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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2049037

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Project Name: BEACH CHANNEL DRIVE
Project Number: 15209

Lab Number: L2049037
Report Date: 11/20/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2049037-01	SB-1A (0-2)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 07:45	11/06/20
L2049037-02	SB-1A (2-4)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 07:49	11/06/20
L2049037-03	SB-1A (4-6)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 08:01	11/06/20
L2049037-04	SB-1A (6-8)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 08:06	11/06/20
L2049037-05	SB-1A (8-10)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 08:10	11/06/20
L2049037-06	SB-4A (0-2)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 08:30	11/06/20
L2049037-07	SB-4A (2-4)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 08:37	11/06/20
L2049037-08	SB-4A (4-6)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 08:49	11/06/20
L2049037-09	SB-4A (6-8)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 08:51	11/06/20
L2049037-10	SB-4A (8-10)	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 09:00	11/06/20
L2049037-11	DRY WELL-1	SOIL	13-12 BEACH CHANNEL DRIVE, QUEENS, NY	11/06/20 09:30	11/06/20

Project Name: BEACH CHANNEL DRIVE
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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: BEACH CHANNEL DRIVE
Project Number: 15209

Lab Number: L2049037
Report Date: 11/20/20

Case Narrative (continued)

Report Submission

November 20, 2020: This final report includes the results of all requested analyses.

November 12, 2020: This preliminary report includes the results of the Volatile Organics and Total Solids analyses performed on L2049037-08.

November 10, 2020: This is a preliminary report.

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

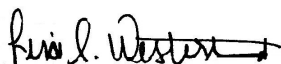
Volatile Organics

L2049037-07: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

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: 11/20/20

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.

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'.

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 at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

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.)

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 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.

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- 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.
- 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 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.32 μ m
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.25 μ m
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1 μ L
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: 1 μ L
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 : L2049037

Received : 06-NOV-2020

Reviewer : Ryan Morrissey

Account Name : Impact Environmental

Project Number : 15209

Project Name : BEACH CHANNEL DRIVE

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.7	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies? Following containers were not received for listed analysis:	YES -05 (NYTCL-8260H)
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
Jan 05 2021, 03:11 pm

Login Number: L2049037

Account: IMPENV Impact Environmental Project: 15209

Received: 06NOV20 Due Date: 20NOV20

Sample #	Client ID	Mat PR Collected
L2049037-01 SB-1A (0-2)		3 1B 06NOV20 07:45
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% ASP-B Package Due Date: 01/08/21		
ASP-B, NYTCL-8260HLW, TS		
L2049037-02 SB-1A (2-4)		3 1B 06NOV20 07:49
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 01/08/21		
NYTCL-8260HLW, TS		
L2049037-03 SB-1A (4-6)		3 1B 06NOV20 08:01
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 01/08/21		
HOLD-8260HLW, HOLD-WETCHEM		
L2049037-04 SB-1A (6-8)		3 1B 06NOV20 08:06
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 01/08/21		
HOLD-8260HLW, HOLD-WETCHEM		
L2049037-05 SB-1A (8-10)		3 1B 06NOV20 08:10
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 01/08/21		
HOLD-8260HLW, HOLD-WETCHEM		
L2049037-06 SB-4A (0-2)		3 1B 06NOV20 08:30
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 01/08/21		
NYTCL-8260HLW, TS		
L2049037-07 SB-4A (2-4)		3 1B 06NOV20 08:37
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 01/08/21		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jan 05 2021, 03:11 pm

Login Number: L2049037

Account: IMPENV Impact Environmental Project: 15209

Received: 06NOV20 Due Date: 20NOV20

Sample #	Client ID	Mat PR Collected
NYTCL-8260H, NYTCL-8260HLW, TS		
L2049037-08 SB-4A (4-6)	3 1B 06NOV20 08:49	
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 01/08/21		
NYTCL-8260HLW, TS		
L2049037-09 SB-4A (6-8)	3 1B 06NOV20 08:51	
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 01/08/21		
HOLD-8260HLW, HOLD-WETCHEM		
L2049037-10 SB-4A (8-10)	3 1B 06NOV20 09:00	
8260: reporting list built STD TAT 3-5 days; 1-day, 50%; 2-day, 25% Package Due Date: 01/08/21		
HOLD-8260HLW, HOLD-WETCHEM		
L2049037-11 DRY WELL-1	3 1B 06NOV20 09:30	
STD TAT 3-5 days; 1-day, 50%; 2-day, 25% 8260: reporting list built Package Due Date: 01/08/21		
NYTCL-8260HLW, TS		

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL

170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 2

ICL ☒ ISW ☐
IEC ☐ SGC ☐
IM ☐



LAB NAME: Alpha

12049037

RECEIVED DATE:

11/06/20

Client Information			Project Information										Analytical Information					Matrix Codes	
Company Name Impact Environmental			Project Name Beach Channel Drive										Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and 10-10-10000)	GP82 Analysis	VOCs 8260 (CP51 Analyte List)	L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved
Address 170 Keyland Court			Street 13-12 Beach Channel Drive																
City Bohemia	State NY	Zip 11716	City Queens State NY Zip																
Project Contact Leif Robertson			Project # 15209																
Phone # 631-269-8800			Fax # 631-269-1599																
E-mail leif@impactenvironmental.com			Sampler's Name Leif Robertson										Sampler's Signature		Sample Type				
													G=Grab C=Composite B=Blank						
													(LAB USE ONLY)						
LAB SAMPLE #	Sample Information		Sample Collection				Sample Containers												
(LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NOPE or OTHER	ICE	HCL	Methanol (USEPA 503)	Sodium Bisulfate (EPA 503)							
1	SB-1A (0-2)	15209	S	G	11/6	745	4		X		X								
2	SB-1A (2-4)	15209	S	G	11/6	745	4		X		X								
3	SB-1A (4-6)*	15209	S	G	11/6	801	4		X		X								
4	SB-1A (6-8)*	15209	S	G	11/6	806	4		X		X								
5	SB-1A (8-10)*	15209	S	G	11/6	810	4		X		X								
6	SB-4A (0-2)	15209	S	G	11/6	830	4		X		X								
7	SB-4A (2-4)	15209	S	G	11/6	837	4		X		X								
8	SB-4A (4-6)*	15209	S	G	11/6	845	4		X		X								
9	SB-4A (6-8)*	15209	S	G	11/6	851	4		X		X								
10	SB-4A (8-10)*	15209	S	G	11/6	900	4		X		X								
Turnaround Time (Business Days)			Data Deliverable Information										REFERENCES						
Standard Service			(LAB USE ONLY)										*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSR & NY Part 375 parameters and detection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP						
☐ Standard - 5 day ☐ Standard - 4 day ☒ Standard - 3 day			☐ Results Only (Level-1) ☐ CLP Category A (Level-2) ☐ Results plus Misc. QC (Level-2) ☐ CLP Category B (Level-4) ☐ Results plus ALL QC (Level-3) ☐ ASP QC Package (Level-4) ☐ PA QC Package ☐ Other _____ ☐ NJ QC Package (Level 3N3) ☐ EDD Format _____ (EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)										NOTES/COMMENTS:						
Rush Service													Hold Samples SB-1A (4-6) to SB-1A (8-10) + SB-4A (4-6) to SB-4A (8-10)*						
☐ 48 Hour RUSH ☐ 24 Hour RUSH																			
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.																			
Relinquished by Sampler:		Date / Time:		Received By:		Date / Time:		Received By:		Date / Time:		Received By:		Date / Time:		Received By:		Date / Time:	
1		11/6/20 1550		1		11/6/20 1550		2		2		2		2		2		2	
3		11/6/20 2100		3		11/6/20 2100		4		4		4		4		4		4	
5		11/7/20 0255		5		11/7/20 0255													
COOLER INFORMATION																			
Cooler Temp: _____ pH: _____										☐ On Ice ☐ Sample Receipt Discrepancy (attach information)									

Form SS-2/Nov. 2013

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL

170 Keyland Court, Bohemia, New York 11716

(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 2 of 2

ICL ☒ ISW ☐
IEC ☐ SGC ☐
IM ☐



LAB NAME: Alpha

L2049087

RECEIVED DATE:

11/06/20

Client Information				Project Information				Analytical Information										Matrix Codes						
Company Name Impact Environmental				Project Name Beach Channel Drive				Impact Analytical Package A* Impact Analytical Package B** Impact Analytical Package C*** VOC 8260 (Analyte List for NY Part 375 and 411.10000C) GP82 Analysis VOCs 8260 (CP51 Analyte List)										L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved						
Address 170 Keyland Court				Street 13-12 Beach Channel Drive																				
City Bohemia	State NY	Zip 11716	City Queens				State NY													Zip				
Project Contact Lef Robertson				Project # 15209																				
Phone # 631-269-8800				Fax # 631-269-1599																				
E-mail Robertson@impactenvironmental.com				Sampler's Name Lef Robertson														Sample Type						
				Sampler's Signature														G=Grab						
																		C=Composite						
																		B=Blank						
																		(LAB USE ONLY)						
LAB SAMPLE #	Sample Information		Sample Collection		Sample Containers																			
(LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NUMBER OF OTHER*	ICE	HCL	Metals (USEPA 5035)	Sodium Bisulfate (EPA 5035)												
1	Drywell-1	15209	S	G	11/6	9:50	4		X		X													
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
Turnaround Time (Business Days)				Data Deliverable Information										REFERENCES										
Standard Service ☐ Standard - 5 day ☐ Standard - 4 day ☒ Standard - 3 day				(LAB USE ONLY) TAT Approved By / Date:				☐ Results Only (Level-1) ☐ Results plus Misc. QC (Level-2) ☐ Results plus ALL QC (Level-3) ☐ PA QC Package ☐ NJ QC Package (Level 3NJ)				☐ CLP Category A (Level-2) ☐ CLP Category B (Level-4) ☐ ASP QC Package (Level-4) ☐ Other ☐ EDD Format				*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and detection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP								
Rush Service ☐ 48 Hour RUSH ☐ 24 Hour RUSH												NOTES/COMMENTS:												
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.																								
Relinquished by Sampler:		Date / Time:		Received By:		Date / Time:		Relinquished By:		Date / Time:		Received By:												
1		11/6/20 1550		1		11/6/20 1550		2		11/6/20 1550		2												
3		11/6/20 2100		3		11/6/20 2100		4		11/6/20 2200		4												
5		11/7/20 2000		5		11/7/20 2000																		
COOLER INFORMATION Cooler Temp: _____ pH: _____ ☐ On Ice ☐ Sample Receipt Discrepancy (attach information)																								

Form SS-2/Nov. 2013

Organics

GC/MS 8260

Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Impact Environmental
Project Name: BEACH CHANNEL DRIVE

Lab Number: L2049037
Project Number: 15209
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
SB-1A (0-2) (L2049037-01)	104	102	105	103	0
SB-1A (2-4) (L2049037-02)	105	99	102	104	0
SB-4A (0-2) (L2049037-06)	107	101	102	107	0
SB-4A (2-4) (L2049037-07)	108	99	110	108	0
SB-4A (2-4) (L2049037-07D)	97	96	101	97	0
SB-4A (2-4) (L2049037-07)	109	100	106	103	0
SB-4A (4-6) (L2049037-08)	97	103	103	92	0
DRY WELL-1 (L2049037-11)	98	106	121	87	0
WG1431978-3LCS	101	100	93	102	0
WG1431978-4LCSD	101	99	96	102	0
WG1431978-5BLANK	102	100	103	98	0
WG1432466-3LCS	87	102	99	89	0
WG1432466-4LCSD	79	101	102	82	0
WG1432466-5BLANK	92	100	99	83	0
WG1432485-3LCS	106	98	96	103	0
WG1432485-4LCSD	101	98	99	100	0
WG1432485-5BLANK	102	99	104	96	0
WG1432524-3LCS	108	99	94	102	0
WG1432524-4LCSD	102	100	96	100	0
WG1432524-5BLANK	105	99	105	100	0
WG1433193-3LCS	99	103	100	93	0
WG1433193-4LCSD	99	102	101	93	0
WG1433193-5BLANK	98	103	103	93	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-8260H



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1431978-3 Analysis Date : 11/08/20 13:20 File ID : V11201108A01
 LCSD Sample ID : WG1431978-4 Analysis Date : 11/08/20 13:45 File ID : V11201108A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
Methylene chloride	40	42	105	40	41	102	3	70-130	30
1,1-Dichloroethane	40	46	115	40	43	108	6	70-130	30
Chloroform	40	45	113	40	43	107	5	70-130	30
Carbon tetrachloride	40	46	115	40	43	107	7	70-130	30
Tetrachloroethene	40	49	121	40	45	113	7	70-130	30
Chlorobenzene	40	44	109	40	42	104	5	70-130	30
1,2-Dichloroethane	40	42	106	40	41	103	3	70-130	30
1,1,1-Trichloroethane	40	50	124	40	46	114	8	70-130	30
Benzene	40	46	116	40	44	110	5	70-130	30
Toluene	40	44	110	40	41	103	7	70-130	30
Ethylbenzene	40	46	114	40	43	106	7	70-130	30
Vinyl chloride	40	45	112	40	41	103	8	67-130	30
1,1-Dichloroethene	40	45	112	40	42	104	7	65-135	30
trans-1,2-Dichloroethene	40	46	115	40	43	108	6	70-130	30
Trichloroethene	40	49	123	40	46	115	7	70-130	30
1,2-Dichlorobenzene	40	41	101	40	40	99	2	70-130	30
1,3-Dichlorobenzene	40	42	104	40	41	102	2	70-130	30
1,4-Dichlorobenzene	40	40	101	40	39	99	2	70-130	30
Methyl tert butyl ether	40	41	102	40	41	102	0	66-130	30
p/m-Xylene	80	96	120	80	90	112	7	70-130	30
o-Xylene	80	94	118	80	89	111	6	70-130	30
cis-1,2-Dichloroethene	40	45	112	40	42	106	6	70-130	30
Acetone	40	42	104	40	40	100	4	54-140	30
2-Butanone	40	42	106	40	42	104	2	70-130	30
n-Butylbenzene	40	45	113	40	43	108	5	70-130	30
sec-Butylbenzene	40	44	111	40	42	106	5	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1431978-3 Analysis Date : 11/08/20 13:20 File ID : V11201108A01
 LCSD Sample ID : WG1431978-4 Analysis Date : 11/08/20 13:45 File ID : V11201108A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
tert-Butylbenzene	40	44	109	40	42	104	5	70-130	30
n-Propylbenzene	40	43	108	40	41	103	5	70-130	30
1,3,5-Trimethylbenzene	40	44	109	40	42	105	4	70-130	30
1,2,4-Trimethylbenzene	40	44	111	40	43	107	4	70-130	30
1,4-Dioxane	2000	1900	95	2000	1900	95	0	65-136	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1432466-3 Analysis Date : 11/09/20 18:31 File ID : V04201109N01
 LCSD Sample ID : WG1432466-4 Analysis Date : 11/09/20 18:57 File ID : V04201109N02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
Methylene chloride	40	37	93	40	34	86	8	70-130	30
1,1-Dichloroethane	40	41	102	40	38	94	8	70-130	30
Chloroform	40	34	84	40	31	76	10	70-130	30
Carbon tetrachloride	40	31	78	40	31	77	1	70-130	30
Tetrachloroethene	40	40	101	40	39	97	4	70-130	30
Chlorobenzene	40	35	88	40	34	85	3	70-130	30
1,2-Dichloroethane	40	35	87	40	35	88	1	70-130	30
1,1,1-Trichloroethane	40	35	88	40	32	81	8	70-130	30
Benzene	40	36	91	40	36	89	2	70-130	30
Toluene	40	40	99	40	38	94	5	70-130	30
Ethylbenzene	40	39	98	40	38	94	4	70-130	30
Vinyl chloride	40	40	99	40	38	94	5	67-130	30
1,1-Dichloroethene	40	40	100	40	38	96	4	65-135	30
trans-1,2-Dichloroethene	40	39	96	40	36	90	6	70-130	30
Trichloroethene	40	36	90	40	35	89	1	70-130	30
1,2-Dichlorobenzene	40	38	94	40	38	94	0	70-130	30
1,3-Dichlorobenzene	40	38	94	40	38	95	1	70-130	30
1,4-Dichlorobenzene	40	37	92	40	37	93	1	70-130	30
Methyl tert butyl ether	40	37	92	40	33	82	11	66-130	30
p/m-Xylene	80	77	96	80	72	90	6	70-130	30
o-Xylene	80	72	90	80	72	90	0	70-130	30
cis-1,2-Dichloroethene	40	37	93	40	37	92	1	70-130	30
Acetone	40	36	90	40	31	77	16	54-140	30
2-Butanone	40	45	111	40	39	99	11	70-130	30
n-Butylbenzene	40	39	98	40	40	100	2	70-130	30
sec-Butylbenzene	40	41	102	40	41	103	1	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1432466-3 Analysis Date : 11/09/20 18:31 File ID : V04201109N01
 LCSD Sample ID : WG1432466-4 Analysis Date : 11/09/20 18:57 File ID : V04201109N02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
tert-Butylbenzene	40	40	100	40	40	101	1	70-130	30
n-Propylbenzene	40	40	100	40	41	103	3	70-130	30
1,3,5-Trimethylbenzene	40	39	97	40	40	100	3	70-130	30
1,2,4-Trimethylbenzene	40	39	98	40	40	99	1	70-130	30
1,4-Dioxane	2000	2700	134	2000	2700	133	1	65-136	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1432485-3 Analysis Date : 11/09/20 17:13 File ID : V11201109N01
 LCSD Sample ID : WG1432485-4 Analysis Date : 11/09/20 17:38 File ID : V11201109N02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
Methylene chloride	2000	2200	109	2000	2200	108	1	70-130	30
1,1-Dichloroethane	2000	2300	115	2000	2300	114	1	70-130	30
Chloroform	2000	2300	113	2000	2200	112	1	70-130	30
Carbon tetrachloride	2000	2300	113	2000	2200	109	4	70-130	30
Tetrachloroethene	2000	2300	114	2000	2300	112	2	70-130	30
Chlorobenzene	2000	2100	106	2000	2100	106	0	70-130	30
1,2-Dichloroethane	2000	2200	108	2000	2200	108	0	70-130	30
1,1,1-Trichloroethane	2000	2400	120	2000	2400	119	1	70-130	30
Benzene	2000	2300	117	2000	2300	115	2	70-130	30
Toluene	2000	2100	105	2000	2100	105	0	70-130	30
Ethylbenzene	2000	2200	110	2000	2200	109	1	70-130	30
Vinyl chloride	2000	2300	113	2000	2200	109	4	67-130	30
1,1-Dichloroethene	2000	2200	111	2000	2200	109	2	65-135	30
trans-1,2-Dichloroethene	2000	2300	114	2000	2300	112	2	70-130	30
Trichloroethene	2000	2400	122	2000	2400	120	2	70-130	30
1,2-Dichlorobenzene	2000	2000	100	2000	2000	100	0	70-130	30
1,3-Dichlorobenzene	2000	2000	102	2000	2100	103	1	70-130	30
1,4-Dichlorobenzene	2000	2000	99	2000	2000	100	1	70-130	30
Methyl tert butyl ether	2000	2100	106	2000	2100	106	0	66-130	30
p/m-Xylene	4000	4600	115	4000	4600	114	1	70-130	30
o-Xylene	4000	4600	114	4000	4500	113	1	70-130	30
cis-1,2-Dichloroethene	2000	2200	111	2000	2200	110	1	70-130	30
Acetone	2000	2300	116	2000	2300	114	2	54-140	30
2-Butanone	2000	2300	117	2000	2400	118	1	70-130	30
n-Butylbenzene	2000	2200	111	2000	2200	110	1	70-130	30
sec-Butylbenzene	2000	2200	108	2000	2200	109	1	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1432485-3 Analysis Date : 11/09/20 17:13 File ID : V11201109N01
 LCSD Sample ID : WG1432485-4 Analysis Date : 11/09/20 17:38 File ID : V11201109N02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
tert-Butylbenzene	2000	2100	105	2000	2200	108	3	70-130	30
n-Propylbenzene	2000	2100	105	2000	2100	107	2	70-130	30
1,3,5-Trimethylbenzene	2000	2100	107	2000	2200	108	1	70-130	30
1,2,4-Trimethylbenzene	2000	2200	108	2000	2200	110	2	70-130	30
1,4-Dioxane	100000	100000	101	100000	120000	117	15	65-136	30

Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1432524-3 Analysis Date : 11/10/20 05:56 File ID : V11201110A01
 LCSD Sample ID : WG1432524-4 Analysis Date : 11/10/20 06:21 File ID : V11201110A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
Methylene chloride	2000	2100	103	2000	2100	104	1	70-130	30
1,1-Dichloroethane	2000	2100	106	2000	2200	112	6	70-130	30
Chloroform	2000	2100	105	2000	2200	110	5	70-130	30
Carbon tetrachloride	2000	2100	102	2000	2200	108	6	70-130	30
Tetrachloroethene	2000	2100	104	2000	2200	112	7	70-130	30
Chlorobenzene	2000	2000	98	2000	2100	104	6	70-130	30
1,2-Dichloroethane	2000	2100	106	2000	2200	107	1	70-130	30
1,1,1-Trichloroethane	2000	2200	109	2000	2300	116	6	70-130	30
Benzene	2000	2100	106	2000	2300	113	6	70-130	30
Toluene	2000	1900	96	2000	2100	104	8	70-130	30
Ethylbenzene	2000	2000	99	2000	2100	106	7	70-130	30
Vinyl chloride	2000	2000	100	2000	2100	104	4	67-130	30
1,1-Dichloroethene	2000	2000	99	2000	2100	107	8	65-135	30
trans-1,2-Dichloroethene	2000	2000	101	2000	2200	109	8	70-130	30
Trichloroethene	2000	2200	112	2000	2300	116	4	70-130	30
1,2-Dichlorobenzene	2000	1900	93	2000	2000	100	7	70-130	30
1,3-Dichlorobenzene	2000	1900	95	2000	2000	102	7	70-130	30
1,4-Dichlorobenzene	2000	1900	92	2000	2000	98	6	70-130	30
Methyl tert butyl ether	2000	2100	103	2000	2100	103	0	66-130	30
p/m-Xylene	4000	4100	104	4000	4500	111	7	70-130	30
o-Xylene	4000	4100	103	4000	4400	110	7	70-130	30
cis-1,2-Dichloroethene	2000	2000	101	2000	2200	108	7	70-130	30
Acetone	2000	2200	110	2000	2000	101	9	54-140	30
2-Butanone	2000	2300	113	2000	2100	105	7	70-130	30
n-Butylbenzene	2000	2000	98	2000	2200	110	12	70-130	30
sec-Butylbenzene	2000	1900	96	2000	2100	105	9	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1432524-3 Analysis Date : 11/10/20 05:56 File ID : V11201110A01
 LCSD Sample ID : WG1432524-4 Analysis Date : 11/10/20 06:21 File ID : V11201110A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
tert-Butylbenzene	2000	1900	94	2000	2100	102	8	70-130	30
n-Propylbenzene	2000	1900	94	2000	2100	103	9	70-130	30
1,3,5-Trimethylbenzene	2000	1900	96	2000	2100	104	8	70-130	30
1,2,4-Trimethylbenzene	2000	2000	98	2000	2100	106	8	70-130	30
1,4-Dioxane	100000	110000	113	100000	100000	101	11	65-136	30

Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1433193-3 Analysis Date : 11/11/20 10:51 File ID : V26201111A01
 LCSD Sample ID : WG1433193-4 Analysis Date : 11/11/20 11:30 File ID : V26201111A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
Methylene chloride	40	35	86	40	34	84	2	70-130	30
1,1-Dichloroethane	40	35	87	40	34	84	4	70-130	30
Chloroform	40	34	84	40	33	82	2	70-130	30
Carbon tetrachloride	40	35	86	40	33	81	6	70-130	30
Tetrachloroethene	40	36	89	40	34	84	6	70-130	30
Chlorobenzene	40	36	89	40	35	88	1	70-130	30
1,2-Dichloroethane	40	34	84	40	33	84	0	70-130	30
1,1,1-Trichloroethane	40	35	86	40	33	82	5	70-130	30
Benzene	40	35	87	40	34	84	4	70-130	30
Toluene	40	37	93	40	35	88	6	70-130	30
Ethylbenzene	40	37	93	40	36	89	4	70-130	30
Vinyl chloride	40	34	85	40	31	77	10	67-130	30
1,1-Dichloroethene	40	35	88	40	33	83	6	65-135	30
trans-1,2-Dichloroethene	40	35	86	40	33	82	5	70-130	30
Trichloroethene	40	34	86	40	33	82	5	70-130	30
1,2-Dichlorobenzene	40	37	93	40	36	91	2	70-130	30
1,3-Dichlorobenzene	40	38	94	40	37	91	3	70-130	30
1,4-Dichlorobenzene	40	38	94	40	37	92	2	70-130	30
Methyl tert butyl ether	40	35	87	40	34	86	1	66-130	30
p/m-Xylene	80	74	93	80	71	89	4	70-130	30
o-Xylene	80	74	92	80	71	89	3	70-130	30
cis-1,2-Dichloroethene	40	34	85	40	33	82	4	70-130	30
Acetone	40	41	102	40	38	95	7	54-140	30
2-Butanone	40	39	96	40	39	98	2	70-130	30
n-Butylbenzene	40	39	97	40	37	92	5	70-130	30
sec-Butylbenzene	40	39	97	40	37	92	5	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Impact Environmental Lab Number : L2049037
 Project Name : BEACH CHANNEL DRIVE Project Number : 15209
 Matrix : SOIL
 LCS Sample ID : WG1433193-3 Analysis Date : 11/11/20 10:51 File ID : V26201111A01
 LCSD Sample ID : WG1433193-4 Analysis Date : 11/11/20 11:30 File ID : V26201111A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R			
tert-Butylbenzene	40	38	94	40	36	90	4	70-130	30
n-Propylbenzene	40	39	97	40	37	93	4	70-130	30
1,3,5-Trimethylbenzene	40	38	94	40	36	90	4	70-130	30
1,2,4-Trimethylbenzene	40	38	94	40	36	91	3	70-130	30
1,4-Dioxane	2000	1800	92	2000	1700	86	7	65-136	30

Method Blank Summary
Form 4
Volatiles

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab Sample ID	: WG1431978-5	Lab File ID	: V11201108A04
Instrument ID	: VOA111		
Matrix	: SOIL	Analysis Date	: 11/08/20 14:34

Client Sample No.	Lab Sample ID	Analysis Date
WG1431978-3LCS	WG1431978-3	11/08/20 13:20
WG1431978-4LCSD	WG1431978-4	11/08/20 13:45
SB-1A (0-2)	L2049037-01	11/08/20 15:55
SB-1A (2-4)	L2049037-02	11/08/20 16:21
SB-4A (0-2)	L2049037-06	11/08/20 17:11
SB-4A (2-4)	L2049037-07	11/08/20 17:37

**Method Blank Summary
Form 4
Volatiles**

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab Sample ID	: WG1432485-5	Lab File ID	: V11201109N04
Instrument ID	: VOA111		
Matrix	: SOIL	Analysis Date	: 11/09/20 18:27

Client Sample No.	Lab Sample ID	Analysis Date
WG1432485-3LCS	WG1432485-3	11/09/20 17:13
WG1432485-4LCSD	WG1432485-4	11/09/20 17:38
SB-4A (2-4)	L2049037-07	11/10/20 01:05

**Method Blank Summary
Form 4
Volatiles**

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab Sample ID	: WG1432466-5	Lab File ID	: V04201109N04
Instrument ID	: VOA104		
Matrix	: SOIL	Analysis Date	: 11/09/20 19:49

Client Sample No.	Lab Sample ID	Analysis Date
WG1432466-3LCS	WG1432466-3	11/09/20 18:31
WG1432466-4LCSD	WG1432466-4	11/09/20 18:57
DRY WELL-1	L2049037-11	11/09/20 21:58

**Method Blank Summary
Form 4
Volatiles**

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab Sample ID	: WG1432524-5	Lab File ID	: V11201110A04
Instrument ID	: VOA111		
Matrix	: SOIL	Analysis Date	: 11/10/20 07:10

Client Sample No.	Lab Sample ID	Analysis Date
WG1432524-3LCS	WG1432524-3	11/10/20 05:56
WG1432524-4LCSD	WG1432524-4	11/10/20 06:21
SB-4A (2-4)	L2049037-07D	11/10/20 10:04

Method Blank Summary
Form 4
Volatiles

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab Sample ID	: WG1433193-5	Lab File ID	: V26201111A04
Instrument ID	: VOA126		
Matrix	: SOIL	Analysis Date	: 11/11/20 12:49

Client Sample No.	Lab Sample ID	Analysis Date
WG1433193-3LCS	WG1433193-3	11/11/20 10:51
WG1433193-4LCSD	WG1433193-4	11/11/20 11:30
SB-4A (4-6)	L2049037-08	11/11/20 14:07

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Instrument ID : VOA104	Analysis Date : 06/02/20 03:35
Tune Standard : WG1377027-1	Tune File ID : V04200602BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.9 (1)1
174	Greater than 50.0 of mass 95	89.5
175	5.0 - 9.0% of mass 174	6.7 (7.5)1
176	95.0 - 101% of mass 174	85.2 (95.3)1
177	5.0 - 9.0% of mass 176	5.5 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.5PPB	R1318871-1	V04200602A03	06/02/20 04:50
STD1.0PPB	R1318871-3	V04200602A04	06/02/20 05:16
STD2.0PPB	R1318871-2	V04200602A05	06/02/20 05:41
STD4.0PPB	R1318871-5	V04200602A06	06/02/20 06:07
STD20PPB	R1318871-4	V04200602A07	06/02/20 06:33
STD40PPB	R1318871-7	V04200602A08	06/02/20 06:59
STD100PPB	R1318871-6	V04200602A09	06/02/20 07:24
STD200PPB	R1318871-10	V04200602A10	06/02/20 07:50
STD300PPB	R1318871-9	V04200602A11	06/02/20 08:16
ICV Quant Report	R1318871-8	V04200602A15	06/02/20 09:59

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Instrument ID : VOA104	Analysis Date : 11/09/20 18:08
Tune Standard : WG1432466-1	Tune File ID : V04201109BF4_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	44.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (.4)1
174	Greater than 50.0 of mass 95	86.5
175	5.0 - 9.0% of mass 174	6.3 (7.2)1
176	95.0 - 101% of mass 174	85.1 (98.4)1
177	5.0 - 9.0% of mass 176	5.3 (6.3)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1432466-2CCAL	WG1432466-2	V04201109N01	11/09/20 18:31
WG1432466-3LCS	WG1432466-3	V04201109N01	11/09/20 18:31
WG1432466-4LCSD	WG1432466-4	V04201109N02	11/09/20 18:57
WG1432466-5BLANK	WG1432466-5	V04201109N04	11/09/20 19:49
DRY WELL-1	L2049037-11	V04201109N09	11/09/20 21:58

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Instrument ID : VOA126	Analysis Date : 10/12/20 20:48
Tune Standard : WG1421526-1	Tune File ID : V26201012NBF4_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (.9)1
174	Greater than 50.0 of mass 95	83.4
175	5.0 - 9.0% of mass 174	6.1 (7.3)1
176	95.0 - 101% of mass 174	82.2 (98.6)1
177	5.0 - 9.0% of mass 176	5.5 (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
STD0.5PPB	R1360575-1	V26201012N03	10/12/20 22:41
STD1.0PPB	R1360575-2	V26201012N04	10/12/20 23:21
STD2.0PPB	R1360575-3	V26201012N05	10/13/20 00:00
STD4.0PPB	R1360575-4	V26201012N06	10/13/20 00:40
STD20PPB	R1360575-6	V26201012N07	10/13/20 01:20
STD40PPB	R1360575-5	V26201012N08	10/13/20 01:59
STD100PPB	R1360575-7	V26201012N09	10/13/20 02:39
STD200PPB	R1360575-9	V26201012N10	10/13/20 03:19
STD300PPB	R1360575-8	V26201012N11	10/13/20 03:58
ICV Quant Report	R1360575-10	V26201012N16	10/13/20 07:16

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Instrument ID	: VOA126	Analysis Date	: 11/11/20 10:24
Tune Standard	: WG1433193-1	Tune File ID	: V26201111BF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	50.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (.9)1
174	Greater than 50.0 of mass 95	82.3
175	5.0 - 9.0% of mass 174	6.1 (7.5)1
176	95.0 - 101% of mass 174	80.1 (97.2)1
177	5.0 - 9.0% of mass 176	5.2 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1433193-2CCAL	WG1433193-2	V26201111A01	11/11/20 10:51
WG1433193-3LCS	WG1433193-3	V26201111A01	11/11/20 10:51
WG1433193-4LCSD	WG1433193-4	V26201111A02	11/11/20 11:30
WG1433193-5BLANK	WG1433193-5	V26201111A04	11/11/20 12:49
SB-4A (4-6)	L2049037-08	V26201111A06	11/11/20 14:07

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Instrument ID : VOA111	Analysis Date : 10/28/20 17:13
Tune Standard : WG1428080-1	Tune File ID : V11201028BF3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	51
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.9 (1.1)1
174	Greater than 50.0 of mass 95	80.9
175	5.0 - 9.0% of mass 174	6.3 (7.8)1
176	95.0 - 101% of mass 174	77.1 (95.3)1
177	5.0 - 9.0% of mass 176	5.5 (7.2)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
STD0.5PPB	R1366715-1	V11201028P03	10/28/20 18:27
STD1.0PPB	R1366715-2	V11201028P04	10/28/20 18:52
STD2.0PPB	R1366715-3	V11201028P05	10/28/20 19:17
STD4.0PPB	R1366715-4	V11201028P06	10/28/20 19:41
STD20PPB	R1366715-5	V11201028P07	10/28/20 20:07
STD40PPB	R1366715-6	V11201028P08	10/28/20 20:32
STD100PPB	R1366715-7	V11201028P09	10/28/20 20:58
STD200PPB	R1366715-8	V11201028P10	10/28/20 21:22
STD300PPB	R1366715-10	V11201028P11	10/28/20 21:47
ICV Quant Report	R1366715-9	V11201028P16	10/28/20 23:51

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Instrument ID : VOA111	Analysis Date : 11/08/20 12:56
Tune Standard : WG1431978-1	Tune File ID : V11201108BF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	48.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	79
175	5.0 - 9.0% of mass 174	6.8 (8.6)1
176	95.0 - 101% of mass 174	75.4 (95.5)1
177	5.0 - 9.0% of mass 176	4.5 (5.9)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
WG1431978-2CCAL	WG1431978-2	V11201108A01	11/08/20 13:20
WG1431978-3LCS	WG1431978-3	V11201108A01	11/08/20 13:20
WG1431978-4LCSD	WG1431978-4	V11201108A02	11/08/20 13:45
WG1431978-5BLANK	WG1431978-5	V11201108A04	11/08/20 14:34
SB-1A (0-2)	L2049037-01	V11201108A07	11/08/20 15:55
SB-1A (2-4)	L2049037-02	V11201108A08	11/08/20 16:21
SB-4A (0-2)	L2049037-06	V11201108A10	11/08/20 17:11
SB-4A (2-4)	L2049037-07	V11201108A11	11/08/20 17:37

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Instrument ID	: VOA111	Analysis Date	: 11/09/20 16:48
Tune Standard	: WG1432485-1	Tune File ID	: V11201109BF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.7 (.8)1
174	Greater than 50.0 of mass 95	79.1
175	5.0 - 9.0% of mass 174	7 (8.9)1
176	95.0 - 101% of mass 174	79.9 (100.)1
177	5.0 - 9.0% of mass 176	5.6 (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
WG1432485-2CCAL	WG1432485-2	V11201109N01	11/09/20 17:13
WG1432485-3LCS	WG1432485-3	V11201109N01	11/09/20 17:13
WG1432485-4LCSD	WG1432485-4	V11201109N02	11/09/20 17:38
WG1432485-5BLANK	WG1432485-5	V11201109N04	11/09/20 18:27
SB-4A (2-4)	L2049037-07	V11201109N20	11/10/20 01:05

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Instrument ID : VOA111	Analysis Date : 11/10/20 05:35
Tune Standard : WG1432524-1	Tune File ID : V11201110BF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.5 (1.8)1
174	Greater than 50.0 of mass 95	80.8
175	5.0 - 9.0% of mass 174	6.4 (7.9)1
176	95.0 - 101% of mass 174	78.3 (96.8)1
177	5.0 - 9.0% of mass 176	5.4 (6.9)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
WG1432524-2CCAL	WG1432524-2	V11201110A01	11/10/20 05:56
WG1432524-3LCS	WG1432524-3	V11201110A01	11/10/20 05:56
WG1432524-4LCSD	WG1432524-4	V11201110A02	11/10/20 06:21
WG1432524-5BLANK	WG1432524-5	V11201110A04	11/10/20 07:10
SB-4A (2-4)	L2049037-07D	V11201110A11	11/10/20 10:04

Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Sample No : WG1431978-2

Lab Number : L2049037
 Project Number : 15209
 Analysis Date : 11/08/20 13:20:00
 Lab File ID : V11201108A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1431978-2	95477	5.44	72006	8.90	38851	11.73
Upper Limit	190954	5.94	144012	9.40	77702	12.23
Lower Limit	47739	4.94	36003	8.40	19426	11.23
Sample ID						
WG1431978-3 LCS	95477	5.44	72006	8.90	38851	11.73
WG1431978-4 LCSD	97626	5.44	74508	8.90	39179	11.73
WG1431978-5 BLANK	90337	5.44	67521	8.90	30682	11.74
SB-1A (0-2)	87154	5.44	64470	8.90	27282	11.74
SB-1A (2-4)	87816	5.45	65285	8.90	29293	11.74
SB-4A (0-2)	86334	5.45	64795	8.90	28141	11.73
SB-4A (2-4)	84185	5.45	64902	8.90	26080	11.74

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 : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Sample No : WG1432485-2

Lab Number : L2049037
 Project Number : 15209
 Analysis Date : 11/09/20 17:13:00
 Lab File ID : V11201109N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1432485-2	96332	5.44	75779	8.90	40395	11.73
Upper Limit	192664	5.94	151558	9.40	80790	12.23
Lower Limit	48166	4.94	37890	8.40	20198	11.23
Sample ID						
WG1432485-3 LCS	96332	5.44	75779	8.90	40395	11.73
WG1432485-4 LCSD	94145	5.44	73651	8.90	38087	11.73
WG1432485-5 BLANK	89845	5.44	67722	8.90	31059	11.74
SB-4A (2-4)	80397	5.44	61000	8.90	26666	11.74

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 : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA104
 Sample No : WG1432466-2

Lab Number : L2049037
 Project Number : 15209
 Analysis Date : 11/09/20 18:31:00
 Lab File ID : V04201109N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1432466-2	179103	5.62	129054	9.11	65943	11.89
Upper Limit	358206	6.12	258108	9.61	131886	12.39
Lower Limit	89552	5.12	64527	8.61	32972	11.39
Sample ID						
WG1432466-3 LCS	179103	5.62	129054	9.11	65943	11.89
WG1432466-4 LCSD	182126	5.62	128766	9.10	64522	11.89
WG1432466-5 BLANK	176559	5.62	128374	9.10	66828	11.89
DRY WELL-1	169775	5.62	107438	9.11	41160	11.89

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 : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Sample No : WG1432524-2

Lab Number : L2049037
 Project Number : 15209
 Analysis Date : 11/10/20 05:56:00
 Lab File ID : V11201110A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1432524-2	93534	5.44	73363	8.90	39230	11.73
Upper Limit	187068	5.94	146726	9.40	78460	12.23
Lower Limit	46767	4.94	36682	8.40	19615	11.23
Sample ID						
WG1432524-3 LCS	93534	5.44	73363	8.90	39230	11.73
WG1432524-4 LCSD	95311	5.44	73186	8.90	38261	11.73
WG1432524-5 BLANK	85498	5.44	64708	8.90	29644	11.74
SB-4A (2-4)	103343	5.44	80942	8.90	38756	11.74

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 : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA126
 Sample No : WG1433193-2

Lab Number : L2049037
 Project Number : 15209
 Analysis Date : 11/11/20 10:51:00
 Lab File ID : V26201111A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1433193-2	649332	11.53	479872	18.23	248168	23.89
Upper Limit	1298664	12.03	959744	18.73	496336	24.39
Lower Limit	324666	11.03	239936	17.73	124084	23.39
Sample ID						
WG1433193-3 LCS	649332	11.53	479872	18.23	248168	23.89
WG1433193-4 LCSD	658966	11.54	488545	18.23	254649	23.89
WG1433193-5 BLANK	637054	11.54	474086	18.24	236203	23.89
SB-4A (4-6)	645691	11.54	480451	18.23	237786	23.89

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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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			

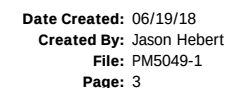
Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



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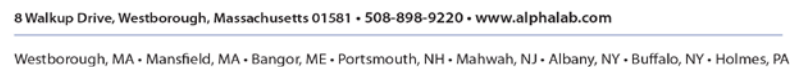
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Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

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: PM5047-1
Page: 1

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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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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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days

Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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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			

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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		
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			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days

Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

[illegible]

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 EPA 5035

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Lab ID : L2049037-01	Date Collected : 11/06/20 07:45
Client ID : SB-1A (0-2)	Date Received : 11/06/20
Sample Location : 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed : 11/08/20 15:55
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : JC
Lab File ID : V11201108A07	Instrument ID : VOA111
Sample Amount : 6.0 g	GC Column : RTX-VMS
Level : LOW	%Solids : 90
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.6	2.1	U
75-34-3	1,1-Dichloroethane	ND	0.92	0.13	U
67-66-3	Chloroform	ND	1.4	0.13	U
56-23-5	Carbon tetrachloride	ND	0.92	0.21	U
127-18-4	Tetrachloroethene	49	0.46	0.18	
108-90-7	Chlorobenzene	ND	0.46	0.12	U
107-06-2	1,2-Dichloroethane	ND	0.92	0.24	U
71-55-6	1,1,1-Trichloroethane	ND	0.46	0.15	U
71-43-2	Benzene	ND	0.46	0.15	U
108-88-3	Toluene	ND	0.92	0.50	U
100-41-4	Ethylbenzene	ND	0.92	0.13	U
75-01-4	Vinyl chloride	ND	0.92	0.31	U
75-35-4	1,1-Dichloroethene	ND	0.92	0.22	U
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.13	U
79-01-6	Trichloroethene	0.63	0.46	0.13	
95-50-1	1,2-Dichlorobenzene	ND	1.8	0.13	U
541-73-1	1,3-Dichlorobenzene	ND	1.8	0.14	U
106-46-7	1,4-Dichlorobenzene	ND	1.8	0.16	U
1634-04-4	Methyl tert butyl ether	ND	1.8	0.18	U
179601-23-1	p/m-Xylene	ND	1.8	0.52	U
95-47-6	o-Xylene	ND	0.92	0.27	U
156-59-2	cis-1,2-Dichloroethene	ND	0.92	0.16	U
67-64-1	Acetone	15	9.2	4.4	
78-93-3	2-Butanone	ND	9.2	2.0	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-01	Date Collected	: 11/06/20 07:45
Client ID	: SB-1A (0-2)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/08/20 15:55
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: JC
Lab File ID	: V11201108A07	Instrument ID	: VOA111
Sample Amount	: 6.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 90
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	0.92	0.15	U
135-98-8	sec-Butylbenzene	ND	0.92	0.13	U
98-06-6	tert-Butylbenzene	ND	1.8	0.11	U
103-65-1	n-Propylbenzene	ND	0.92	0.16	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.8	0.18	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.8	0.31	U
123-91-1	1,4-Dioxane	ND	74	32.	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Lab ID : L2049037-02	Date Collected : 11/06/20 07:49
Client ID : SB-1A (2-4)	Date Received : 11/06/20
Sample Location : 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed : 11/08/20 16:21
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : JC
Lab File ID : V11201108A08	Instrument ID : VOA111
Sample Amount : 4.7 g	GC Column : RTX-VMS
Level : LOW	%Solids : 98
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.4	2.5	U
75-34-3	1,1-Dichloroethane	ND	1.1	0.16	U
67-66-3	Chloroform	ND	1.6	0.15	U
56-23-5	Carbon tetrachloride	ND	1.1	0.25	U
127-18-4	Tetrachloroethene	0.55	0.54	0.21	
108-90-7	Chlorobenzene	ND	0.54	0.14	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.28	U
71-55-6	1,1,1-Trichloroethane	ND	0.54	0.18	U
71-43-2	Benzene	ND	0.54	0.18	U
108-88-3	Toluene	ND	1.1	0.59	U
100-41-4	Ethylbenzene	ND	1.1	0.15	U
75-01-4	Vinyl chloride	ND	1.1	0.36	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.26	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.15	U
79-01-6	Trichloroethene	ND	0.54	0.15	U
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.16	U
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.2	0.22	U
179601-23-1	p/m-Xylene	ND	2.2	0.61	U
95-47-6	o-Xylene	ND	1.1	0.32	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.19	U
67-64-1	Acetone	15	11	5.2	
78-93-3	2-Butanone	ND	11	2.4	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Lab ID : L2049037-02	Date Collected : 11/06/20 07:49
Client ID : SB-1A (2-4)	Date Received : 11/06/20
Sample Location : 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed : 11/08/20 16:21
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : JC
Lab File ID : V11201108A08	Instrument ID : VOA111
Sample Amount : 4.7 g	GC Column : RTX-VMS
Level : LOW	%Solids : 98
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.1	0.18	U
135-98-8	sec-Butylbenzene	ND	1.1	0.16	U
98-06-6	tert-Butylbenzene	ND	2.2	0.13	U
103-65-1	n-Propylbenzene	ND	1.1	0.18	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.2	0.21	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.2	0.36	U
123-91-1	1,4-Dioxane	ND	87	38.	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-06	Date Collected	: 11/06/20 08:30
Client ID	: SB-4A (0-2)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/08/20 17:11
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: JC
Lab File ID	: V11201108A10	Instrument ID	: VOA111
Sample Amount	: 5.7 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 89
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
127-18-4	Tetrachloroethene	12	0.50	0.20	
108-90-7	Chlorobenzene	ND	0.50	0.13	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
75-01-4	Vinyl chloride	ND	1.0	0.33	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	U
67-64-1	Acetone	7.5	10	4.8	J
78-93-3	2-Butanone	ND	10	2.2	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Lab ID : L2049037-06	Date Collected : 11/06/20 08:30
Client ID : SB-4A (0-2)	Date Received : 11/06/20
Sample Location : 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed : 11/08/20 17:11
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : JC
Lab File ID : V11201108A10	Instrument ID : VOA111
Sample Amount : 5.7 g	GC Column : RTX-VMS
Level : LOW	%Solids : 89
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.14	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-07	Date Collected	: 11/06/20 08:37
Client ID	: SB-4A (2-4)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/08/20 17:37
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: JC
Lab File ID	: V11201108A11	Instrument ID	: VOA111
Sample Amount	: 6.4 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 90
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.4	2.0	U
75-34-3	1,1-Dichloroethane	ND	0.87	0.13	U
67-66-3	Chloroform	ND	1.3	0.12	U
56-23-5	Carbon tetrachloride	ND	0.87	0.20	U
127-18-4	Tetrachloroethene	320	0.44	0.17	E
108-90-7	Chlorobenzene	ND	0.44	0.11	U
107-06-2	1,2-Dichloroethane	ND	0.87	0.22	U
71-55-6	1,1,1-Trichloroethane	ND	0.44	0.14	U
71-43-2	Benzene	ND	0.44	0.14	U
108-88-3	Toluene	ND	0.87	0.47	U
100-41-4	Ethylbenzene	ND	0.87	0.12	U
75-01-4	Vinyl chloride	ND	0.87	0.29	U
75-35-4	1,1-Dichloroethene	ND	0.87	0.21	U
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.12	U
79-01-6	Trichloroethene	0.81	0.44	0.12	
95-50-1	1,2-Dichlorobenzene	ND	1.7	0.12	U
541-73-1	1,3-Dichlorobenzene	ND	1.7	0.13	U
106-46-7	1,4-Dichlorobenzene	ND	1.7	0.15	U
1634-04-4	Methyl tert butyl ether	ND	1.7	0.18	U
179601-23-1	p/m-Xylene	ND	1.7	0.49	U
95-47-6	o-Xylene	ND	0.87	0.25	U
156-59-2	cis-1,2-Dichloroethene	ND	0.87	0.15	U
67-64-1	Acetone	ND	8.7	4.2	U
78-93-3	2-Butanone	ND	8.7	1.9	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-07	Date Collected	: 11/06/20 08:37
Client ID	: SB-4A (2-4)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/08/20 17:37
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: JC
Lab File ID	: V11201108A11	Instrument ID	: VOA111
Sample Amount	: 6.4 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 90
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	0.87	0.14	U
135-98-8	sec-Butylbenzene	ND	0.87	0.13	U
98-06-6	tert-Butylbenzene	ND	1.7	0.10	U
103-65-1	n-Propylbenzene	ND	0.87	0.15	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.7	0.17	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.7	0.29	U
123-91-1	1,4-Dioxane	ND	70	30.	U

Results Summary

Form 1

Volatile Organics by EPA 5035 High

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Lab ID : L2049037-07	Date Collected : 11/06/20 08:37
Client ID : SB-4A (2-4)	Date Received : 11/06/20
Sample Location : 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed : 11/10/20 01:05
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V11201109N20	Instrument ID : VOA111
Sample Amount : 6.0 g	GC Column : RTX-VMS
Level : HIGH	%Solids : 90
Extract Volume (MeOH) : 5 ml	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	260	120	U
75-34-3	1,1-Dichloroethane	ND	52	7.5	U
67-66-3	Chloroform	ND	78	7.3	U
56-23-5	Carbon tetrachloride	ND	52	12.	U
127-18-4	Tetrachloroethene	20000	26	10.	E
108-90-7	Chlorobenzene	ND	26	6.6	U
107-06-2	1,2-Dichloroethane	ND	52	13.	U
71-55-6	1,1,1-Trichloroethane	ND	26	8.7	U
71-43-2	Benzene	ND	26	8.6	U
108-88-3	Toluene	ND	52	28.	U
100-41-4	Ethylbenzene	ND	52	7.3	U
75-01-4	Vinyl chloride	ND	52	17.	U
75-35-4	1,1-Dichloroethene	ND	52	12.	U
156-60-5	trans-1,2-Dichloroethene	ND	78	7.1	U
79-01-6	Trichloroethene	42	26	7.1	
95-50-1	1,2-Dichlorobenzene	ND	100	7.5	U
541-73-1	1,3-Dichlorobenzene	ND	100	7.7	U
106-46-7	1,4-Dichlorobenzene	ND	100	8.9	U
1634-04-4	Methyl tert butyl ether	ND	100	10.	U
179601-23-1	p/m-Xylene	ND	100	29.	U
95-47-6	o-Xylene	ND	52	15.	U
156-59-2	cis-1,2-Dichloroethene	ND	52	9.1	U
67-64-1	Acetone	ND	520	250	U
78-93-3	2-Butanone	ND	520	120	U



Results Summary

Form 1

Volatile Organics by EPA 5035 High

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-07	Date Collected	: 11/06/20 08:37
Client ID	: SB-4A (2-4)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/10/20 01:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V11201109N20	Instrument ID	: VOA111
Sample Amount	: 6.0 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: 90
Extract Volume (MeOH)	: 5 ml	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	52	8.7	U
135-98-8	sec-Butylbenzene	ND	52	7.6	U
98-06-6	tert-Butylbenzene	ND	100	6.1	U
103-65-1	n-Propylbenzene	ND	52	8.9	U
108-67-8	1,3,5-Trimethylbenzene	ND	100	10.	U
95-63-6	1,2,4-Trimethylbenzene	ND	100	17.	U
123-91-1	1,4-Dioxane	ND	4200	1800	U

Results Summary

Form 1

Volatile Organics by EPA 5035 High

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-07D	Date Collected	: 11/06/20 08:37
Client ID	: SB-4A (2-4)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/10/20 10:04
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: JC
Lab File ID	: V11201110A11	Instrument ID	: VOA111
Sample Amount	: 6.0 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: 90
Extract Volume (MeOH)	: 5 ml	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
127-18-4	Tetrachloroethene	23000	52	20.	

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Lab ID : L2049037-08	Date Collected : 11/06/20 08:49
Client ID : SB-4A (4-6)	Date Received : 11/06/20
Sample Location : 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed : 11/11/20 14:07
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : KJD
Lab File ID : V26201111A06	Instrument ID : VOA126
Sample Amount : 5.4 g	GC Column : RTX-VMS
Level : LOW	%Solids : 90
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.2	2.4	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.15	U
67-66-3	Chloroform	ND	1.6	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.24	U
127-18-4	Tetrachloroethene	2.1	0.52	0.20	
108-90-7	Chlorobenzene	ND	0.52	0.13	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.27	U
71-55-6	1,1,1-Trichloroethane	ND	0.52	0.17	U
71-43-2	Benzene	ND	0.52	0.17	U
108-88-3	Toluene	ND	1.0	0.56	U
100-41-4	Ethylbenzene	ND	1.0	0.15	U
75-01-4	Vinyl chloride	ND	1.0	0.35	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.25	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.14	U
79-01-6	Trichloroethene	ND	0.52	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.15	U
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.21	U
179601-23-1	p/m-Xylene	ND	2.1	0.58	U
95-47-6	o-Xylene	ND	1.0	0.30	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
67-64-1	Acetone	11	10	5.0	
78-93-3	2-Butanone	ND	10	2.3	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-08	Date Collected	: 11/06/20 08:49
Client ID	: SB-4A (4-6)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/11/20 14:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KJD
Lab File ID	: V26201111A06	Instrument ID	: VOA126
Sample Amount	: 5.4 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 90
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.1	0.12	U
103-65-1	n-Propylbenzene	ND	1.0	0.18	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.1	0.20	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.1	0.35	U
123-91-1	1,4-Dioxane	ND	83	36.	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental	Lab Number : L2049037
Project Name : BEACH CHANNEL DRIVE	Project Number : 15209
Lab ID : L2049037-11	Date Collected : 11/06/20 09:30
Client ID : DRY WELL-1	Date Received : 11/06/20
Sample Location : 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed : 11/09/20 21:58
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : JC
Lab File ID : V04201109N09	Instrument ID : VOA104
Sample Amount : 5.3 g	GC Column : RTX-VMS
Level : LOW	%Solids : 62
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	7.6	3.5	U
75-34-3	1,1-Dichloroethane	ND	1.5	0.22	U
67-66-3	Chloroform	ND	2.3	0.21	U
56-23-5	Carbon tetrachloride	ND	1.5	0.35	U
127-18-4	Tetrachloroethene	19	0.76	0.30	
108-90-7	Chlorobenzene	ND	0.76	0.19	U
107-06-2	1,2-Dichloroethane	ND	1.5	0.39	U
71-55-6	1,1,1-Trichloroethane	ND	0.76	0.26	U
71-43-2	Benzene	ND	0.76	0.25	U
108-88-3	Toluene	ND	1.5	0.83	U
100-41-4	Ethylbenzene	ND	1.5	0.22	U
75-01-4	Vinyl chloride	ND	1.5	0.51	U
75-35-4	1,1-Dichloroethene	ND	1.5	0.36	U
156-60-5	trans-1,2-Dichloroethene	ND	2.3	0.21	U
79-01-6	Trichloroethene	0.49	0.76	0.21	J
95-50-1	1,2-Dichlorobenzene	ND	3.0	0.22	U
541-73-1	1,3-Dichlorobenzene	ND	3.0	0.23	U
106-46-7	1,4-Dichlorobenzene	ND	3.0	0.26	U
1634-04-4	Methyl tert butyl ether	ND	3.0	0.31	U
179601-23-1	p/m-Xylene	ND	3.0	0.86	U
95-47-6	o-Xylene	ND	1.5	0.44	U
156-59-2	cis-1,2-Dichloroethene	ND	1.5	0.27	U
67-64-1	Acetone	42	15	7.3	
78-93-3	2-Butanone	ND	15	3.4	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-11	Date Collected	: 11/06/20 09:30
Client ID	: DRY WELL-1	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/09/20 21:58
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: JC
Lab File ID	: V04201109N09	Instrument ID	: VOA104
Sample Amount	: 5.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 62
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
104-51-8	n-Butylbenzene	ND	1.5	0.26	U
135-98-8	sec-Butylbenzene	ND	1.5	0.22	U
98-06-6	tert-Butylbenzene	ND	3.0	0.18	U
103-65-1	n-Propylbenzene	ND	1.5	0.26	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.0	0.29	U
95-63-6	1,2,4-Trimethylbenzene	ND	3.0	0.51	U
123-91-1	1,4-Dioxane	ND	120	54.	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1431978-5
 Client ID : WG1431978-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V11201108A04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/08/20 14:34
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : VOA111
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
67-64-1	Acetone	ND	10	4.8	U
78-93-3	2-Butanone	ND	10	2.2	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1431978-5
 Client ID : WG1431978-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V11201108A04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/08/20 14:34
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : VOA111
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1432466-5
 Client ID : WG1432466-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V04201109N04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/09/20 19:49
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
67-64-1	Acetone	ND	10	4.8	U
78-93-3	2-Butanone	ND	10	2.2	U
104-51-8	n-Butylbenzene	0.34	1.0	0.17	J



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1432466-5
 Client ID : WG1432466-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V04201109N04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/09/20 19:49
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U



Results Summary

Form 1

Volatile Organics by EPA 5035 High

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1432485-5
 Client ID : WG1432485-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V11201109N04
 Sample Amount : 15.0 g
 Level : HIGH
 Extract Volume (MeOH) : 15 ml

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/09/20 18:27
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : VOA111
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	250	110	U
75-34-3	1,1-Dichloroethane	ND	50	7.2	U
67-66-3	Chloroform	ND	75	7.0	U
56-23-5	Carbon tetrachloride	ND	50	12.	U
127-18-4	Tetrachloroethene	ND	25	9.8	U
108-90-7	Chlorobenzene	ND	25	6.4	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.3	U
108-88-3	Toluene	ND	50	27.	U
100-41-4	Ethylbenzene	ND	50	7.0	U
75-01-4	Vinyl chloride	ND	50	17.	U
75-35-4	1,1-Dichloroethene	ND	50	12.	U
156-60-5	trans-1,2-Dichloroethene	ND	75	6.8	U
79-01-6	Trichloroethene	ND	25	6.8	U
95-50-1	1,2-Dichlorobenzene	ND	100	7.2	U
541-73-1	1,3-Dichlorobenzene	ND	100	7.4	U
106-46-7	1,4-Dichlorobenzene	ND	100	8.6	U
1634-04-4	Methyl tert butyl ether	ND	100	10.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	ND	50	8.8	U
67-64-1	Acetone	ND	500	240	U
78-93-3	2-Butanone	ND	500	110	U
104-51-8	n-Butylbenzene	ND	50	8.4	U



Results Summary

Form 1

Volatile Organics by EPA 5035 High

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1432485-5
 Client ID : WG1432485-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V11201109N04
 Sample Amount : 15.0 g
 Level : HIGH
 Extract Volume (MeOH) : 15 ml

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/09/20 18:27
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : VOA111
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
135-98-8	sec-Butylbenzene	ND	50	7.3	U
98-06-6	tert-Butylbenzene	ND	100	5.9	U
103-65-1	n-Propylbenzene	ND	50	8.6	U
108-67-8	1,3,5-Trimethylbenzene	ND	100	9.6	U
95-63-6	1,2,4-Trimethylbenzene	ND	100	17.	U
123-91-1	1,4-Dioxane	ND	4000	1800	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1432524-5
 Client ID : WG1432524-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V11201110A04
 Sample Amount : 15.0 g
 Level : HIGH
 Extract Volume (MeOH) : 15 ml

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/10/20 07:10
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA111
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	250	110	U
75-34-3	1,1-Dichloroethane	ND	50	7.2	U
67-66-3	Chloroform	ND	75	7.0	U
56-23-5	Carbon tetrachloride	ND	50	12.	U
127-18-4	Tetrachloroethene	ND	25	9.8	U
108-90-7	Chlorobenzene	ND	25	6.4	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.3	U
108-88-3	Toluene	ND	50	27.	U
100-41-4	Ethylbenzene	ND	50	7.0	U
75-01-4	Vinyl chloride	ND	50	17.	U
75-35-4	1,1-Dichloroethene	ND	50	12.	U
156-60-5	trans-1,2-Dichloroethene	ND	75	6.8	U
79-01-6	Trichloroethene	ND	25	6.8	U
95-50-1	1,2-Dichlorobenzene	ND	100	7.2	U
541-73-1	1,3-Dichlorobenzene	ND	100	7.4	U
106-46-7	1,4-Dichlorobenzene	ND	100	8.6	U
1634-04-4	Methyl tert butyl ether	ND	100	10.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	ND	50	8.8	U
67-64-1	Acetone	ND	500	240	U
78-93-3	2-Butanone	ND	500	110	U
104-51-8	n-Butylbenzene	ND	50	8.4	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1432524-5
 Client ID : WG1432524-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V11201110A04
 Sample Amount : 15.0 g
 Level : HIGH
 Extract Volume (MeOH) : 15 ml

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/10/20 07:10
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA111
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
135-98-8	sec-Butylbenzene	ND	50	7.3	U
98-06-6	tert-Butylbenzene	ND	100	5.9	U
103-65-1	n-Propylbenzene	ND	50	8.6	U
108-67-8	1,3,5-Trimethylbenzene	ND	100	9.6	U
95-63-6	1,2,4-Trimethylbenzene	ND	100	17.	U
123-91-1	1,4-Dioxane	ND	4000	1800	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1433193-5
 Client ID : WG1433193-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V26201111A04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/11/20 12:49
 Dilution Factor : 1
 Analyst : KJD
 Instrument ID : VOA126
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
67-64-1	Acetone	ND	10	4.8	U
78-93-3	2-Butanone	ND	10	2.2	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1433193-5
 Client ID : WG1433193-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V26201111A04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2049037
 Project Number : 15209
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 11/11/20 12:49
 Dilution Factor : 1
 Analyst : KJD
 Instrument ID : VOA126
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A07.D
 Acq On : 08 Nov 2020 03:55 pm
 Operator : VOA111:JC
 Sample : 12049037-01,31,6.02,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 09 06:14:38 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	87154	20.000	ug/L	0.00
Standard Area 1 = 95477			Recovery =	91.28%		
59) Chlorobenzene-d5	8.900	117	64470	20.000	ug/L	0.00
Standard Area 1 = 72006			Recovery =	89.53%		
79) 1,4-Dichlorobenzene-d4	11.737	152	27282	20.000	ug/L	0.00
Standard Area 1 = 38851			Recovery =	70.22%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	22939	20.654	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.27%		
43) 1,2-Dichloroethane-d4	5.167	65	22473	20.857	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	104.29%		
60) Toluene-d8	7.091	98	84759	20.420	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.10%		
83) 4-Bromofluorobenzene	10.452	95	24576	20.937	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	104.69%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
15) Methylene chloride	3.091	84	260	0.311	ug/L #	68
17) Acetone	3.122	43	3102	16.443	ug/L	100
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	5.623	95	524	0.680	ug/L	96
57) 1,4-Dioxane	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
63) Tetrachloroethene	7.589	166	42052	52.790	ug/L	99
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A07.D
 Acq On : 08 Nov 2020 03:55 pm
 Operator : VOA111:JC
 Sample : 12049037-01,31,6.02,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 09 06:14:38 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.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	0.000		0		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.	

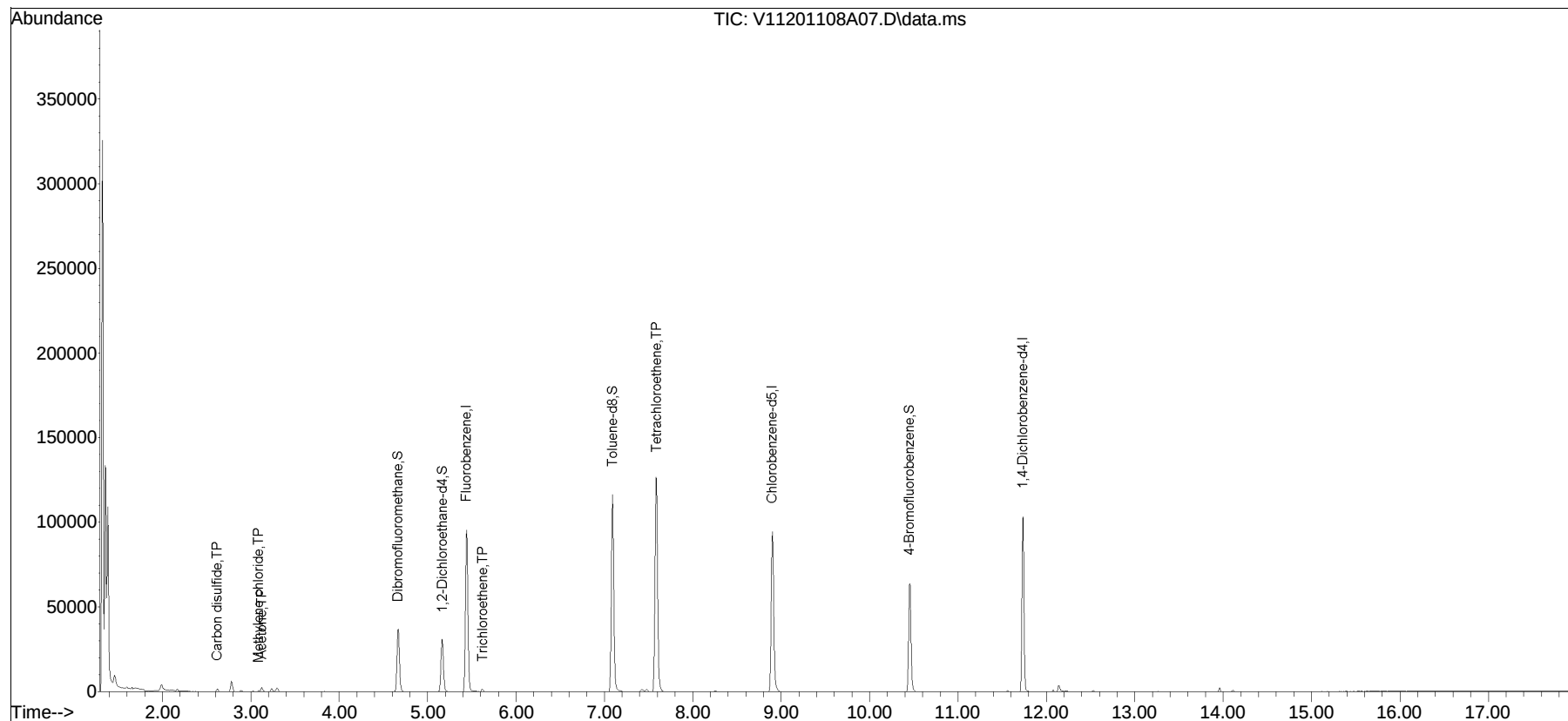
(#) = qualifier out of range (m) = manual integration (+) = signals summed

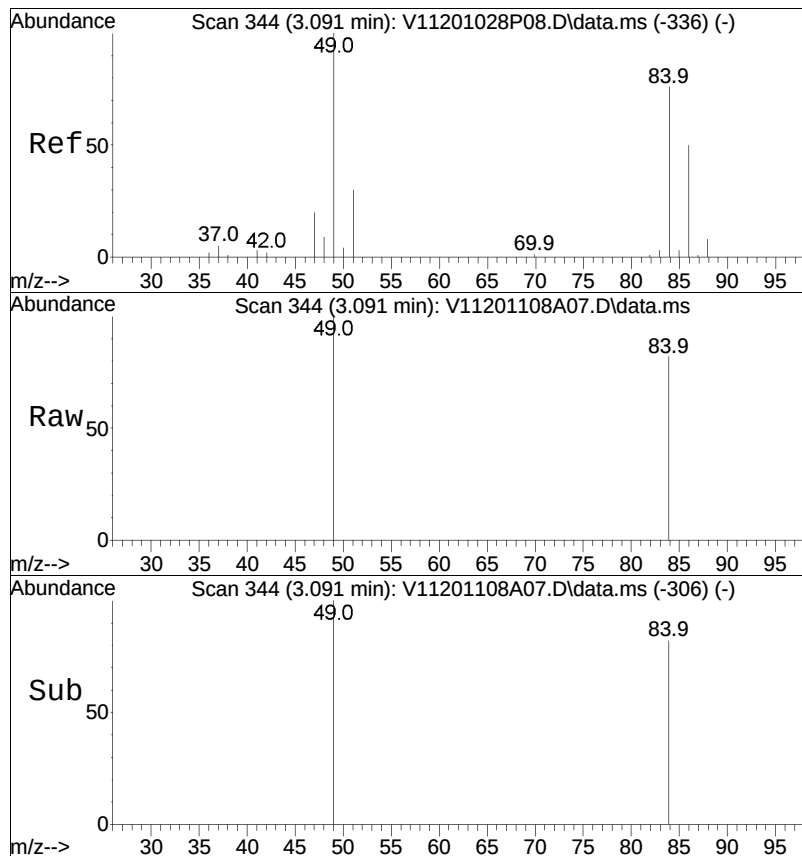
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A07.D
 Acq On : 08 Nov 2020 03:55 pm
 Operator : VOA111:JC
 Sample : l2049037-01,31,6.02,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 09 06:14:38 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

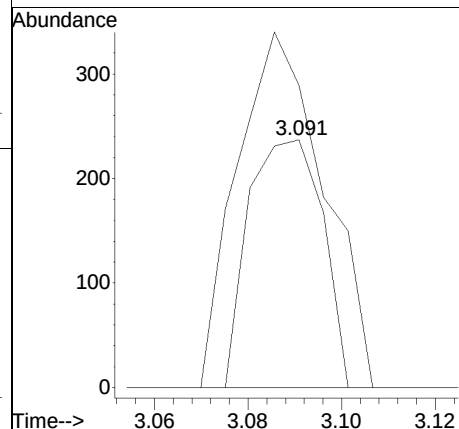
Sub List : 8260-NYTCL - Megamix plus Diox01108A\V11201108A01.D•

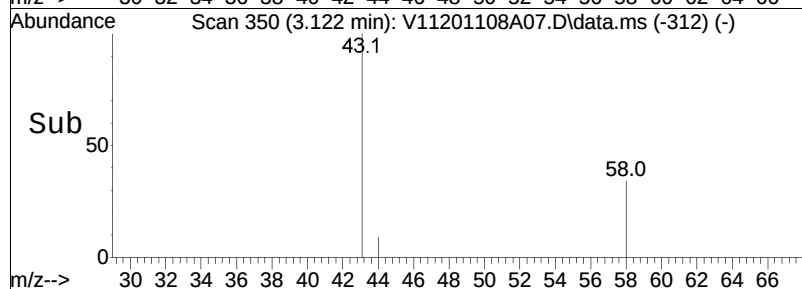
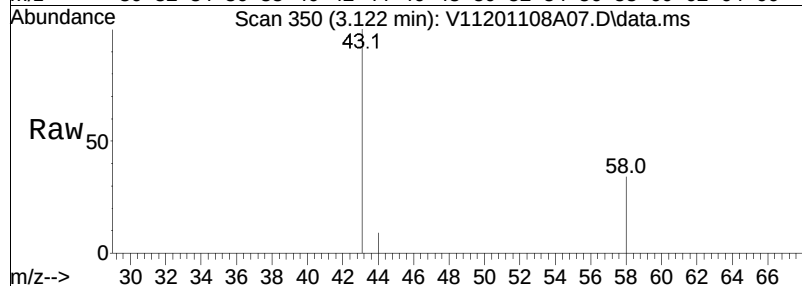
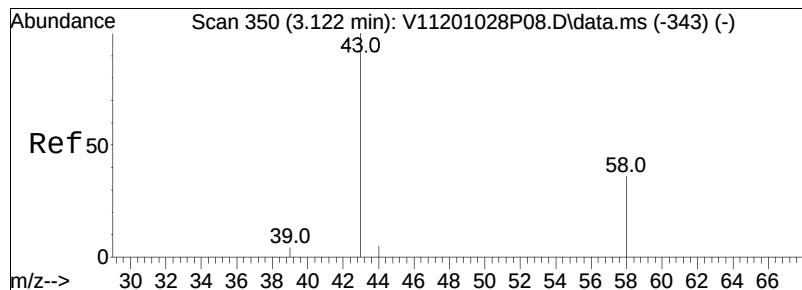




#15
Methylene chloride
Concen: 0.31 ug/L
RT: 3.091 min Scan# 344
Delta R.T. -0.000 min
Lab File: V11201108A07.D
Acq: 08 Nov 2020 03:55 pm

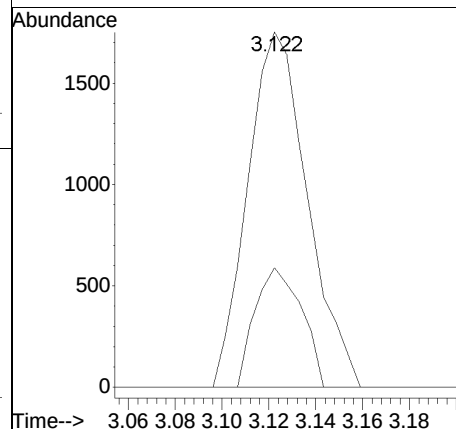
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	0.0	41.1	85.3#	
49	168.1	124.2	258.0	

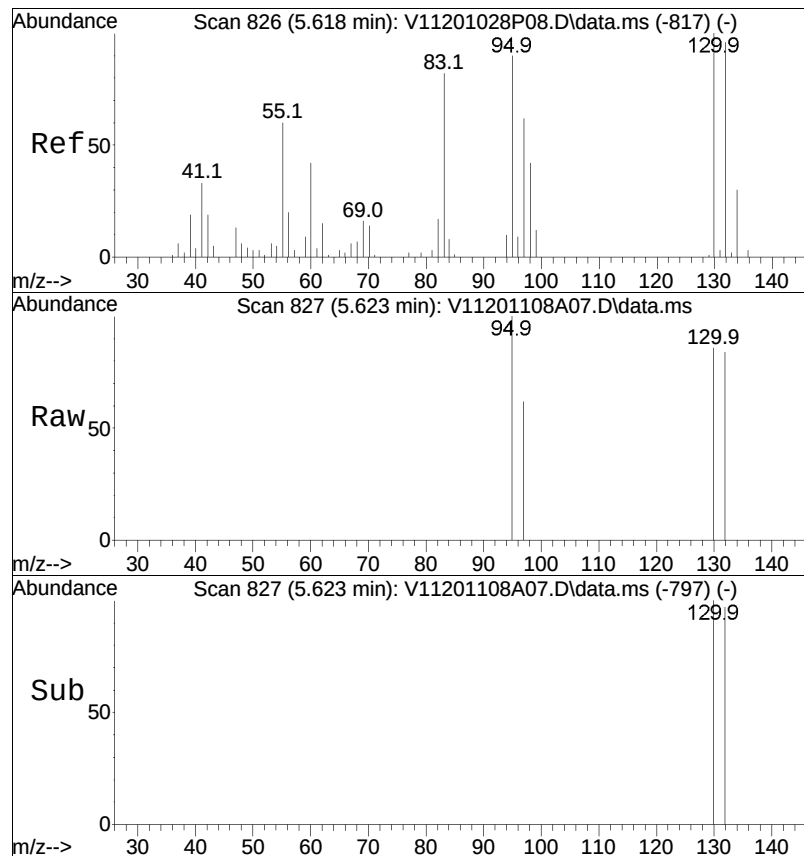




#17
Acetone
Concen: 16.44 ug/L
RT: 3.122 min Scan# 350
Delta R.T. 0.000 min
Lab File: V11201108A07.D
Acq: 08 Nov 2020 03:55 pm

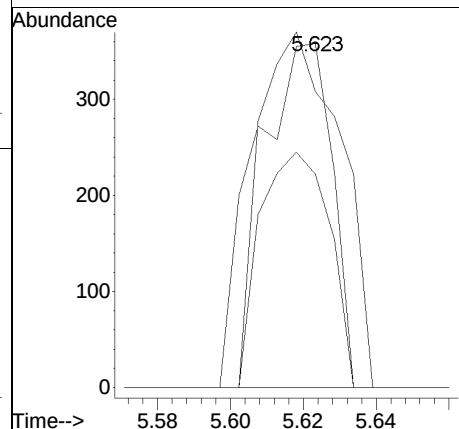
Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.8	31.2

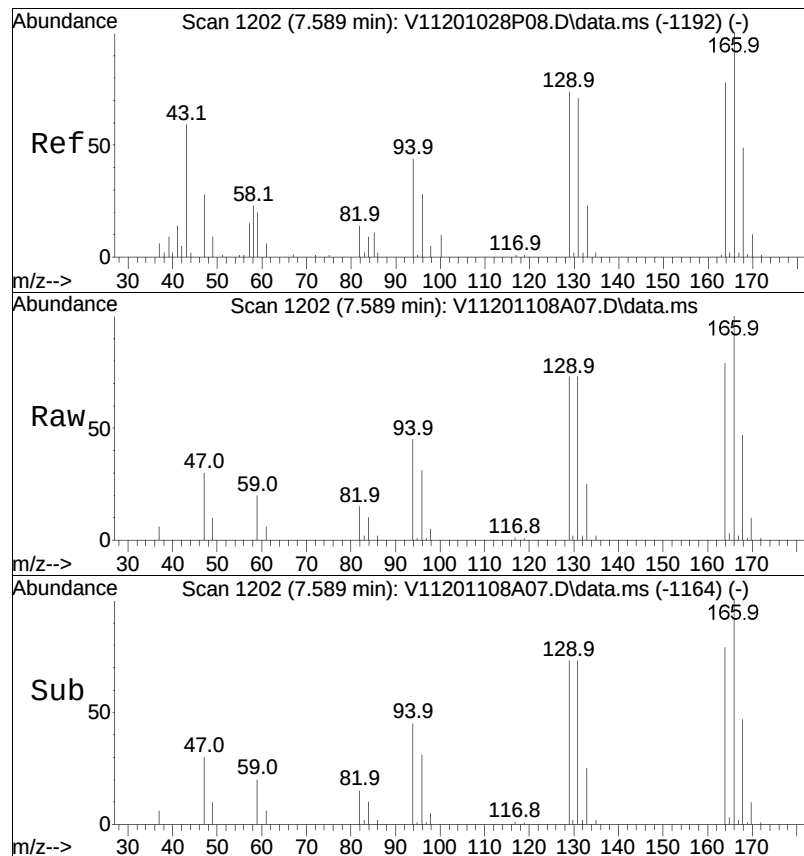




#48
 Trichloroethene
 Concen: 0.68 ug/L
 RT: 5.623 min Scan# 827
 Delta R.T. 0.005 min
 Lab File: V11201108A07.D
 Acq: 08 Nov 2020 03:55 pm

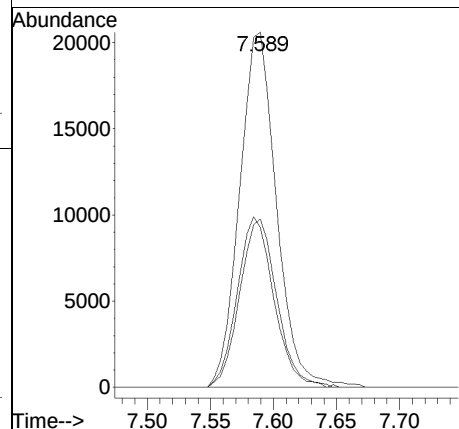
Tgt Ion	Ratio	Lower	Upper
95	100		
97	61.5	54.3	81.5
130	107.8	84.6	126.8





#63
 Tetrachloroethene
 Concen: 52.79 ug/L
 RT: 7.589 min Scan# 1202
 Delta R.T. 0.000 min
 Lab File: V11201108A07.D
 Acq: 08 Nov 2020 03:55 pm

Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.6	28.2	68.2
94	47.5	26.3	66.3



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201108A07.D Operator : VOA111:JC
Date Inj'd : 11/8/2020 3:55 pm Instrument : VOA111
Sample : 12049037-01,31,6.02,5,,b Quant Date : 11/9/2020 6:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A08.D
 Acq On : 08 Nov 2020 04:21 pm
 Operator : VOA111:JC
 Sample : 12049037-02,31,4.72,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 09 06:14:43 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.445	96	87816	20.000	ug/L	0.00
Standard Area 1 = 95477			Recovery =	91.98%		
59) Chlorobenzene-d5	8.900	117	65285	20.000	ug/L	0.00
Standard Area 1 = 72006			Recovery =	90.67%		
79) 1,4-Dichlorobenzene-d4	11.737	152	29293	20.000	ug/L	0.00
Standard Area 1 = 38851			Recovery =	75.40%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	23166	20.701	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.51%		
43) 1,2-Dichloroethane-d4	5.167	65	22745	20.950	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	104.75%		
60) Toluene-d8	7.091	98	83552	19.878	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.39%		
83) 4-Bromofluorobenzene	10.457	95	25712	20.401	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.01%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	3.091	84	255	0.303	ug/L #	70
17) Acetone	3.122	43	2717	14.054	ug/L	97
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.	
57) 1,4-Dioxane	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
63) Tetrachloroethene	7.589	166	407	0.505	ug/L #	39
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A08.D
 Acq On : 08 Nov 2020 04:21 pm
 Operator : VOA111:JC
 Sample : 12049037-02,31,4.72,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 09 06:14:43 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.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	0.000		0		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.	

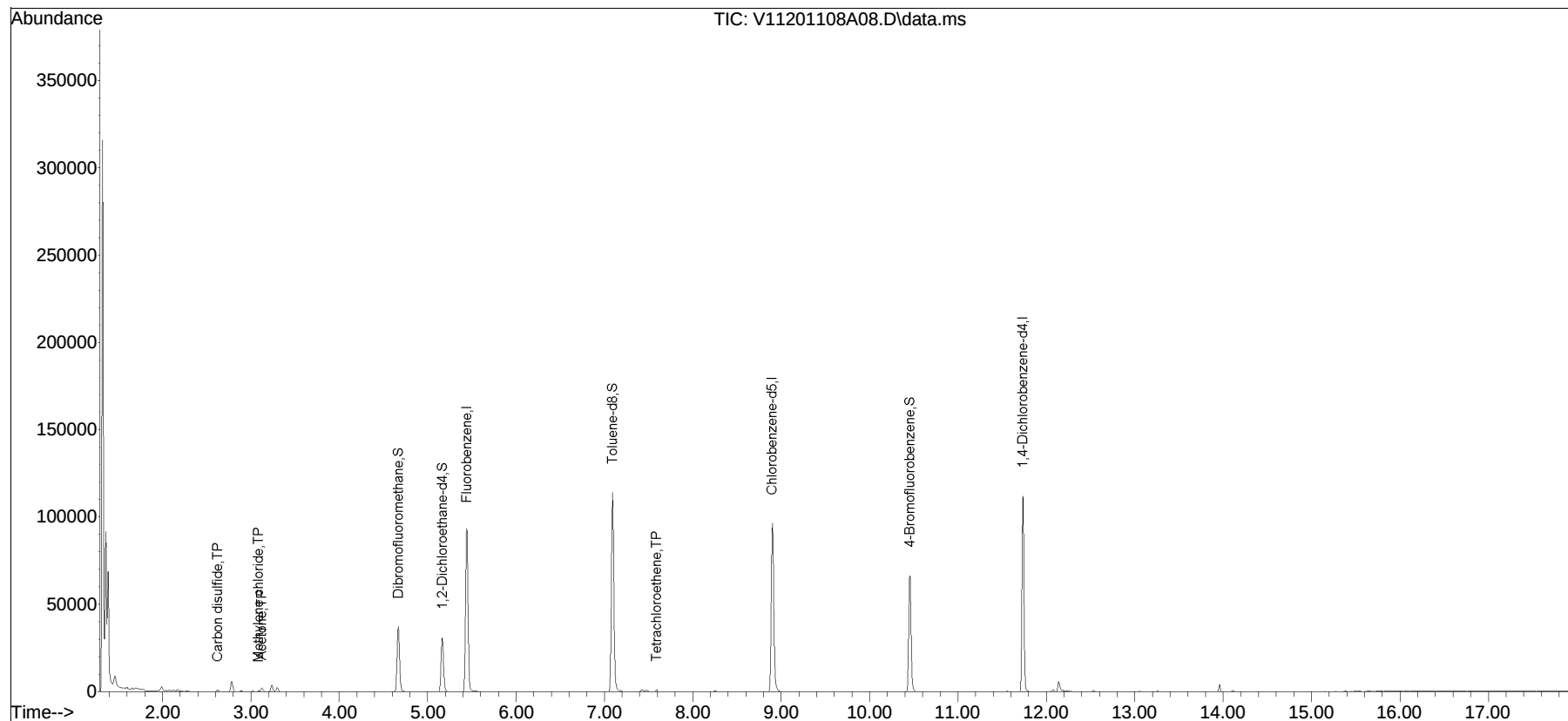
(#) = qualifier out of range (m) = manual integration (+) = signals summed

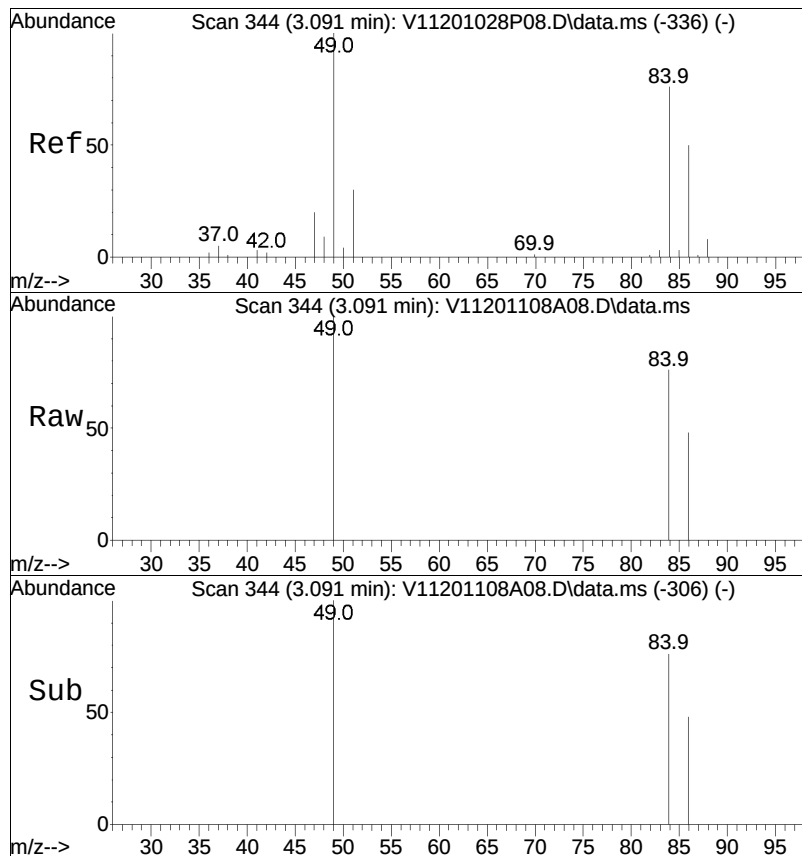
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A08.D
 Acq On : 08 Nov 2020 04:21 pm
 Operator : VOA111:JC
 Sample : l2049037-02,31,4.72,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 09 06:14:43 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

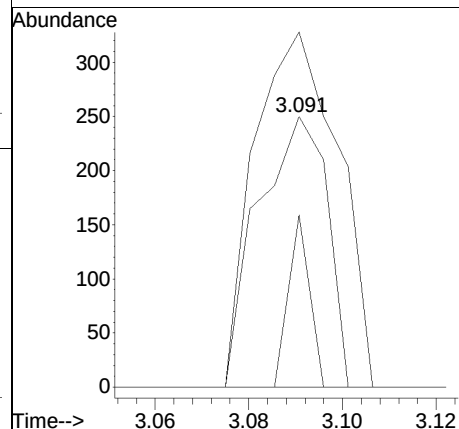
Sub List : 8260-NYTCL - Megamix plus Diox01108A\V11201108A01.D•

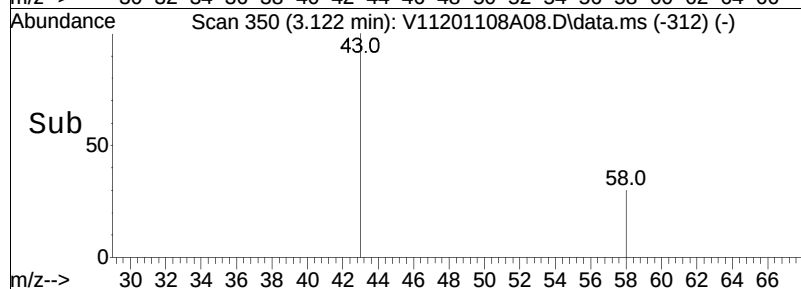
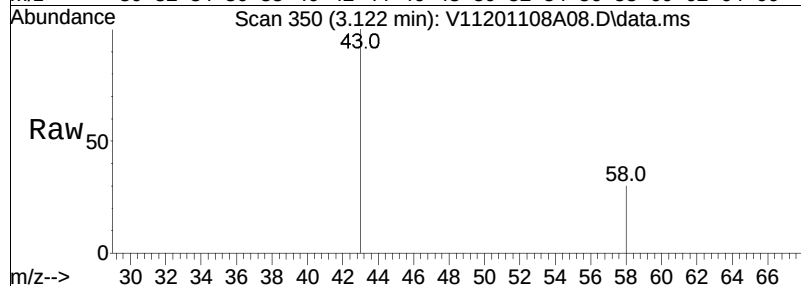
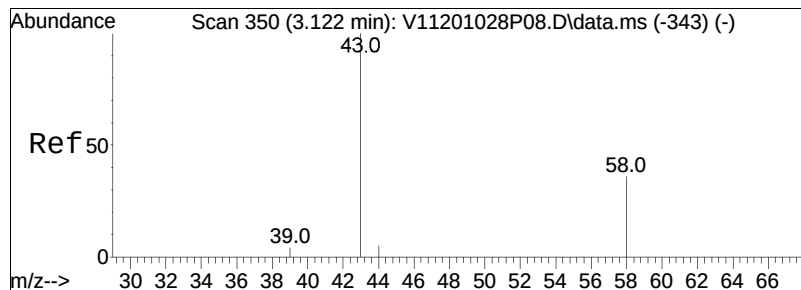




#15
Methylene chloride
Concen: 0.30 ug/L
RT: 3.091 min Scan# 344
Delta R.T. -0.000 min
Lab File: V11201108A08.D
Acq: 08 Nov 2020 04:21 pm

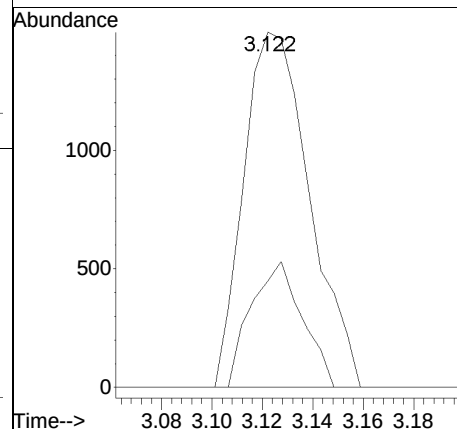
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	19.6	41.1	85.3#	
49	158.8	124.2	258.0	

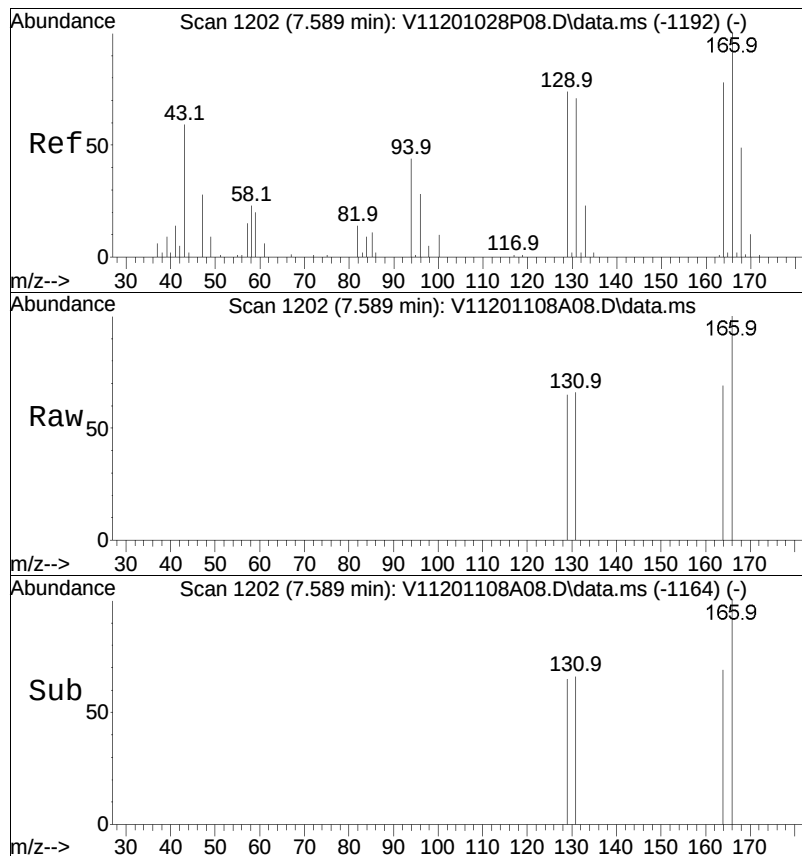




#17
Acetone
Concen: 14.05 ug/L
RT: 3.122 min Scan# 350
Delta R.T. 0.000 min
Lab File: V11201108A08.D
Acq: 08 Nov 2020 04:21 pm

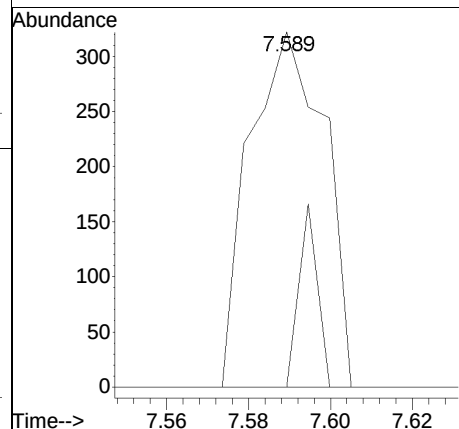
Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.6	20.8	31.2





#63
 Tetrachloroethene
 Concen: 0.50 ug/L
 RT: 7.589 min Scan# 1202
 Delta R.T. 0.000 min
 Lab File: V11201108A08.D
 Acq: 08 Nov 2020 04:21 pm

Tgt	Ion	Ratio	Lower	Upper
166	100			
168	12.8	28.2	68.2#	
94	0.0	26.3	66.3#	



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20
Data File : V11201108A08.D Method : V111_201028P_8260.m
Date Inj'd : 11/8/2020 4:21 pm Operator : VOA111:JC
Sample : l2049037-02,31,4.72,5,,b Instrument : VOA111
Quant Date : 11/9/2020 6:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A10.D
 Acq On : 08 Nov 2020 05:11 pm
 Operator : VOA111:JC
 Sample : 12049037-06,31,5.67,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 09 06:14:54 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.445	96	86334	20.000	ug/L	0.00
Standard Area 1 = 95477			Recovery =	90.42%		
59) Chlorobenzene-d5	8.900	117	64795	20.000	ug/L	0.00
Standard Area 1 = 72006			Recovery =	89.99%		
79) 1,4-Dichlorobenzene-d4	11.731	152	28141	20.000	ug/L	0.00
Standard Area 1 = 38851			Recovery =	72.43%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	23572	21.425	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	107.13%		
43) 1,2-Dichloroethane-d4	5.167	65	22780	21.343	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.72%		
60) Toluene-d8	7.091	98	83889	20.109	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.55%		
83) 4-Bromofluorobenzene	10.452	95	24812	20.493	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.46%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
15) Methylene chloride	3.091	84	110	0.133	ug/L #	56
17) Acetone	3.128	43	1569	7.497	ug/L	98
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.		
57) 1,4-Dioxane	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
63) Tetrachloroethene	7.589	166	9723	12.145	ug/L	97
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A10.D
 Acq On : 08 Nov 2020 05:11 pm
 Operator : VOA111:JC
 Sample : 12049037-06,31,5.67,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 09 06:14:54 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.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	0.000		0		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.	

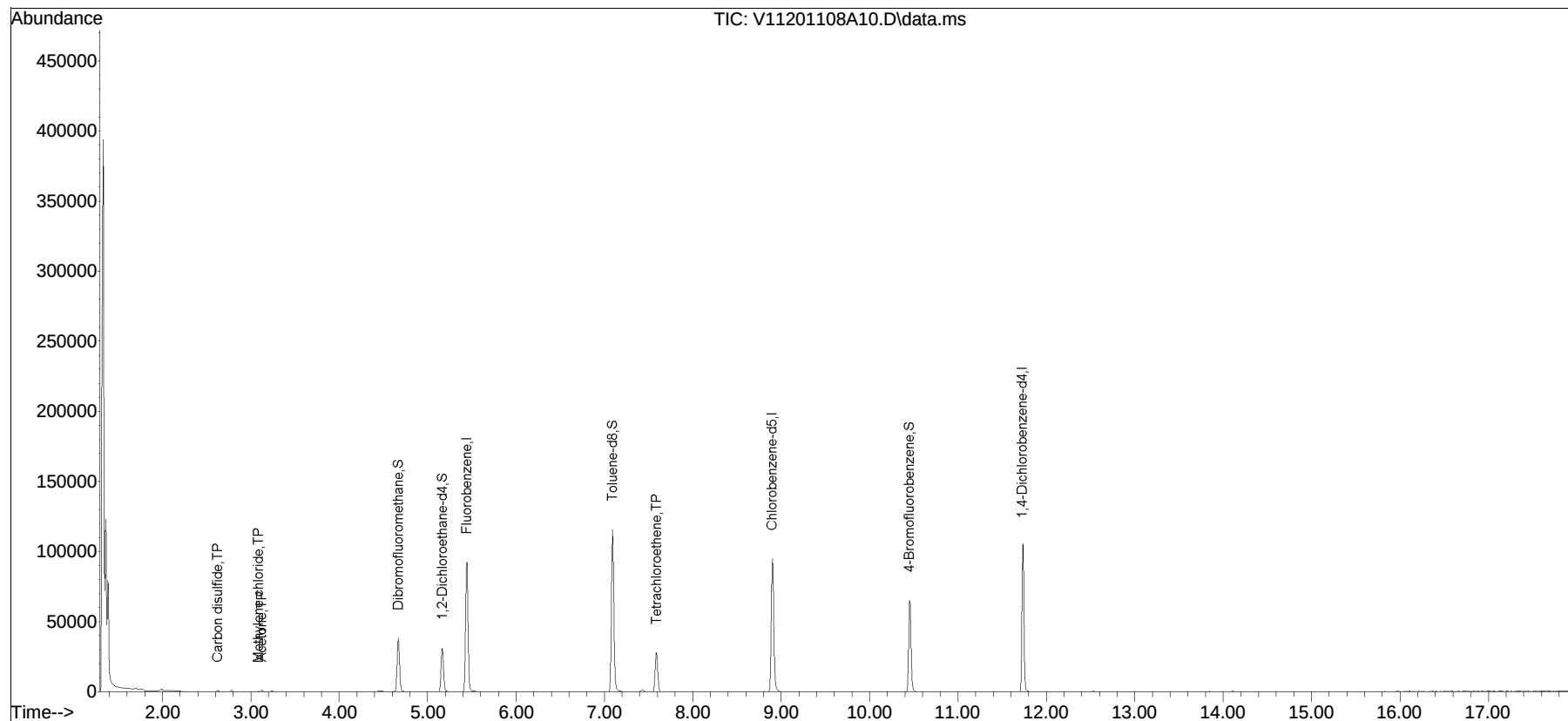
(#) = qualifier out of range (m) = manual integration (+) = signals summed

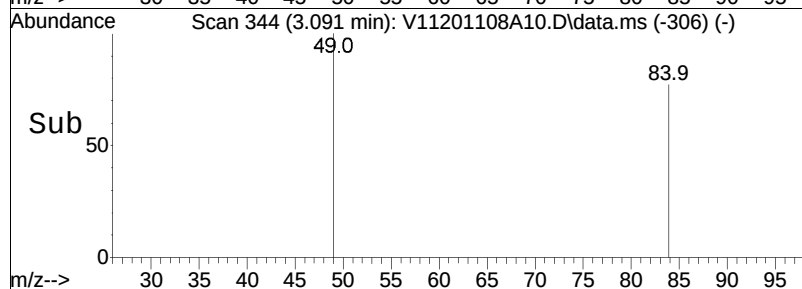
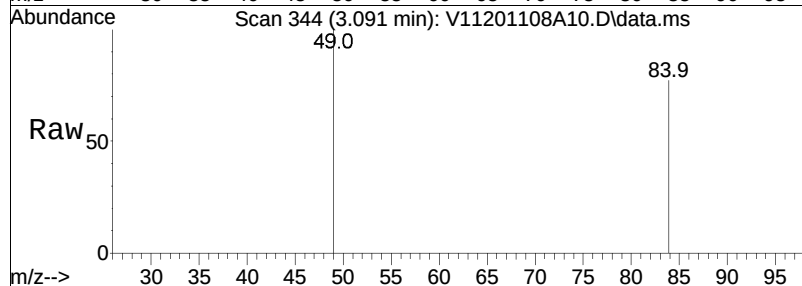
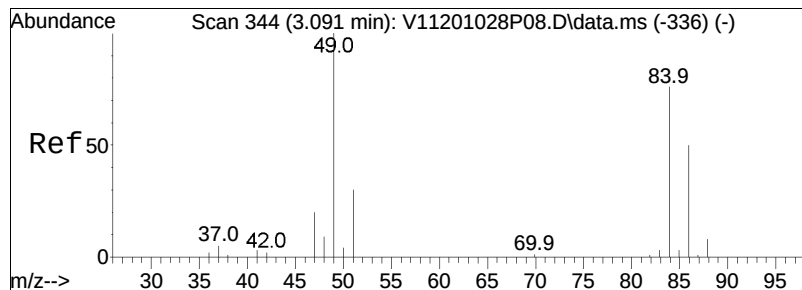
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A10.D
 Acq On : 08 Nov 2020 05:11 pm
 Operator : VOA111:JC
 Sample : l2049037-06,31,5.67,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 09 06:14:54 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

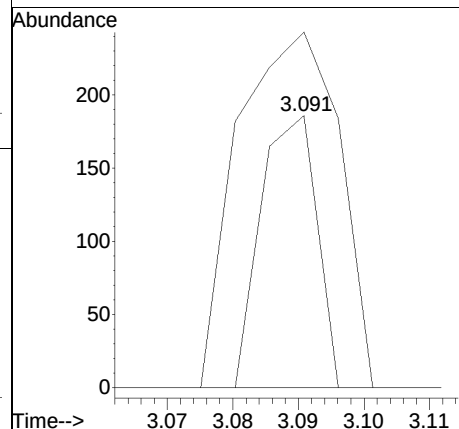
Sub List : 8260-NYTCL - Megamix plus Diox01108A\V11201108A01.D•

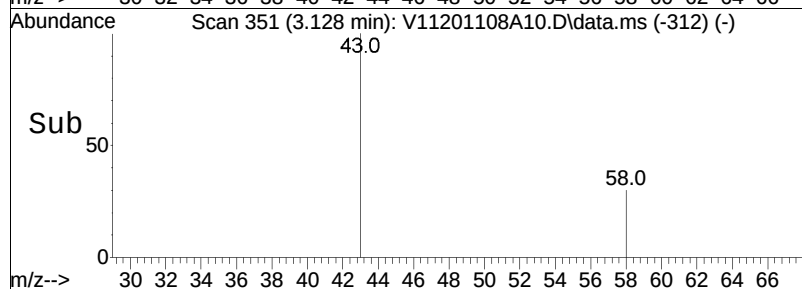
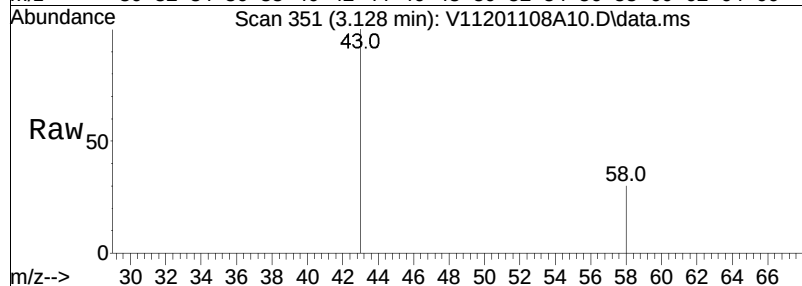
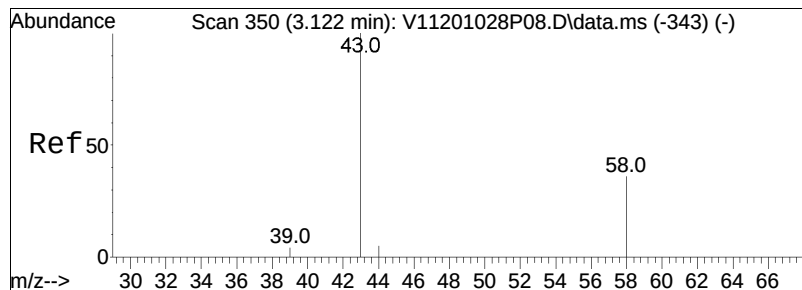




#15
Methylene chloride
Concen: 0.13 ug/L
RT: 3.091 min Scan# 344
Delta R.T. -0.000 min
Lab File: V11201108A10.D
Acq: 08 Nov 2020 05:11 pm

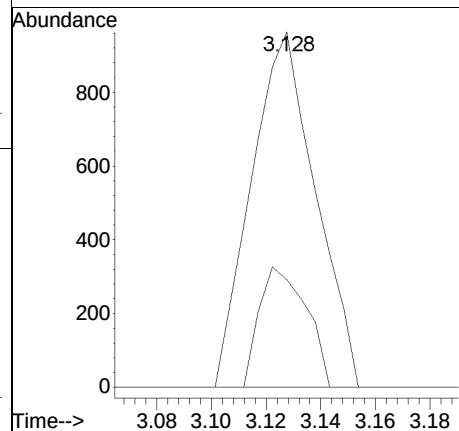
Tgt Ion	84	Resp	110
Ion Ratio	Lower	Upper	
84	100		
86	0.0	41.1	85.3#
49	237.3	124.2	258.0

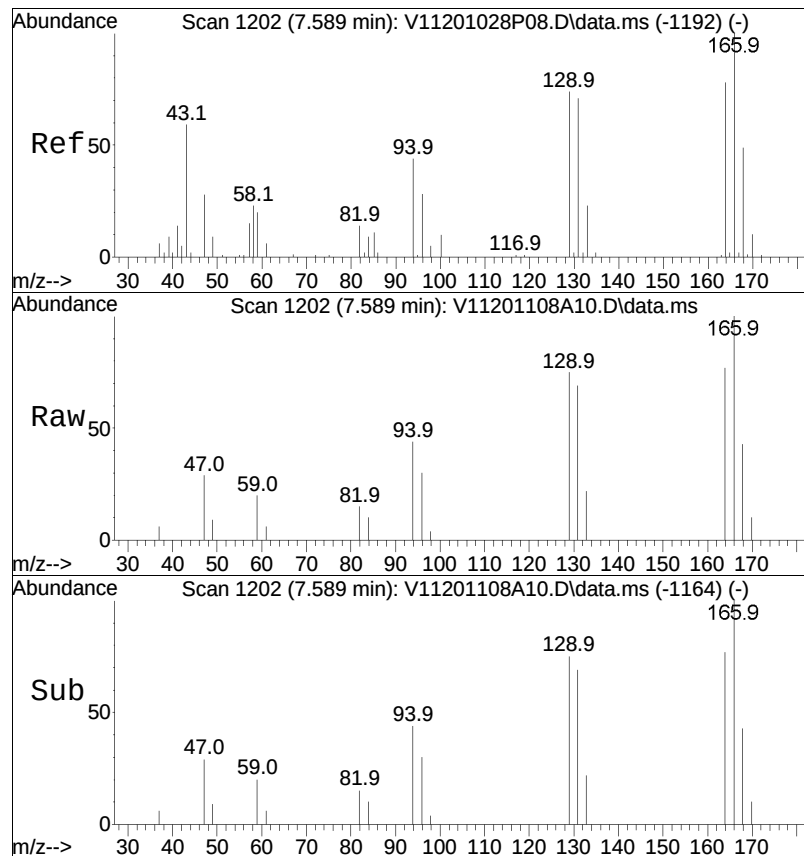




#17
Acetone
Concen: 7.50 ug/L
RT: 3.128 min Scan# 351
Delta R.T. 0.006 min
Lab File: V11201108A10.D
Acq: 08 Nov 2020 05:11 pm

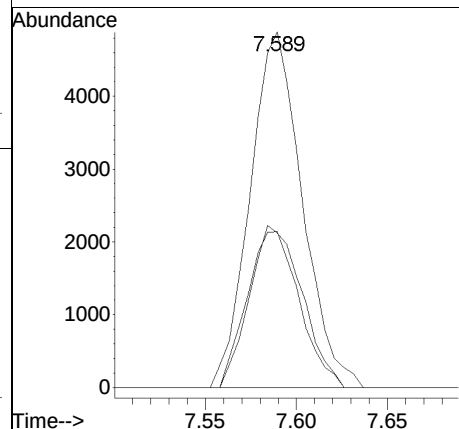
Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.9	20.8	31.2





#63
 Tetrachloroethene
 Concen: 12.14 ug/L
 RT: 7.589 min Scan# 1202
 Delta R.T. 0.000 min
 Lab File: V11201108A10.D
 Acq: 08 Nov 2020 05:11 pm

Tgt Ion	Ratio	Lower	Upper
166	100		
168	45.8	28.2	68.2
94	44.1	26.3	66.3



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20
Data File : V11201108A10.D Method : V111_201028P_8260.m
Date Inj'd : 11/8/2020 5:11 pm Operator : VOA111:JC
Sample : l2049037-06,31,5.67,5,,b Instrument : VOA111
Quant Date : 11/9/2020 6:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A11.D
 Acq On : 08 Nov 2020 05:37 pm
 Operator : VOA111:JC
 Sample : 12049037-07,31,6.38,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 09 06:27:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.445	96	84185	20.000	ug/L	0.00
Standard Area 1 = 95477			Recovery =	88.17%		
59) Chlorobenzene-d5	8.900	117	64902	20.000	ug/L	0.00
Standard Area 1 = 72006			Recovery =	90.13%		
79) 1,4-Dichlorobenzene-d4	11.737	152	26080	20.000	ug/L	0.00
Standard Area 1 = 38851			Recovery =	67.13%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	23149	21.578	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	107.89%		
43) 1,2-Dichloroethane-d4	5.167	65	22551	21.667	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	108.34%		
60) Toluene-d8	7.091	98	82921	19.844	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.22%		
83) 4-Bromofluorobenzene	10.452	95	24636	21.955	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	109.78%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	3.086	84	110	0.136	ug/L #	49
17) Acetone	3.127	43	1009	4.319	ug/L #	59
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	5.618	95	696	0.935	ug/L	88
57) 1,4-Dioxane	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
63) Tetrachloroethene	7.589	166	298266	371.936	ug/L	99
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A11.D
 Acq On : 08 Nov 2020 05:37 pm
 Operator : VOA111:JC
 Sample : 12049037-07,31,6.38,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 09 06:27:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.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	0.000		0		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.	

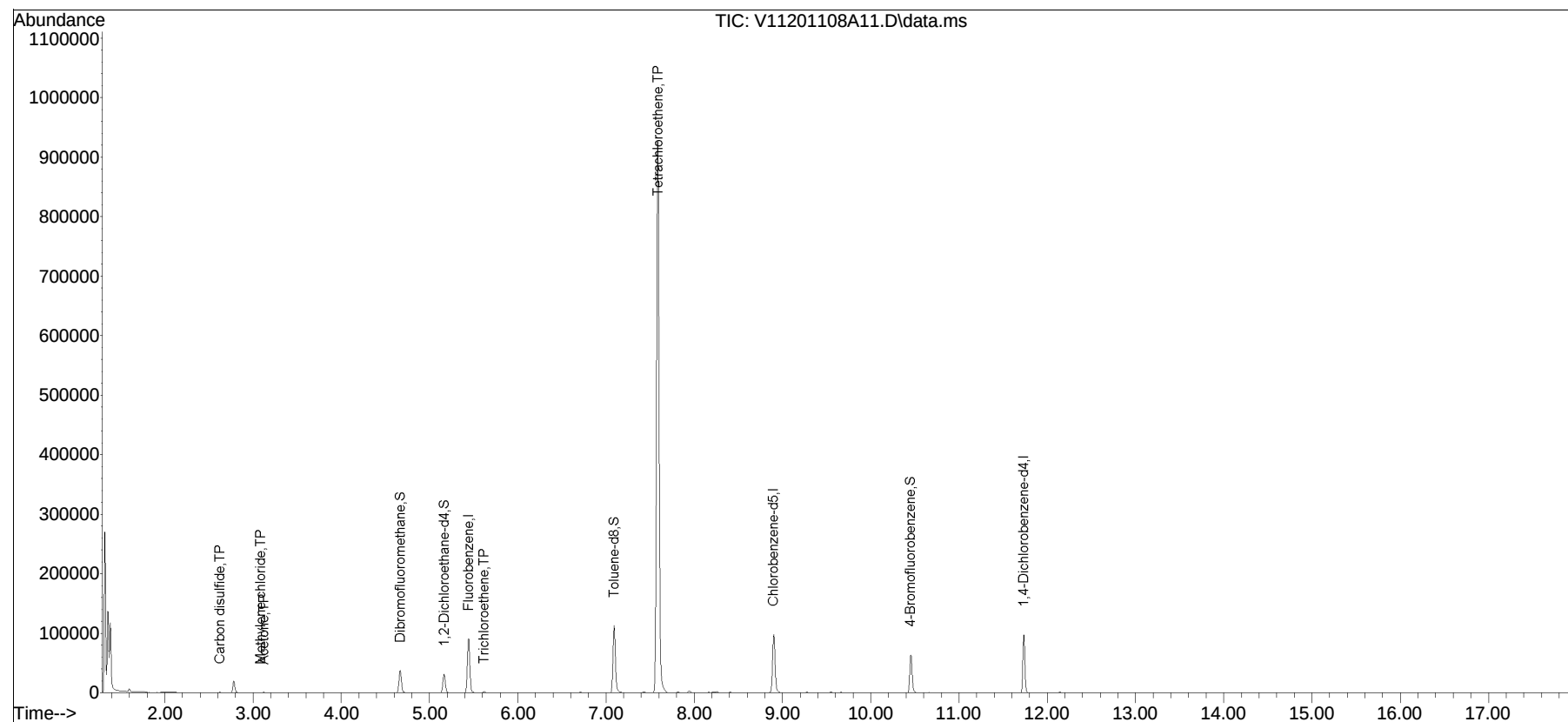
(#) = qualifier out of range (m) = manual integration (+) = signals summed

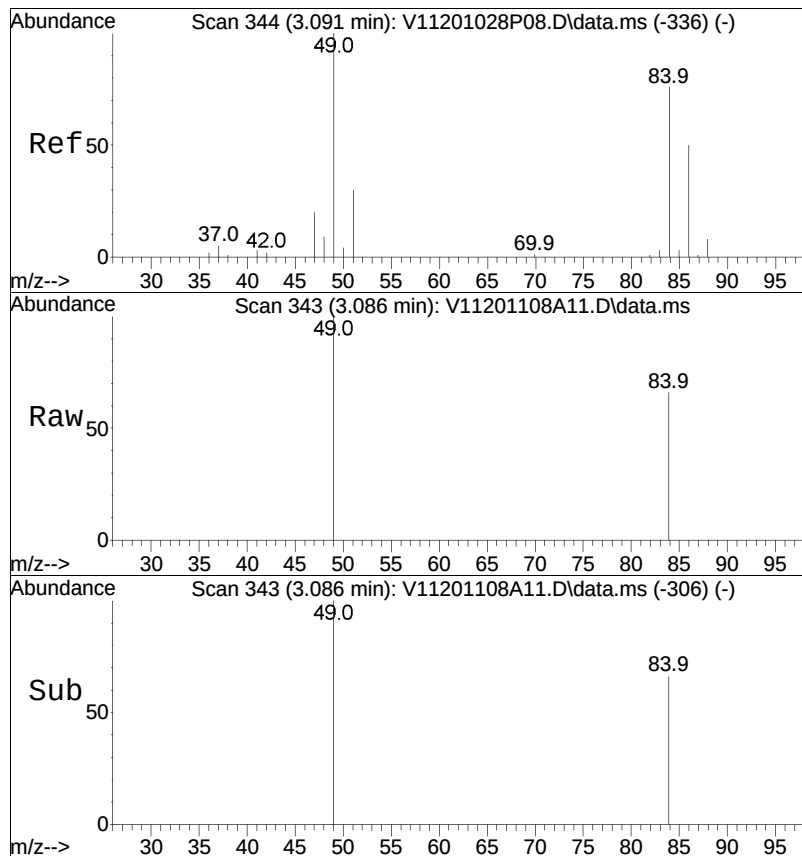
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A11.D
 Acq On : 08 Nov 2020 05:37 pm
 Operator : VOA111:JC
 Sample : l2049037-07,31,6.38,5,,b
 Misc : WG1431978,ICAL17294
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 09 06:27:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

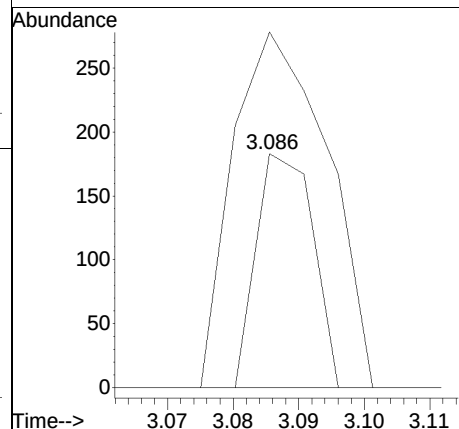
Sub List : 8260-NYTCL - Megamix plus Diox01108A\V11201108A01.D•

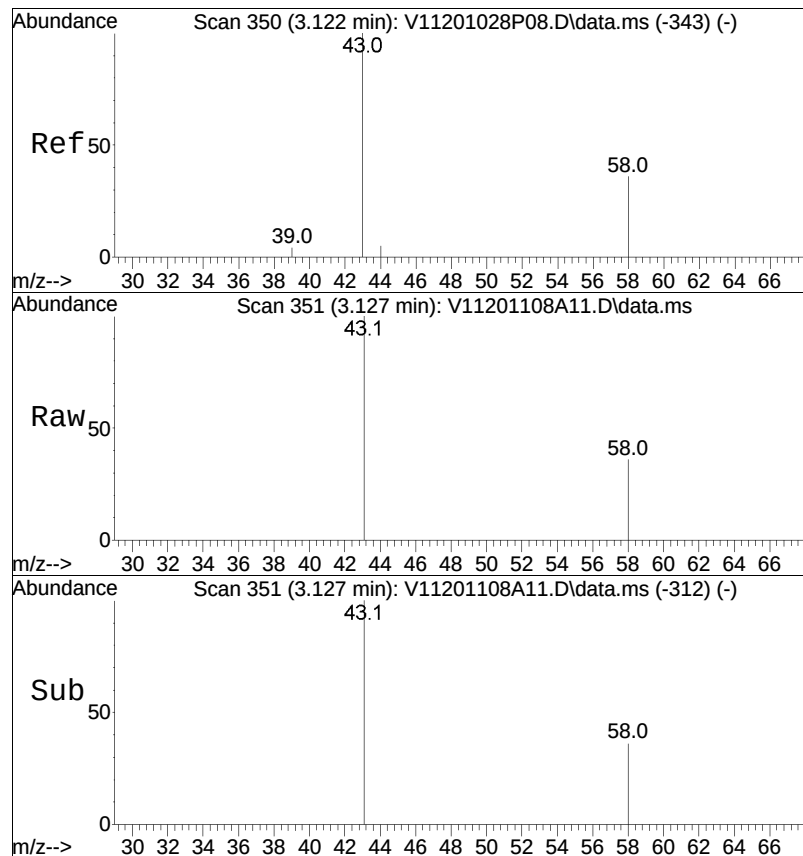




#15
Methylene chloride
Concen: 0.14 ug/L
RT: 3.086 min Scan# 343
Delta R.T. -0.005 min
Lab File: V11201108A11.D
Acq: 08 Nov 2020 05:37 pm

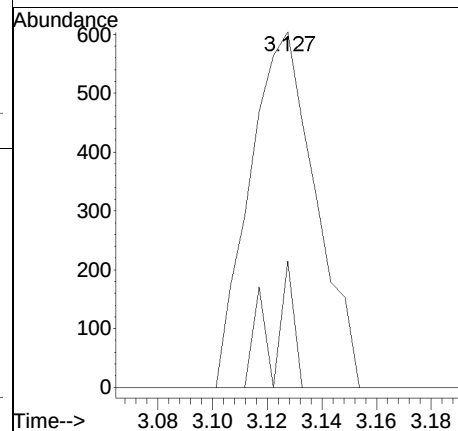
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	0.0	41.1	85.3#	
49	251.8	124.2	258.0	

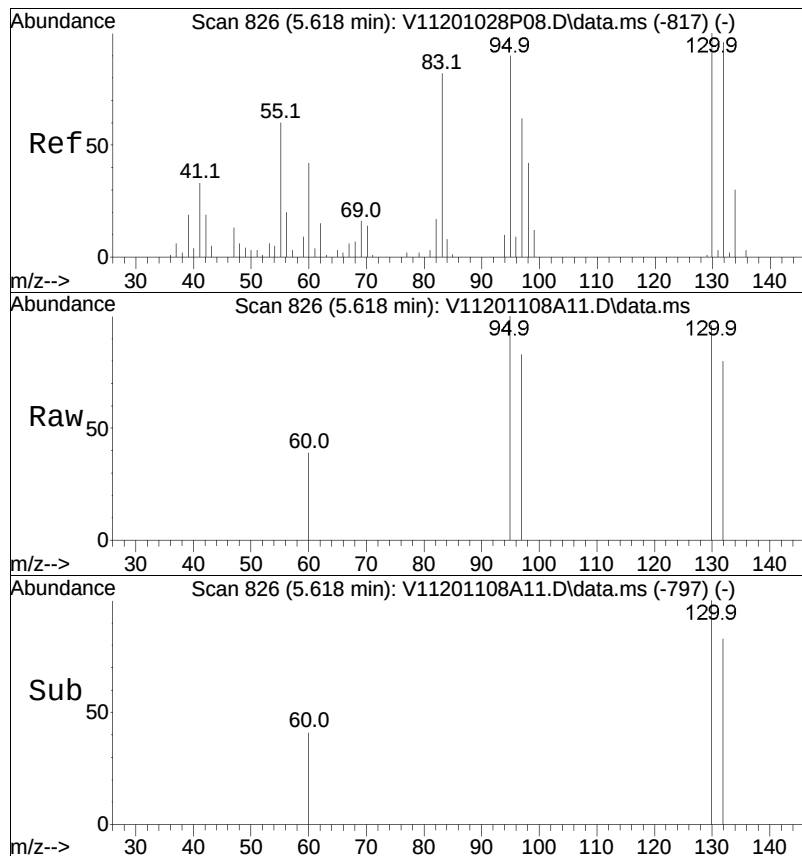




#17
 Acetone
 Concen: 4.32 ug/L
 RT: 3.127 min Scan# 351
 Delta R.T. 0.005 min
 Lab File: V11201108A11.D
 Acq: 08 Nov 2020 05:37 pm

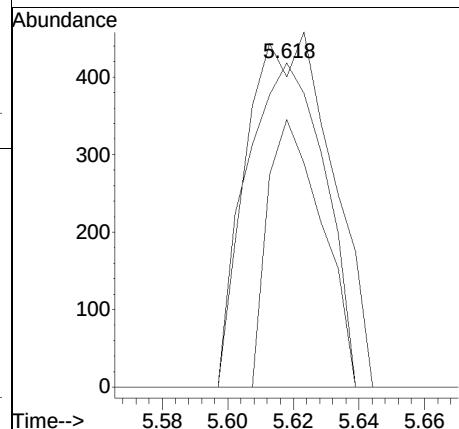
Tgt Ion	Ratio	Lower	Upper
43	100		
58	5.4	20.8	31.2#

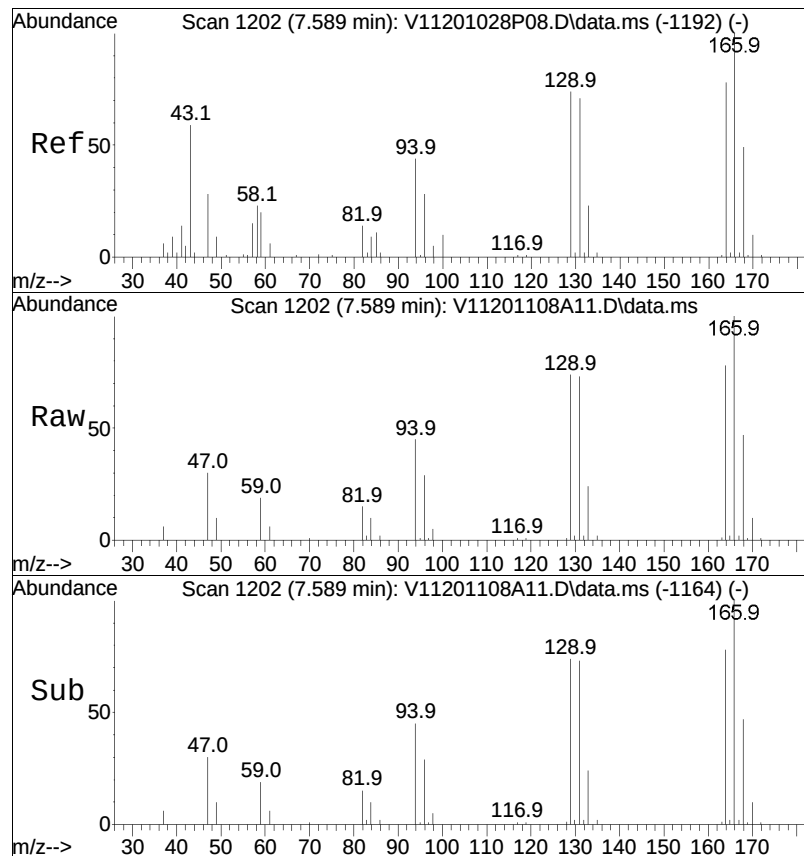




#48
 Trichloroethene
 Concen: 0.94 ug/L
 RT: 5.618 min Scan# 826
 Delta R.T. -0.000 min
 Lab File: V11201108A11.D
 Acq: 08 Nov 2020 05:37 pm

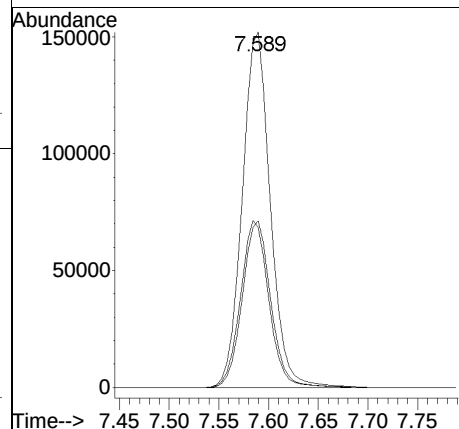
Tgt Ion	Ratio	Lower	Upper
95	100		
97	57.6	54.3	81.5
130	118.2	84.6	126.8





#63
 Tetrachloroethene
 Concen: 371.94 ug/L
 RT: 7.589 min Scan# 1202
 Delta R.T. 0.000 min
 Lab File: V11201108A11.D
 Acq: 08 Nov 2020 05:37 pm

Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.5	28.2	68.2
94	47.5	26.3	66.3



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20
Data File : V11201108A11.D Method : V111_201028P_8260.m
Date Inj'd : 11/8/2020 5:37 pm Operator : VOA111:JC
Sample : l2049037-07,31,6.38,5,,b Instrument : VOA111
Quant Date : 11/9/2020 6:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N20.D
 Acq On : 10 Nov 2020 01:05 am
 Operator : VOA111:NLK
 Sample : 12049037-07,31H,5.99,5,0.100,,a
 Misc : WG1432485,ICAL17294
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 10 09:05:20 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	80397	20.000	ug/L	0.00
Standard Area 1 = 96332			Recovery =	83.46%		
59) Chlorobenzene-d5	8.900	117	61000	20.000	ug/L	0.00
Standard Area 1 = 75779			Recovery =	80.50%		
79) 1,4-Dichlorobenzene-d4	11.737	152	26666	20.000	ug/L	0.00
Standard Area 1 = 40395			Recovery =	66.01%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	21038	20.534	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.67%		
43) 1,2-Dichloroethane-d4	5.162	65	21618	21.749	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	108.75%		
60) Toluene-d8	7.091	98	78354	19.950	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.75%		
83) 4-Bromofluorobenzene	10.452	95	24193	21.087	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	105.43%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
15) Methylene chloride	3.080	84	264	0.343	ug/L #	84
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	5.618	95	573	0.806	ug/L	93
57) 1,4-Dioxane	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
63) Tetrachloroethene	7.584	166	290505	385.430	ug/L	98
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N20.D
 Acq On : 10 Nov 2020 01:05 am
 Operator : VOA111:NLK
 Sample : 12049037-07,31H,5.99,5,0.100,,a
 Misc : WG1432485,ICAL17294
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 10 09:05:20 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.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	0.000		0		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.	

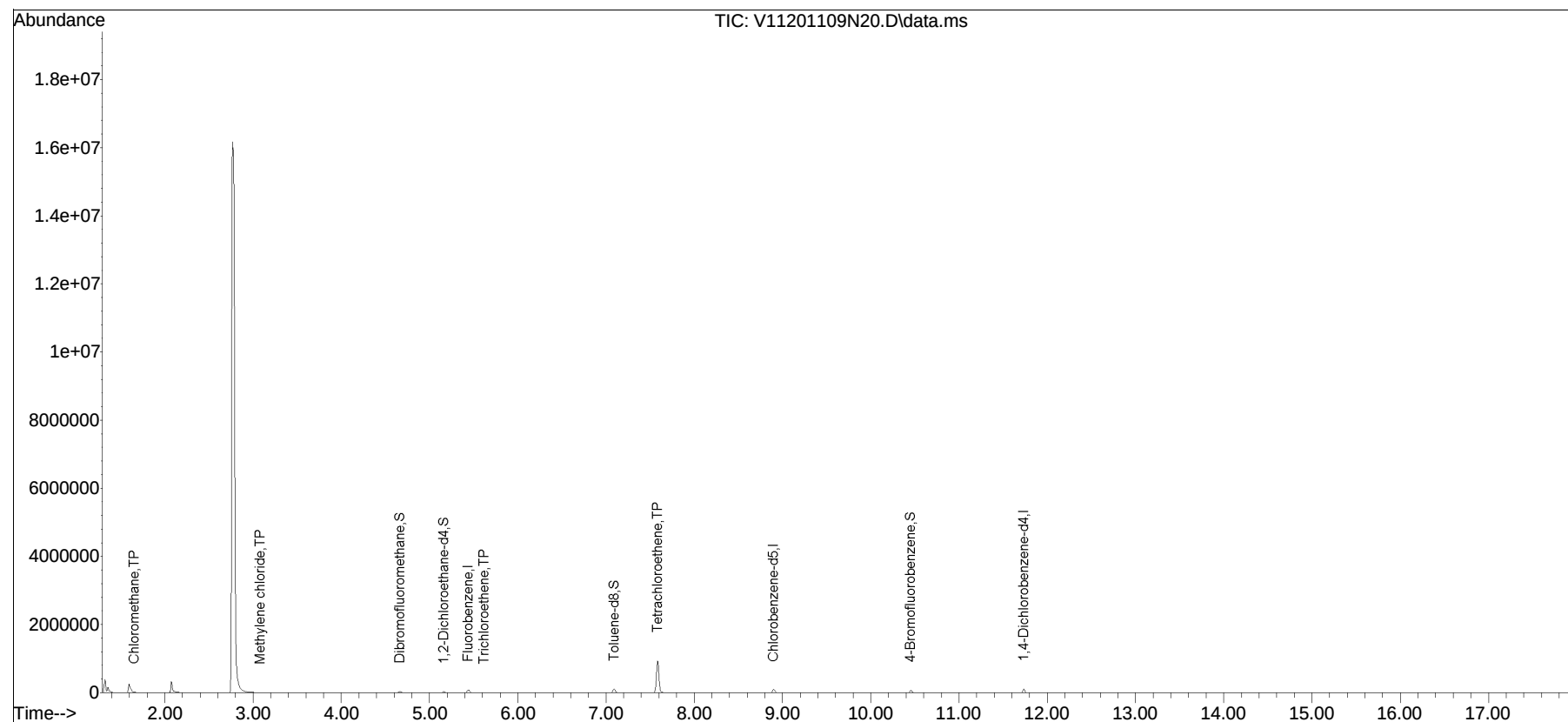
(#) = qualifier out of range (m) = manual integration (+) = signals summed

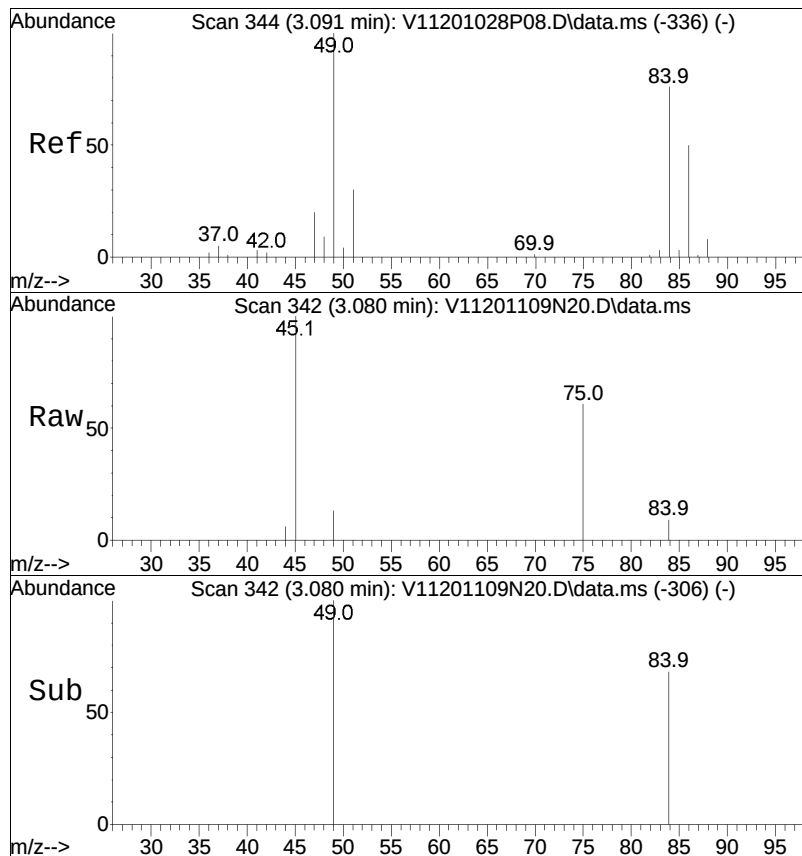
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N20.D
 Acq On : 10 Nov 2020 01:05 am
 Operator : VOA111:NLK
 Sample : 12049037-07,31H,5.99,5,0.100,,a
 Misc : WG1432485,ICAL17294
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 10 09:05:20 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

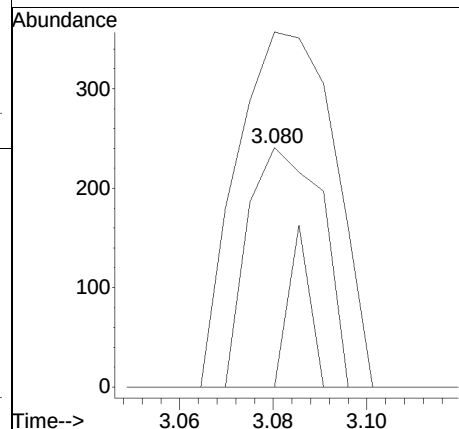
Sub List : 8260-NYTCL - Megamix plus Diox01109N\V11201109N01.D•

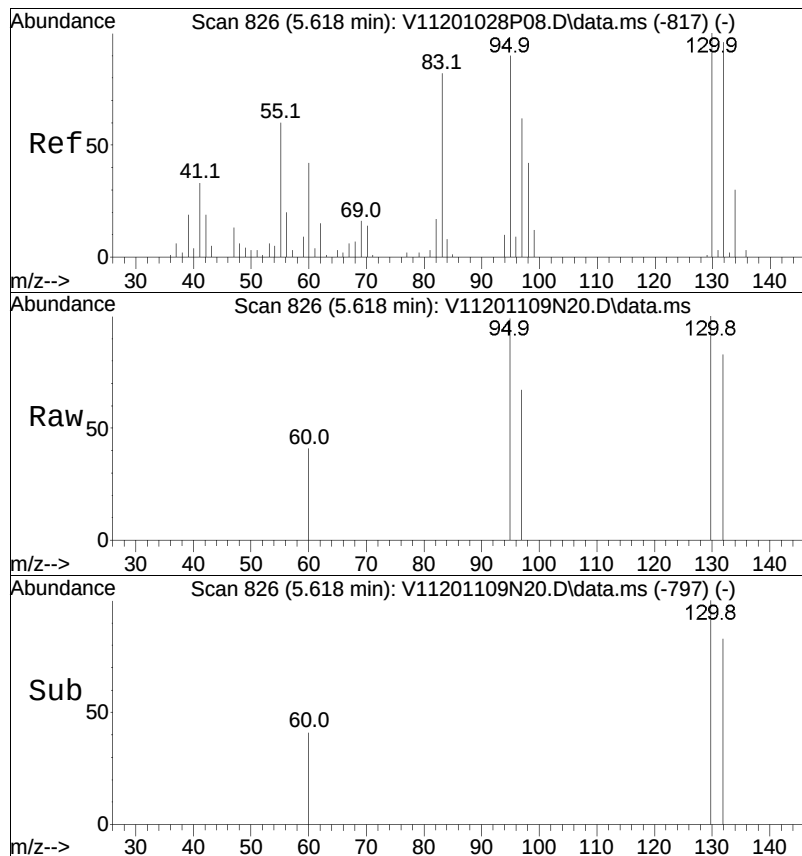




#15
 Methylene chloride
 Concen: 0.34 ug/L
 RT: 3.080 min Scan# 342
 Delta R.T. -0.011 min
 Lab File: V11201109N20.D
 Acq: 10 Nov 2020 01:05 am

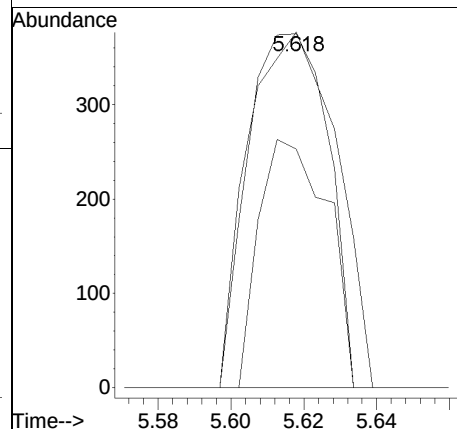
Tgt Ion	Ratio	Lower	Upper
84	100		
86	19.3	41.1	85.3#
49	195.8	124.2	258.0

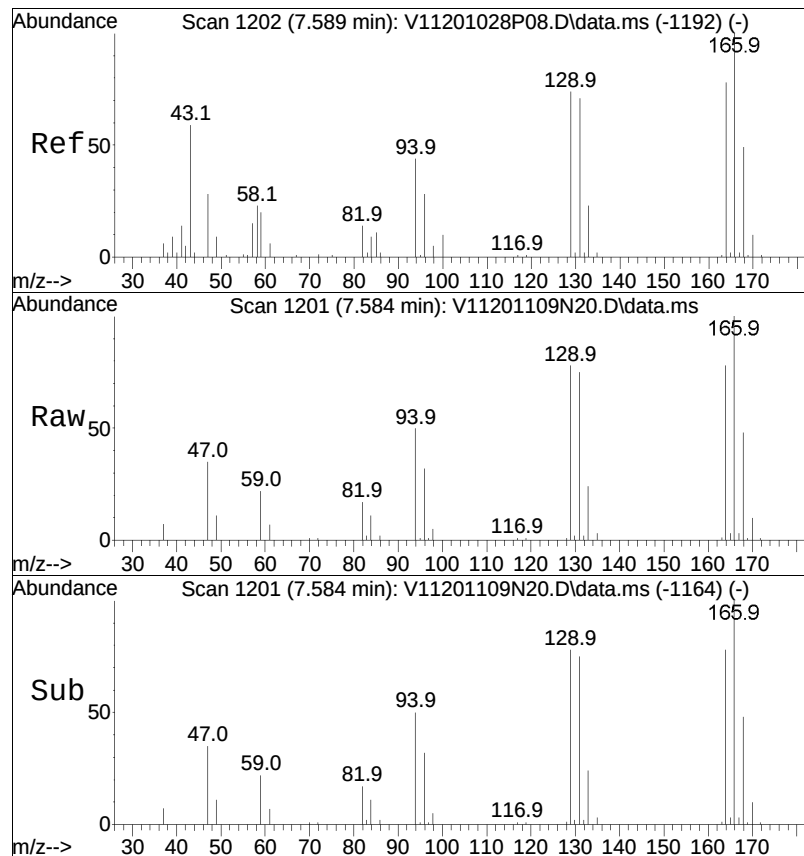




#48
 Trichloroethene
 Concen: 0.81 ug/L
 RT: 5.618 min Scan# 826
 Delta R.T. -0.000 min
 Lab File: V11201109N20.D
 Acq: 10 Nov 2020 01:05 am

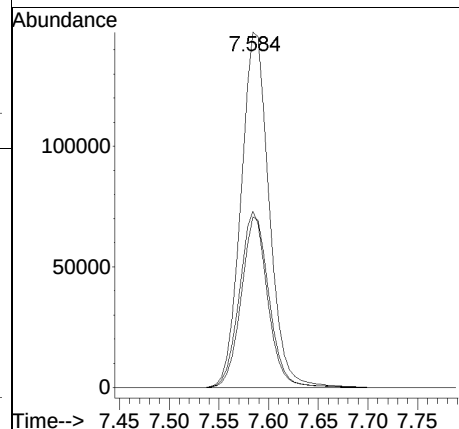
Tgt Ion:	95	Resp:	573
Ion Ratio	Lower	Upper	
95	100		
97	60.0	54.3	81.5
130	110.6	84.6	126.8





#63
 Tetrachloroethene
 Concen: 385.43 ug/L
 RT: 7.584 min Scan# 1201
 Delta R.T. -0.005 min
 Lab File: V11201109N20.D
 Acq: 10 Nov 2020 01:05 am

Tgt	Ion:166	Resp:	290505
Ion	Ratio	Lower	Upper
166	100		
168	47.8	28.2	68.2
94	49.1	26.3	66.3



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201109N20.D Operator : VOA111:NLK
Date Inj'd : 11/10/2020 1:05 am Instrument : VOA111
Sample : l2049037-07,31H,5.99,5,0.1Quant Date : 11/10/2020 8:13 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N09.D
 Acq On : 9 Nov 2020 9:58 pm
 Operator : VOA104:JC
 Sample : 12049037-11,31,5.28,5,,c
 Misc : WG1432466,ICAL16845
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 10 08:22:58 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	169775	20.000	ug/L	0.00
Standard Area 1 = 179103			Recovery =	94.79%		
59) Chlorobenzene-d5	9.110	117	107438	20.000	ug/L	0.00
Standard Area 1 = 129054			Recovery =	83.25%		
79) 1,4-Dichlorobenzene-d4	11.894	152	41160	20.000	ug/L	0.00
Standard Area 1 = 65943			Recovery =	62.42%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	42675	17.425	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	87.13%		
43) 1,2-Dichloroethane-d4	5.356	65	39631	19.562	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.81%		
60) Toluene-d8	7.280	98	151581	21.239	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.19%		
83) 4-Bromofluorobenzene	10.646	95	45527	24.227	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	121.13%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
15) Methylene chloride	3.222	84	625	0.251	ug/L	82
17) Acetone	3.269	43	11034	27.814	ug/L	99
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.	d	
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.801	95	864	0.324	ug/L #	84
57) 1,4-Dioxane	0.000		0	N.D.		
61) Toluene	7.348	92	238	N.D.		
63) Tetrachloroethene	7.778	166	28364	12.694	ug/L	99
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N09.D
 Acq On : 9 Nov 2020 9:58 pm
 Operator : VOA104:JC
 Sample : 12049037-11,31,5.28,5,,c
 Misc : WG1432466,ICAL16845
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 10 08:22:58 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.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	0.000		0		N.D.	
90)	1,3,5-Trimethylbenzene	11.055	105	56		N.D.	
94)	tert-Butylbenzene	0.000		0		N.D.	
97)	1,2,4-Trimethylbenzene	11.485	105	589	0.100	ug/L	# 59
98)	sec-Butylbenzene	11.584	105	103		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
103)	n-Butylbenzene	12.214	91	306		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	

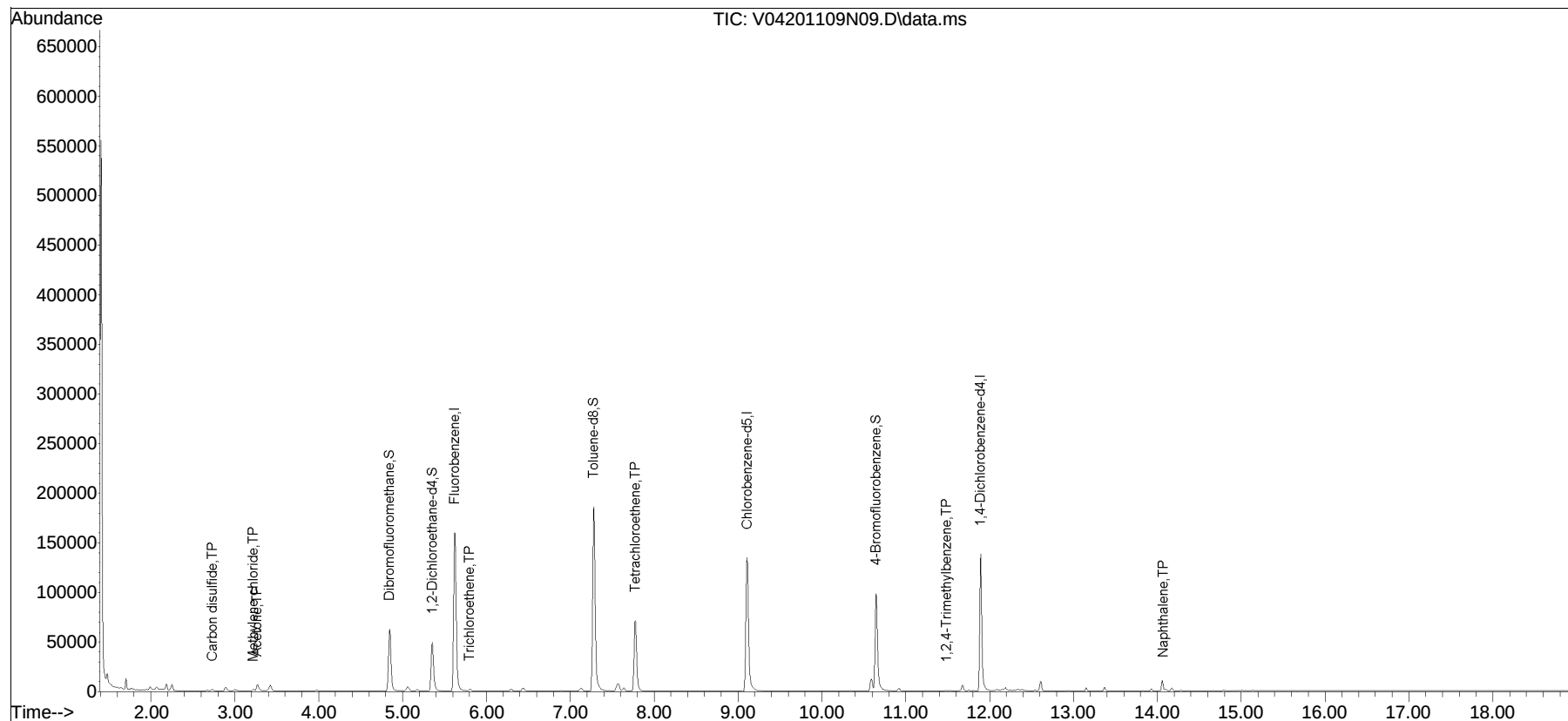
(#) = qualifier out of range (m) = manual integration (+) = signals summed

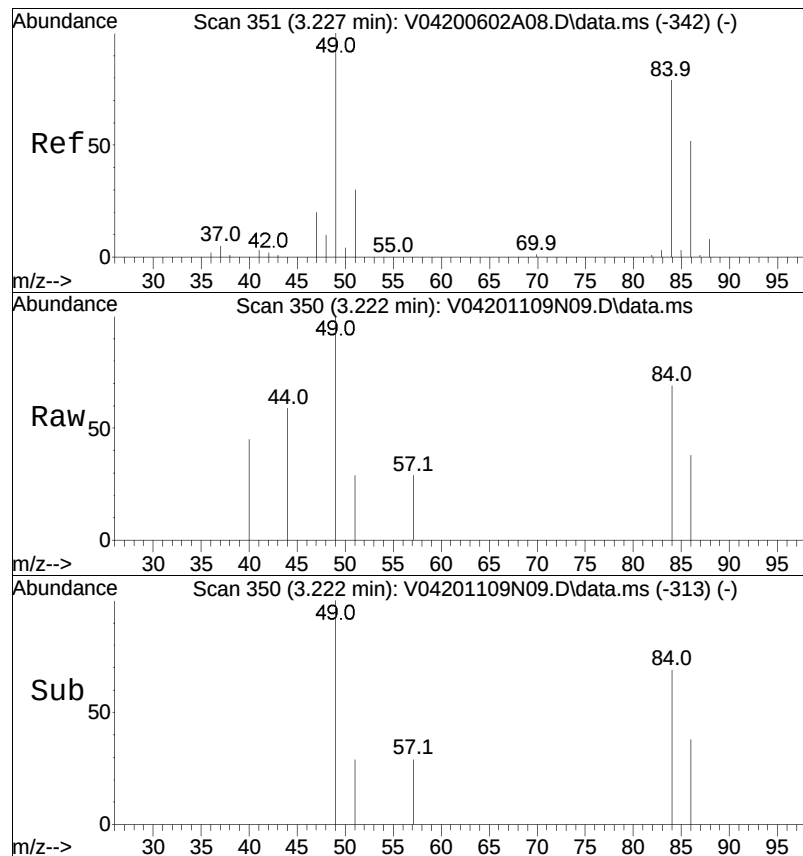
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N09.D
 Acq On : 9 Nov 2020 9:58 pm
 Operator : VOA104:JC
 Sample : l2049037-11,31,5.28,5,,c
 Misc : WG1432466,ICAL16845
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 10 08:22:58 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

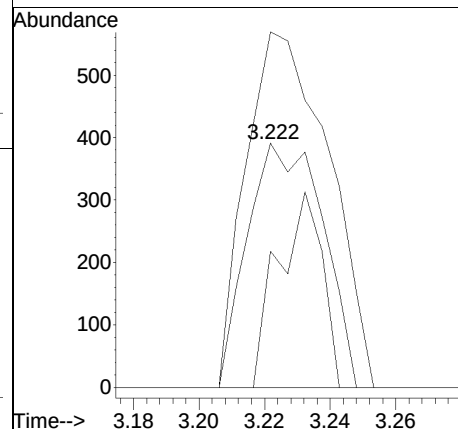
Sub List : 8260-NYTCL - Megamix plus Diox01109N\V04201109N01.D•

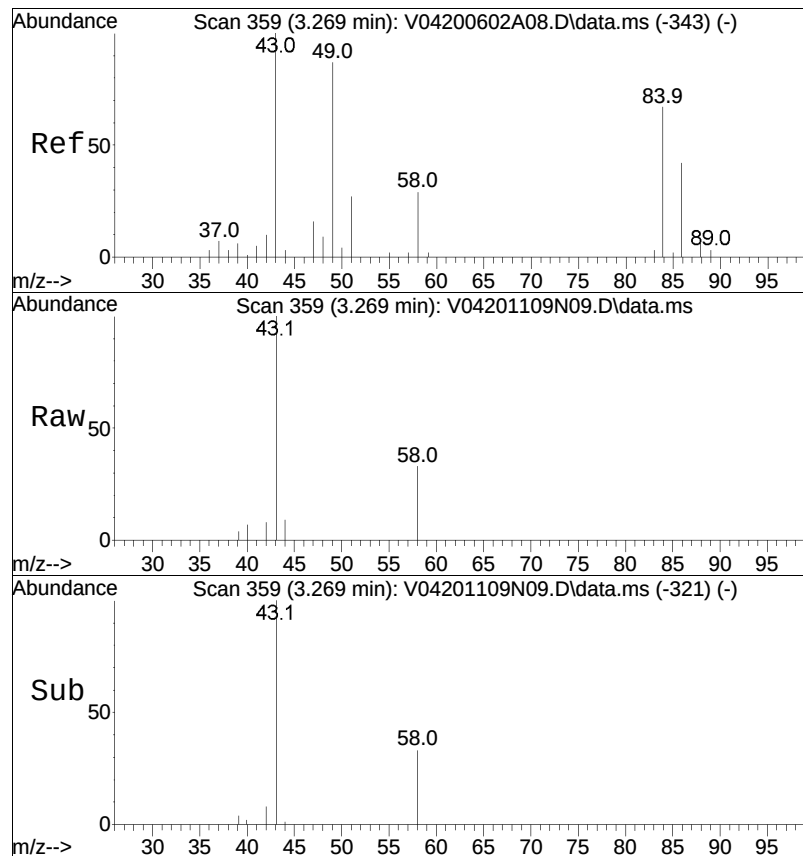




#15
 Methylene chloride
 Concen: 0.25 ug/L
 RT: 3.222 min Scan# 350
 Delta R.T. -0.005 min
 Lab File: V04201109N09.D
 Acq: 9 Nov 2020 9:58 pm

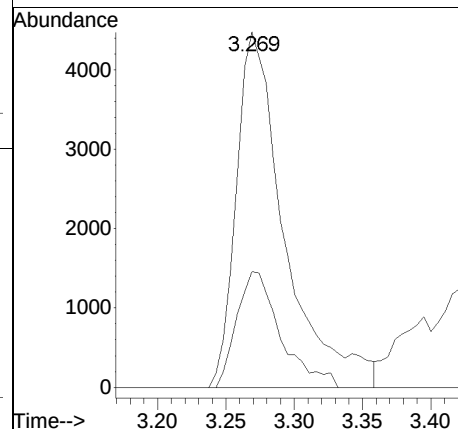
Tgt	Ion: 84	Resp:	625
Ion	Ratio	Lower	Upper
84	100		
86	46.9	41.3	85.9
49	159.5	91.0	189.0

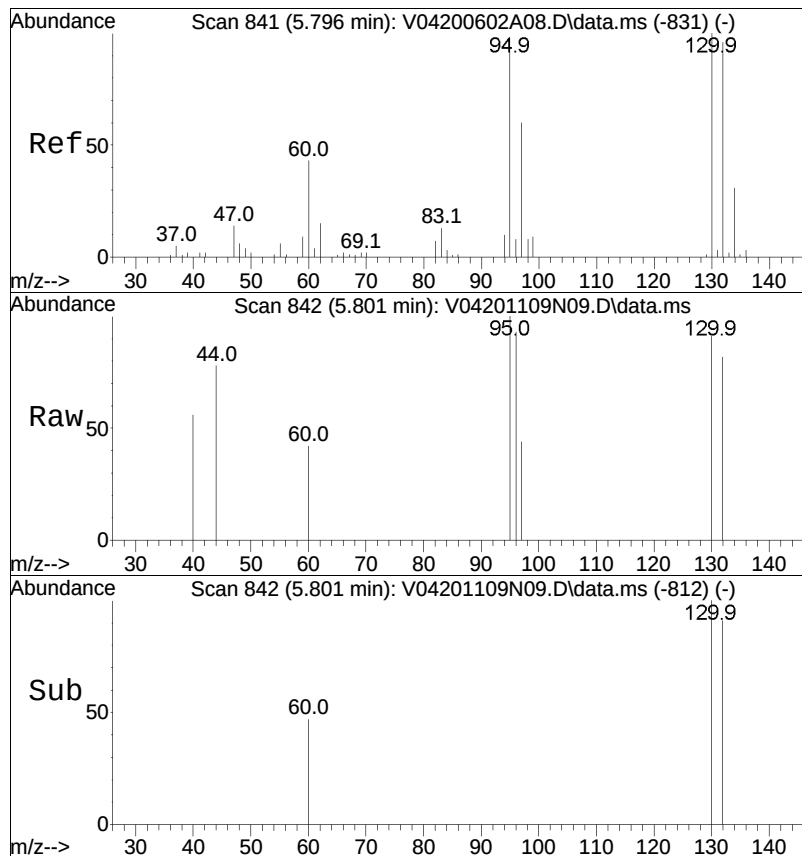




#17
 Acetone
 Concen: 27.81 ug/L
 RT: 3.269 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: V04201109N09.D
 Acq: 9 Nov 2020 9:58 pm

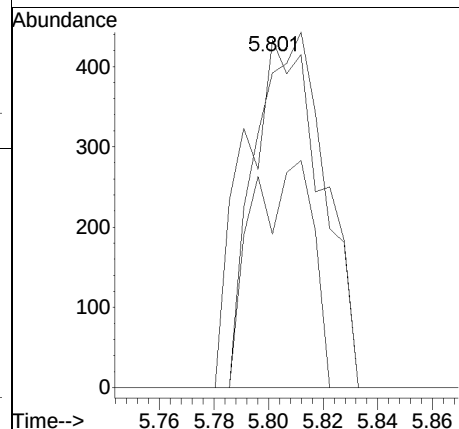
Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.2	34.8

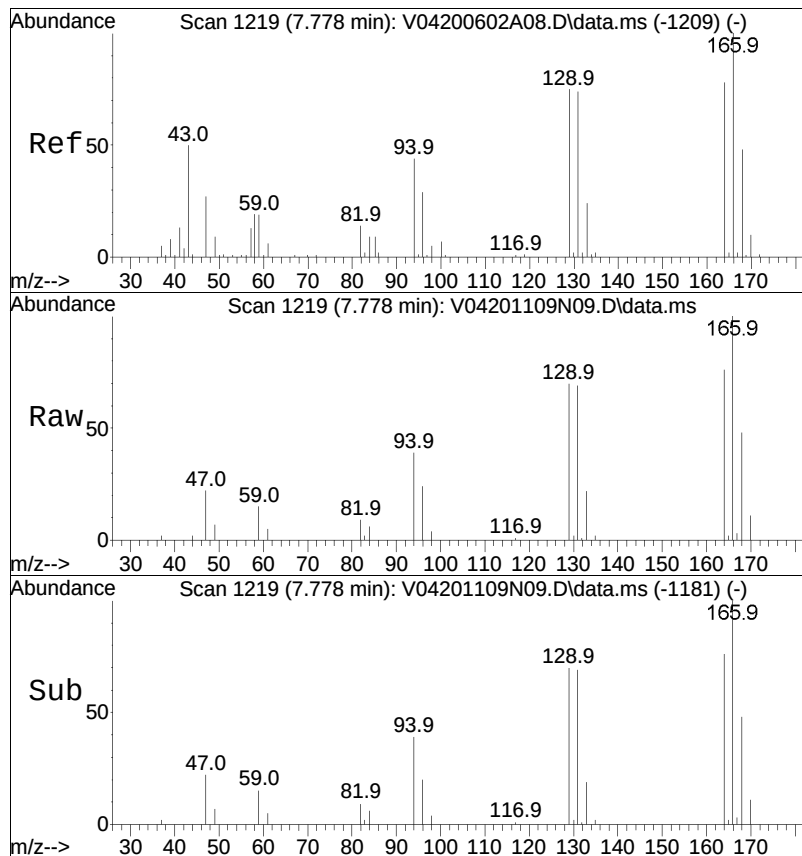




#48
 Trichloroethene
 Concen: 0.32 ug/L
 RT: 5.801 min Scan# 842
 Delta R.T. 0.005 min
 Lab File: V04201109N09.D
 Acq: 9 Nov 2020 9:58 pm

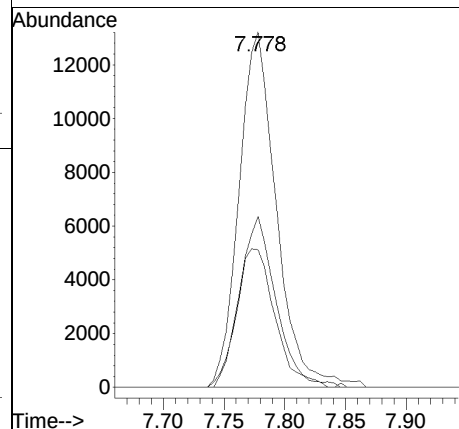
Tgt Ion	Ratio	Lower	Upper
95	100		
97	50.6	53.9	80.9#
130	91.1	83.1	124.7

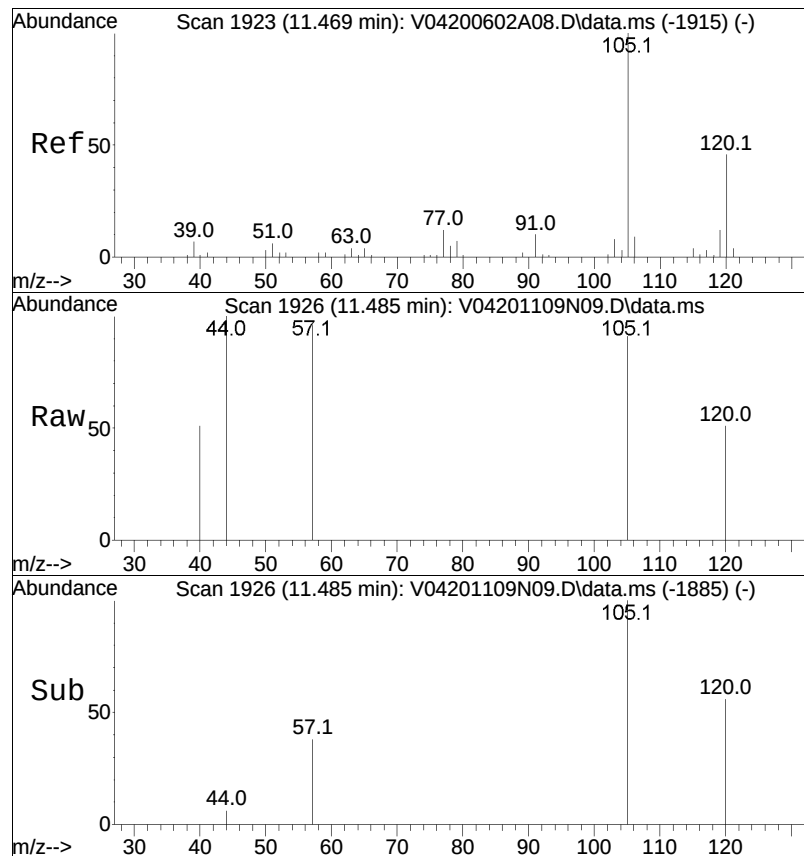




#63
Tetrachloroethene
Concen: 12.69 ug/L
RT: 7.778 min Scan# 1219
Delta R.T. -0.000 min
Lab File: V04201109N09.D
Acq: 9 Nov 2020 9:58 pm

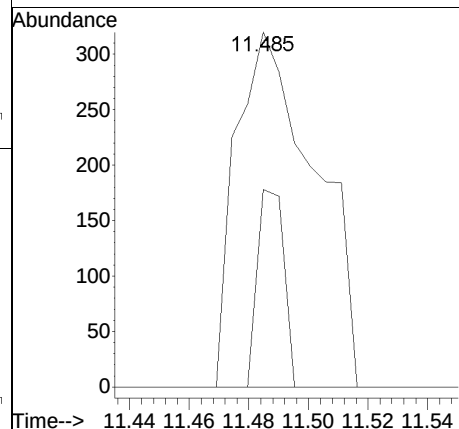
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	28364		
168	46.4		27.6	67.6
94	40.5		20.9	60.9





#97
 1,2,4-Trimethylbenzene
 Concen: 0.10 ug/L
 RT: 11.485 min Scan# 1926
 Delta R.T. 0.016 min
 Lab File: V04201109N09.D
 Acq: 9 Nov 2020 9:58 pm

Tgt Ion	Ratio	Lower	Upper
105	100		
120	18.7	36.4	54.6#



Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2020\20
Data File : V04201109N09.D Method : V104_200602B_8260.m
Date Inj'd : 11/9/2020 9:58 pm Operator : VOA104:JC
Sample : l2049037-11,31,5.28,5,,c Instrument : VOA 104
Quant Date : 11/10/2020 8:04 am

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

(QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
Data File : V11201110A11.D
Acq On : 10 Nov 2020 10:04 am
Operator : VOA111:JC
Sample : l2049037-07D, 31H, 5.99, 5, 0.050,, a
Misc : WG1432524, ICAL17294
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 10 11:15:45 2020
Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 29 12:26:02 2020
Response via : Initial Calibration

```
CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
Sub List      : 8260-PCE - PCE only
```

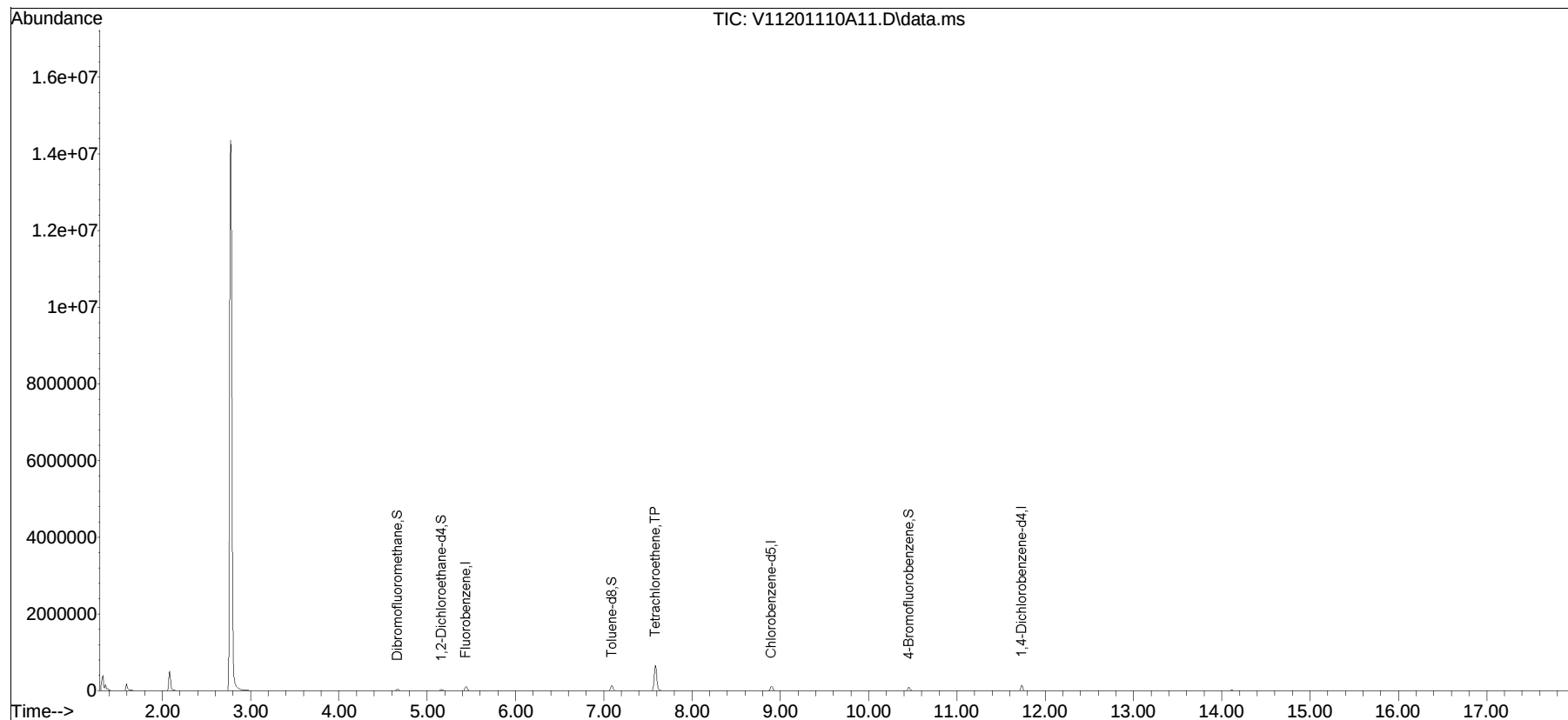
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.440	96	103343	20.000	ug/L	0.00
Standard Area 1 = 93534			Recovery =	110.49%		
59) Chlorobenzene-d5	8.900	117	80942	20.000	ug/L	0.00
Standard Area 1 = 73363			Recovery =	110.33%		
79) 1,4-Dichlorobenzene-d4	11.737	152	38756	20.000	ug/L	0.00
Standard Area 1 = 39230			Recovery =	98.79%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	25553	19.403	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.02%		
43) 1,2-Dichloroethane-d4	5.162	65	24638	19.284	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	96.42%		
60) Toluene-d8	7.091	98	100126	19.213	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	96.06%		
83) 4-Bromofluorobenzene	10.457	95	33635	20.171	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.86%		
Target Compounds						
63) Tetrachloroethene	7.584	166	222687	222.660	ug/L	98
Qvalue						
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

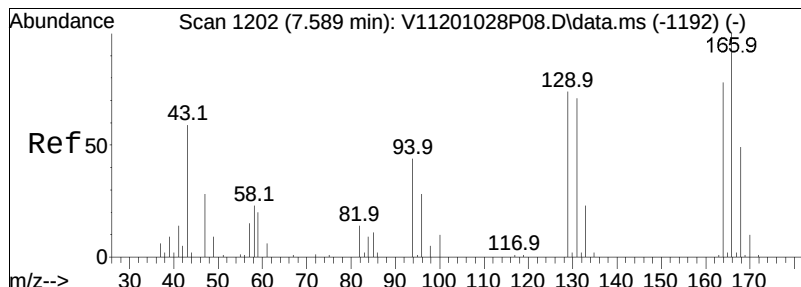
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A11.D
 Acq On : 10 Nov 2020 10:04 am
 Operator : VOA111:JC
 Sample : l2049037-07D,31H,5.99,5,0.050,,a
 Misc : WG1432524,ICAL17294
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 10 11:15:45 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

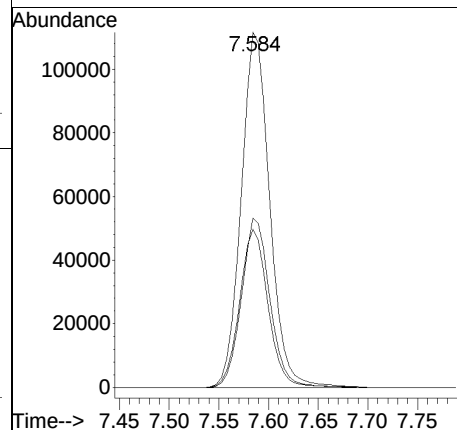
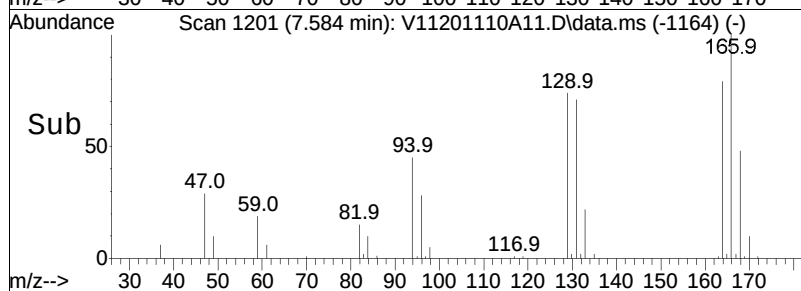
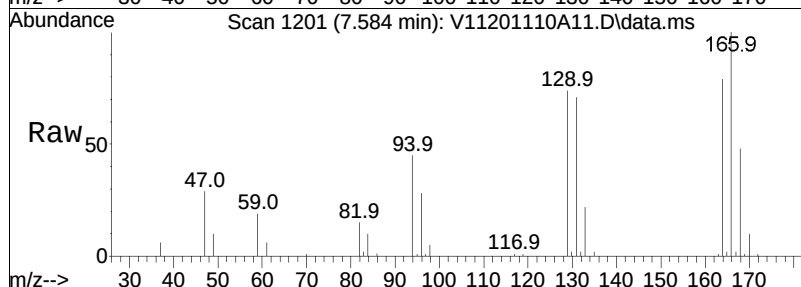
Sub List : 8260-PCE - PCE onlyA111\2020\201110A\V11201110A01.D•





#63
Tetrachloroethene
Concen: 222.66 ug/L
RT: 7.584 min Scan# 1201
Delta R.T. -0.005 min
Lab File: V11201110A11.D
Acq: 10 Nov 2020 10:04 am

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	222687		
168	47.6	28.2	68.2	
94	44.3	26.3	66.3	



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201110A11.D Operator : VOA111:JC
Date Inj'd : 11/10/2020 10:04 am Instrument : VOA111
Sample : l2049037-07D,31H,5.99,5,0.Quant Date : 11/10/2020 11:15 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A06.D
 Acq On : 11 Nov 2020 02:07 pm
 Operator : VOA126:KJD
 Sample : 12049037-08,31,5.35,5,,b
 Misc : WG1433193,ICAL17233
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 15:41:42 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	11.535	96	645691	20.000	ug/L	0.00
Standard Area 1 = 649332			Recovery	=	99.44%	
63) Chlorobenzene-d5	18.234	117	480451	20.000	ug/L	0.00
Standard Area 1 = 479872			Recovery	=	100.12%	
88) 1,4-Dichlorobenzene-d4	23.889	152	237786	20.000	ug/L	0.00
Standard Area 1 = 248168			Recovery	=	95.82%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.904	113	155164	18.338	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	91.69%	
47) 1,2-Dichloroethane-d4	10.902	65	141533	19.483	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	97.42%	
65) Toluene-d8	14.871	98	627369	20.559	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.80%	
92) 4-Bromofluorobenzene	21.070	95	218519	20.680	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	103.40%	
Target Compounds						
						Qvalue
5) Vinyl chloride	0.000		0	N.D.		
11) 1,1-Dichloroethene	0.000		0	N.D.		
17) Methylene chloride	6.591	84	5602M1	0.782	ug/L	
19) Acetone	5.484	43	14501	10.254	ug/L #	66
20) trans-1,2-Dichloroethene	0.000		0	N.D.		
23) Methyl tert-butyl ether	0.000		0	N.D.		
26) 1,1-Dichloroethane	0.000		0	N.D.		
31) cis-1,2-Dichloroethene	0.000		0	N.D.		
35) Chloroform	9.463	83	768	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	8.844	43	2960	1.507	ug/L #	60
45) Benzene	11.112	78	585	N.D.		
48) 1,2-Dichloroethane	11.100	62	54	N.D.		
52) Trichloroethene	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
66) Toluene	15.041	92	2156	0.124	ug/L	95
68) Tetrachloroethene	16.469	166	16903	2.028	ug/L	99
82) Chlorobenzene	18.329	112	434	N.D.		
83) Ethylbenzene	18.446	91	1396	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A06.D
 Acq On : 11 Nov 2020 02:07 pm
 Operator : VOA126:KJD
 Sample : 12049037-08,31,5.35,5,,b
 Misc : WG1433193,ICAL17233
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 15:41:42 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
85)	p/m Xylene	18.616	106	627		N.D.	
86)	o Xylene	19.625	106	129		N.D.	
95)	n-Propylbenzene	21.427	91	177		N.D.	
100)	1,3,5-Trimethylbenzene	21.820	105	152		N.D.	
104)	tert-Butylbenzene	0.000		0		N.D.	
107)	1,2,4-Trimethylbenzene	22.749	105	1718		N.D.	
109)	sec-Butylbenzene	23.167	105	31		N.D.	
111)	1,3-Dichlorobenzene	23.719	146	186		N.D.	
112)	1,4-Dichlorobenzene	23.959	146	891		N.D.	
116)	n-Butylbenzene	24.478	91	215		N.D.	
118)	1,2-Dichlorobenzene	24.812	146	135		N.D.	

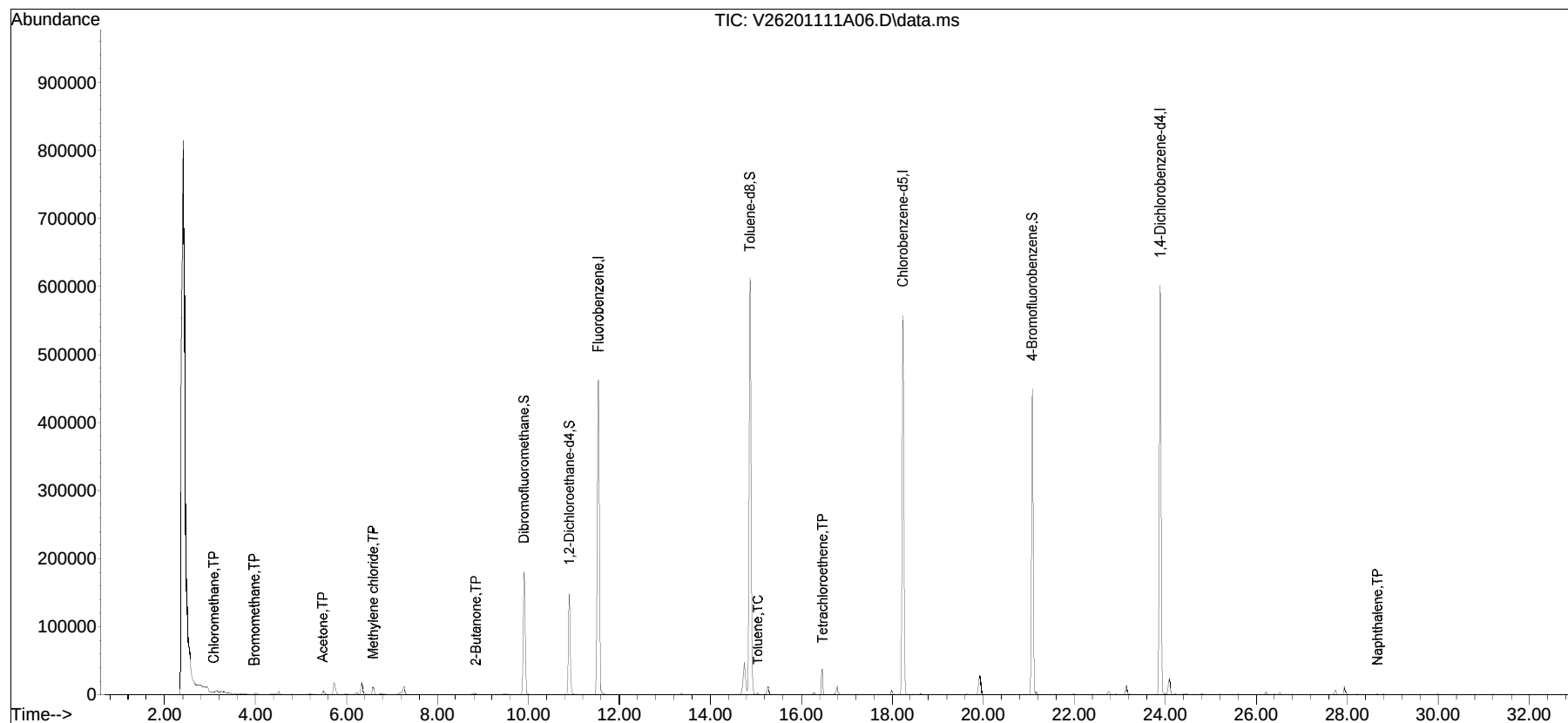
(#) = qualifier out of range (m) = manual integration (+) = signals summed

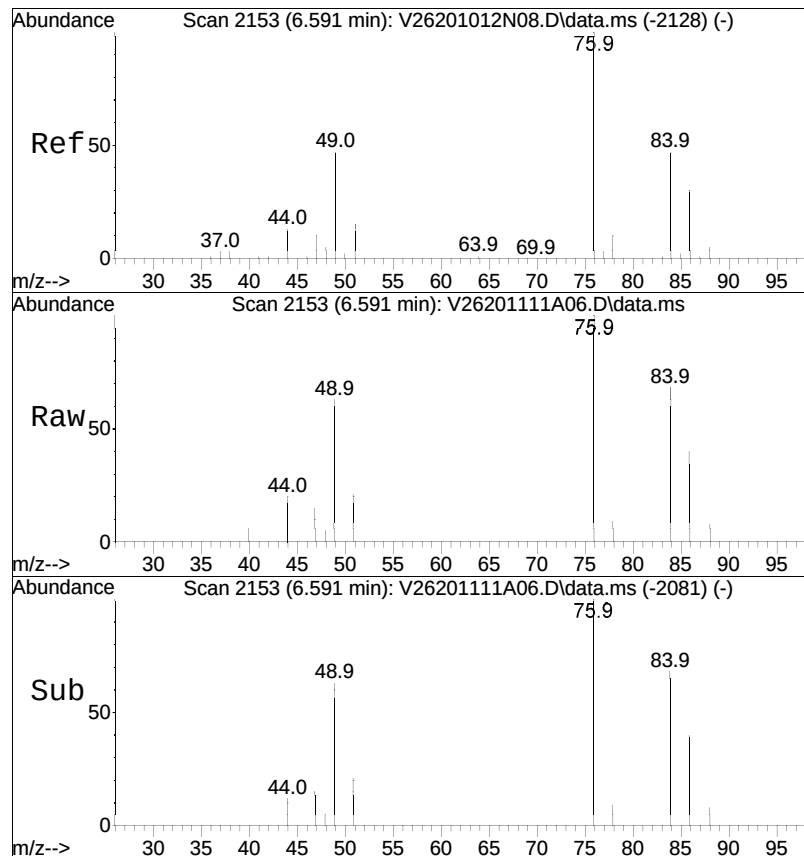
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A06.D
 Acq On : 11 Nov 2020 02:07 pm
 Operator : VOA126:KJD
 Sample : l2049037-08,31,5.35,5,,b
 Misc : WG1433193,ICAL17233
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 15:41:42 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

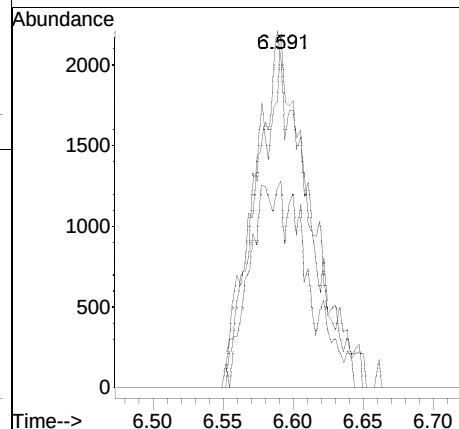
Sub List : 8260-NYTCL - Megamix plus Diox01111A\V26201111A01.D•

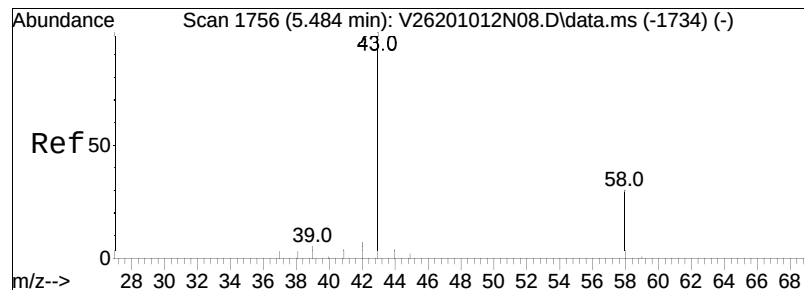




#17
Methylene chloride
Concen: 0.78 ug/L M1
RT: 6.591 min Scan# 2153
Delta R.T. 0.000 min
Lab File: V26201111A06.D
Acq: 11 Nov 2020 02:07 pm

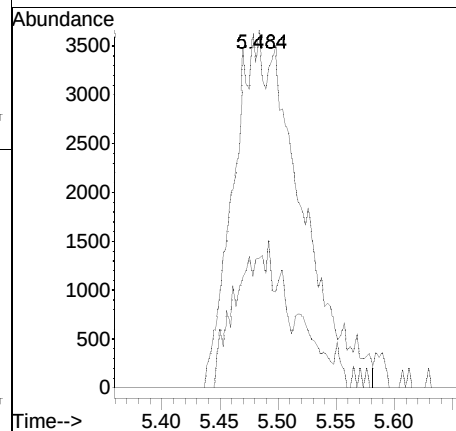
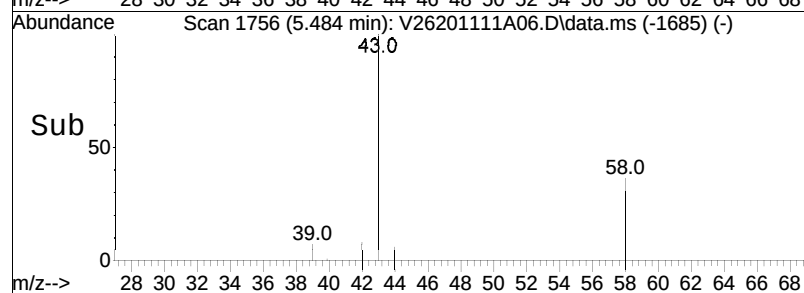
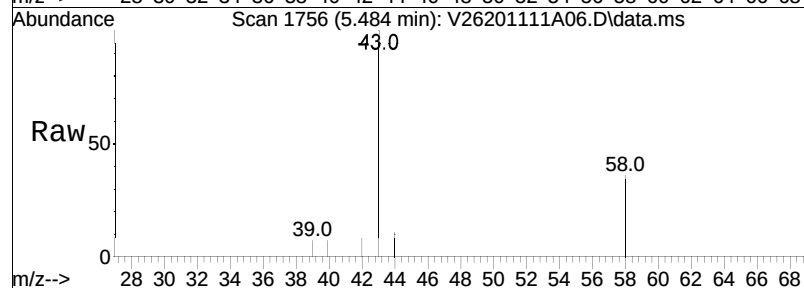
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	57.5	41.9	87.1	
49	104.1	88.1	183.1	

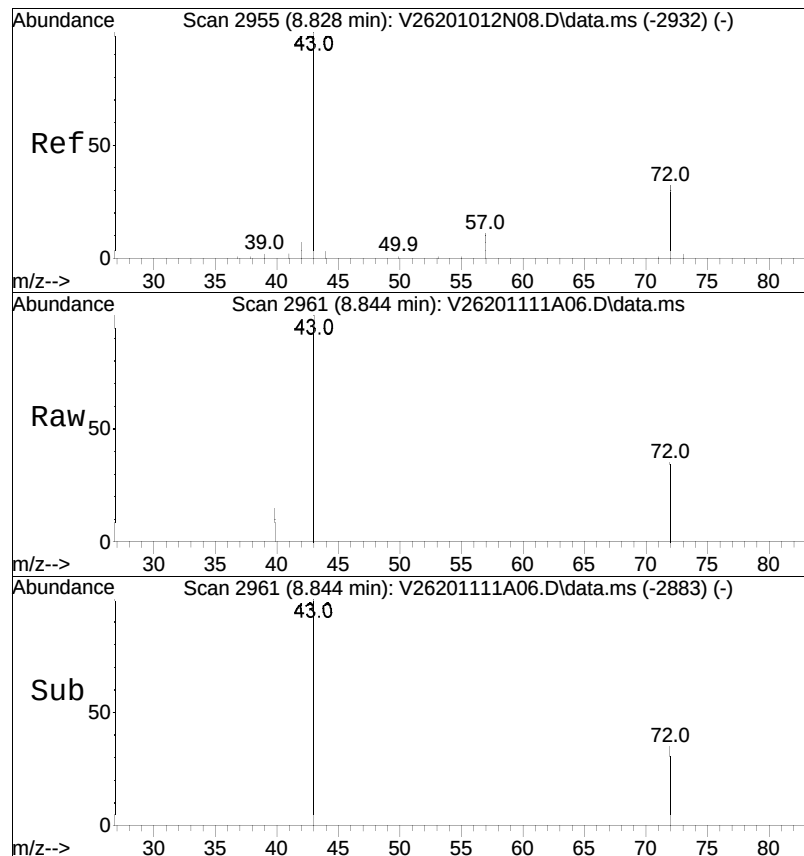




#19
Acetone
Concen: 10.25 ug/L
RT: 5.484 min Scan# 1756
Delta R.T. 0.000 min
Lab File: V26201111A06.D
Acq: 11 Nov 2020 02:07 pm

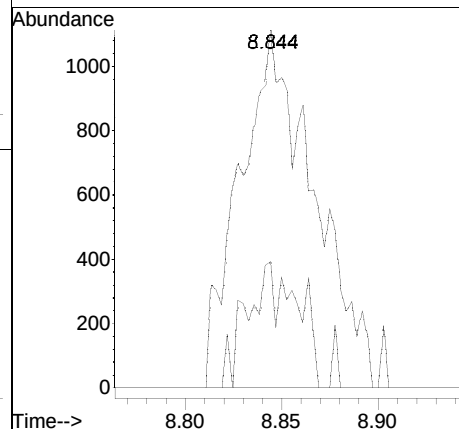
Tgt Ion: 43 Resp: 14501
Ion Ratio Lower Upper
43 100
58 12.0 24.6 37.0#

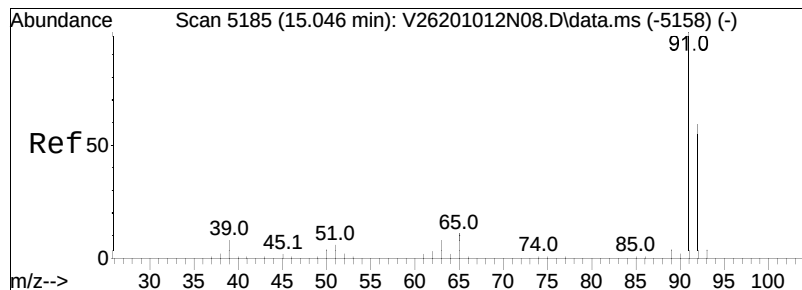




#42
 2-Butanone
 Concen: 1.51 ug/L
 RT: 8.844 min Scan# 2961
 Delta R.T. 0.016 min
 Lab File: V26201111A06.D
 Acq: 11 Nov 2020 02:07 pm

Tgt Ion: 43 Resp: 2960
 Ion Ratio Lower Upper
 43 100
 72 4.1 18.7 28.1#





#66

Toluene

Concen: 0.12 ug/L

RT: 15.041 min Scan# 5183

Delta R.T. -0.005 min

Lab File: V26201111A06.D

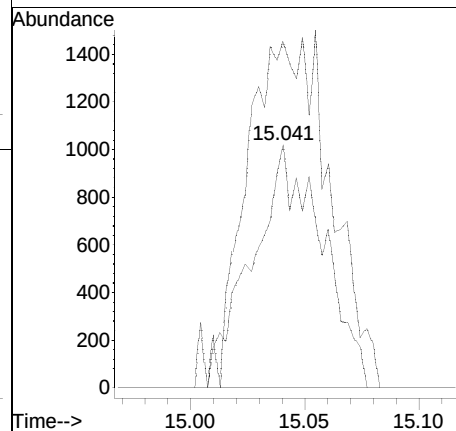
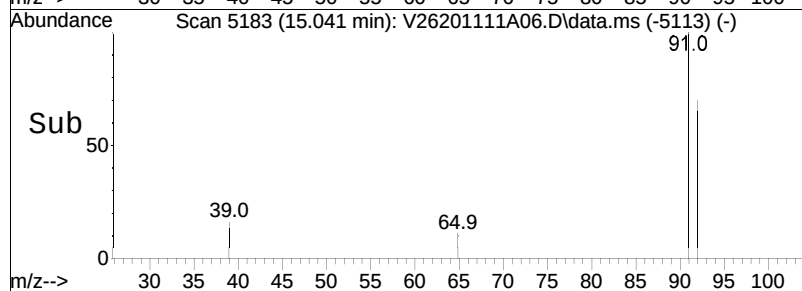
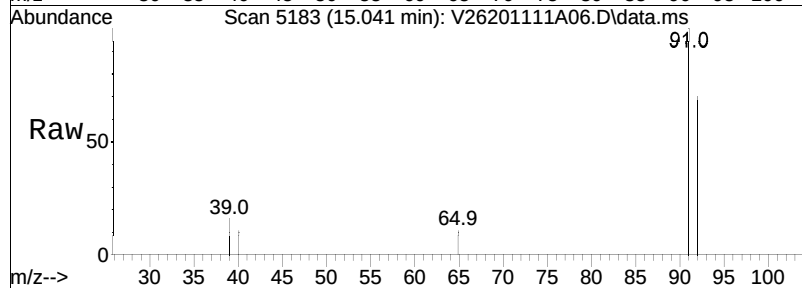
Acq: 11 Nov 2020 02:07 pm

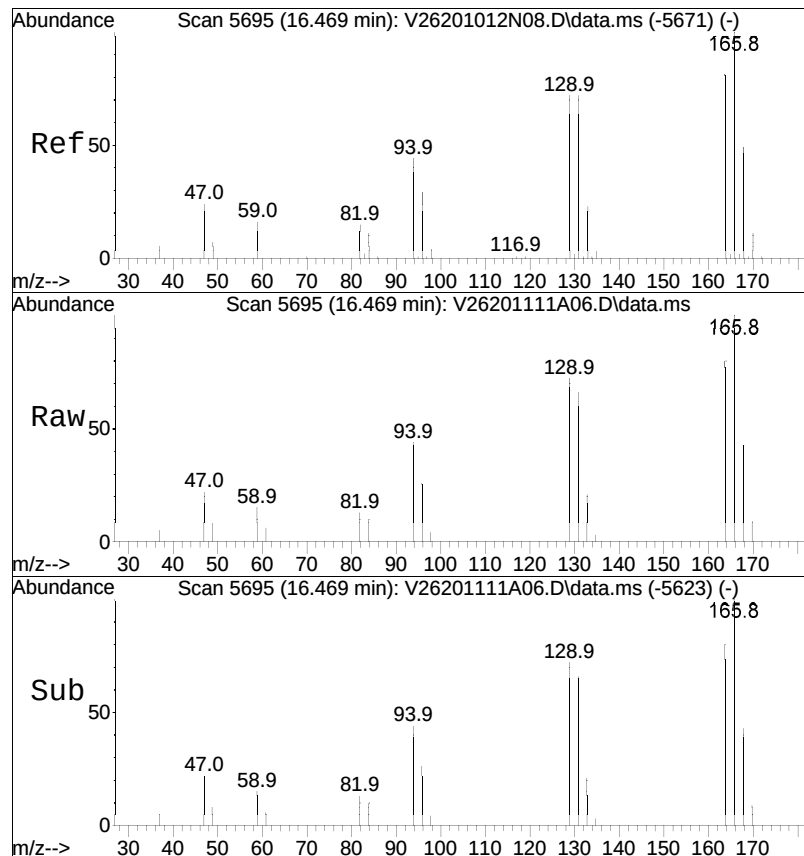
Tgt Ion: 92 Resp: 2156

Ion Ratio Lower Upper

92 100

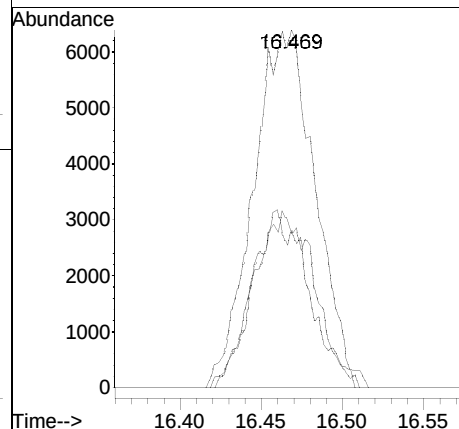
91 172.0 132.2 198.2





#68
 Tetrachloroethene
 Concen: 2.03 ug/L
 RT: 16.469 min Scan# 5695
 Delta R.T. -0.000 min
 Lab File: V26201111A06.D
 Acq: 11 Nov 2020 02:07 pm

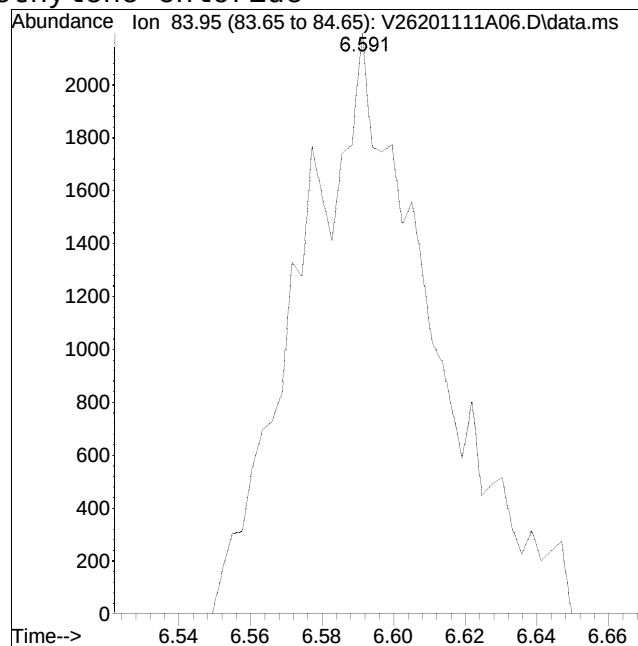
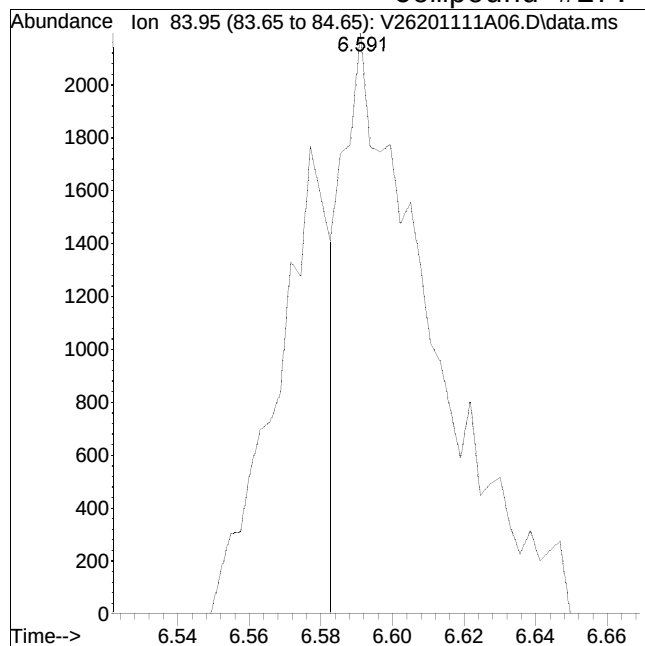
Tgt Ion:	166	Resp:	16903
Ion Ratio	Lower	Upper	
166	100		
168	48.0	27.8	67.8
94	45.6	24.4	64.4



Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201111A06.D Operator : VOA126:KJD
Date Inj'd : 11/11/2020 2:07 pm Instrument : VOA126
Sample : L2049037-08,31,5.35,5,,b Quant Date : 11/11/2020 3:37 pm

Compound #17: Methylene chloride



Original Peak Response = 3771

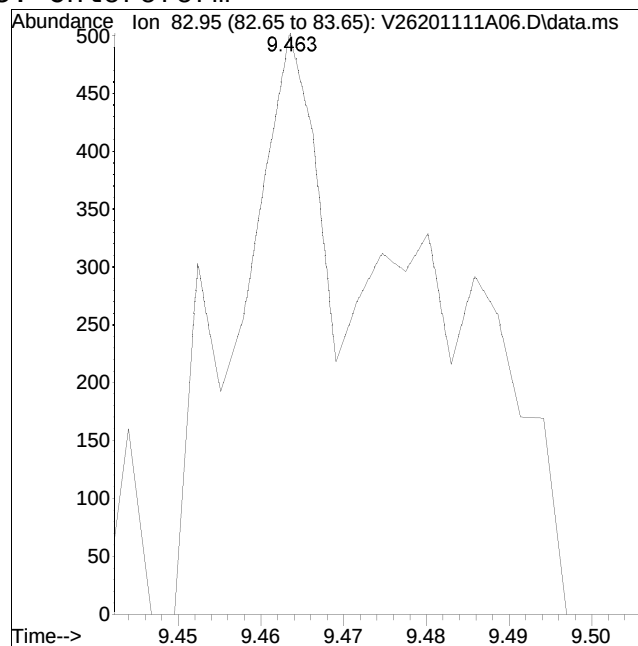
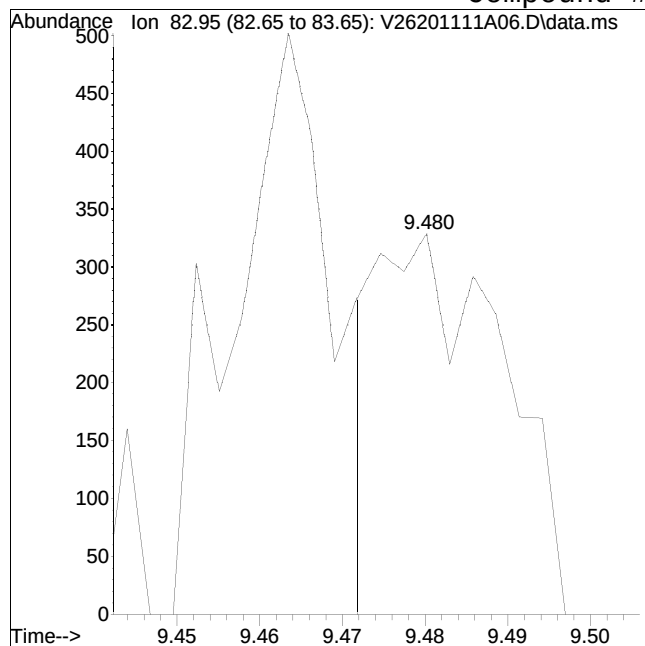
Manual Peak Response = 5602 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201111A06.D Operator : VOA126:KJD
Date Inj'd : 11/11/2020 2:07 pm Instrument : VOA126
Sample : L2049037-08,31,5.35,5,,b Quant Date : 11/11/2020 3:37 pm

Compound #35: Chloroform



Original Peak Response = 342

Manual Peak Response = 768 M1

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA104
 Calibration dates : 06/02/20 04:50 06/02/20 08:16

Lab Number : L2049037
 Project Number : 15209
 Ical Ref : ICAL16845

Calibration Files

L1 =V04200602A04.D L2 =V04200602A06.D L3 =V04200602A07.D L4 =V04200602A08.D L6 =V04200602A09.D
 L7 =V04200602A10.D L8 =V04200602A11.D L0 =V04200602A03.D L1.5=V04200602A05.D

Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----										
2) TP Dichlorodifluoromethane		0.196	0.193	0.213	0.241	0.234	0.236		0.219	9.59	
3) TP Chloromethane	0.279	0.248	0.248	0.243	0.274	0.265	0.267		0.260	0.260	5.05
4) TC Vinyl chloride	0.246	0.282	0.282	0.298	0.330	0.319	0.321		0.220	0.287	13.36
5) TP Bromomethane	0.242	0.228	0.226	0.221	0.246	0.237	0.236		0.236	0.234	3.58
6) TP Chloroethane	0.222	0.196	0.192	0.189	0.201	0.169	0.145		0.207	0.190	12.52
7) TP Trichlorofluoromethane		0.401	0.404	0.449	0.504	0.499	0.494		0.459	10.46	
8) TP Ethyl ether	0.114	0.110	0.117	0.109	0.121	0.124	0.123		0.122	0.118	4.97
10) TC 1,1-Dichloroethene	0.204	0.226	0.230	0.245	0.273	0.270	0.273		0.177	0.237	14.73
11) TP Carbon disulfide	1.019	0.775	0.707	0.722	0.796	0.767	0.770		0.757	0.789	12.32
12) TP Freon-113		0.232	0.233	0.258	0.288	0.284	0.285		0.263	9.99	
13) TP Iodomethane	0.320	0.319	0.360	0.365	0.428	0.419	0.427		0.327	0.370	12.95
14) TP Acrolein		0.030	0.026	0.024	0.026	0.026	0.026		0.026#	7.30	
15) TP Methylene chloride	0.359	0.280	0.281	0.260	0.288	0.280	0.282		0.319	0.294	10.62
17) TP Acetone		0.105	0.055	0.043	0.037	0.040	0.037		*L	0.9979	
18) TP trans-1,2-Dichloroethene	0.275	0.269	0.280	0.280	0.308	0.302	0.305		0.260	0.285	6.35
19) TP Methyl acetate		0.106	0.111	0.102	0.113	0.117	0.116		0.102	0.110	5.81
20) TP Methyl tert-butyl ether	0.667	0.616	0.628	0.585	0.637	0.635	0.630		0.646	0.630	3.77
21) TP tert-Butyl alcohol	0.023	0.021	0.020	0.019	0.021	0.020	0.019		0.023	0.021#	7.45
22) TP Diisopropyl ether	0.881	0.800	0.831	0.780	0.854	0.837	0.840		0.859	0.835	3.85
23) TP 1,1-Dichloroethane	0.531	0.490	0.503	0.488	0.534	0.522	0.522		0.503	0.512	3.51
24) TP Halothane	0.195	0.215	0.217	0.227	0.253	0.246	0.249		0.168	0.221	13.24
25) TP Acrylonitrile		0.035	0.043	0.041	0.047	0.047	0.047		0.043#	10.95	
26) TP Ethyl tert-butyl ether	0.863	0.773	0.789	0.737	0.801	0.795	0.796		0.813	0.796	4.49
27) TP Vinyl acetate		0.337	0.407	0.387	0.461	0.481	0.479		0.425	13.69	
28) TP cis-1,2-Dichloroethene	0.329	0.308	0.313	0.300	0.332	0.325	0.328		0.320	0.320	3.53
29) TP 2,2-Dichloropropane	0.427	0.420	0.417	0.427	0.468	0.453	0.452		0.380	0.431	6.36
30) TP Bromochloromethane	0.154	0.149	0.159	0.149	0.164	0.161	0.160		0.162	0.157	3.72
31) TP Cyclohexane		0.356	0.360	0.390	0.432	0.421	0.423		0.397	8.37	
32) TC Chloroform	0.650	0.539	0.530	0.498	0.541	0.526	0.525		0.589	0.550	8.72
33) TP Ethyl acetate	0.214	0.163	0.167	0.148	0.162	0.165	0.162		0.179	0.170	11.64
34) TP Carbon tetrachloride	0.337	0.414	0.417	0.443	0.491	0.481	0.482		0.298	*L	0.9991
35) TP Tetrahydrofuran	0.074	0.059	0.058	0.053	0.056	0.055	0.054		0.064	0.059	11.57
36) S Dibromofluoromethane	0.285	0.290	0.289	0.290	0.288	0.292	0.290	0.286	0.287	0.289	0.79
37) TP 1,1,1-Trichloroethane	0.409	0.442	0.442	0.458	0.501	0.487	0.488	0.505	0.361	0.455	10.43
39) TP 2-Butanone		0.051	0.069	0.064	0.070	0.070	0.067		0.065#	11.23	



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA104
 Calibration dates : 06/02/20 04:50 06/02/20 08:16

Lab Number : L2049037
 Project Number : 15209
 Ical Ref : ICAL16845

Calibration Files

L1 =V04200602A04.D L2 =V04200602A06.D L3 =V04200602A07.D L4 =V04200602A08.D L6 =V04200602A09.D
 L7 =V04200602A10.D L8 =V04200602A11.D L0 =V04200602A03.D L1.5=V04200602A05.D

Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
40) TP 1,1-Dichloropropene	0.320	0.348	0.341	0.360	0.395	0.382	0.386	0.369	0.265	0.352	11.47
41) TP Benzene	1.154	1.030	1.060	1.021	1.119	1.096	1.103	1.429	1.068	1.120	11.02
42) TP tert-Amyl methyl ether	0.752	0.692	0.713	0.667	0.722	0.720	0.718		0.739	0.715	3.68
43) S 1,2-Dichloroethane-d4	0.236	0.242	0.234	0.235	0.234	0.243	0.246	0.237	0.240	0.239	1.87
44) TP 1,2-Dichloroethane	0.369	0.331	0.343	0.318	0.344	0.342	0.342		0.359	0.344	4.52
47) TP Methyl cyclohexane		0.388	0.414	0.429	0.480	0.472	0.478			0.443	8.76
48) TP Trichloroethene	0.291	0.291	0.300	0.300	0.331	0.325	0.329	0.379	0.279	0.314	9.78
50) TP Dibromomethane	0.162	0.164	0.173	0.161	0.177	0.178	0.179		0.167	0.170	4.40
51) TC 1,2-Dichloropropane	0.294	0.271	0.284	0.265	0.290	0.286	0.287		0.287	0.283	3.43
53) TP 2-Chloroethyl vinyl ether	0.110	0.126	0.142	0.134	0.148	0.146	0.147		0.120	0.134	10.69
54) TP Bromodichloromethane	0.430	0.394	0.417	0.385	0.419	0.413	0.416	0.526	0.423	0.425	9.52
57) TP 1,4-Dioxane		0.002	0.002	0.002	0.001	0.001	0.001		0.001	0.002#	13.93
58) TP cis-1,3-Dichloropropene	0.450	0.429	0.462	0.430	0.476	0.472	0.475	0.493	0.444	0.459	4.83
59) I Chlorobenzene-d5	-----ISTD-----										
60) S Toluene-d8	1.353	1.356	1.327	1.332	1.308	1.301	1.303	1.342	1.336	1.329	1.56
61) TC Toluene	0.966	0.900	0.907	0.893	0.964	0.940	0.950		0.920	0.930	3.11
62) TP 4-Methyl-2-pentanone		0.090	0.091	0.086	0.090	0.091	0.089		0.106	0.092#	7.30
63) TP Tetrachloroethene	0.367	0.409	0.413	0.429	0.468	0.454	0.461	0.413	0.329	0.416	10.88
65) TP trans-1,3-Dichloropropene	0.476	0.489	0.520	0.483	0.524	0.519	0.519		0.489	0.502	3.93
67) TP Ethyl methacrylate	0.363	0.325	0.349	0.329	0.353	0.352	0.349		0.352	0.347	3.70
68) TP 1,1,2-Trichloroethane	0.272	0.248	0.248	0.233	0.248	0.247	0.246		0.260	0.250	4.55
69) TP Chlorodibromomethane	0.450	0.416	0.433	0.403	0.437	0.433	0.433	0.509	0.441	0.440	6.69
70) TP 1,3-Dichloropropane	0.483	0.465	0.479	0.446	0.476	0.466	0.465		0.481	0.470	2.60
71) TP 1,2-Dibromoethane	0.298	0.289	0.308	0.288	0.309	0.306	0.305		0.293	0.299	2.93
72) TP 2-Hexanone		0.166	0.155	0.150	0.158	0.157	0.152		0.191	0.161	8.88
73) TP Chlorobenzene	1.223	1.085	1.100	1.050	1.146	1.105	1.112	1.472	1.151	1.160	10.92
74) TC Ethylbenzene	1.890	1.734	1.731	1.708	1.856	1.750	1.747		1.702	1.765	3.93
75) TP 1,1,1,2-Tetrachloroethane	0.445	0.419	0.432	0.408	0.438	0.420	0.419	0.535	0.452	0.441	8.65
76) TP p/m Xylene	0.686	0.664	0.679	0.671	0.734	0.689	0.682	0.818	0.668	0.699	7.01
77) TP o Xylene	0.702	0.656	0.670	0.649	0.716	0.670	0.666	0.860	0.700	0.699	9.25
78) TP Styrene	1.158	1.068	1.113	1.070	1.167	1.088	1.079	1.403	1.154	1.144	9.13
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----										
80) TP Bromoform	0.505	0.487	0.517	0.484	0.533	0.544	0.539		0.523	0.517	4.43
82) TP Isopropylbenzene	3.311	3.353	3.360	3.327	3.657	3.548	3.577		3.004	3.392	6.03
83) S 4-Bromofluorobenzene	0.931	0.919	0.895	0.899	0.897	0.917	0.923	0.926	0.911	0.913	1.45
84) TP Bromobenzene	1.031	0.945	0.948	0.882	0.975	0.974	0.988		1.001	0.968	4.60



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA104
 Calibration dates : 06/02/20 04:50 06/02/20 08:16

Lab Number : L2049037
 Project Number : 15209
 Ical Ref : ICAL16845

Calibration Files

L1 =V04200602A04.D L2 =V04200602A06.D L3 =V04200602A07.D L4 =V04200602A08.D L6 =V04200602A09.D
 L7 =V04200602A10.D L8 =V04200602A11.D L0 =V04200602A03.D L1.5=V04200602A05.D

Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
85) TP n-Propylbenzene	3.953	3.942	4.000	3.906	4.293	4.113	4.126		3.604	3.992	5.06
86) TP 1,4-Dichlorobutane	0.969	0.819	0.791	0.726	0.788	0.791	0.780		0.897	0.820	9.35
87) TP 1,1,2,2-Tetrachloroethane	0.746	0.693	0.674	0.626	0.688	0.699	0.694	0.891	0.741	0.717	10.34
88) TP 4-Ethyltoluene	3.394	3.259	3.310	3.243	3.534	3.400	3.436		3.104	3.335	4.02
89) TP 2-Chlorotoluene	2.661	2.368	2.359	2.247	2.471	2.342	2.376		2.443	2.408	5.08
90) TP 1,3,5-Trimethylbenzene	2.988	2.835	2.839	2.748	2.997	2.893	2.922		2.799	2.878	3.07
91) TP 1,2,3-Trichloropropane	0.537	0.506	0.503	0.463	0.506	0.515	0.509		0.542	0.510	4.70
92) TP trans-1,4-Dichloro-2-b...	0.121	0.154	0.153	0.144	0.156	0.160	0.160		0.131	0.147	9.77
93) TP 4-Chlorotoluene	2.879	2.478	2.405	2.289	2.516	2.442	2.502		2.564	2.509	6.82
94) TP tert-Butylbenzene	2.374	2.388	2.463	2.405	2.617	2.513	2.540		2.169	2.434	5.57
97) TP 1,2,4-Trimethylbenzene	3.014	2.763	2.802	2.705	2.949	2.850	2.889		2.888	2.858	3.50
98) TP sec-Butylbenzene	3.483	3.561	3.644	3.569	3.820	3.669	3.667		3.109	3.565	5.88
99) TP p-Isopropyltoluene	3.034	3.018	3.156	3.091	3.319	3.183	3.210		2.761	3.097	5.40
100) TP 1,3-Dichlorobenzene	1.874	1.678	1.739	1.629	1.783	1.713	1.746		1.814	1.747	4.42
101) TP 1,4-Dichlorobenzene	2.025	1.764	1.760	1.615	1.754	1.698	1.725		1.864	1.776	6.91
102) TP p-Diethylbenzene	1.797	1.840	1.871	1.805	1.925	1.885	1.926		1.689	1.842	4.28
103) TP n-Butylbenzene	2.714	2.685	2.830	2.758	2.928	2.805	2.855		2.480	2.757	4.95
104) TP 1,2-Dichlorobenzene	1.678	1.515	1.577	1.481	1.591	1.559	1.579		1.662	1.580	4.21
105) TP 1,2,4,5-Tetramethylben...	2.776	2.527	2.700	2.558	2.799	2.866	2.979		2.633	2.730	5.68
106) TP 1,2-Dibromo-3-chloropr...	0.088	0.100	0.107	0.101	0.111	0.117	0.117		0.100	0.105	9.40
107) TP 1,3,5-Trichlorobenzene	1.303	1.181	1.222	1.132	1.196	1.174	1.230		1.289	1.216	4.77
108) TP Hexachlorobutadiene	0.589	0.553	0.591	0.536	0.563	0.573	0.605		0.524	0.567	4.97
109) TP 1,2,4-Trichlorobenzene	1.123	0.980	1.030	0.952	1.016	1.005	1.061		1.061	1.028	5.21
110) TP Naphthalene	1.705	1.630	1.689	1.581	1.768	1.859	1.893		1.641	1.721	6.44
111) TP 1,2,3-Trichlorobenzene	0.961	0.884	0.902	0.826	0.884	0.897	0.930		0.944	0.904	4.66

Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA126
 Calibration dates : 10/12/20 22:41 10/13/20 03:58

Lab Number : L2049037
 Project Number : 15209
 Ical Ref : ICAL17233

Calibration Files

L0 =V26201012N03.D L1 =V26201012N04.D L1.5=V26201012N05.D L2 =V26201012N06.D L3 =V26201012N07.D
 L4 =V26201012N08.D L6 =V26201012N09.D L7 =V26201012N10.D L8 =V26201012N11.D

	Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
1) I	Fluorobenzene	-----ISTD-----										
2) TP	Dichlorodifluo	0.202	0.205	0.204	0.196	0.204	0.184	0.178	0.172	0.193	6.77	
3) TP	Chlorodifluoro	0.212	0.181	0.183	0.165	0.165	0.149	0.148	0.146	0.169	13.51	
4) TP	Chloromethane	0.227	0.197	0.176	0.163	0.161	0.167	0.178	0.181	12.92		
5) TC	Vinyl chloride	0.253	0.246	0.242	0.247	0.241	0.231	0.224	0.218	0.238	5.19	
6) TP	Bromomethane	0.156	0.137	0.130	0.126	0.125	0.124	0.129	0.133	0.132	7.85	
7) TP	Chloroethane	0.120	0.124	0.127	0.124	0.121	0.118	0.116	0.115	0.121	3.51	
8) TP	Trichlorofluor	0.316	0.325	0.319	0.320	0.319	0.299	0.285	0.280	0.308	5.70	
9) TP	Ethyl ether	0.096	0.096	0.096	0.099	0.097	0.099	0.102	0.102	0.098	2.60	
11) TC	1,1-Dichloroet	0.195	0.190	0.188	0.190	0.184	0.177	0.177	0.176	0.185	3.79	
12) TP	Carbon disulfide	1.221	0.857	0.660	0.520	0.481	0.453	0.444	0.446	*L	0.9997	
13) TP	Freon-113	0.185	0.181	0.186	0.186	0.187	0.175	0.166	0.163	0.178	5.39	
14) TP	Iodomethane	0.153	0.142	0.139	0.157	0.177	0.195	0.190	0.177	0.166	12.82	
15) TP	Acrolein	0.015	0.016	0.014	0.017	0.017	0.016	0.017	0.017	0.016#	7.61	
16) TP	Allyl chloride	0.113	0.110	0.117	0.121	0.120	0.119	0.114	0.109	0.116	3.93	
17) TP	Methylene chlo	0.259	0.241	0.228	0.219	0.208	0.206	0.206	0.208	0.222	8.85	
19) TP	Acetone	0.182	0.107	0.063	0.039	0.031	0.028	0.031	0.030	*L	0.9981	
20) TP	trans-1,2-Dich	0.215	0.225	0.222	0.228	0.219	0.215	0.215	0.216	0.219	2.35	
21) TP	Methyl acetate	0.084	0.079	0.076	0.080	0.077	0.074	0.080	0.079	0.078#	3.64	
22) TP	Hexane	0.231	0.253	0.258	0.255	0.265	0.244	0.225	0.224	0.244	6.49	
23) TP	Methyl tert butyl ether	0.474	0.489	0.473	0.503	0.499	0.501	0.515	0.516	0.496	3.31	
24) TP	tert-Butyl alc	0.012	0.013	0.016	0.015	0.015	0.016	0.017	0.015#	11.29		
25) TP	Diisopropyl ether	0.468	0.464	0.475	0.494	0.480	0.483	0.495	0.499	0.482	2.68	
26) TP	1,1-Dichloroet	0.343	0.339	0.340	0.344	0.331	0.329	0.330	0.331	0.336	1.83	
27) TP	Halothane	0.167	0.167	0.169	0.178	0.176	0.169	0.169	0.171	0.171	2.30	
28) TP	Acrylonitrile	0.029	0.041	0.039	0.042	0.042	0.040	0.043	0.043	*L	0.9993	
29) TP	Ethyl tert-but	0.480	0.486	0.484	0.517	0.506	0.514	0.527	0.534	0.506	4.07	
30) TP	Vinyl acetate	0.229	0.227	0.230	0.255	0.253	0.260	0.265	0.278	0.250	7.64	
31) TP	cis-1,2-Dichlo	0.258	0.239	0.248	0.251	0.242	0.243	0.244	0.247	0.246	2.42	
32) TP	2,2-Dichloropr	0.274	0.293	0.297	0.312	0.308	0.302	0.304	0.307	0.300	4.03	
33) TP	Bromochloromet	0.110	0.111	0.109	0.113	0.108	0.108	0.106	0.105	0.109	2.50	
34) TP	Cyclohexane	0.264	0.268	0.280	0.275	0.278	0.259	0.245	0.246	0.265	5.11	
35) TC	Chloroform	0.410	0.400	0.401	0.408	0.393	0.389	0.388	0.388	0.397	2.23	
36) TP	Ethyl acetate	0.095	0.102	0.106	0.111	0.110	0.109	0.117	0.118	0.109	6.97	
37) TP	Carbon tetrach	0.284	0.302	0.308	0.330	0.328	0.318	0.312	0.315	0.312	4.69	
38) TP	Tetrahydrofuran	0.056	0.044	0.034	0.034	0.034	0.031	0.033	0.033	*L	0.9991	



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA126
 Calibration dates : 10/12/20 22:41 10/13/20 03:58

Lab Number : L2049037
 Project Number : 15209
 Ical Ref : ICAL17233

Calibration Files

L0 =V26201012N03.D L1 =V26201012N04.D L1.5=V26201012N05.D L2 =V26201012N06.D L3 =V26201012N07.D
 L4 =V26201012N08.D L6 =V26201012N09.D L7 =V26201012N10.D L8 =V26201012N11.D

Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
39) S Dibromofluoromethane	0.261	0.260	0.266	0.261	0.261	0.261	0.262	0.264	0.264	0.262	0.75
40) TP 1,1,1-Trichloroethane	0.326	0.341	0.343	0.352	0.363	0.351	0.340	0.337	0.342	0.344	3.03
42) TP 2-Butanone	0.070	0.058	0.052	0.051	0.049	0.048	0.050	0.051	*L		0.9997
43) TP 1,1-Dichloropropene	0.277	0.279	0.286	0.295	0.297	0.289	0.277	0.273	0.275	0.283	3.15
44) TP Heptane	0.195	0.207	0.216	0.206	0.210	0.193	0.181	0.185	0.199		6.21
45) TP Benzene	0.881	0.882	0.864	0.864	0.879	0.846	0.838	0.838	0.842	0.859	2.18
46) TP Tertiary-Amyl Methyl Ether	0.473	0.495	0.495	0.523	0.518	0.522	0.537	0.543	0.513		4.60
47) S 1,2-Dichloroethane-d4	0.223	0.226	0.228	0.223	0.222	0.223	0.217	0.223	0.239	0.225	2.69
48) TP 1,2-Dichloroet	0.273	0.258	0.249	0.255	0.245	0.243	0.248	0.254	0.253		3.79
51) TP Methyl cyclohe	0.325	0.335	0.342	0.345	0.352	0.322	0.303	0.306	0.329		5.49
52) TP Trichloroethene	0.226	0.238	0.229	0.237	0.248	0.238	0.233	0.232	0.234	0.235	2.72
54) TP Dibromomethane	0.125	0.124	0.126	0.131	0.124	0.124	0.126	0.127	0.126		1.81
55) TC 1,2-Dichloropr	0.192	0.197	0.194	0.205	0.196	0.196	0.196	0.198	0.197		1.85
57) TP 2-Chloroethyl	0.083	0.079	0.081	0.083	0.084	0.085	0.094	0.097	0.086		7.28
58) TP Bromodichloromethane	0.269	0.274	0.289	0.297	0.315	0.307	0.309	0.311	0.313	0.298	5.83
60) TP Methyl methacr	0.103	0.110	0.107	0.119	0.119	0.118	0.124	0.124	0.116		6.81
61) TP 1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#		12.05
62) TP cis-1,3-Dichloropropene	0.300	0.303	0.308	0.314	0.346	0.342	0.345	0.350	0.351	0.329	6.64
63) I Chlorobenzene-d5	-----ISTD-----										
64) TP Octane	0.261	0.258	0.275	0.280	0.283	0.276	0.276	0.295	0.275		4.27
65) S Toluene-d8	1.287	1.274	1.279	1.278	1.273	1.266	1.255	1.261	1.259	1.270	0.83
66) TC Toluene	0.737	0.730	0.722	0.747	0.720	0.705	0.716	0.721	0.725		1.82
67) TP 4-Methyl-2-pen	0.055	0.062	0.062	0.071	0.068	0.068	0.073	0.073	0.066#		9.39
68) TP Tetrachloroethene	0.369	0.359	0.355	0.357	0.354	0.339	0.327	0.330	0.333	0.347	4.33
69) TP 2-Nitropropane	0.034	0.033	0.040	0.040	0.042	0.043	0.045	0.040			11.25
71) TP trans-1,3-Dich	0.309	0.318	0.339	0.383	0.375	0.379	0.395	0.403	0.363		9.87
72) TP Methyl isothio	0.111	0.118	0.119	0.139	0.140	0.142	0.152	0.154	0.134		12.21
74) TP Ethyl methacry	0.239	0.248	0.258	0.290	0.292	0.291	0.312	0.316	0.281		10.31
75) TP 1,1,2-Trichlor	0.177	0.181	0.184	0.194	0.188	0.186	0.192	0.193	0.187		3.19
76) TP Chlorodibromomethane	0.229	0.239	0.247	0.250	0.291	0.290	0.298	0.306	0.310	0.273	11.63
77) TP 1,3-Dichloropr	0.365	0.364	0.361	0.382	0.372	0.370	0.381	0.383	0.372		2.35
78) TP 1,2-Dibromoethane	0.210	0.213	0.207	0.230	0.223	0.222	0.229	0.229	0.220		4.22
79) TP n-Butyl Acetate	0.232	0.257	0.239	0.278	0.279	0.276	0.297	0.299	0.270		9.25
80) TP 2-Hexanone	0.106	0.104	0.101	0.112	0.111	0.108	0.117	0.117	0.110		5.36
81) TP Nonane	0.360	0.358	0.369	0.395	0.404	0.420	0.435	0.466	0.401		9.56
82) TP Chlorobenzene	0.848	0.861	0.833	0.843	0.858	0.830	0.813	0.823	0.826	0.837	1.96



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA126
 Calibration dates : 10/12/20 22:41 10/13/20 03:58

Lab Number : L2049037
 Project Number : 15209
 Ical Ref : ICAL17233

Calibration Files

L0 =V26201012N03.D L1 =V26201012N04.D L1.5=V26201012N05.D L2 =V26201012N06.D L3 =V26201012N07.D
 L4 =V26201012N08.D L6 =V26201012N09.D L7 =V26201012N10.D L8 =V26201012N11.D

Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
83) TC Ethylbenzene		1.370	1.393	1.408	1.458	1.400	1.358	1.375	1.367	1.391	2.32
84) TP 1,1,1,2-Tetrachloroethane	0.248	0.275	0.263	0.279	0.310	0.308	0.309	0.320	0.326	0.293	9.39
85) TP p/m Xylene	0.535	0.543	0.538	0.556	0.580	0.558	0.546	0.563	0.574	0.555	2.82
86) TP o Xylene	0.486	0.495	0.498	0.514	0.540	0.522	0.515	0.537	0.545	0.517	4.07
87) TP Styrene	0.769	0.777	0.798	0.831	0.903	0.879	0.880	0.906	0.897	0.849	6.58
88) I 1,4-Dichlorobenzene-d4	-----ISTD-----										
89) TP Bromoform		0.276	0.278	0.288	0.334	0.339	0.352	0.376	0.386	0.329	13.20
91) TP Isopropylbenzene		2.650	2.690	2.753	2.763	2.621	2.575	2.585	2.579	2.652	2.88
92) S 4-Bromofluorobenzene	0.917	0.914	0.915	0.912	0.885	0.865	0.873	0.862	0.856	0.889	2.89
93) TP Bromobenzene		0.670	0.678	0.678	0.694	0.663	0.660	0.663	0.658	0.670	1.86
94) TP Decane		0.837	0.803	0.837	0.845	0.873	0.928	0.932	0.963	0.877	6.49
95) TP n-Propylbenzene		3.234	3.193	3.273	3.279	3.090	3.010	2.973	2.915	3.121	4.59
96) TP 1,4-Dichlorobu		0.527	0.544	0.540	0.548	0.521	0.521	0.533	0.532	0.533	1.92
97) TP 1,1,1,2-Tetrachloroethane	0.487	0.486	0.507	0.507	0.531	0.505	0.501	0.511	0.509	0.505	2.62
98) TP 4-Ethyltoluene		2.607	2.609	2.673	2.696	2.566	2.508	2.493	2.458	2.576	3.33
99) TP 2-Chlorotoluene		2.122	2.143	2.188	2.150	2.020	2.024	2.077	2.130	2.107	2.88
100) TP 1,3,5-Trimethy		2.209	2.254	2.321	2.343	2.223	2.222	2.260	2.298	2.266	2.18
101) TP 1,2,3-Trichlor		0.384	0.372	0.381	0.385	0.364	0.356	0.364	0.359	0.371	3.17
102) TP trans-1,4-Dich		0.095	0.108	0.113	0.121	0.118	0.122	0.132	0.137	0.118	11.27
103) TP 4-Chlorotoluene		1.951	1.943	2.000	1.966	1.846	1.833	1.828	1.821	1.898	3.86
104) TP tert-Butylbenzene		1.921	1.952	2.009	2.036	1.931	1.890	1.881	1.881	1.938	3.02
107) TP 1,2,4-Trimethy		2.199	2.214	2.253	2.294	2.171	2.169	2.185	2.181	2.208	2.01
108) TP Limonene		0.599	0.664	0.691	0.741	0.734	0.725	0.728	0.748	0.704	7.23
109) TP sec-Butylbenzene		2.829	2.881	2.988	3.051	2.902	2.801	2.774	2.744	2.871	3.71
110) TP p-Isopropyltol		2.461	2.470	2.568	2.637	2.506	2.452	2.450	2.439	2.498	2.81
111) TP 1,3-Dichlorobe		1.352	1.332	1.369	1.378	1.307	1.308	1.311	1.308	1.333	2.23
112) TP 1,4-Dichlorobe		1.347	1.326	1.361	1.357	1.291	1.282	1.294	1.292	1.319	2.49
113) TP trans-Decahydr		0.643	0.678	0.707	0.700	0.695	0.693	0.695	0.752	0.695	4.36
114) TP Undecane		0.819	0.782	0.794	0.809	0.813	0.815	0.774	0.714	0.790	4.41
115) TP p-Diethylbenzene		1.493	1.516	1.536	1.588	1.497	1.501	1.541	1.584	1.532	2.45
116) TP n-Butylbenzene		2.768	2.788	2.839	2.844	2.689	2.674	2.750	2.826	2.772	2.36
117) TP Hexachloroethane		0.376	0.413	0.413	0.486	0.495	0.510	0.530	0.538	0.470	12.96
118) TP 1,2-Dichlorobe		1.216	1.204	1.216	1.260	1.198	1.198	1.209	1.214	1.214	1.65
119) TP cis-Decahydr		0.505	0.510	0.536	0.549	0.543	0.531	0.532	0.564	0.534	3.64
120) TP 1,2,4,5-Tetram		2.059	2.011	2.119	2.317	2.249	2.266	2.306	2.265	2.199	5.38
121) TP 1,2-Dibromo-3-		0.071	0.076	0.072	0.089	0.089	0.091	0.099	0.098	0.086	12.96



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
Project Name : BEACH CHANNEL DRIVE
Instrument ID : VOA126
Calibration dates : 10/12/20 22:41 10/13/20 03:58

Lab Number : L2049037
Project Number : 15209
Ical Ref : ICAL17233

Calibration Files

L0 =V26201012N03.D L1 =V26201012N04.D L1.5=V26201012N05.D L2 =V26201012N06.D L3 =V26201012N07.D
 L4 =V26201012N08.D L6 =V26201012N09.D L7 =V26201012N10.D L8 =V26201012N11.D

Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
122) TP 1,3,5-Trichlor	0.940	0.881	0.899	0.954	0.911	0.916	0.931	0.915	0.918		2.51
123) TP Nitrobenzene	0.012	0.015	0.019	0.021	0.025					*L	0.9924
124) TP Hexachlorobuta	0.437	0.435	0.446	0.480	0.468	0.467	0.483	0.484	0.462		4.40
125) TP 1,2,4-Trichlor	0.852	0.796	0.793	0.866	0.832	0.836	0.860	0.834	0.834		3.27
126) TP Naphthalene	1.520	1.517	1.486	1.667	1.651	1.647	1.695	1.613	1.599		5.00
127) TP 1,2,3-Trichlor	0.751	0.712	0.706	0.780	0.752	0.761	0.786	0.748	0.750		3.82



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Calibration dates : 10/28/20 18:27 10/28/20 21:47

Lab Number : L2049037
 Project Number : 15209
 Ical Ref : ICAL17294

Calibration Files

L1 =V11201028P04.D L2 =V11201028P06.D L3 =V11201028P07.D L4 =V11201028P08.D L1.5=V11201028P05.D
 L6 =V11201028P09.D L7 =V11201028P10.D L8 =V11201028P11.D L0 =V11201028P03.D

Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----										
2) TP Dichlorodifluoromethane	0.145	0.150	0.154	0.151	0.161	0.147	0.151	0.149		0.151	3.13
3) TP Chloromethane	0.180	0.159	0.167	0.163	0.178	0.161	0.166	0.163		0.167	4.64
4) TC Vinyl chloride	0.226	0.204	0.213	0.209	0.217	0.207	0.212	0.208		0.212	3.23
5) TP Bromomethane	0.288	0.213	0.191	0.176	0.241	0.176	0.179	0.179		0.205	19.59
6) TP Chloroethane	0.162	0.166	0.179	0.178	0.188	0.182	0.185	0.122		0.170	12.52
7) TP Trichlorofluoromethane	0.300	0.268	0.271	0.268	0.289	0.273	0.296	0.312		0.285	5.94
8) TP Ethyl ether	0.081	0.084	0.094	0.094	0.080	0.095	0.102	0.102		0.092	9.63
10) TP 1,1-Dichloroethene	0.161	0.141	0.149	0.147	0.144	0.149	0.156	0.156		0.150	4.38
11) TP Carbon disulfide	0.546	0.401	0.387	0.382	0.461	0.380	0.400	0.399		0.420	13.67
12) TP Freon-113	0.155	0.155	0.159	0.156	0.156	0.155	0.161	0.160		0.157	1.64
14) TP Acrolein		0.012	0.017	0.019		0.019	0.021	0.021		0.018#	19.99
15) TP Methylene chloride	0.214	0.181	0.187	0.187	0.191	0.187	0.194	0.190		0.192	5.17
17) TP Acetone	0.115	0.051	0.039	0.039	0.081	0.039	0.040	0.039		*L	0.9991
18) TP trans-1,2-Dichloroethene	0.173	0.165	0.176	0.177	0.165	0.178	0.186	0.185		0.176	4.56
19) TP Methyl acetate	0.093	0.091	0.096	0.105	0.084	0.104	0.111	0.112		0.099#	10.05
20) TP Methyl tert-butyl ether	0.441	0.402	0.448	0.467	0.404	0.477	0.511	0.510		0.458	9.15
21) TP tert-Butyl alcohol		0.013	0.015	0.016	0.011	0.017	0.018	0.018		0.015#	18.52
22) TP Diisopropyl ether	0.515	0.482	0.557	0.576	0.501	0.591	0.628	0.628		0.560	10.06
23) TC 1,1-Dichloroethane	0.330	0.296	0.322	0.318	0.309	0.318	0.331	0.327		0.319	3.76
24) TP Halothane	0.123	0.130	0.143	0.138	0.135	0.139	0.144	0.143		0.137	5.36
25) TP Acrylonitrile		0.034	0.044	0.049		0.049	0.053	0.053		0.047#	15.29
26) TP Ethyl tert-butyl ether	0.461	0.452	0.519	0.542	0.448	0.563	0.608	0.613		0.526	12.82
27) TP Vinyl acetate	0.300	0.330	0.385	0.416	0.323	0.426	0.472	0.478		0.391	17.40
28) TP cis-1,2-Dichloroethene	0.198	0.182	0.203	0.203	0.184	0.203	0.215	0.213		0.200	6.03
29) TP 2,2-Dichloropropane	0.249	0.239	0.252	0.255	0.246	0.254	0.266	0.265		0.253	3.60
30) TP Bromochloromethane	0.083	0.091	0.100	0.100	0.092	0.100	0.106	0.106		0.097	8.31
31) TP Cyclohexane	0.248	0.242	0.264	0.271	0.252	0.276	0.294	0.295		0.268	7.44
32) TC Chloroform	0.338	0.310	0.330	0.331	0.324	0.326	0.339	0.337		0.329	2.95
33) TP Ethyl acetate	0.111	0.128	0.145	0.154	0.119	0.156	0.170	0.168		0.144	15.57
34) TP Carbon tetrachloride	0.255	0.248	0.257	0.256	0.263	0.257	0.269	0.268		0.259	2.72
35) TP Tetrahydrofuran		0.034	0.050	0.052	0.033	0.053	0.058	0.058		*L	0.9986
36) S Dibromofluoromethane	0.256	0.254	0.252	0.255	0.254	0.258	0.257	0.260	0.248	0.255	1.45
37) TP 1,1,1-Trichloroethane	0.263	0.258	0.278	0.275	0.274	0.273	0.284	0.282	0.183	0.263	11.93
39) TP 2-Butanone		0.048	0.061	0.067	0.046	0.066	0.069	0.068		*L	0.9997
40) TP 1,1-Dichloropropene	0.229	0.207	0.225	0.231	0.211	0.231	0.245	0.244	0.146	0.219	13.73



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Calibration dates : 10/28/20 18:27 10/28/20 21:47

Lab Number : L2049037
 Project Number : 15209
 Ical Ref : ICAL17294

Calibration Files

L1 =V11201028P04.D L2 =V11201028P06.D L3 =V11201028P07.D L4 =V11201028P08.D L1.5=V11201028P05.D
 L6 =V11201028P09.D L7 =V11201028P10.D L8 =V11201028P11.D L0 =V11201028P03.D

Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
41) TP Benzene	0.729	0.651	0.716	0.711	0.687	0.714	0.750	0.743	0.549	0.694	8.94
42) TP tert-Amyl methyl ether	0.414	0.380	0.450	0.482	0.394	0.495	0.535	0.537		0.461	13.27
43) S 1,2-Dichloroethane-d4	0.246	0.247	0.240	0.245	0.244	0.246	0.254	0.263	0.241	0.247	2.85
44) TP 1,2-Dichloroethane	0.260	0.235	0.245	0.250	0.231	0.252	0.263	0.259		0.249	4.72
47) TP Methyl cyclohexane	0.271	0.243	0.276	0.282	0.256	0.288	0.308	0.313		0.280	8.50
48) TP Trichloroethene	0.169	0.174	0.189	0.189	0.179	0.191	0.202	0.204	0.095	0.177#	18.68
50) TP Dibromomethane	0.077	0.100	0.110	0.115	0.099	0.115	0.123	0.123		0.108	14.40
51) TC 1,2-Dichloropropane	0.169	0.169	0.189	0.192	0.171	0.194	0.205	0.205		0.187	8.18
53) TP 2-Chloroethyl vinyl ether			0.086	0.100		0.105	0.118	0.120		0.106	13.11
54) TP Bromodichloromethane	0.234	0.232	0.264	0.266	0.242	0.270	0.289	0.287	0.144	0.248	17.91
57) TP 1,4-Dioxane		0.001	0.001	0.002	0.001	0.002	0.002	0.002		*L	0.9984
58) TP cis-1,3-Dichloropropene	0.229	0.250	0.292	0.306	0.248	0.315	0.338	0.338	0.129	*L	0.9985
59) I Chlorobenzene-d5	-----ISTD-----										
60) S Toluene-d8	1.307	1.304	1.314	1.288	1.308	1.273	1.245	1.233	1.319	1.288	2.42
61) TC Toluene	0.667	0.566	0.624	0.612	0.620	0.607	0.633	0.626		0.619	4.53
62) TP 4-Methyl-2-pentanone		0.049	0.071	0.076	0.033	0.080	0.088	0.088		*L	0.9981
63) TP Tetrachloroethene	0.239	0.242	0.276	0.266	0.254	0.265	0.276	0.275	0.133	0.247	18.24
65) TP trans-1,3-Dichloropropene	0.286	0.290	0.351	0.360	0.289	0.370	0.391	0.388		0.341	13.24
67) TP Ethyl methacrylate		0.189	0.250	0.271		0.287	0.312	0.312		0.270	17.15
68) TP 1,1,2-Trichloroethane	0.131	0.166	0.186	0.185	0.165	0.183	0.191	0.189		0.175	11.45
69) TP Chlorodibromomethane	0.236	0.239	0.270	0.275	0.221	0.277	0.294	0.289	0.095	*L	0.9994
70) TP 1,3-Dichloropropane	0.327	0.332	0.368	0.367	0.342	0.366	0.381	0.375		0.357	5.75
71) TP 1,2-Dibromoethane	0.153	0.189	0.219	0.221	0.181	0.219	0.229	0.224		0.205	13.21
72) TP 2-Hexanone		0.083	0.118	0.133		0.139	0.151	0.148		0.129	19.72
73) TP Chlorobenzene	0.751	0.693	0.733	0.721	0.720	0.721	0.752	0.742	0.587	0.713	7.12
74) TC Ethylbenzene	1.107	1.029	1.167	1.166	1.065	1.172	1.229	1.216		1.144	6.19
75) TP 1,1,1,2-Tetrachloroethane	0.263	0.245	0.271	0.273	0.248	0.275	0.287	0.285	0.102	*L	0.9996
76) TP p/m Xylene	0.412	0.389	0.463	0.466	0.399	0.476	0.510	0.517	0.291	0.436	16.29
77) TP o Xylene	0.383	0.355	0.435	0.438	0.352	0.451	0.484	0.491	0.277	0.407	17.32
78) TP Styrene	0.563	0.592	0.748	0.764	0.582	0.805	0.880	0.892	0.409	*Q	0.9995
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----										
80) TP Bromoform	0.207	0.281	0.325	0.337	0.276	0.349	0.387	0.398		0.320	19.73
82) TP Isopropylbenzene	2.220	2.015	2.301	2.219	2.113	2.241	2.346	2.325		2.223	5.02
83) S 4-Bromofluorobenzene	0.884	0.895	0.869	0.838	0.883	0.834	0.821	0.819	0.901	0.861	3.79
84) TP Bromobenzene	0.625	0.567	0.611	0.593	0.572	0.590	0.624	0.617		0.600	3.79
85) TP n-Propylbenzene	2.766	2.498	2.786	2.674	2.601	2.703	2.848	2.849		2.716	4.51



Initial Calibration Summary

Form 6

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Calibration dates : 10/28/20 18:27 10/28/20 21:47

Lab Number : L2049037
 Project Number : 15209
 Ical Ref : ICAL17294

Calibration Files

L1 =V11201028P04.D L2 =V11201028P06.D L3 =V11201028P07.D L4 =V11201028P08.D L1.5=V11201028P05.D
 L6 =V11201028P09.D L7 =V11201028P10.D L8 =V11201028P11.D L0 =V11201028P03.D

Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
86) TP 1,4-Dichlorobutane	0.622	0.644	0.703	0.699	0.657	0.698	0.755	0.760		0.692	7.14
87) TP 1,1,2,2-Tetrachloroethane	0.526	0.516	0.556	0.543	0.528	0.526	0.554	0.544	0.281	0.508	16.99
88) TP 4-Ethyltoluene	2.080	1.949	2.253	2.219	1.955	2.227	2.337	2.322		2.168	7.11
89) TP 2-Chlorotoluene	1.913	1.739	1.917	1.836	1.846	1.824	1.920	1.912		1.863	3.45
90) TP 1,3,5-Trimethylbenzene	1.812	1.689	1.949	1.895	1.698	1.909	2.012	2.001		1.871	6.74
91) TP 1,2,3-Trichloropropane	0.405	0.392	0.425	0.415	0.412	0.406	0.434	0.432		0.415	3.47
92) TP trans-1,4-Dichloro-2-b...		0.109	0.141	0.146	0.089	0.144	0.155	0.153		0.134	18.66
93) TP 4-Chlorotoluene	1.658	1.519	1.723	1.648	1.559	1.654	1.735	1.710		1.651	4.68
94) TP tert-Butylbenzene	1.576	1.448	1.642	1.607	1.450	1.607	1.685	1.679		1.587	5.84
97) TP 1,2,4-Trimethylbenzene	1.660	1.568	1.906	1.872	1.602	1.901	2.018	1.998		1.816	9.86
98) TP sec-Butylbenzene	2.253	2.224	2.531	2.458	2.230	2.476	2.574	2.539		2.411	6.20
99) TP p-Isopropyltoluene	1.806	1.729	2.127	2.096	1.779	2.137	2.242	2.225		2.018	10.46
100) TP 1,3-Dichlorobenzene	1.169	1.107	1.210	1.173	1.125	1.184	1.251	1.231		1.181	4.18
101) TP 1,4-Dichlorobenzene	1.350	1.148	1.219	1.186	1.220	1.190	1.255	1.239		1.226	4.92
102) TP p-Diethylbenzene	1.076	0.996	1.225	1.242	1.032	1.265	1.348	1.346		1.191	11.63
103) TP n-Butylbenzene	1.729	1.681	1.922	1.898	1.709	1.919	2.013	1.995		1.858	7.11
104) TP 1,2-Dichlorobenzene	1.078	1.006	1.109	1.096	1.070	1.101	1.171	1.157		1.099	4.70
105) TP 1,2,4,5-Tetramethylben...	1.413	1.391	1.825	1.932	1.437	2.000	2.148	2.200		1.793	18.71
106) TP 1,2-Dibromo-3-chloropr...		0.063	0.077	0.083	0.014	0.083	0.091	0.090		*L	0.9989
107) TP 1,3,5-Trichlorobenzene	0.788	0.711	0.784	0.792	0.741	0.800	0.845	0.847		0.788	5.86
108) TP Hexachlorobutadiene	0.381	0.340	0.366	0.362	0.366	0.368	0.397	0.413		0.374	6.04
109) TP 1,2,4-Trichlorobenzene	0.692	0.610	0.700	0.736	0.604	0.752	0.831	0.855		0.722	12.66
110) TP Naphthalene	1.341	1.201	1.439	1.600	1.232	1.600	1.692	1.686		1.474	13.47
111) TP 1,2,3-Trichlorobenzene	0.596	0.555	0.621	0.661	0.582	0.659	0.695	0.697		0.633	8.35

Response Factor Report VOA 104

Method Path : I:\VOLATILES\VOA104\2020\200602B\
 Method File : V104_200602B_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Jun 02 13:53:50 2020
 Response Via : Initial Calibration

Calibration Files

L1 =V04200602A04.D L2 =V04200602A06.D L3 =V04200602A07.D L4 =V04200602A08.D L6 =V04200602A09.D
 L7 =V04200602A10.D L8 =V04200602A11.D L0 =V04200602A03.D L1.5=V04200602A05.D

Compound		L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
-----ISTD-----												
1) I	Fluorobenzene											
2) TP	Dichlorodifluo...	0.196	0.193	0.213	0.241	0.234	0.236			0.219	9.59	
3) TP	Chloromethane	0.279	0.248	0.248	0.243	0.274	0.265	0.267	0.260	0.260	5.05	
4) TC	Vinyl chloride	0.246	0.282	0.282	0.298	0.330	0.319	0.321	0.220	0.287	13.36	
5) TP	Bromomethane	0.242	0.228	0.226	0.221	0.246	0.237	0.236	0.236	0.234	3.58	
6) TP	Chloroethane	0.222	0.196	0.192	0.189	0.201	0.169	0.145	0.207	0.190	12.52	
7) TP	Trichlorofluor...	0.401	0.404	0.449	0.504	0.499	0.494			0.459	10.46	
8) TP	Ethyl ether	0.114	0.110	0.117	0.109	0.121	0.124	0.123	0.122	0.118	4.97	
10) TC	1,1-Dichloroet...	0.204	0.226	0.230	0.245	0.273	0.270	0.273	0.177	0.237	14.73	
11) TP	Carbon disulfide	1.019	0.775	0.707	0.722	0.796	0.767	0.770	0.757	0.789	12.32	
12) TP	Freon-113	0.232	0.233	0.258	0.288	0.284	0.285			0.263	9.99	
13) TP	Iodomethane	0.320	0.319	0.360	0.365	0.428	0.419	0.427	0.327	0.370	12.95	
14) TP	Acrolein	0.030	0.026	0.024	0.026	0.026	0.026			0.026#	7.30	
15) TP	Methylene chlo...	0.359	0.280	0.281	0.260	0.288	0.280	0.282	0.319	0.294	10.62	
17) TP	Acetone	0.105	0.055	0.043	0.037	0.040	0.037			*L	0.9979	
18) TP	trans-1,2-Dich...	0.275	0.269	0.280	0.280	0.308	0.302	0.305	0.260	0.285	6.35	
19) TP	Methyl acetate	0.106	0.111	0.102	0.113	0.117	0.116		0.102	0.110	5.81	
20) TP	Methyl tert-bu...	0.667	0.616	0.628	0.585	0.637	0.635	0.630	0.646	0.630	3.77	
21) TP	tert-Butyl alc...	0.023	0.021	0.020	0.019	0.021	0.020	0.019	0.023	0.021#	7.45	
22) TP	Diisopropyl ether	0.881	0.800	0.831	0.780	0.854	0.837	0.840	0.859	0.835	3.85	
23) TP	1,1-Dichloroet...	0.531	0.490	0.503	0.488	0.534	0.522	0.522	0.503	0.512	3.51	
24) TP	Halothane	0.195	0.215	0.217	0.227	0.253	0.246	0.249	0.168	0.221	13.24	
25) TP	Acrylonitrile	0.035	0.043	0.041	0.047	0.047	0.047			0.043#	10.95	
26) TP	Ethyl tert-but...	0.863	0.773	0.789	0.737	0.801	0.795	0.796	0.813	0.796	4.49	
27) TP	Vinyl acetate	0.337	0.407	0.387	0.461	0.481	0.479			0.425	13.69	
28) TP	cis-1,2-Dichlo...	0.329	0.308	0.313	0.300	0.332	0.325	0.328	0.320	0.320	3.53	
29) TP	2,2-Dichloropr...	0.427	0.420	0.417	0.427	0.468	0.453	0.452	0.380	0.431	6.36	
30) TP	Bromochloromet...	0.154	0.149	0.159	0.149	0.164	0.161	0.160	0.162	0.157	3.72	
31) TP	Cyclohexane	0.356	0.360	0.390	0.432	0.421	0.423			0.397	8.37	
32) TC	Chloroform	0.650	0.539	0.530	0.498	0.541	0.526	0.525	0.589	0.550	8.72	
33) TP	Ethyl acetate	0.214	0.163	0.167	0.148	0.162	0.165	0.162	0.179	0.170	11.64	

Response Factor Report VOA 104

Method Path : I:\VOLATILES\VOA104\2020\200602B\
 Method File : V104_200602B_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Jun 02 13:53:50 2020
 Response Via : Initial Calibration

Calibration Files

L1 =V04200602A04.D L2 =V04200602A06.D L3 =V04200602A07.D L4 =V04200602A08.D L6 =V04200602A09.D
 L7 =V04200602A10.D L8 =V04200602A11.D L0 =V04200602A03.D L1.5=V04200602A05.D

	Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
34)	TP Carbon tetrach...	0.337	0.414	0.417	0.443	0.491	0.481	0.482	0.298	*L	0.9991	
35)	TP Tetrahydrofuran	0.074	0.059	0.058	0.053	0.056	0.055	0.054	0.064	0.059	11.57	
36)	S Dibromofluorom...	0.285	0.290	0.289	0.290	0.288	0.292	0.290	0.286	0.287	0.289	0.79
37)	TP 1,1,1-Trichlor...	0.409	0.442	0.442	0.458	0.501	0.487	0.488	0.505	0.361	0.455	10.43
39)	TP 2-Butanone	0.051	0.069	0.064	0.070	0.070	0.067			0.065#	11.23	
40)	TP 1,1-Dichloropr...	0.320	0.348	0.341	0.360	0.395	0.382	0.386	0.369	0.265	0.352	11.47
41)	TP Benzene	1.154	1.030	1.060	1.021	1.119	1.096	1.103	1.429	1.068	1.120	11.02
42)	TP tert-Amyl meth...	0.752	0.692	0.713	0.667	0.722	0.720	0.718	0.739	0.715	3.68	
43)	S 1,2-Dichloroet...	0.236	0.242	0.234	0.235	0.234	0.243	0.246	0.237	0.240	0.239	1.87
44)	TP 1,2-Dichloroet...	0.369	0.331	0.343	0.318	0.344	0.342	0.342	0.359	0.344	4.52	
47)	TP Methyl cyclohe...	0.388	0.414	0.429	0.480	0.472	0.478			0.443	8.76	
48)	TP Trichloroethene	0.291	0.291	0.300	0.300	0.331	0.325	0.329	0.379	0.279	0.314	9.78
50)	TP Dibromomethane	0.162	0.164	0.173	0.161	0.177	0.178	0.179	0.167	0.170	4.40	
51)	TC 1,2-Dichloropr...	0.294	0.271	0.284	0.265	0.290	0.286	0.287	0.287	0.283	3.43	
53)	TP 2-Chloroethyl ...	0.110	0.126	0.142	0.134	0.148	0.146	0.147	0.120	0.134	10.69	
54)	TP Bromodichlorom...	0.430	0.394	0.417	0.385	0.419	0.413	0.416	0.526	0.423	0.425	9.52
57)	TP 1,4-Dioxane	0.002	0.002	0.002	0.001	0.001	0.001		0.001	0.002#	13.93	
58)	TP cis-1,3-Dichlo...	0.450	0.429	0.462	0.430	0.476	0.472	0.475	0.493	0.444	0.459	4.83
59)	I Chlorobenzene-d5	-----ISTD-----										
60)	S Toluene-d8	1.353	1.356	1.327	1.332	1.308	1.301	1.303	1.342	1.336	1.329	1.56
61)	TC Toluene	0.966	0.900	0.907	0.893	0.964	0.940	0.950	0.920	0.930	3.11	
62)	TP 4-Methyl-2-pen...	0.090	0.091	0.086	0.090	0.091	0.089		0.106	0.092#	7.30	
63)	TP Tetrachloroethene	0.367	0.409	0.413	0.429	0.468	0.454	0.461	0.413	0.329	0.416	10.88
65)	TP trans-1,3-Dich...	0.476	0.489	0.520	0.483	0.524	0.519	0.519	0.489	0.502	3.93	
67)	TP Ethyl methacry...	0.363	0.325	0.349	0.329	0.353	0.352	0.349	0.352	0.347	3.70	
68)	TP 1,1,2-Trichlor...	0.272	0.248	0.248	0.233	0.248	0.247	0.246	0.260	0.250	4.55	
69)	TP Chlorodibromom...	0.450	0.416	0.433	0.403	0.437	0.433	0.433	0.509	0.441	0.440	6.69
70)	TP 1,3-Dichloropr...	0.483	0.465	0.479	0.446	0.476	0.466	0.465	0.481	0.470	2.60	
71)	TP 1,2-Dibromoethane	0.298	0.289	0.308	0.288	0.309	0.306	0.305	0.293	0.299	2.93	
72)	TP 2-Hexanone	0.166	0.155	0.150	0.158	0.157	0.152		0.191	0.161	8.88	
73)	TP Chlorobenzene	1.223	1.085	1.100	1.050	1.146	1.105	1.112	1.472	1.151	1.160	10.92

Response Factor Report VOA 104

Method Path : I:\VOLATILES\VOA104\2020\200602B\
 Method File : V104_200602B_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Jun 02 13:53:50 2020
 Response Via : Initial Calibration

Calibration Files

L1 =V04200602A04.D L2 =V04200602A06.D L3 =V04200602A07.D L4 =V04200602A08.D L6 =V04200602A09.D
 L7 =V04200602A10.D L8 =V04200602A11.D L0 =V04200602A03.D L1.5=V04200602A05.D

	Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
74)	TC Ethylbenzene	1.890	1.734	1.731	1.708	1.856	1.750	1.747		1.702	1.765	3.93
75)	TP 1,1,1,2-Tetrac...	0.445	0.419	0.432	0.408	0.438	0.420	0.419	0.535	0.452	0.441	8.65
76)	TP p/m Xylene	0.686	0.664	0.679	0.671	0.734	0.689	0.682	0.818	0.668	0.699	7.01
77)	TP o Xylene	0.702	0.656	0.670	0.649	0.716	0.670	0.666	0.860	0.700	0.699	9.25
78)	TP Styrene	1.158	1.068	1.113	1.070	1.167	1.088	1.079	1.403	1.154	1.144	9.13
79)	I 1,4-Dichlorobenzene-d4	-----ISTD-----										
80)	TP Bromoform	0.505	0.487	0.517	0.484	0.533	0.544	0.539		0.523	0.517	4.43
82)	TP Isopropylbenzene	3.311	3.353	3.360	3.327	3.657	3.548	3.577		3.004	3.392	6.03
83)	S 4-Bromofluorob...	0.931	0.919	0.895	0.899	0.897	0.917	0.923	0.926	0.911	0.913	1.45
84)	TP Bromobenzene	1.031	0.945	0.948	0.882	0.975	0.974	0.988		1.001	0.968	4.60
85)	TP n-Propylbenzene	3.953	3.942	4.000	3.906	4.293	4.113	4.126		3.604	3.992	5.06
86)	TP 1,4-Dichlorobu...	0.969	0.819	0.791	0.726	0.788	0.791	0.780		0.897	0.820	9.35
87)	TP 1,1,2,2-Tetrac...	0.746	0.693	0.674	0.626	0.688	0.699	0.694	0.891	0.741	0.717	10.34
88)	TP 4-Ethyltoluene	3.394	3.259	3.310	3.243	3.534	3.400	3.436		3.104	3.335	4.02
89)	TP 2-Chlorotoluene	2.661	2.368	2.359	2.247	2.471	2.342	2.376		2.443	2.408	5.08
90)	TP 1,3,5-Trimethy...	2.988	2.835	2.839	2.748	2.997	2.893	2.922		2.799	2.878	3.07
91)	TP 1,2,3-Trichlor...	0.537	0.506	0.503	0.463	0.506	0.515	0.509		0.542	0.510	4.70
92)	TP trans-1,4-Dich...	0.121	0.154	0.153	0.144	0.156	0.160	0.160		0.131	0.147	9.77
93)	TP 4-Chlorotoluene	2.879	2.478	2.405	2.289	2.516	2.442	2.502		2.564	2.509	6.82
94)	TP tert-Butylbenzene	2.374	2.388	2.463	2.405	2.617	2.513	2.540		2.169	2.434	5.57
97)	TP 1,2,4-Trimethy...	3.014	2.763	2.802	2.705	2.949	2.850	2.889		2.888	2.858	3.50
98)	TP sec-Butylbenzene	3.483	3.561	3.644	3.569	3.820	3.669	3.667		3.109	3.565	5.88
99)	TP p-Isopropyltol...	3.034	3.018	3.156	3.091	3.319	3.183	3.210		2.761	3.097	5.40
100)	TP 1,3-Dichlorobe...	1.874	1.678	1.739	1.629	1.783	1.713	1.746		1.814	1.747	4.42
101)	TP 1,4-Dichlorobe...	2.025	1.764	1.760	1.615	1.754	1.698	1.725		1.864	1.776	6.91
102)	TP p-Diethylbenzene	1.797	1.840	1.871	1.805	1.925	1.885	1.926		1.689	1.842	4.28
103)	TP n-Butylbenzene	2.714	2.685	2.830	2.758	2.928	2.805	2.855		2.480	2.757	4.95
104)	TP 1,2-Dichlorobe...	1.678	1.515	1.577	1.481	1.591	1.559	1.579		1.662	1.580	4.21
105)	TP 1,2,4,5-Tetram...	2.776	2.527	2.700	2.558	2.799	2.866	2.979		2.633	2.730	5.68
106)	TP 1,2-Dibromo-3-...	0.088	0.100	0.107	0.101	0.111	0.117	0.117		0.100	0.105	9.40
107)	TP 1,3,5-Trichlor...	1.303	1.181	1.222	1.132	1.196	1.174	1.230		1.289	1.216	4.77

Response Factor Report VOA 104

Method Path : I:\VOLATILES\VOA104\2020\200602B\
Method File : V104_200602B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jun 02 13:53:50 2020
Response Via : Initial Calibration

Calibration Files

L1 =V04200602A04.D L2 =V04200602A06.D L3 =V04200602A07.D L4 =V04200602A08.D L6 =V04200602A09.D
L7 =V04200602A10.D L8 =V04200602A11.D L0 =V04200602A03.D L1.5=V04200602A05.D

Compound		L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
108)	TP Hexachlorobuta...	0.589	0.553	0.591	0.536	0.563	0.573	0.605	0.524	0.567	4.97	
109)	TP 1,2,4-Trichlor...	1.123	0.980	1.030	0.952	1.016	1.005	1.061	1.061	1.028	5.21	
110)	TP Naphthalene	1.705	1.630	1.689	1.581	1.768	1.859	1.893	1.641	1.721	6.44	
111)	TP 1,2,3-Trichlor...	0.961	0.884	0.902	0.826	0.884	0.897	0.930	0.944	0.904	4.66	

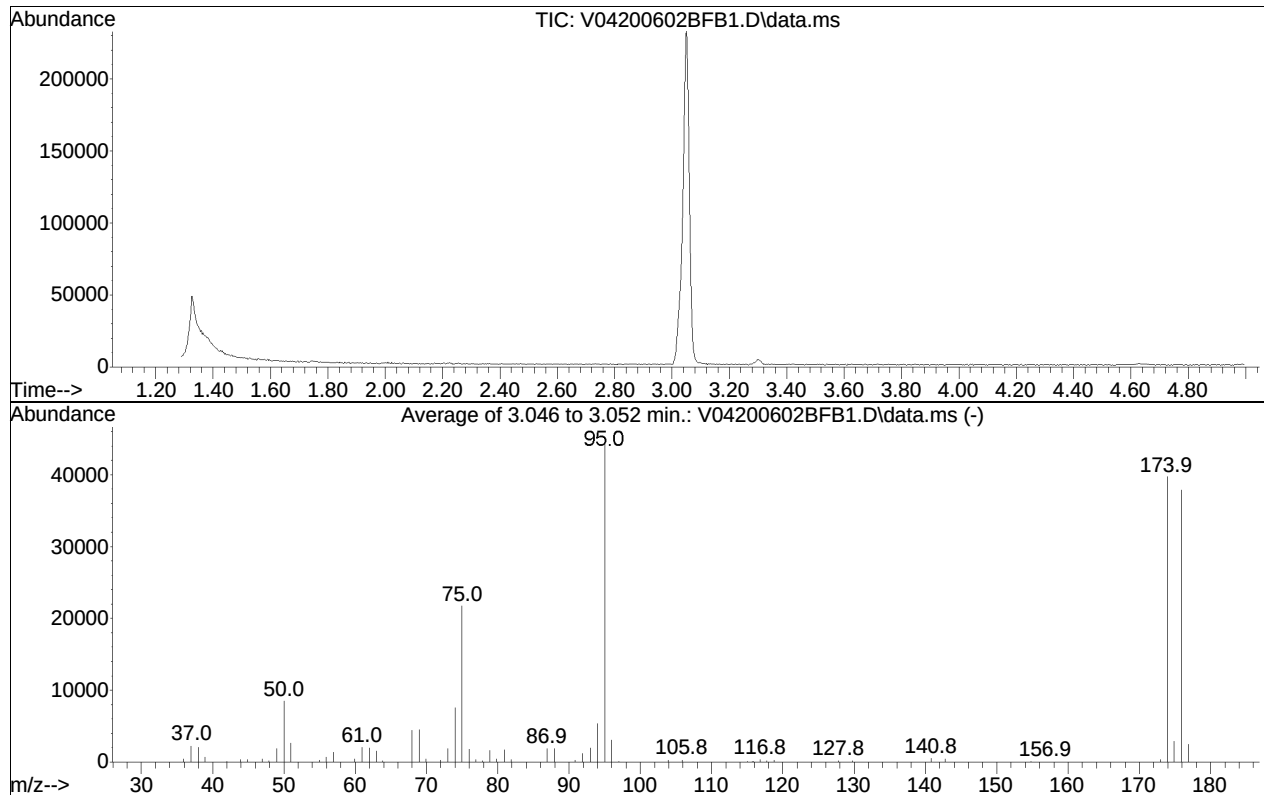
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602BFB1.D
 Acq On : 2 Jun 2020 3:35 am
 Operator : VOA104:MKS
 Sample : WG1377027-1
 Misc : WG1377027
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Jun 02 13:53:50 2020



AutoFind: Scans 631, 632, 633; Background Corrected with Scan 613

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	8482	PASS
75	95	30	60	49.0	21797	PASS
95	95	100	100	100.0	44459	PASS
96	95	5	9	6.9	3052	PASS
173	174	0.00	2	1.0	378	PASS
174	95	50	100	89.5	39779	PASS
175	174	5	9	7.5	2966	PASS
176	174	95	101	95.3	37896	PASS
177	176	5	9	6.5	2464	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A03.D
 Acq On : 2 Jun 2020 4:50 am
 Operator : VOA104:MKS
 Sample : I8260STDLO.5PPB
 Misc : WG1377027
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 02 13:37:29 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-L0 - SOILS Level 0.5ppb with Chlorodibromomethane

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

Internal Standards						
1) Fluorobenzene	5.623	96	219733	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery =	102.63%		
59) Chlorobenzene-d5	9.110	117	160413	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery =	100.70%		
79) 1,4-Dichlorobenzene-d4	11.894	152	80849	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery =	98.50%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	62792	19.741	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.70%		
43) 1,2-Dichloroethane-d4	5.356	65	52169	20.185	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.93%		
60) Toluene-d8	7.285	98	215222	20.150	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.75%		
83) 4-Bromofluorobenzene	10.646	95	74829	20.587	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.94%		
Target Compounds						Qvalue
37) 1,1,1-Trichloroethane	4.858	97	2776	0.552	ug/L	# 88
40) 1,1-Dichloropropene	4.978	75	2027	0.513	ug/L	90
41) Benzene	5.220	78	7851	0.700	ug/L	93
48) Trichloroethene	5.802	95	2082	0.631	ug/L	93
54) Bromodichloromethane	6.415	83	2888	0.682	ug/L	# 94
58) cis-1,3-Dichloropropene	7.102	75	2710	0.574	ug/L	# 69
63) Tetrachloroethene	7.783	166	1656	0.482	ug/L	94
69) Chlorodibromomethane	8.224	129	2040	0.631	ug/L	97
73) Chlorobenzene	9.131	112	5905	0.701	ug/L	# 74
75) 1,1,1,2-Tetrachloroethane	9.215	131	2147	0.657	ug/L	# 85
76) p/m Xylene	9.356	106	6558	1.219	ug/L	87
77) o Xylene	9.902	106	6900	1.326	ug/L	94
78) Styrene	9.986	104	11249	1.311	ug/L	100
87) 1,1,2,2-Tetrachloroethane	10.919	83	1800	0.712	ug/L	93

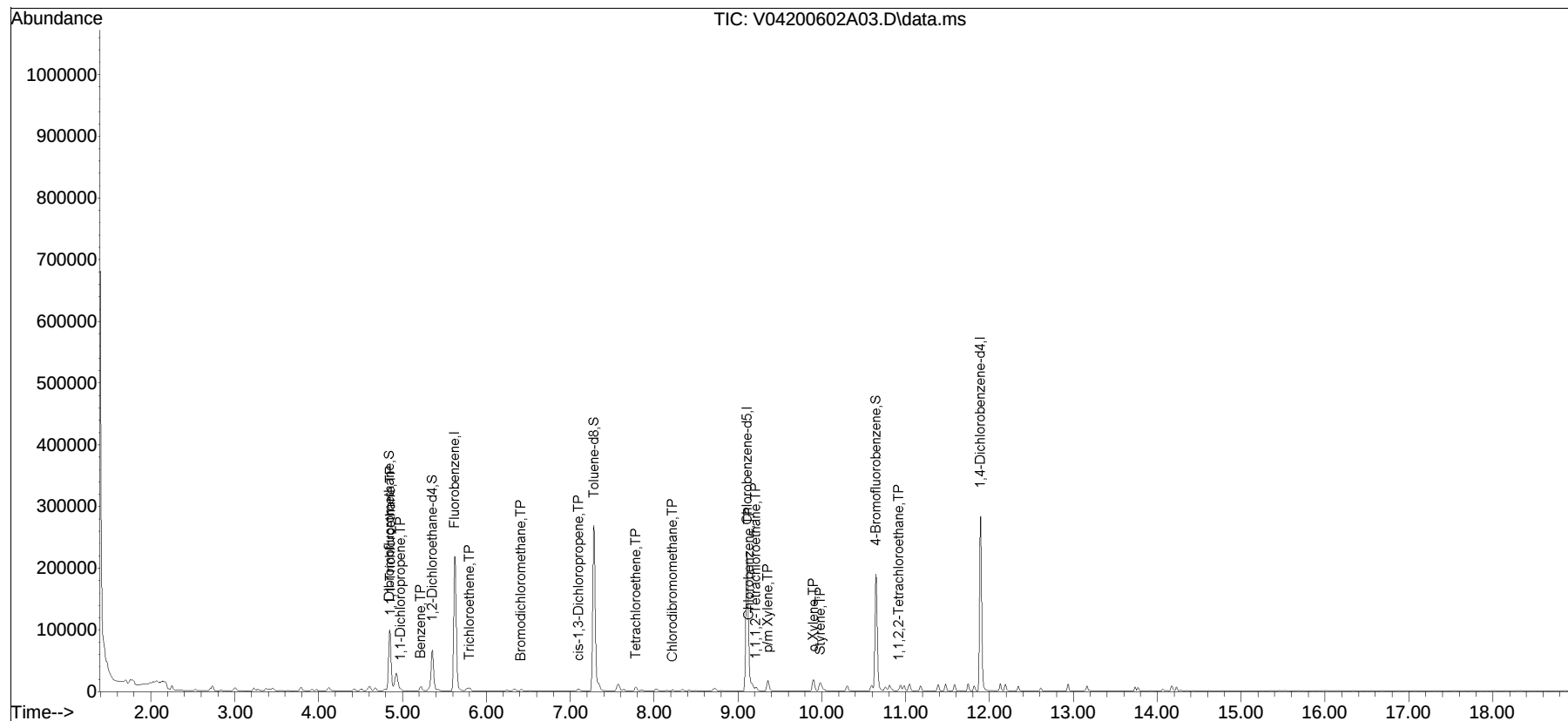
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A03.D
 Acq On : 2 Jun 2020 4:50 am
 Operator : VOA104:MKS
 Sample : I8260STDLO.5PPB
 Misc : WG1377027
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 02 13:37:29 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

Sub List : 8260-L0 - SOILS Level 0.5ppb with Chlorodibromomethane



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\2Q	Method	: V104_200602B_8260.m
Data File	: V04200602A03.D	Operator	: VOA104:MKS
Date Inj'd	: 6/2/2020 4:50 am	Instrument	: VOA 104
Sample	: I8260STDLO.5PPB	Quant Date	: 6/2/2020 1:36 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A04.D
 Acq On : 2 Jun 2020 5:16 am
 Operator : VOA104:MKS
 Sample : I8260STD1.0PPB
 Misc : WG1377027
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 02 13:51:37 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:50:14 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	222972	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery = 104.14%			
59) Chlorobenzene-d5	9.110	117	161472	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery = 101.37%			
79) 1,4-Dichlorobenzene-d4	11.894	152	79790	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery = 97.21%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	63546	19.757	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.79%			
43) 1,2-Dichloroethane-d4	5.356	65	52575	19.760	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.80%			
60) Toluene-d8	7.280	98	218536	20.373	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.87%			
83) 4-Bromofluorobenzene	10.646	95	74252	20.383	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.92%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	1434	0.587	ug/L #	82
3) Chloromethane	1.691	50	3106	1.070	ug/L #	89
4) Vinyl chloride	1.748	62	2742	0.856	ug/L	92
5) Bromomethane	2.026	94	2694	1.033	ug/L #	65
6) Chloroethane	2.136	64	2476	1.168	ug/L	83
7) Trichlorofluoromethane	2.257	101	3283	0.642	ug/L	99
8) Ethyl ether	2.530	74	1275	0.972	ug/L	93
10) 1,1-Dichloroethene	2.708	96	2276	0.861	ug/L	80
11) Carbon disulfide	2.734	76	11355	1.291	ug/L	98
12) Freon-113	2.739	101	1697	0.578	ug/L #	1
13) Iodomethane	2.839	142	3568	0.864	ug/L	99
14) Acrolein	3.012	56	730	2.503	ug/L #	1
15) Methylene chloride	3.232	84	4004	1.223	ug/L	87
17) Acetone	3.274	43	4533	1.598	ug/L #	84
18) trans-1,2-Dichloroethene	3.374	96	3068	0.966	ug/L	87
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.452	73	7436	1.058	ug/L #	60
21) tert-Butyl alcohol	3.557	59	1263	5.489	ug/L #	24
22) Diisopropyl ether	3.788	45	9819	1.054	ug/L #	81
23) 1,1-Dichloroethane	3.919	63	5916	1.037	ug/L	98
24) Halothane	3.972	117	2169	0.879	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A04.D
 Acq On : 2 Jun 2020 5:16 am
 Operator : VOA104:MKS
 Sample : I8260STD1.0PPB
 Misc : WG1377027
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 02 13:51:37 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:50:14 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	0.000		0	N.D.	d	
26) Ethyl tert-butyl ether	4.118	59	9621	1.084	ug/L #	68
27) Vinyl acetate	0.000		0	N.D.	d	
28) cis-1,2-Dichloroethene	4.422	96	3670	1.030	ug/L	89
29) 2,2-Dichloropropane	4.506	77	4765	0.993	ug/L	86
30) Bromochloromethane	4.606	128	1715	0.978	ug/L	90
31) Cyclohexane	4.590	56	2835	0.641	ug/L	81
32) Chloroform	4.679	83	7252	1.183	ug/L	97
33) Ethyl acetate	4.800	43	2388	1.260	ug/L #	72
34) Carbon tetrachloride	4.789	117	3756	1.246	ug/L	97
35) Tetrahydrofuran	4.821	42	824	1.250	ug/L #	63
37) 1,1,1-Trichloroethane	4.858	97	4558	0.899	ug/L	95
39) 2-Butanone	0.000		0	N.D.	d	
40) 1,1-Dichloropropene	4.978	75	3566	0.909	ug/L	94
41) Benzene	5.219	78	12866	1.030	ug/L	94
42) tert-Amyl methyl ether	5.319	73	8383	1.051	ug/L	100
44) 1,2-Dichloroethane	5.424	62	4119	1.075	ug/L	97
47) Methyl cyclohexane	5.775	83	3290	0.666	ug/L	100
48) Trichloroethene	5.801	95	3245	0.927	ug/L	99
50) Dibromomethane	6.242	93	1804	0.952	ug/L	96
51) 1,2-Dichloropropane	6.331	63	3276	1.038	ug/L	97
53) 2-Chloroethyl vinyl ether	7.049	63	1223	0.818	ug/L #	38
54) Bromodichloromethane	6.415	83	4792	1.012	ug/L #	97
57) 1,4-Dioxane	6.630	88	455	26.531	ug/L #	73
58) cis-1,3-Dichloropropene	7.096	75	5022	0.981	ug/L #	83
61) Toluene	7.338	92	7797	1.038	ug/L	93
62) 4-Methyl-2-pentanone	7.783	58	1202	1.623	ug/L #	40
63) Tetrachloroethene	7.783	166	2962	0.882	ug/L	90
65) trans-1,3-Dichloropropene	7.846	75	3844	0.948	ug/L #	79
67) Ethyl methacrylate	8.030	69	2930	1.047	ug/L	96
68) 1,1,2-Trichloroethane	8.019	83	2193	1.085	ug/L	94
69) Chlorodibromomethane	8.224	129	3637	1.025	ug/L	94
70) 1,3-Dichloropropane	8.339	76	3901	1.028	ug/L	99
71) 1,2-Dibromoethane	8.496	107	2404	0.995	ug/L	97
72) 2-Hexanone	8.795	43	1801	1.383	ug/L #	66
73) Chlorobenzene	9.131	112	9870	1.054	ug/L #	85
74) Ethylbenzene	9.167	91	15257	1.071	ug/L	97
75) 1,1,1,2-Tetrachloroethane	9.215	131	3593	1.009	ug/L	88
76) p/m Xylene	9.356	106	11081	1.964	ug/L	92
77) o Xylene	9.901	106	11337	2.009	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A04.D
 Acq On : 2 Jun 2020 5:16 am
 Operator : VOA104:MKS
 Sample : I8260STD1.0PPB
 Misc : WG1377027
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 02 13:51:37 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:50:14 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.980	104	18705	2.024	ug/L	99
80)	Bromoform	10.001	173	2014	0.977	ug/L	92
82)	Isopropylbenzene	10.300	105	13210	0.976	ug/L	99
84)	Bromobenzene	10.761	156	4114	1.065	ug/L	95
85)	n-Propylbenzene	10.808	91	15770	0.990	ug/L	97
86)	1,4-Dichlorobutane	10.835	55	3865	1.181	ug/L	94
87)	1,1,2,2-Tetrachloroethane	10.919	83	2975	1.040	ug/L	97
88)	4-Ethyltoluene	10.940	105	13541	1.018	ug/L	100
89)	2-Chlorotoluene	10.981	91	10618	1.105	ug/L	100
90)	1,3,5-Trimethylbenzene	11.044	105	11919	1.038	ug/L	97
91)	1,2,3-Trichloropropane	11.055	75	2142	1.052	ug/L	90
92)	trans-1,4-Dichloro-2-b...	11.134	53	482	0.820	ug/L #	55
93)	4-Chlorotoluene	11.175	91	11487	1.147	ug/L	98
94)	tert-Butylbenzene	11.390	119	9470	0.975	ug/L	98
97)	1,2,4-Trimethylbenzene	11.474	105	12024	1.055	ug/L	98
98)	sec-Butylbenzene	11.584	105	13897	0.977	ug/L	97
99)	p-Isopropyltoluene	11.747	119	12105	0.980	ug/L	97
100)	1,3-Dichlorobenzene	11.815	146	7476	1.073	ug/L	99
101)	1,4-Dichlorobenzene	11.909	146	8079M3	1.140	ug/L	
102)	p-Diethylbenzene	12.130	119	7169	0.975	ug/L	98
103)	n-Butylbenzene	12.187	91	10826	0.984	ug/L	97
104)	1,2-Dichlorobenzene	12.345	146	6694	1.062	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.937	119	11074	1.017	ug/L	97
106)	1,2-Dibromo-3-chloropr...	13.136	155	351	0.837	ug/L	95
107)	1,3,5-Trichlorobenzene	13.163	180	5197	1.071	ug/L	96
108)	Hexachlorobutadiene	13.739	225	2349	1.039	ug/L	97
109)	1,2,4-Trichlorobenzene	13.771	180	4482	1.093	ug/L #	95
110)	Naphthalene	14.064	128	6804	0.991	ug/L	100
111)	1,2,3-Trichlorobenzene	14.227	180	3833	1.063	ug/L	96

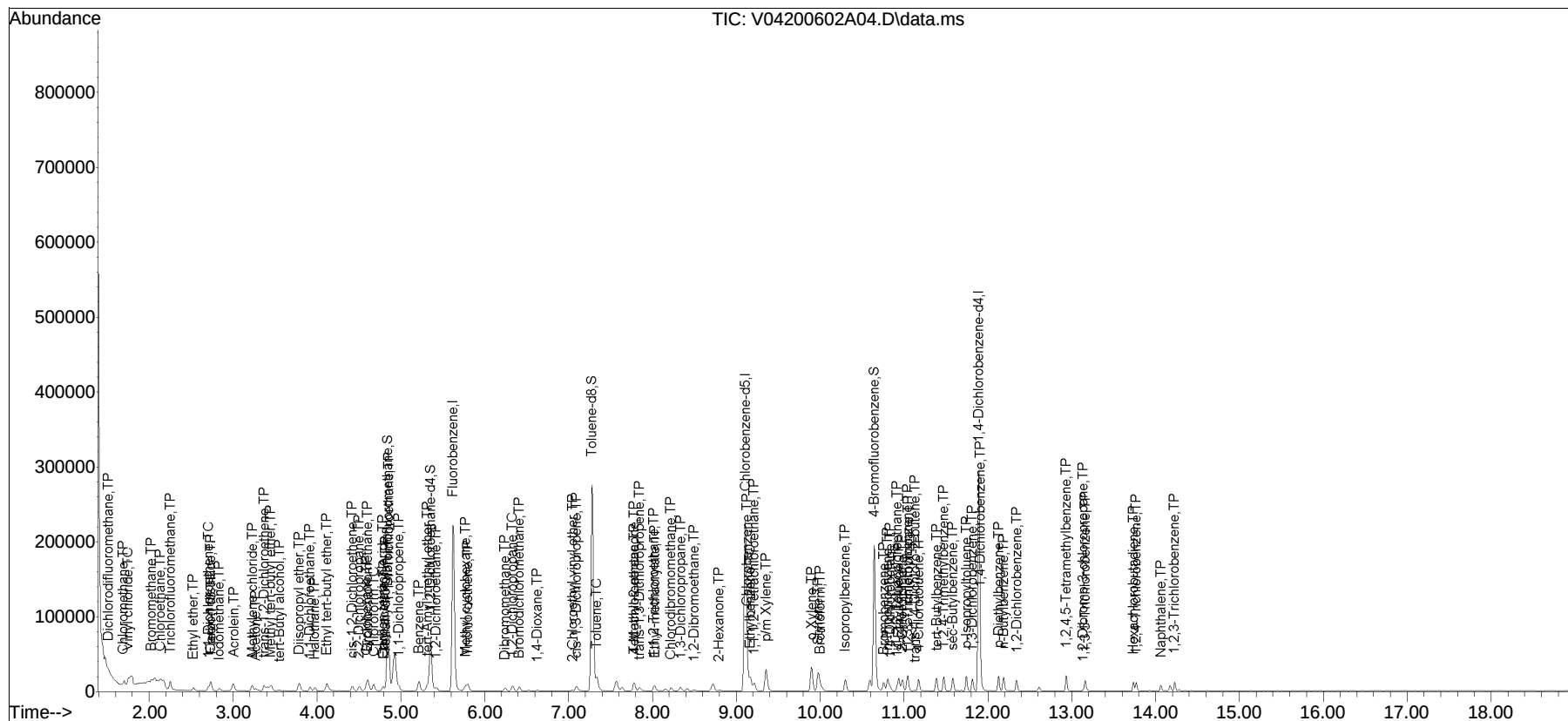
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
Data File : V04200602A04.D
Acq On : 2 Jun 2020 5:16 am
Operator : VOA104:MKS
Sample : I8260STDL1.0PPB
Misc : WG1377027
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 02 13:51:37 2020
Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:50:14 2020
Response via : Initial Calibration

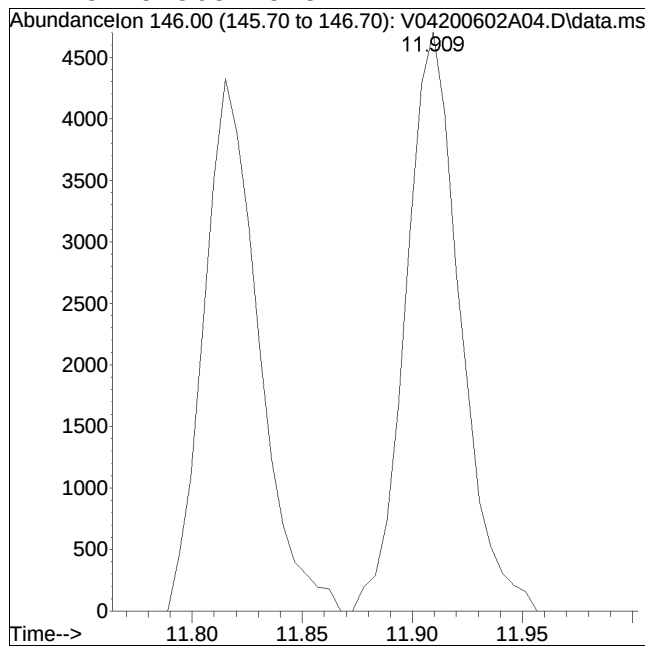
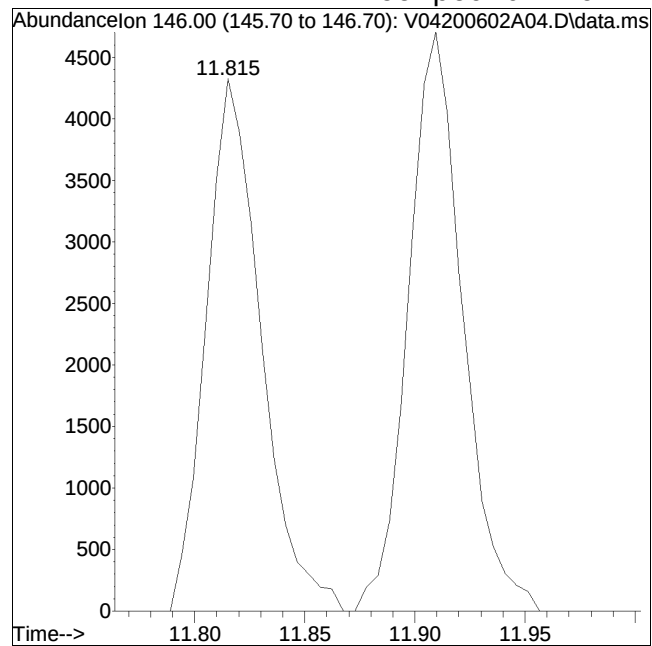
Sub List : 8260-Curve - Megamix plus Diox00602B\V04200602A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2020\2QMethod : V104_200602B_8260.m
Data File : V04200602A04.D Operator : VOA104:MKS
Date Inj'd : 6/2/2020 5:16 am Instrument : VOA 104
Sample : I8260STD1.0PPB Quant Date : 6/2/2020 1:51 pm

Compound #101: 1,4-Dichlorobenzene



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\VOA104\2020\200602B\
 Data File : V04200602A05.D
 Acq On : 2 Jun 2020 5:41 am
 Operator : VOA104:MKS
 Sample : I8260STD2.0PPB
 Misc : WG1377027
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 02 13:39:59 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	211525	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery =	98.79%		
59) Chlorobenzene-d5	9.110	117	155773	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery =	97.79%		
79) 1,4-Dichlorobenzene-d4	11.894	152	80306	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery =	97.84%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	60790	19.853	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.27%		
43) 1,2-Dichloroethane-d4	5.356	65	50787	20.413	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.07%		
60) Toluene-d8	7.285	98	208047	20.059	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.30%		
83) 4-Bromofluorobenzene	10.646	95	73183	20.270	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.35%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	1966	0.872	ug/L	90
3) Chloromethane	1.691	50	5502	2.144	ug/L	96
4) Vinyl chloride	1.749	62	4662	1.478	ug/L	94
5) Bromomethane	2.032	94	4984	No Calib		
6) Chloroethane	2.137	64	4382	2.190	ug/L	66
7) Trichlorofluoromethane	2.257	101	4681	0.985	ug/L	97
8) Ethyl ether	2.530	74	2572	2.227	ug/L	85
10) 1,1-Dichloroethene	2.708	96	3749	1.447	ug/L	79
11) Carbon disulfide	2.734	76	16008	2.098	ug/L	97
12) Freon-113	2.740	101	2396	0.879	ug/L #	1
13) Iodomethane	2.834	142	6908	1.790	ug/L	99
14) Acrolein	3.012	56	766M1	3.059	ug/L	
15) Methylene chloride	3.227	84	6754	2.456	ug/L	90
17) Acetone	3.274	43	4416	9.810	ug/L #	83
18) trans-1,2-Dichloroethene	3.369	96	5494	1.855	ug/L	87
19) Methyl acetate	3.390	43	2167M4	2.017	ug/L	
20) Methyl tert-butyl ether	3.453	73	13664	2.210	ug/L	91
21) tert-Butyl alcohol	3.552	59	2427	12.073	ug/L #	65
22) Diisopropyl ether	3.788	45	18162	2.201	ug/L	90
23) 1,1-Dichloroethane	3.919	63	10632	2.060	ug/L	96
24) Halothane	3.972	117	3558	1.481	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A05.D
 Acq On : 2 Jun 2020 5:41 am
 Operator : VOA104:MKS
 Sample : I8260STD2.0PPB
 Misc : WG1377027
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 02 13:39:59 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.998	53	600	1.387	ug/L	# 73
26) Ethyl tert-butyl ether	4.119	59	17206	2.208	ug/L	# 67
27) Vinyl acetate	4.160	43	6653M3	1.626	ug/L	
28) cis-1,2-Dichloroethene	4.423	96	6768	2.132	ug/L	89
29) 2,2-Dichloropropane	4.507	77	8032	1.781	ug/L	95
30) Bromochloromethane	4.611	128	3432	2.177	ug/L	87
31) Cyclohexane	4.590	56	4226	1.026	ug/L	89
32) Chloroform	4.680	83	12462	2.366	ug/L	99
33) Ethyl acetate	4.795	43	3786M3	2.421	ug/L	
34) Carbon tetrachloride	4.790	117	6312	1.348	ug/L	99
35) Tetrahydrofuran	4.826	42	1349	2.911	ug/L	90
37) 1,1,1-Trichloroethane	4.858	97	7642	1.577	ug/L	97
39) 2-Butanone	4.973	43	987	1.465	ug/L	# 80
40) 1,1-Dichloropropene	4.984	75	5596	1.470	ug/L	94
41) Benzene	5.214	78	22585	2.091	ug/L	96
42) tert-Amyl methyl ether	5.319	73	15629	2.215	ug/L	96
44) 1,2-Dichloroethane	5.424	62	7585	2.252	ug/L	99
47) Methyl cyclohexane	5.770	83	5104	1.126	ug/L	96
48) Trichloroethene	5.802	95	5897	1.858	ug/L	97
50) Dibromomethane	6.242	93	3524	2.068	ug/L	96
51) 1,2-Dichloropropane	6.336	63	6064	2.161	ug/L	95
53) 2-Chloroethyl vinyl ether	7.039	63	2535	1.795	ug/L	# 73
54) Bromodichloromethane	6.410	83	8951	2.197	ug/L	98
57) 1,4-Dioxane	6.625	88	1108	66.355	ug/L	# 55
58) cis-1,3-Dichloropropene	7.091	75	9386	2.064	ug/L	# 89
61) Toluene	7.343	92	14336	2.062	ug/L	98
62) 4-Methyl-2-pentanone	7.783	58	1656	2.485	ug/L	# 63
63) Tetrachloroethene	7.778	166	5128	1.536	ug/L	96
65) trans-1,3-Dichloropropene	7.846	75	7620	2.026	ug/L	89
67) Ethyl methacrylate	8.030	69	5488	2.142	ug/L	96
68) 1,1,2-Trichloroethane	8.014	83	4056	2.238	ug/L	99
69) Chlorodibromomethane	8.224	129	6865	2.187	ug/L	98
70) 1,3-Dichloropropane	8.334	76	7494	2.156	ug/L	99
71) 1,2-Dibromoethane	8.491	107	4563	2.036	ug/L	96
72) 2-Hexanone	8.795	43	2983	2.555	ug/L	# 72
73) Chlorobenzene	9.131	112	17925	2.192	ug/L	94
74) Ethylbenzene	9.168	91	26520	1.994	ug/L	97
75) 1,1,1,2-Tetrachloroethane	9.215	131	7040	2.218	ug/L	94
76) p/m Xylene	9.356	106	20811	3.985	ug/L	97
77) o Xylene	9.896	106	21806	4.315	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A05.D
 Acq On : 2 Jun 2020 5:41 am
 Operator : VOA104:MKS
 Sample : I8260STD2.0PPB
 Misc : WG1377027
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 02 13:39:59 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.975	104	35963	4.317	ug/L	100
80)	Bromoform	10.006	173	4202	2.164	ug/L	95
82)	Isopropylbenzene	10.300	105	24125	1.806	ug/L	99
84)	Bromobenzene	10.756	156	8038	2.269	ug/L	94
85)	n-Propylbenzene	10.803	91	28939	1.845	ug/L	98
86)	1,4-Dichlorobutane	10.835	55	7204	2.470	ug/L	96
87)	1,1,2,2-Tetrachloroethane	10.919	83	5947	2.368	ug/L	99
88)	4-Ethyltoluene	10.940	105	24924	1.914	ug/L	99
89)	2-Chlorotoluene	10.976	91	19621M1	2.175	ug/L	
90)	1,3,5-Trimethylbenzene	11.039	105	22481	2.037	ug/L	98
91)	1,2,3-Trichloropropane	11.050	75	4353	2.339	ug/L	97
92)	trans-1,4-Dichloro-2-b...	11.123	53	1055	1.830	ug/L #	68
93)	4-Chlorotoluene	11.170	91	20593M1	2.241	ug/L	
94)	tert-Butylbenzene	11.385	119	17421	1.804	ug/L	99
97)	1,2,4-Trimethylbenzene	11.475	105	23191	2.135	ug/L	99
98)	sec-Butylbenzene	11.585	105	24966	1.742	ug/L	98
99)	p-Isopropyltoluene	11.742	119	22175	1.787	ug/L	99
100)	1,3-Dichlorobenzene	11.815	146	14565	2.227	ug/L	100
101)	1,4-Dichlorobenzene	11.910	146	14972	2.309	ug/L	94
102)	p-Diethylbenzene	12.125	119	13565	1.871	ug/L	99
103)	n-Butylbenzene	12.188	91	19912	1.798	ug/L	98
104)	1,2-Dichlorobenzene	12.340	146	13348	2.244	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.932	119	21143	2.059	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.131	155	800	1.968	ug/L	95
107)	1,3,5-Trichlorobenzene	13.158	180	10355	2.278	ug/L	99
108)	Hexachlorobutadiene	13.734	225	4206	1.953	ug/L	99
109)	1,2,4-Trichlorobenzene	13.766	180	8519	2.229	ug/L	97
110)	Naphthalene	14.065	128	13176	2.075	ug/L	100
111)	1,2,3-Trichlorobenzene	14.227	180	7581	2.285	ug/L	99

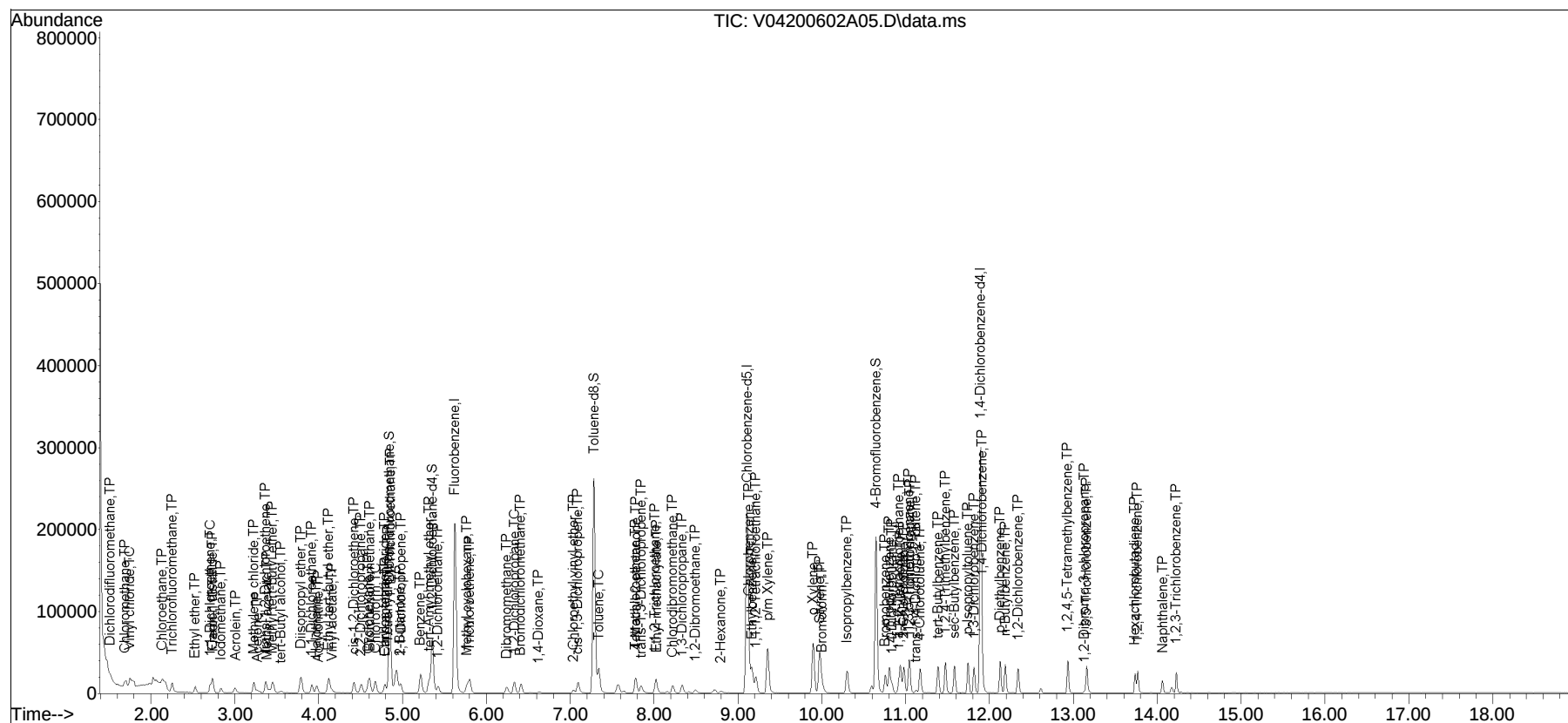
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
Data File : V04200602A05.D
Acq On : 2 Jun 2020 5:41 am
Operator : VOA104:MKS
Sample : I8260STDL2.0PPB
Misc : WG1377027
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 02 13:39:59 2020
Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:35:32 2020
Response via : Initial Calibration

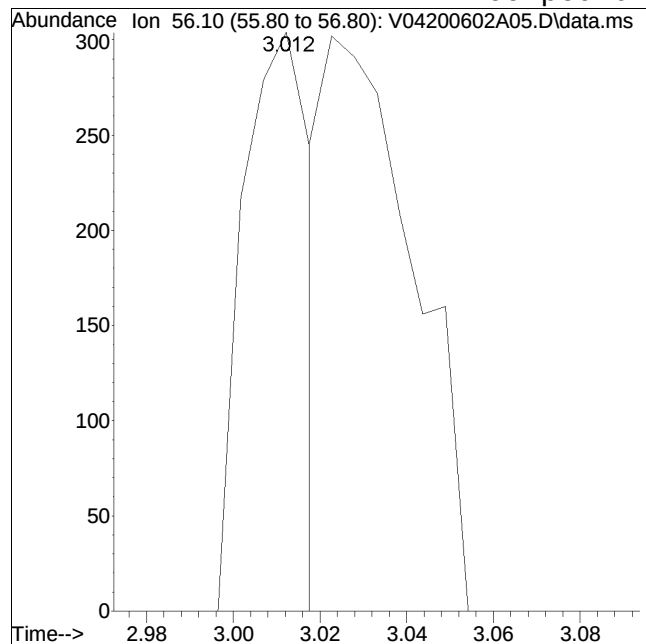
Sub List : 8260-Curve - Megamix plus Diox00602B\V04200602A08.D•



Manual Integration Report

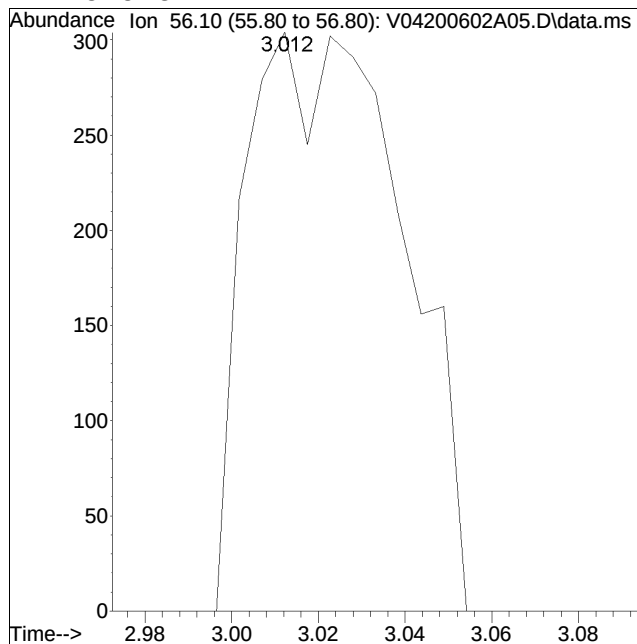
Data Path : I:\VOLATILES\VOA104\2020\2QMethod : V104_200602B_8260.m
Data File : V04200602A05.D Operator : VOA104:MKS
Date Inj'd : 6/2/2020 5:41 am Instrument : VOA 104
Sample : I8260STD L2.0PPB Quant Date : 6/2/2020 1:36 pm

Compound #14: Acrolein



Original Peak Response = 329

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

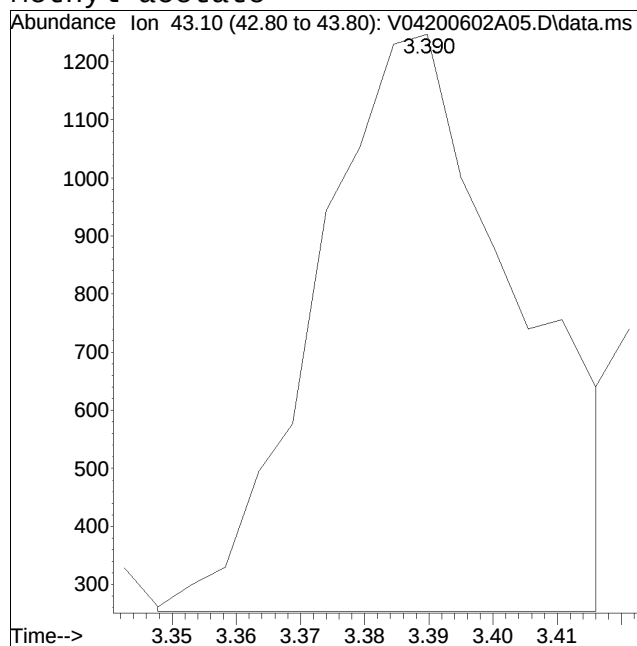
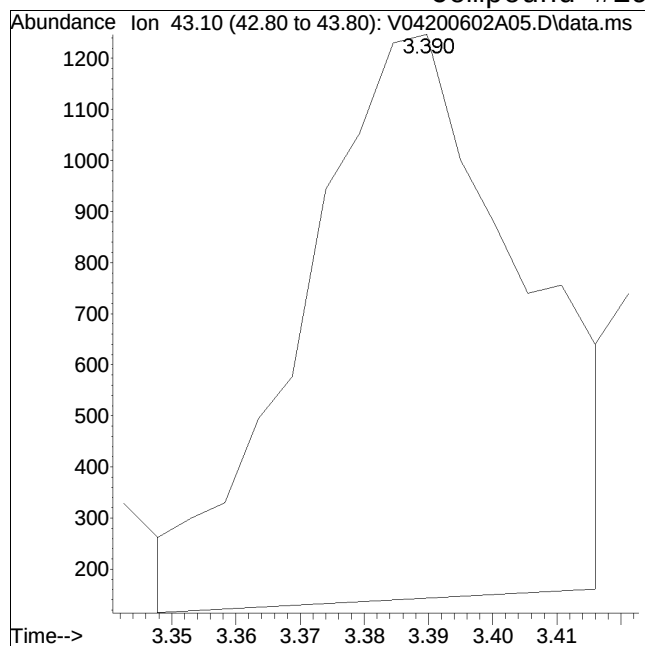


Manual Peak Response = 766 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2020\20Method : V104_200602B_8260.m
Data File : V04200602A05.D Operator : VOA104:MKS
Date Inj'd : 6/2/2020 5:41 am Instrument : VOA 104
Sample : I8260STDL2.0PPB Quant Date : 6/2/2020 1:36 pm

Compound #19: Methyl acetate



Original Peak Response = 2641

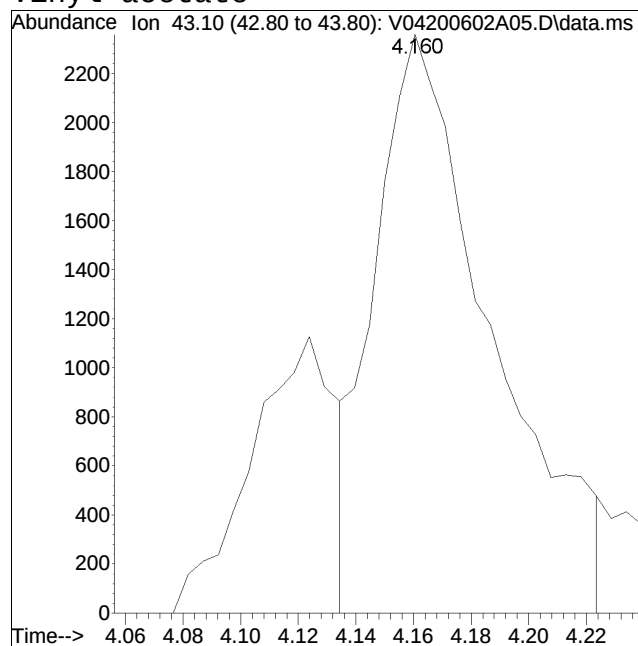
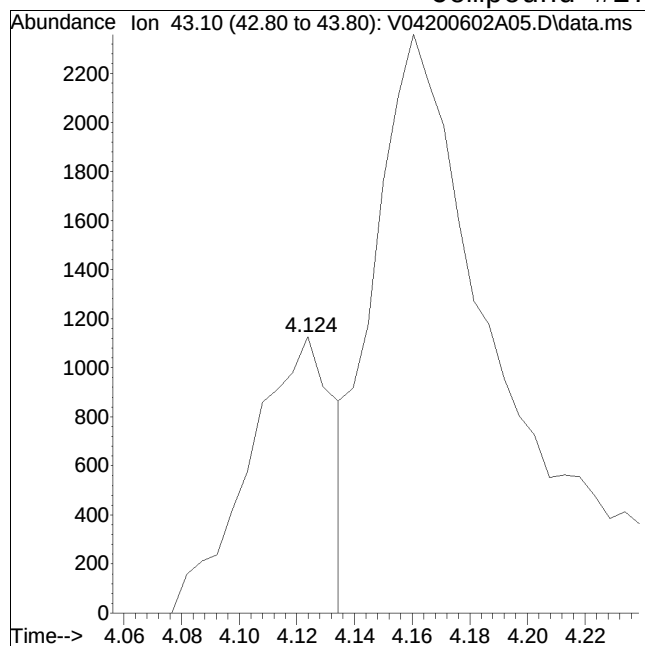
Manual Peak Response = 2167 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2020\20Method : V104_200602B_8260.m
Data File : V04200602A05.D Operator : VOA104:MKS
Date Inj'd : 6/2/2020 5:41 am Instrument : VOA 104
Sample : I8260STDL2.0PPB Quant Date : 6/2/2020 1:36 pm

Compound #27: Vinyl acetate



Original Peak Response = 2287

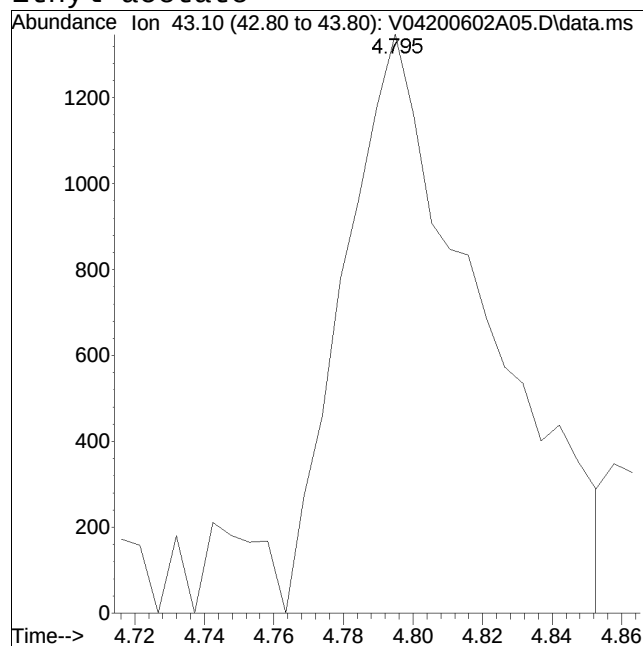
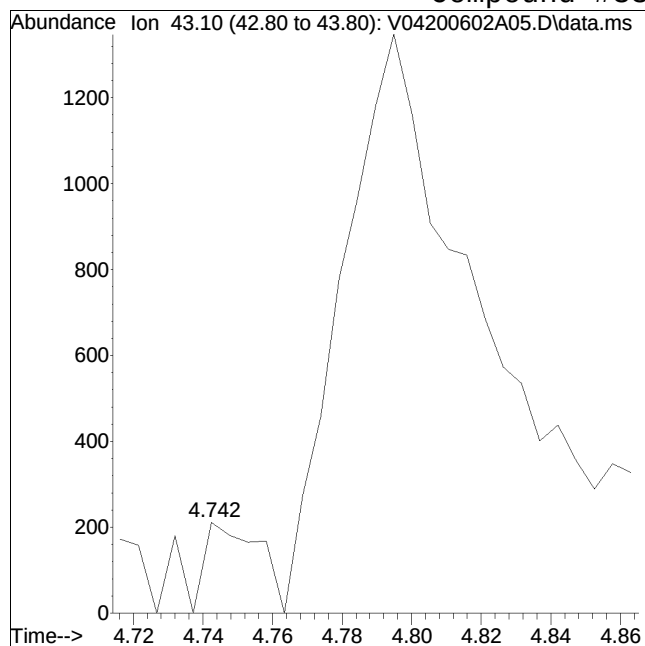
Manual Peak Response = 6653 M3

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\VOA104\2020\20Method : V104_200602B_8260.m
Data File : V04200602A05.D Operator : VOA104:MKS
Date Inj'd : 6/2/2020 5:41 am Instrument : VOA 104
Sample : I8260STDL2.0PPB Quant Date : 6/2/2020 1:36 pm

Compound #33: Ethyl acetate



Original Peak Response = 285

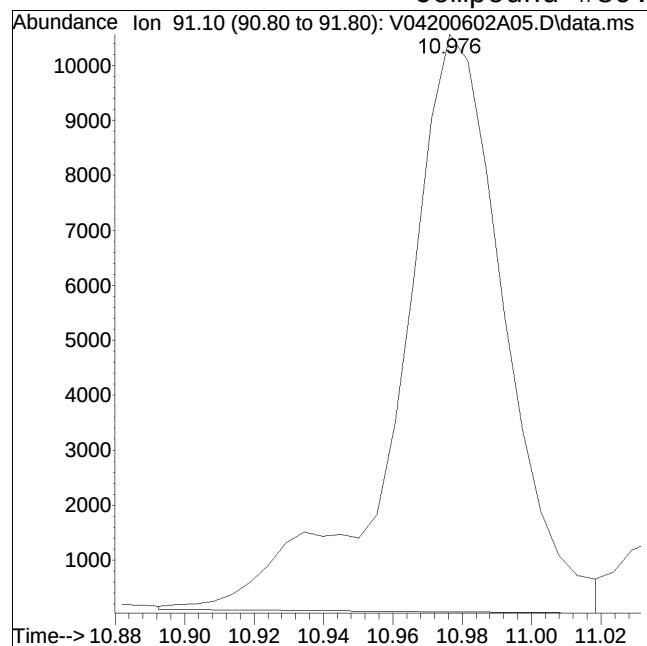
Manual Peak Response = 3786 M3

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

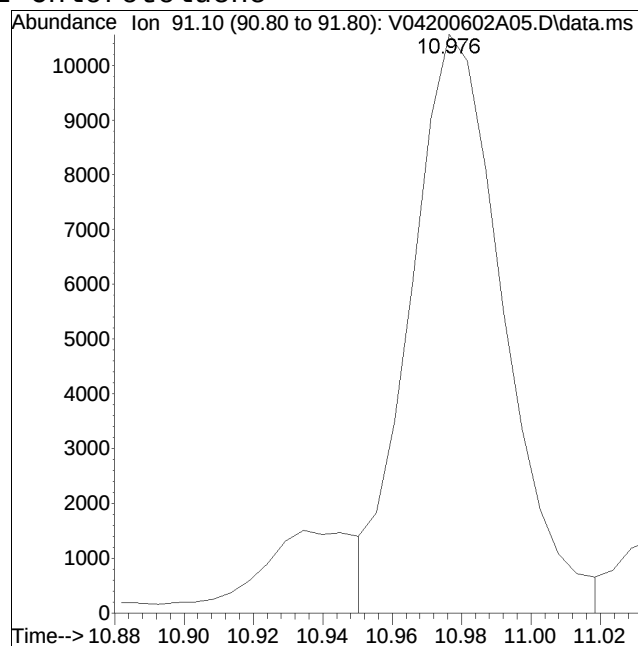
Data Path : I:\VOLATILES\VOA104\2020\20Method : V104_200602B_8260.m
Data File : V04200602A05.D Operator : VOA104:MKS
Date Inj'd : 6/2/2020 5:41 am Instrument : VOA 104
Sample : I8260STDL2.0PPB Quant Date : 6/2/2020 1:36 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 22115

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

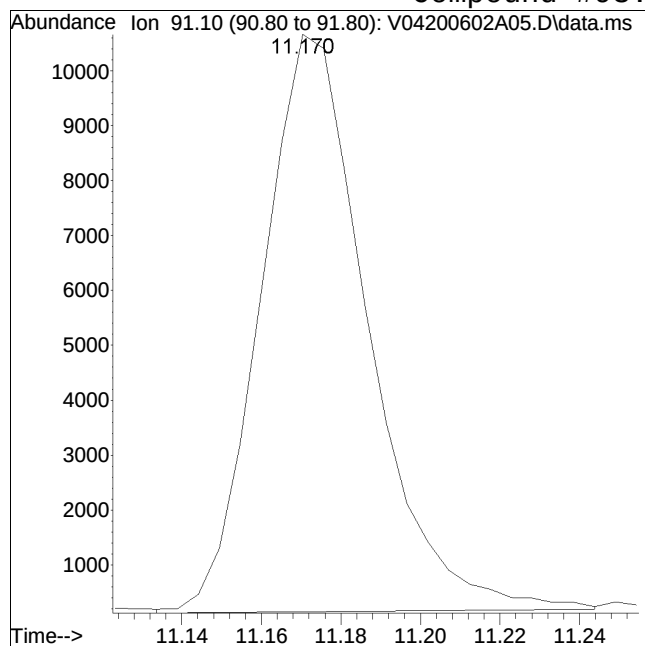


Manual Peak Response = 19621 M1

Manual Integration Report

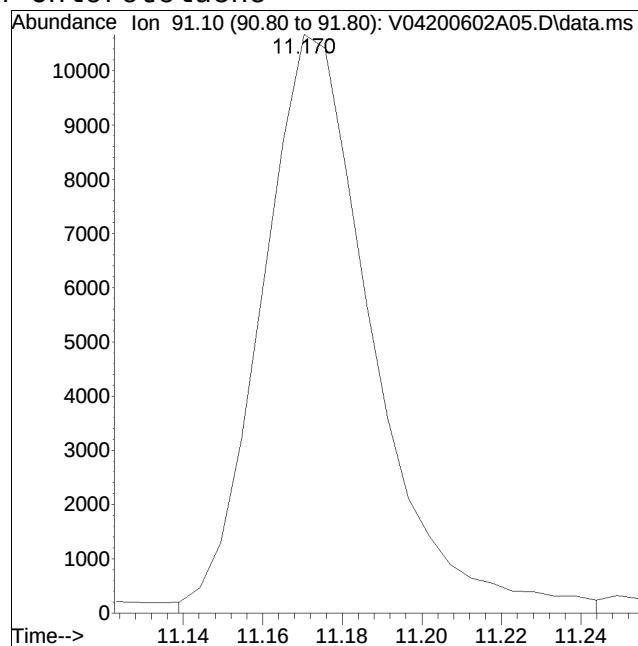
Data Path : I:\VOLATILES\VOA104\2020\20Method : V104_200602B_8260.m
Data File : V04200602A05.D Operator : VOA104:MKS
Date Inj'd : 6/2/2020 5:41 am Instrument : VOA 104
Sample : I8260STDL2.0PPB Quant Date : 6/2/2020 1:36 pm

Compound #93: 4-Chlorotoluene



Original Peak Response = 19626

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



Manual Peak Response = 20593 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A06.D
 Acq On : 2 Jun 2020 6:07 am
 Operator : VOA104:MKS
 Sample : I8260STD4.0PPB
 Misc : WG1377027
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 02 13:54:06 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.628	96	222235	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery	=	103.79%	
59) Chlorobenzene-d5	9.110	117	162676	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery	=	102.12%	
79) 1,4-Dichlorobenzene-d4	11.894	152	81232	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery	=	98.97%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	64399	20.088	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.44%	
43) 1,2-Dichloroethane-d4	5.356	65	53850	20.306	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	101.53%	
60) Toluene-d8	7.280	98	220569	20.411	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.06%	
83) 4-Bromofluorobenzene	10.646	95	74692	20.140	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	8731	3.587	ug/L	95
3) Chloromethane	1.691	50	11019	3.808	ug/L	98
4) Vinyl chloride	1.749	62	12519	3.923	ug/L	99
5) Bromomethane	2.026	94	10131	3.897	ug/L	92
6) Chloroethane	2.137	64	8700	4.119	ug/L	83
7) Trichlorofluoromethane	2.257	101	17804	3.494	ug/L	99
8) Ethyl ether	2.530	74	4893	3.743	ug/L #	84
10) 1,1-Dichloroethene	2.708	96	10026	3.804	ug/L	87
11) Carbon disulfide	2.734	76	34462	3.931	ug/L	100
12) Freon-113	2.739	101	10302	3.520	ug/L	78
13) Iodomethane	2.839	142	14167	3.442	ug/L	97
14) Acrolein	3.012	56	1314	4.520	ug/L #	1
15) Methylene chloride	3.232	84	12434	3.812	ug/L	92
17) Acetone	3.280	43	4687	3.840	ug/L #	88
18) trans-1,2-Dichloroethene	3.369	96	11958	3.776	ug/L	89
19) Methyl acetate	3.384	43	4706	3.866	ug/L	99
20) Methyl tert-butyl ether	3.453	73	27393	3.910	ug/L	94
21) tert-Butyl alcohol	3.552	59	4647	20.261	ug/L #	88
22) Diisopropyl ether	3.788	45	35577	3.833	ug/L	92
23) 1,1-Dichloroethane	3.919	63	21790	3.833	ug/L	98
24) Halothane	3.977	117	9556	3.886	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A06.D
 Acq On : 2 Jun 2020 6:07 am
 Operator : VOA104:MKS
 Sample : I8260STD4.0PPB
 Misc : WG1377027
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 02 13:54:06 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.993	53	1562	3.246	ug/L	# 83
26) Ethyl tert-butyl ether	4.118	59	34344	3.884	ug/L	# 66
27) Vinyl acetate	4.155	43	14970M1	3.168	ug/L	
28) cis-1,2-Dichloroethene	4.422	96	13710	3.862	ug/L	87
29) 2,2-Dichloropropane	4.506	77	18683	3.906	ug/L	97
30) Bromochloromethane	4.611	128	6619	3.788	ug/L	88
31) Cyclohexane	4.590	56	15839	3.592	ug/L	83
32) Chloroform	4.679	83	23978	3.924	ug/L	100
33) Ethyl acetate	4.795	43	7224	3.825	ug/L	97
34) Carbon tetrachloride	4.790	117	18385	3.987	ug/L	98
35) Tetrahydrofuran	4.826	42	2614	3.977	ug/L	97
37) 1,1,1-Trichloroethane	4.858	97	19654	3.888	ug/L	98
39) 2-Butanone	4.978	43	2263	3.130	ug/L	# 58
40) 1,1-Dichloropropene	4.978	75	15485	3.962	ug/L	97
41) Benzene	5.214	78	45762	3.677	ug/L	96
42) tert-Amyl methyl ether	5.319	73	30759	3.869	ug/L	95
44) 1,2-Dichloroethane	5.424	62	14720	3.856	ug/L	97
47) Methyl cyclohexane	5.775	83	17244	3.500	ug/L	87
48) Trichloroethene	5.801	95	12935	3.709	ug/L	99
50) Dibromomethane	6.242	93	7294	3.861	ug/L	97
51) 1,2-Dichloropropane	6.331	63	12048	3.831	ug/L	97
53) 2-Chloroethyl vinyl ether	7.034	63	5618	3.769	ug/L	93
54) Bromodichloromethane	6.415	83	17496	3.708	ug/L	100
57) 1,4-Dioxane	6.625	88	4329	253.258	ug/L	# 84
58) cis-1,3-Dichloropropene	7.091	75	19068	3.739	ug/L	93
61) Toluene	7.343	92	29270	3.869	ug/L	97
62) 4-Methyl-2-pentanone	7.789	58	2914	3.906	ug/L	# 57
63) Tetrachloroethene	7.778	166	13316	3.936	ug/L	96
65) trans-1,3-Dichloropropene	7.841	75	15903	3.893	ug/L	95
67) Ethyl methacrylate	8.024	69	10582	3.754	ug/L	93
68) 1,1,2-Trichloroethane	8.019	83	8081	3.969	ug/L	98
69) Chlorodibromomethane	8.224	129	13542	3.788	ug/L	98
70) 1,3-Dichloropropane	8.334	76	15115	3.953	ug/L	100
71) 1,2-Dibromoethane	8.491	107	9387	3.855	ug/L	100
72) 2-Hexanone	8.795	43	5406	4.121	ug/L	# 87
73) Chlorobenzene	9.131	112	35303	3.740	ug/L	97
74) Ethylbenzene	9.167	91	56425	3.931	ug/L	98
75) 1,1,1,2-Tetrachloroethane	9.215	131	13645	3.805	ug/L	97
76) p/m Xylene	9.351	106	43226	7.603	ug/L	96
77) o Xylene	9.896	106	42684	7.509	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A06.D
 Acq On : 2 Jun 2020 6:07 am
 Operator : VOA104:MKS
 Sample : I8260STD4.0PPB
 Misc : WG1377027
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 02 13:54:06 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.975	104	69476	7.464	ug/L	99
80)	Bromoform	10.001	173	7918	3.774	ug/L	99
82)	Isopropylbenzene	10.300	105	54482	3.954	ug/L	99
84)	Bromobenzene	10.756	156	15351	3.904	ug/L	98
85)	n-Propylbenzene	10.803	91	64043	3.950	ug/L	99
86)	1,4-Dichlorobutane	10.835	55	13299	3.993	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.919	83	11263	3.869	ug/L	99
88)	4-Ethyltoluene	10.940	105	52950	3.909	ug/L	97
89)	2-Chlorotoluene	10.976	91	38470	3.933	ug/L	97
90)	1,3,5-Trimethylbenzene	11.039	105	46066	3.941	ug/L	98
91)	1,2,3-Trichloropropane	11.055	75	8228	3.970	ug/L	96
92)	trans-1,4-Dichloro-2-b...	11.118	53	2506	4.185	ug/L	86
93)	4-Chlorotoluene	11.170	91	40259	3.950	ug/L	98
94)	tert-Butylbenzene	11.385	119	38798	3.925	ug/L	98
97)	1,2,4-Trimethylbenzene	11.474	105	44889	3.868	ug/L	97
98)	sec-Butylbenzene	11.584	105	57851	3.995	ug/L	99
99)	p-Isopropyltoluene	11.742	119	49026	3.898	ug/L	99
100)	1,3-Dichlorobenzene	11.815	146	27262	3.842	ug/L	99
101)	1,4-Dichlorobenzene	11.910	146	28654	3.973	ug/L	98
102)	p-Diethylbenzene	12.124	119	29898	3.995	ug/L	97
103)	n-Butylbenzene	12.187	91	43624	3.896	ug/L	99
104)	1,2-Dichlorobenzene	12.339	146	24606	3.834	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.937	119	41059	3.704	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.136	155	1630	3.816	ug/L	96
107)	1,3,5-Trichlorobenzene	13.163	180	19187	3.886	ug/L	99
108)	Hexachlorobutadiene	13.734	225	8986	3.903	ug/L	99
109)	1,2,4-Trichlorobenzene	13.766	180	15915	3.810	ug/L	99
110)	Naphthalene	14.059	128	26487	3.790	ug/L	100
111)	1,2,3-Trichlorobenzene	14.227	180	14364	3.914	ug/L	100

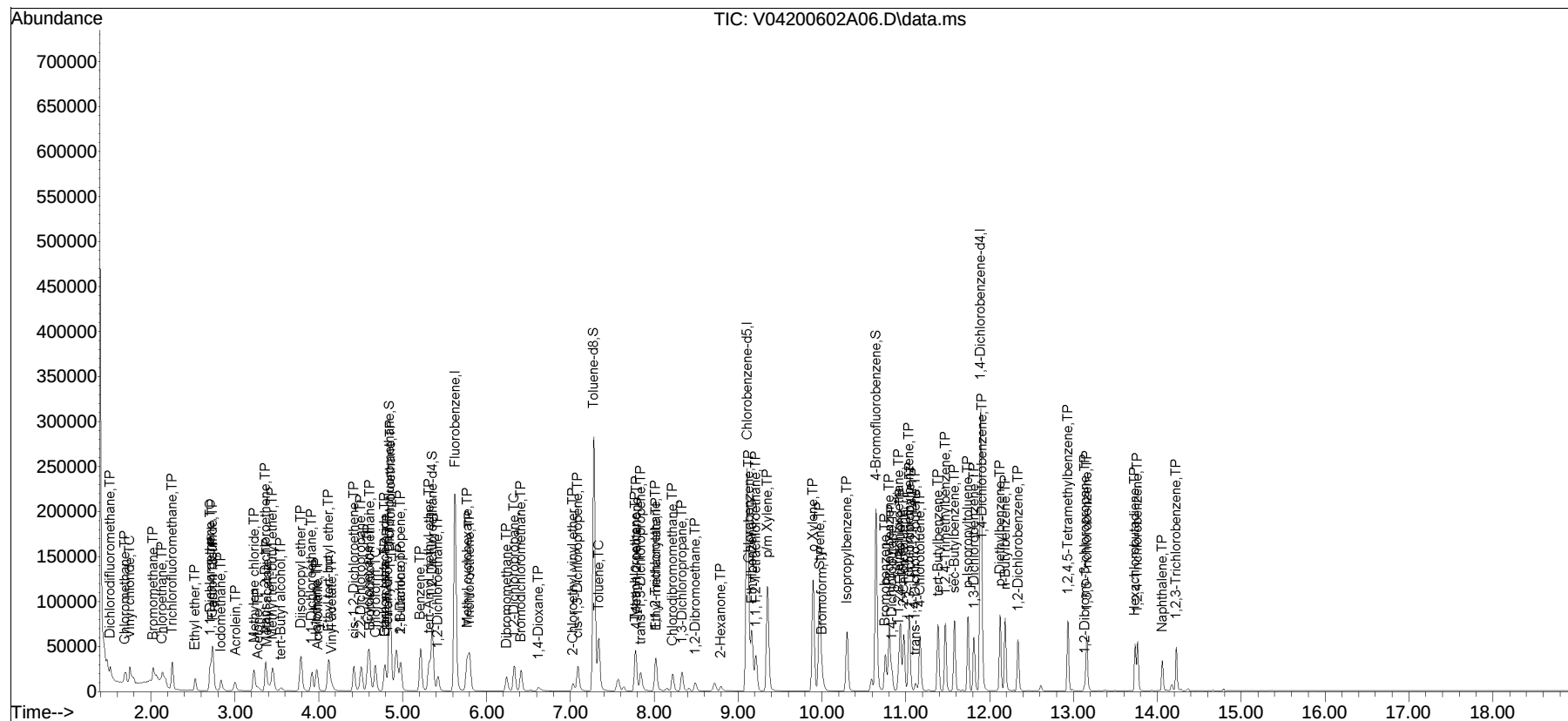
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path   : I:\VOLATILES\VOA104\2020\200602B\  
Data File  : V04200602A06.D  
Acq On     : 2 Jun 2020    6:07 am  
Operator   : VOA104:MKS  
Sample     : I8260STDL4.0PPB  
Misc       : WG1377027  
ALS Vial   : 6    Sample Multiplier: 1
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Quant Time: Jun 02 13:54:06 2020
Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:53:50 2020
Response via : Initial Calibration

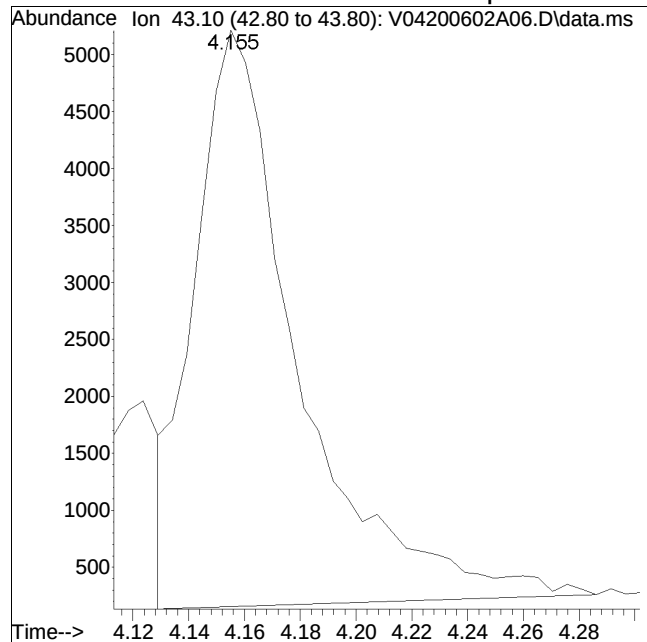
Sub List : 8260-Curve - Megamix plus Diox00602B\V04200602A08.D•



Manual Integration Report

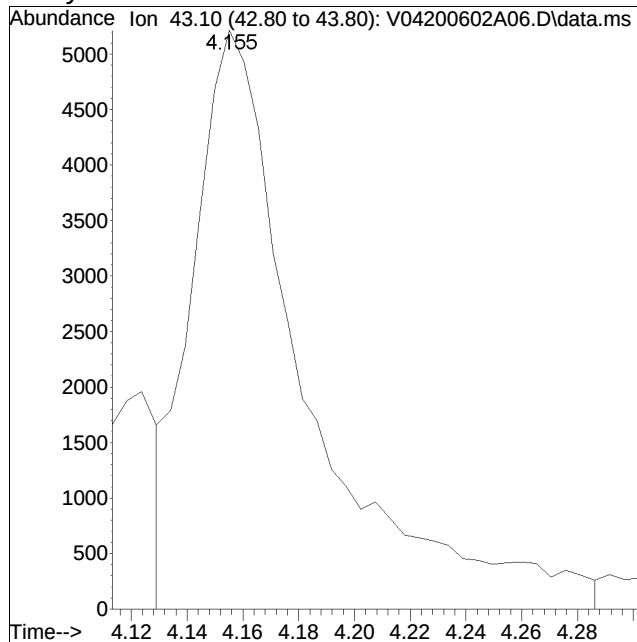
Data Path : I:\VOLATILES\VOA104\2020\2QMethod : V104_200602B_8260.m
Data File : V04200602A06.D Operator : VOA104:MKS
Date Inj'd : 6/2/2020 6:07 am Instrument : VOA 104
Sample : I8260STDL4.0PPB Quant Date : 6/2/2020 1:54 pm

Compound #27: Vinyl acetate



Original Peak Response = 13111

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



Manual Peak Response = 14970 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A07.D
 Acq On : 2 Jun 2020 6:33 am
 Operator : VOA104:MKS
 Sample : I8260STD120PPB
 Misc : WG1377027
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 13:36:37 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	216762	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery =	101.24%		
59) Chlorobenzene-d5	9.110	117	161092	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery =	101.13%		
79) 1,4-Dichlorobenzene-d4	11.894	152	81943	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery =	99.83%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	62712	19.986	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.93%		
43) 1,2-Dichloroethane-d4	5.356	65	50630	19.858	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.29%		
60) Toluene-d8	7.280	98	213737	19.927	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.63%		
83) 4-Bromofluorobenzene	10.646	95	73322	19.903	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.52%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	41900	18.127	ug/L	100
3) Chloromethane	1.691	50	53770	20.451	ug/L	99
4) Vinyl chloride	1.749	62	61108	18.911	ug/L	97
5) Bromomethane	2.032	94	48946	No Calib		
6) Chloroethane	2.137	64	41569	20.274	ug/L	95
7) Trichlorofluoromethane	2.257	101	87467	17.959	ug/L	99
8) Ethyl ether	2.530	74	25458	21.509	ug/L	85
10) 1,1-Dichloroethene	2.708	96	49827	18.761	ug/L	86
11) Carbon disulfide	2.734	76	153160	19.585	ug/L	100
12) Freon-113	2.739	101	50569	18.107	ug/L	91
13) Iodomethane	2.839	142	77968	19.713	ug/L	96
14) Acrolein	3.012	56	5713	22.261	ug/L	88
15) Methylene chloride	3.227	84	60844	21.594	ug/L	91
17) Acetone	3.269	43	11816	25.615	ug/L	94
18) trans-1,2-Dichloroethene	3.369	96	60699	19.995	ug/L	88
19) Methyl acetate	3.379	43	24007	21.810	ug/L	94
20) Methyl tert-butyl ether	3.453	73	136164	21.493	ug/L	96
21) tert-Butyl alcohol	3.552	59	22069	107.131	ug/L	96
22) Diisopropyl ether	3.788	45	180034	21.290	ug/L	94
23) 1,1-Dichloroethane	3.919	63	109042	20.614	ug/L	98
24) Halothane	3.977	117	47125	19.145	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A07.D
 Acq On : 2 Jun 2020 6:33 am
 Operator : VOA104:MKS
 Sample : I8260STD20PPB
 Misc : WG1377027
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 13:36:37 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.982	53	9325	21.040	ug/L	# 90
26) Ethyl tert-butyl ether	4.118	59	170989	21.414	ug/L	92
27) Vinyl acetate	4.150	43	88138	21.027	ug/L	99
28) cis-1,2-Dichloroethene	4.417	96	67926	20.882	ug/L	89
29) 2,2-Dichloropropane	4.506	77	90466	19.570	ug/L	99
30) Bromochloromethane	4.606	128	34557	21.390	ug/L	88
31) Cyclohexane	4.590	56	77992	18.475	ug/L	84
32) Chloroform	4.674	83	114901	21.285	ug/L	99
33) Ethyl acetate	4.784	43	36164	22.570	ug/L	98
34) Carbon tetrachloride	4.790	117	90405	18.843	ug/L	100
35) Tetrahydrofuran	4.821	42	12568	26.461	ug/L	98
37) 1,1,1-Trichloroethane	4.858	97	95872	19.312	ug/L	97
39) 2-Butanone	4.963	43	14874	21.544	ug/L	# 73
40) 1,1-Dichloropropene	4.978	75	74007	18.977	ug/L	99
41) Benzene	5.214	78	229740	20.757	ug/L	97
42) tert-Amyl methyl ether	5.319	73	154653	21.393	ug/L	93
44) 1,2-Dichloroethane	5.419	62	74321	21.534	ug/L	97
47) Methyl cyclohexane	5.770	83	89673	19.305	ug/L	84
48) Trichloroethene	5.796	95	64964	19.969	ug/L	98
50) Dibromomethane	6.237	93	37425	21.434	ug/L	98
51) 1,2-Dichloropropane	6.331	63	61495	21.382	ug/L	97
53) 2-Chloroethyl vinyl ether	7.028	63	30798	21.282	ug/L	96
54) Bromodichloromethane	6.410	83	90327	21.636	ug/L	100
57) 1,4-Dioxane	6.619	88	17805	1040.537	ug/L	90
58) cis-1,3-Dichloropropene	7.086	75	100037	21.466	ug/L	97
61) Toluene	7.338	92	146163	20.329	ug/L	99
62) 4-Methyl-2-pentanone	7.783	58	14677	21.299	ug/L	89
63) Tetrachloroethene	7.778	166	66536	19.268	ug/L	97
65) trans-1,3-Dichloropropene	7.836	75	83848	21.556	ug/L	99
67) Ethyl methacrylate	8.019	69	56162	21.197	ug/L	96
68) 1,1,2-Trichloroethane	8.014	83	39964	21.327	ug/L	99
69) Chlorodibromomethane	8.218	129	69820	21.511	ug/L	98
70) 1,3-Dichloropropane	8.329	76	77178	21.471	ug/L	100
71) 1,2-Dibromoethane	8.486	107	49582	21.397	ug/L	99
72) 2-Hexanone	8.785	43	24892	20.614	ug/L	96
73) Chlorobenzene	9.126	112	177228	20.956	ug/L	98
74) Ethylbenzene	9.162	91	278770	20.265	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.215	131	69581	21.197	ug/L	99
76) p/m Xylene	9.351	106	218916	40.531	ug/L	98
77) o Xylene	9.896	106	215927	41.314	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A07.D
 Acq On : 2 Jun 2020 6:33 am
 Operator : VOA104:MKS
 Sample : I8260STD120PPB
 Misc : WG1377027
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 13:36:37 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.970	104	358736	41.642	ug/L	99
80)	Bromoform	10.001	173	42378	21.387	ug/L	100
82)	Isopropylbenzene	10.300	105	275361	20.202	ug/L	98
84)	Bromobenzene	10.756	156	77703	21.501	ug/L	99
85)	n-Propylbenzene	10.803	91	327794	20.485	ug/L	100
86)	1,4-Dichlorobutane	10.829	55	64818	21.782	ug/L	96
87)	1,1,2,2-Tetrachloroethane	10.913	83	55259	21.560	ug/L	99
88)	4-Ethyltoluene	10.934	105	271233	20.415	ug/L	97
89)	2-Chlorotoluene	10.976	91	193335	21.002	ug/L	96
90)	1,3,5-Trimethylbenzene	11.039	105	232650	20.663	ug/L	96
91)	1,2,3-Trichloropropane	11.050	75	41215	21.707	ug/L	98
92)	trans-1,4-Dichloro-2-b...	11.113	53	12547	21.327	ug/L #	75
93)	4-Chlorotoluene	11.170	91	197113	21.022	ug/L	94
94)	tert-Butylbenzene	11.385	119	201857	20.486	ug/L	99
97)	1,2,4-Trimethylbenzene	11.469	105	229623	20.715	ug/L	97
98)	sec-Butylbenzene	11.579	105	298576	20.421	ug/L	99
99)	p-Isopropyltoluene	11.742	119	258626	20.420	ug/L	99
100)	1,3-Dichlorobenzene	11.810	146	142532	21.359	ug/L	99
101)	1,4-Dichlorobenzene	11.910	146	144211	21.799	ug/L	100
102)	p-Diethylbenzene	12.125	119	153297	20.727	ug/L	98
103)	n-Butylbenzene	12.182	91	231923	20.524	ug/L	99
104)	1,2-Dichlorobenzene	12.339	146	129242	21.297	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.932	119	221259	21.115	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.136	155	8753	21.100	ug/L	99
107)	1,3,5-Trichlorobenzene	13.157	180	100113	21.589	ug/L	99
108)	Hexachlorobutadiene	13.734	225	48446	22.041	ug/L	99
109)	1,2,4-Trichlorobenzene	13.766	180	84385	21.641	ug/L	99
110)	Naphthalene	14.059	128	138440	21.371	ug/L	100
111)	1,2,3-Trichlorobenzene	14.227	180	73921	21.837	ug/L	100

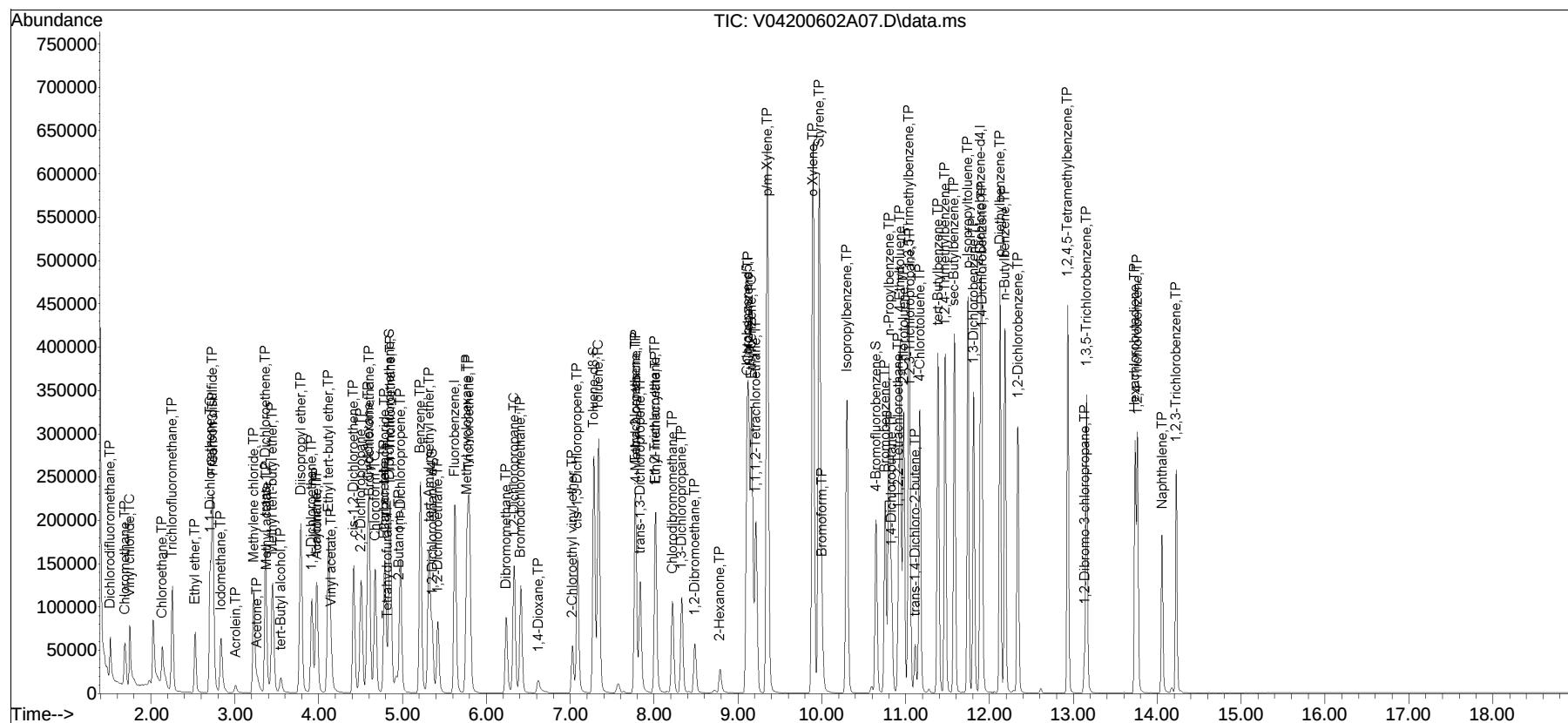
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
Data File : V04200602A07.D
Acq On : 2 Jun 2020 6:33 am
Operator : VOA104:MKS
Sample : I8260STDL20PPB
Misc : WG1377027
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 13:36:37 2020
Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:35:32 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00602B\V04200602A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\2Q	Method	: V104_200602B_8260.m
Data File	: V04200602A07.D	Operator	: VOA104:MKS
Date Inj'd	: 6/2/2020 6:33 am	Instrument	: VOA 104
Sample	: I8260STDL20PPB	Quant Date	: 6/2/2020 1:36 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A08.D
 Acq On : 2 Jun 2020 6:59 am
 Operator : VOA104:MKS
 Sample : I8260STD40PPB
 Misc : WG1377027
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 13:42:58 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Wed Feb 05 11:01:42 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.629	96	214110	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery	=	100.00%	
59) Chlorobenzene-d5	9.110	117	159294	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	11.889	152	82080	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	61987	21.487	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	107.43%	
43) 1,2-Dichloroethane-d4	5.356	65	50368	21.937	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	109.69%	
60) Toluene-d8	7.280	98	212128	21.378	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	106.89%	
83) 4-Bromofluorobenzene	10.646	95	73804	21.039	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	105.20%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	91328	37.088	ug/L	100
3) Chloromethane	1.691	50	103880	30.824	ug/L	100
4) Vinyl chloride	1.749	62	127674	41.111	ug/L	98
5) Bromomethane	2.027	94	94798	48.902	ug/L	96
6) Chloroethane	2.137	64	81009	47.343	ug/L	95
7) Trichlorofluoromethane	2.257	101	192434	47.247	ug/L	100
8) Ethyl ether	2.530	74	46765	36.763	ug/L	85
10) 1,1-Dichloroethene	2.708	96	104934	40.212	ug/L	87
11) Carbon disulfide	2.734	76	308983	35.325	ug/L	100
12) Freon-113	2.740	101	110342	40.014	ug/L	100
13) Iodomethane	2.834	142	156272	54.203	ug/L	96
14) Acrolein	3.012	56	10140M1	34.813	ug/L	
15) Methylene chloride	3.227	84	111325	37.026	ug/L	92
17) Acetone	3.269	43	18226	40.789	ug/L	99
18) trans-1,2-Dichloroethene	3.364	96	119940	40.636	ug/L	88
19) Methyl acetate	3.374	43	43490	33.077	ug/L	# 90
20) Methyl tert-butyl ether	3.453	73	250315	37.591	ug/L	95
21) tert-Butyl alcohol	3.547	59	40696	158.591	ug/L	93
22) Diisopropyl ether	3.788	45	334112	32.948	ug/L	94
23) 1,1-Dichloroethane	3.919	63	208999	37.446	ug/L	98
24) Halothane	3.977	117	97256	38.007	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A08.D
 Acq On : 2 Jun 2020 6:59 am
 Operator : VOA104:MKS
 Sample : I8260STD40PPB
 Misc : WG1377027
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 13:42:58 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Wed Feb 05 11:01:42 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.977	53	17511	31.140	ug/L	# 88
26) Ethyl tert-butyl ether	4.119	59	315491	34.384	ug/L	92
27) Vinyl acetate	4.145	43	165617	28.479	ug/L	98
28) cis-1,2-Dichloroethene	4.417	96	128520	40.149	ug/L	90
29) 2,2-Dichloropropane	4.507	77	182642	42.762	ug/L	99
30) Bromochloromethane	4.606	128	63832	39.724	ug/L	86
31) Cyclohexane	4.590	56	166794	31.842	ug/L	83
32) Chloroform	4.674	83	213288	42.346	ug/L	99
33) Ethyl acetate	4.779	43	63307	33.416	ug/L	# 96
34) Carbon tetrachloride	4.790	117	189567	48.614	ug/L	99
35) Tetrahydrofuran	4.816	42	22609M1	31.947	ug/L	
37) 1,1,1-Trichloroethane	4.858	97	196148	42.096	ug/L	97
39) 2-Butanone	4.963	43	27278	31.563	ug/L	# 68
40) 1,1-Dichloropropene	4.973	75	154088	39.737	ug/L	100
41) Benzene	5.214	78	437301	38.026	ug/L	97
42) tert-Amyl methyl ether	5.314	73	285632	39.166	ug/L	93
44) 1,2-Dichloroethane	5.419	62	136367	41.938	ug/L	98
47) Methyl cyclohexane	5.770	83	183526	37.756	ug/L	85
48) Trichloroethene	5.796	95	128539	40.288	ug/L	98
50) Dibromomethane	6.237	93	68987	43.333	ug/L	98
51) 1,2-Dichloropropane	6.331	63	113634	35.925	ug/L	96
53) 2-Chloroethyl vinyl ether	7.023	63	57178	87.178	ug/L	98
54) Bromodichloromethane	6.410	83	164951	42.261	ug/L	99
57) 1,4-Dioxane	6.614	88	33804	1876.885	ug/L	91
58) cis-1,3-Dichloropropene	7.086	75	184126	40.462	ug/L	98
61) Toluene	7.338	92	284386	42.063	ug/L	99
62) 4-Methyl-2-pentanone	7.778	58	27256	35.852	ug/L	91
63) Tetrachloroethene	7.778	166	136588	40.791	ug/L	97
65) trans-1,3-Dichloropropene	7.831	75	153851	46.652	ug/L	100
67) Ethyl methacrylate	8.019	69	104797	39.866	ug/L	96
68) 1,1,2-Trichloroethane	8.014	83	74118	43.123	ug/L	99
69) Chlorodibromomethane	8.219	129	128384	42.311	ug/L	99
70) 1,3-Dichloropropane	8.329	76	142179	43.778	ug/L	100
71) 1,2-Dibromoethane	8.486	107	91656	44.322	ug/L	100
72) 2-Hexanone	8.785	43	47762	33.991	ug/L	96
73) Chlorobenzene	9.126	112	334503	40.313	ug/L	98
74) Ethylbenzene	9.162	91	544103	42.833	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.215	131	129838	41.868	ug/L	100
76) p/m Xylene	9.351	106	427278	81.273	ug/L	99
77) o Xylene	9.896	106	413449	79.537	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A08.D
 Acq On : 2 Jun 2020 6:59 am
 Operator : VOA104:MKS
 Sample : I8260STD40PPB
 Misc : WG1377027
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 13:42:58 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Wed Feb 05 11:01:42 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.970	104	681497	81.847	ug/L	99
80)	Bromoform	10.001	173	79392	48.660	ug/L	100
82)	Isopropylbenzene	10.300	105	546128	44.243	ug/L	98
84)	Bromobenzene	10.756	156	144800	44.358	ug/L	98
85)	n-Propylbenzene	10.803	91	641137	45.138	ug/L	99
86)	1,4-Dichlorobutane	10.830	55	119231	33.852	ug/L	97
87)	1,1,2,2-Tetrachloroethane	10.914	83	102693	41.868	ug/L	99
88)	4-Ethyltoluene	10.935	105	532329	42.792	ug/L	98
89)	2-Chlorotoluene	10.976	91	368830	44.128	ug/L	96
90)	1,3,5-Trimethylbenzene	11.039	105	451121	43.183	ug/L	96
91)	1,2,3-Trichloropropane	11.050	75	76076	44.831	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.113	53	23572	44.557	ug/L #	74
93)	4-Chlorotoluene	11.165	91	375694	43.998	ug/L	94
94)	tert-Butylbenzene	11.385	119	394799	43.150	ug/L	99
97)	1,2,4-Trimethylbenzene	11.469	105	444129	43.665	ug/L	98
98)	sec-Butylbenzene	11.579	105	585833	43.208	ug/L	99
99)	p-Isopropyltoluene	11.742	119	507468	43.581	ug/L	100
100)	1,3-Dichlorobenzene	11.810	146	267367	42.072	ug/L	99
101)	1,4-Dichlorobenzene	11.904	146	265058	41.163	ug/L	99
102)	p-Diethylbenzene	12.125	119	296337	41.513	ug/L	98
103)	n-Butylbenzene	12.182	91	452769	45.208	ug/L	100
104)	1,2-Dichlorobenzene	12.340	146	243153	41.290	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.932	119	419851	36.690	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.131	155	16621	39.496	ug/L	99
107)	1,3,5-Trichlorobenzene	13.158	180	185803	39.329	ug/L	99
108)	Hexachlorobutadiene	13.734	225	88066	39.164	ug/L	99
109)	1,2,4-Trichlorobenzene	13.761	180	156235	39.537	ug/L	99
110)	Naphthalene	14.054	128	259554	33.653	ug/L	100
111)	1,2,3-Trichlorobenzene	14.227	180	135633	38.335	ug/L	99

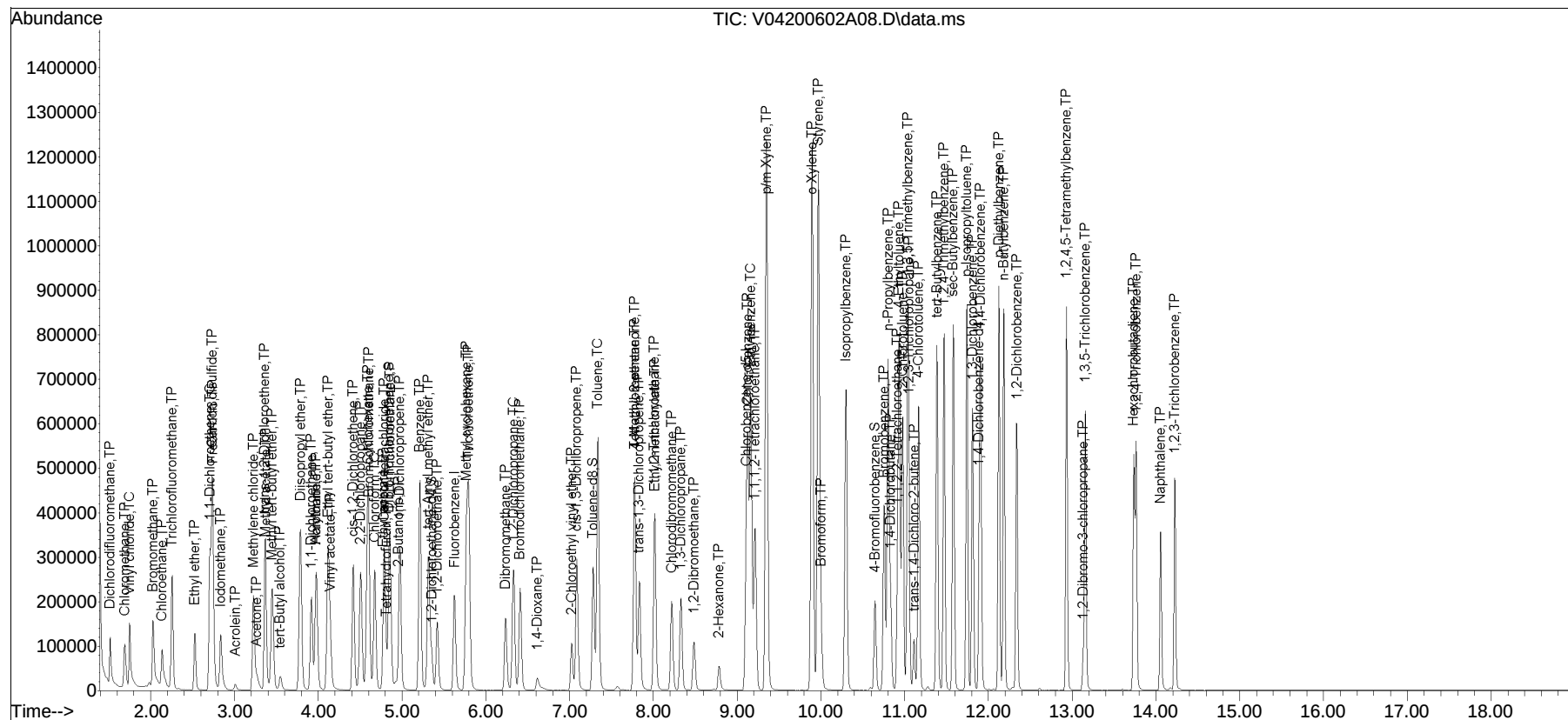
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A08.D
 Acq On : 2 Jun 2020 6:59 am
 Operator : VOA104:MKS
 Sample : I8260STDL40PPB
 Misc : WG1377027
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 13:42:58 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Wed Feb 05 11:01:42 2020
 Response via : Initial Calibration

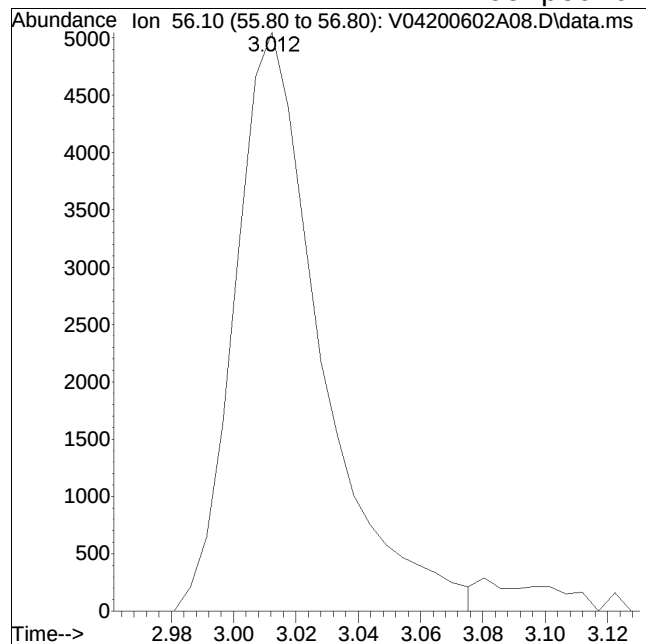
Sub List : 8260-Curve - Megamix plus Diox00602B\V04200602A08.D•



Manual Integration Report

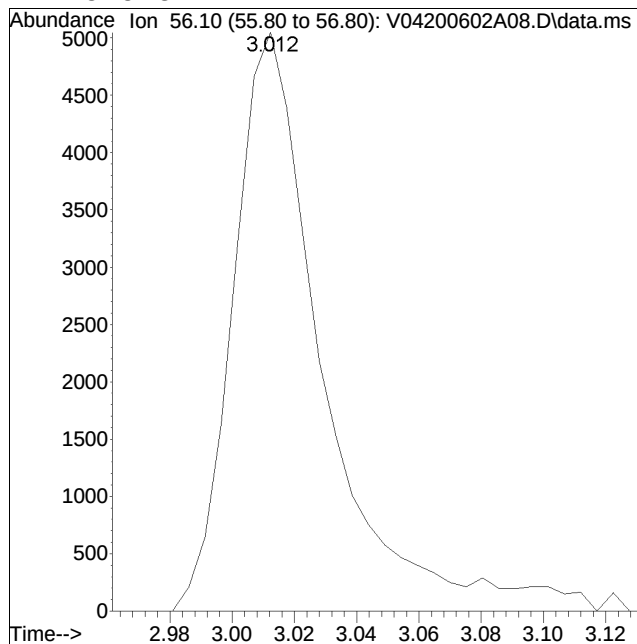
Data Path : I:\VOLATILES\VOA104\2020\2QMethod : V104_200602B_8260.m
Data File : V04200602A08.D Operator : VOA104:MKS
Date Inj'd : 6/2/2020 6:59 am Instrument : VOA 104
Sample : I8260STD40PPB Quant Date : 6/2/2020 1:34 pm

Compound #14: Acrolein



Original Peak Response = 9692

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



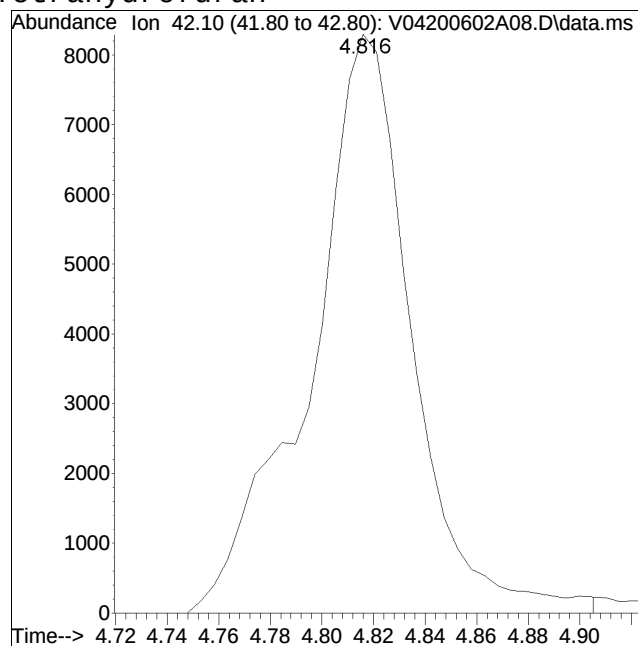
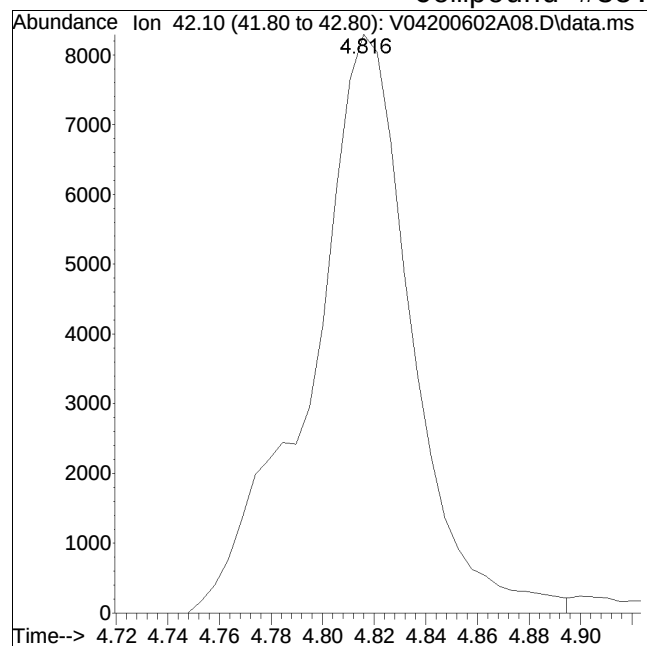
Manual Peak Response = 10140 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2020\20
Data File : V04200602A08.D
Date Inj'd : 6/2/2020 6:59 am
Sample : I8260STDL40PPB

Method : V104_200602B_8260.m
Operator : VOA104:MKS
Instrument : VOA 104
Quant Date : 6/2/2020 1:34 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 22459

Manual Peak Response = 22609 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A09.D
 Acq On : 2 Jun 2020 7:24 am
 Operator : VOA104:MKS
 Sample : I8260STD100PPB
 Misc : WG1377027
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 02 13:41:35 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.628	96	207781	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery =	97.04%		
59) Chlorobenzene-d5	9.110	117	159159	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery =	99.92%		
79) 1,4-Dichlorobenzene-d4	11.894	152	80926	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery =	98.59%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	59744	19.863	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.31%		
43) 1,2-Dichloroethane-d4	5.356	65	48671	19.915	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.57%		
60) Toluene-d8	7.280	98	208128	19.640	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.20%		
83) 4-Bromofluorobenzene	10.646	95	72595	19.953	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.76%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	250423	113.022	ug/L	100
3) Chloromethane	1.686	50	285087	113.119	ug/L	100
4) Vinyl chloride	1.749	62	343147	110.782	ug/L	99
5) Bromomethane	2.026	94	255950	No Calib		
6) Chloroethane	2.131	64	208461	106.068	ug/L	95
7) Trichlorofluoromethane	2.252	101	523548	112.141	ug/L	99
8) Ethyl ether	2.525	74	126085	111.131	ug/L	83
10) 1,1-Dichloroethene	2.708	96	283513	111.365	ug/L	86
11) Carbon disulfide	2.734	76	826829	110.299	ug/L	100
12) Freon-113	2.740	101	299724	111.962	ug/L	98
13) Iodomethane	2.834	142	444375	117.209	ug/L	96
14) Acrolein	3.007	56	26638	108.282	ug/L	98
15) Methylene chloride	3.227	84	298859	110.653	ug/L	91
17) Acetone	3.269	43	38265	86.537	ug/L	93
18) trans-1,2-Dichloroethene	3.363	96	320386	110.103	ug/L	88
19) Methyl acetate	3.374	43	116942	110.834	ug/L	# 90
20) Methyl tert-butyl ether	3.453	73	661412	108.912	ug/L	95
21) tert-Butyl alcohol	3.547	59	106750	540.602	ug/L	92
22) Diisopropyl ether	3.788	45	886993	109.426	ug/L	95
23) 1,1-Dichloroethane	3.919	63	555053	109.467	ug/L	98
24) Halothane	3.977	117	262681	111.328	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A09.D
 Acq On : 2 Jun 2020 7:24 am
 Operator : VOA104:MKS
 Sample : I8260STD100PPB
 Misc : WG1377027
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 02 13:41:35 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.972	53	48549	114.277	ug/L	# 88
26) Ethyl tert-butyl ether	4.118	59	831894	108.686	ug/L	95
27) Vinyl acetate	4.145	43	479309	119.289	ug/L	97
28) cis-1,2-Dichloroethene	4.417	96	344963	110.635	ug/L	89
29) 2,2-Dichloropropane	4.506	77	486161	109.716	ug/L	99
30) Bromochloromethane	4.601	128	169926	109.727	ug/L	86
31) Cyclohexane	4.590	56	448499	110.834	ug/L	83
32) Chloroform	4.674	83	562083	108.624	ug/L	99
33) Ethyl acetate	4.779	43	168296	109.575	ug/L	# 95
34) Carbon tetrachloride	4.790	117	509989	110.889	ug/L	100
35) Tetrahydrofuran	4.811	42	58439	128.358	ug/L	97
37) 1,1,1-Trichloroethane	4.858	97	520618	109.402	ug/L	97
39) 2-Butanone	4.957	43	72431	109.447	ug/L	# 67
40) 1,1-Dichloropropene	4.973	75	410170	109.720	ug/L	99
41) Benzene	5.214	78	1162812	109.602	ug/L	97
42) tert-Amyl methyl ether	5.319	73	749900	108.215	ug/L	93
44) 1,2-Dichloroethane	5.419	62	357574	108.081	ug/L	97
47) Methyl cyclohexane	5.770	83	498803	112.027	ug/L	84
48) Trichloroethene	5.796	95	343649	110.197	ug/L	97
50) Dibromomethane	6.237	93	183563	109.675	ug/L	98
51) 1,2-Dichloropropane	6.331	63	301146	109.235	ug/L	97
53) 2-Chloroethyl vinyl ether	7.023	63	154261	111.203	ug/L	96
54) Bromodichloromethane	6.410	83	435500	108.824	ug/L	99
57) 1,4-Dioxane	6.619	88	75013	4573.299	ug/L	91
58) cis-1,3-Dichloropropene	7.086	75	494179	110.627	ug/L	99
61) Toluene	7.338	92	767225	108.005	ug/L	100
62) 4-Methyl-2-pentanone	7.778	58	71337	104.781	ug/L	# 93
63) Tetrachloroethene	7.778	166	372209	109.094	ug/L	97
65) trans-1,3-Dichloropropene	7.830	75	416666	108.422	ug/L	100
67) Ethyl methacrylate	8.014	69	280953	107.328	ug/L	95
68) 1,1,2-Trichloroethane	8.014	83	197185	106.507	ug/L	100
69) Chlorodibromomethane	8.218	129	347854	108.471	ug/L	99
70) 1,3-Dichloropropane	8.329	76	378495	106.574	ug/L	100
71) 1,2-Dibromoethane	8.486	107	245790	107.357	ug/L	99
72) 2-Hexanone	8.779	43	125977	105.593	ug/L	98
73) Chlorobenzene	9.126	112	912352	109.192	ug/L	98
74) Ethylbenzene	9.162	91	1476621	108.647	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.215	131	348618	107.492	ug/L	100
76) p/m Xylene	9.351	106	1167837	218.842	ug/L	99
77) o Xylene	9.896	106	1140314	220.831	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A09.D
 Acq On : 2 Jun 2020 7:24 am
 Operator : VOA104:MKS
 Sample : I8260STD100PPB
 Misc : WG1377027
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 02 13:41:35 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.970	104	1856602	218.129	ug/L	99
80)	Bromoform	10.001	173	215803	110.278	ug/L	99
82)	Isopropylbenzene	10.300	105	1479780	109.929	ug/L	97
84)	Bromobenzene	10.756	156	394696	110.587	ug/L	99
85)	n-Propylbenzene	10.803	91	1737037	109.918	ug/L	99
86)	1,4-Dichlorobutane	10.829	55	318936	108.523	ug/L	96
87)	1,1,2,2-Tetrachloroethane	10.913	83	278581	110.058	ug/L	99
88)	4-Ethyltoluene	10.934	105	1429761	108.966	ug/L	98
89)	2-Chlorotoluene	10.976	91	999838	109.980	ug/L	96
90)	1,3,5-Trimethylbenzene	11.039	105	1212686	109.060	ug/L	96
91)	1,2,3-Trichloropropane	11.050	75	204935	109.289	ug/L	98
92)	trans-1,4-Dichloro-2-b...	11.113	53	63212	108.796	ug/L #	68
93)	4-Chlorotoluene	11.165	91	1018013	109.933	ug/L	95
94)	tert-Butylbenzene	11.385	119	1059086	108.834	ug/L	99
97)	1,2,4-Trimethylbenzene	11.469	105	1193405	109.015	ug/L	97
98)	sec-Butylbenzene	11.579	105	1545859	107.055	ug/L	99
99)	p-Isopropyltoluene	11.742	119	1343157	107.381	ug/L	99
100)	1,3-Dichlorobenzene	11.810	146	721411	109.467	ug/L	99
101)	1,4-Dichlorobenzene	11.904	146	709738	108.634	ug/L	99
102)	p-Diethylbenzene	12.125	119	779099	106.664	ug/L	98
103)	n-Butylbenzene	12.182	91	1184753	106.160	ug/L	99
104)	1,2-Dichlorobenzene	12.339	146	643648	107.394	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.932	119	1132442	109.428	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.131	155	45088	110.056	ug/L	99
107)	1,3,5-Trichlorobenzene	13.157	180	483760	105.630	ug/L	99
108)	Hexachlorobutadiene	13.734	225	227837	104.960	ug/L	99
109)	1,2,4-Trichlorobenzene	13.760	180	410965	106.718	ug/L	100
110)	Naphthalene	14.054	128	715297	111.807	ug/L	100
111)	1,2,3-Trichlorobenzene	14.227	180	357766	107.015	ug/L	99

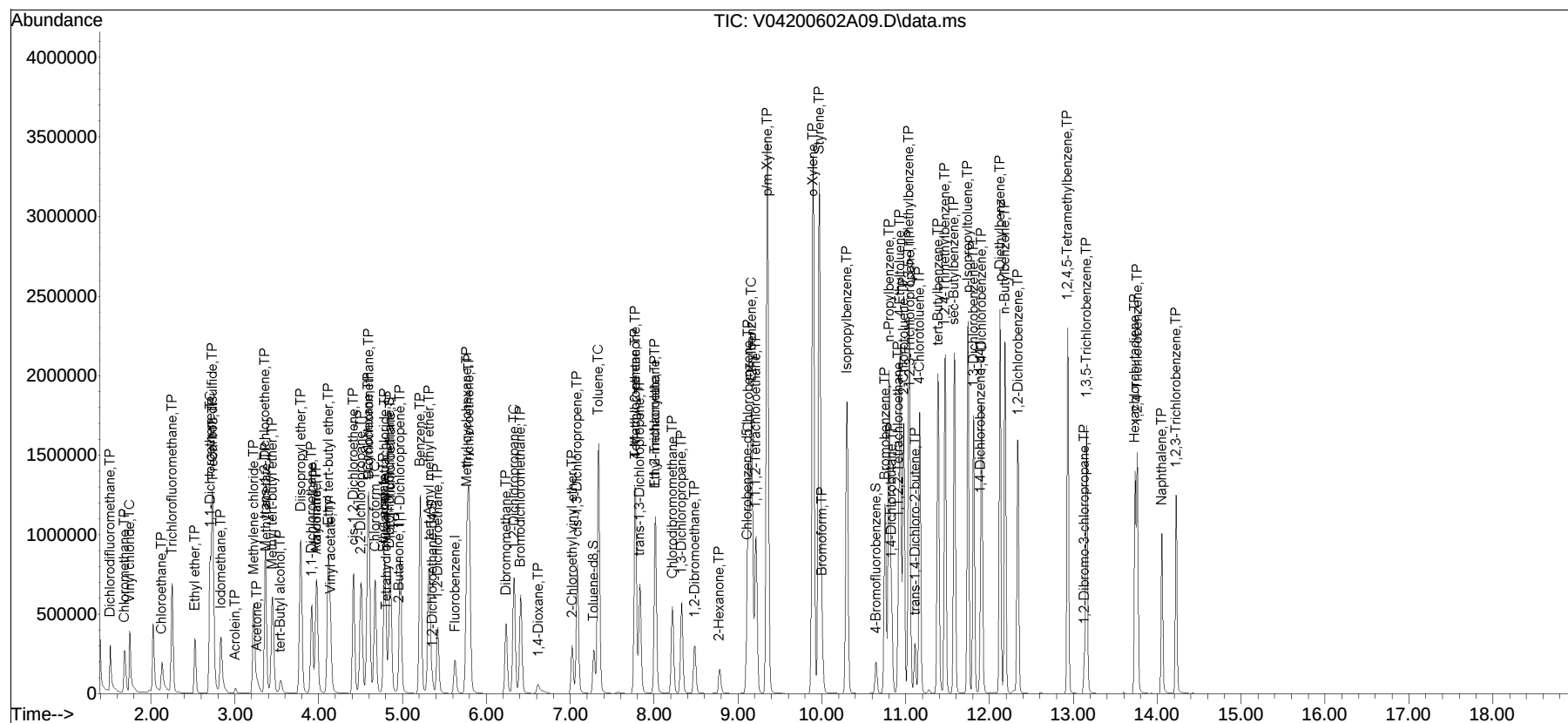
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A09.D
 Acq On : 2 Jun 2020 7:24 am
 Operator : VOA104:MKS
 Sample : I8260STDL100PPB
 Misc : WG1377027
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 02 13:41:35 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00602B\V04200602A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\2Q	Method	: V104_200602B_8260.m
Data File	: V04200602A09.D	Operator	: VOA104:MKS
Date Inj'd	: 6/2/2020 7:24 am	Instrument	: VOA 104
Sample	: I8260STDL100PPB	Quant Date	: 6/2/2020 1:36 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A10.D
 Acq On : 2 Jun 2020 7:50 am
 Operator : VOA104:MKS
 Sample : I8260STD1200PPB
 Misc : WG1377027
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 02 13:42:47 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	208141	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery	=	97.21%	
59) Chlorobenzene-d5	9.110	117	160255	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery	=	100.60%	
79) 1,4-Dichlorobenzene-d4	11.894	152	77049	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery	=	93.87%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	60841	20.193	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.97%	
43) 1,2-Dichloroethane-d4	5.356	65	50558	20.651	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	103.26%	
60) Toluene-d8	7.280	98	208513	19.541	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	97.70%	
83) 4-Bromofluorobenzene	10.646	95	70686	20.406	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.03%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	487703	219.731	ug/L	99
3) Chloromethane	1.691	50	551396	218.409	ug/L	100
4) Vinyl chloride	1.748	62	663207	213.740	ug/L	98
5) Bromomethane	2.026	94	493365	No Calib		
6) Chloroethane	2.126	64	352489	179.041	ug/L	94
7) Trichlorofluoromethane	2.252	101	1039595	222.291	ug/L	99
8) Ethyl ether	2.524	74	257434	226.508	ug/L	83
10) 1,1-Dichloroethene	2.703	96	561689	220.252	ug/L	85
11) Carbon disulfide	2.729	76	1597217	212.701	ug/L	100
12) Freon-113	2.734	101	590918	220.356	ug/L	96
13) Iodomethane	2.834	142	872818	229.817	ug/L	96
14) Acrolein	3.007	56	53885	218.660	ug/L	98
15) Methylene chloride	3.227	84	582319	215.232	ug/L	91
17) Acetone	3.269	43	82585	186.444	ug/L	99
18) trans-1,2-Dichloroethene	3.363	96	629445	215.940	ug/L	88
19) Methyl acetate	3.374	43	243971	230.828	ug/L	# 91
20) Methyl tert-butyl ether	3.447	73	1322220	217.348	ug/L	95
21) tert-Butyl alcohol	3.552	59	208657	1054.850	ug/L	92
22) Diisopropyl ether	3.788	45	1742322	214.573	ug/L	95
23) 1,1-Dichloroethane	3.919	63	1086389	213.885	ug/L	97
24) Halothane	3.977	117	512365	216.772	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A10.D
 Acq On : 2 Jun 2020 7:50 am
 Operator : VOA104:MKS
 Sample : I8260STD1200PPB
 Misc : WG1377027
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 02 13:42:47 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.972	53	98612	231.717	ug/L	# 90
26) Ethyl tert-butyl ether	4.118	59	1654335	215.762	ug/L	96
27) Vinyl acetate	4.139	43	1001570	248.837	ug/L	97
28) cis-1,2-Dichloroethene	4.417	96	676363	216.545	ug/L	89
29) 2,2-Dichloropropane	4.506	77	942532	212.341	ug/L	99
30) Bromochloromethane	4.601	128	334550	215.656	ug/L	# 85
31) Cyclohexane	4.590	56	875940	216.089	ug/L	83
32) Chloroform	4.674	83	1095719	211.384	ug/L	99
33) Ethyl acetate	4.779	43	343394	223.193	ug/L	# 95
34) Carbon tetrachloride	4.789	117	1000307	217.125	ug/L	100
35) Tetrahydrofuran	4.816	42	115384	252.996	ug/L	95
37) 1,1,1-Trichloroethane	4.858	97	1013436	212.594	ug/L	97
39) 2-Butanone	4.957	43	145859	220.019	ug/L	# 66
40) 1,1-Dichloropropene	4.973	75	795426	212.408	ug/L	99
41) Benzene	5.214	78	2280273	214.558	ug/L	97
42) tert-Amyl methyl ether	5.319	73	1499282	215.981	ug/L	92
44) 1,2-Dichloroethane	5.419	62	711787	214.773	ug/L	97
47) Methyl cyclohexane	5.770	83	982294	220.233	ug/L	84
48) Trichloroethene	5.796	95	676417	216.530	ug/L	98
50) Dibromomethane	6.231	93	371268	221.442	ug/L	98
51) 1,2-Dichloropropane	6.331	63	596070	215.838	ug/L	96
53) 2-Chloroethyl vinyl ether	7.023	63	304701	219.273	ug/L	# 97
54) Bromodichloromethane	6.410	83	859236	214.337	ug/L	99
57) 1,4-Dioxane	6.619	88	154315	9391.811	ug/L	91
58) cis-1,3-Dichloropropene	7.086	75	982692	219.605	ug/L	99
61) Toluene	7.338	92	1506651	210.646	ug/L	100
62) 4-Methyl-2-pentanone	7.778	58	145839	212.745	ug/L	# 96
63) Tetrachloroethene	7.778	166	728275	211.997	ug/L	97
65) trans-1,3-Dichloropropene	7.830	75	830943	214.743	ug/L	99
67) Ethyl methacrylate	8.019	69	564662	214.234	ug/L	95
68) 1,1,2-Trichloroethane	8.014	83	396502	212.701	ug/L	100
69) Chlorodibromomethane	8.218	129	694675	215.139	ug/L	99
70) 1,3-Dichloropropane	8.328	76	747524	209.044	ug/L	99
71) 1,2-Dibromoethane	8.486	107	490974	212.983	ug/L	99
72) 2-Hexanone	8.779	43	251428	209.305	ug/L	98
73) Chlorobenzene	9.125	112	1770044	210.393	ug/L	97
74) Ethylbenzene	9.162	91	2803825	204.889	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.215	131	673498	206.244	ug/L	99
76) p/m Xylene	9.351	106	2209002	411.115	ug/L	99
77) o Xylene	9.896	106	2146764	412.896	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A10.D
 Acq On : 2 Jun 2020 7:50 am
 Operator : VOA104:MKS
 Sample : I8260STD200PPB
 Misc : WG1377027
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 02 13:42:47 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.975	104	3486824	406.859	ug/L	99
80)	Bromoform	10.001	173	419509	225.162	ug/L	99
82)	Isopropylbenzene	10.300	105	2733735	213.301	ug/L	97
84)	Bromobenzene	10.756	156	750345	220.812	ug/L	99
85)	n-Propylbenzene	10.803	91	3169034	210.623	ug/L	99
86)	1,4-Dichlorobutane	10.835	55	609171	217.711	ug/L	96
87)	1,1,2,2-Tetrachloroethane	10.919	83	538325	223.375	ug/L	99
88)	4-Ethyltoluene	10.934	105	2619930	209.720	ug/L	97
89)	2-Chlorotoluene	10.976	91	1804291	208.454	ug/L	94
90)	1,3,5-Trimethylbenzene	11.039	105	2229206	210.566	ug/L	96
91)	1,2,3-Trichloropropane	11.050	75	397146	222.450	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.113	53	123470	223.201	ug/L #	68
93)	4-Chlorotoluene	11.170	91	1881682	213.424	ug/L	95
94)	tert-Butylbenzene	11.385	119	1936026	208.961	ug/L	99
97)	1,2,4-Trimethylbenzene	11.469	105	2195613	210.658	ug/L	97
98)	sec-Butylbenzene	11.584	105	2827065	205.633	ug/L	98
99)	p-Isopropyltoluene	11.747	119	2452237	205.913	ug/L	99
100)	1,3-Dichlorobenzene	11.810	146	1319638	210.318	ug/L	99
101)	1,4-Dichlorobenzene	11.909	146	1308127	210.300	ug/L	99
102)	p-Diethylbenzene	12.124	119	1452117	208.807	ug/L	98
103)	n-Butylbenzene	12.187	91	2161398	203.418	ug/L	99
104)	1,2-Dichlorobenzene	12.339	146	1201286	210.522	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.932	119	2208015	224.098	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.131	155	90149	231.118	ug/L	100
107)	1,3,5-Trichlorobenzene	13.157	180	904933	207.536	ug/L	99
108)	Hexachlorobutadiene	13.739	225	441570	213.659	ug/L	99
109)	1,2,4-Trichlorobenzene	13.766	180	774256	211.172	ug/L	99
110)	Naphthalene	14.054	128	1432217	235.132	ug/L	100
111)	1,2,3-Trichlorobenzene	14.227	180	690996	217.090	ug/L	99

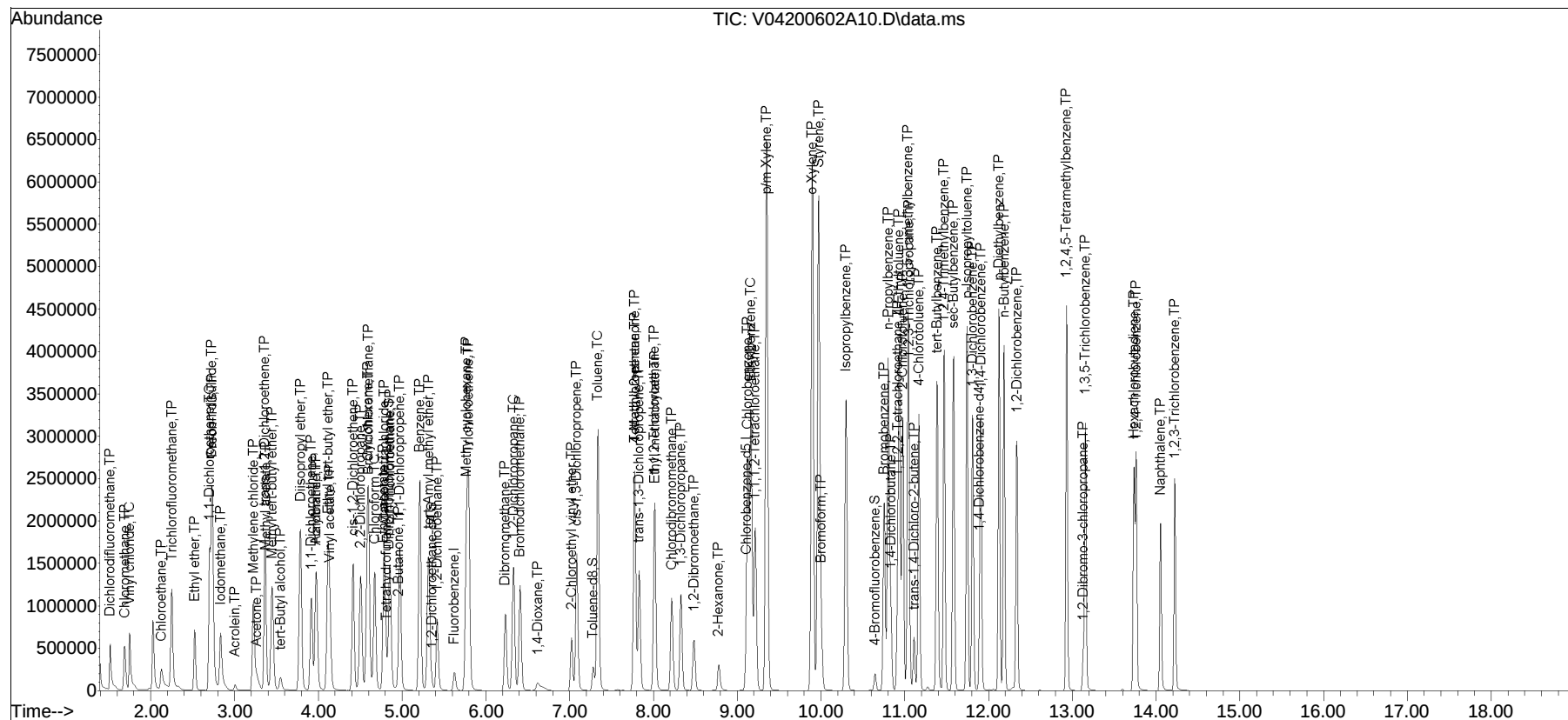
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A10.D
 Acq On : 2 Jun 2020 7:50 am
 Operator : VOA104:MKS
 Sample : I8260STD L200PPB
 Misc : WG1377027
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 02 13:42:47 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00602B\V04200602A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\2Q	Method	: V104_200602B_8260.m
Data File	: V04200602A10.D	Operator	: VOA104:MKS
Date Inj'd	: 6/2/2020 7:50 am	Instrument	: VOA 104
Sample	: I8260STDL200PPB	Quant Date	: 6/2/2020 1:36 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A11.D
 Acq On : 2 Jun 2020 8:16 am
 Operator : VOA104:MKS
 Sample : I8260STD300PPB
 Misc : WG1377027
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 02 13:42:38 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	208656	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery	=	97.45%	
59) Chlorobenzene-d5	9.110	117	160103	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery	=	100.51%	
79) 1,4-Dichlorobenzene-d4	11.894	152	75743	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery	=	92.28%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	60506	20.032	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.16%	
43) 1,2-Dichloroethane-d4	5.356	65	51400	20.943	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	104.72%	
60) Toluene-d8	7.280	98	208690	19.576	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	97.88%	
83) 4-Bromofluorobenzene	10.646	95	69880	20.521	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.61%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	738290	331.810	ug/L	99
3) Chloromethane	1.691	50	834352	329.673	ug/L	100
4) Vinyl chloride	1.749	62	1003860	322.728	ug/L	99
5) Bromomethane	2.026	94	738870	No Calib		
6) Chloroethane	2.121	64	452583	229.314	ug/L	94
7) Trichlorofluoromethane	2.247	101	1547632	330.105	ug/L	99
8) Ethyl ether	2.525	74	386470	339.204	ug/L	83
10) 1,1-Dichloroethene	2.703	96	853783	333.962	ug/L	85
11) Carbon disulfide	2.729	76	2409600	320.093	ug/L	100
12) Freon-113	2.734	101	892303	331.923	ug/L	96
13) Iodomethane	2.834	142	1334885	350.614	ug/L	96
14) Acrolein	3.007	56	80891	327.437	ug/L	100
15) Methylene chloride	3.227	84	883279	325.665	ug/L	91
17) Acetone	3.264	43	116558	262.492	ug/L	97
18) trans-1,2-Dichloroethene	3.363	96	955051	326.835	ug/L	88
19) Methyl acetate	3.374	43	364138	343.671	ug/L	# 91
20) Methyl tert-butyl ether	3.447	73	1970242	323.072	ug/L	95
21) tert-Butyl alcohol	3.552	59	291696	1471.007	ug/L	91
22) Diisopropyl ether	3.788	45	2630005	323.095	ug/L	95
23) 1,1-Dichloroethane	3.914	63	1633377	320.781	ug/L	97
24) Halothane	3.977	117	779802	329.105	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A11.D
 Acq On : 2 Jun 2020 8:16 am
 Operator : VOA104:MKS
 Sample : I8260STD300PPB
 Misc : WG1377027
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 02 13:42:38 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.972	53	146167	342.613	ug/L	# 90
26) Ethyl tert-butyl ether	4.118	59	2492312	324.251	ug/L	97
27) Vinyl acetate	4.139	43	1498751	371.442	ug/L	96
28) cis-1,2-Dichloroethene	4.417	96	1026546	327.849	ug/L	89
29) 2,2-Dichloropropane	4.506	77	1414425	317.867	ug/L	99
30) Bromochloromethane	4.601	128	501732	322.626	ug/L	# 84
31) Cyclohexane	4.590	56	1322781	325.517	ug/L	83
32) Chloroform	4.674	83	1643261	316.232	ug/L	99
33) Ethyl acetate	4.774	43	508150	329.463	ug/L	# 95
34) Carbon tetrachloride	4.790	117	1509538	326.849	ug/L	100
35) Tetrahydrofuran	4.810	42	169664	371.094	ug/L	96
37) 1,1,1-Trichloroethane	4.852	97	1526831	319.502	ug/L	97
39) 2-Butanone	4.957	43	211007	317.505	ug/L	# 68
40) 1,1-Dichloropropene	4.973	75	1207129	321.552	ug/L	99
41) Benzene	5.214	78	3453147	324.116	ug/L	96
42) tert-Amyl methyl ether	5.314	73	2246985	322.894	ug/L	92
44) 1,2-Dichloroethane	5.419	62	1070012	322.066	ug/L	97
47) Methyl cyclohexane	5.770	83	1496849	334.770	ug/L	83
48) Trichloroethene	5.796	95	1029420	328.718	ug/L	98
50) Dibromomethane	6.231	93	559557	332.922	ug/L	98
51) 1,2-Dichloropropane	6.331	63	898775	324.645	ug/L	96
53) 2-Chloroethyl vinyl ether	7.023	63	459076	329.550	ug/L	# 97
54) Bromodichloromethane	6.410	83	1300599	323.634	ug/L	99
57) 1,4-Dioxane	6.625	88	213166	12941.539	ug/L	91
58) cis-1,3-Dichloropropene	7.086	75	1486473	331.366	ug/L	99
61) Toluene	7.338	92	2281381	319.264	ug/L	99
62) 4-Methyl-2-pentanone	7.783	58	213461	311.685	ug/L	# 96
63) Tetrachloroethene	7.778	166	1107728	322.761	ug/L	97
65) trans-1,3-Dichloropropene	7.830	75	1245441	322.168	ug/L	100
67) Ethyl methacrylate	8.019	69	838820	318.552	ug/L	95
68) 1,1,2-Trichloroethane	8.014	83	590924	317.298	ug/L	99
69) Chlorodibromomethane	8.218	129	1039082	322.106	ug/L	99
70) 1,3-Dichloropropane	8.329	76	1116268	312.459	ug/L	99
71) 1,2-Dibromoethane	8.486	107	732586	318.096	ug/L	100
72) 2-Hexanone	8.779	43	364559	303.770	ug/L	98
73) Chlorobenzene	9.126	112	2669514	317.609	ug/L	97
74) Ethylbenzene	9.167	91	4195698	306.890	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.215	131	1005934	308.338	ug/L	99
76) p/m Xylene	9.356	106	3274399	609.974	ug/L	99
77) o Xylene	9.901	106	3201242	616.292	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A11.D
 Acq On : 2 Jun 2020 8:16 am
 Operator : VOA104:MKS
 Sample : I8260STD300PPB
 Misc : WG1377027
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 02 13:42:38 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.975	104	5183718	605.435	ug/L	98
80)	Bromoform	10.006	173	612122	334.207	ug/L	99
82)	Isopropylbenzene	10.300	105	4063818	322.548	ug/L	96
84)	Bromobenzene	10.756	156	1122635	336.066	ug/L	99
85)	n-Propylbenzene	10.803	91	4688059	316.955	ug/L	98
86)	1,4-Dichlorobutane	10.835	55	886004	322.108	ug/L	95
87)	1,1,2,2-Tetrachloroethane	10.919	83	788544	332.843	ug/L	99
88)	4-Ethyltoluene	10.940	105	3903494	317.854	ug/L	97
89)	2-Chlorotoluene	10.976	91	2699494	317.257	ug/L	94
90)	1,3,5-Trimethylbenzene	11.044	105	3319710	318.979	ug/L	96
91)	1,2,3-Trichloropropane	11.055	75	578016	329.342	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.113	53	181449	333.667	ug/L #	67
93)	4-Chlorotoluene	11.170	91	2842241	327.930	ug/L	95
94)	tert-Butylbenzene	11.385	119	2886058	316.872	ug/L	100
97)	1,2,4-Trimethylbenzene	11.474	105	3282522	320.371	ug/L	97
98)	sec-Butylbenzene	11.584	105	4166258	308.267	ug/L	98
99)	p-Isopropyltoluene	11.747	119	3646890	311.508	ug/L	98
100)	1,3-Dichlorobenzene	11.810	146	1984156	321.679	ug/L	99
101)	1,4-Dichlorobenzene	11.910	146	1960368	320.591	ug/L	99
102)	p-Diethylbenzene	12.130	119	2188760	320.160	ug/L	99
103)	n-Butylbenzene	12.187	91	3243362	310.509	ug/L	98
104)	1,2-Dichlorobenzene	12.339	146	1794273	319.863	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.932	119	3384208	349.395	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.136	155	132826	346.402	ug/L	99
107)	1,3,5-Trichlorobenzene	13.157	180	1397063	325.925	ug/L	98
108)	Hexachlorobutadiene	13.739	225	687412	338.348	ug/L	99
109)	1,2,4-Trichlorobenzene	13.766	180	1205018	334.326	ug/L	99
110)	Naphthalene	14.054	128	2150183	359.089	ug/L	100
111)	1,2,3-Trichlorobenzene	14.227	180	1056698	337.707	ug/L	99

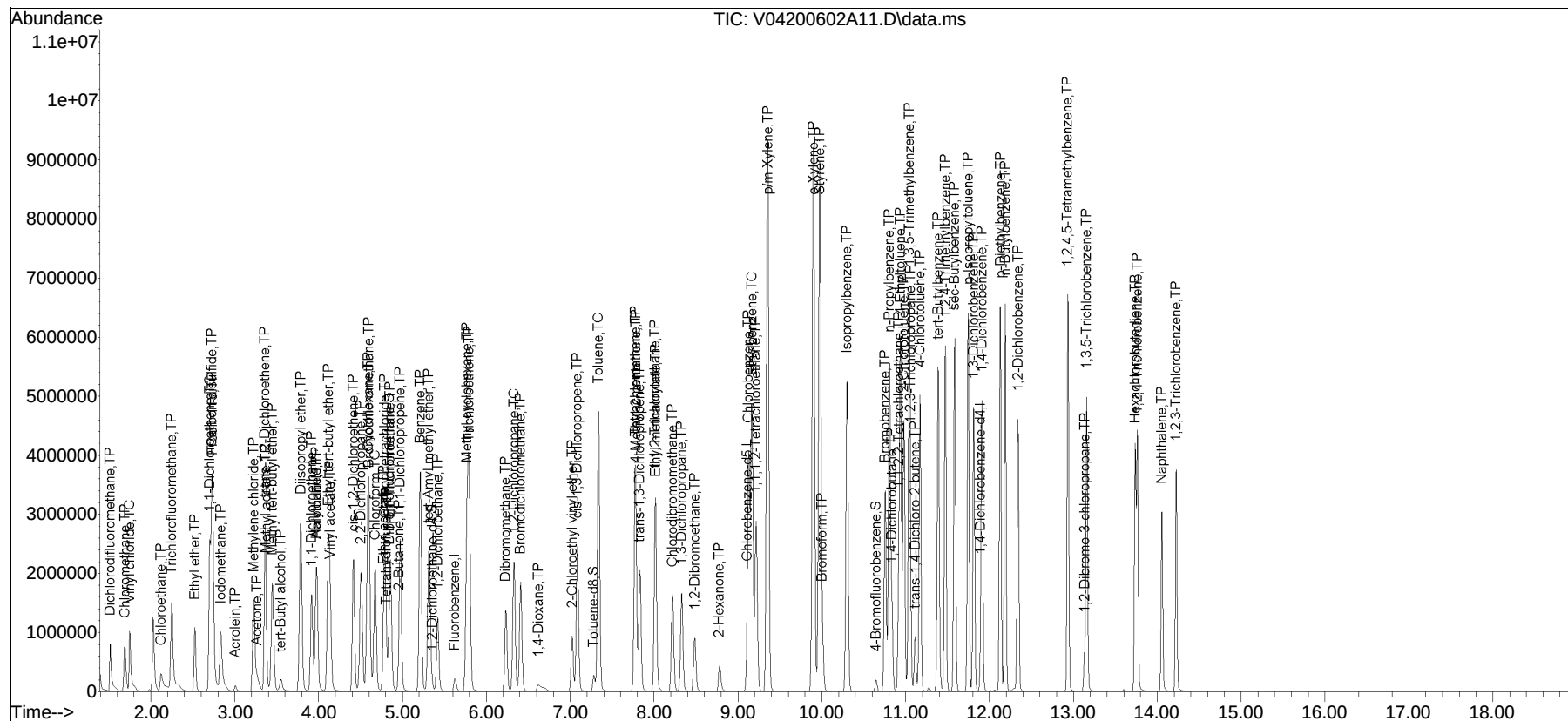
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A11.D
 Acq On : 2 Jun 2020 8:16 am
 Operator : VOA104:MKS
 Sample : I8260STD300PPB
 Misc : WG1377027
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 02 13:42:38 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:35:32 2020
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00602B\V04200602A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\2Q	Method	: V104_200602B_8260.m
Data File	: V04200602A11.D	Operator	: VOA104:MKS
Date Inj'd	: 6/2/2020 8:16 am	Instrument	: VOA 104
Sample	: I8260STDL300PPB	Quant Date	: 6/2/2020 1:36 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A15.D
 Acq On : 2 Jun 2020 9:59 am
 Operator : VOA104:MKS
 Sample : C8260STD140PPB
 Misc : WG1377027
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 13:54:32 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
 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	0.219	0.354	-61.6#	155	0.00
3 TP	Chloromethane	0.260	0.340	-30.8#	131	0.00
4 TC	Vinyl chloride	0.287	0.383	-33.4#	120	0.00
5 TP	Bromomethane	0.234	0.267	-14.1	112	0.00
6 TP	Chloroethane	0.190	0.210	-10.5	103	0.00
7 TP	Trichlorofluoromethane	0.459	0.547	-19.2	113	0.00
8 TP	Ethyl ether	0.118	0.128	-8.5	109	0.00
10 TC	1,1-Dichloroethene	0.237	0.271	-14.3	103	0.00
11 TP	Carbon disulfide	0.789	0.888	-12.5	115	0.00
12 TP	Freon-113	0.263	0.321	-22.1#	116	0.00
13 TP	Iodomethane	0.370	0.459	-24.1#	117	0.00
14 TP	Acrolein	0.026	0.028#	-7.7	111	0.00
15 TP	Methylene chloride	0.294	0.280	4.8	100	0.00
17 TP	Acetone	* 40.000	39.956	0.1	95	0.00
18 TP	trans-1,2-Dichloroethene	0.285	0.297	-4.2	99	0.00
19 TP	Methyl acetate	0.110	0.120	-9.1	110	0.00
20 TP	Methyl tert-butyl ether	0.630	0.656	-4.1	105	0.00
21 TP	tert-Butyl alcohol	0.021	0.021#	0.0	103	0.00
22 TP	Diisopropyl ether	0.835	0.823	1.4	98	0.00
23 TP	1,1-Dichloroethane	0.512	0.528	-3.1	101	0.00
24 TP	Halothane	0.221	0.244	-10.4	100	0.00
25 TP	Acrylonitrile	0.043	0.054	-25.6#	124	0.00
26 TP	Ethyl tert-butyl ether	0.796	0.799	-0.4	101	0.00
27 TP	Vinyl acetate	0.425	0.533	-25.4#	128	0.00
28 TP	cis-1,2-Dichloroethene	0.320	0.306	4.4	95	0.00
29 TP	2,2-Dichloropropane	0.431	0.446	-3.5	97	0.00
30 TP	Bromochloromethane	0.157	0.154	1.9	96	0.00
31 TP	Cyclohexane	0.397	0.453	-14.1	108	0.00
32 TC	Chloroform	0.550	0.520	5.5	97	0.00
33 TP	Ethyl acetate	0.170	0.151	11.2	95	0.00
34 TP	Carbon tetrachloride	* 40.000	39.707	0.7	99	0.00
35 TP	Tetrahydrofuran	0.059	0.059	0.0	104	0.00
36 S	Dibromofluoromethane	0.289	0.292	-1.0	94	0.00
37 TP	1,1,1-Trichloroethane	0.455	0.483	-6.2	98	0.00
39 TP	2-Butanone	0.065	0.072#	-10.8	106	0.00
40 TP	1,1-Dichloropropene	0.352	0.388	-10.2	101	0.00
41 TP	Benzene	1.120	1.040	7.1	95	0.00
42 TP	tert-Amyl methyl ether	0.715	0.717	-0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A15.D
 Acq On : 2 Jun 2020 9:59 am
 Operator : VOA104:MKS
 Sample : C8260STD40PPB
 Misc : WG1377027
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 13:54:32 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.239	0.237	0.8	94	0.00
44 TP	1,2-Dichloroethane	0.344	0.329	4.4	96	0.00
47 TP	Methyl cyclohexane	0.443	0.478	-7.9	104	0.00
48 TP	Trichloroethene	0.314	0.319	-1.6	99	0.00
50 TP	Dibromomethane	0.170	0.165	2.9	96	0.00
51 TC	1,2-Dichloropropane	0.283	0.270	4.6	95	0.00
53 TP	2-Chloroethyl vinyl ether	0.134	0.156	-16.4	109	0.00
54 TP	Bromodichloromethane	0.425	0.403	5.2	98	0.00
57 TP	1,4-Dioxane	0.00154	0.00182#	-18.2	108	0.00
58 TP	cis-1,3-Dichloropropene	0.459	0.417	9.2	90	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
60 S	Toluene-d8	1.329	1.325	0.3	95	0.00
61 TC	Toluene	0.930	0.900	3.2	96	0.00
62 TP	4-Methyl-2-pentanone	0.092	0.100#	-8.7	111	0.00
63 TP	Tetrachloroethene	0.416	0.442	-6.3	98	0.00
65 TP	trans-1,3-Dichloropropene	0.502	0.482	4.0	95	0.00
67 TP	Ethyl methacrylate	0.347	0.373	-7.5	108	0.00
68 TP	1,1,2-Trichloroethane	0.250	0.241	3.6	99	0.00
69 TP	Chlorodibromomethane	0.440	0.397	9.8	94	0.00
70 TP	1,3-Dichloropropane	0.470	0.461	1.9	98	0.00
71 TP	1,2-Dibromoethane	0.299	0.299	0.0	99	0.00
72 TP	2-Hexanone	0.161	0.173	-7.5	110	0.00
73 TP	Chlorobenzene	1.160	1.071	7.7	97	0.00
74 TC	Ethylbenzene	1.765	1.770	-0.3	99	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.441	0.424	3.9	99	0.00
76 TP	p/m Xylene	0.699	0.691	1.1	98	0.00
77 TP	o Xylene	0.699	0.674	3.6	99	0.00
78 TP	Styrene	1.144	1.125	1.7	100	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80 TP	Bromoform	0.517	0.503	2.7	101	0.00
82 TP	Isopropylbenzene	3.392	3.402	-0.3	99	0.00
83 S	4-Bromofluorobenzene	0.913	0.893	2.2	96	0.00
84 TP	Bromobenzene	0.968	0.901	6.9	99	0.00
85 TP	n-Propylbenzene	3.992	3.988	0.1	99	0.00
86 TP	1,4-Dichlorobutane	0.820	0.847	-3.3	113	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.717	0.654	8.8	101	0.00
88 TP	4-Ethyltoluene	3.335	3.459	-3.7	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A15.D
 Acq On : 2 Jun 2020 9:59 am
 Operator : VOA104:MKS
 Sample : C8260STD40PPB
 Misc : WG1377027
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 13:54:32 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	2.408	2.288	5.0	98	0.00
90 TP	1,3,5-Trimethylbenzene	2.878	2.782	3.3	98	0.00
91 TP	1,2,3-Trichloropropane	0.510	0.487	4.5	101	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.147	0.153	-4.1	103	0.00
93 TP	4-Chlorotoluene	2.509	2.368	5.6	100	0.00
94 TP	tert-Butylbenzene	2.434	2.490	-2.3	100	0.00
97 TP	1,2,4-Trimethylbenzene	2.858	2.836	0.8	101	0.00
98 TP	sec-Butylbenzene	3.565	3.714	-4.2	101	0.00
99 TP	p-Isopropyltoluene	3.097	3.209	-3.6	100	0.00
100 TP	1,3-Dichlorobenzene	1.747	1.647	5.7	98	0.00
101 TP	1,4-Dichlorobenzene	1.776	1.669	6.0	100	0.00
102 TP	p-Diethylbenzene	1.842	1.867	-1.4	100	0.00
103 TP	n-Butylbenzene	2.757	2.855	-3.6	100	0.00
104 TP	1,2-Dichlorobenzene	1.580	1.516	4.1	99	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.730	2.706	0.9	102	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.105	0.108	-2.9	103	0.00
107 TP	1,3,5-Trichlorobenzene	1.216	1.174	3.5	100	0.00
108 TP	Hexachlorobutadiene	0.567	0.566	0.2	102	0.00
109 TP	1,2,4-Trichlorobenzene	1.028	0.999	2.8	101	0.00
110 TP	Naphthalene	1.721	1.704	1.0	104	0.00
111 TP	1,2,3-Trichlorobenzene	0.904	0.864	4.4	101	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\VOA104\2020\200602B\
 Data File : V04200602A15.D
 Acq On : 2 Jun 2020 9:59 am
 Operator : VOA104:MKS
 Sample : C8260STD40PPB
 Misc : WG1377027
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 13:54:32 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	199506	20.000	ug/L	0.00
Standard Area 1 = 214110			Recovery =	93.18%		
59) Chlorobenzene-d5	9.110	117	151544	20.000	ug/L	0.00
Standard Area 1 = 159294			Recovery =	95.13%		
79) 1,4-Dichlorobenzene-d4	11.894	152	79276	20.000	ug/L	0.00
Standard Area 1 = 82080			Recovery =	96.58%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	58224	20.231	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.16%		
43) 1,2-Dichloroethane-d4	5.356	65	47382	19.903	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.52%		
60) Toluene-d8	7.280	98	200731	19.940	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.70%		
83) 4-Bromofluorobenzene	10.646	95	70758	19.550	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.75%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	141248	64.644	ug/L	99
3) Chloromethane	1.691	50	135580	52.196	ug/L	100
4) Vinyl chloride	1.748	62	152754	53.316	ug/L	98
5) Bromomethane	2.026	94	106599	45.671	ug/L	96
6) Chloroethane	2.136	64	83766	44.181	ug/L	95
7) Trichlorofluoromethane	2.257	101	218173	47.696	ug/L	99
8) Ethyl ether	2.530	74	51034	43.484	ug/L	84
10) 1,1-Dichloroethene	2.708	96	108270	45.762	ug/L	86
11) Carbon disulfide	2.734	76	354417	45.032	ug/L	100
12) Freon-113	2.739	101	128037	48.734	ug/L	98
13) Iodomethane	2.834	142	183026	49.529	ug/L	96
14) Acrolein	3.012	56	11243	43.081	ug/L	91
15) Methylene chloride	3.227	84	111680	38.137	ug/L	91
17) Acetone	3.269	43	17402	39.956	ug/L	93
18) trans-1,2-Dichloroethene	3.363	96	118344	41.627	ug/L	88
19) Methyl acetate	3.374	43	47734	43.686	ug/L	# 92
20) Methyl tert-butyl ether	3.452	73	261862	41.640	ug/L	96
21) tert-Butyl alcohol	3.552	59	42056	204.258	ug/L	94
22) Diisopropyl ether	3.788	45	328490	39.427	ug/L	94
23) 1,1-Dichloroethane	3.919	63	210631	41.274	ug/L	98
24) Halothane	3.977	117	97459	44.147	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A15.D
 Acq On : 2 Jun 2020 9:59 am
 Operator : VOA104:MKS
 Sample : C8260STD40PPB
 Misc : WG1377027
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 13:54:32 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.977	53	21718	50.269	ug/L	93
26) Ethyl tert-butyl ether	4.118	59	319009	40.185	ug/L	93
27) Vinyl acetate	4.145	43	212527	50.099	ug/L	97
28) cis-1,2-Dichloroethene	4.417	96	122036	38.289	ug/L	89
29) 2,2-Dichloropropane	4.506	77	177850	41.414	ug/L	99
30) Bromochloromethane	4.606	128	61330	39.095	ug/L	87
31) Cyclohexane	4.590	56	180837	45.686	ug/L	83
32) Chloroform	4.674	83	207683	37.856	ug/L	98
33) Ethyl acetate	4.779	43	60260	35.542	ug/L #	97
34) Carbon tetrachloride	4.789	117	187790	39.707	ug/L	100
35) Tetrahydrofuran	4.816	42	23479	39.795	ug/L	95
37) 1,1,1-Trichloroethane	4.858	97	192703	42.469	ug/L	97
39) 2-Butanone	4.962	43	28862	44.462	ug/L #	64
40) 1,1-Dichloropropene	4.973	75	154924	44.153	ug/L	99
41) Benzene	5.214	78	414787	37.127	ug/L	96
42) tert-Amyl methyl ether	5.319	73	286165	40.098	ug/L	93
44) 1,2-Dichloroethane	5.424	62	131266	38.301	ug/L	98
47) Methyl cyclohexane	5.770	83	190575	43.084	ug/L	84
48) Trichloroethene	5.796	95	127326	40.673	ug/L	98
50) Dibromomethane	6.237	93	65985	38.907	ug/L	98
51) 1,2-Dichloropropane	6.331	63	107717	38.156	ug/L	96
53) 2-Chloroethyl vinyl ether	7.023	63	62191	46.478	ug/L	97
54) Bromodichloromethane	6.410	83	160991	38.006	ug/L	99
57) 1,4-Dioxane	6.619	88	36385	2371.123	ug/L	91
58) cis-1,3-Dichloropropene	7.086	75	166220	36.305	ug/L	98
61) Toluene	7.338	92	272779	38.710	ug/L	99
62) 4-Methyl-2-pentanone	7.783	58	30221	43.483	ug/L #	93
63) Tetrachloroethene	7.778	166	134103	42.550	ug/L	96
65) trans-1,3-Dichloropropene	7.830	75	146078	38.383	ug/L	99
67) Ethyl methacrylate	8.019	69	113045	43.045	ug/L	99
68) 1,1,2-Trichloroethane	8.014	83	73081	38.534	ug/L	99
69) Chlorodibromomethane	8.218	129	120359	36.139	ug/L	98
70) 1,3-Dichloropropane	8.329	76	139676	39.209	ug/L	100
71) 1,2-Dibromoethane	8.486	107	90641	39.958	ug/L	99
72) 2-Hexanone	8.785	43	52495	42.951	ug/L	97
73) Chlorobenzene	9.125	112	324475	36.904	ug/L	98
74) Ethylbenzene	9.162	91	536555	40.128	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.215	131	128429	38.440	ug/L	99
76) p/m Xylene	9.351	106	418642	79.043	ug/L	99
77) o Xylene	9.896	106	408747	77.185	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
 Data File : V04200602A15.D
 Acq On : 2 Jun 2020 9:59 am
 Operator : VOA104:MKS
 Sample : C8260STD40PPB
 Misc : WG1377027
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 13:54:32 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\200602B\V04200602A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.970	104	682068	78.658	ug/L	99
80)	Bromoform	10.001	173	79809	38.975	ug/L	100
82)	Isopropylbenzene	10.300	105	539417	40.117	ug/L	97
84)	Bromobenzene	10.756	156	142780	37.208	ug/L	99
85)	n-Propylbenzene	10.803	91	632303	39.959	ug/L	99
86)	1,4-Dichlorobutane	10.829	55	134340	41.329	ug/L	96
87)	1,1,2,2-Tetrachloroethane	10.913	83	103695	36.496	ug/L	98
88)	4-Ethyltoluene	10.934	105	548473	41.491	ug/L	98
89)	2-Chlorotoluene	10.976	91	362824	38.006	ug/L	96
90)	1,3,5-Trimethylbenzene	11.039	105	441163	38.676	ug/L	96
91)	1,2,3-Trichloropropane	11.050	75	77157	38.144	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.113	53	24262	41.521	ug/L #	74
93)	4-Chlorotoluene	11.165	91	375449	37.745	ug/L	95
94)	tert-Butylbenzene	11.385	119	394735	40.919	ug/L	99
97)	1,2,4-Trimethylbenzene	11.469	105	449694	39.702	ug/L	97
98)	sec-Butylbenzene	11.579	105	588883	41.670	ug/L	99
99)	p-Isopropyltoluene	11.742	119	508750	41.449	ug/L	99
100)	1,3-Dichlorobenzene	11.810	146	261135	37.711	ug/L	99
101)	1,4-Dichlorobenzene	11.910	146	264572	37.591	ug/L	99
102)	p-Diethylbenzene	12.124	119	295995	40.532	ug/L	97
103)	n-Butylbenzene	12.182	91	452604	41.419	ug/L	99
104)	1,2-Dichlorobenzene	12.339	146	240367	38.374	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.932	119	428986	39.649	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.131	155	17200	41.261	ug/L	100
107)	1,3,5-Trichlorobenzene	13.157	180	186165	38.630	ug/L	99
108)	Hexachlorobutadiene	13.734	225	89720	39.933	ug/L	100
109)	1,2,4-Trichlorobenzene	13.760	180	158374	38.855	ug/L	99
110)	Naphthalene	14.054	128	270210	39.615	ug/L	100
111)	1,2,3-Trichlorobenzene	14.227	180	136954	38.240	ug/L	99

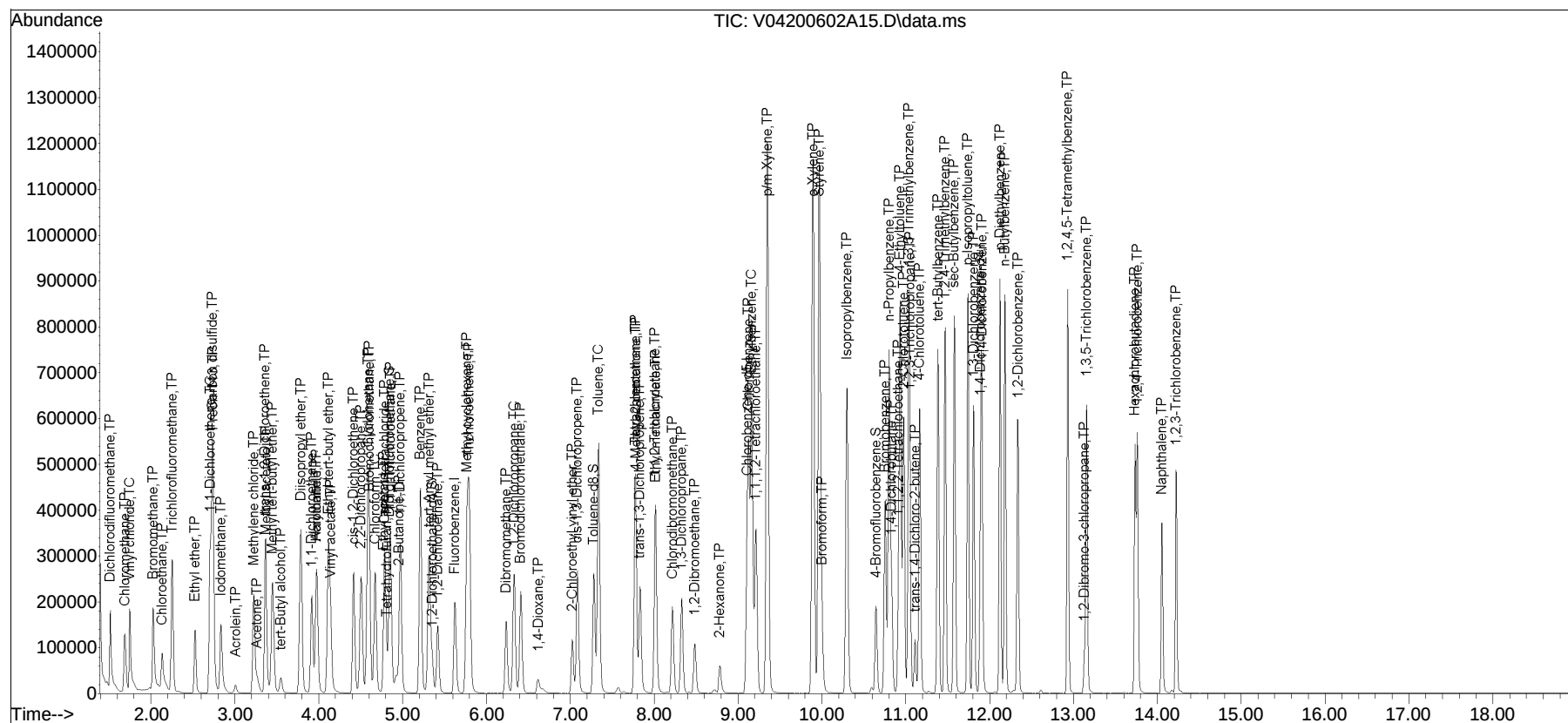
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200602B\
Data File : V04200602A15.D
Acq On : 2 Jun 2020 9:59 am
Operator : VOA104:MKS
Sample : C8260STDL40PPB
Misc : WG1377027
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 13:54:32 2020
Quant Method : I:\VOLATILES\VOA104\2020\200602B\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:53:50 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00602B\V04200602A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\2Q	Method	: V104_200602B_8260.m
Data File	: V04200602A15.D	Operator	: VOA104:MKS
Date Inj'd	: 6/2/2020 9:59 am	Instrument	: VOA 104
Sample	: C8260STDL40PPB	Quant Date	: 6/2/2020 1:54 pm

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

Response Factor Report VOA126

Method Path : I:\VOLATILES\VOA126\2020\201012N\
 Method File : V126_201012N_8260Suff.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Oct 13 17:03:21 2020
 Response Via : Initial Calibration

Calibration Files

L0 =V26201012N03.D L1 =V26201012N04.D L1.5=V26201012N05.D L2 =V26201012N06.D L3 =V26201012N07.D
 L4 =V26201012N08.D L6 =V26201012N09.D L7 =V26201012N10.D L8 =V26201012N11.D

Compound		L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
-----ISTD-----												
1) I	Fluorobenzene											
2) TP	Dichlorodifluo...	0.202	0.205	0.204	0.196	0.204	0.184	0.178	0.172	0.193	6.77	
3) TP	Chlorodifluoro...	0.212	0.181	0.183	0.165	0.165	0.149	0.148	0.146	0.169	13.51	
4) TP	Chloromethane		0.227	0.197	0.176	0.163	0.161	0.167	0.178	0.181	12.92	
5) TC	Vinyl chloride	0.253	0.246	0.242	0.247	0.241	0.231	0.224	0.218	0.238	5.19	
6) TP	Bromomethane	0.156	0.137	0.130	0.126	0.125	0.124	0.129	0.133	0.132	7.85	
7) TP	Chloroethane	0.120	0.124	0.127	0.124	0.121	0.118	0.116	0.115	0.121	3.51	
8) TP	Trichlorofluor...	0.316	0.325	0.319	0.320	0.319	0.299	0.285	0.280	0.308	5.70	
9) TP	Ethyl ether	0.096	0.096	0.096	0.099	0.097	0.099	0.102	0.102	0.098	2.60	
11) TC	1,1-Dichloroet...	0.195	0.190	0.188	0.190	0.184	0.177	0.177	0.176	0.185	3.79	
12) TP	Carbon disulfide	1.221	0.857	0.660	0.520	0.481	0.453	0.444	0.446	*L	0.9997	
13) TP	Freon-113	0.185	0.181	0.186	0.186	0.187	0.175	0.166	0.163	0.178	5.39	
14) TP	Iodomethane	0.153	0.142	0.139	0.157	0.177	0.195	0.190	0.177	0.166	12.82	
15) TP	Acrolein	0.015	0.016	0.014	0.017	0.017	0.016	0.017	0.017	0.016#	7.61	
16) TP	Allyl chloride	0.113	0.110	0.117	0.121	0.120	0.119	0.114	0.109	0.116	3.93	
17) TP	Methylene chlo...	0.259	0.241	0.228	0.219	0.208	0.206	0.206	0.208	0.222	8.85	
19) TP	Acetone	0.182	0.107	0.063	0.039	0.031	0.028	0.031	0.030	*L	0.9981	
20) TP	trans-1,2-Dich...	0.215	0.225	0.222	0.228	0.219	0.215	0.215	0.216	0.219	2.35	
21) TP	Methyl acetate	0.084	0.079	0.076	0.080	0.077	0.074	0.080	0.079	0.078#	3.64	
22) TP	Hexane	0.231	0.253	0.258	0.255	0.265	0.244	0.225	0.224	0.244	6.49	
23) TP	Methyl tert-bu...	0.474	0.489	0.473	0.503	0.499	0.501	0.515	0.516	0.496	3.31	
24) TP	tert-Butyl alc...		0.012	0.013	0.016	0.015	0.015	0.016	0.017	0.015#	11.29	
25) TP	Diisopropyl ether	0.468	0.464	0.475	0.494	0.480	0.483	0.495	0.499	0.482	2.68	
26) TP	1,1-Dichloroet...	0.343	0.339	0.340	0.344	0.331	0.329	0.330	0.331	0.336	1.83	
27) TP	Halothane	0.167	0.167	0.169	0.178	0.176	0.169	0.169	0.171	0.171	2.30	
28) TP	Acrylonitrile	0.029	0.041	0.039	0.042	0.042	0.040	0.043	0.043	*L	0.9993	
29) TP	Ethyl tert-but...	0.480	0.486	0.484	0.517	0.506	0.514	0.527	0.534	0.506	4.07	
30) TP	Vinyl acetate	0.229	0.227	0.230	0.255	0.253	0.260	0.265	0.278	0.250	7.64	
31) TP	cis-1,2-Dichlo...	0.258	0.239	0.248	0.251	0.242	0.243	0.244	0.247	0.246	2.42	
32) TP	2,2-Dichloropr...	0.274	0.293	0.297	0.312	0.308	0.302	0.304	0.307	0.300	4.03	
33) TP	Bromochloromet...	0.110	0.111	0.109	0.113	0.108	0.108	0.106	0.105	0.109	2.50	

Response Factor Report VOA126

Method Path : I:\VOLATILES\VOA126\2020\201012N\
 Method File : V126_201012N_8260Suff.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Oct 13 17:03:21 2020
 Response Via : Initial Calibration

Calibration Files

L0 =V26201012N03.D L1 =V26201012N04.D L1.5=V26201012N05.D L2 =V26201012N06.D L3 =V26201012N07.D
 L4 =V26201012N08.D L6 =V26201012N09.D L7 =V26201012N10.D L8 =V26201012N11.D

	Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
34)	TP Cyclohexane	0.264	0.268	0.280	0.275	0.278	0.259	0.245	0.246	0.265	5.11	
35)	TC Chloroform	0.410	0.400	0.401	0.408	0.393	0.389	0.388	0.388	0.397	2.23	
36)	TP Ethyl acetate	0.095	0.102	0.106	0.111	0.110	0.109	0.117	0.118	0.109	6.97	
37)	TP Carbon tetrach...	0.284	0.302	0.308	0.330	0.328	0.318	0.312	0.315	0.312	4.69	
38)	TP Tetrahydrofuran	0.056	0.044	0.034	0.034	0.034	0.031	0.033	0.033	*L	0.9991	
39)	S Dibromofluorom...	0.261	0.260	0.266	0.261	0.261	0.262	0.264	0.264	0.262	0.75	
40)	TP 1,1,1-Trichlor...	0.326	0.341	0.343	0.352	0.363	0.351	0.340	0.337	0.342	0.344	3.03
42)	TP 2-Butanone	0.070	0.058	0.052	0.051	0.049	0.048	0.050	0.051	*L	0.9997	
43)	TP 1,1-Dichloropr...	0.277	0.279	0.286	0.295	0.297	0.289	0.277	0.273	0.275	0.283	3.15
44)	TP Heptane	0.195	0.207	0.216	0.206	0.210	0.193	0.181	0.185	0.199	6.21	
45)	TP Benzene	0.881	0.882	0.864	0.864	0.879	0.846	0.838	0.838	0.842	0.859	2.18
46)	TP tert-Amyl meth...	0.473	0.495	0.495	0.523	0.518	0.522	0.537	0.543	0.513	4.60	
47)	S 1,2-Dichloroet...	0.223	0.226	0.228	0.223	0.222	0.223	0.217	0.223	0.239	0.225	2.69
48)	TP 1,2-Dichloroet...	0.273	0.258	0.249	0.255	0.245	0.243	0.248	0.254	0.253	3.79	
51)	TP Methyl cyclohe...	0.325	0.335	0.342	0.345	0.352	0.322	0.303	0.306	0.329	5.49	
52)	TP Trichloroethene	0.226	0.238	0.229	0.237	0.248	0.238	0.233	0.232	0.234	0.235	2.72
54)	TP Dibromomethane	0.125	0.124	0.126	0.131	0.124	0.124	0.126	0.127	0.126	1.81	
55)	TC 1,2-Dichloropr...	0.192	0.197	0.194	0.205	0.196	0.196	0.196	0.198	0.197	1.85	
57)	TP 2-Chloroethyl ...	0.083	0.079	0.081	0.083	0.084	0.085	0.094	0.097	0.086	7.28	
58)	TP Bromodichlorom...	0.269	0.274	0.289	0.297	0.315	0.307	0.309	0.311	0.313	0.298	5.83
60)	TP Methyl methacr...	0.103	0.110	0.107	0.119	0.119	0.118	0.124	0.124	0.116	6.81	
61)	TP 1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	12.05	
62)	TP cis-1,3-Dichlo...	0.300	0.303	0.308	0.314	0.346	0.342	0.345	0.350	0.351	0.329	6.64
63)	I Chlorobenzene-d5	-----ISTD-----										
64)	TP Octane	0.261	0.258	0.275	0.280	0.283	0.276	0.276	0.295	0.275	4.27	
65)	S Toluene-d8	1.287	1.274	1.279	1.278	1.273	1.266	1.255	1.261	1.259	1.270	0.83
66)	TC Toluene	0.737	0.730	0.722	0.747	0.720	0.705	0.716	0.721	0.725	1.82	
67)	TP 4-Methyl-2-pen...	0.055	0.062	0.062	0.071	0.068	0.068	0.073	0.073	0.066#	9.39	
68)	TP Tetrachloroethene	0.369	0.359	0.355	0.357	0.354	0.339	0.327	0.330	0.333	0.347	4.33
69)	TP 2-Nitropropane		0.034	0.033	0.040	0.040	0.042	0.043	0.045	0.040	11.25	
71)	TP trans-1,3-Dich...	0.309	0.318	0.339	0.383	0.375	0.379	0.395	0.403	0.363	9.87	

Response Factor Report VOA126

Method Path : I:\VOLATILES\VOA126\2020\201012N\
 Method File : V126_201012N_8260Suff.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Oct 13 17:03:21 2020
 Response Via : Initial Calibration

Calibration Files

L0 =V26201012N03.D L1 =V26201012N04.D L1.5=V26201012N05.D L2 =V26201012N06.D L3 =V26201012N07.D
 L4 =V26201012N08.D L6 =V26201012N09.D L7 =V26201012N10.D L8 =V26201012N11.D

	Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
72)	TP Methyl isothio...	0.111	0.118	0.119	0.139	0.140	0.142	0.152	0.154	0.134	12.21	
74)	TP Ethyl methacry...	0.239	0.248	0.258	0.290	0.292	0.291	0.312	0.316	0.281	10.31	
75)	TP 1,1,2-Trichlor...	0.177	0.181	0.184	0.194	0.188	0.186	0.192	0.193	0.187	3.19	
76)	TP Chlorodibromom...	0.229	0.239	0.247	0.250	0.291	0.290	0.298	0.306	0.310	0.273	11.63
77)	TP 1,3-Dichloropr...	0.365	0.364	0.361	0.382	0.372	0.370	0.381	0.383	0.372	2.35	
78)	TP 1,2-Dibromoethane	0.210	0.213	0.207	0.230	0.223	0.222	0.229	0.229	0.220	4.22	
79)	TP n-Butyl Acetate	0.232	0.257	0.239	0.278	0.279	0.276	0.297	0.299	0.270	9.25	
80)	TP 2-Hexanone	0.106	0.104	0.101	0.112	0.111	0.108	0.117	0.117	0.110	5.36	
81)	TP Nonane	0.360	0.358	0.369	0.395	0.404	0.420	0.435	0.466	0.401	9.56	
82)	TP Chlorobenzene	0.848	0.861	0.833	0.843	0.858	0.830	0.813	0.823	0.826	0.837	1.96
83)	TC Ethylbenzene	1.370	1.393	1.408	1.458	1.400	1.358	1.375	1.367	1.391	2.32	
84)	TP 1,1,1,2-Tetrac...	0.248	0.275	0.263	0.279	0.310	0.308	0.309	0.320	0.326	0.293	9.39
85)	TP p/m Xylene	0.535	0.543	0.538	0.556	0.580	0.558	0.546	0.563	0.574	0.555	2.82
86)	TP o Xylene	0.486	0.495	0.498	0.514	0.540	0.522	0.515	0.537	0.545	0.517	4.07
87)	TP Styrene	0.769	0.777	0.798	0.831	0.903	0.879	0.880	0.906	0.897	0.849	6.58
88)	I 1,4-Dichlorobenzene-d4	-----ISTD-----										
89)	TP Bromoform	0.276	0.278	0.288	0.334	0.339	0.352	0.376	0.386	0.329	13.20	
91)	TP Isopropylbenzene	2.650	2.690	2.753	2.763	2.621	2.575	2.585	2.579	2.652	2.88	
92)	S 4-Bromofluorob...	0.917	0.914	0.915	0.912	0.885	0.865	0.873	0.862	0.856	0.889	2.89
93)	TP Bromobenzene	0.670	0.678	0.678	0.694	0.663	0.660	0.663	0.658	0.670	1.86	
94)	TP Decane	0.837	0.803	0.837	0.845	0.873	0.928	0.932	0.963	0.877	6.49	
95)	TP n-Propylbenzene	3.234	3.193	3.273	3.279	3.090	3.010	2.973	2.915	3.121	4.59	
96)	TP 1,4-Dichlorobu...	0.527	0.544	0.540	0.548	0.521	0.521	0.533	0.532	0.533	1.92	
97)	TP 1,1,2,2-Tetrac...	0.487	0.486	0.507	0.507	0.531	0.505	0.501	0.511	0.509	0.505	2.62
98)	TP 4-Ethyltoluene	2.607	2.609	2.673	2.696	2.566	2.508	2.493	2.458	2.576	3.33	
99)	TP 2-Chlorotoluene	2.122	2.143	2.188	2.150	2.020	2.024	2.077	2.130	2.107	2.88	
100)	TP 1,3,5-Trimethy...	2.209	2.254	2.321	2.343	2.223	2.222	2.260	2.298	2.266	2.18	
101)	TP 1,2,3-Trichlor...	0.384	0.372	0.381	0.385	0.364	0.356	0.364	0.359	0.371	3.17	
102)	TP trans-1,4-Dich...	0.095	0.108	0.113	0.121	0.118	0.122	0.132	0.137	0.118	11.27	
103)	TP 4-Chlorotoluene	1.951	1.943	2.000	1.966	1.846	1.833	1.828	1.821	1.898	3.86	
104)	TP tert-Butylbenzene	1.921	1.952	2.009	2.036	1.931	1.890	1.881	1.881	1.938	3.02	

Response Factor Report VOA126

Method Path : I:\VOLATILES\VOA126\2020\201012N\
 Method File : V126_201012N_8260Suff.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Oct 13 17:03:21 2020
 Response Via : Initial Calibration

Calibration Files

L0 =V26201012N03.D L1 =V26201012N04.D L1.5=V26201012N05.D L2 =V26201012N06.D L3 =V26201012N07.D
 L4 =V26201012N08.D L6 =V26201012N09.D L7 =V26201012N10.D L8 =V26201012N11.D

	Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
107)	TP 1,2,4-Trimethy...	2.199	2.214	2.253	2.294	2.171	2.169	2.185	2.181	2.208	2.01	
108)	TP Limonene	0.599	0.664	0.691	0.741	0.734	0.725	0.728	0.748	0.704	7.23	
109)	TP sec-Butylbenzene	2.829	2.881	2.988	3.051	2.902	2.801	2.774	2.744	2.871	3.71	
110)	TP p-Isopropyltol...	2.461	2.470	2.568	2.637	2.506	2.452	2.450	2.439	2.498	2.81	
111)	TP 1,3-Dichlorobe...	1.352	1.332	1.369	1.378	1.307	1.308	1.311	1.308	1.333	2.23	
112)	TP 1,4-Dichlorobe...	1.347	1.326	1.361	1.357	1.291	1.282	1.294	1.292	1.319	2.49	
113)	TP trans-Decahydr...	0.643	0.678	0.707	0.700	0.695	0.693	0.695	0.752	0.695	4.36	
114)	TP Undecane	0.819	0.782	0.794	0.809	0.813	0.815	0.774	0.714	0.790	4.41	
115)	TP p-Diethylbenzene	1.493	1.516	1.536	1.588	1.497	1.501	1.541	1.584	1.532	2.45	
116)	TP n-Butylbenzene	2.768	2.788	2.839	2.844	2.689	2.674	2.750	2.826	2.772	2.36	
117)	TP Hexachloroethane	0.376	0.413	0.413	0.486	0.495	0.510	0.530	0.538	0.470	12.96	
118)	TP 1,2-Dichlorobe...	1.216	1.204	1.216	1.260	1.198	1.198	1.209	1.214	1.214	1.65	
119)	TP cis-Decahydron...	0.505	0.510	0.536	0.549	0.543	0.531	0.532	0.564	0.534	3.64	
120)	TP 1,2,4,5-Tetram...	2.059	2.011	2.119	2.317	2.249	2.266	2.306	2.265	2.199	5.38	
121)	TP 1,2-Dibromo-3-...	0.071	0.076	0.072	0.089	0.089	0.091	0.099	0.098	0.086	12.96	
122)	TP 1,3,5-Trichlor...	0.940	0.881	0.899	0.954	0.911	0.916	0.931	0.915	0.918	2.51	
123)	TP Nitrobenzene		0.012	0.015	0.019	0.021	0.025		*L		0.9924	
124)	TP Hexachlorobuta...	0.437	0.435	0.446	0.480	0.468	0.467	0.483	0.484	0.462	4.40	
125)	TP 1,2,4-Trichlor...	0.852	0.796	0.793	0.866	0.832	0.836	0.860	0.834	0.834	3.27	
126)	TP Naphthalene	1.520	1.517	1.486	1.667	1.651	1.647	1.695	1.613	1.599	5.00	
127)	TP 1,2,3-Trichlor...	0.751	0.712	0.706	0.780	0.752	0.761	0.786	0.748	0.750	3.82	

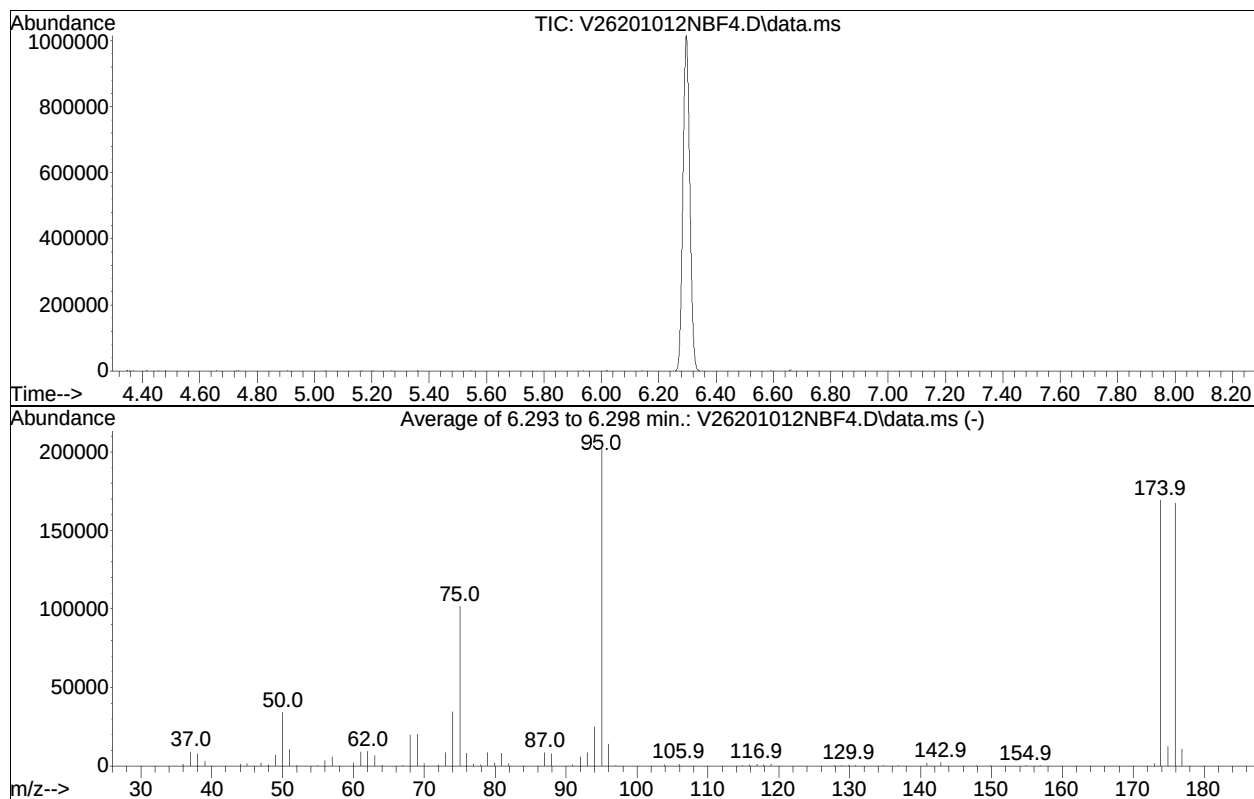
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\VOA126\2020\201012N\
Data File : V26201012NBF4.D
Acq On : 12 Oct 2020 08:48 pm
Operator : VOA126:JC
Sample : WG1421526-1
Misc : WG1421526,ICAL
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
Title : VOLATILES BY GC/MS
Last Update : Tue Oct 13 11:34:27 2020



Spectrum Information: Average of 6.293 to 6.298 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	34253	PASS
75	95	30	60	50.1	101944	PASS
95	95	100	100	100.0	203307	PASS
96	95	5	9	6.9	13956	PASS
173	174	0.00	2	0.9	1514	PASS
174	95	50	100	83.4	169600	PASS
175	174	5	9	7.3	12396	PASS
176	174	95	101	98.6	167211	PASS
177	176	5	9	6.7	11165	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N03.D
 Acq On : 12 Oct 2020 10:41 pm
 Operator : VOA126:JC
 Sample : I8260STD0.5PPB
 Misc : WG1421526,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 13 11:01:06 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-L0 - SOILS Level 0.5ppb with Chlorodibromomethane

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

Internal Standards						
1) Fluorobenzene	11.538	96	670661	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	103.52%	
63) Chlorobenzene-d5	18.237	117	525265	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	102.72%	
88) 1,4-Dichlorobenzene-d4	23.892	152	265972	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	94.65%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.901	113	175201	20.014	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.07%	
47) 1,2-Dichloroethane-d4	10.905	65	149446	19.992	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.96%	
65) Toluene-d8	14.871	98	675882	20.324	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	101.62%	
92) 4-Bromofluorobenzene	21.073	95	243827	21.189	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	105.94%	
Target Compounds						Qvalue
40) 1,1,1-Trichloroethane	10.247	97	5474M1	0.465	ug/L	
43) 1,1-Dichloropropene	10.565	75	4642	0.480	ug/L #	75
45) Benzene	11.109	78	14768	0.521	ug/L #	76
52) Trichloroethene	12.355	95	3785	0.474	ug/L #	25
58) Bromodichloromethane	13.209	83	4507	0.438	ug/L #	56
62) cis-1,3-Dichloropropene	14.366	75	5026	0.438	ug/L #	78
68) Tetrachloroethene	16.466	166	4850	0.544	ug/L #	81
76) Chlorodibromomethane	16.931	129	3001	0.394	ug/L	94
82) Chlorobenzene	18.320	112	11132	0.511	ug/L	98
84) 1,1,1,2-Tetrachloroethane	18.429	131	3262M1	0.403	ug/L	
85) p/m Xylene	18.627	106	14046	0.958	ug/L	88
86) o Xylene	19.634	106	12757	0.931	ug/L	89
87) Styrene	19.726	104	20201	0.875	ug/L	93
97) 1,1,2,2-Tetrachloroethane	20.914	83	3240	0.483	ug/L #	95

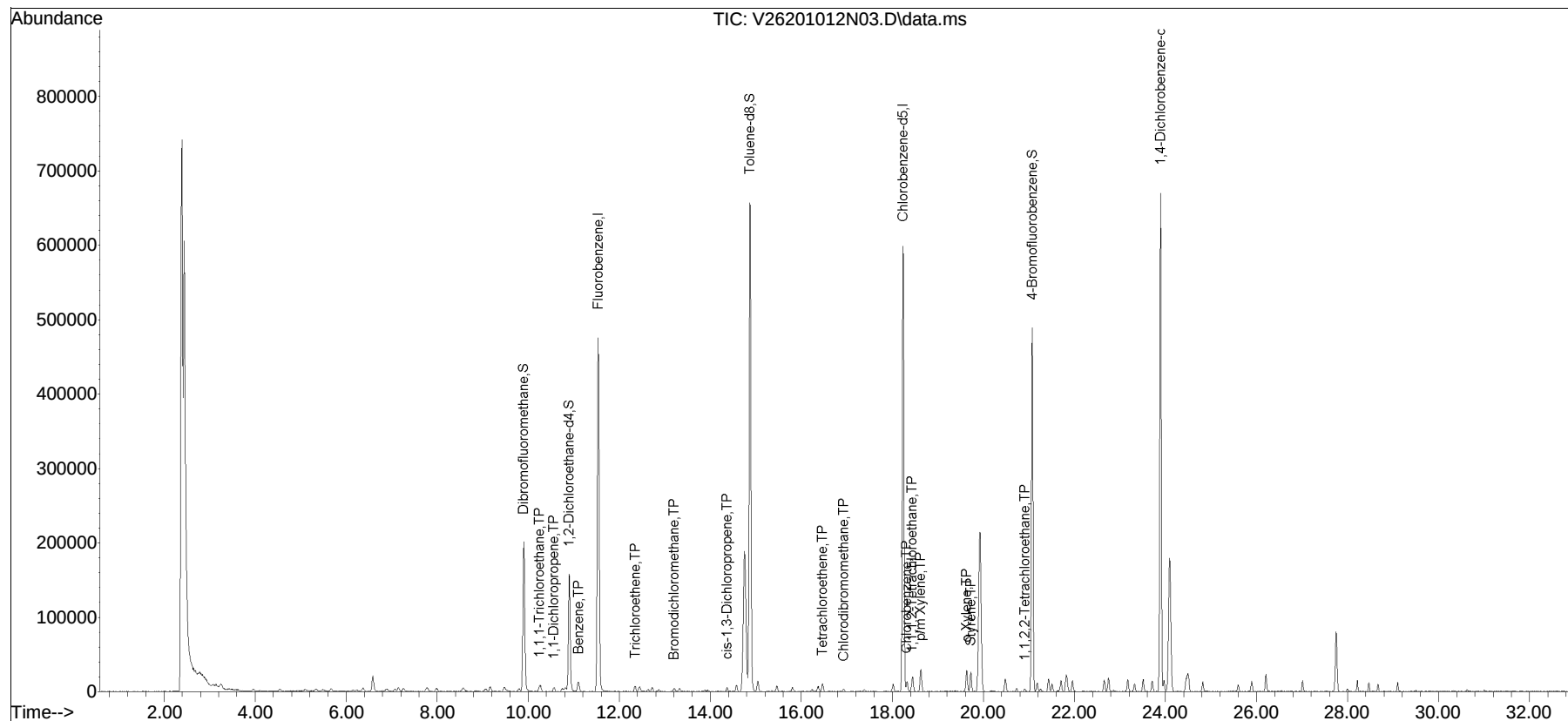
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N03.D
 Acq On : 12 Oct 2020 10:41 pm
 Operator : VOA126:JC
 Sample : I8260STD0.5PPB
 Misc : WG1421526,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 13 11:01:06 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

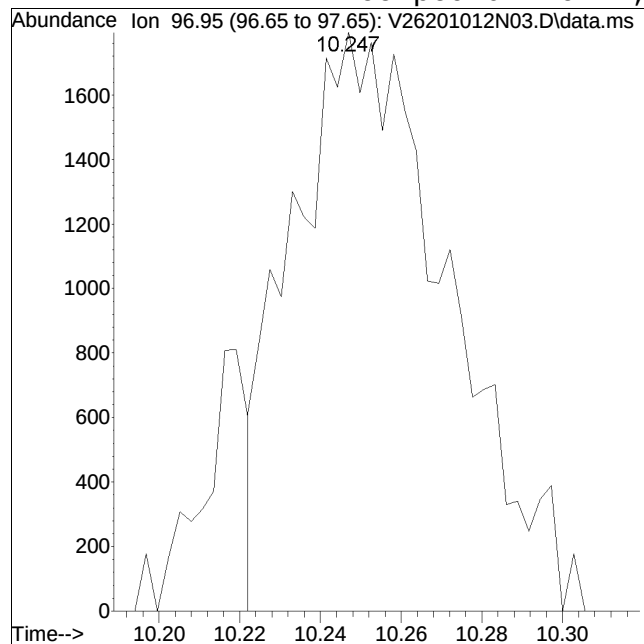
Sub List : 8260-L0 - SOILS Level 0.5ppb with Chlorodibromomethane



Manual Integration Report

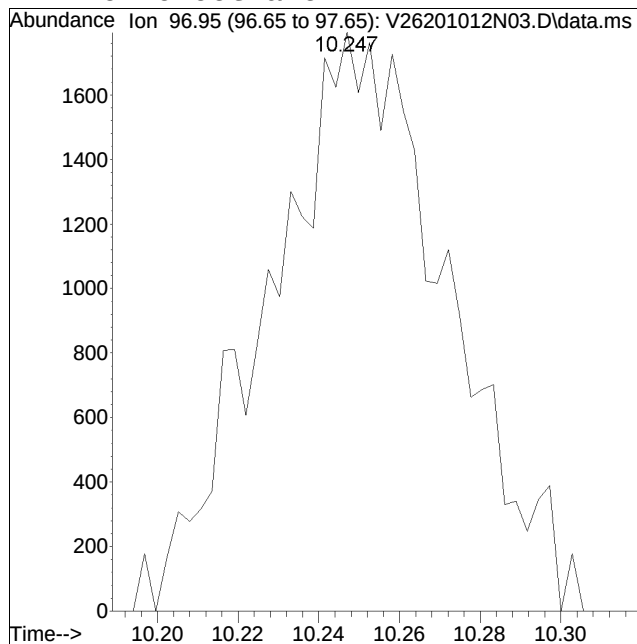
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Data File : V26201012N03.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 10:41 pm Instrument : VOA126
Sample : I8260STD0.5PPB Quant Date : 10/13/2020 10:57 am

Compound #40: 1,1,1-Trichloroethane



Original Peak Response = 4889

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

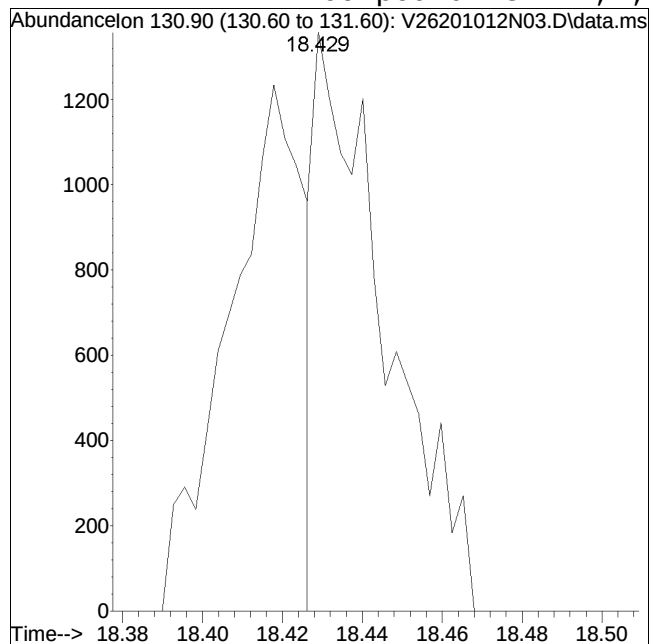


Manual Peak Response = 5474 M1

Manual Integration Report

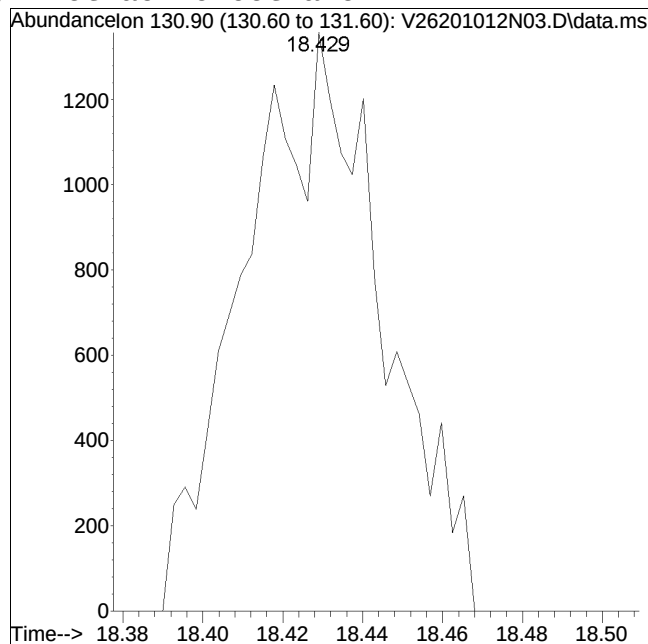
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N03.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 10:41 pm Instrument : VOA126
Sample : I8260STD0.5PPB Quant Date : 10/13/2020 10:57 am

Compound #84: 1,1,1,2-Tetrachloroethane



Original Peak Response = 1664

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



Manual Peak Response = 3262 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N04.D
 Acq On : 12 Oct 2020 11:21 pm
 Operator : VOA126:JC
 Sample : I8260STD1.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 11:33:03 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 11:30:26 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.538	96	654185	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	100.98%	
63) Chlorobenzene-d5	18.237	117	519319	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	101.55%	
88) 1,4-Dichlorobenzene-d4	23.892	152	267975	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	95.36%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.904	113	169893	19.818	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.09%	
47) 1,2-Dichloroethane-d4	10.902	65	148034	20.114	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.57%	
65) Toluene-d8	14.871	98	661765	20.063	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.32%	
92) 4-Bromofluorobenzene	21.073	95	244832	20.560	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.80%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.695	85	6595M1	1.044	ug/L	
3) Chlorodifluoromethane	2.684	51	6943M1	1.258	ug/L	
4) Chloromethane	3.080	50	9010M1	1.519	ug/L	
5) Vinyl chloride	3.236	62	8286M1	1.066	ug/L	
6) Bromomethane	3.967	94	5098	1.177	ug/L	96
7) Chloroethane	4.106	64	3930	0.996	ug/L #	52
8) Trichlorofluoromethane	4.539	101	10323	1.026	ug/L #	56
9) Ethyl ether	5.094	74	3131M1	0.973	ug/L	
11) 1,1-Dichloroethene	5.674	96	6365M1	1.054	ug/L	
12) Carbon disulfide	6.580	76	39947	0.885	ug/L #	88
13) Freon-113	5.336	101	6040M1	1.035	ug/L	
14) Iodomethane	6.243	142	5001M1	0.920	ug/L	
15) Acrolein	5.372	56	496M1	0.945	ug/L	
16) Allyl chloride	6.376	76	3701M1	0.979	ug/L	
17) Methylene chloride	6.588	84	8481	1.169	ug/L	81
19) Acetone	5.504	43	5944M1	1.070	ug/L	
20) trans-1,2-Dichloroethene	7.149	96	7025	0.979	ug/L	85
21) Methyl acetate	6.337	43	2742M1	1.068	ug/L	
22) Hexane	7.258	57	7540	0.944	ug/L #	92
23) Methyl tert-butyl ether	6.901	73	15500M1	0.955	ug/L	
24) tert-Butyl alcohol	5.877	59	1563M1	3.204	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N04.D
 Acq On : 12 Oct 2020 11:21 pm
 Operator : VOA126:JC
 Sample : I8260STD1.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 11:33:03 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 11:30:26 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25) Diisopropyl ether	7.768	45	15315	0.971	ug/L	#	86
26) 1,1-Dichloroethane	7.983	63	11203	1.020	ug/L	#	56
27) Halothane	7.076	117	5474M1	0.980	ug/L		
28) Acrylonitrile	6.873	53	941M1	0.952	ug/L		
29) Ethyl tert-butyl ether	8.568	59	15715M1	0.949	ug/L		
30) Vinyl acetate	8.005	43	7499M1	0.919	ug/L		
31) cis-1,2-Dichloroethene	9.162	96	8427	1.045	ug/L	#	77
32) 2,2-Dichloropropane	9.062	77	8958M1	0.914	ug/L		
33) Bromochloromethane	9.798	128	3599	1.011	ug/L	#	74
34) Cyclohexane	10.261	56	8649M1	0.999	ug/L		
35) Chloroform	9.472	83	13412	1.033	ug/L	#	94
36) Ethyl acetate	9.171	43	3106	0.875	ug/L	#	79
37) Carbon tetrachloride	10.752	117	9305	0.912	ug/L	#	83
38) Tetrahydrofuran	9.901	42	1830M1	1.103	ug/L		
40) 1,1,1-Trichloroethane	10.255	97	11151	0.991	ug/L	#	81
42) 2-Butanone	8.839	43	2298M1	1.307	ug/L		
43) 1,1-Dichloropropene	10.568	75	9115	0.985	ug/L	#	77
44) Heptane	10.880	71	6388	0.980	ug/L	#	66
45) Benzene	11.103	78	28843	1.026	ug/L	#	89
46) tert-Amyl methyl ether	10.822	73	15468M1	0.922	ug/L		
48) 1,2-Dichloroethane	11.092	62	8928	1.078	ug/L		94
51) Methyl cyclohexane	12.450	83	10640	0.989	ug/L		85
52) Trichloroethene	12.341	95	7771	1.011	ug/L		99
54) Dibromomethane	13.320	93	4087	0.993	ug/L	#	56
55) 1,2-Dichloropropane	12.721	63	6278	0.975	ug/L		94
57) 2-Chloroethyl vinyl ether	13.884	63	2724	0.970	ug/L	#	62
58) Bromodichloromethane	13.203	83	8959	0.919	ug/L	#	95
60) Methyl methacrylate	12.868	69	3378	0.893	ug/L	#	74
61) 1,4-Dioxane	13.303	88	1736M1	28.348	ug/L		
62) cis-1,3-Dichloropropene	14.369	75	9926	0.923	ug/L	#	89
64) Octane	14.581	85	6770M1	0.947	ug/L		
66) Toluene	15.041	92	19137	1.017	ug/L		95
67) 4-Methyl-2-pentanone	13.939	58	1429	0.828	ug/L	#	28
68) Tetrachloroethene	16.469	166	9311	1.033	ug/L		99
69) 2-Nitropropane	13.368	41	702	0.681	ug/L	#	44
71) trans-1,3-Dichloropropene	15.470	75	8035	0.853	ug/L		85
72) Methyl isothiocyanate	15.353	73	2879M1	0.825	ug/L		
74) Ethyl methacrylate	15.462	69	6200M1	0.851	ug/L		
75) 1,1,2-Trichloroethane	15.797	83	4601M1	0.949	ug/L		
76) Chlorodibromomethane	16.929	129	6198	0.874	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N04.D
 Acq On : 12 Oct 2020 11:21 pm
 Operator : VOA126:JC
 Sample : I8260STD1.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 11:33:03 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 11:30:26 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	1,3-Dichloropropane	16.360	76	9487	0.982	ug/L	99
78)	1,2-Dibromoethane	17.389	107	5443	0.952	ug/L	98
79)	n-Butyl Acetate	16.382	43	6017	0.860	ug/L #	77
80)	2-Hexanone	15.836	43	2749	0.966	ug/L #	80
81)	Nonane	18.011	57	9357	0.899	ug/L #	87
82)	Chlorobenzene	18.315	112	22368	1.029	ug/L	96
83)	Ethylbenzene	18.449	91	35566	0.984	ug/L	97
84)	1,1,1,2-Tetrachloroethane	18.421	131	7132	0.937	ug/L #	61
85)	p/m Xylene	18.624	106	28186	1.956	ug/L	89
86)	o Xylene	19.637	106	25731	1.917	ug/L	88
87)	Styrene	19.723	104	40340	1.830	ug/L	94
89)	Bromoform	20.495	173	3703	0.841	ug/L	91
91)	Isopropylbenzene	20.479	105	35510	0.999	ug/L	97
93)	Bromobenzene	21.508	156	8982	1.000	ug/L	99
94)	Decane	21.181	57	11215	0.954	ug/L #	87
95)	n-Propylbenzene	21.432	91	43329	1.036	ug/L	97
96)	1,4-Dichlorobutane	20.730	55	7065M1	0.989	ug/L	
97)	1,1,2,2-Tetrachloroethane	20.911	83	6514M1	0.963	ug/L	
98)	4-Ethyltoluene	21.706	105	34932	1.012	ug/L	98
99)	2-Chlorotoluene	21.840	91	28426	1.007	ug/L	99
100)	1,3,5-Trimethylbenzene	21.806	105	29603	0.975	ug/L	99
101)	1,2,3-Trichloropropane	21.251	75	5144	1.036	ug/L #	47
102)	trans-1,4-Dichloro-2-b...	21.441	53	1272M1	0.804	ug/L	
103)	4-Chlorotoluene	21.954	91	26141	1.028	ug/L	99
104)	tert-Butylbenzene	22.654	119	25742	0.991	ug/L	99
107)	1,2,4-Trimethylbenzene	22.749	105	29459	0.996	ug/L	97
108)	Limonene	23.318	68	8020	0.851	ug/L #	92
109)	sec-Butylbenzene	23.167	105	37900	0.985	ug/L	100
110)	p-Isopropyltoluene	23.507	119	32976	0.985	ug/L	98
111)	1,3-Dichlorobenzene	23.708	146	18113	1.014	ug/L	99
112)	1,4-Dichlorobenzene	23.970	146	18047	1.022	ug/L	98
113)	trans-Decahydronaphtha...	24.447	138	8610	0.924	ug/L	92
114)	Undecane	24.084	57	10971M1	1.037	ug/L	
115)	p-Diethylbenzene	24.506	119	20004	0.975	ug/L	99
116)	n-Butylbenzene	24.480	91	37089	0.998	ug/L	96
117)	Hexachloroethane	25.599	117	5033M1	0.799	ug/L	
118)	1,2-Dichlorobenzene	24.823	146	16291	1.001	ug/L	100
119)	cis-Decahydronaphthalene	25.894	138	6773	0.947	ug/L	89
120)	1,2,4,5-Tetramethylben...	26.201	119	27590	0.936	ug/L	96
121)	1,2-Dibromo-3-chloropr...	26.550	155	955	0.832	ug/L #	55

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N04.D
 Acq On : 12 Oct 2020 11:21 pm
 Operator : VOA126:JC
 Sample : I8260STD1.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 11:33:03 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 11:30:26 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.013	180	12593	1.024	ug/L	99
123)	Nitrobenzene	26.734	77	125	1.328	ug/L #	60
124)	Hexachlorobutadiene	28.466	225	5855	0.945	ug/L	98
125)	1,2,4-Trichlorobenzene	28.212	180	11420	1.022	ug/L	98
126)	Naphthalene	28.669	128	20368	0.950	ug/L	100
127)	1,2,3-Trichlorobenzene	29.101	180	10057	1.001	ug/L	99

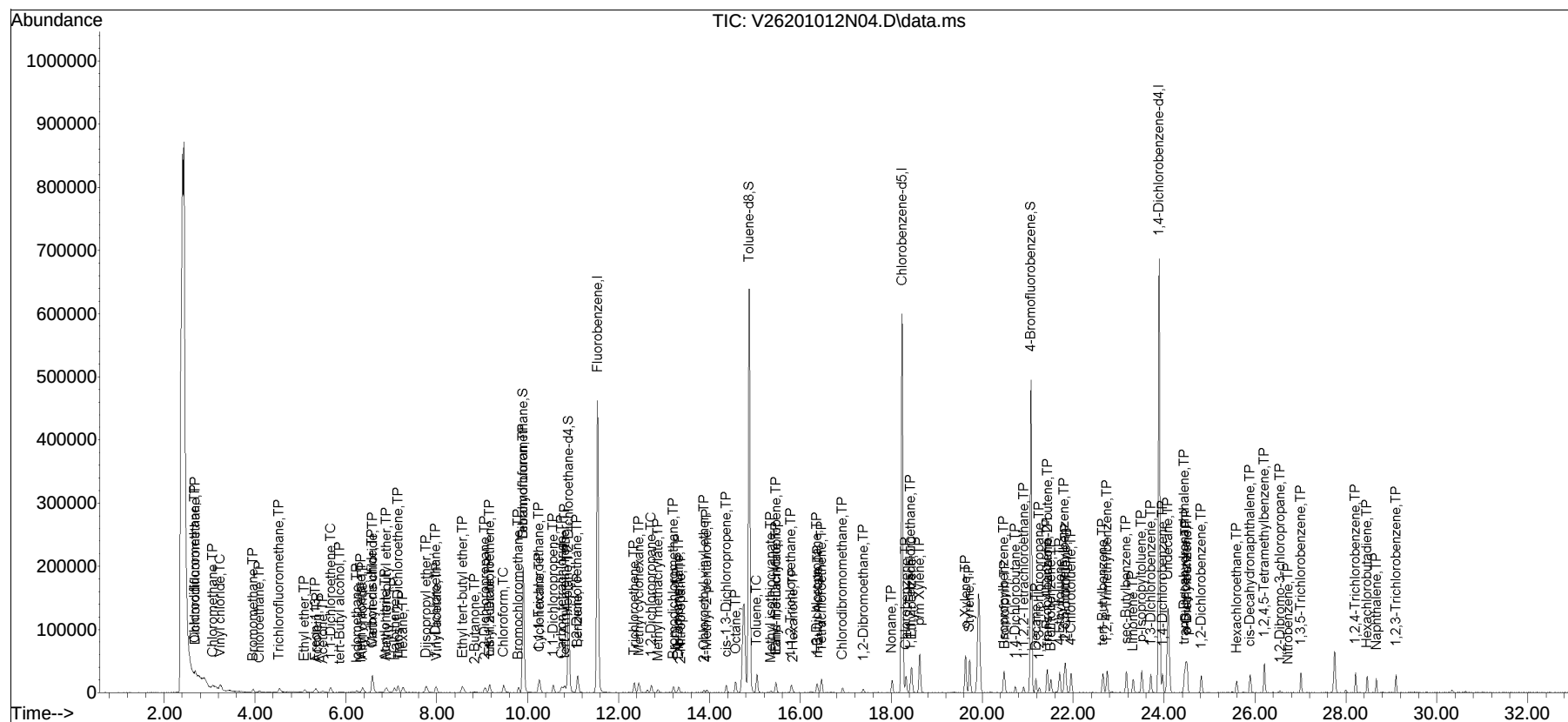
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
Data File : V26201012N04.D
Acq On : 12 Oct 2020 11:21 pm
Operator : VOA126:JC
Sample : I8260STD1.0PPB
Misc : WG1421526,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 11:33:03 2020
Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 11:30:26 2020
Response via : Initial Calibration

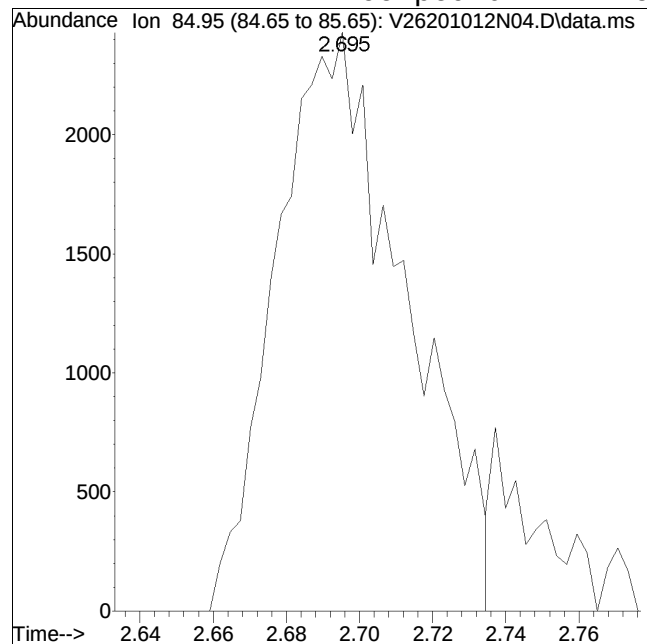
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01012N08.D•



Manual Integration Report

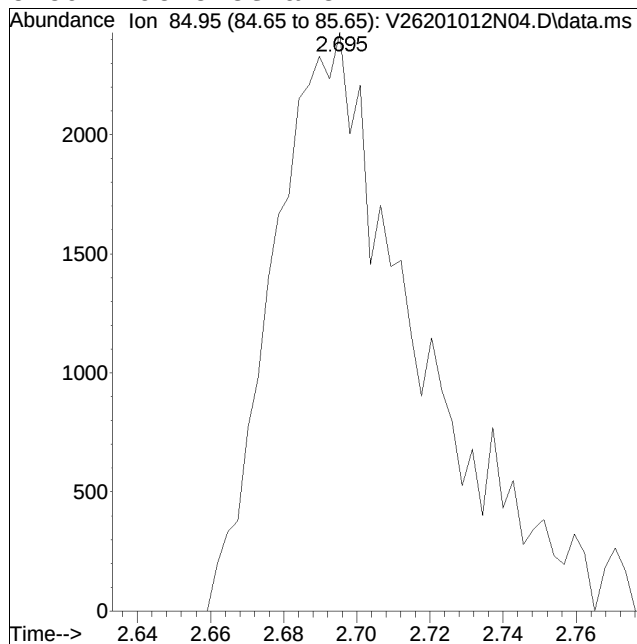
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Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 5967

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

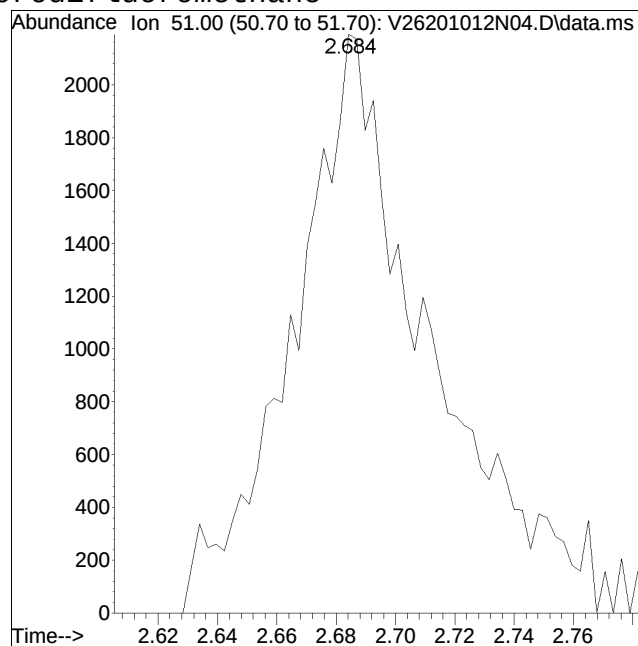
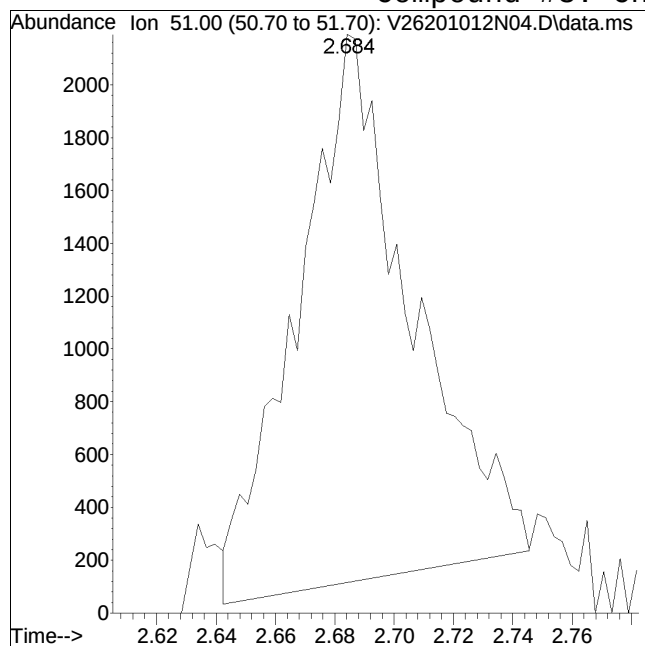


Manual Peak Response = 6595 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #3: Chlorodifluoromethane



Original Peak Response = 5565

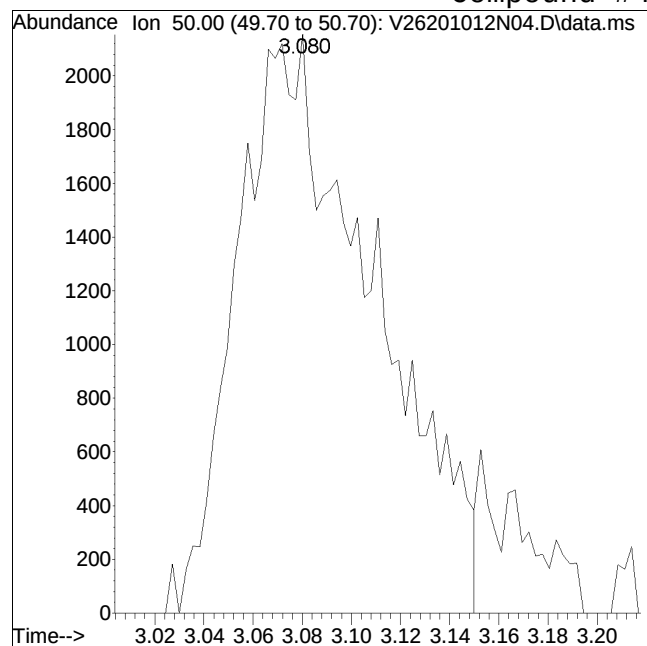
Manual Peak Response = 6943 M1

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

Manual Integration Report

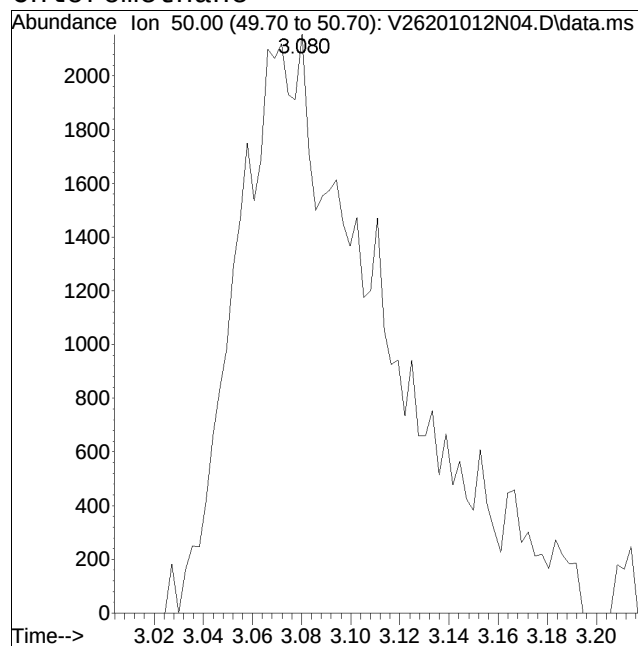
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #4: Chloromethane



Original Peak Response = 8291

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

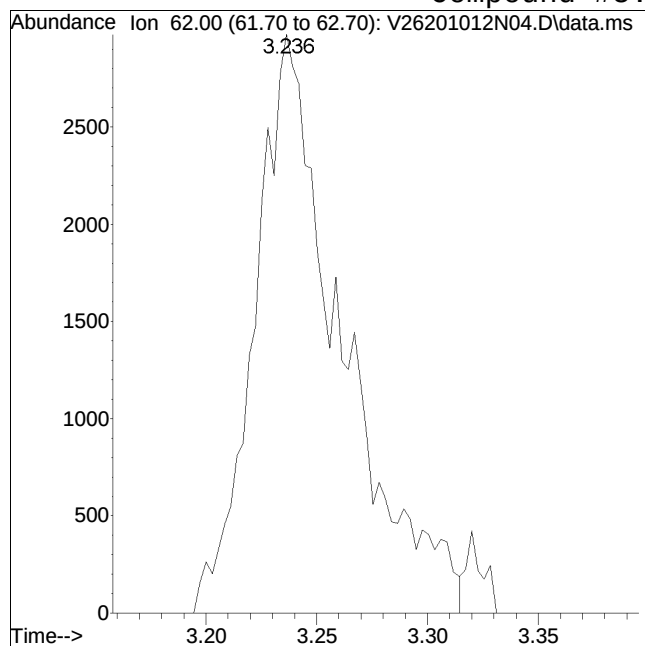


Manual Peak Response = 9010 M1

Manual Integration Report

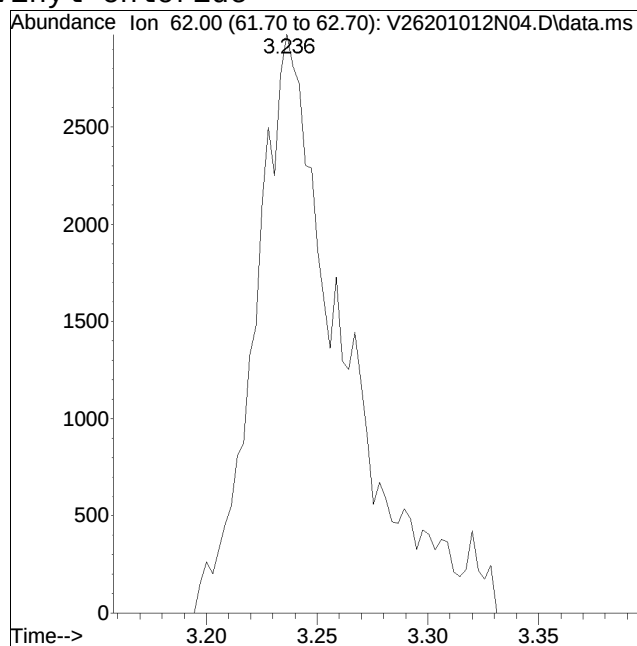
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #5: Vinyl chloride



Original Peak Response = 8071

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

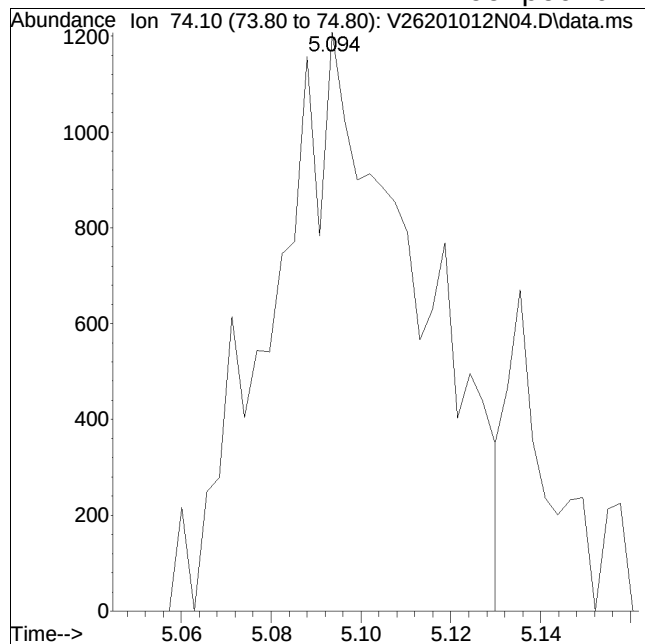


Manual Peak Response = 8286 M1

Manual Integration Report

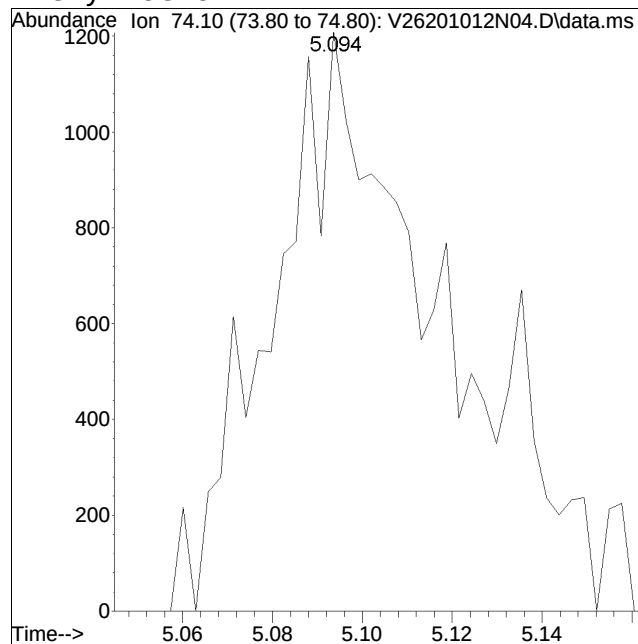
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #9: Ethyl ether



Original Peak Response = 2766

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

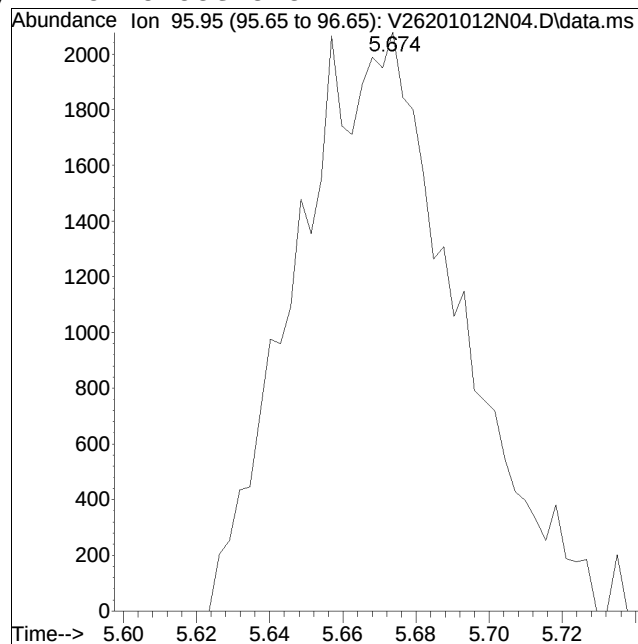
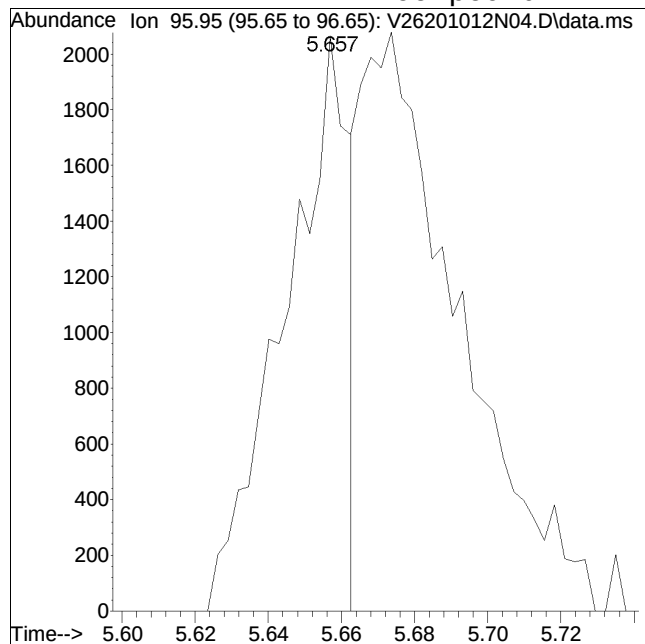


Manual Peak Response = 3131 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #11: 1,1-Dichloroethene



Original Peak Response = 2507

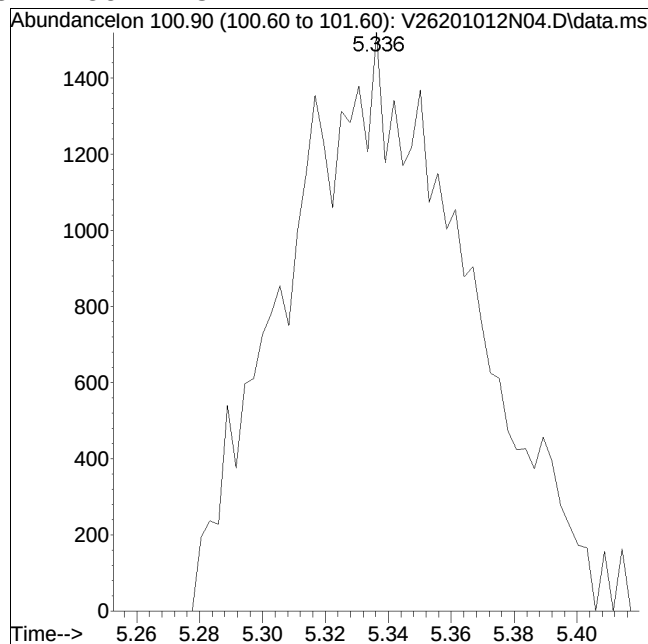
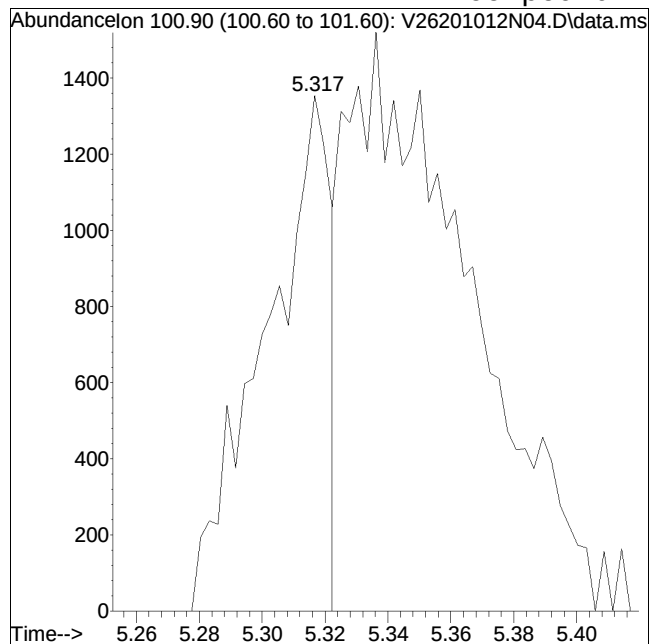
Manual Peak Response = 6365 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #13: Freon-113

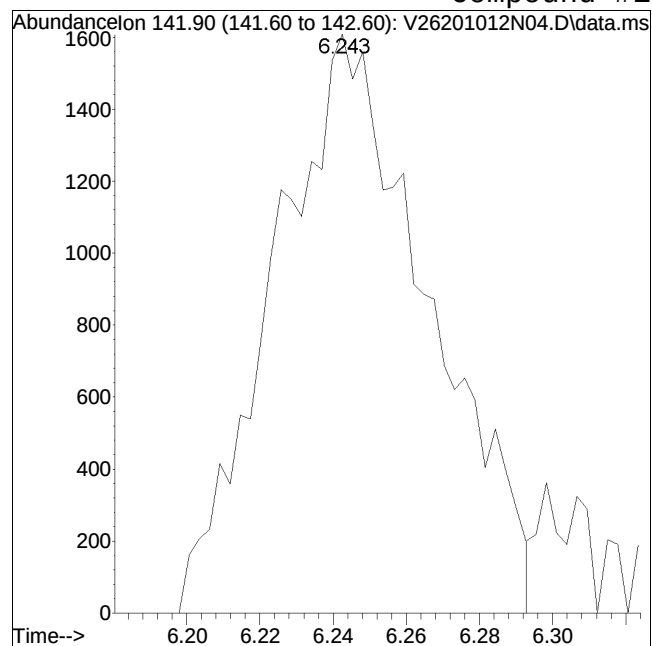


M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

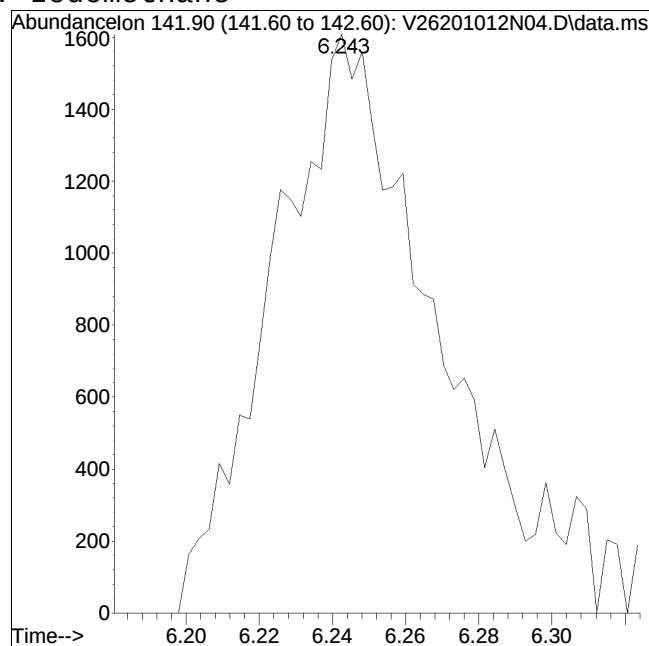
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #14: Iodomethane



Original Peak Response = 4732

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

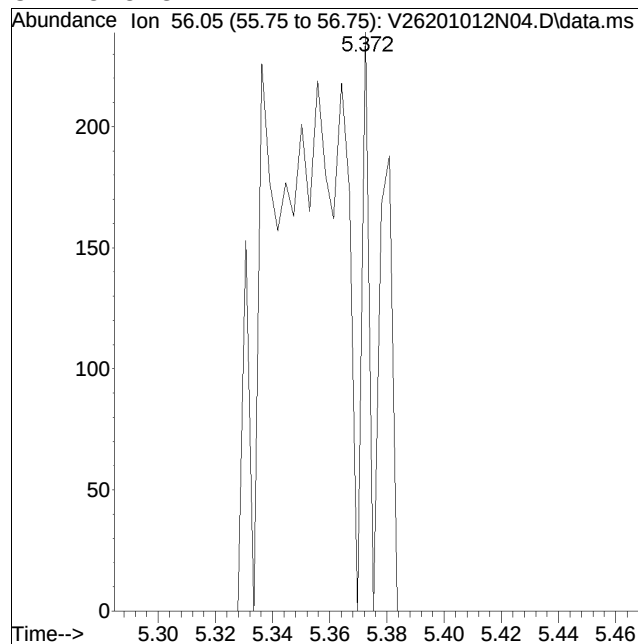
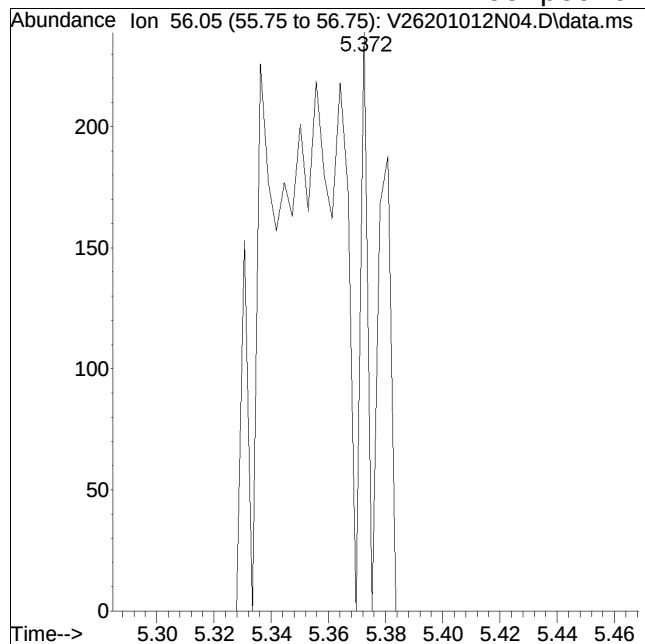


Manual Peak Response = 5001 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #15: Acrolein



Original Peak Response = 40

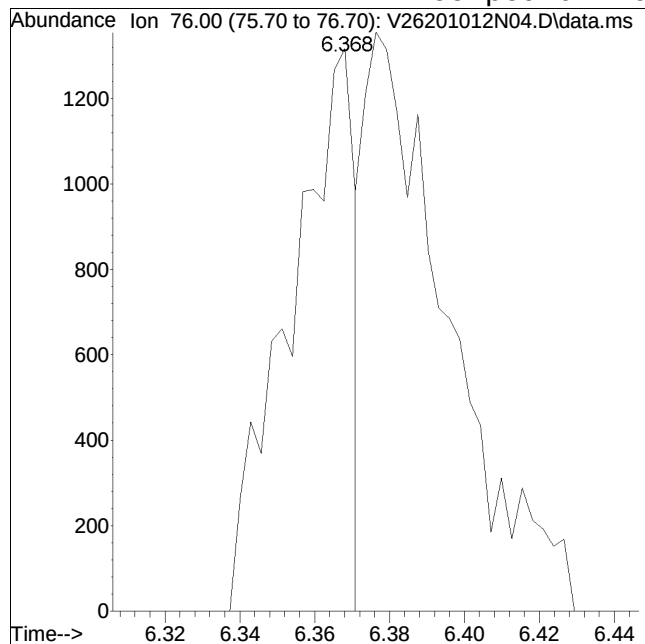
Manual Peak Response = 496 M1

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

Manual Integration Report

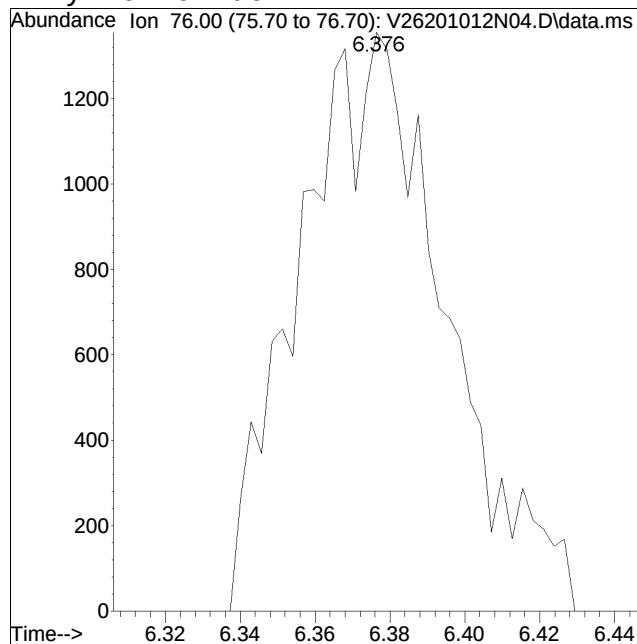
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #16: Allyl chloride



Original Peak Response = 1583

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

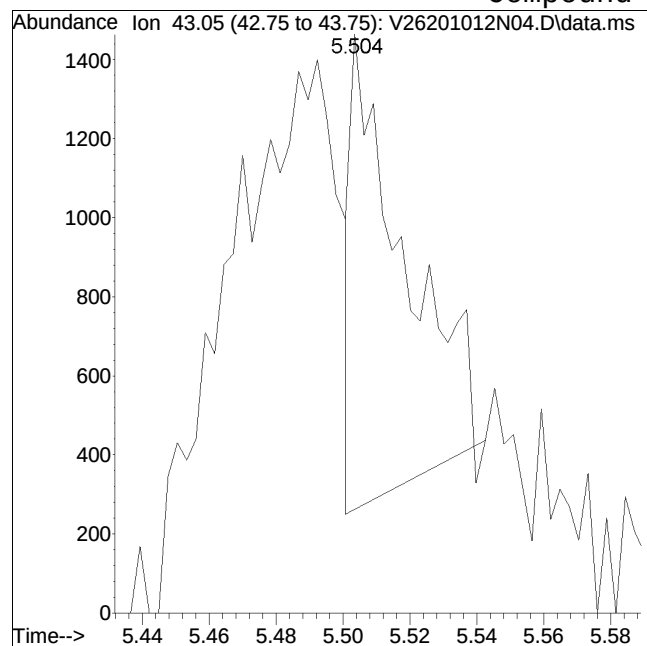


Manual Peak Response = 3701 M1

Manual Integration Report

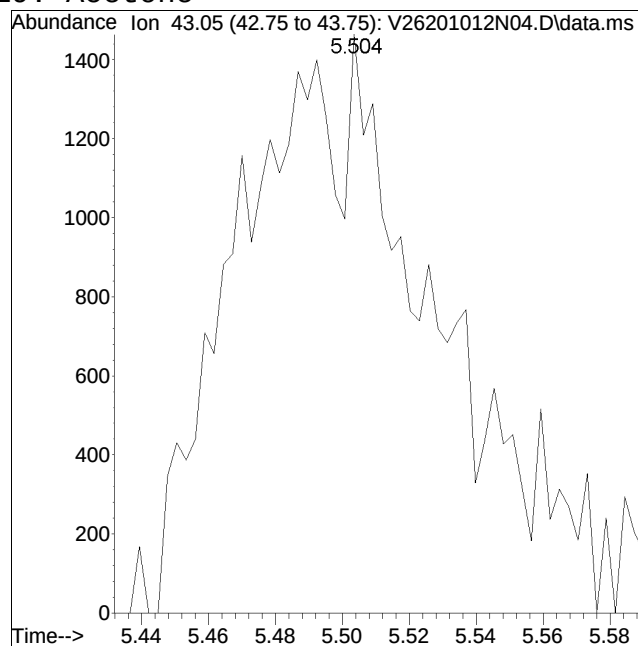
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #19: Acetone



Original Peak Response = 1295

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

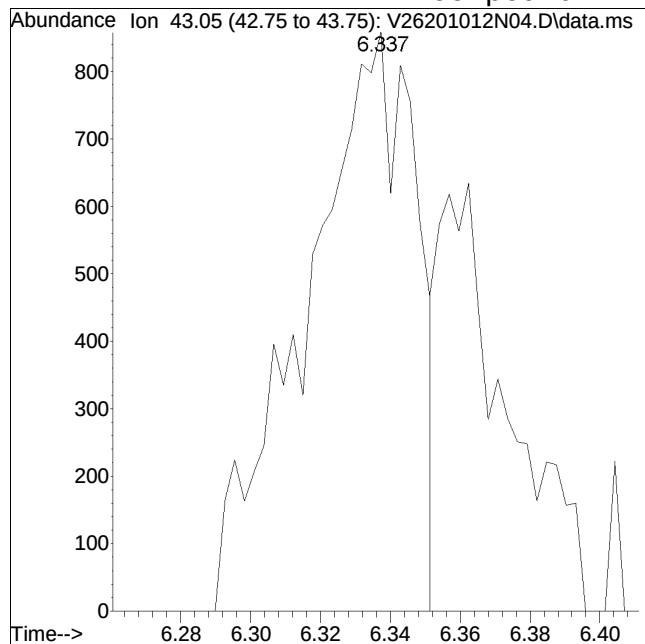


Manual Peak Response = 5944 M1

Manual Integration Report

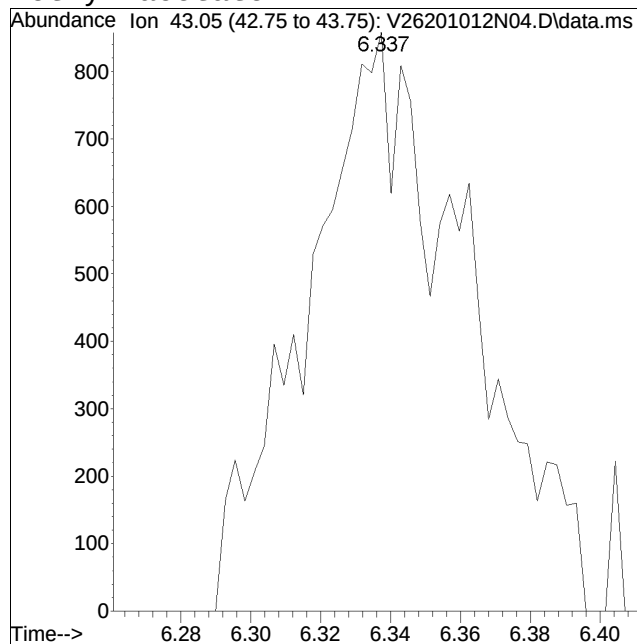
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #21: Methyl acetate



Original Peak Response = 1878

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

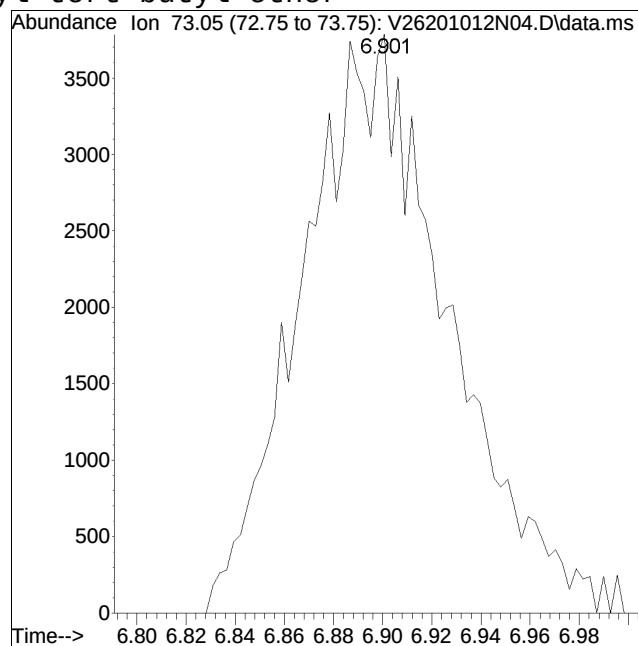
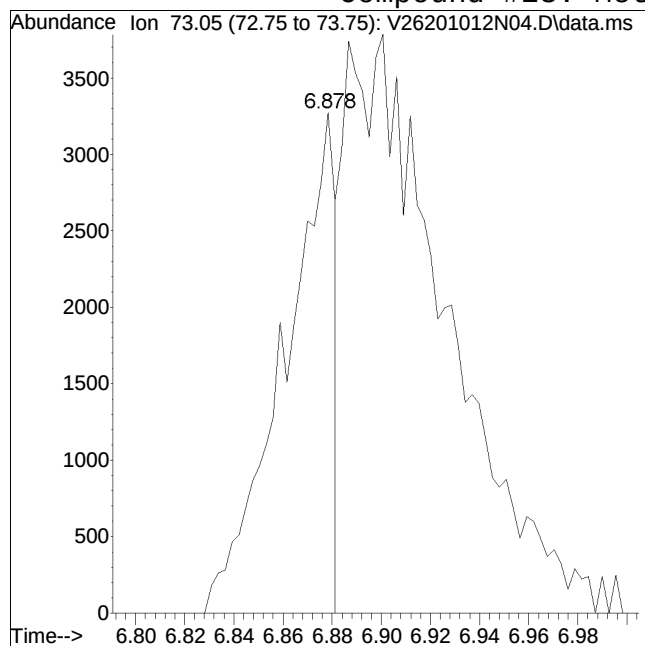


Manual Peak Response = 2742 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #23: Methyl tert-butyl ether



Original Peak Response = 4682

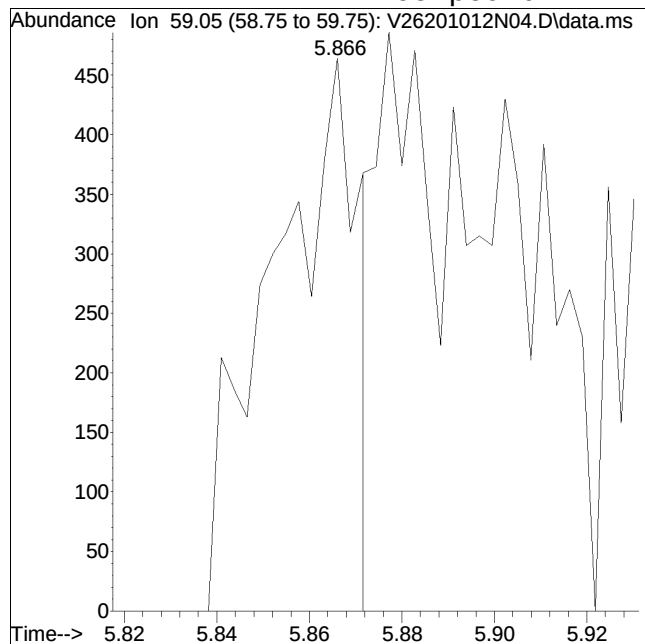
Manual Peak Response = 15500 M1

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

Manual Integration Report

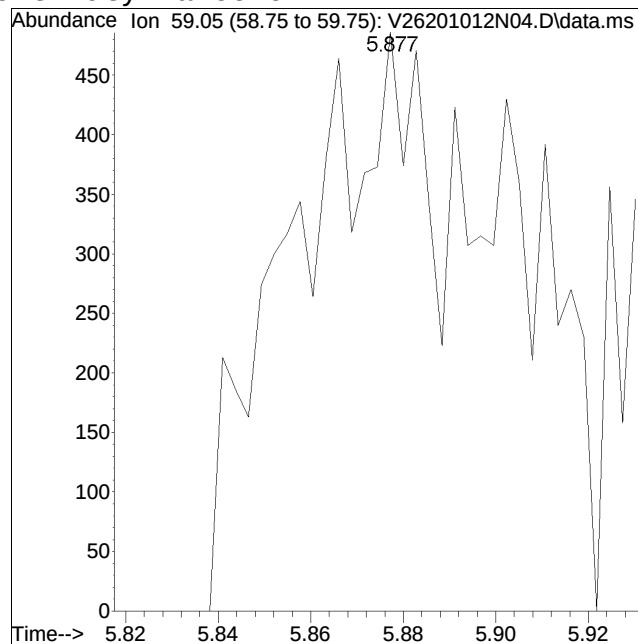
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 601

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

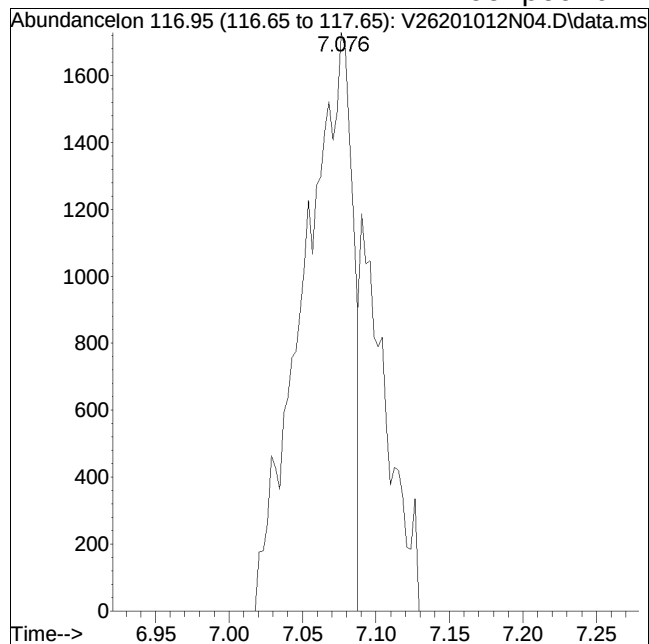


Manual Peak Response = 1563 M1

Manual Integration Report

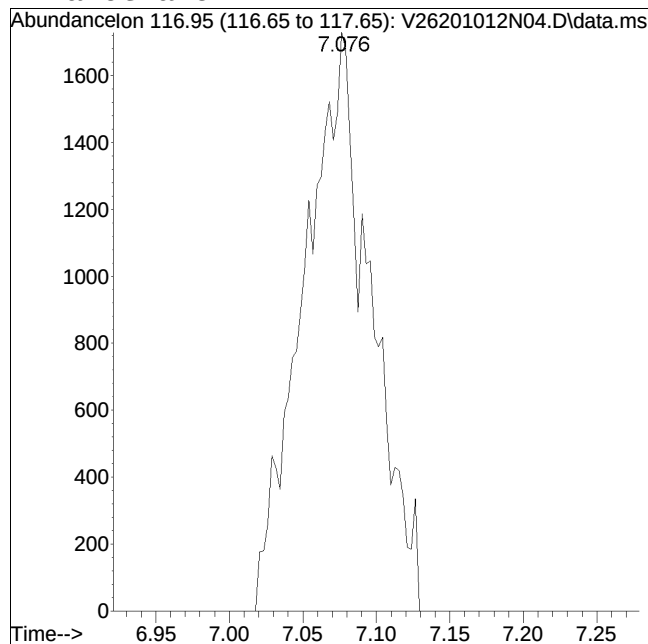
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #27: Halothane



Original Peak Response = 4046

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

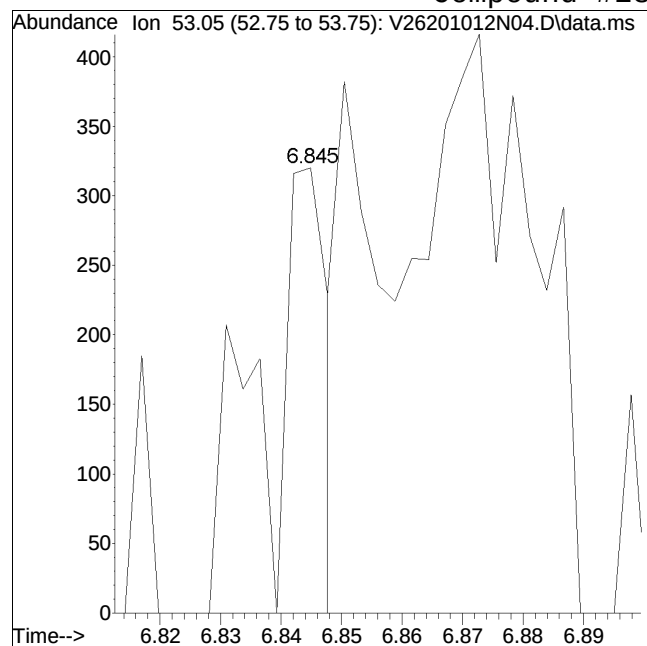


Manual Peak Response = 5474 M1

Manual Integration Report

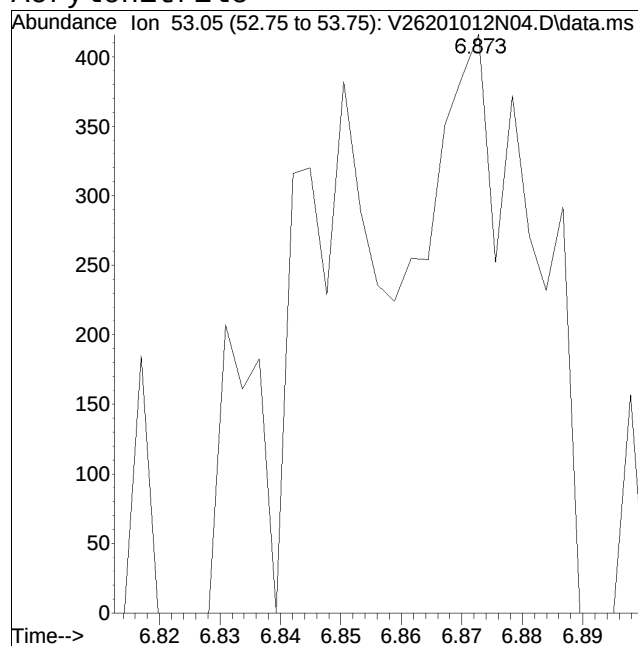
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #28: Acrylonitrile



Original Peak Response = 145

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

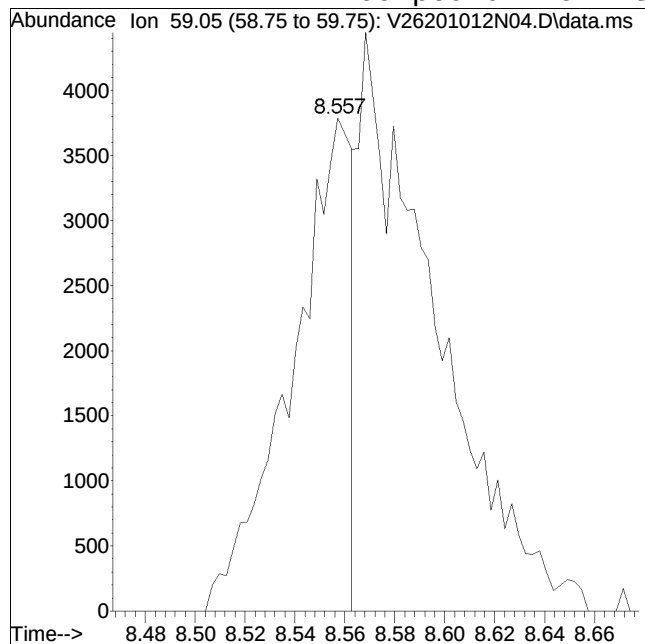


Manual Peak Response = 941 M1

Manual Integration Report

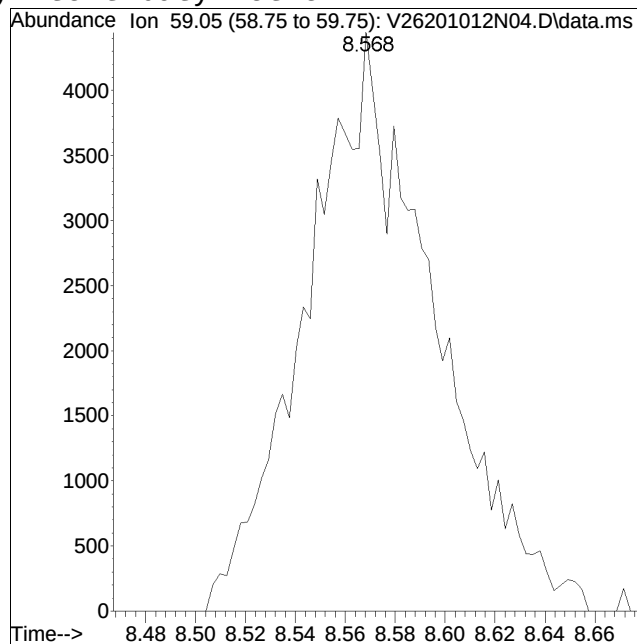
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #29: Ethyl tert-butyl ether



Original Peak Response = 6307

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

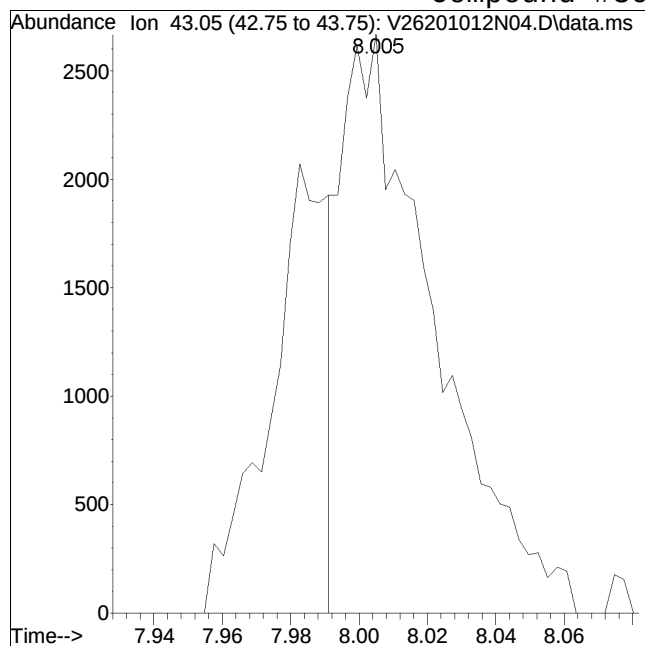


Manual Peak Response = 15715 M1

Manual Integration Report

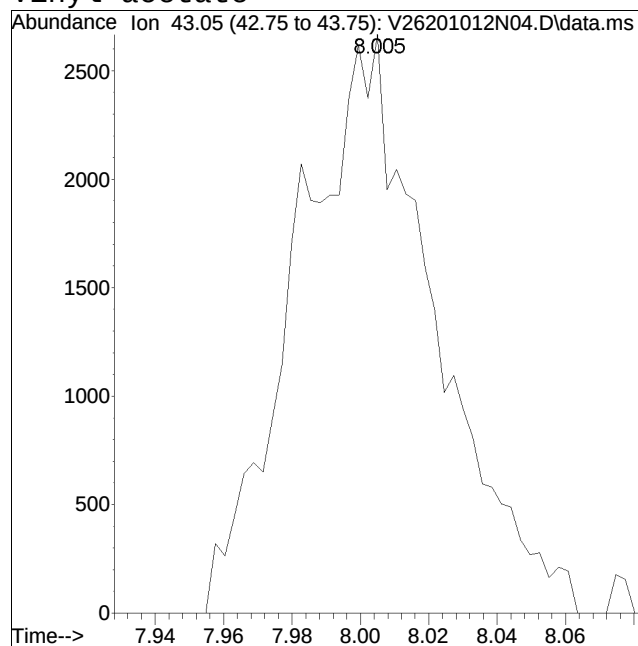
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #30: Vinyl acetate



Original Peak Response = 5063

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

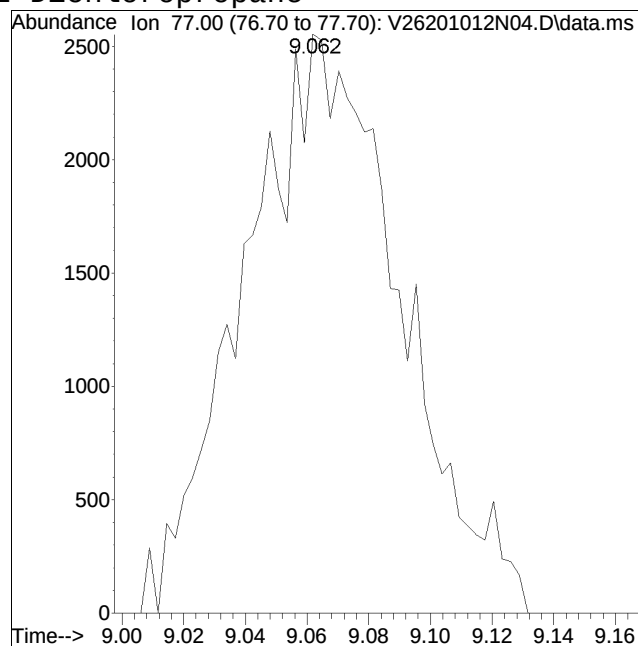
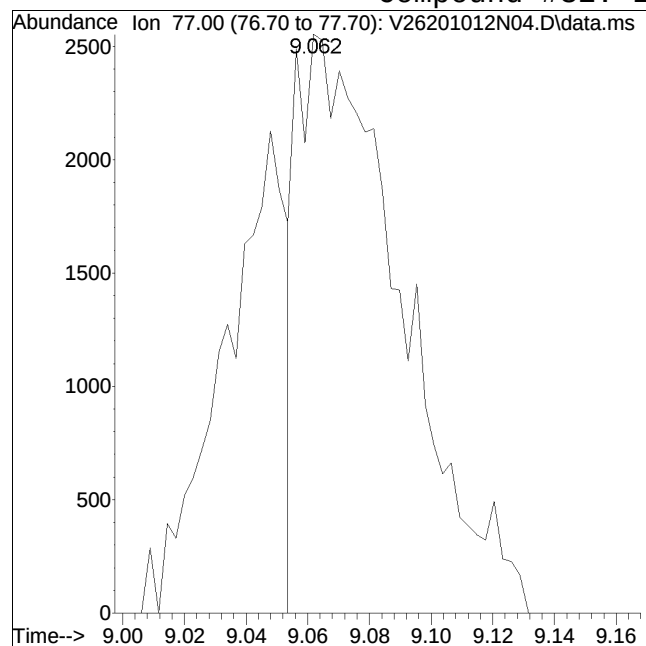


Manual Peak Response = 7499 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20 Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #32: 2,2-Dichloropropane



Original Peak Response = 5985

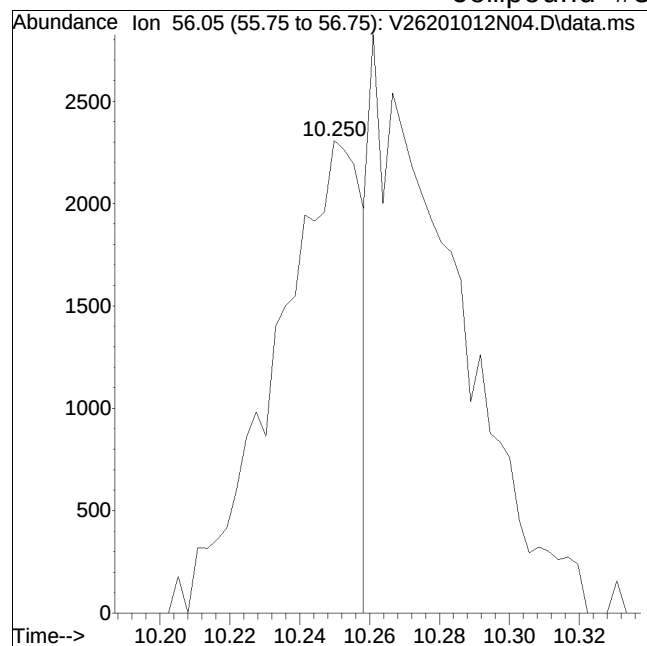
Manual Peak Response = 8958 M1

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

Manual Integration Report

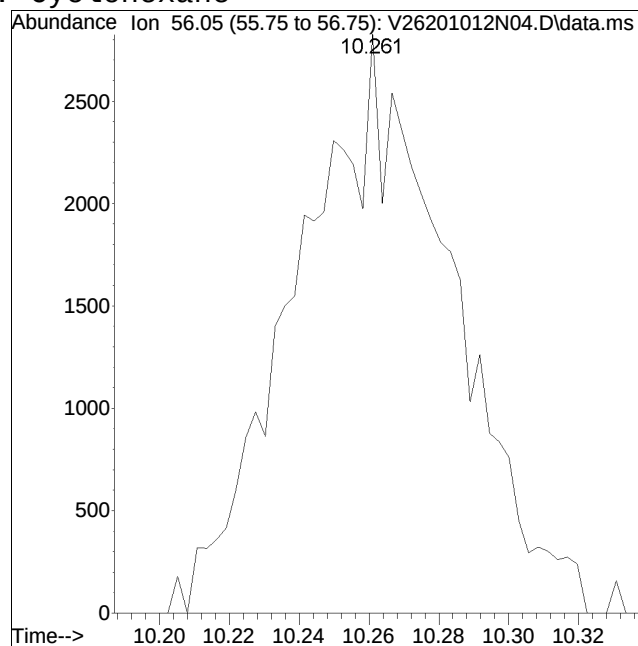
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #34: Cyclohexane



Original Peak Response = 3998

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

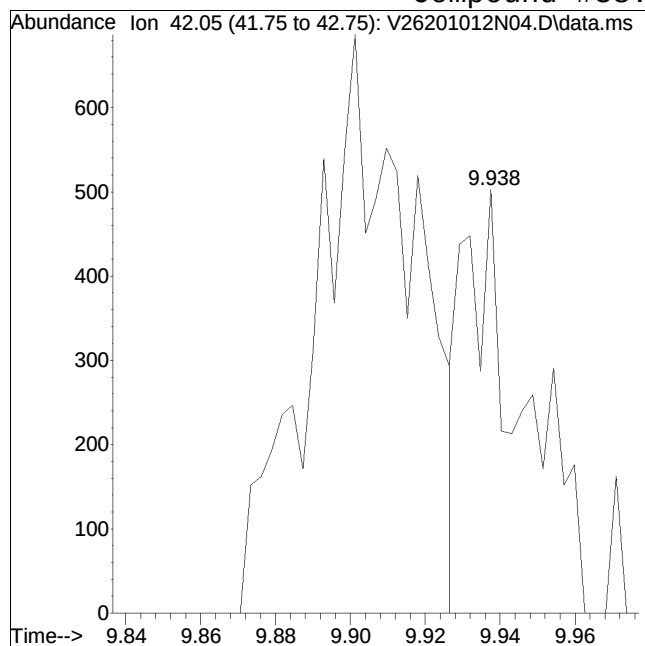


Manual Peak Response = 8649 M1

Manual Integration Report

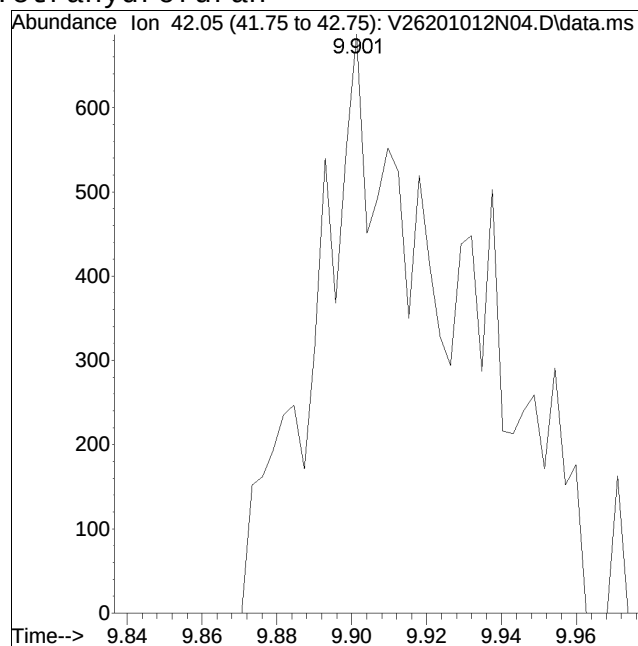
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #38: Tetrahydrofuran



Original Peak Response = 568

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

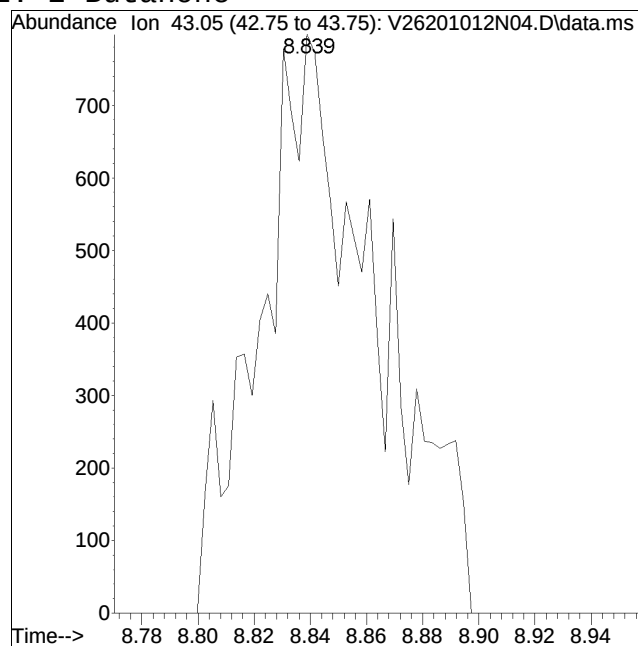
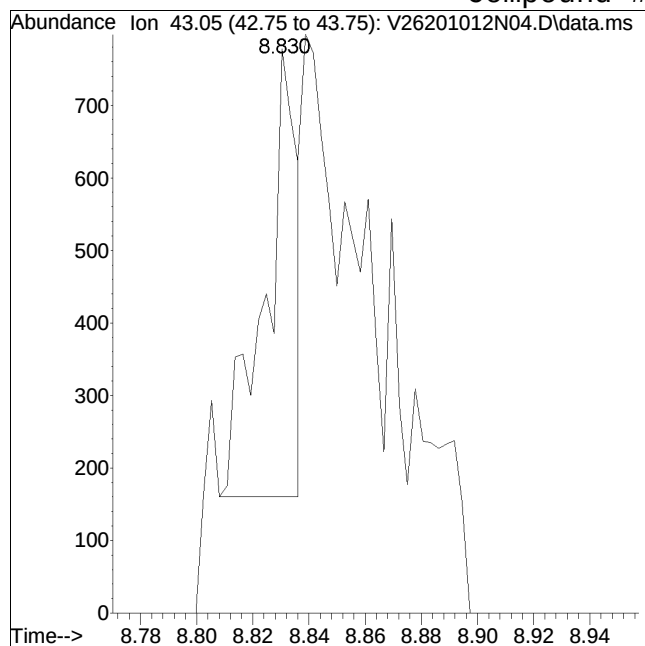


Manual Peak Response = 1830 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #42: 2-Butanone



Original Peak Response = 486

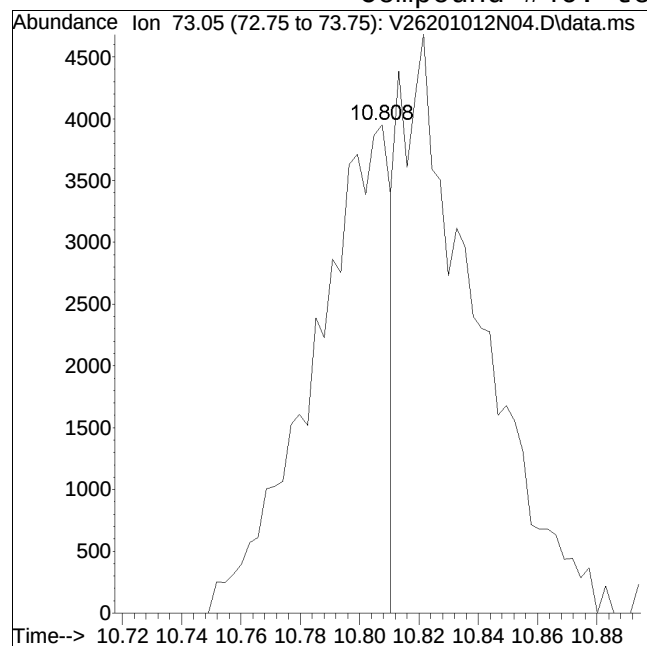
Manual Peak Response = 2298 M1

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

Manual Integration Report

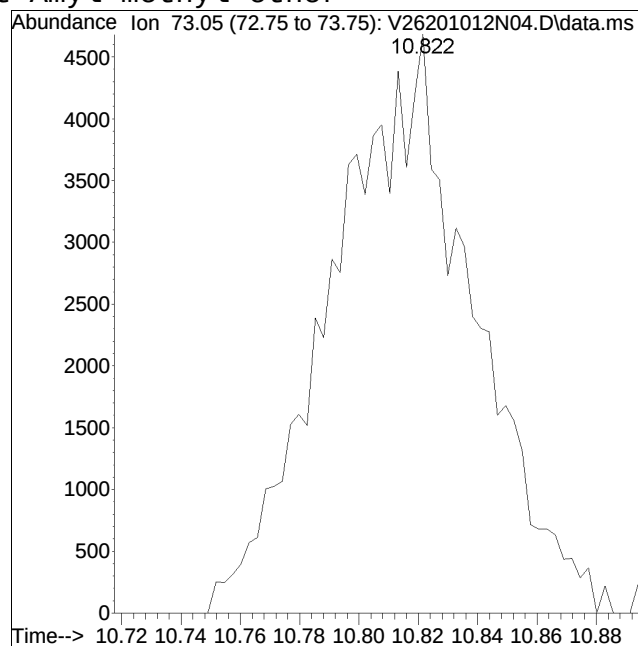
Data Path : I:\VOLATILES\VOA126\2020\20 Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #46: tert-Amyl methyl ether



Original Peak Response = 7079

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

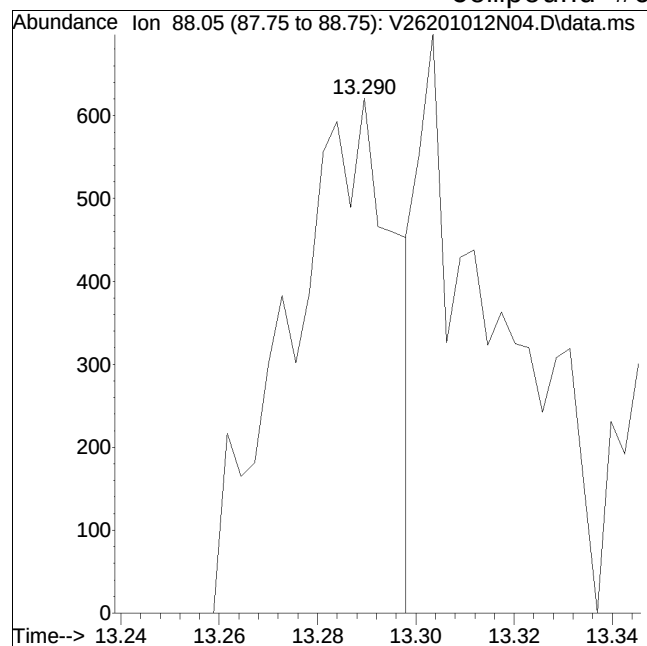


Manual Peak Response = 15468 M1

Manual Integration Report

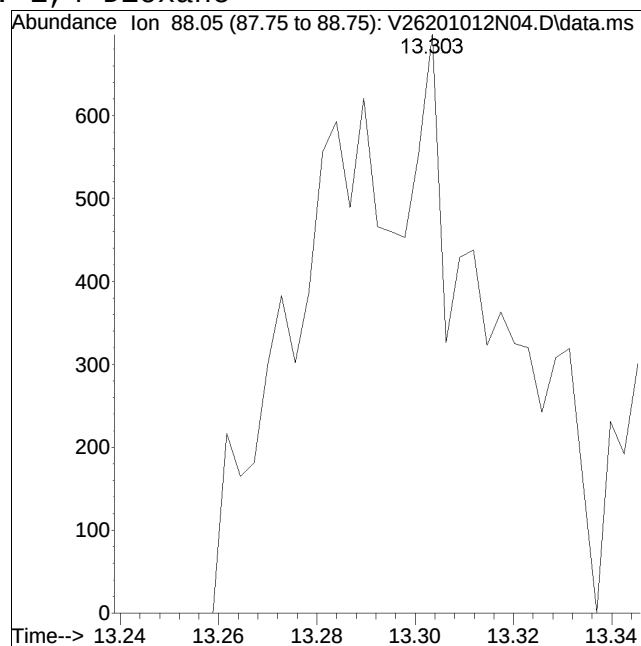
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #61: 1,4-Dioxane



Original Peak Response = 933

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

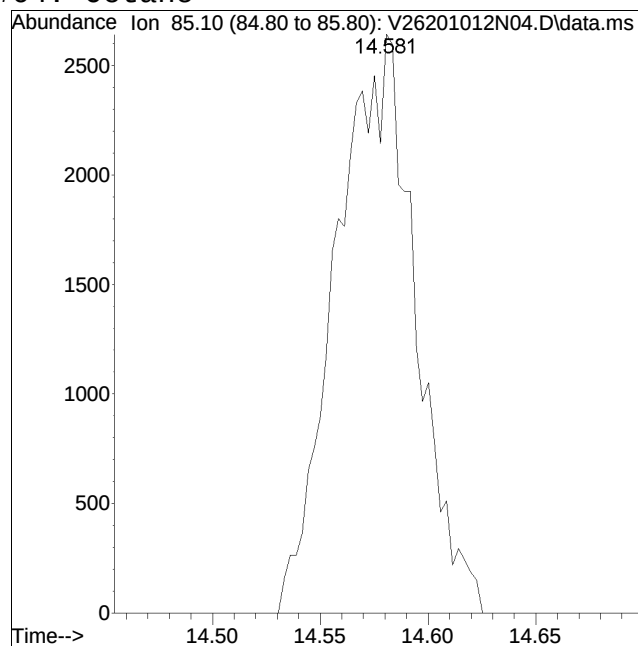
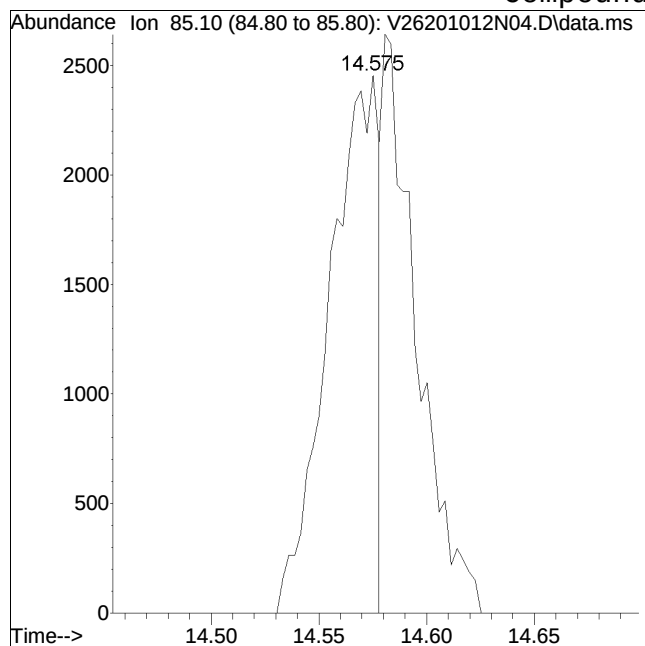


Manual Peak Response = 1736 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #64: Octane



Original Peak Response = 3906

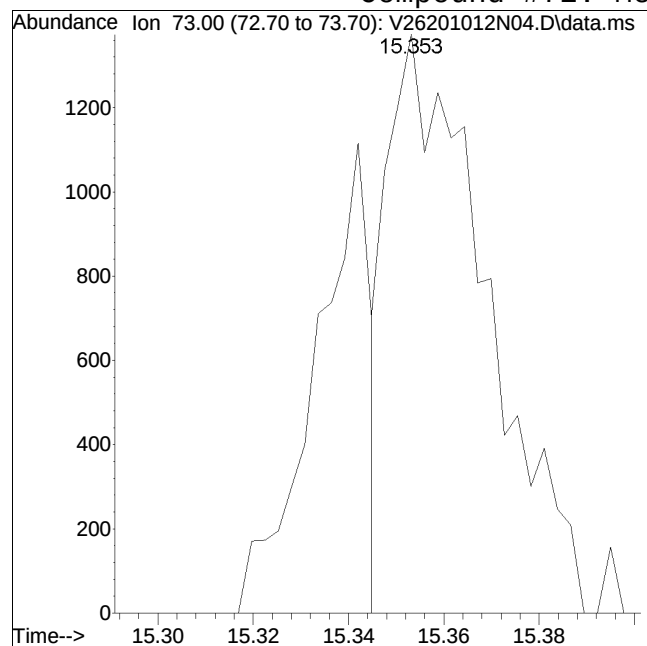
Manual Peak Response = 6770 M1

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

Manual Integration Report

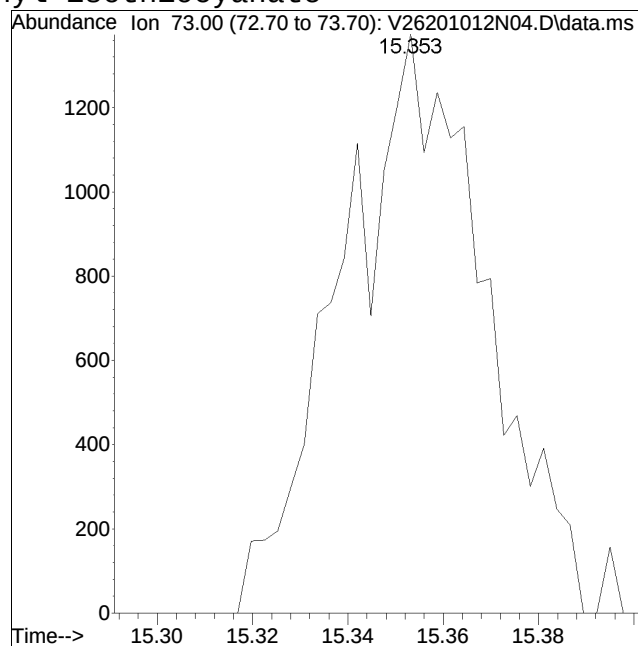
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #72: Methyl isothiocyanate



Original Peak Response = 1984

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

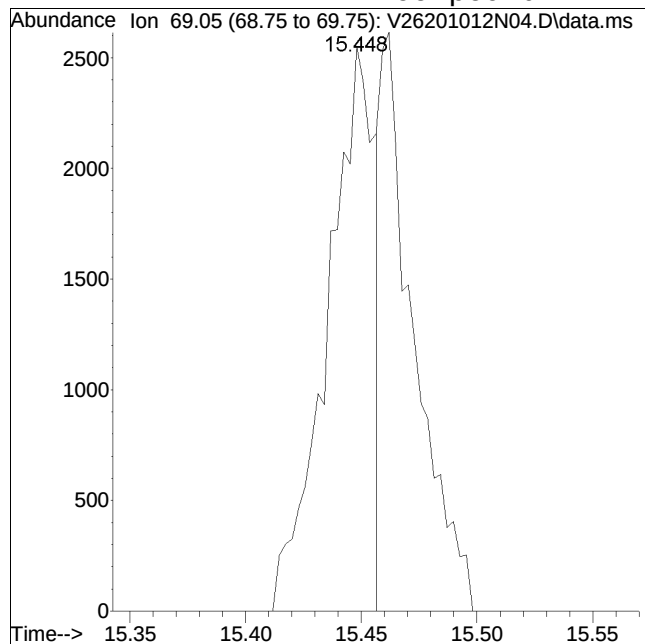


Manual Peak Response = 2879 M1

Manual Integration Report

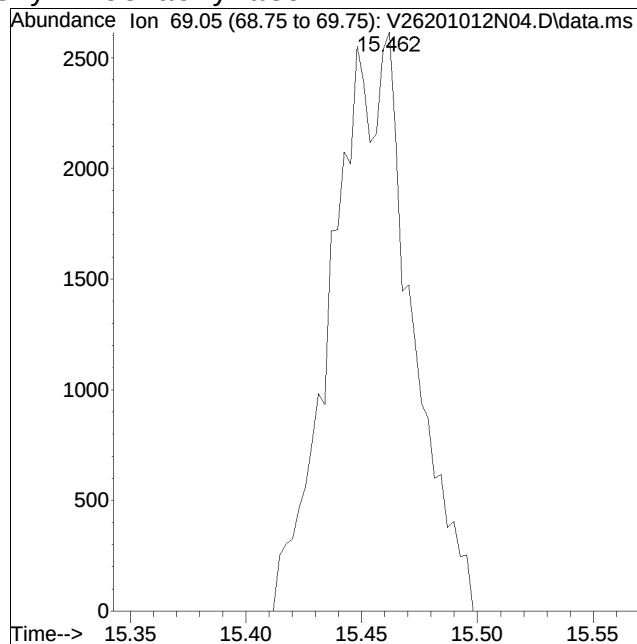
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #74: Ethyl methacrylate



Original Peak Response = 3570

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

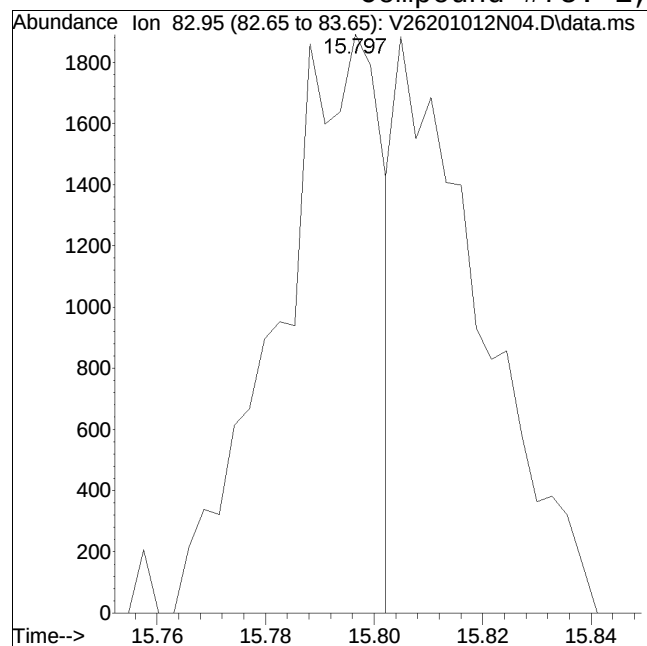


Manual Peak Response = 6200 M1

Manual Integration Report

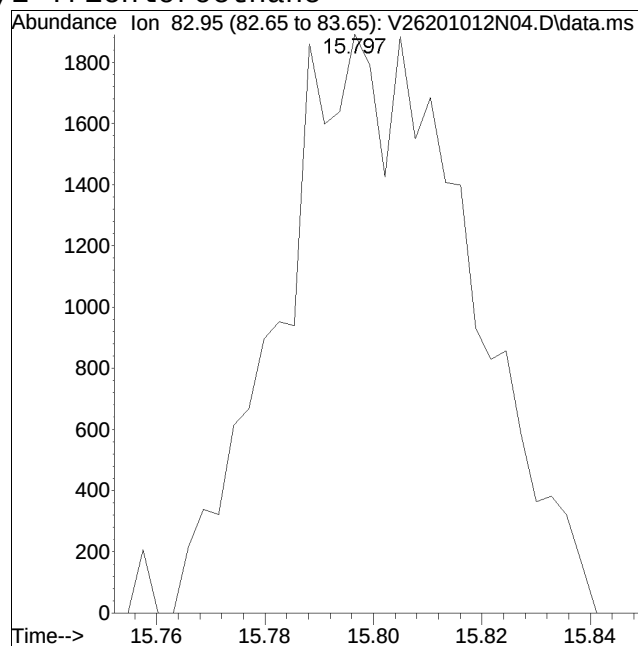
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #75: 1,1,2-Trichloroethane



Original Peak Response = 2534

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

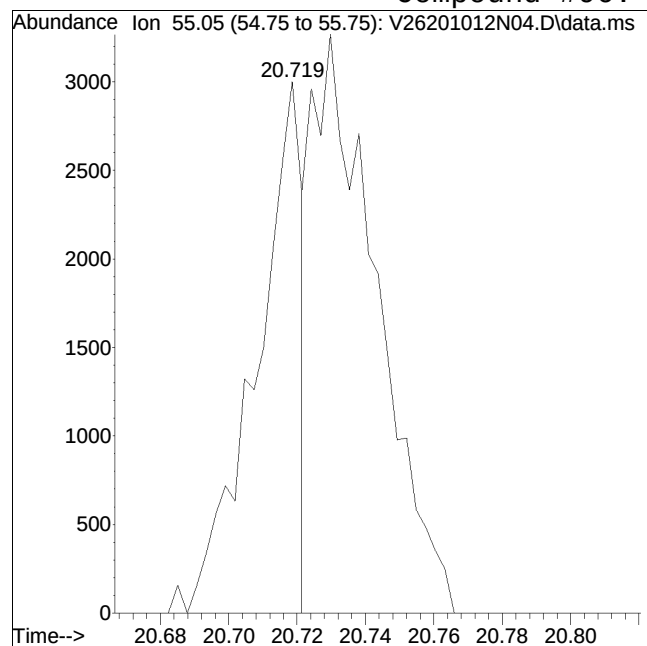


Manual Peak Response = 4601 M1

Manual Integration Report

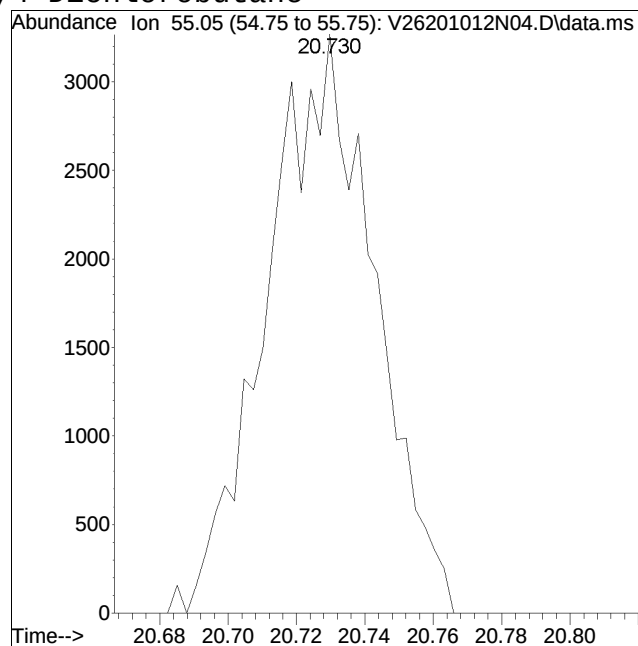
Data Path : I:\VOLATILES\VOA126\2020\20 Method : V126_201012N_8260Suff.m
 Data File : V26201012N04.D Operator : VOA126:JC
 Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
 Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #96: 1,4-Dichlorobutane



Original Peak Response = 2783

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

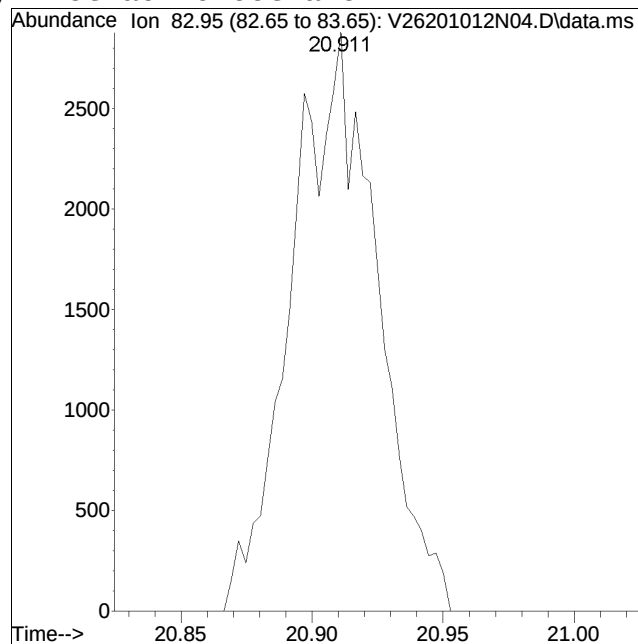
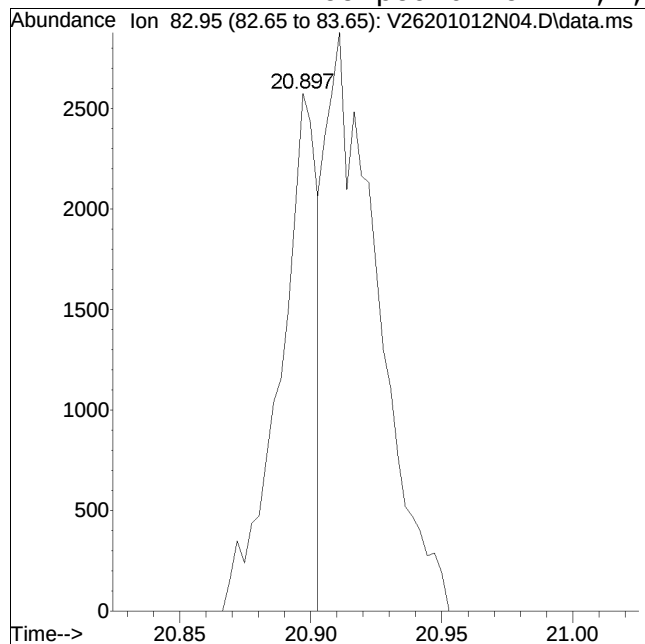


Manual Peak Response = 7065 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #97: 1,1,2,2-Tetrachloroethane



Original Peak Response = 2542

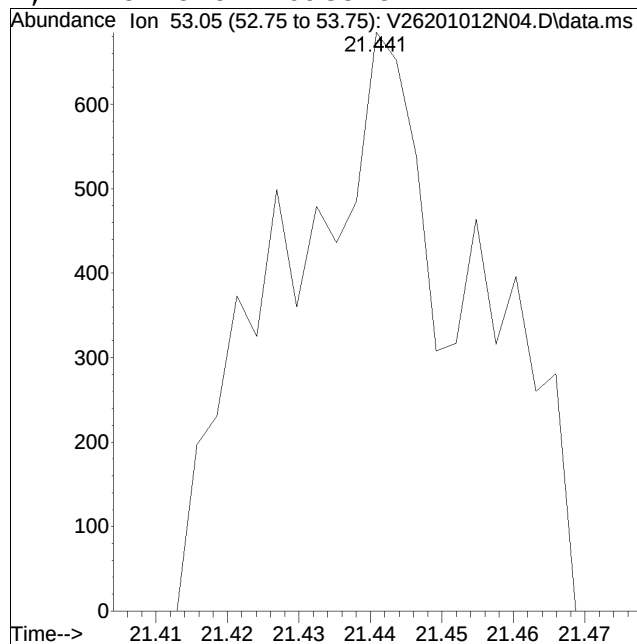
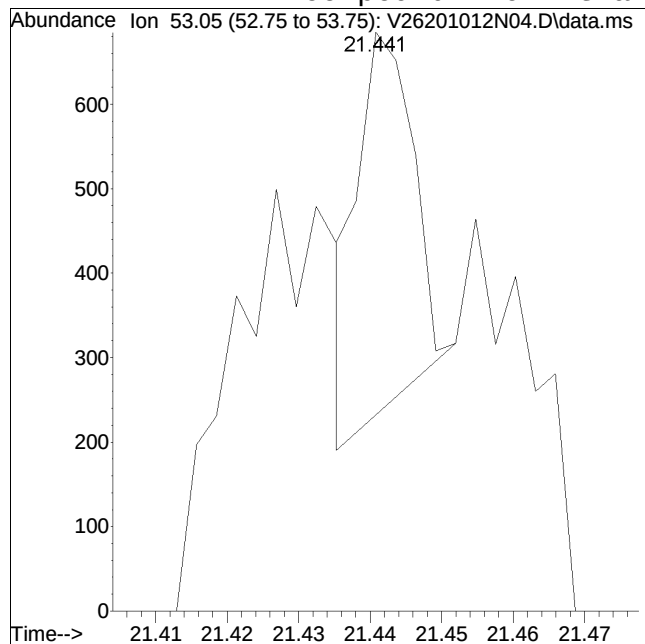
Manual Peak Response = 6514 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #102: trans-1,4-Dichloro-2-butene



Original Peak Response = 245

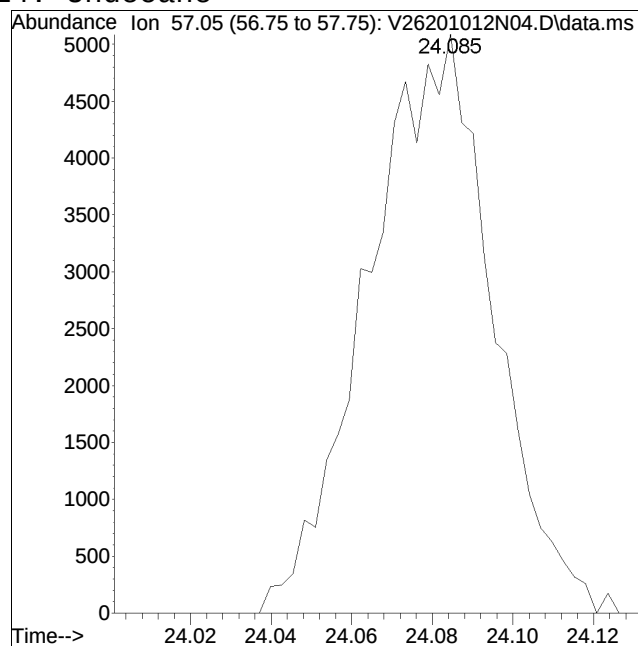
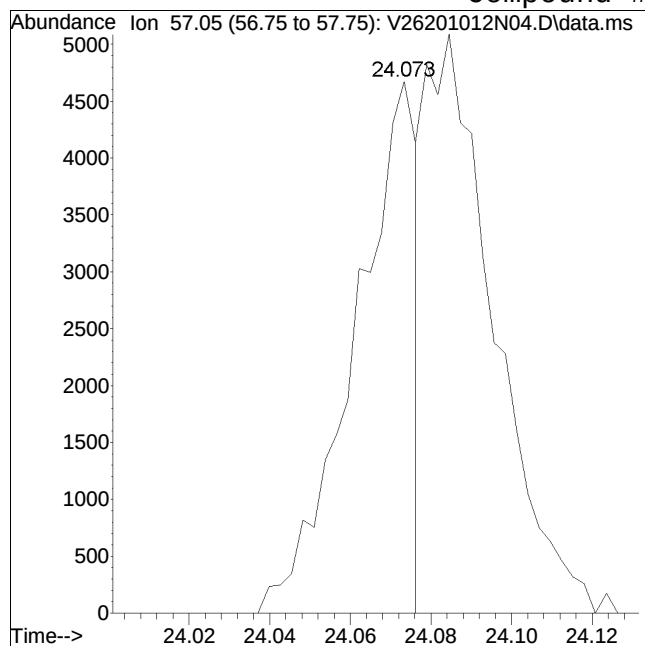
Manual Peak Response = 1272 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20 Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #114: Undecane



Original Peak Response = 4965

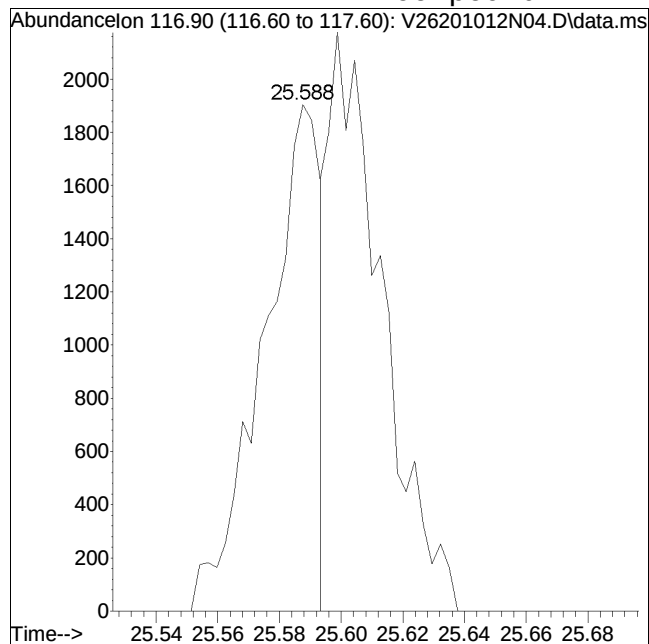
Manual Peak Response = 10971 M1

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

Manual Integration Report

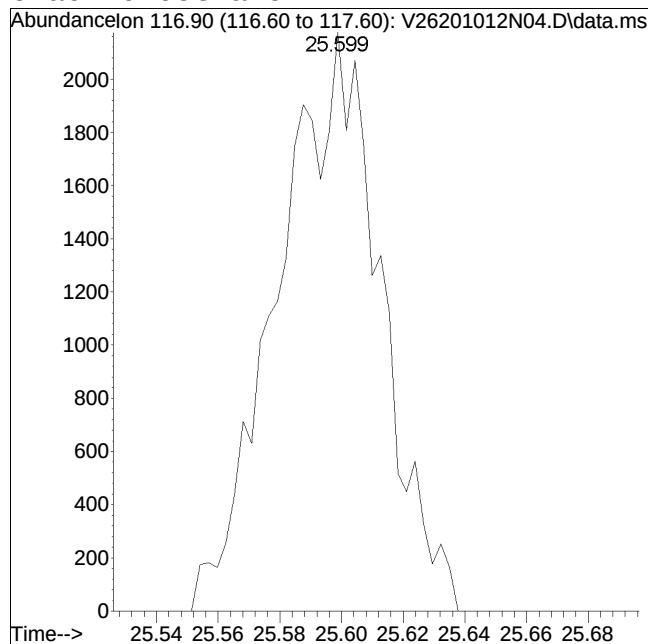
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N04.D Operator : VOA126:JC
Date Inj'd : 10/12/2020 11:21 pm Instrument : VOA126
Sample : I8260STD1.0PPB Quant Date : 10/13/2020 11:32 am

Compound #117: Hexachloroethane



Original Peak Response = 2393

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



Manual Peak Response = 5033 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N05.D
 Acq On : 13 Oct 2020 12:00 am
 Operator : VOA126:JC
 Sample : I8260STD2.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 11:34:48 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 11:34:27 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.538	96	655657	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	101.21%	
63) Chlorobenzene-d5	18.237	117	522837	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	102.24%	
88) 1,4-Dichlorobenzene-d4	23.892	152	267584	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	95.22%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.904	113	174269	20.282	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	101.41%	
47) 1,2-Dichloroethane-d4	10.905	65	149765	20.303	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	101.52%	
65) Toluene-d8	14.874	98	668814	20.141	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	100.71%	
92) 4-Bromofluorobenzene	21.073	95	244882	20.594	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	102.97%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.693	85	13410M1	2.119	ug/L	
3) Chlorodifluoromethane	2.681	51	11886M1	2.149	ug/L	
4) Chloromethane	3.080	50	14870M1	2.502	ug/L	
5) Vinyl chloride	3.236	62	16102M1	2.067	ug/L	
6) Bromomethane	3.950	94	8967	2.066	ug/L	96
7) Chloroethane	4.101	64	8121M1	2.054	ug/L	
8) Trichlorofluoromethane	4.547	101	21304M1	2.113	ug/L	
9) Ethyl ether	5.094	74	6313M1	1.957	ug/L	
11) 1,1-Dichloroethene	5.665	96	12433M1	2.055	ug/L	
12) Carbon disulfide	6.583	76	56181	1.993	ug/L	# 87
13) Freon-113	5.339	101	11863M1	2.027	ug/L	
14) Iodomethane	6.245	142	9310M1	1.709	ug/L	
15) Acrolein	5.353	56	1028M1	1.954	ug/L	
16) Allyl chloride	6.374	76	7239M1	1.911	ug/L	
17) Methylene chloride	6.597	84	15793	2.171	ug/L	80
19) Acetone	5.484	43	6993M1	2.154	ug/L	
20) trans-1,2-Dichloroethene	7.143	96	14774	2.054	ug/L	87
21) Methyl acetate	6.337	43	5167	2.008	ug/L	# 73
22) Hexane	7.263	57	16563	2.070	ug/L	# 87
23) Methyl tert-butyl ether	6.890	73	32053M1	1.971	ug/L	
24) tert-Butyl alcohol	5.877	59	4093M1	8.371	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N05.D
 Acq On : 13 Oct 2020 12:00 am
 Operator : VOA126:JC
 Sample : I8260STD2.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 11:34:48 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 11:34:27 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25)	Diisopropyl ether	7.765	45	30413	1.924	ug/L	#	85
26)	1,1-Dichloroethane	7.974	63	22219M1	2.018	ug/L		
27)	Halothane	7.074	117	10980M1	1.961	ug/L		
28)	Acrylonitrile	6.856	53	2708M1	2.216	ug/L		
29)	Ethyl tert-butyl ether	8.563	59	31856	1.920	ug/L		87
30)	Vinyl acetate	8.002	43	14864	1.817	ug/L	#	94
31)	cis-1,2-Dichloroethene	9.157	96	15663	1.939	ug/L		86
32)	2,2-Dichloropropane	9.070	77	19220	1.957	ug/L	#	39
33)	Bromochloromethane	9.795	128	7310	2.050	ug/L	#	75
34)	Cyclohexane	10.255	56	17583	2.027	ug/L		75
35)	Chloroform	9.475	83	26222	2.014	ug/L	#	90
36)	Ethyl acetate	9.171	43	6695	1.882	ug/L	#	91
37)	Carbon tetrachloride	10.749	117	19771	1.933	ug/L		96
38)	Tetrahydrofuran	9.904	42	2897M1	2.093	ug/L		
40)	1,1,1-Trichloroethane	10.244	97	22520	1.997	ug/L	#	46
42)	2-Butanone	8.833	43	3834M1	2.177	ug/L		
43)	1,1-Dichloropropene	10.568	75	18750	2.021	ug/L	#	88
44)	Heptane	10.886	71	13546	2.074	ug/L	#	80
45)	Benzene	11.106	78	56646	2.011	ug/L	#	81
46)	tert-Amyl methyl ether	10.813	73	32441	1.929	ug/L	#	86
48)	1,2-Dichloroethane	11.095	62	16928	2.040	ug/L		98
51)	Methyl cyclohexane	12.447	83	21950	2.036	ug/L	#	78
52)	Trichloroethene	12.347	95	15041	1.952	ug/L		98
54)	Dibromomethane	13.326	93	8139	1.974	ug/L		97
55)	1,2-Dichloropropane	12.721	63	12949	2.006	ug/L		94
57)	2-Chloroethyl vinyl ether	13.875	63	5199	1.848	ug/L	#	87
58)	Bromodichloromethane	13.214	83	18938	1.937	ug/L		99
60)	Methyl methacrylate	12.871	69	7213	1.903	ug/L	#	74
61)	1,4-Dioxane	13.295	88	4327M1	70.500	ug/L		
62)	cis-1,3-Dichloropropene	14.369	75	20219	1.875	ug/L	#	89
64)	Octane	14.572	85	13496	1.875	ug/L	#	87
66)	Toluene	15.046	92	38185	2.015	ug/L		97
67)	4-Methyl-2-pentanone	13.948	58	3233M1	1.862	ug/L		
68)	Tetrachloroethene	16.471	166	18574	2.048	ug/L	#	70
69)	2-Nitropropane	13.368	41	1770	1.705	ug/L	#	47
71)	trans-1,3-Dichloropropene	15.468	75	16608	1.752	ug/L		85
72)	Methyl isothiocyanate	15.353	73	6173	1.757	ug/L	#	93
74)	Ethyl methacrylate	15.451	69	12983	1.769	ug/L		98
75)	1,1,2-Trichloroethane	15.799	83	9454	1.937	ug/L		96
76)	Chlorodibromomethane	16.934	129	12923	1.809	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N05.D
 Acq On : 13 Oct 2020 12:00 am
 Operator : VOA126:JC
 Sample : I8260STD2.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 11:34:48 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 11:34:27 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
77)	1,3-Dichloropropane	16.363	76	19026	1.955	ug/L	#	74
78)	1,2-Dibromoethane	17.381	107	11125	1.933	ug/L		98
79)	n-Butyl Acetate	16.379	43	13441	1.907	ug/L	#	71
80)	2-Hexanone	15.833	43	5419	1.891	ug/L	#	89
81)	Nonane	18.019	57	18724	1.787	ug/L	#	78
82)	Chlorobenzene	18.320	112	43540	1.990	ug/L		96
83)	Ethylbenzene	18.449	91	72853	2.003	ug/L		97
84)	1,1,1,2-Tetrachloroethane	18.421	131	13734	1.792	ug/L		96
85)	p/m Xylene	18.624	106	56292	3.881	ug/L		89
86)	o Xylene	19.631	106	52094	3.856	ug/L		89
87)	Styrene	19.723	104	83398	3.758	ug/L		94
89)	Bromoform	20.501	173	7437	1.692	ug/L		98
91)	Isopropylbenzene	20.476	105	71992	2.029	ug/L		97
93)	Bromobenzene	21.508	156	18129	2.021	ug/L		98
94)	Decane	21.179	57	21480	1.830	ug/L	#	86
95)	n-Propylbenzene	21.430	91	85436	2.046	ug/L		98
96)	1,4-Dichlorobutane	20.724	55	14558	2.041	ug/L		98
97)	1,1,2,2-Tetrachloroethane	20.911	83	13558	2.007	ug/L		98
98)	4-Ethyltoluene	21.703	105	69804	2.025	ug/L		98
99)	2-Chlorotoluene	21.837	91	57351	2.035	ug/L		98
100)	1,3,5-Trimethylbenzene	21.817	105	60309	1.989	ug/L		97
101)	1,2,3-Trichloropropane	21.257	75	9967	2.010	ug/L		92
102)	trans-1,4-Dichloro-2-b...	21.444	53	2878	1.822	ug/L	#	94
103)	4-Chlorotoluene	21.960	91	52003	2.047	ug/L		100
104)	tert-Butylbenzene	22.662	119	52235	2.015	ug/L		99
107)	1,2,4-Trimethylbenzene	22.749	105	59256	2.006	ug/L		98
108)	Limonene	23.323	68	17771	1.887	ug/L		90
109)	sec-Butylbenzene	23.173	105	77089	2.007	ug/L		99
110)	p-Isopropyltoluene	23.505	119	66087	1.978	ug/L		98
111)	1,3-Dichlorobenzene	23.708	146	35638	1.998	ug/L		99
112)	1,4-Dichlorobenzene	23.970	146	35479	2.011	ug/L		99
113)	trans-Decahydronaphtha...	24.450	138	18150	1.951	ug/L		90
114)	Undecane	24.079	57	20917	1.979	ug/L	#	81
115)	p-Diethylbenzene	24.508	119	40566	1.979	ug/L		99
116)	n-Butylbenzene	24.483	91	74615	2.012	ug/L		97
117)	Hexachloroethane	25.596	117	11061	1.759	ug/L	#	67
118)	1,2-Dichlorobenzene	24.821	146	32212	1.983	ug/L		99
119)	cis-Decahydronaphthalene	25.892	138	13641	1.910	ug/L		94
120)	1,2,4,5-Tetramethylben...	26.204	119	53809	1.829	ug/L		97
121)	1,2-Dibromo-3-chloropr...	26.547	155	2043	1.782	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N05.D
 Acq On : 13 Oct 2020 12:00 am
 Operator : VOA126:JC
 Sample : I8260STD2.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 11:34:48 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 11:34:27 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.010	180	23567	1.919	ug/L	97
123)	Nitrobenzene	26.725	77	318M1	2.372	ug/L	
124)	Hexachlorobutadiene	28.466	225	11648	1.882	ug/L	99
125)	1,2,4-Trichlorobenzene	28.212	180	21296	1.909	ug/L	98
126)	Naphthalene	28.669	128	40593	1.897	ug/L	100
127)	1,2,3-Trichlorobenzene	29.101	180	19060	1.901	ug/L	99

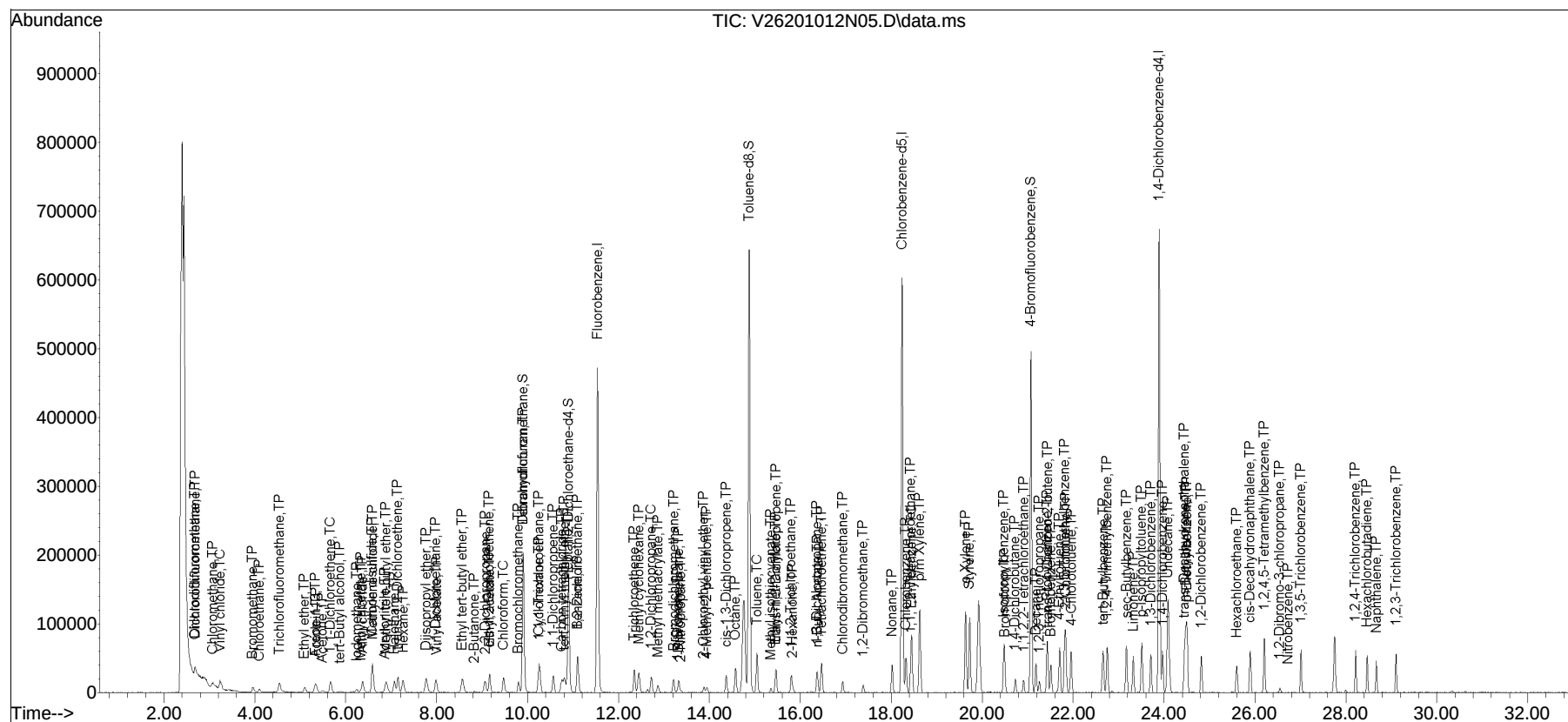
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N05.D
 Acq On : 13 Oct 2020 12:00 am
 Operator : VOA126:JC
 Sample : I8260STD2.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 11:34:48 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 11:34:27 2020
 Response via : Initial Calibration

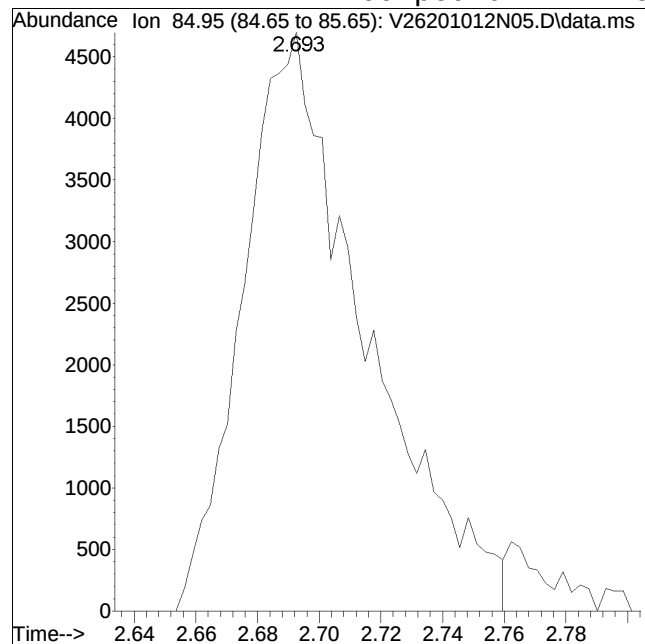
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01012N08.D•



Manual Integration Report

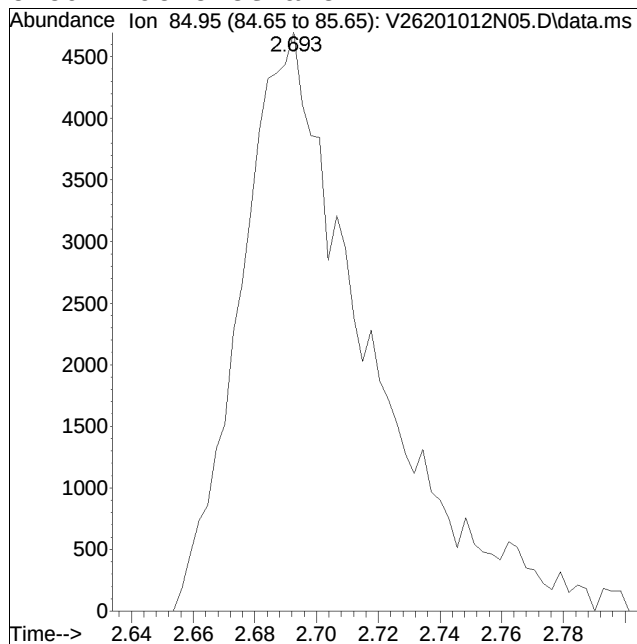
Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 12904

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

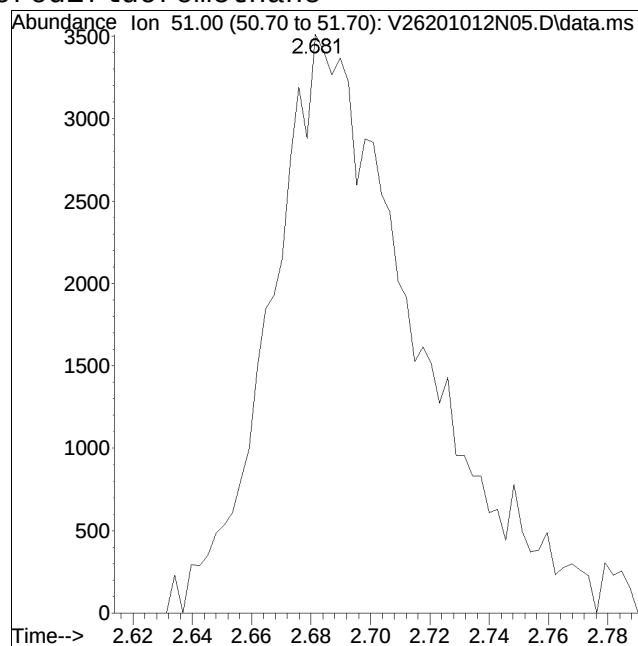
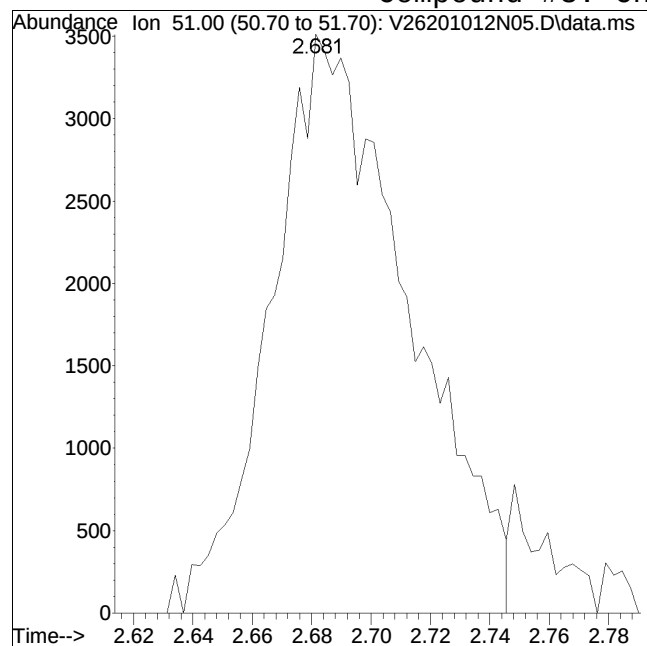


Manual Peak Response = 13410 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #3: Chlorodifluoromethane



Original Peak Response = 11286

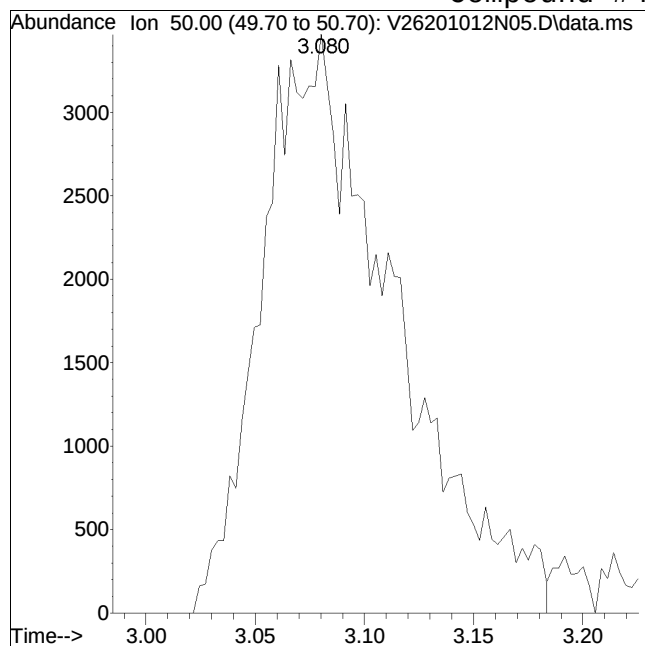
Manual Peak Response = 11886 M1

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

Manual Integration Report

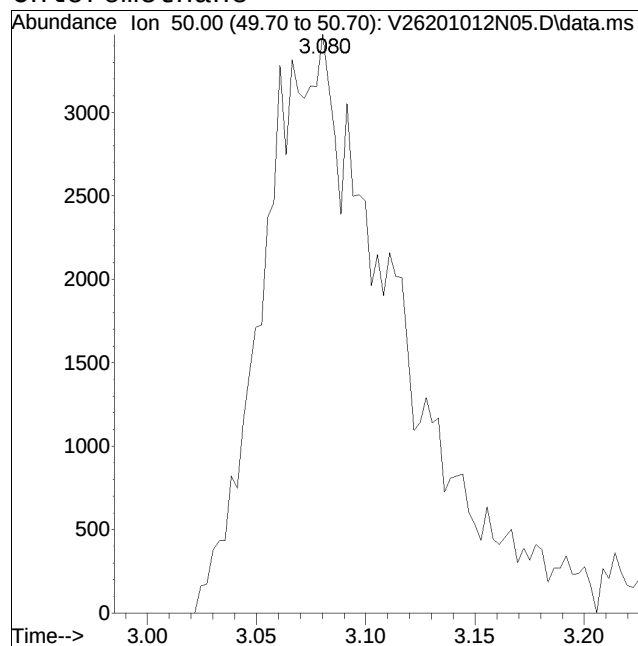
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #4: Chloromethane



Original Peak Response = 14570

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

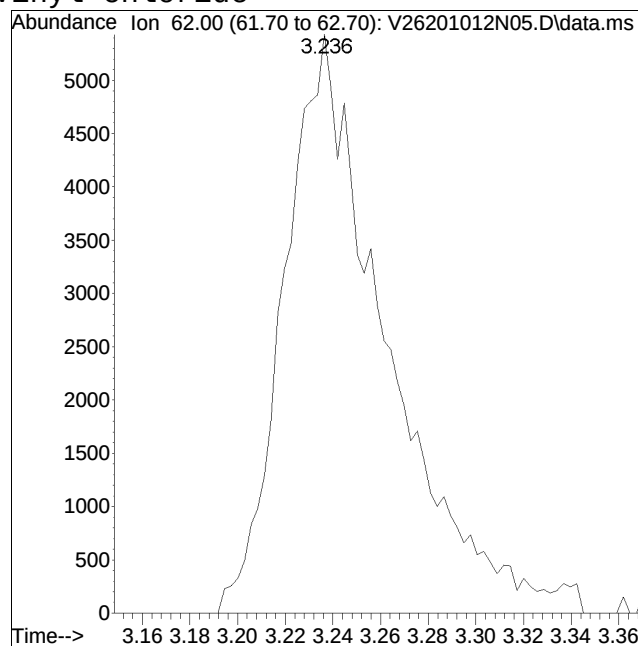
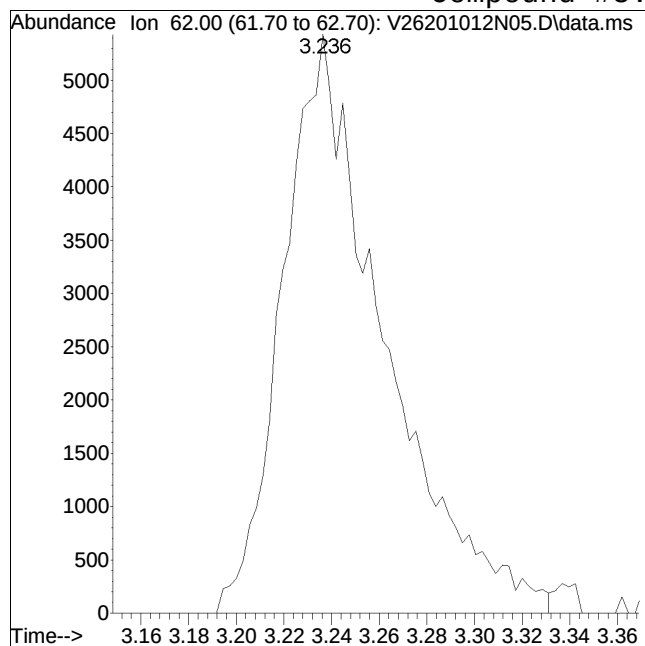


Manual Peak Response = 14870 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #5: Vinyl chloride



Original Peak Response = 15931

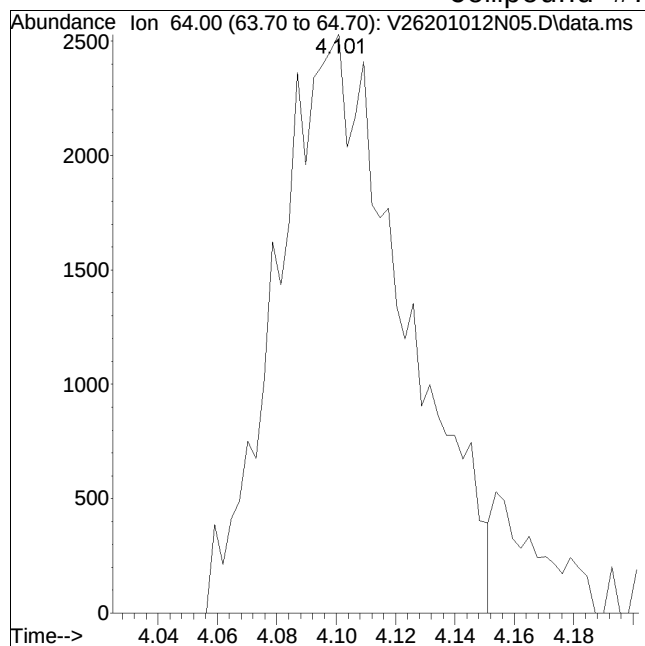
Manual Peak Response = 16102 M1

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

Manual Integration Report

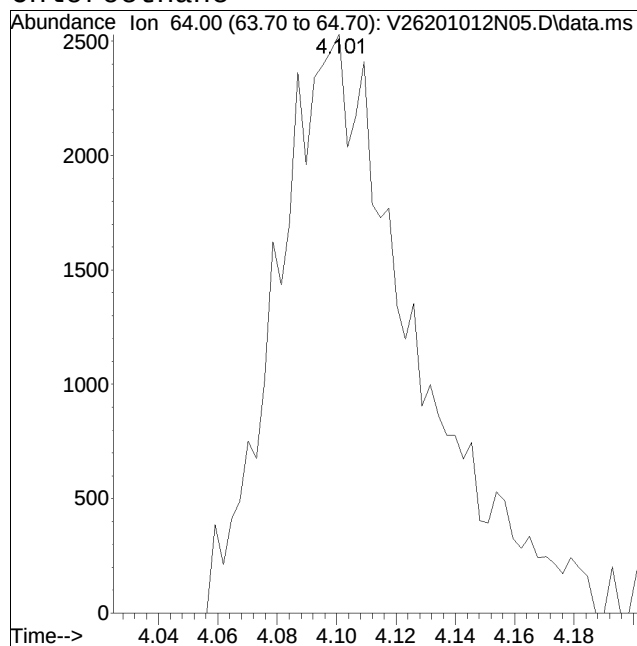
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #7: Chloroethane



Original Peak Response = 7544

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

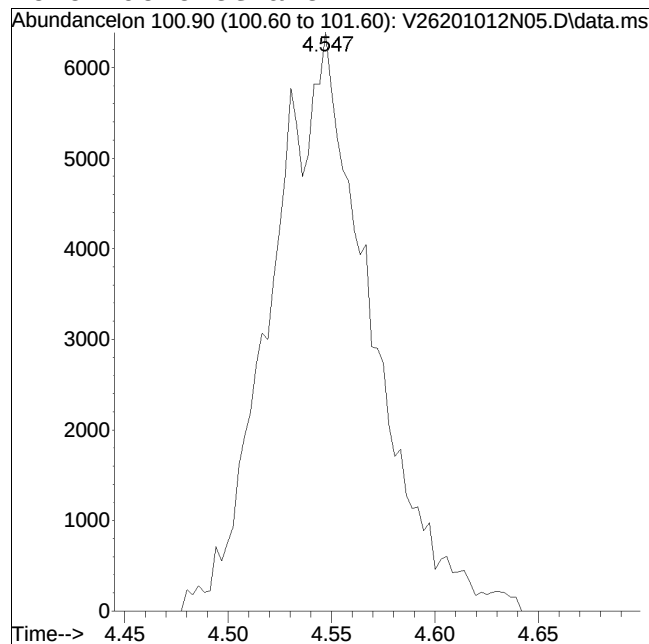
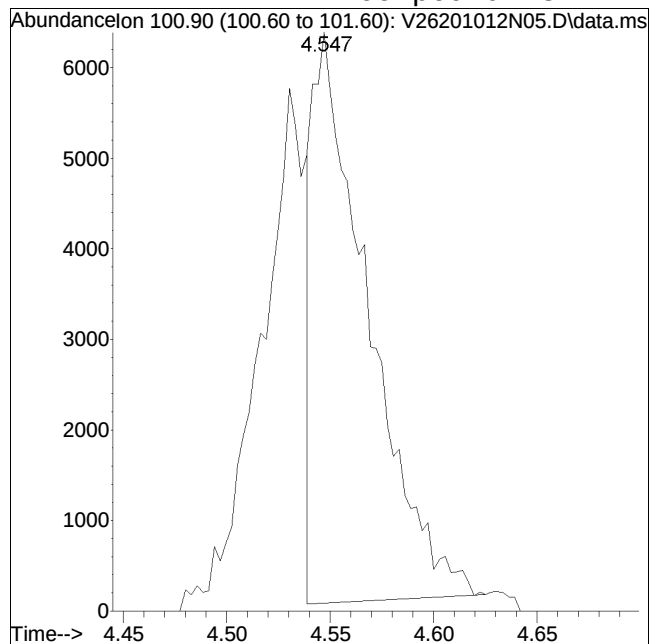


Manual Peak Response = 8121 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #8: Trichlorofluoromethane



Original Peak Response = 11734

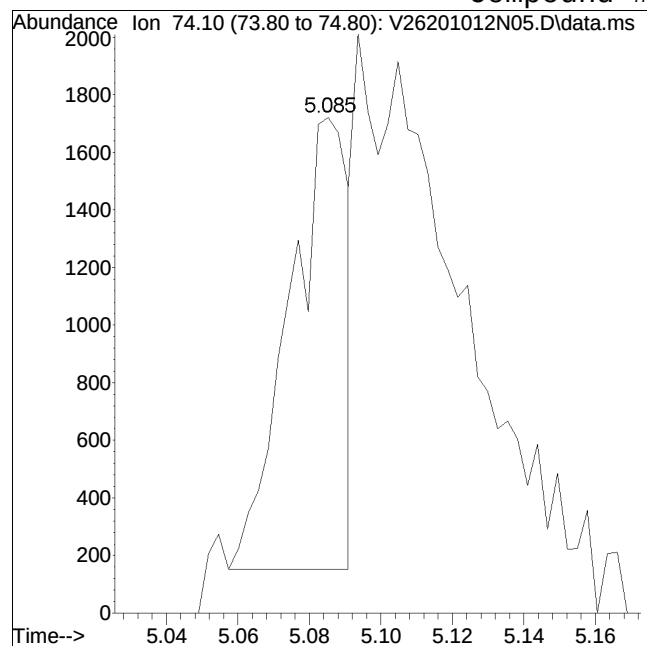
Manual Peak Response = 21304 M1

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

Manual Integration Report

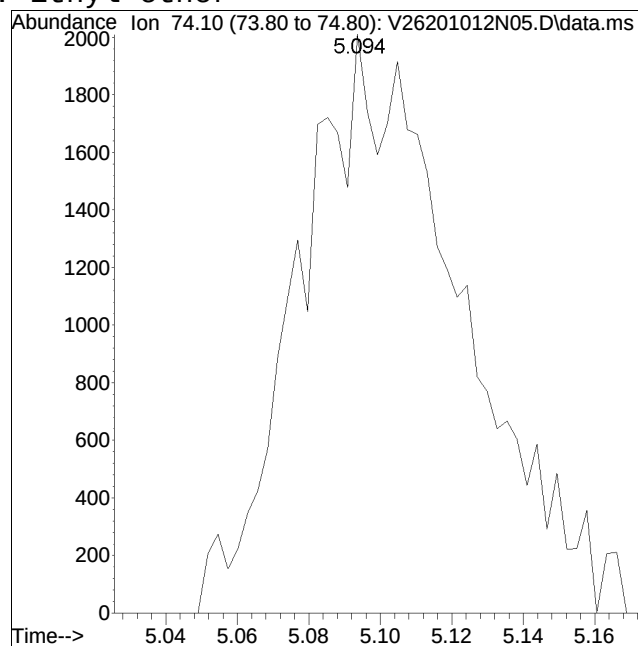
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #9: Ethyl ether



Original Peak Response = 1778

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

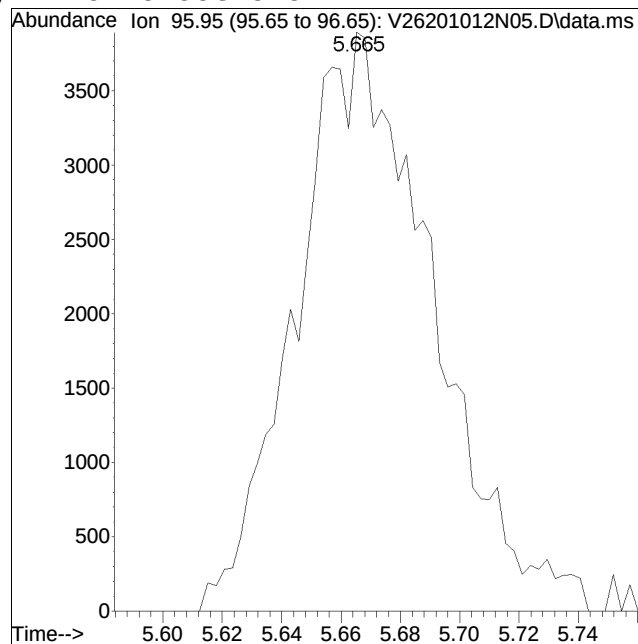
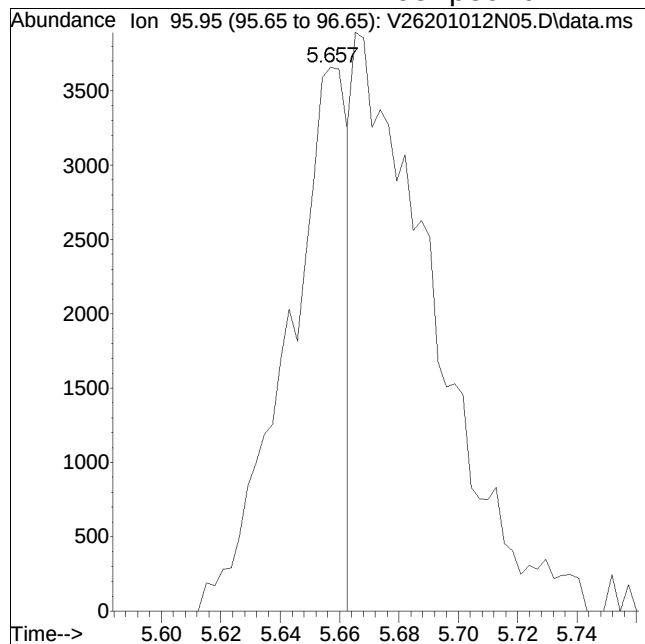


Manual Peak Response = 6313 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #11: 1,1-Dichloroethene



Original Peak Response = 5135

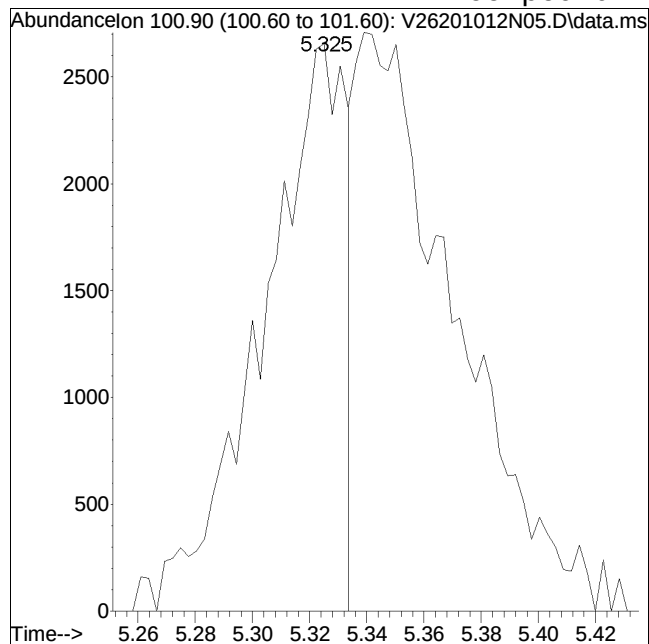
Manual Peak Response = 12433 M1

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

Manual Integration Report

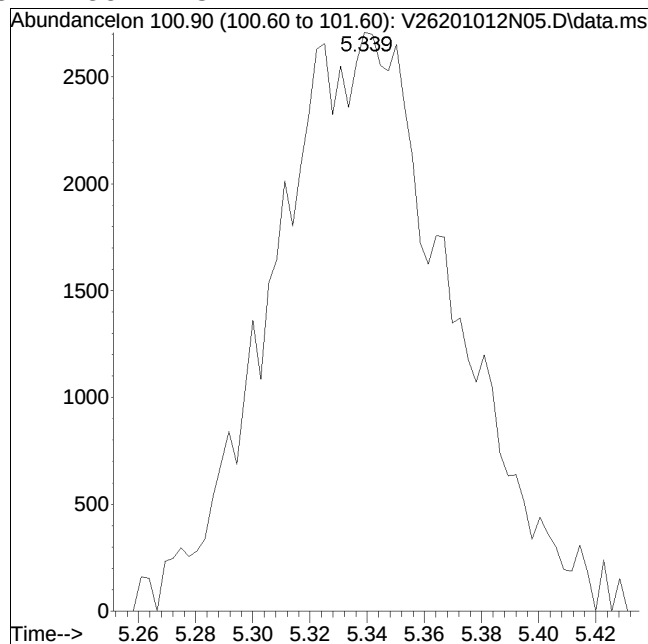
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #13: Freon-113



Original Peak Response = 5319

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

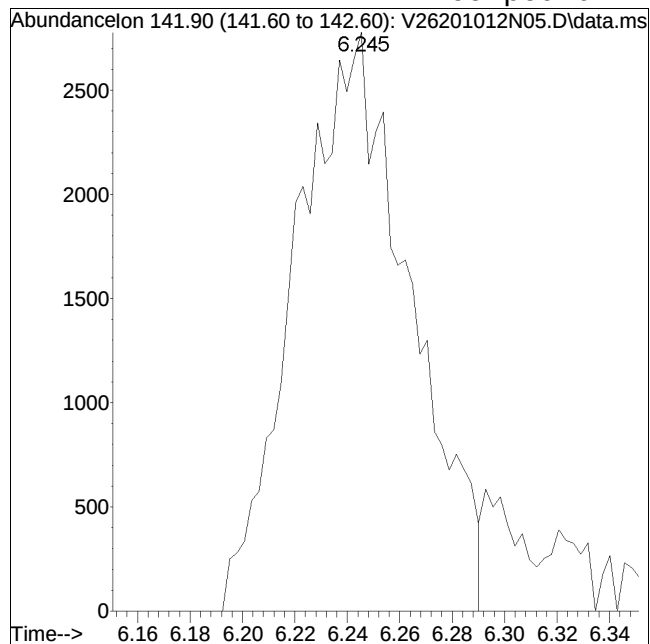


Manual Peak Response = 11863 M1

Manual Integration Report

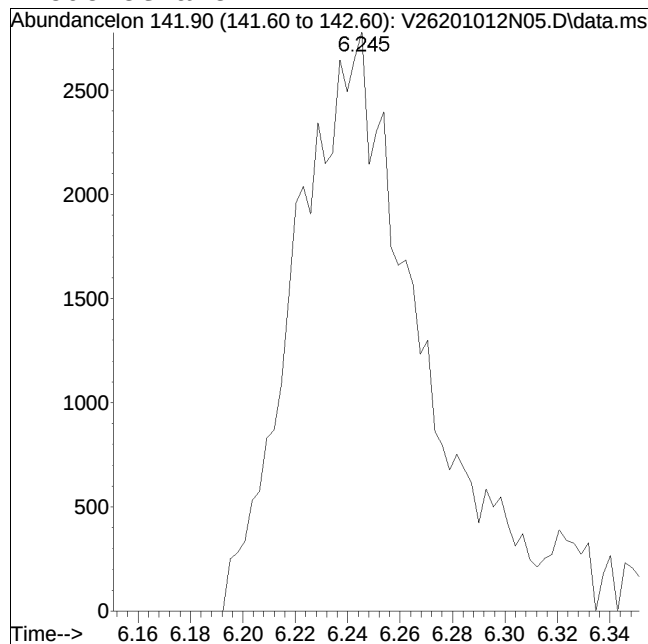
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #14: Iodomethane



Original Peak Response = 8412

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

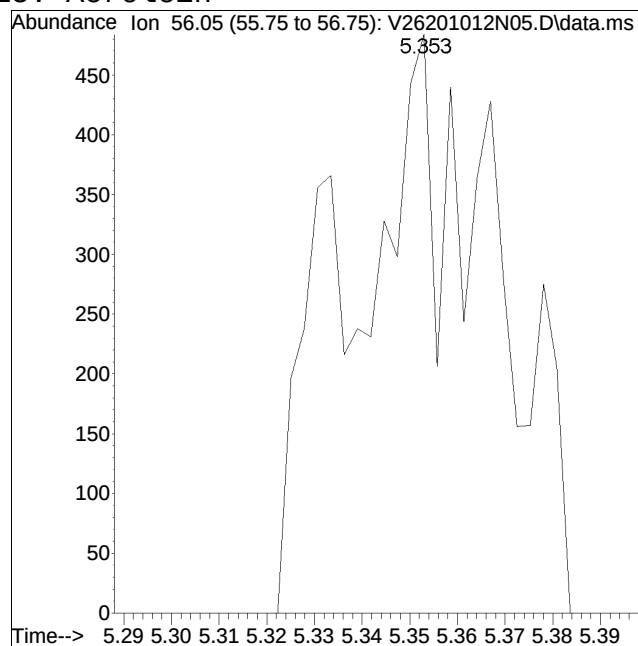
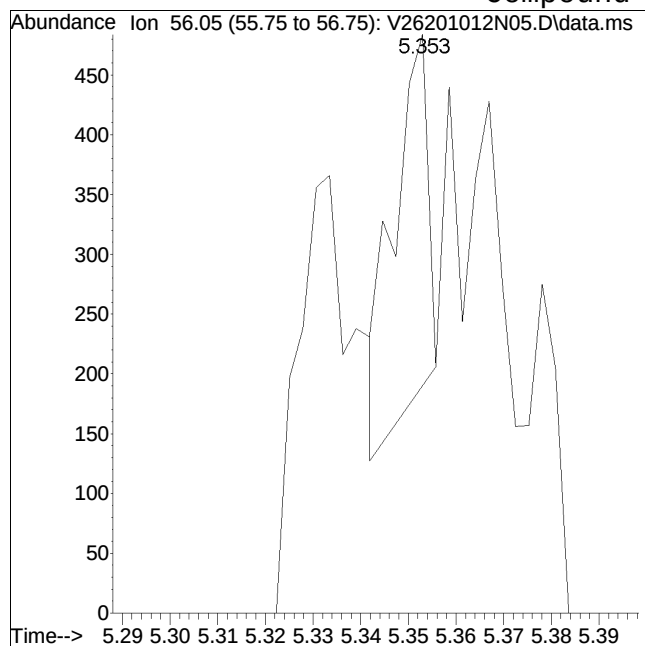


Manual Peak Response = 9310 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #15: Acrolein



Original Peak Response = 155

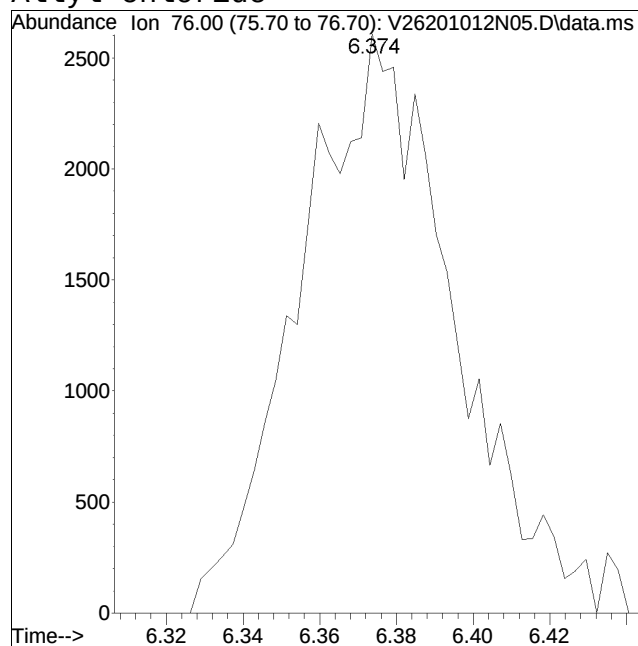
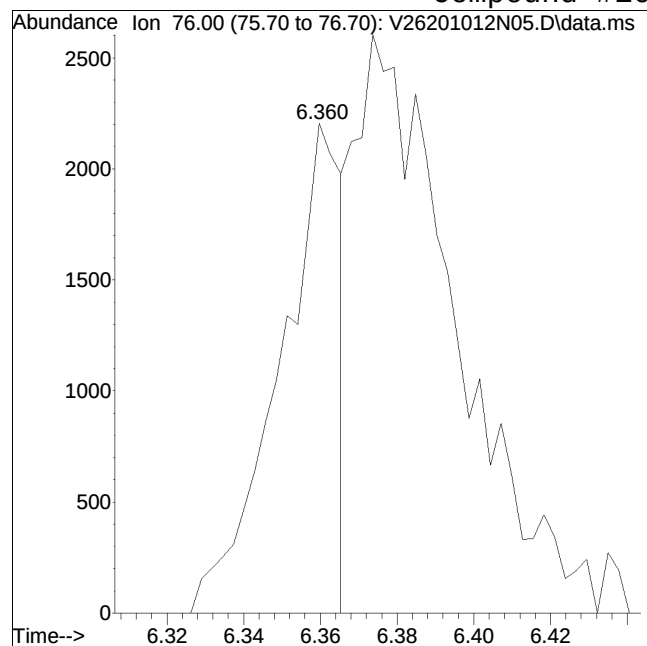
Manual Peak Response = 1028 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
 Data File : V26201012N05.D Operator : VOA126:JC
 Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
 Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #16: Allyl chloride



Original Peak Response = 2441

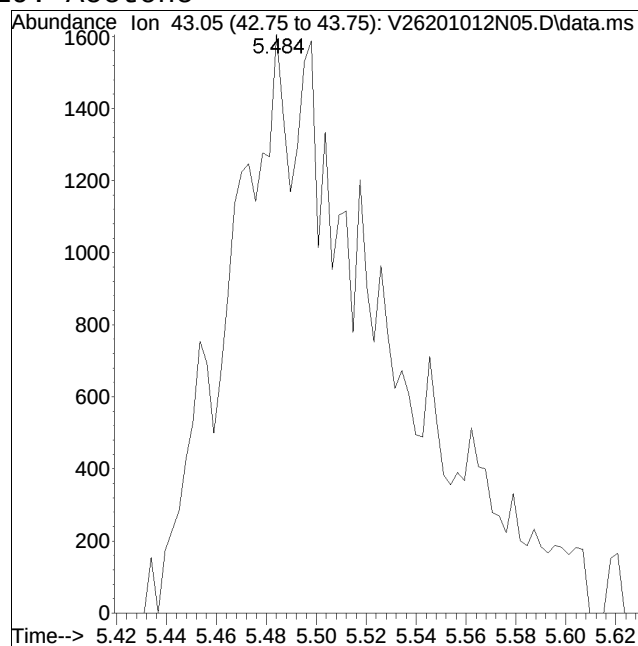
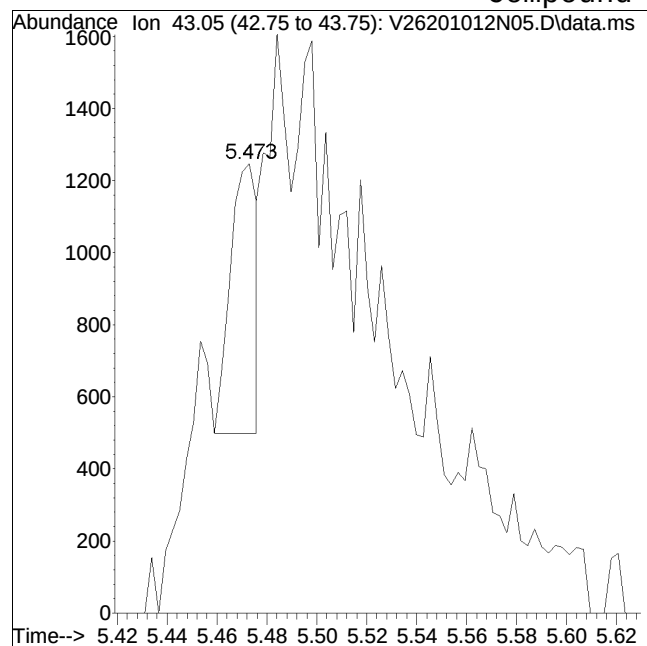
Manual Peak Response = 7239 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #19: Acetone



Original Peak Response = 552

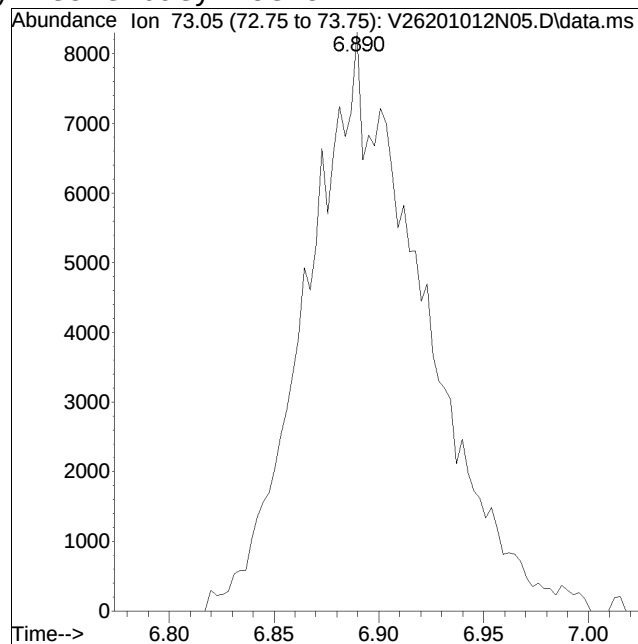
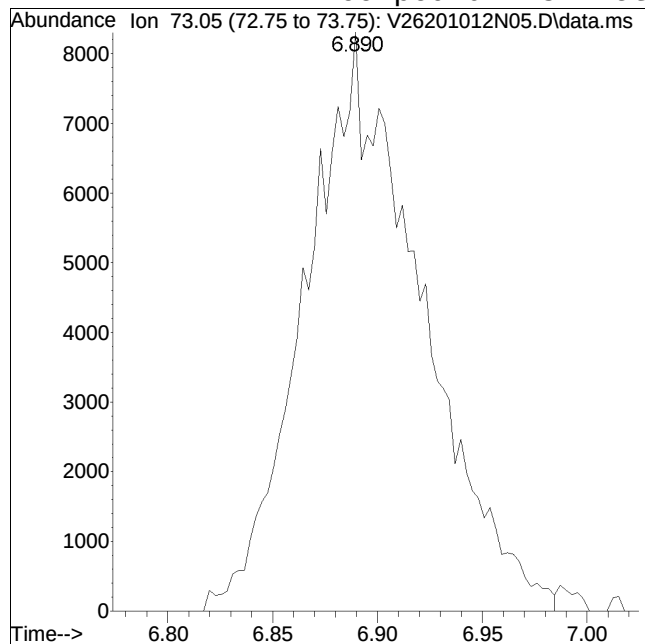
Manual Peak Response = 6993 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #23: Methyl tert-butyl ether



Original Peak Response = 31830

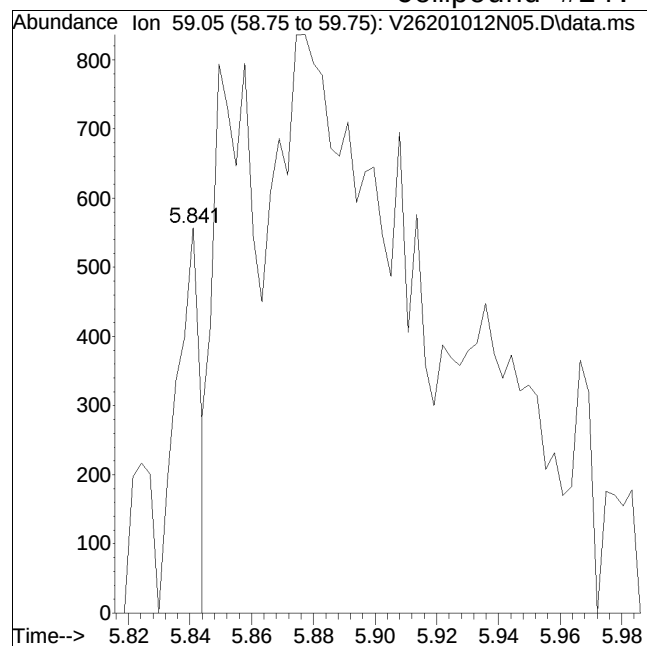
Manual Peak Response = 32053 M1

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

Manual Integration Report

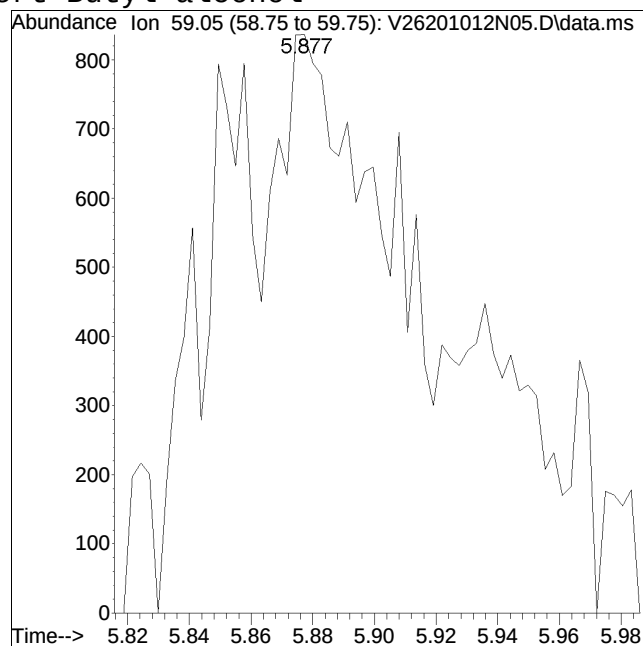
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 295

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

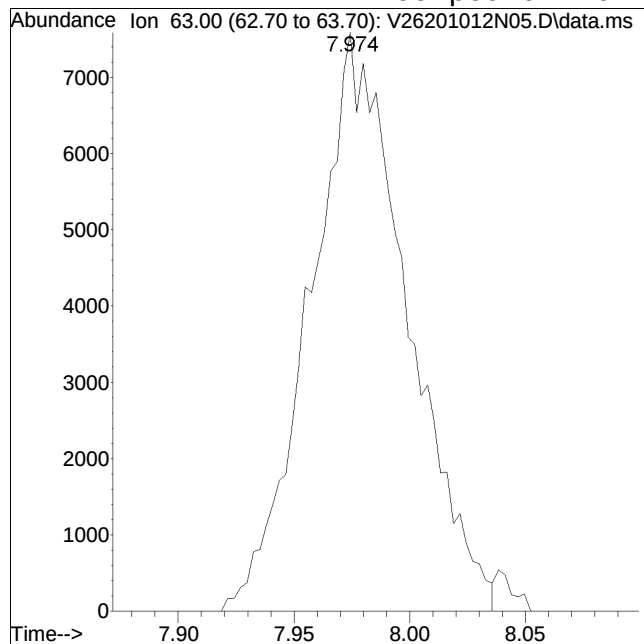


Manual Peak Response = 4093 M1

Manual Integration Report

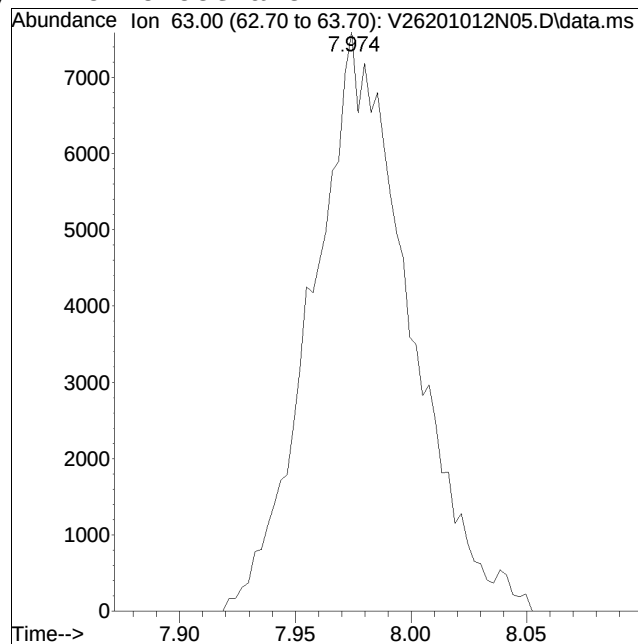
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #26: 1,1-Dichloroethane



Original Peak Response = 21945

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

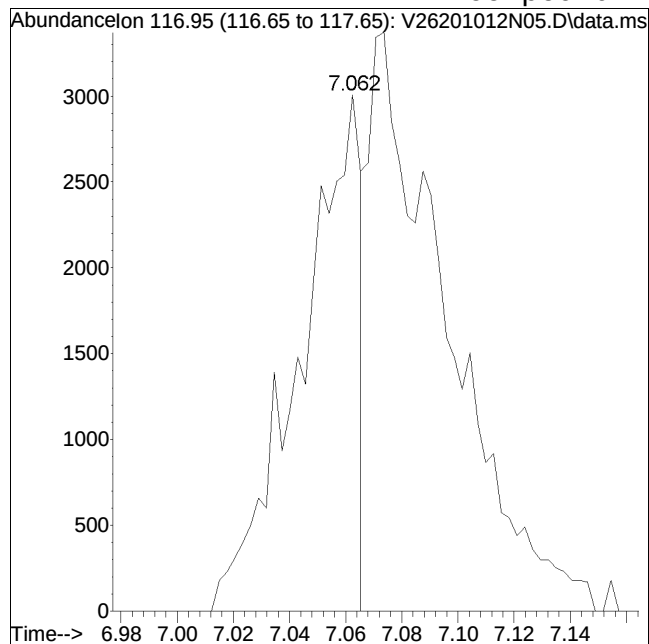


Manual Peak Response = 22219 M1

Manual Integration Report

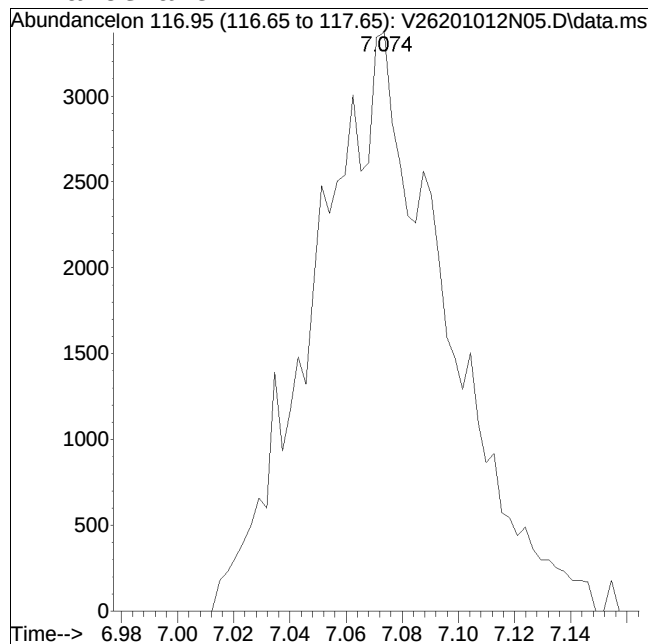
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #27: Halothane



Original Peak Response = 4432

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

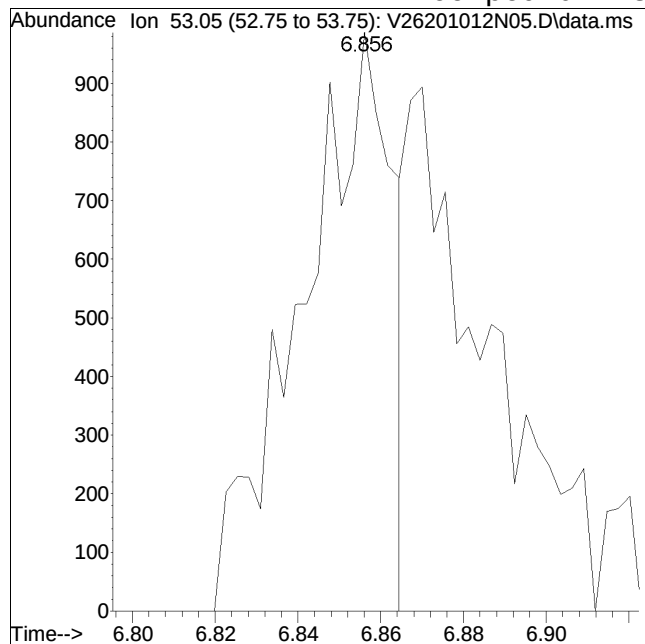


Manual Peak Response = 10980 M1

Manual Integration Report

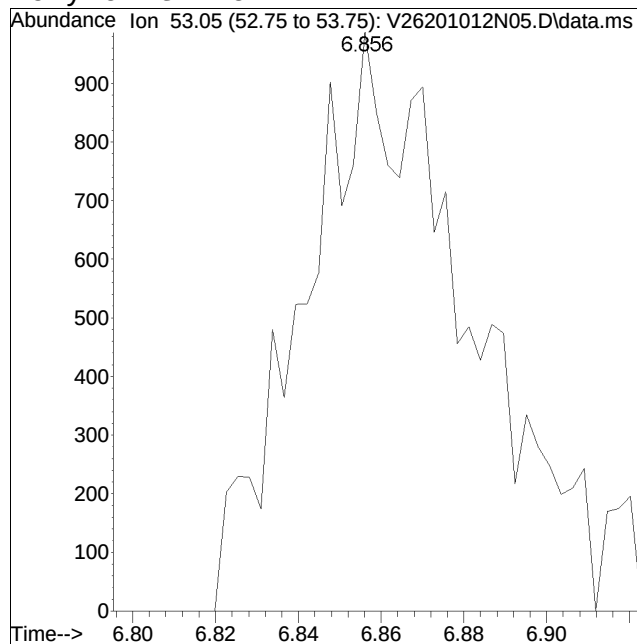
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #28: Acrylonitrile



Original Peak Response = 1504

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

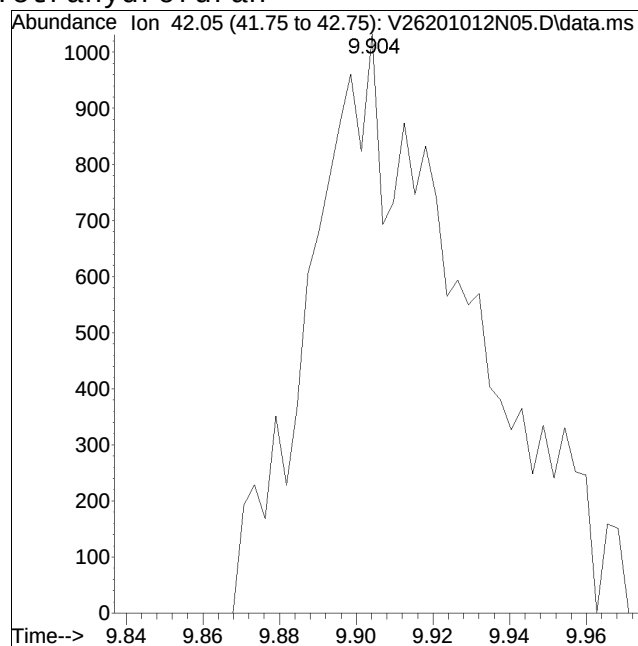
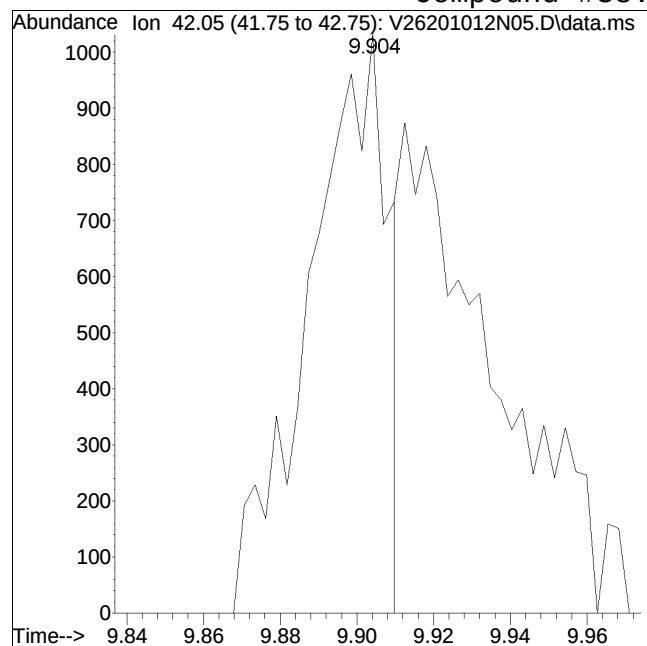


Manual Peak Response = 2708 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #38: Tetrahydrofuran



Original Peak Response = 1457

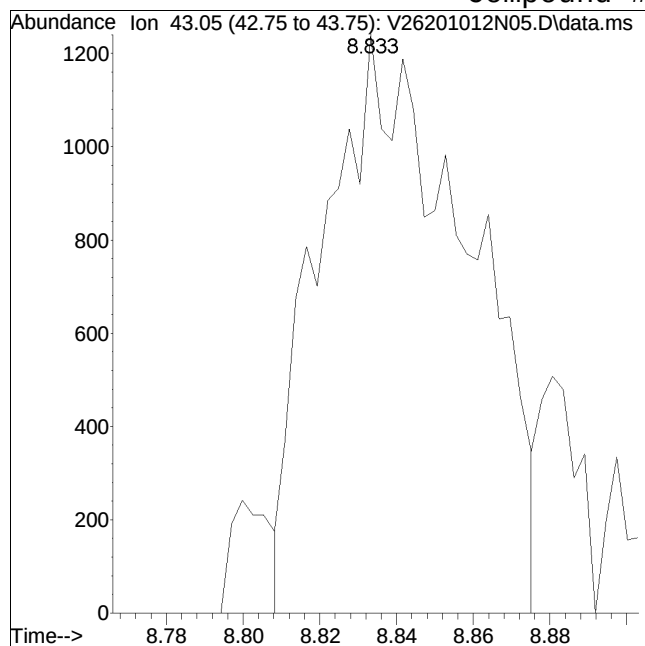
Manual Peak Response = 2897 M1

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

Manual Integration Report

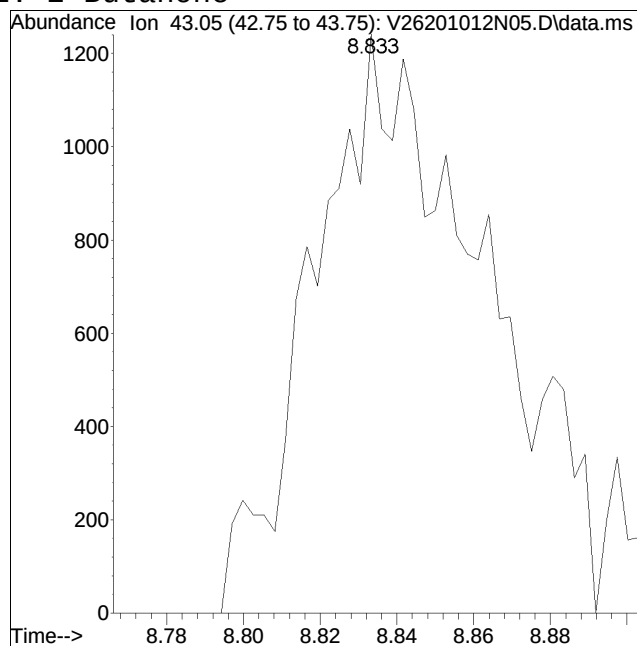
Data Path : I:\VOLATILES\VOA126\2020\20 Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #42: 2-Butanone



Original Peak Response = 3314

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

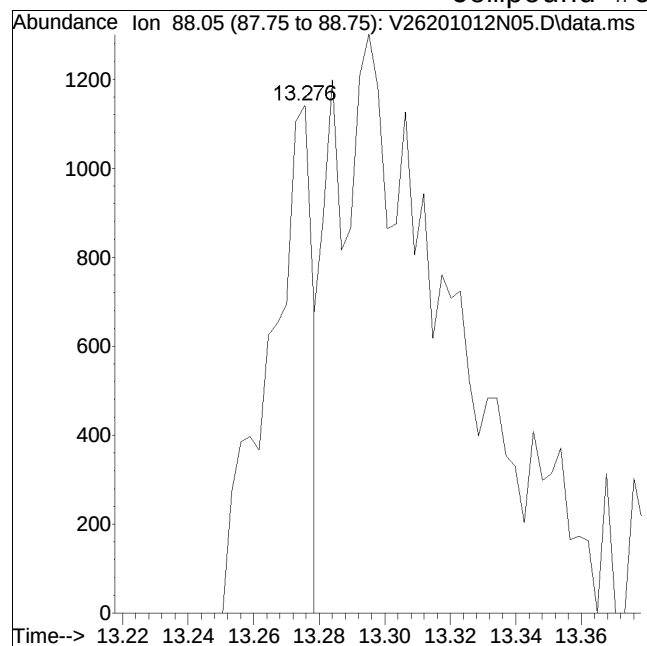


Manual Peak Response = 3834 M1

Manual Integration Report

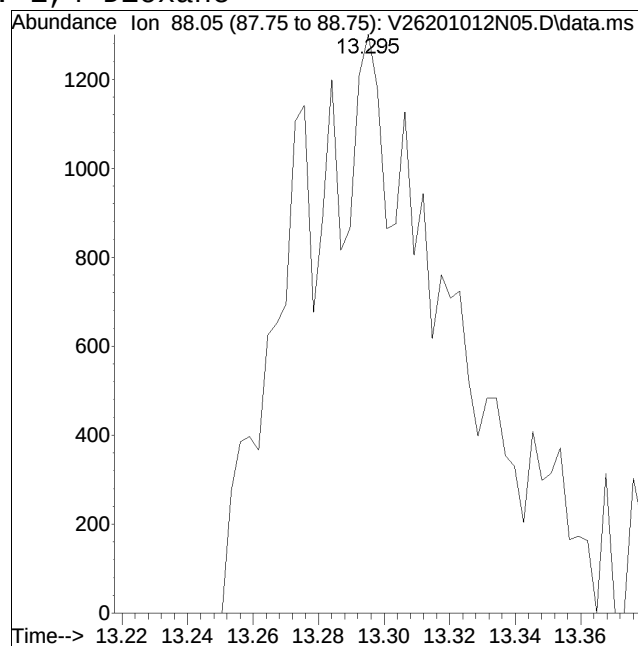
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #61: 1,4-Dioxane



Original Peak Response = 1057

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

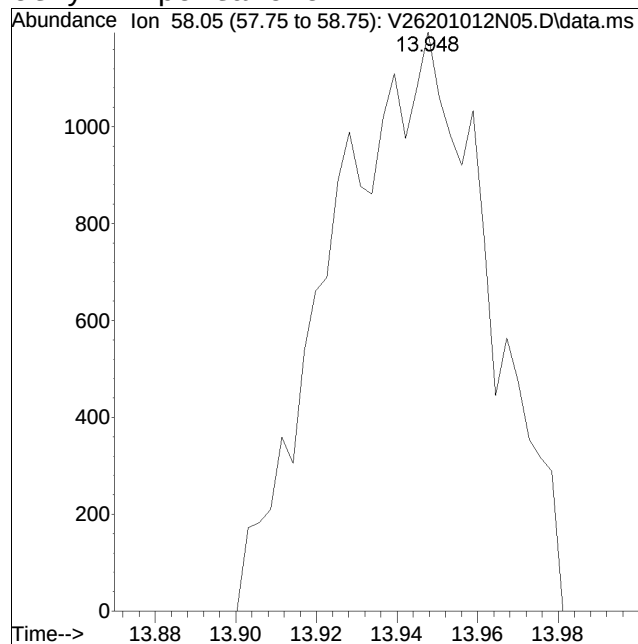
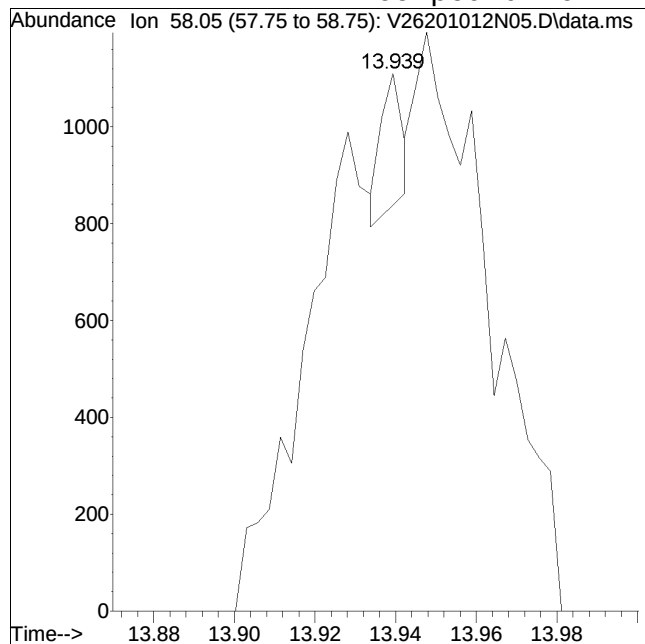


Manual Peak Response = 4327 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N05.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:00 am Instrument : VOA126
Sample : I8260STD2.0PPB Quant Date : 10/13/2020 11:34 am

Compound #67: 4-Methyl-2-pentanone



Original Peak Response = 104

Manual Peak Response = 3233 M1

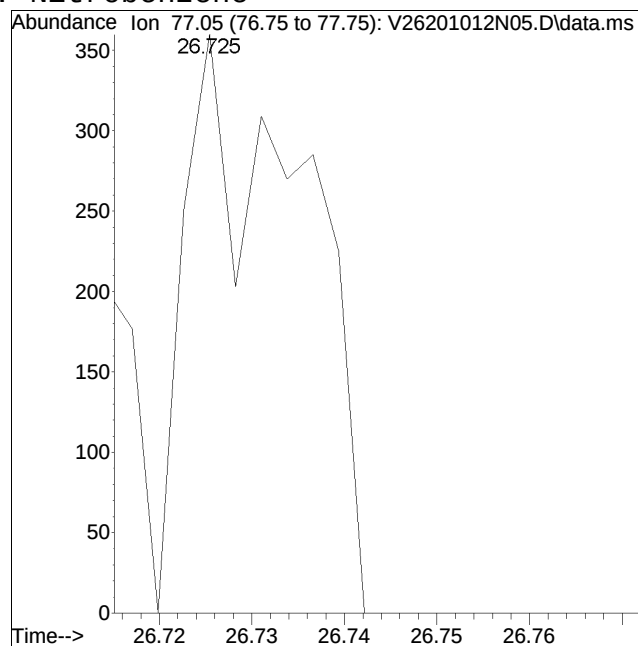
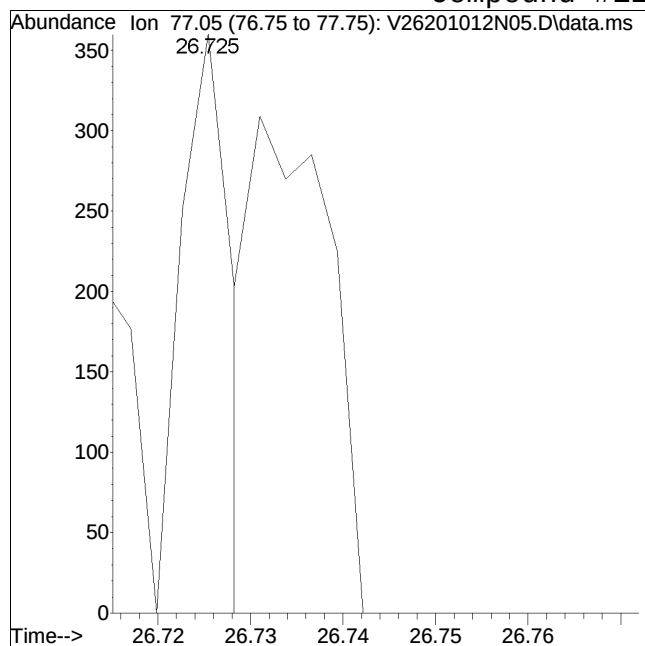
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20
Data File : V26201012N05.D
Date Inj'd : 10/13/2020 12:00 am
Sample : I8260STD2.0PPB

Method : V126_201012N_8260Suff.m
Operator : VOA126:JC
Instrument : VOA126
Quant Date : 10/13/2020 11:34 am

Compound #123: Nitrobenzene



Original Peak Response = 136

Manual Peak Response = 318 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N06.D
 Acq On : 13 Oct 2020 12:40 am
 Operator : VOA126:JC
 Sample : I8260STD4.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:14:06 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.536	96	641193	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	98.97%	
63) Chlorobenzene-d5	18.234	117	506863	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	99.12%	
88) 1,4-Dichlorobenzene-d4	23.892	152	261039	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	92.89%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.907	113	167200	19.978	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	99.89%	
47) 1,2-Dichloroethane-d4	10.902	65	142870	19.991	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	99.95%	
65) Toluene-d8	14.871	98	647797	20.187	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	100.94%	
92) 4-Bromofluorobenzene	21.073	95	238079	21.081	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	105.40%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.687	85	26168	4.008	ug/L	# 88
3) Chlorodifluoromethane	2.684	51	23483M1	4.458	ug/L	
4) Chloromethane	3.080	50	25304M1	4.834	ug/L	
5) Vinyl chloride	3.234	62	31014	4.019	ug/L	97
6) Bromomethane	3.956	94	16644M1	4.187	ug/L	
7) Chloroethane	4.104	64	16298M1	4.187	ug/L	
8) Trichlorofluoromethane	4.542	101	40911	4.006	ug/L	96
9) Ethyl ether	5.094	74	12333M1	3.955	ug/L	
11) 1,1-Dichloroethene	5.671	96	24076M1	4.080	ug/L	
12) Carbon disulfide	6.580	76	84687	5.498	ug/L	99
13) Freon-113	5.336	101	23813	3.974	ug/L	99
14) Iodomethane	6.245	142	17819M1	3.135	ug/L	
15) Acrolein	5.350	56	1741M1	3.263	ug/L	
16) Allyl chloride	6.368	76	15058	3.902	ug/L	# 55
17) Methylene chloride	6.594	84	29206	4.383	ug/L	79
19) Acetone	5.479	43	8119M1	8.196	ug/L	
20) trans-1,2-Dichloroethene	7.146	96	28501	4.060	ug/L	88
21) Methyl acetate	6.340	43	9740M1	3.947	ug/L	
22) Hexane	7.260	57	33022	3.890	ug/L	97
23) Methyl tert-butyl ether	6.887	73	60683	3.797	ug/L	# 75
24) tert-Butyl alcohol	5.891	59	8150M1	16.865	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N06.D
 Acq On : 13 Oct 2020 12:40 am
 Operator : VOA126:JC
 Sample : I8260STD4.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:14:06 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Diisopropyl ether	7.762	45	60873	3.958	ug/L	# 90
26) 1,1-Dichloroethane	7.972	63	43637	4.107	ug/L	97
27) Halothane	7.068	117	21663	3.848	ug/L	99
28) Acrylonitrile	6.851	53	5010	3.733	ug/L	# 58
29) Ethyl tert-butyl ether	8.568	59	62080	3.826	ug/L	90
30) Vinyl acetate	8.005	43	29471M1	3.645	ug/L	
31) cis-1,2-Dichloroethene	9.162	96	31758	4.093	ug/L	# 82
32) 2,2-Dichloropropane	9.065	77	38086	3.857	ug/L	87
33) Bromochloromethane	9.801	128	13969	4.040	ug/L	# 79
34) Cyclohexane	10.264	56	35857	4.020	ug/L	76
35) Chloroform	9.475	83	51440	4.084	ug/L	96
36) Ethyl acetate	9.162	43	13607M1	3.858	ug/L	
37) Carbon tetrachloride	10.755	117	39439	3.749	ug/L	99
38) Tetrahydrofuran	9.896	42	4314	4.007	ug/L	# 67
40) 1,1,1-Trichloroethane	10.253	97	45084	4.007	ug/L	96
42) 2-Butanone	8.839	43	6687M1	4.254	ug/L	
43) 1,1-Dichloropropene	10.562	75	37829	4.088	ug/L	100
44) Heptane	10.877	71	27705	4.111	ug/L	# 81
45) Benzene	11.109	78	110847	4.088	ug/L	92
46) tert-Amyl methyl ether	10.808	73	63470	3.824	ug/L	99
48) 1,2-Dichloroethane	11.092	62	31932	4.074	ug/L	99
51) Methyl cyclohexane	12.445	83	43919	3.890	ug/L	# 77
52) Trichloroethene	12.350	95	30419	3.983	ug/L	99
54) Dibromomethane	13.323	93	16098	4.038	ug/L	97
55) 1,2-Dichloropropane	12.726	63	24920	3.964	ug/L	# 94
57) 2-Chloroethyl vinyl ether	13.881	63	10393	3.871	ug/L	89
58) Bromodichloromethane	13.212	83	38067	3.872	ug/L	100
60) Methyl methacrylate	12.860	69	13721	3.597	ug/L	# 67
61) 1,4-Dioxane	13.281	88	10243M1	154.212	ug/L	
62) cis-1,3-Dichloropropene	14.372	75	40277	3.675	ug/L	# 88
64) Octane	14.572	85	27846	3.878	ug/L	# 84
66) Toluene	15.044	92	73174	4.011	ug/L	95
67) 4-Methyl-2-pentanone	13.945	58	6323M1	3.676	ug/L	
68) Tetrachloroethene	16.460	166	36180	4.207	ug/L	98
69) 2-Nitropropane	13.379	41	3395	3.364	ug/L	# 99
71) trans-1,3-Dichloropropene	15.468	75	34369	3.619	ug/L	# 82
72) Methyl isothiocyanate	15.353	73	12045	3.389	ug/L	# 92
74) Ethyl methacrylate	15.454	69	26118	3.528	ug/L	97
75) 1,1,2-Trichloroethane	15.802	83	18661	3.924	ug/L	97
76) Chlorodibromomethane	16.934	129	25296	3.438	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N06.D
 Acq On : 13 Oct 2020 12:40 am
 Operator : VOA126:JC
 Sample : I8260STD4.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:14:06 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	1,3-Dichloropropane	16.360	76	36594	3.879	ug/L	100
78)	1,2-Dibromoethane	17.383	107	20959	3.716	ug/L	97
79)	n-Butyl Acetate	16.379	43	24214	3.430	ug/L #	90
80)	2-Hexanone	15.833	43	10278	3.657	ug/L	93
81)	Nonane	18.016	57	37427	3.656	ug/L #	82
82)	Chlorobenzene	18.323	112	85501	4.066	ug/L	98
83)	Ethylbenzene	18.446	91	142768	4.023	ug/L	97
84)	1,1,1,2-Tetrachloroethane	18.432	131	28306	3.626	ug/L	98
85)	p/m Xylene	18.627	106	112825	7.972	ug/L	90
86)	o Xylene	19.634	106	104153	7.876	ug/L	89
87)	Styrene	19.726	104	168383	7.557	ug/L	94
89)	Bromoform	20.501	173	15024	3.399	ug/L	98
91)	Isopropylbenzene	20.484	105	143742	4.202	ug/L	97
93)	Bromobenzene	21.508	156	35406	4.093	ug/L	99
94)	Decane	21.179	57	43675	3.832	ug/L #	86
95)	n-Propylbenzene	21.427	91	170900	4.238	ug/L	98
96)	1,4-Dichlorobutane	20.727	55	28172	4.145	ug/L #	80
97)	1,1,2,2-Tetrachloroethane	20.908	83	26467	4.017	ug/L	98
98)	4-Ethyltoluene	21.706	105	139547	4.167	ug/L	98
99)	2-Chlorotoluene	21.840	91	114218	4.329	ug/L	99
100)	1,3,5-Trimethylbenzene	21.815	105	121181	4.177	ug/L	97
101)	1,2,3-Trichloropropane	21.257	75	19912	4.195	ug/L	98
102)	trans-1,4-Dichloro-2-b...	21.438	53	5874	3.819	ug/L	97
103)	4-Chlorotoluene	21.951	91	104402	4.333	ug/L	100
104)	tert-Butylbenzene	22.654	119	104875	4.161	ug/L	99
107)	1,2,4-Trimethylbenzene	22.749	105	117624	4.152	ug/L	97
108)	Limonene	23.318	68	36065	3.764	ug/L	91
109)	sec-Butylbenzene	23.173	105	155988	4.118	ug/L	98
110)	p-Isopropyltoluene	23.513	119	134090	4.100	ug/L	98
111)	1,3-Dichlorobenzene	23.705	146	71471	4.191	ug/L	98
112)	1,4-Dichlorobenzene	23.965	146	71045	4.216	ug/L	98
113)	trans-Decahydronaphtha...	24.450	138	36895	4.068	ug/L	92
114)	Undecane	24.079	57	41474	3.911	ug/L #	82
115)	p-Diethylbenzene	24.508	119	80179	4.103	ug/L	99
116)	n-Butylbenzene	24.483	91	148231	4.223	ug/L	97
117)	Hexachloroethane	25.596	117	21581	3.343	ug/L	94
118)	1,2-Dichlorobenzene	24.821	146	63473	4.058	ug/L	99
119)	cis-Decahydronaphthalene	25.894	138	27986	3.950	ug/L	91
120)	1,2,4,5-Tetramethylben...	26.201	119	110603	3.768	ug/L	97
121)	1,2-Dibromo-3-chloropr...	26.547	155	3754	3.220	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N06.D
 Acq On : 13 Oct 2020 12:40 am
 Operator : VOA126:JC
 Sample : I8260STD4.0PPB
 Misc : WG1421526,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:14:06 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.010	180	46933	3.947	ug/L	99
123)	Nitrobenzene	26.737	77	784M1	2.848	ug/L	
124)	Hexachlorobutadiene	28.471	225	23272	3.806	ug/L	99
125)	1,2,4-Trichlorobenzene	28.212	180	41379	3.809	ug/L	99
126)	Naphthalene	28.666	128	77558	3.599	ug/L	100
127)	1,2,3-Trichlorobenzene	29.099	180	36842	3.755	ug/L	99

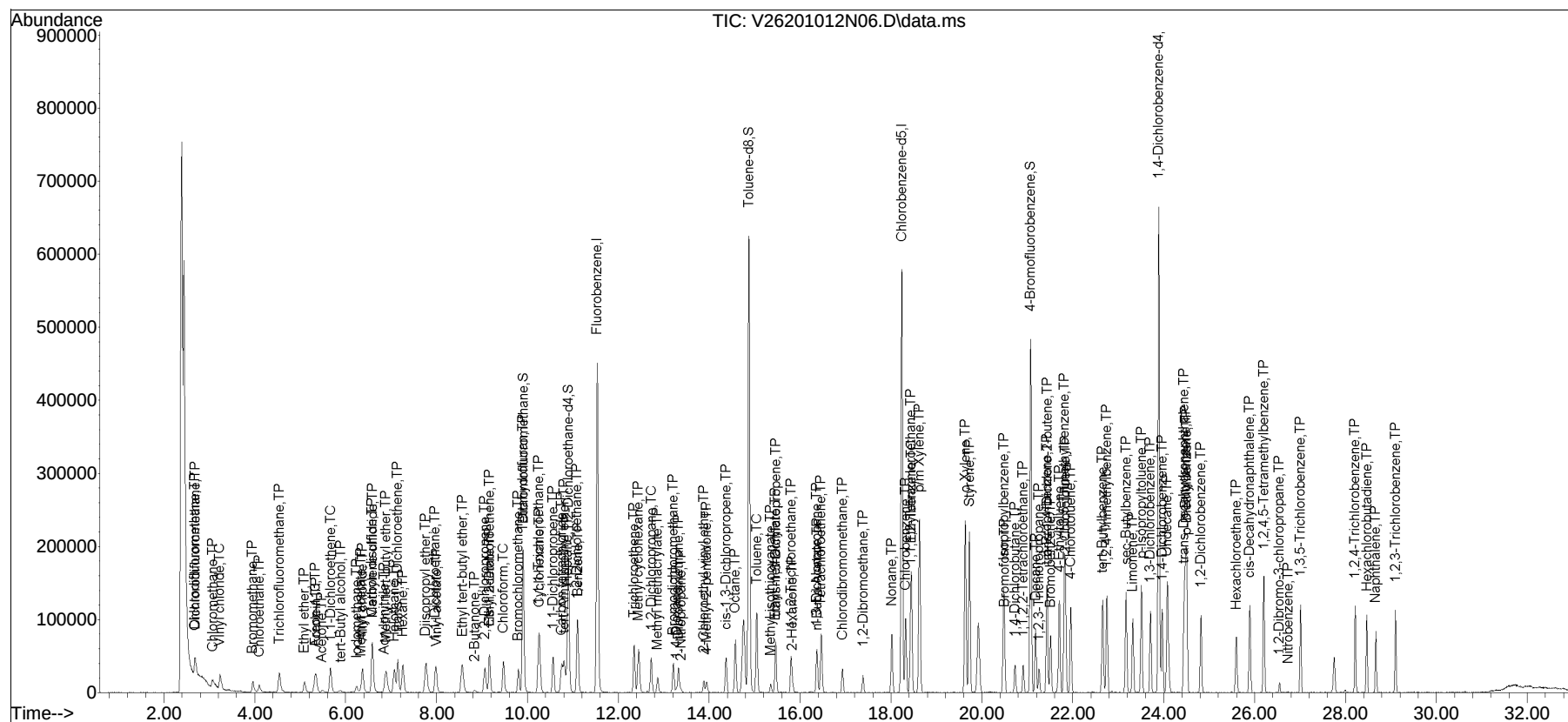
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
Data File : V26201012N06.D
Acq On : 13 Oct 2020 12:40 am
Operator : VOA126:JC
Sample : I8260STD4.0PPB
Misc : WG1421526,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:14:06 2020
Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 10:56:23 2020
Response via : Initial Calibration

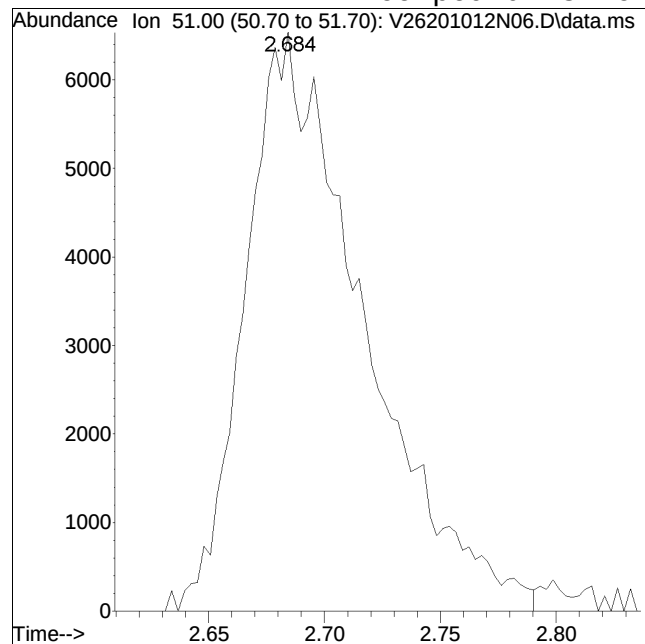
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01012N08.D•



Manual Integration Report

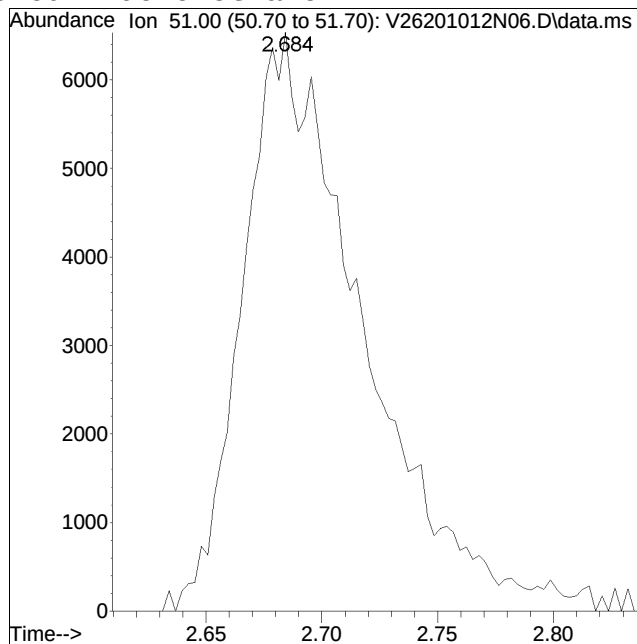
Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #3: Chlorodifluoromethane



Original Peak Response = 23162

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

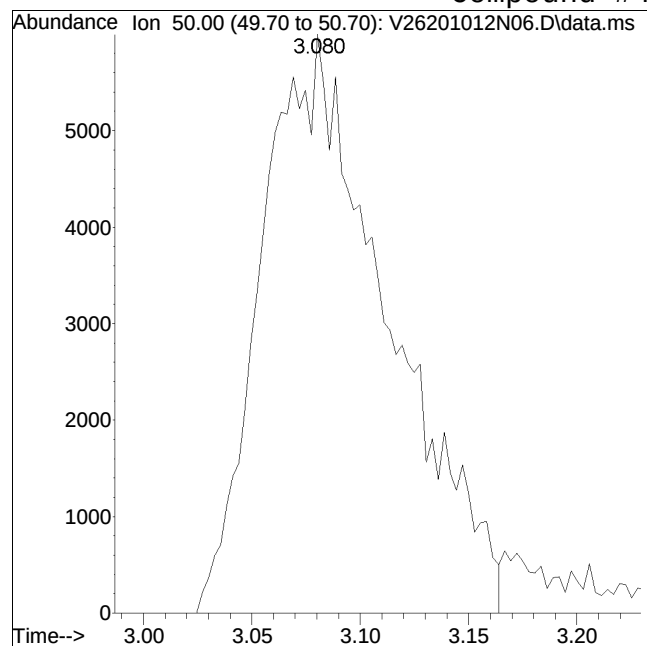


Manual Peak Response = 23483 M1

Manual Integration Report

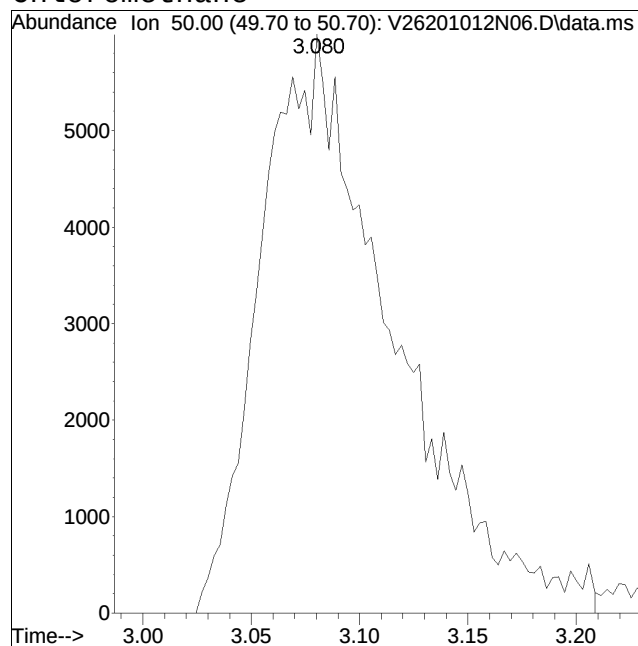
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #4: Chloromethane



Original Peak Response = 24197

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

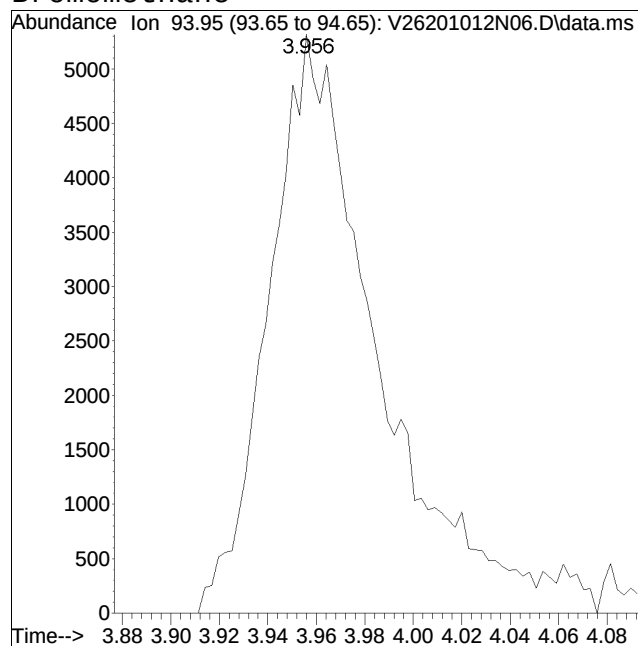
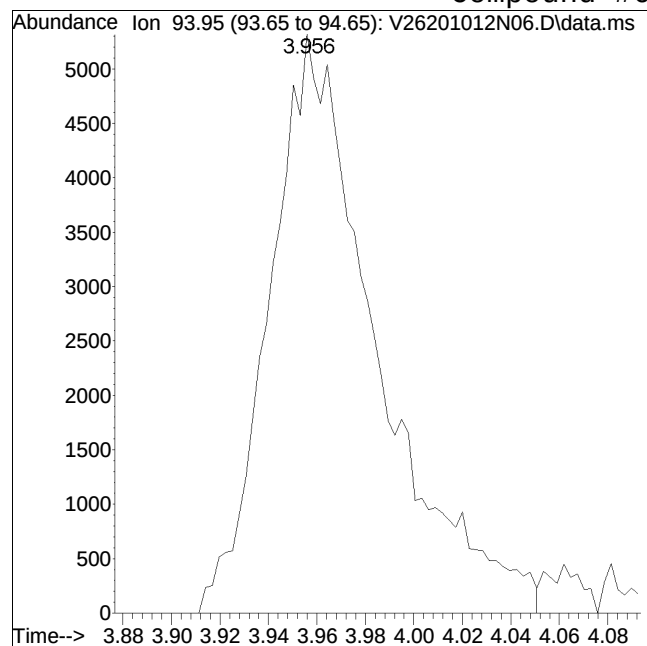


Manual Peak Response = 25304 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #6: Bromomethane



Original Peak Response = 16216

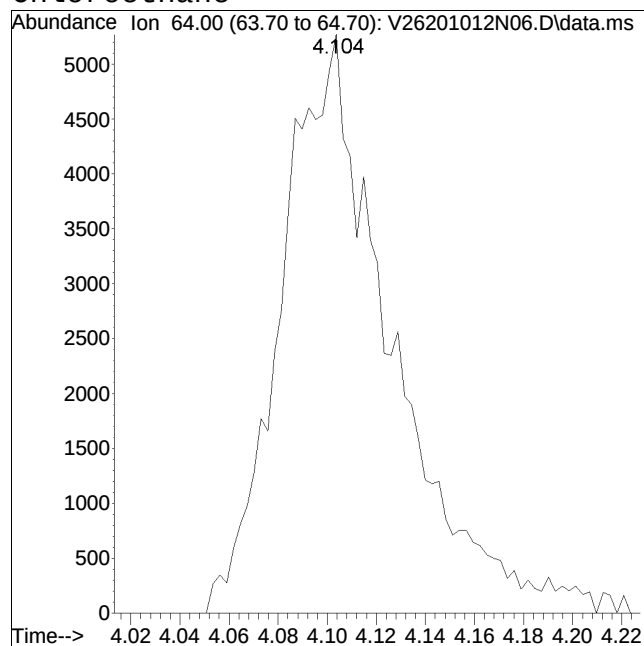
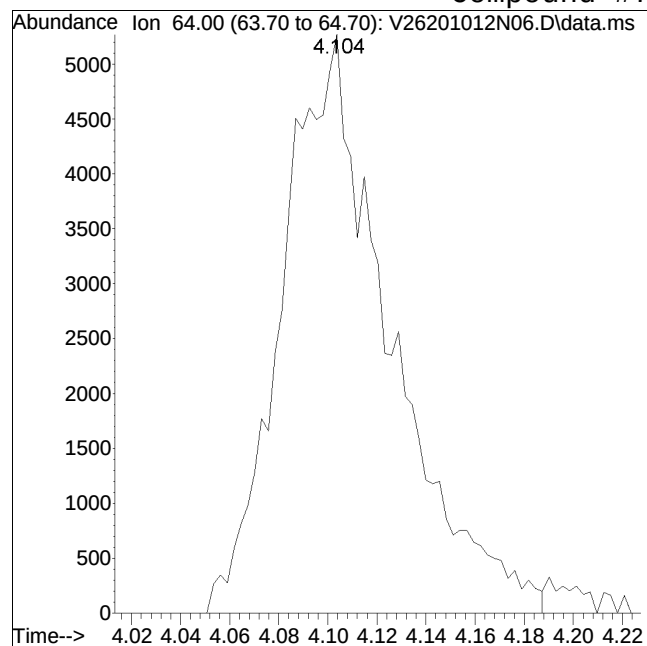
Manual Peak Response = 16644 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #7: Chloroethane



Original Peak Response = 16036

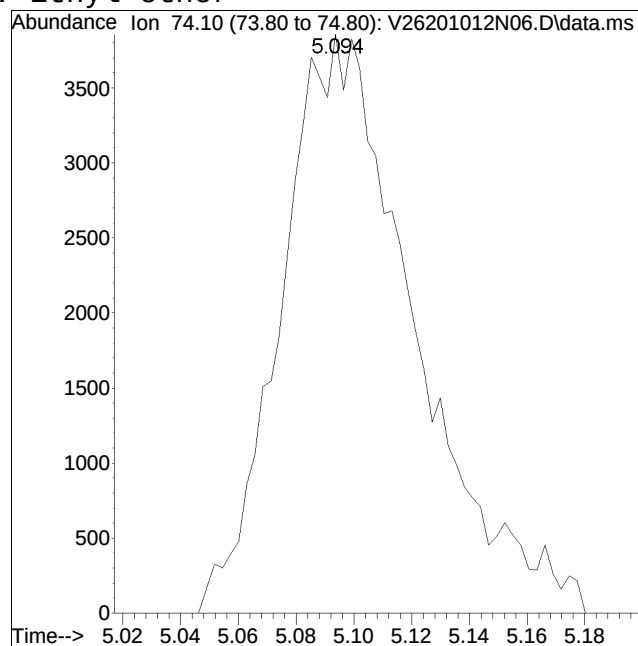
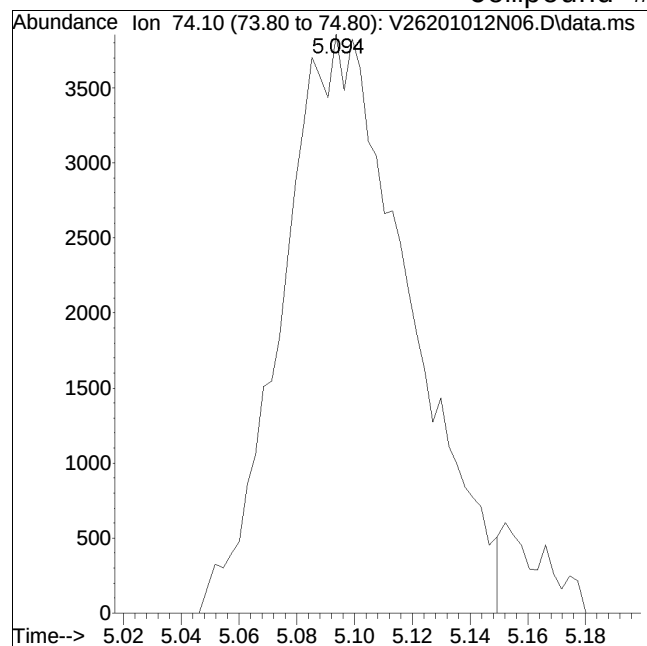
Manual Peak Response = 16298 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #9: Ethyl ether



Original Peak Response = 11748

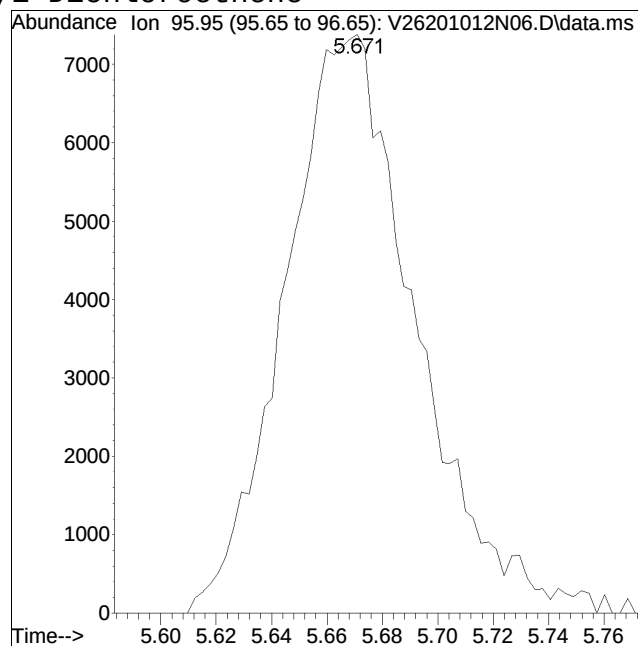
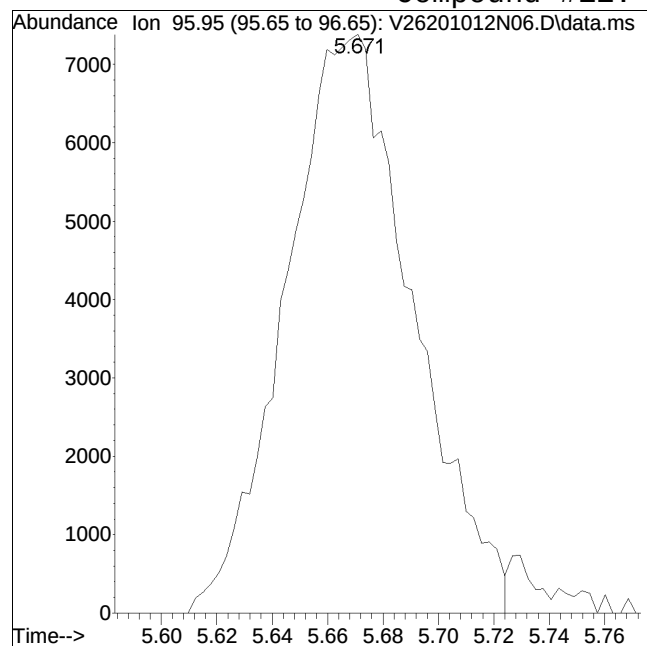
Manual Peak Response = 12333 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #11: 1,1-Dichloroethene



Original Peak Response = 23403

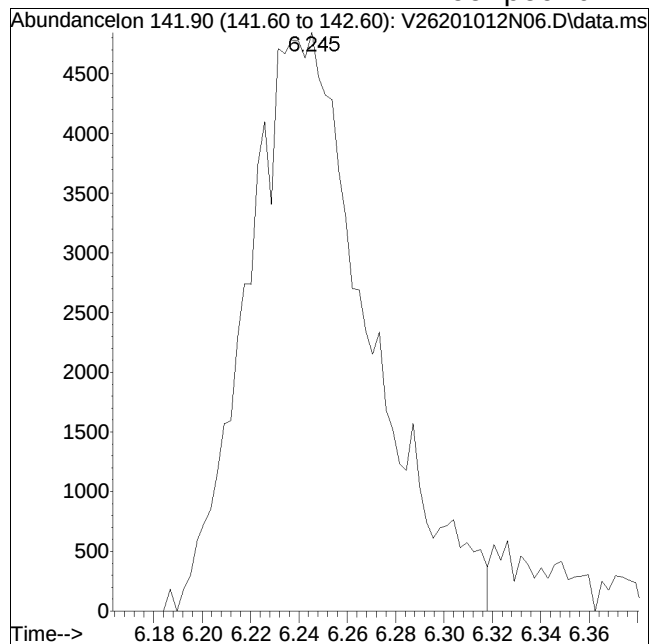
Manual Peak Response = 24076 M1

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

Manual Integration Report

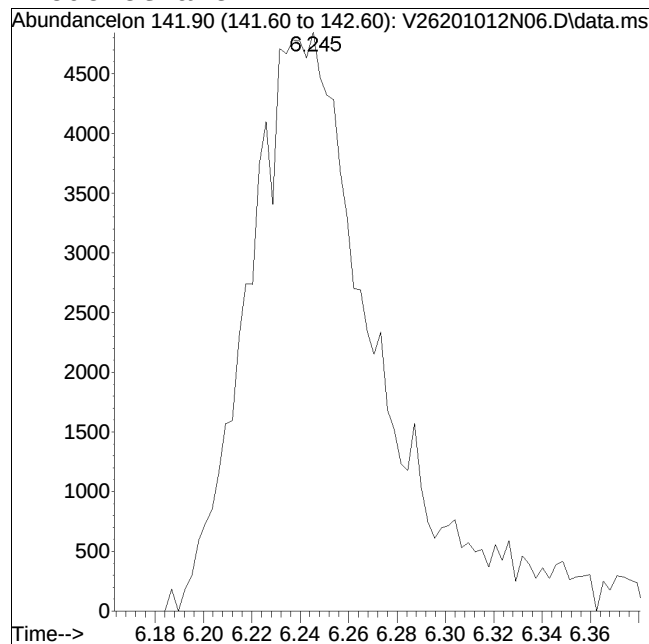
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #14: Iodomethane



Original Peak Response = 16922

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

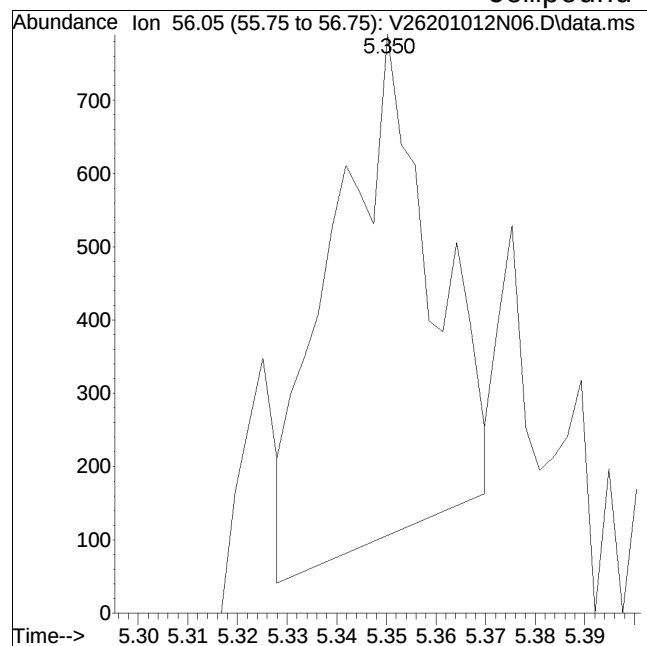


Manual Peak Response = 17819 M1

Manual Integration Report

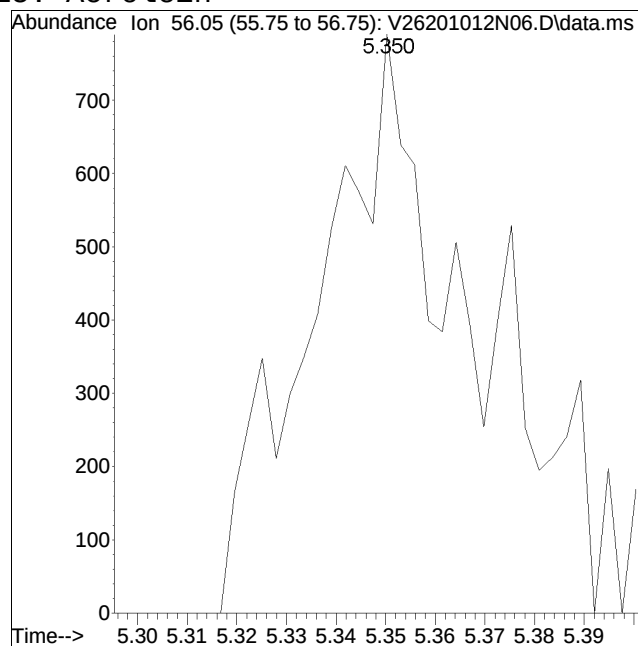
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #15: Acrolein



Original Peak Response = 961

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

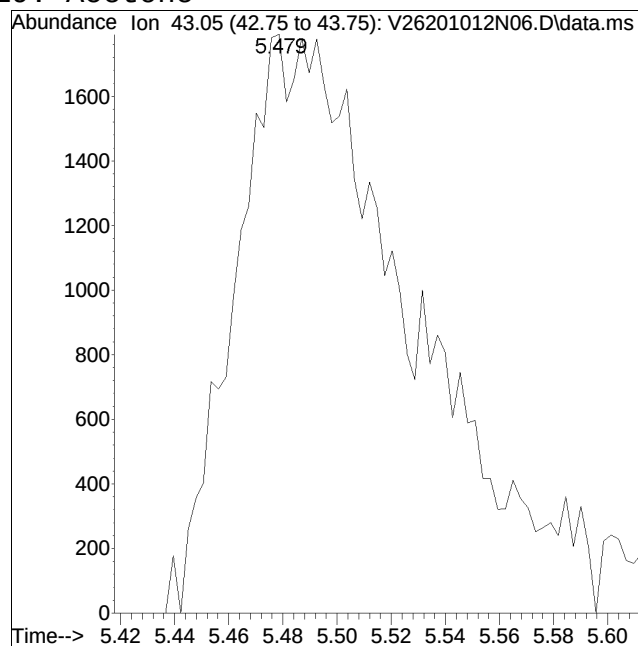
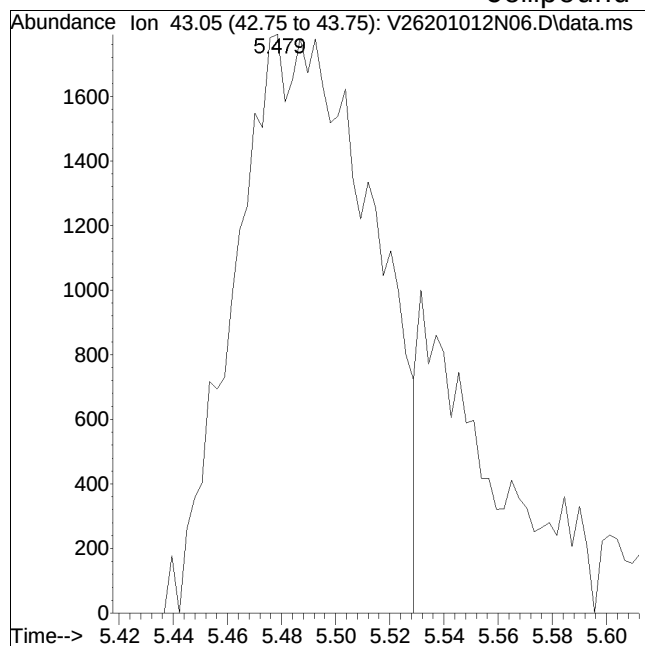


Manual Peak Response = 1741 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #19: Acetone



Original Peak Response = 6360

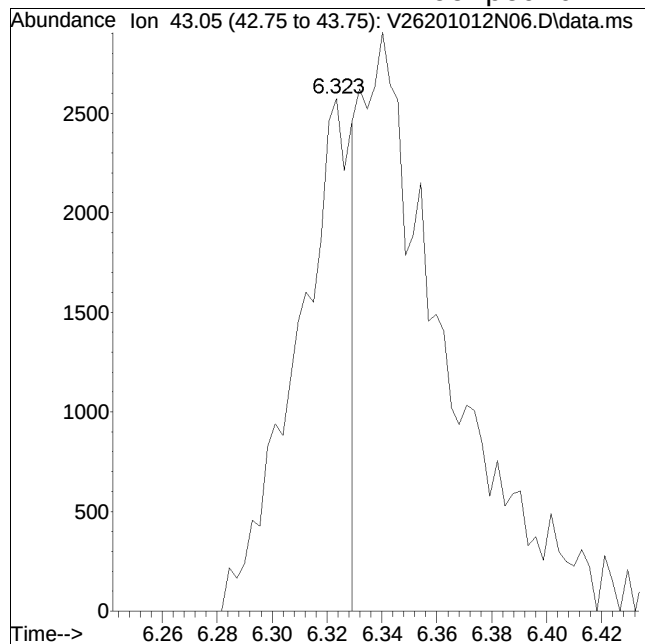
Manual Peak Response = 8119 M1

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

Manual Integration Report

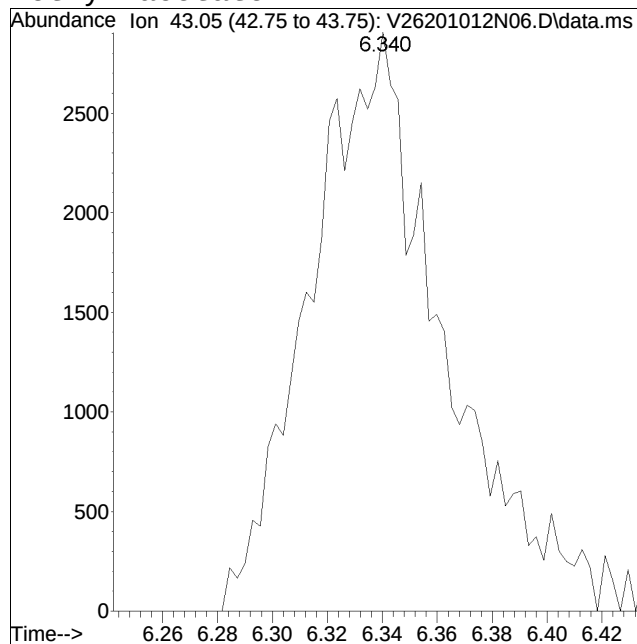
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #21: Methyl acetate



Original Peak Response = 3597

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

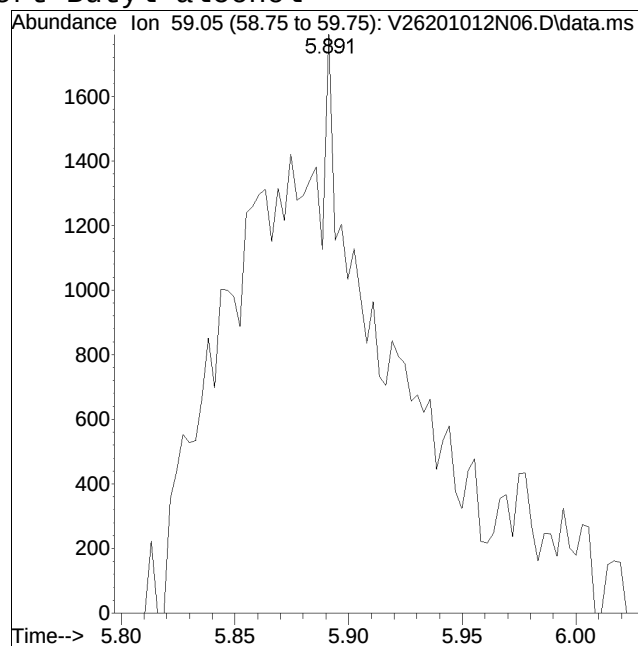
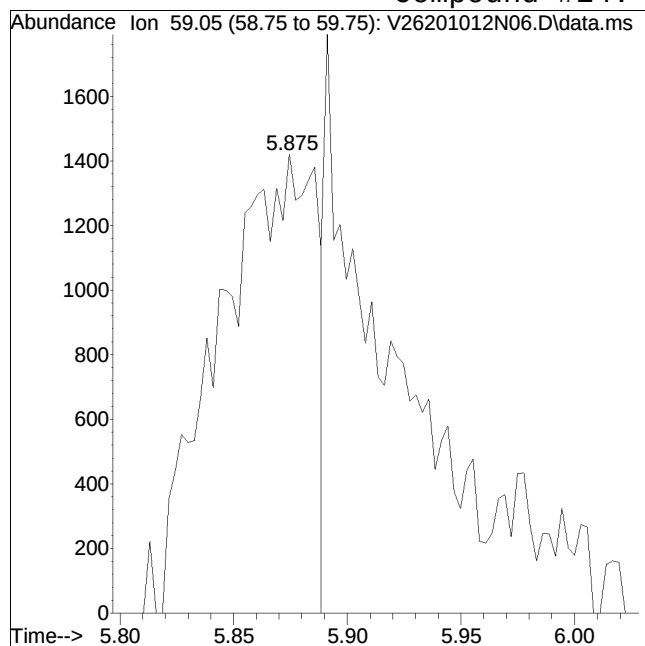


Manual Peak Response = 9740 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 4203

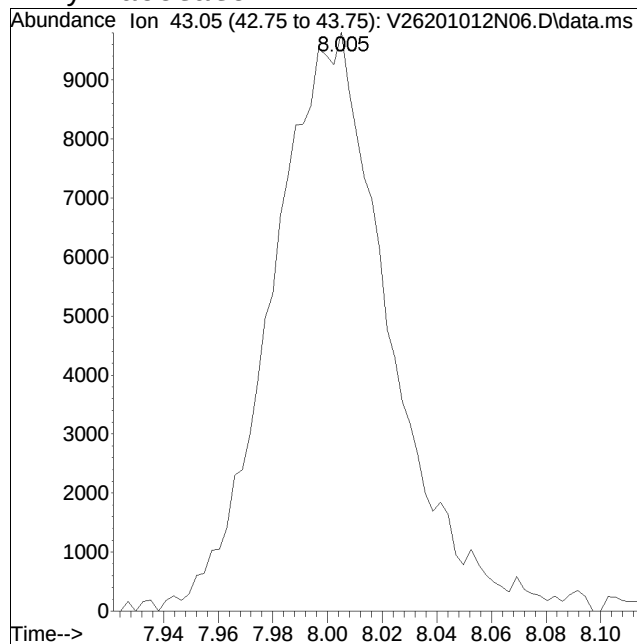
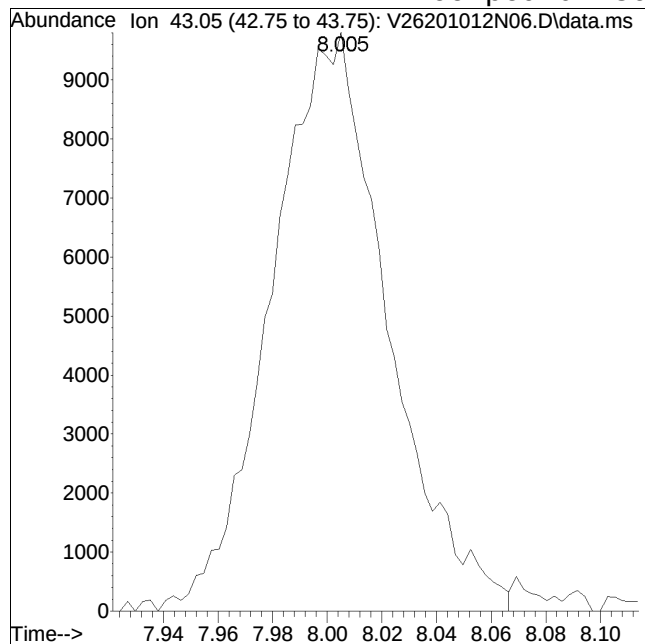
Manual Peak Response = 8150 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #30: Vinyl acetate



Original Peak Response = 28973

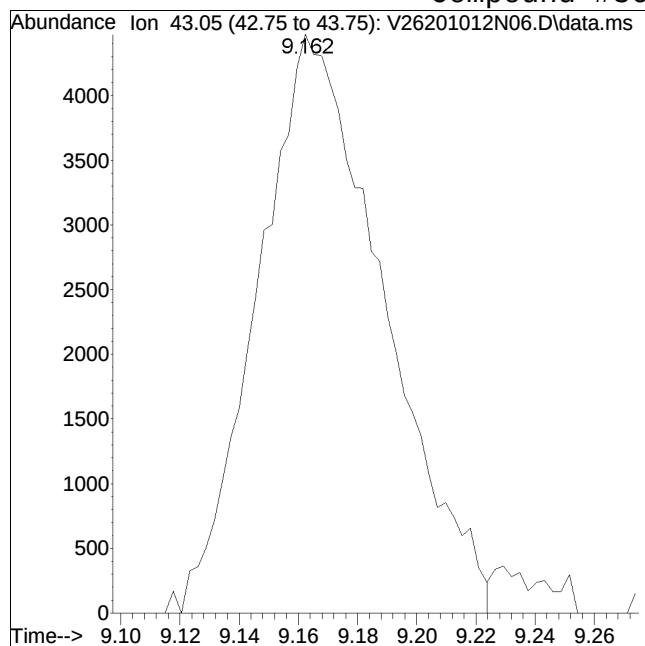
Manual Peak Response = 29471 M1

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

Manual Integration Report

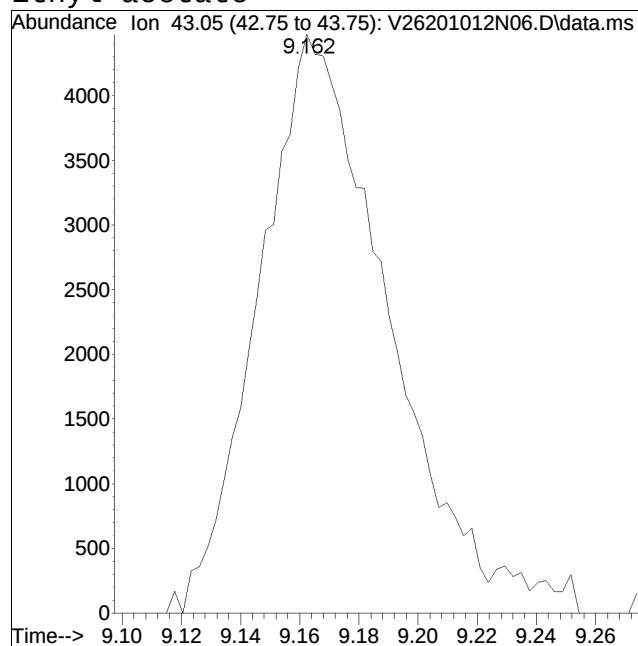
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #36: Ethyl acetate



Original Peak Response = 13202

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

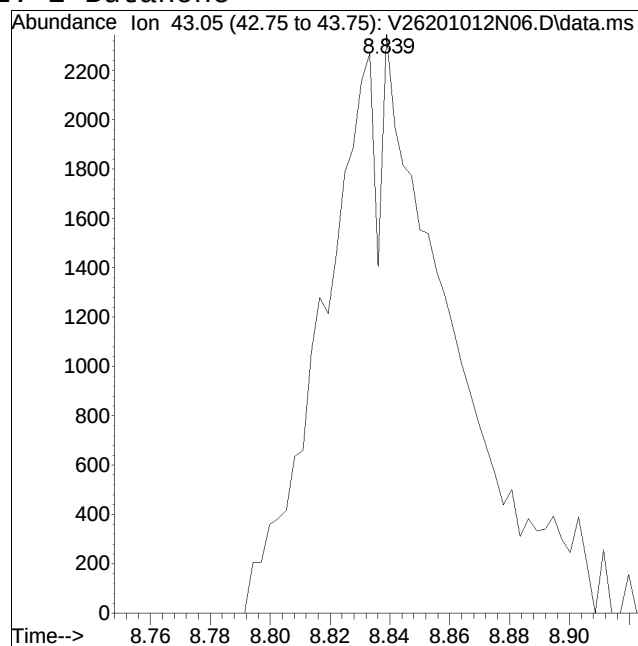
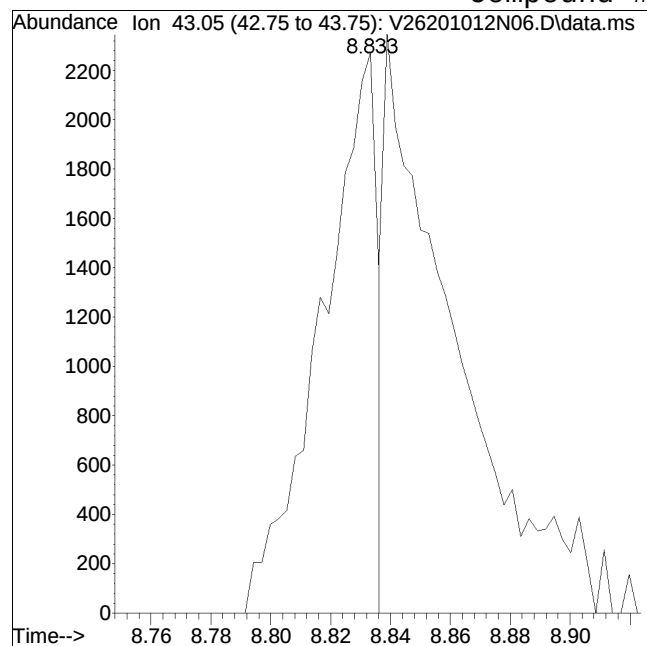


Manual Peak Response = 13607 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #42: 2-Butanone



Original Peak Response = 2909

Manual Peak Response = 6687 M1

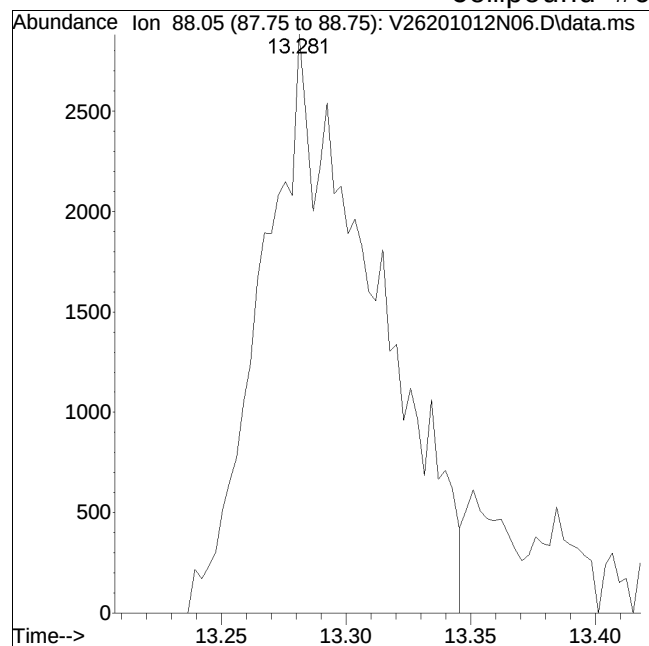
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20
Data File : V26201012N06.D
Date Inj'd : 10/13/2020 12:40 am
Sample : I8260STD4.0PPB

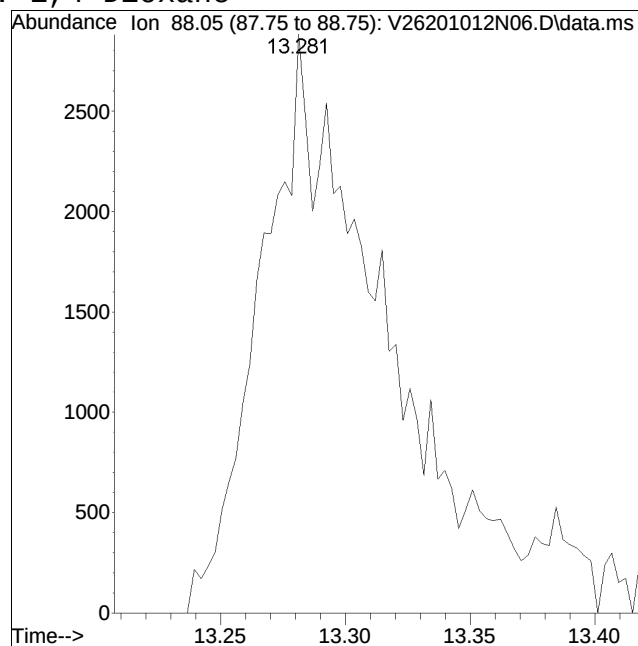
Method : V126_201012N_8260Suff.m
Operator : VOA126:JC
Instrument : VOA126
Quant Date : 10/13/2020 10:57 am

Compound #61: 1,4-Dioxane



Original Peak Response = 8993

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

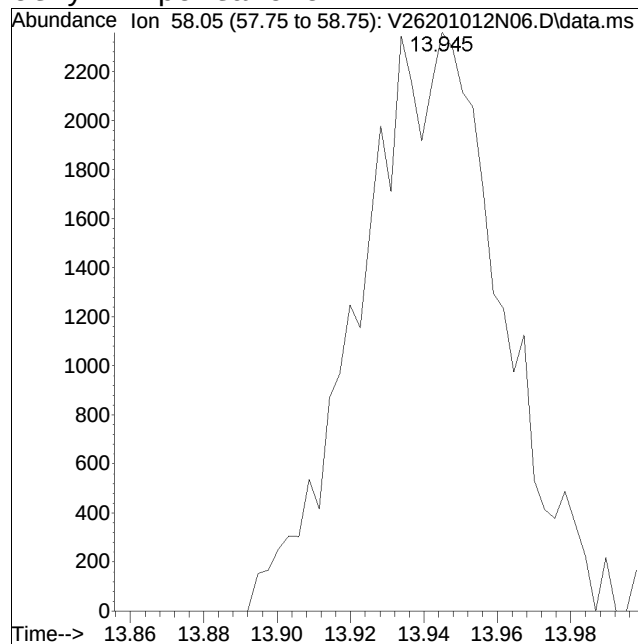
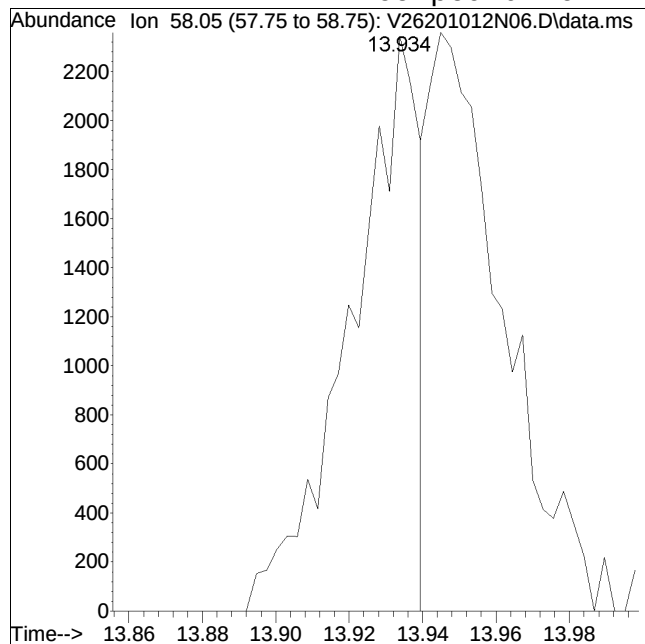


Manual Peak Response = 10243 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #67: 4-Methyl-2-pentanone



Original Peak Response = 3023

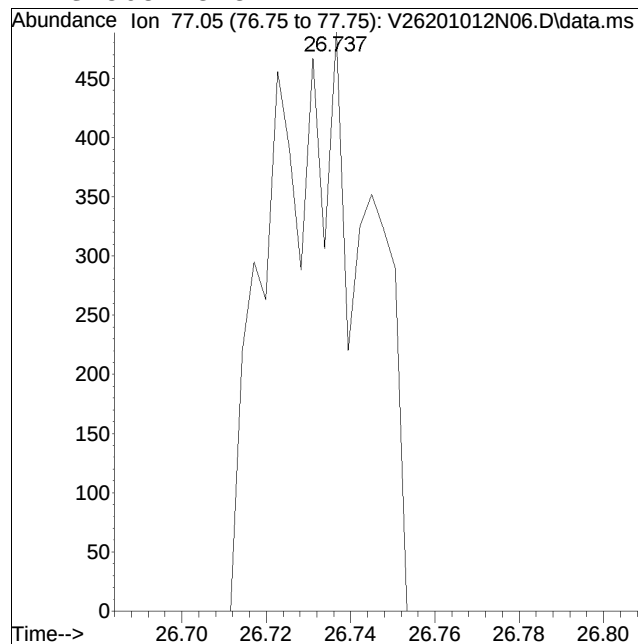
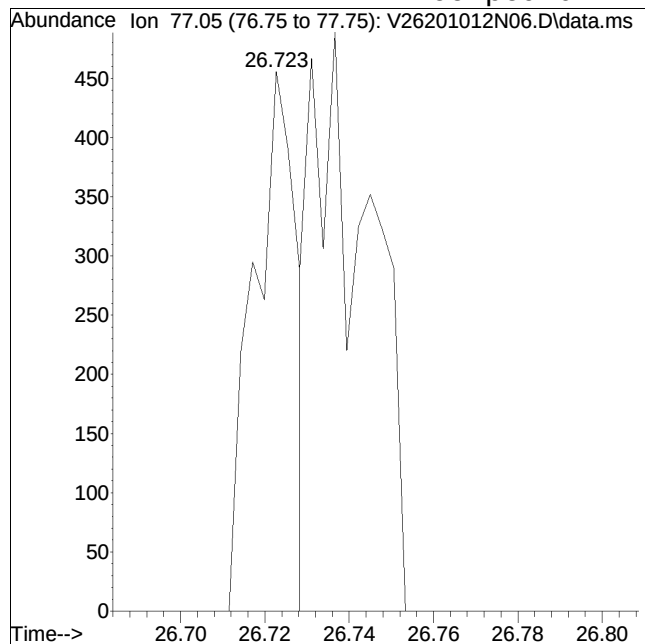
Manual Peak Response = 6323 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N06.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 12:40 am Instrument : VOA126
Sample : I8260STD4.0PPB Quant Date : 10/13/2020 10:57 am

Compound #123: Nitrobenzene



Original Peak Response = 320

Manual Peak Response = 784 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N07.D
 Acq On : 13 Oct 2020 01:20 am
 Operator : VOA126:JC
 Sample : I8260STD20PPB
 Misc : WG1421526,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 11:16:08 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.538	96	647282	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	99.91%	
63) Chlorobenzene-d5	18.236	117	510244	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	99.78%	
88) 1,4-Dichlorobenzene-d4	23.892	152	275167	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	97.92%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.901	113	168777	19.977	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.89%	
47) 1,2-Dichloroethane-d4	10.902	65	144016	19.962	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.81%	
65) Toluene-d8	14.873	98	649433	20.103	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.52%	
92) 4-Bromofluorobenzene	21.070	95	243640	20.466	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.33%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.692	85	127084	19.280	ug/L	94
3) Chlorodifluoromethane	2.684	51	106988	20.119	ug/L #	91
4) Chloromethane	3.071	50	113612	21.499	ug/L	98
5) Vinyl chloride	3.239	62	160142	20.555	ug/L	98
6) Bromomethane	3.958	94	81429	20.294	ug/L	95
7) Chloroethane	4.103	64	80163	20.403	ug/L	97
8) Trichlorofluoromethane	4.544	101	206860	20.067	ug/L	96
9) Ethyl ether	5.090	74	63983	20.323	ug/L	79
11) 1,1-Dichloroethene	5.662	96	122916	20.635	ug/L	83
12) Carbon disulfide	6.582	76	336685	21.653	ug/L	100
13) Freon-113	5.339	101	120473	19.916	ug/L	99
14) Iodomethane	6.239	142	101667	17.719	ug/L	95
15) Acrolein	5.347	56	10882M1	20.205	ug/L	
16) Allyl chloride	6.376	76	78333	20.106	ug/L #	56
17) Methylene chloride	6.588	84	141846	21.085	ug/L	80
19) Acetone	5.484	43	25267M1	25.267	ug/L	
20) trans-1,2-Dichloroethene	7.146	96	147463	20.809	ug/L	86
21) Methyl acetate	6.323	43	51514	20.681	ug/L #	89
22) Hexane	7.257	57	164906	19.243	ug/L	97
23) Methyl tert-butyl ether	6.884	73	325619	20.182	ug/L	89
24) tert-Butyl alcohol	5.866	59	52069M1	106.731	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N07.D
 Acq On : 13 Oct 2020 01:20 am
 Operator : VOA126:JC
 Sample : I8260STD20PPB
 Misc : WG1421526,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 11:16:08 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Diisopropyl ether	7.762	45	319786	20.595	ug/L	# 90
26) 1,1-Dichloroethane	7.980	63	222613	20.756	ug/L	97
27) Halothane	7.070	117	115189	20.269	ug/L	100
28) Acrylonitrile	6.853	53	27101	20.003	ug/L	96
29) Ethyl tert-butyl ether	8.560	59	334794	20.441	ug/L	91
30) Vinyl acetate	7.996	43	164831	20.195	ug/L	# 88
31) cis-1,2-Dichloroethene	9.168	96	162718	20.772	ug/L	84
32) 2,2-Dichloropropane	9.064	77	202030	20.269	ug/L	86
33) Bromochloromethane	9.801	128	73287	20.997	ug/L	# 78
34) Cyclohexane	10.263	56	178323	19.804	ug/L	71
35) Chloroform	9.472	83	263835	20.751	ug/L	96
36) Ethyl acetate	9.159	43	72016	20.229	ug/L	# 93
37) Carbon tetrachloride	10.752	117	213400	20.096	ug/L	100
38) Tetrahydrofuran	9.890	42	21931M1	20.177	ug/L	
40) 1,1,1-Trichloroethane	10.252	97	235173	20.704	ug/L	95
42) 2-Butanone	8.836	43	32747	20.637	ug/L	# 79
43) 1,1-Dichloropropene	10.567	75	192200	20.575	ug/L	98
44) Heptane	10.883	71	133378	19.606	ug/L	# 82
45) Benzene	11.106	78	568947	20.783	ug/L	92
46) tert-Amyl methyl ether	10.805	73	338304	20.191	ug/L	96
48) 1,2-Dichloroethane	11.092	62	165183	20.875	ug/L	99
51) Methyl cyclohexane	12.450	83	223359	19.595	ug/L	# 78
52) Trichloroethene	12.352	95	160574	20.828	ug/L	99
54) Dibromomethane	13.325	93	84667	21.040	ug/L	97
55) 1,2-Dichloropropane	12.726	63	132407	20.863	ug/L	94
57) 2-Chloroethyl vinyl ether	13.875	63	53810	19.855	ug/L	# 85
58) Bromodichloromethane	13.214	83	203948	20.549	ug/L	100
60) Methyl methacrylate	12.865	69	77160	20.037	ug/L	# 71
61) 1,4-Dioxane	13.278	88	72255M1	1077.592	ug/L	
62) cis-1,3-Dichloropropene	14.371	75	224170	20.263	ug/L	# 87
64) Octane	14.578	85	142815	19.756	ug/L	# 85
66) Toluene	15.046	92	381349	20.766	ug/L	96
67) 4-Methyl-2-pentanone	13.942	58	35979	20.778	ug/L	# 78
68) Tetrachloroethene	16.466	166	180555	20.854	ug/L	100
69) 2-Nitropropane	13.381	41	20598	20.277	ug/L	# 93
71) trans-1,3-Dichloropropene	15.467	75	195297	20.431	ug/L	# 81
72) Methyl isothiocyanate	15.353	73	70891	19.811	ug/L	# 95
74) Ethyl methacrylate	15.453	69	147901	19.848	ug/L	97
75) 1,1,2-Trichloroethane	15.805	83	99028	20.684	ug/L	99
76) Chlorodibromomethane	16.928	129	148467	20.044	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N07.D
 Acq On : 13 Oct 2020 01:20 am
 Operator : VOA126:JC
 Sample : I8260STD20PPB
 Misc : WG1421526,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 11:16:08 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	1,3-Dichloropropane	16.362	76	194761	20.508	ug/L	100
78)	1,2-Dibromoethane	17.383	107	117298	20.661	ug/L	100
79)	n-Butyl Acetate	16.374	43	142086	19.992	ug/L #	91
80)	2-Hexanone	15.830	43	57357	20.271	ug/L	91
81)	Nonane	18.019	57	201347	19.537	ug/L #	83
82)	Chlorobenzene	18.326	112	437549	20.670	ug/L	97
83)	Ethylbenzene	18.448	91	744092	20.827	ug/L	98
84)	1,1,1,2-Tetrachloroethane	18.429	131	158128	20.120	ug/L	99
85)	p/m Xylene	18.630	106	591681	41.528	ug/L	91
86)	o Xylene	19.633	106	551001	41.392	ug/L	90
87)	Styrene	19.725	104	921182	41.071	ug/L	93
89)	Bromoform	20.501	173	91977	19.740	ug/L	100
91)	Isopropylbenzene	20.478	105	760187	21.080	ug/L	98
93)	Bromobenzene	21.510	156	191097	20.957	ug/L	100
94)	Decane	21.181	57	232495	19.354	ug/L #	85
95)	n-Propylbenzene	21.429	91	902324	21.228	ug/L	98
96)	1,4-Dichlorobutane	20.727	55	150815	21.049	ug/L	97
97)	1,1,2,2-Tetrachloroethane	20.911	83	146038	21.028	ug/L	100
98)	4-Ethyltoluene	21.705	105	741952	21.017	ug/L	98
99)	2-Chlorotoluene	21.839	91	591728	21.278	ug/L	100
100)	1,3,5-Trimethylbenzene	21.817	105	644638	21.080	ug/L	98
101)	1,2,3-Trichloropropane	21.256	75	106075	21.202	ug/L	95
102)	trans-1,4-Dichloro-2-b...	21.443	53	33390	20.596	ug/L #	83
103)	4-Chlorotoluene	21.959	91	540848	21.293	ug/L	100
104)	tert-Butylbenzene	22.656	119	560298	21.090	ug/L	99
107)	1,2,4-Trimethylbenzene	22.748	105	631366	21.140	ug/L	98
108)	Limonene	23.320	68	203766	20.175	ug/L	91
109)	sec-Butylbenzene	23.172	105	839668	21.031	ug/L	99
110)	p-Isopropyltoluene	23.510	119	725678	21.049	ug/L	99
111)	1,3-Dichlorobenzene	23.708	146	379309	21.101	ug/L	99
112)	1,4-Dichlorobenzene	23.967	146	373281	21.017	ug/L	99
113)	trans-Decahydronaphtha...	24.452	138	192552	20.140	ug/L	90
114)	Undecane	24.079	57	222598	19.912	ug/L #	83
115)	p-Diethylbenzene	24.505	119	437040	21.216	ug/L	99
116)	n-Butylbenzene	24.480	91	782533	21.150	ug/L	98
117)	Hexachloroethane	25.598	117	133682	19.643	ug/L	90
118)	1,2-Dichlorobenzene	24.820	146	346831	21.034	ug/L	99
119)	cis-Decahydronaphthalene	25.897	138	150957	20.211	ug/L	89
120)	1,2,4,5-Tetramethylben...	26.204	119	637577	20.605	ug/L	97
121)	1,2-Dibromo-3-chloropr...	26.552	155	24451	19.898	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N07.D
 Acq On : 13 Oct 2020 01:20 am
 Operator : VOA126:JC
 Sample : I8260STD20PPB
 Misc : WG1421526,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 11:16:08 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.010	180	262382	20.935	ug/L	98
123)	Nitrobenzene	26.733	77	5332	18.376	ug/L	97
124)	Hexachlorobutadiene	28.468	225	131975	20.477	ug/L	99
125)	1,2,4-Trichlorobenzene	28.214	180	238261	20.804	ug/L	98
126)	Naphthalene	28.669	128	458616	20.192	ug/L	100
127)	1,2,3-Trichlorobenzene	29.101	180	214670	20.758	ug/L	99

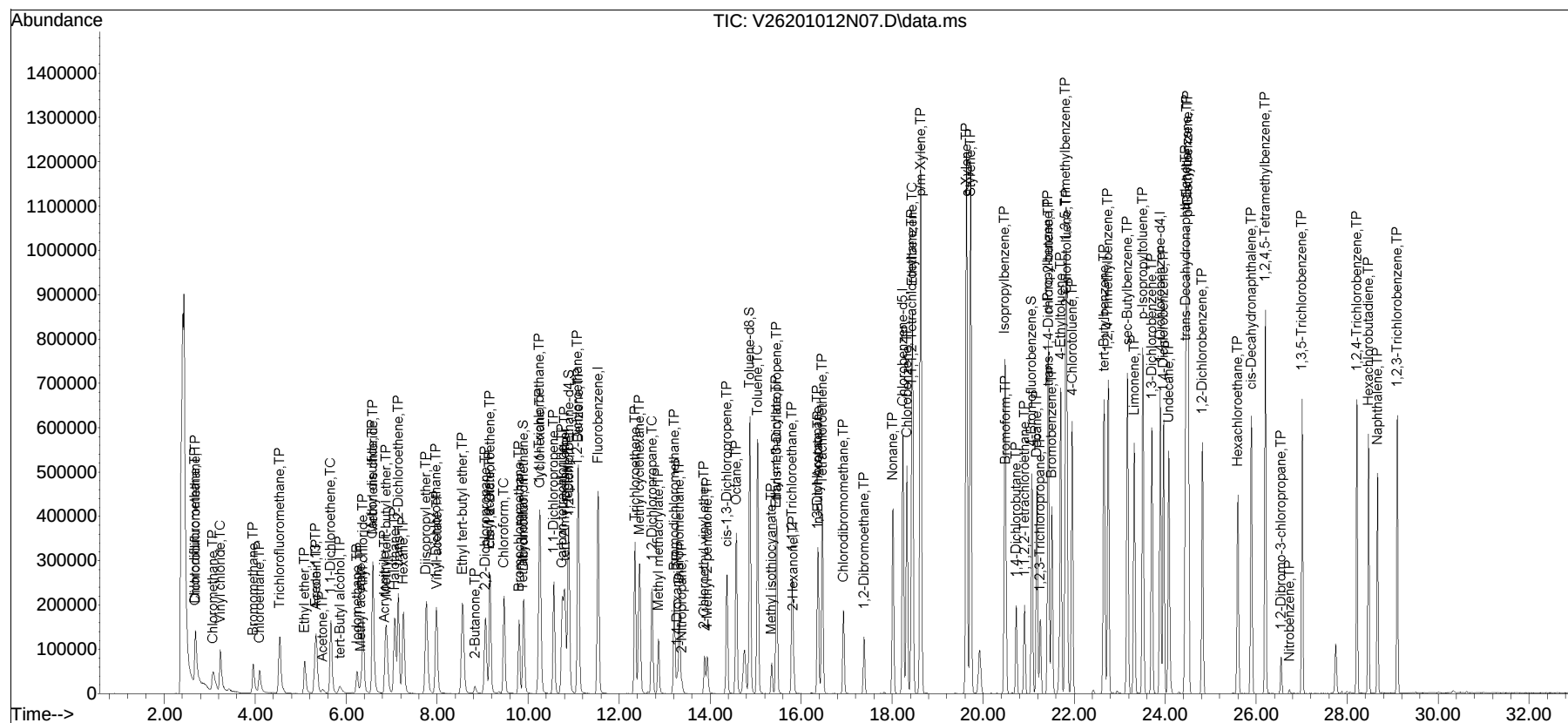
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
Data File : V26201012N07.D
Acq On : 13 Oct 2020 01:20 am
Operator : VOA126:JC
Sample : I8260STD20PPB
Misc : WG1421526,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 11:16:08 2020
Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 10:56:23 2020
Response via : Initial Calibration

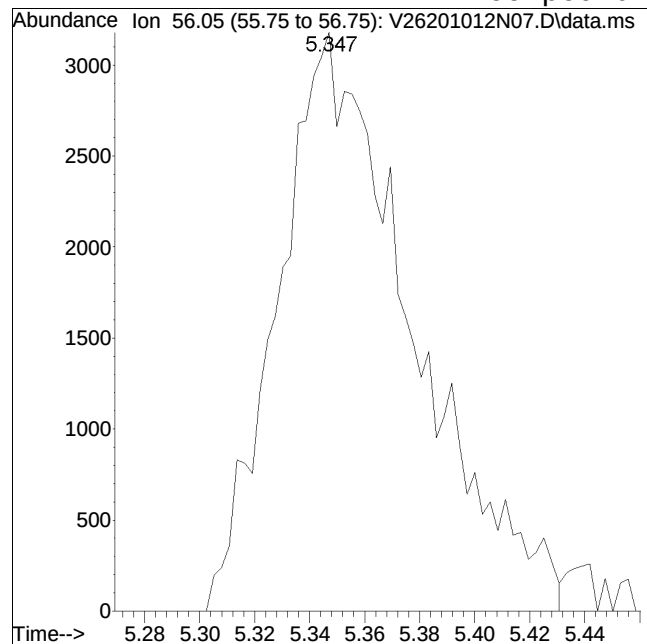
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01012N08.D•



Manual Integration Report

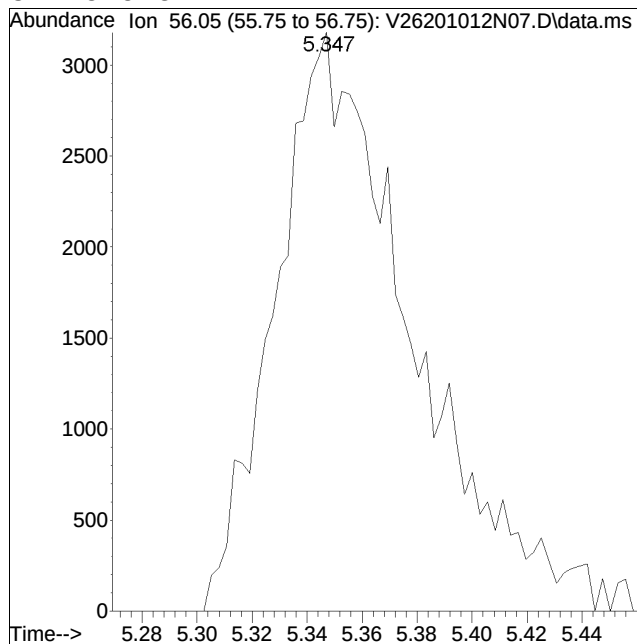
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N07.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 1:20 am Instrument : VOA126
Sample : I8260STD20PPB Quant Date : 10/13/2020 10:57 am

Compound #15: Acrolein



Original Peak Response = 10722

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

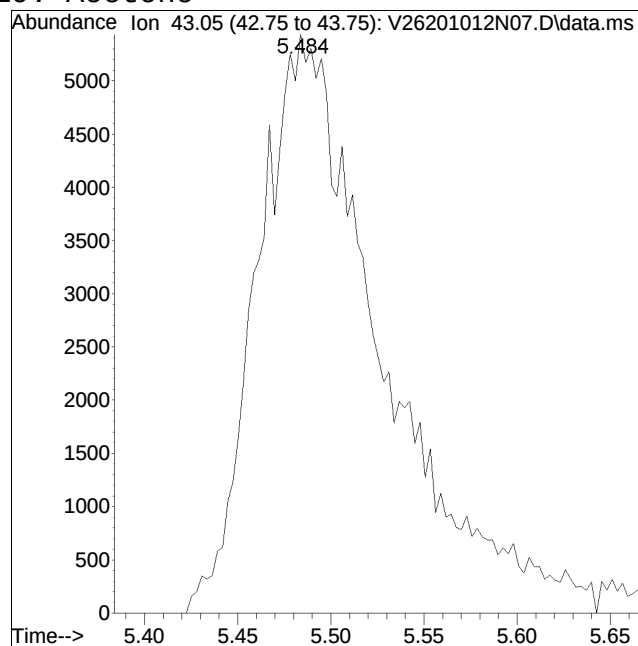
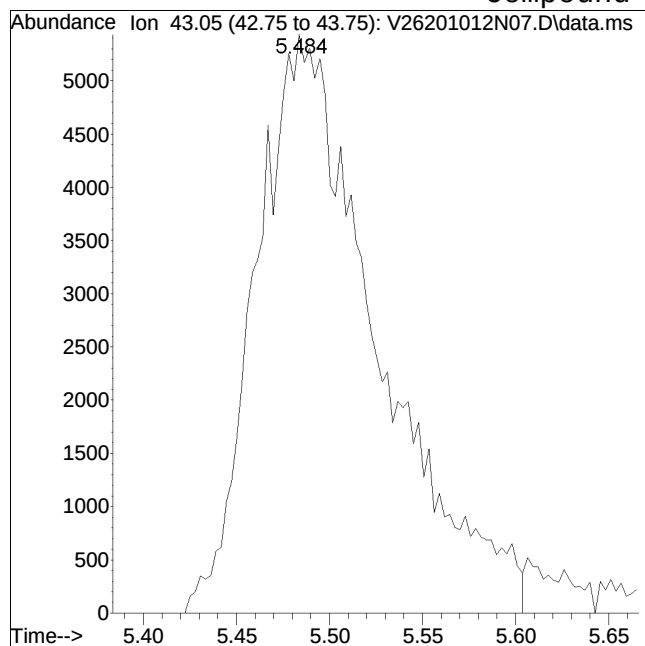


Manual Peak Response = 10882 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N07.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 1:20 am Instrument : VOA126
Sample : I8260STD20PPB Quant Date : 10/13/2020 10:57 am

Compound #19: Acetone



Original Peak Response = 24531

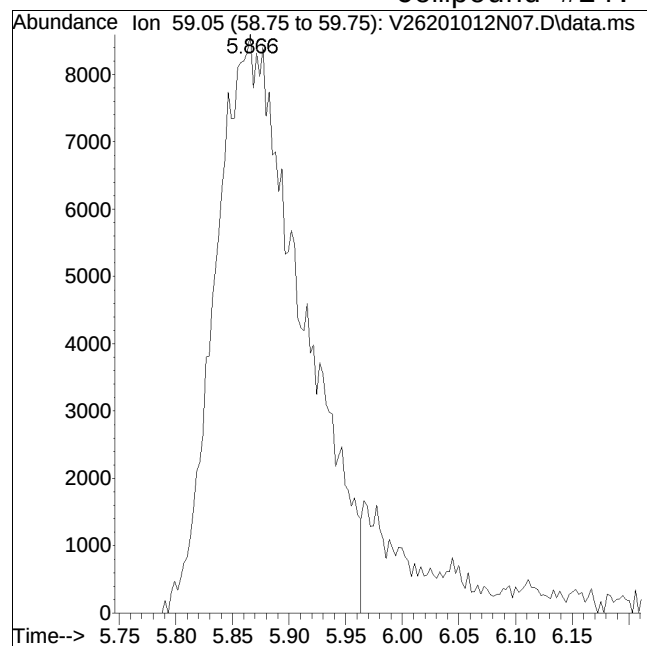
Manual Peak Response = 25267 M1

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

Manual Integration Report

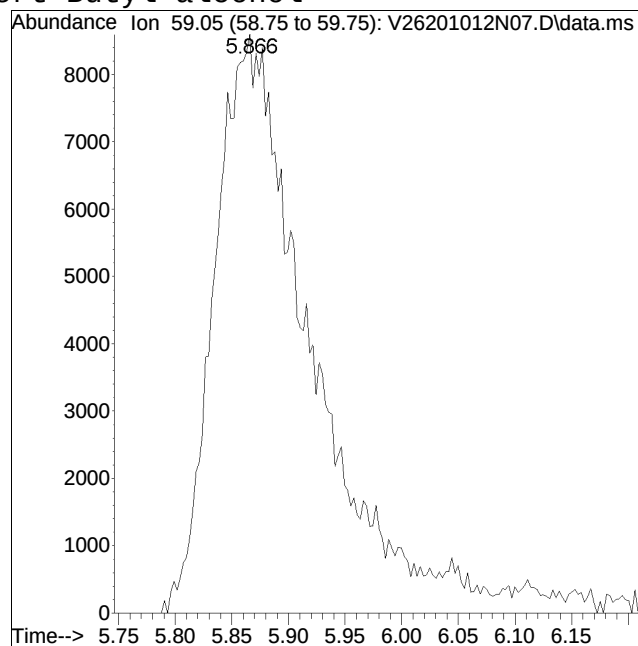
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N07.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 1:20 am Instrument : VOA126
Sample : I8260STD20PPB Quant Date : 10/13/2020 10:57 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 45295

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

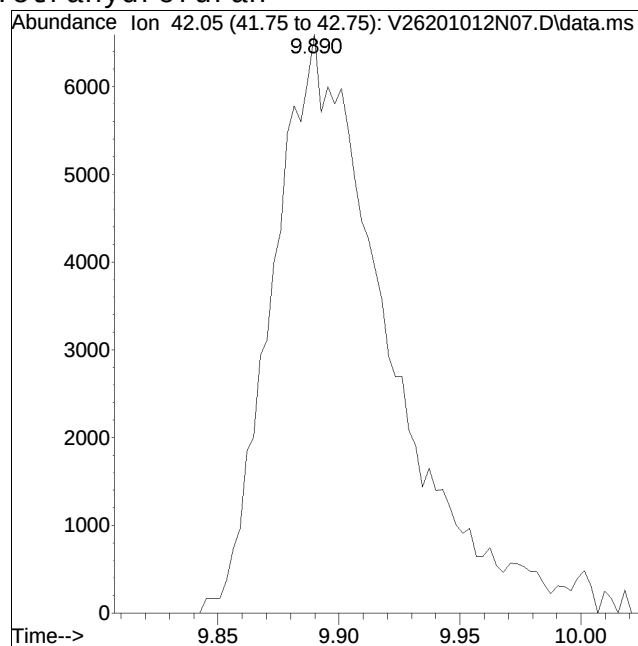
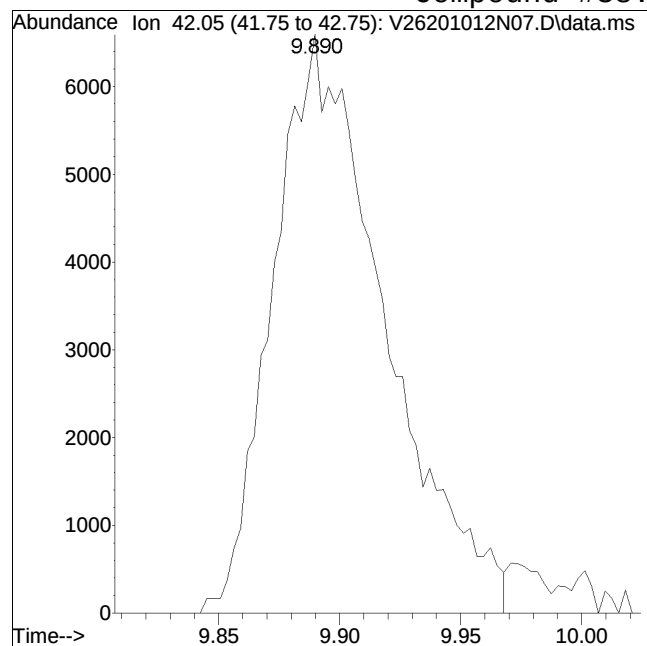


Manual Peak Response = 52069 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N07.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 1:20 am Instrument : VOA126
Sample : I8260STD20PPB Quant Date : 10/13/2020 10:57 am

Compound #38: Tetrahydrofuran



Original Peak Response = 21056

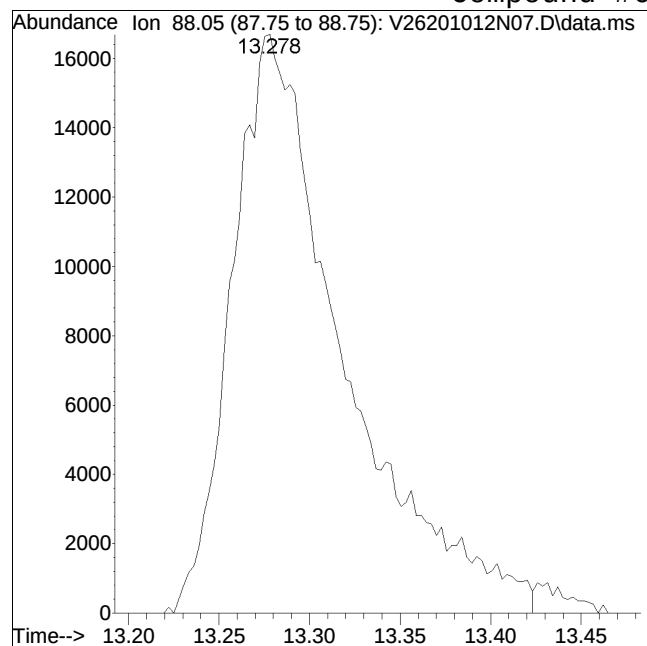
Manual Peak Response = 21931 M1

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

Manual Integration Report

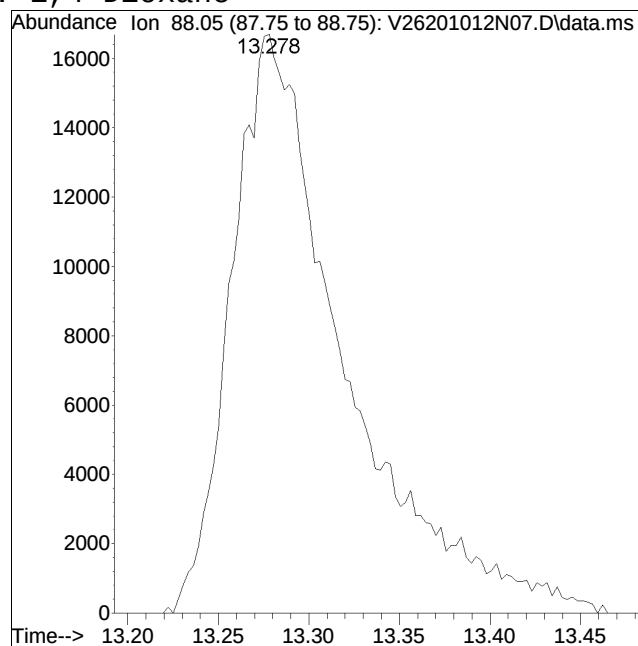
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N07.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 1:20 am Instrument : VOA126
Sample : I8260STD20PPB Quant Date : 10/13/2020 10:57 am

Compound #61: 1,4-Dioxane



Original Peak Response = 71215

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



Manual Peak Response = 72255 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N08.D
 Acq On : 13 Oct 2020 01:59 am
 Operator : VOA126:JC
 Sample : I8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 10:56:48 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:26 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.535	96	647844	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	100.00%	
63) Chlorobenzene-d5	18.237	117	511378	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	100.00%	
88) 1,4-Dichlorobenzene-d4	23.892	152	281015	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	100.00%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.904	113	169122	20.000	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	100.00%	
47) 1,2-Dichloroethane-d4	10.902	65	144419	20.000	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	100.00%	
65) Toluene-d8	14.874	98	647528	20.000	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	100.00%	
92) 4-Bromofluorobenzene	21.073	95	243156	20.000	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	100.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.693	85	263894	40.000	ug/L	93
3) Chlorodifluoromethane	2.690	51	213792	40.168	ug/L #	90
4) Chloromethane	3.072	50	211569	40.000	ug/L	97
5) Vinyl chloride	3.234	62	312196	40.037	ug/L	98
6) Bromomethane	3.959	94	161689	40.261	ug/L	97
7) Chloroethane	4.098	64	157299	40.000	ug/L	100
8) Trichlorofluoromethane	4.544	101	412702	40.000	ug/L	98
9) Ethyl ether	5.088	74	126039	40.000	ug/L	78
11) 1,1-Dichloroethene	5.662	96	238472	40.000	ug/L	85
12) Carbon disulfide	6.583	76	622643	40.010	ug/L	99
13) Freon-113	5.333	101	242169	40.000	ug/L	98
14) Iodomethane	6.237	142	229709	40.000	ug/L	95
15) Acrolein	5.356	56	21562M1	40.000	ug/L	
16) Allyl chloride	6.374	76	155976	40.000	ug/L #	54
17) Methylene chloride	6.591	84	269324	40.000	ug/L	80
19) Acetone	5.484	43	40035	40.000	ug/L #	70
20) trans-1,2-Dichloroethene	7.149	96	283710	40.000	ug/L	86
21) Methyl acetate	6.326	43	99722	40.000	ug/L #	86
22) Hexane	7.258	57	343090	40.000	ug/L	96
23) Methyl tert-butyl ether	6.878	73	645911	40.000	ug/L	88
24) tert-Butyl alcohol	5.863	59	97655M1	200.000	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N08.D
 Acq On : 13 Oct 2020 01:59 am
 Operator : VOA126:JC
 Sample : I8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 10:56:48 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:26 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Diisopropyl ether	7.760	45	621621	40.000	ug/L	# 90
26) 1,1-Dichloroethane	7.974	63	429387	40.000	ug/L	97
27) Halothane	7.074	117	227515	40.000	ug/L	99
28) Acrylonitrile	6.856	53	54240	40.000	ug/L	96
29) Ethyl tert-butyl ether	8.560	59	655699	40.000	ug/L	92
30) Vinyl acetate	7.997	43	327353	40.073	ug/L	# 87
31) cis-1,2-Dichloroethene	9.165	96	313619	40.000	ug/L	84
32) 2,2-Dichloropropane	9.065	77	399036	40.000	ug/L	85
33) Bromochloromethane	9.801	128	139734	40.000	ug/L	# 78
34) Cyclohexane	10.261	56	360494	40.000	ug/L	73
35) Chloroform	9.475	83	509018	40.000	ug/L	96
36) Ethyl acetate	9.160	43	142527	40.000	ug/L	# 93
37) Carbon tetrachloride	10.752	117	425128	40.000	ug/L	99
38) Tetrahydrofuran	9.885	42	43514M1	40.000	ug/L	
40) 1,1,1-Trichloroethane	10.253	97	454751	40.000	ug/L	95
42) 2-Butanone	8.828	43	63527	40.000	ug/L	# 80
43) 1,1-Dichloropropene	10.568	75	373986	40.000	ug/L	98
44) Heptane	10.886	71	272348	40.000	ug/L	# 80
45) Benzene	11.103	78	1095952	40.000	ug/L	93
46) tert-Amyl methyl ether	10.802	73	670775	40.000	ug/L	95
48) 1,2-Dichloroethane	11.092	62	316797	40.000	ug/L	98
51) Methyl cyclohexane	12.450	83	456336	40.000	ug/L	# 78
52) Trichloroethene	12.350	95	308651	40.000	ug/L	99
54) Dibromomethane	13.326	93	161104	40.000	ug/L	95
55) 1,2-Dichloropropane	12.726	63	254085	40.000	ug/L	94
57) 2-Chloroethyl vinyl ether	13.881	63	108501	40.000	ug/L	# 82
58) Bromodichloromethane	13.211	83	397345	40.000	ug/L	99
60) Methyl methacrylate	12.866	69	154171	40.000	ug/L	# 71
61) 1,4-Dioxane	13.281	88	134300	2001.177	ug/L	# 81
62) cis-1,3-Dichloropropene	14.372	75	442898	40.000	ug/L	# 87
64) Octane	14.578	85	289802	40.000	ug/L	# 85
66) Toluene	15.046	92	736197	40.000	ug/L	97
67) 4-Methyl-2-pentanone	13.942	58	69417	40.000	ug/L	# 84
68) Tetrachloroethene	16.469	166	347099	40.000	ug/L	100
69) 2-Nitropropane	13.373	41	40724	40.000	ug/L	# 98
71) trans-1,3-Dichloropropene	15.468	75	383212	40.000	ug/L	# 81
72) Methyl isothiocyanate	15.353	73	143451	40.000	ug/L	# 95
74) Ethyl methacrylate	15.451	69	298735	40.000	ug/L	97
75) 1,1,2-Trichloroethane	15.805	83	191934	40.000	ug/L	98
76) Chlorodibromomethane	16.932	129	296937	40.000	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N08.D
 Acq On : 13 Oct 2020 01:59 am
 Operator : VOA126:JC
 Sample : I8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 10:56:48 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:26 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	1,3-Dichloropropane	16.363	76	380726	40.000	ug/L	100
78)	1,2-Dibromoethane	17.383	107	227599	40.000	ug/L	99
79)	n-Butyl Acetate	16.379	43	284914	40.000	ug/L #	90
80)	2-Hexanone	15.833	43	113434	40.000	ug/L	91
81)	Nonane	18.022	57	413143	40.000	ug/L #	84
82)	Chlorobenzene	18.326	112	848603	40.000	ug/L	96
83)	Ethylbenzene	18.454	91	1432257	40.000	ug/L	99
84)	1,1,1,2-Tetrachloroethane	18.432	131	315071	40.000	ug/L	99
85)	p/m Xylene	18.630	106	1142362	80.000	ug/L	92
86)	o Xylene	19.634	106	1067296	80.000	ug/L	90
87)	Styrene	19.729	104	1798314	80.000	ug/L	93
89)	Bromoform	20.501	173	190337	40.000	ug/L	99
91)	Isopropylbenzene	20.479	105	1473133	40.000	ug/L	98
93)	Bromobenzene	21.513	156	372496	40.000	ug/L	99
94)	Decane	21.184	57	490726	40.000	ug/L #	85
95)	n-Propylbenzene	21.430	91	1736404	40.000	ug/L	98
96)	1,4-Dichlorobutane	20.730	55	292684	40.000	ug/L	97
97)	1,1,2,2-Tetrachloroethane	20.908	83	283700	40.000	ug/L	99
98)	4-Ethyltoluene	21.706	105	1442127	40.000	ug/L	98
99)	2-Chlorotoluene	21.840	91	1135526	39.982	ug/L	100
100)	1,3,5-Trimethylbenzene	21.815	105	1249226	40.000	ug/L	97
101)	1,2,3-Trichloropropane	21.254	75	204372	40.000	ug/L	95
102)	trans-1,4-Dichloro-2-b...	21.446	53	66225	40.000	ug/L #	80
103)	4-Chlorotoluene	21.960	91	1037617	40.000	ug/L	100
104)	tert-Butylbenzene	22.660	119	1085239	40.000	ug/L	99
107)	1,2,4-Trimethylbenzene	22.752	105	1220019	40.000	ug/L	98
108)	Limonene	23.320	68	412583	40.000	ug/L	91
109)	sec-Butylbenzene	23.173	105	1630960	40.000	ug/L	99
110)	p-Isopropyltoluene	23.513	119	1408333	40.000	ug/L	98
111)	1,3-Dichlorobenzene	23.711	146	734321	40.000	ug/L	99
112)	1,4-Dichlorobenzene	23.967	146	725550	40.000	ug/L	99
113)	trans-Decahydronaphtha...	24.453	138	390563	40.000	ug/L	89
114)	Undecane	24.082	57	456657	40.000	ug/L #	84
115)	p-Diethylbenzene	24.511	119	841479	40.000	ug/L	99
116)	n-Butylbenzene	24.483	91	1511403	40.000	ug/L	98
117)	Hexachloroethane	25.599	117	278005	40.000	ug/L	89
118)	1,2-Dichlorobenzene	24.821	146	673588	40.000	ug/L	99
119)	cis-Decahydronaphthalene	25.894	138	305118	40.000	ug/L	89
120)	1,2,4,5-Tetramethylben...	26.204	119	1264025	40.000	ug/L	97
121)	1,2-Dibromo-3-chloropr...	26.550	155	50198	40.000	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N08.D
 Acq On : 13 Oct 2020 01:59 am
 Operator : VOA126:JC
 Sample : I8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 10:56:48 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:26 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.013	180	511981	40.000	ug/L	97
123)	Nitrobenzene	26.731	77	11853	40.000	ug/L	98
124)	Hexachlorobutadiene	28.468	225	263278	40.000	ug/L	99
125)	1,2,4-Trichlorobenzene	28.212	180	467850	40.000	ug/L	99
126)	Naphthalene	28.669	128	927835	40.000	ug/L	100
127)	1,2,3-Trichlorobenzene	29.101	180	422445	40.000	ug/L	99

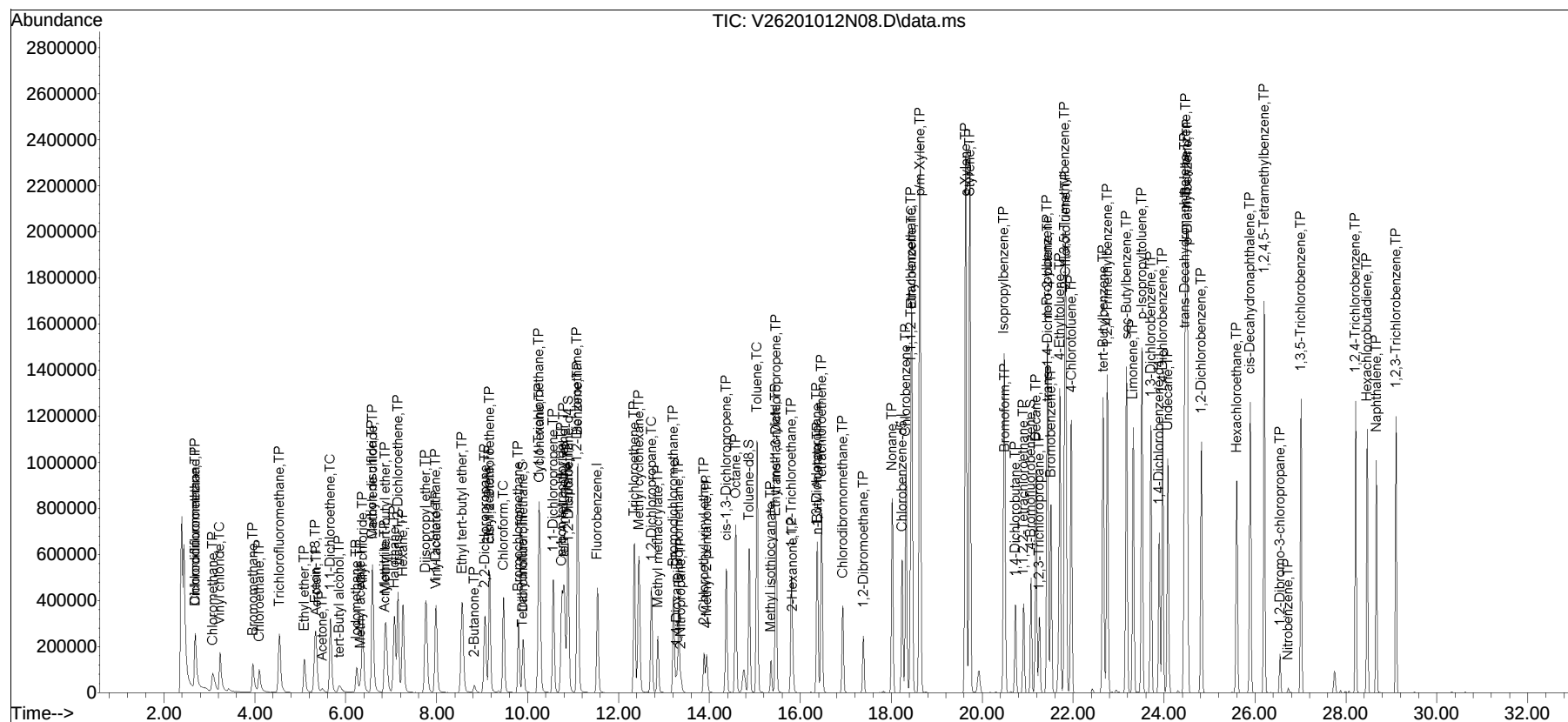
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
Data File : V26201012N08.D
Acq On : 13 Oct 2020 01:59 am
Operator : VOA126:JC
Sample : I8260STD40PPB
Misc : WG1421526,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 10:56:48 2020
Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 10:56:26 2020
Response via : Initial Calibration

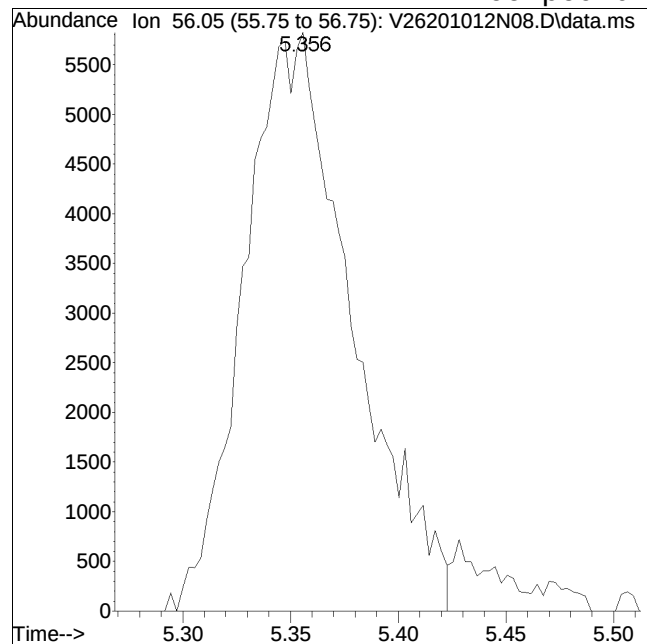
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01012N08.D•



Manual Integration Report

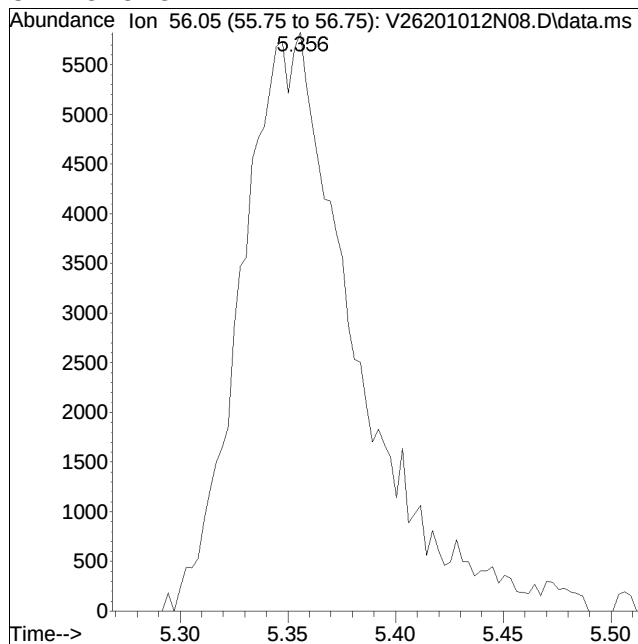
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N08.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 1:59 am Instrument : VOA126
Sample : I8260STD40PPB Quant Date : 10/13/2020 10:56 am

Compound #15: Acrolein



Original Peak Response = 20365

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

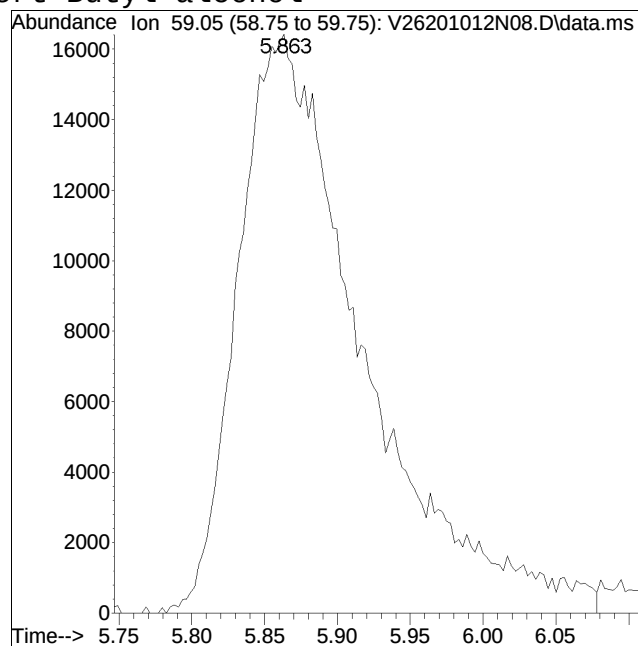
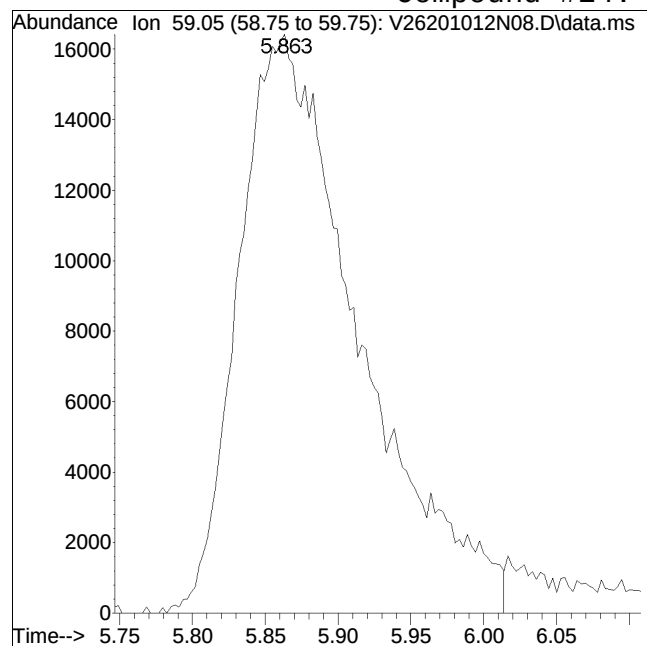


Manual Peak Response = 21562 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N08.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 1:59 am Instrument : VOA126
Sample : I8260STD40PPB Quant Date : 10/13/2020 10:56 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 93912

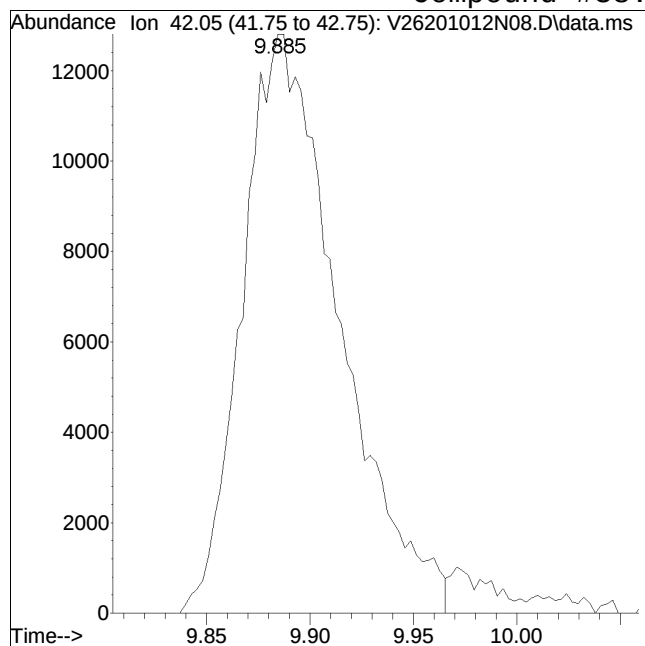
Manual Peak Response = 97655 M1

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

Manual Integration Report

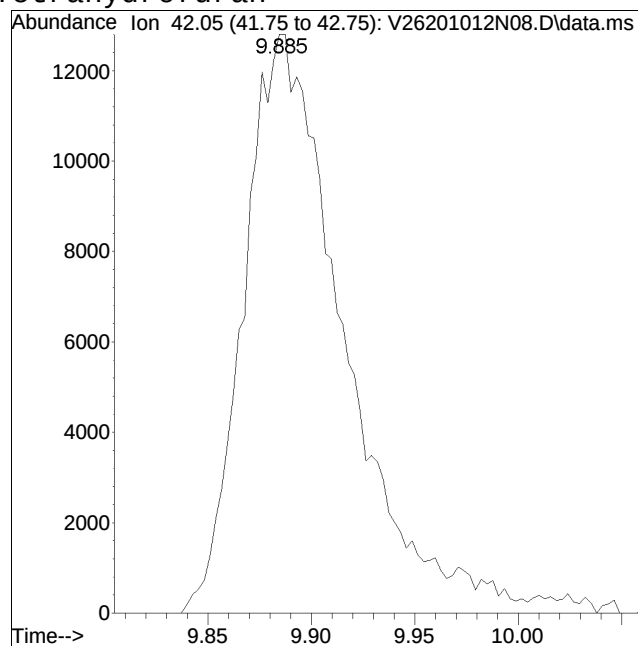
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N08.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 1:59 am Instrument : VOA126
Sample : I8260STD40PPB Quant Date : 10/13/2020 10:56 am

Compound #38: Tetrahydrofuran



Original Peak Response = 41541

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



Manual Peak Response = 43514 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N09.D
 Acq On : 13 Oct 2020 02:39 am
 Operator : VOA126:JC
 Sample : I8260STD100PPB
 Misc : WG1421526,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 13 11:17:42 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.538	96	673882	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	104.02%	
63) Chlorobenzene-d5	18.240	117	533025	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	104.23%	
88) 1,4-Dichlorobenzene-d4	23.892	152	287992	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	102.48%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.904	113	176505	20.067	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.33%	
47) 1,2-Dichloroethane-d4	10.908	65	146448	19.497	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	97.48%	
65) Toluene-d8	14.876	98	668925	19.822	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.11%	
92) 4-Bromofluorobenzene	21.076	95	251461	20.182	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.91%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.693	85	621027	90.496	ug/L	94
3) Chlorodifluoromethane	2.690	51	501746	90.628	ug/L #	90
4) Chloromethane	3.080	50	544005M1	98.877	ug/L	
5) Vinyl chloride	3.236	62	776765	95.767	ug/L	98
6) Bromomethane	3.953	94	418530	100.188	ug/L	96
7) Chloroethane	4.098	64	396056	96.823	ug/L	98
8) Trichlorofluoromethane	4.544	101	1005776	93.715	ug/L	98
9) Ethyl ether	5.091	74	332495	101.444	ug/L	77
11) 1,1-Dichloroethene	5.663	96	597955	96.422	ug/L	83
12) Carbon disulfide	6.583	76	1526453	94.296	ug/L	100
13) Freon-113	5.336	101	590308	93.736	ug/L	96
14) Iodomethane	6.240	142	655626	109.755	ug/L	97
15) Acrolein	5.350	56	54771	97.681	ug/L	98
16) Allyl chloride	6.371	76	400559	98.754	ug/L #	53
17) Methylene chloride	6.594	84	695321	99.279	ug/L	80
19) Acetone	5.484	43	95230	91.470	ug/L	93
20) trans-1,2-Dichloroethene	7.152	96	722752	97.963	ug/L	86
21) Methyl acetate	6.329	43	250488	96.592	ug/L #	85
22) Hexane	7.258	57	822251	92.160	ug/L	96
23) Methyl tert-butyl ether	6.878	73	1689307	100.573	ug/L	88
24) tert-Butyl alcohol	5.866	59	254774M1	501.623	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N09.D
 Acq On : 13 Oct 2020 02:39 am
 Operator : VOA126:JC
 Sample : I8260STD100PPB
 Misc : WG1421526,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 13 11:17:42 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Diisopropyl ether	7.762	45	1627184	100.660	ug/L	# 90
26) 1,1-Dichloroethane	7.977	63	1107791	99.210	ug/L	98
27) Halothane	7.074	117	569141	96.196	ug/L	100
28) Acrylonitrile	6.859	53	135182	95.840	ug/L	97
29) Ethyl tert-butyl ether	8.557	59	1730494	101.487	ug/L	91
30) Vinyl acetate	7.999	43	876221	103.117	ug/L	# 87
31) cis-1,2-Dichloroethene	9.165	96	817745	100.268	ug/L	84
32) 2,2-Dichloropropane	9.059	77	1016757	97.983	ug/L	84
33) Bromochloromethane	9.801	128	362537	99.769	ug/L	# 77
34) Cyclohexane	10.261	56	873264	93.152	ug/L	71
35) Chloroform	9.472	83	1310386	98.995	ug/L	96
36) Ethyl acetate	9.162	43	367188	99.069	ug/L	# 93
37) Carbon tetrachloride	10.755	117	1070336	96.816	ug/L	100
38) Tetrahydrofuran	9.882	42	104012	91.918	ug/L	# 70
40) 1,1,1-Trichloroethane	10.253	97	1145087	96.830	ug/L	95
42) 2-Butanone	8.825	43	163204	98.791	ug/L	# 82
43) 1,1-Dichloropropene	10.568	75	934098	96.047	ug/L	98
44) Heptane	10.889	71	650382	91.831	ug/L	# 82
45) Benzene	11.109	78	2822239	99.026	ug/L	93
46) tert-Amyl methyl ether	10.805	73	1757549	100.757	ug/L	95
48) 1,2-Dichloroethane	11.095	62	819158	99.434	ug/L	98
51) Methyl cyclohexane	12.447	83	1085469	91.470	ug/L	# 79
52) Trichloroethene	12.350	95	784213	97.704	ug/L	99
54) Dibromomethane	13.326	93	416919	99.516	ug/L	94
55) 1,2-Dichloropropane	12.723	63	661272	100.080	ug/L	95
57) 2-Chloroethyl vinyl ether	13.881	63	287618	101.936	ug/L	# 83
58) Bromodichloromethane	13.214	83	1041858	100.829	ug/L	99
60) Methyl methacrylate	12.866	69	397619	99.177	ug/L	# 72
61) 1,4-Dioxane	13.276	88	322583	4621.017	ug/L	# 83
62) cis-1,3-Dichloropropene	14.372	75	1163365	101.009	ug/L	# 86
64) Octane	14.578	85	735786	97.433	ug/L	# 85
66) Toluene	15.046	92	1878134	97.901	ug/L	97
67) 4-Methyl-2-pentanone	13.937	58	181470	100.321	ug/L	# 81
68) Tetrachloroethene	16.469	166	870799	96.276	ug/L	99
69) 2-Nitropropane	13.376	41	111959	105.503	ug/L	# 94
71) trans-1,3-Dichloropropene	15.468	75	1011192	101.263	ug/L	# 81
72) Methyl isothiocyanate	15.356	73	377683	101.037	ug/L	# 95
74) Ethyl methacrylate	15.456	69	775494	99.620	ug/L	96
75) 1,1,2-Trichloroethane	15.802	83	494733	98.918	ug/L	98
76) Chlorodibromomethane	16.932	129	793639	102.568	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N09.D
 Acq On : 13 Oct 2020 02:39 am
 Operator : VOA126:JC
 Sample : I8260STD100PPB
 Misc : WG1421526,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 13 11:17:42 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	1,3-Dichloropropane	16.366	76	984962	99.280	ug/L	100
78)	1,2-Dibromoethane	17.383	107	591346	99.707	ug/L	100
79)	n-Butyl Acetate	16.377	43	736134	99.151	ug/L #	90
80)	2-Hexanone	15.833	43	289052	97.788	ug/L	90
81)	Nonane	18.025	57	1118662	103.909	ug/L #	84
82)	Chlorobenzene	18.326	112	2165548	97.930	ug/L	96
83)	Ethylbenzene	18.454	91	3619375	96.977	ug/L	98
84)	1,1,1,2-Tetrachloroethane	18.432	131	823756	100.333	ug/L	99
85)	p/m Xylene	18.633	106	2910637	195.555	ug/L	92
86)	o Xylene	19.642	106	2742888	197.246	ug/L	91
87)	Styrene	19.731	104	4693205	200.303	ug/L	94
89)	Bromoform	20.501	173	506486	103.861	ug/L	100
91)	Isopropylbenzene	20.482	105	3707196	98.223	ug/L	98
93)	Bromobenzene	21.513	156	949800	99.522	ug/L	99
94)	Decane	21.190	57	1335841	106.249	ug/L #	86
95)	n-Propylbenzene	21.435	91	4333798	97.415	ug/L	98
96)	1,4-Dichlorobutane	20.730	55	749562	99.958	ug/L	97
97)	1,1,2,2-Tetrachloroethane	20.911	83	722075	99.342	ug/L	100
98)	4-Ethyltoluene	21.711	105	3610960	97.730	ug/L	98
99)	2-Chlorotoluene	21.842	91	2914006	100.117	ug/L	100
100)	1,3,5-Trimethylbenzene	21.823	105	3200016	99.982	ug/L	97
101)	1,2,3-Trichloropropane	21.260	75	512269	97.833	ug/L	94
102)	trans-1,4-Dichloro-2-b...	21.444	53	175210	103.263	ug/L #	76
103)	4-Chlorotoluene	21.962	91	2638876	99.264	ug/L	99
104)	tert-Butylbenzene	22.662	119	2721949	97.896	ug/L	99
107)	1,2,4-Trimethylbenzene	22.754	105	3122928	99.909	ug/L	97
108)	Limonene	23.323	68	1044075	98.771	ug/L	92
109)	sec-Butylbenzene	23.175	105	4032867	96.512	ug/L	99
110)	p-Isopropyltoluene	23.516	119	3530996	97.859	ug/L	99
111)	1,3-Dichlorobenzene	23.714	146	1883356	100.105	ug/L	99
112)	1,4-Dichlorobenzene	23.973	146	1845806	99.295	ug/L	99
113)	trans-Decahydronaphtha...	24.455	138	998549	99.790	ug/L	90
114)	Undecane	24.087	57	1173065	100.263	ug/L #	85
115)	p-Diethylbenzene	24.514	119	2161350	100.252	ug/L	99
116)	n-Butylbenzene	24.489	91	3849792	99.418	ug/L	98
117)	Hexachloroethane	25.599	117	733732	103.013	ug/L	88
118)	1,2-Dichlorobenzene	24.824	146	1724849	99.946	ug/L	99
119)	cis-Decahydronaphthalene	25.900	138	764619	97.811	ug/L	89
120)	1,2,4,5-Tetramethylben...	26.207	119	3263262	100.764	ug/L	97
121)	1,2-Dibromo-3-chloropr...	26.553	155	130749	101.663	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N09.D
 Acq On : 13 Oct 2020 02:39 am
 Operator : VOA126:JC
 Sample : I8260STD100PPB
 Misc : WG1421526,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 13 11:17:42 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.015	180	1318382	100.507	ug/L	98
123)	Nitrobenzene	26.737	77	36179	119.134	ug/L	98
124)	Hexachlorobutadiene	28.468	225	672187	99.652	ug/L	100
125)	1,2,4-Trichlorobenzene	28.217	180	1203841	100.432	ug/L	99
126)	Naphthalene	28.672	128	2371190	99.748	ug/L	100
127)	1,2,3-Trichlorobenzene	29.104	180	1096204	101.282	ug/L	99

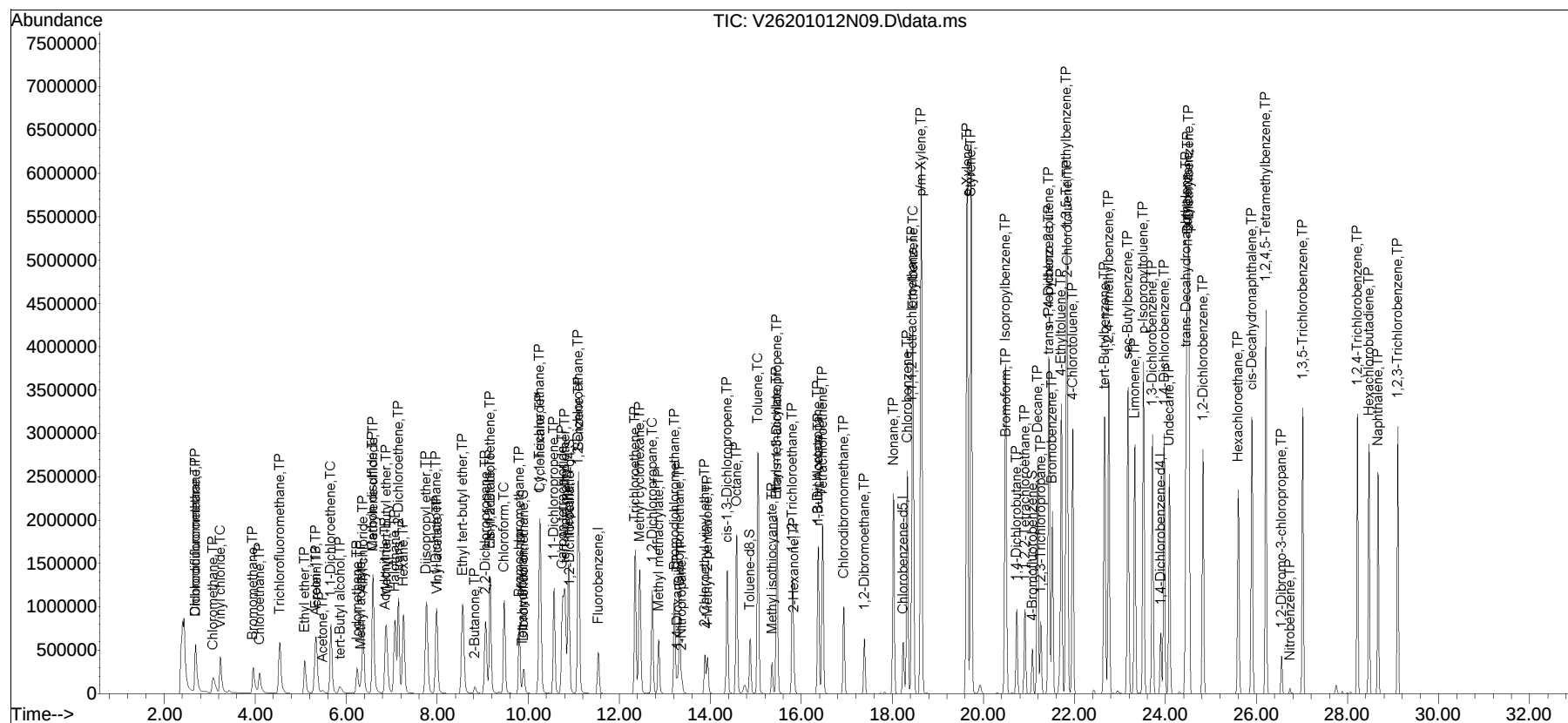
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
Data File : V26201012N09.D
Acq On : 13 Oct 2020 02:39 am
Operator : VOA126:JC
Sample : I8260STD100PPB
Misc : WG1421526,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 13 11:17:42 2020
Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 10:56:23 2020
Response via : Initial Calibration

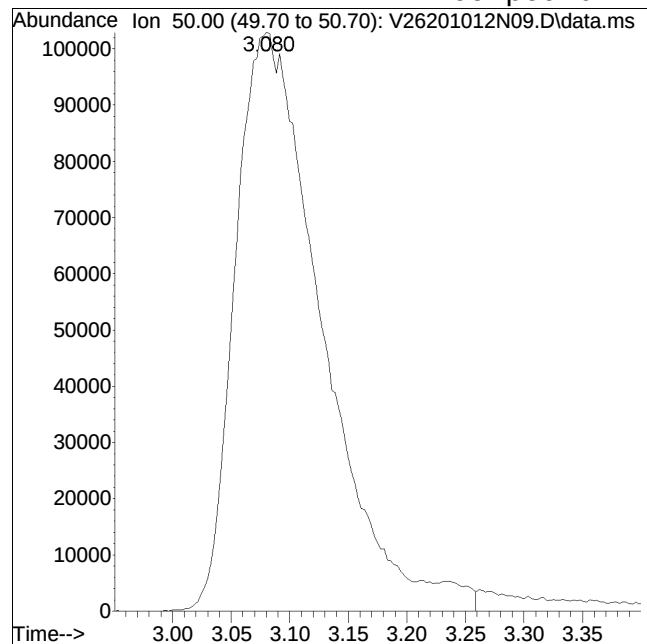
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01012N08.D•



Manual Integration Report

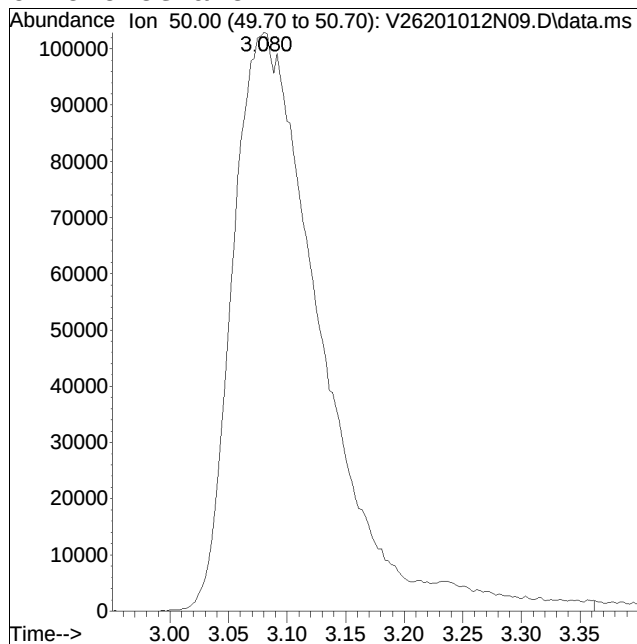
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Data File : V26201012N09.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 2:39 am Instrument : VOA126
Sample : I8260STD100PPB Quant Date : 10/13/2020 10:57 am

Compound #4: Chloromethane



Original Peak Response = 529135

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

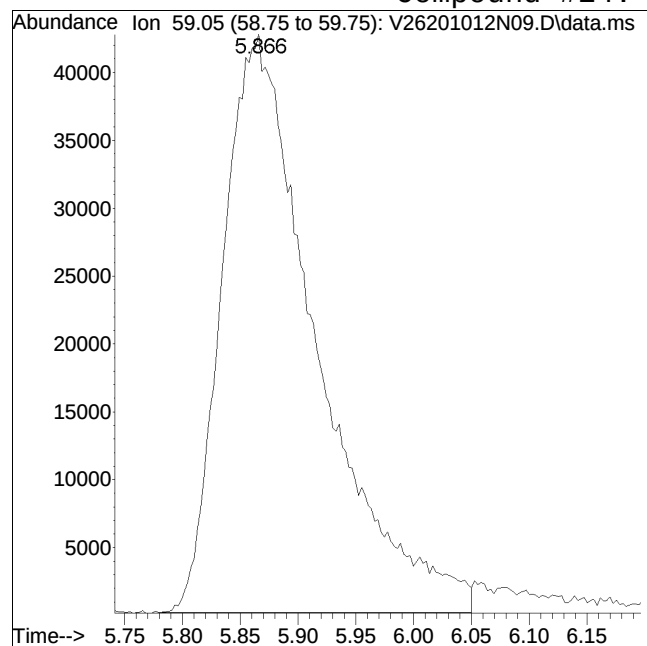


Manual Peak Response = 544005 M1

Manual Integration Report

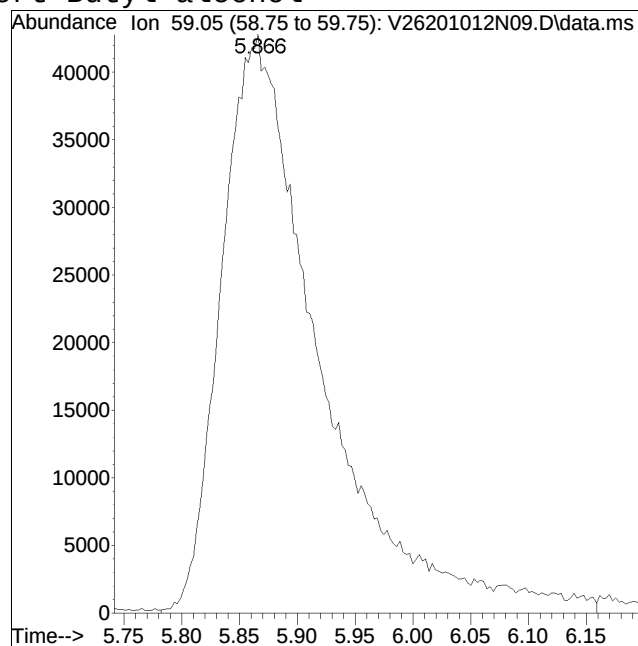
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N09.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 2:39 am Instrument : VOA126
Sample : I8260STD100PPB Quant Date : 10/13/2020 10:57 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 241155

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



Manual Peak Response = 254774 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N10.D
 Acq On : 13 Oct 2020 03:19 am
 Operator : VOA126:JC
 Sample : I8260STD200PPB
 Misc : WG1421526,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 13 11:19:07 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.541	96	711178	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	109.78%	
63) Chlorobenzene-d5	18.239	117	555247	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	108.58%	
88) 1,4-Dichlorobenzene-d4	23.898	152	304975	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	108.53%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.904	113	187784	20.229	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	101.15%	
47) 1,2-Dichloroethane-d4	10.902	65	158580	20.005	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	100.02%	
65) Toluene-d8	14.876	98	700302	19.921	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	99.61%	
92) 4-Bromofluorobenzene	21.078	95	262828	19.920	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	99.60%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.690	85	1263249	174.426	ug/L	94
3) Chlorodifluoromethane	2.681	51	1051630	179.989	ug/L #	90
4) Chloromethane	3.072	50	1188467M1	204.686	ug/L	
5) Vinyl chloride	3.234	62	1592379	186.027	ug/L	98
6) Bromomethane	3.950	94	918114	208.254	ug/L	97
7) Chloroethane	4.095	64	823079	190.664	ug/L	97
8) Trichlorofluoromethane	4.539	101	2024451	178.740	ug/L	97
9) Ethyl ether	5.094	74	725966	209.876	ug/L	77
11) 1,1-Dichloroethene	5.662	96	1257184	192.094	ug/L	83
12) Carbon disulfide	6.580	76	3157879	184.847	ug/L	100
13) Freon-113	5.331	101	1179042	177.404	ug/L	94
14) Iodomethane	6.240	142	1348327	213.880	ug/L	98
15) Acrolein	5.353	56	119915	202.645	ug/L	100
16) Allyl chloride	6.371	76	812683	189.852	ug/L #	53
17) Methylene chloride	6.591	84	1463884	198.054	ug/L	80
19) Acetone	5.481	43	217089M1	197.583	ug/L	
20) trans-1,2-Dichloroethene	7.143	96	1531206	196.658	ug/L	86
21) Methyl acetate	6.329	43	565417	206.600	ug/L #	85
22) Hexane	7.258	57	1601093	170.044	ug/L	96
23) Methyl tert-butyl ether	6.878	73	3661608	206.562	ug/L	88
24) tert-Butyl alcohol	5.866	59	583630M1	1088.843	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N10.D
 Acq On : 13 Oct 2020 03:19 am
 Operator : VOA126:JC
 Sample : I8260STD200PPB
 Misc : WG1421526,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 13 11:19:07 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25) Diisopropyl ether	7.765	45	3517170	206.167	ug/L	#	91
26) 1,1-Dichloroethane	7.977	63	2346842	199.153	ug/L		98
27) Halothane	7.074	117	1201958	192.500	ug/L		100
28) Acrylonitrile	6.859	53	303788	204.081	ug/L		98
29) Ethyl tert-butyl ether	8.560	59	3748666	208.317	ug/L		91
30) Vinyl acetate	7.999	43	1884998	210.201	ug/L	#	87
31) cis-1,2-Dichloroethene	9.162	96	1733464	201.402	ug/L		84
32) 2,2-Dichloropropane	9.062	77	2158528	197.105	ug/L		84
33) Bromochloromethane	9.804	128	753330	196.442	ug/L	#	78
34) Cyclohexane	10.261	56	1744065	176.286	ug/L		72
35) Chloroform	9.472	83	2757769	197.414	ug/L		96
36) Ethyl acetate	9.159	43	828914	211.916	ug/L	#	93
37) Carbon tetrachloride	10.752	117	2220045	190.280	ug/L		100
38) Tetrahydrofuran	9.879	42	235635	197.316	ug/L	#	75
40) 1,1,1-Trichloroethane	10.250	97	2396854	192.053	ug/L		95
42) 2-Butanone	8.830	43	358251	205.486	ug/L	#	79
43) 1,1-Dichloropropene	10.568	75	1941036	189.117	ug/L		98
44) Heptane	10.888	71	1290262	172.626	ug/L	#	81
45) Benzene	11.109	78	5960986	198.189	ug/L		93
46) tert-Amyl methyl ether	10.805	73	3816521	207.321	ug/L		94
48) 1,2-Dichloroethane	11.095	62	1763370	202.822	ug/L		98
51) Methyl cyclohexane	12.450	83	2156356	172.182	ug/L	#	79
52) Trichloroethene	12.350	95	1647365	194.480	ug/L		99
54) Dibromomethane	13.329	93	894202	202.247	ug/L		94
55) 1,2-Dichloropropane	12.726	63	1396231	200.231	ug/L		95
57) 2-Chloroethyl vinyl ether	13.881	63	665794	223.593	ug/L	#	84
58) Bromodichloromethane	13.214	83	2214150	203.045	ug/L		99
60) Methyl methacrylate	12.866	69	881968	208.450	ug/L	#	72
61) 1,4-Dioxane	13.278	88	633844	8603.676	ug/L	#	82
62) cis-1,3-Dichloropropene	14.374	75	2487225	204.627	ug/L	#	87
64) Octane	14.581	85	1530992	194.620	ug/L	#	85
66) Toluene	15.049	92	3974447	198.883	ug/L		98
67) 4-Methyl-2-pentanone	13.937	58	406007	215.468	ug/L	#	82
68) Tetrachloroethene	16.471	166	1829732	194.200	ug/L		98
69) 2-Nitropropane	13.379	41	241506	218.471	ug/L	#	99
71) trans-1,3-Dichloropropene	15.470	75	2195418	211.054	ug/L	#	83
72) Methyl isothiocyanate	15.356	73	844387	216.847	ug/L	#	95
74) Ethyl methacrylate	15.456	69	1731034	213.469	ug/L		96
75) 1,1,2-Trichloroethane	15.805	83	1064490	204.317	ug/L		98
76) Chlorodibromomethane	16.934	129	1699893	210.898	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N10.D
 Acq On : 13 Oct 2020 03:19 am
 Operator : VOA126:JC
 Sample : I8260STD200PPB
 Misc : WG1421526,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 13 11:19:07 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	1,3-Dichloropropane	16.365	76	2115412	204.691	ug/L	100
78)	1,2-Dibromoethane	17.386	107	1269673	205.512	ug/L	100
79)	n-Butyl Acetate	16.382	43	1649172	213.240	ug/L #	91
80)	2-Hexanone	15.836	43	651675	211.643	ug/L	90
81)	Nonane	18.033	57	2416700	215.495	ug/L #	84
82)	Chlorobenzene	18.331	112	4571549	198.461	ug/L	97
83)	Ethylbenzene	18.460	91	7636311	196.417	ug/L	99
84)	1,1,1,2-Tetrachloroethane	18.437	131	1779008	208.011	ug/L	99
85)	p/m Xylene	18.644	106	6250032	403.111	ug/L	94
86)	o Xylene	19.648	106	5961236	411.526	ug/L	93
87)	Styrene	19.740	104	10062860	412.289	ug/L	97
89)	Bromoform	20.504	173	1146162	221.946	ug/L	100
91)	Isopropylbenzene	20.487	105	7884858	197.277	ug/L	98
93)	Bromobenzene	21.522	156	2021297	200.002	ug/L	100
94)	Decane	21.198	57	2842158	213.469	ug/L #	86
95)	n-Propylbenzene	21.441	91	9067813	192.476	ug/L	99
96)	1,4-Dichlorobutane	20.735	55	1625970	204.757	ug/L	97
97)	1,1,2,2-Tetrachloroethane	20.914	83	1557110	202.295	ug/L	99
98)	4-Ethyltoluene	21.720	105	7601604	194.280	ug/L	99
99)	2-Chlorotoluene	21.848	91	6334708	205.522	ug/L	100
100)	1,3,5-Trimethylbenzene	21.831	105	6892411	203.355	ug/L	98
101)	1,2,3-Trichloropropane	21.262	75	1110440	200.262	ug/L	95
102)	trans-1,4-Dichloro-2-b...	21.452	53	402295	223.897	ug/L #	76
103)	4-Chlorotoluene	21.968	91	5574206	198.003	ug/L	99
104)	tert-Butylbenzene	22.668	119	5736338	194.820	ug/L	100
107)	1,2,4-Trimethylbenzene	22.763	105	6663707	201.314	ug/L	98
108)	Limonene	23.332	68	2221299	198.436	ug/L	93
109)	sec-Butylbenzene	23.181	105	8459250	191.167	ug/L	99
110)	p-Isopropyltoluene	23.524	119	7471020	195.524	ug/L	99
111)	1,3-Dichlorobenzene	23.722	146	3997629	200.651	ug/L	99
112)	1,4-Dichlorobenzene	23.976	146	3945556	200.432	ug/L	99
113)	trans-Decahydronaphtha...	24.461	138	2118462	199.919	ug/L	92
114)	Undecane	24.093	57	2361393	190.591	ug/L #	85
115)	p-Diethylbenzene	24.520	119	4700991	205.907	ug/L	100
116)	n-Butylbenzene	24.494	91	8387946	204.551	ug/L	98
117)	Hexachloroethane	25.602	117	1617648	214.465	ug/L	87
118)	1,2-Dichlorobenzene	24.829	146	3686089	201.696	ug/L	99
119)	cis-Decahydronaphthalene	25.906	138	1623435	196.107	ug/L	90
120)	1,2,4,5-Tetramethylben...	26.209	119	7032123	205.048	ug/L	98
121)	1,2-Dibromo-3-chloropr...	26.552	155	301001	221.007	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N10.D
 Acq On : 13 Oct 2020 03:19 am
 Operator : VOA126:JC
 Sample : I8260STD200PPB
 Misc : WG1421526,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 13 11:19:07 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.018	180	2838319	204.330	ug/L	97
123)	Nitrobenzene	26.737	77	96617	300.435	ug/L	99
124)	Hexachlorobutadiene	28.471	225	1472353	206.121	ug/L	100
125)	1,2,4-Trichlorobenzene	28.220	180	2621894	206.554	ug/L	99
126)	Naphthalene	28.675	128	5169970	205.373	ug/L	100
127)	1,2,3-Trichlorobenzene	29.104	180	2398213	209.239	ug/L	99

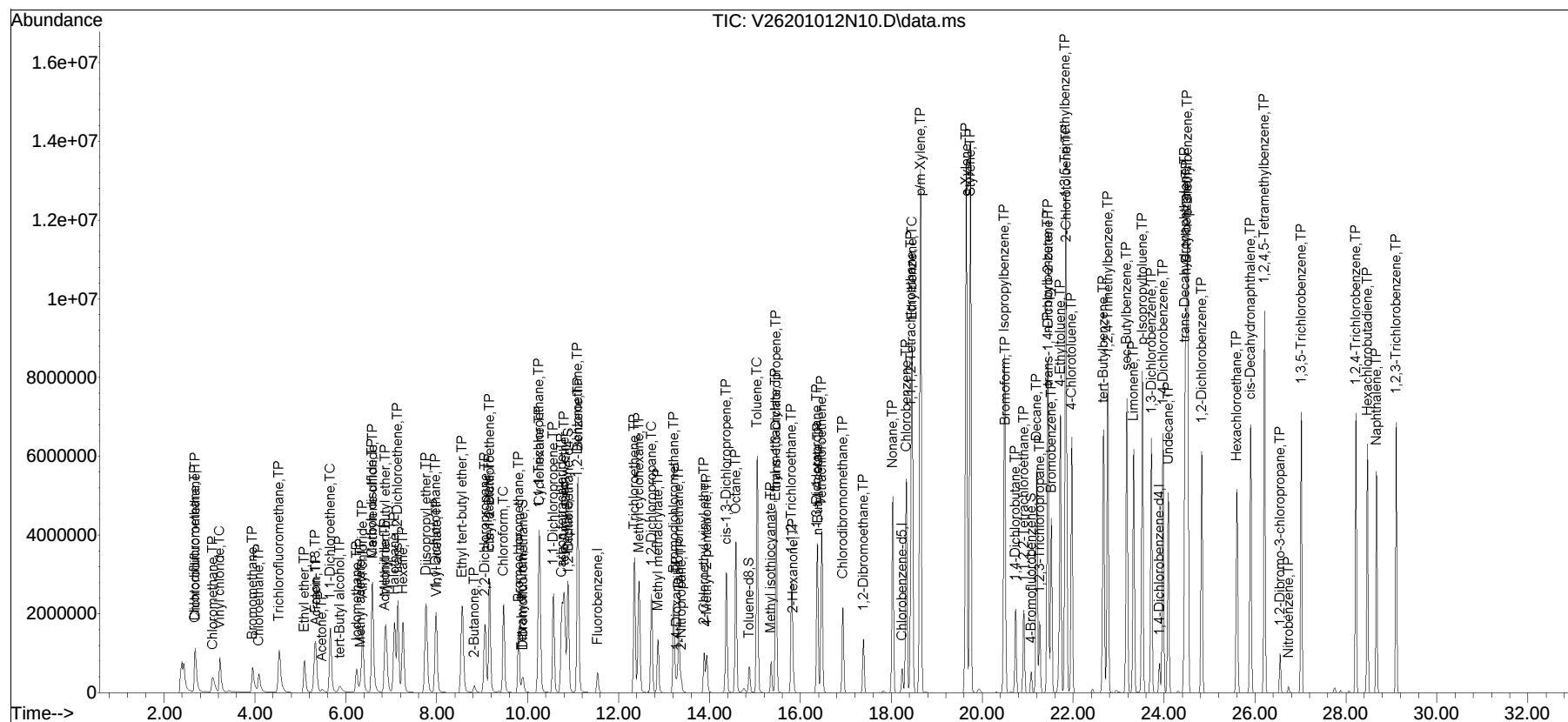
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
Data File : V26201012N10.D
Acq On : 13 Oct 2020 03:19 am
Operator : VOA126:JC
Sample : I8260STD200PPB
Misc : WG1421526,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 13 11:19:07 2020
Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 10:56:23 2020
Response via : Initial Calibration

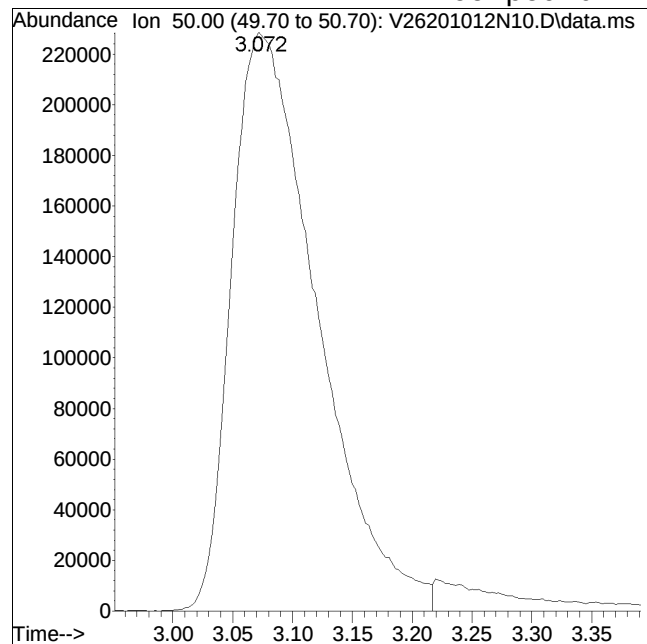
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01012N08.D•



Manual Integration Report

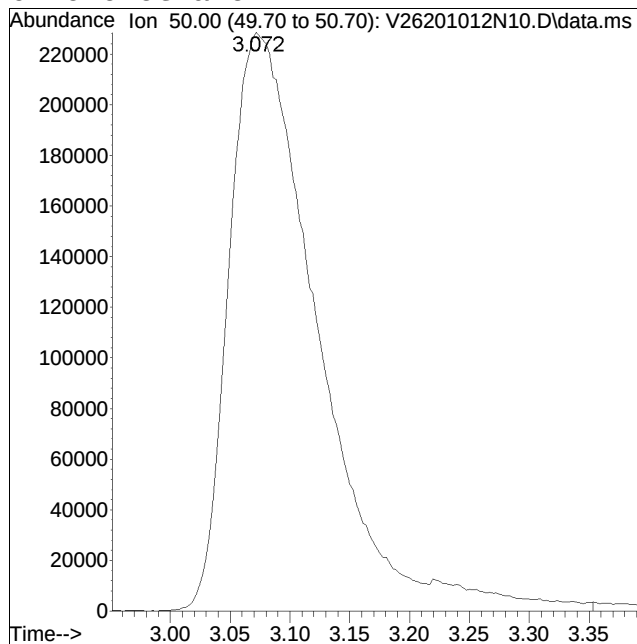
Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_201012N_8260Suff.m
Data File : V26201012N10.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 3:19 am Instrument : VOA126
Sample : I8260STD200PPB Quant Date : 10/13/2020 10:58 am

Compound #4: Chloromethane



Original Peak Response = 1135939

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

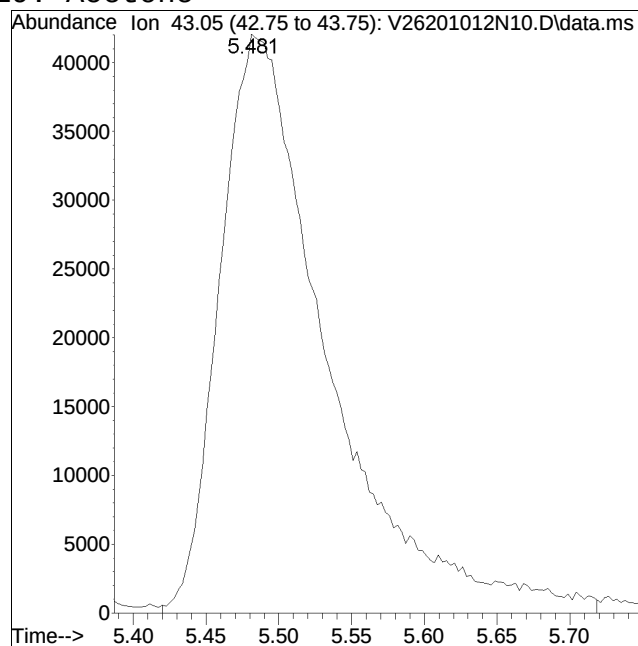
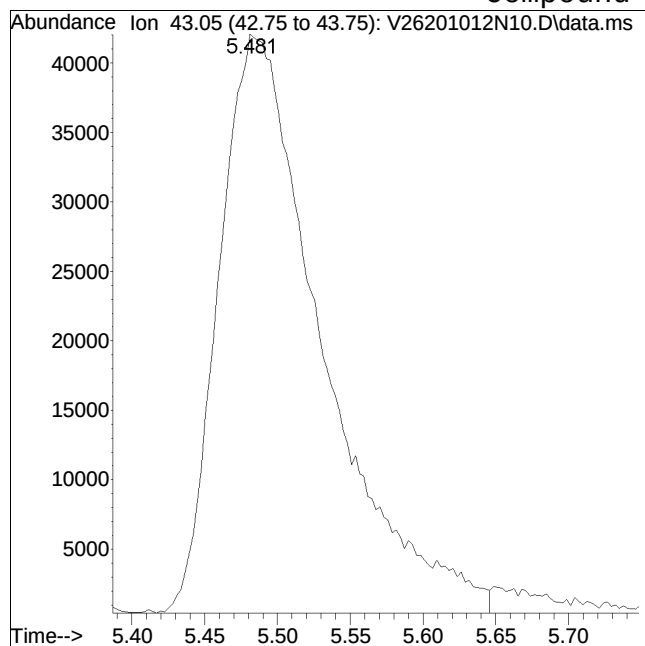


Manual Peak Response = 1188467 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N10.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 3:19 am Instrument : VOA126
Sample : I8260STD200PPB Quant Date : 10/13/2020 10:58 am

Compound #19: Acetone



Original Peak Response = 204420

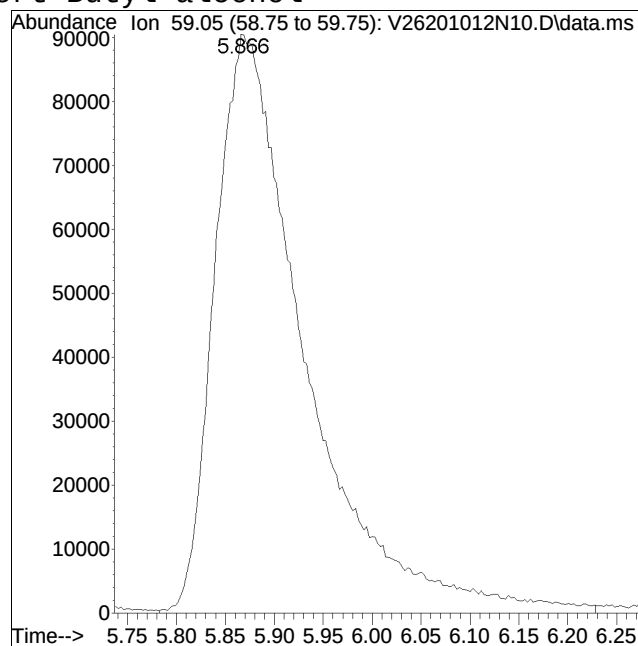
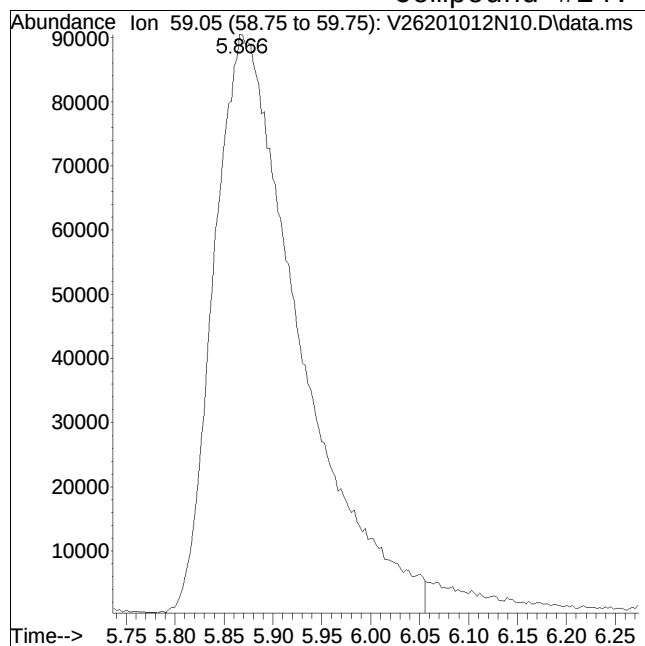
Manual Peak Response = 217089 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N10.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 3:19 am Instrument : VOA126
Sample : I8260STD200PPB Quant Date : 10/13/2020 10:58 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 550895

Manual Peak Response = 583630 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N11.D
 Acq On : 13 Oct 2020 03:58 am
 Operator : VOA126:JC
 Sample : I8260STD300PPB
 Misc : WG1421526,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 13 11:20:28 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.538	96	719532	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	111.07%	
63) Chlorobenzene-d5	18.239	117	560685	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	109.64%	
88) 1,4-Dichlorobenzene-d4	23.900	152	309065	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	109.98%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.907	113	189638	20.192	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	100.96%	
47) 1,2-Dichloroethane-d4	10.905	65	171980	21.444	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	107.22%	
65) Toluene-d8	14.876	98	705881	19.885	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	99.43%	
92) 4-Bromofluorobenzene	21.078	95	264408	19.774	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	98.87%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.687	85	1859519	253.777	ug/L	94
3) Chlorodifluoromethane	2.681	51	1573871	266.244	ug/L #	90
4) Chloromethane	3.069	50	1917362M1	326.387	ug/L	
5) Vinyl chloride	3.231	62	2350433	271.398	ug/L	98
6) Bromomethane	3.950	94	1432854	321.237	ug/L	97
7) Chloroethane	4.092	64	1244310	284.894	ug/L	97
8) Trichlorofluoromethane	4.539	101	3017601	263.333	ug/L	98
9) Ethyl ether	5.096	74	1102618	315.065	ug/L	77
11) 1,1-Dichloroethene	5.662	96	1904022	287.551	ug/L	83
12) Carbon disulfide	6.577	76	4814101	278.523	ug/L	100
13) Freon-113	5.325	101	1755524	261.077	ug/L	94
14) Iodomethane	6.237	142	1907088	299.001	ug/L	97
15) Acrolein	5.356	56	187619	313.378	ug/L	98
16) Allyl chloride	6.371	76	1176392	271.628	ug/L #	55
17) Methylene chloride	6.588	84	2242166	299.829	ug/L	80
19) Acetone	5.492	43	324868M1	292.245	ug/L	
20) trans-1,2-Dichloroethene	7.149	96	2333671	296.241	ug/L	86
21) Methyl acetate	6.332	43	851805	307.631	ug/L #	85
22) Hexane	7.258	57	2414029	253.405	ug/L	96
23) Methyl tert-butyl ether	6.881	73	5564319	310.256	ug/L	88
24) tert-Butyl alcohol	5.891	59	891079M1	1643.130	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N11.D
 Acq On : 13 Oct 2020 03:58 am
 Operator : VOA126:JC
 Sample : I8260STD300PPB
 Misc : WG1421526,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 13 11:20:28 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Diisopropyl ether	7.771	45	5386443	312.073	ug/L	# 90
26) 1,1-Dichloroethane	7.980	63	3575217	299.871	ug/L	97
27) Halothane	7.074	117	1846836	292.347	ug/L	99
28) Acrylonitrile	6.864	53	466524	309.767	ug/L	97
29) Ethyl tert-butyl ether	8.560	59	5766327	316.720	ug/L	92
30) Vinyl acetate	8.002	43	3005788	331.291	ug/L	# 87
31) cis-1,2-Dichloroethene	9.165	96	2670647	306.686	ug/L	84
32) 2,2-Dichloropropane	9.065	77	3318791	299.535	ug/L	84
33) Bromochloromethane	9.804	128	1135498	292.661	ug/L	# 77
34) Cyclohexane	10.261	56	2659295	265.674	ug/L	72
35) Chloroform	9.472	83	4192532	296.636	ug/L	96
36) Ethyl acetate	9.162	43	1276750	322.618	ug/L	# 93
37) Carbon tetrachloride	10.755	117	3400277	288.055	ug/L	100
38) Tetrahydrofuran	9.879	42	359309	297.385	ug/L	# 72
40) 1,1,1-Trichloroethane	10.253	97	3688688	292.132	ug/L	95
42) 2-Butanone	8.836	43	545692	309.364	ug/L	# 81
43) 1,1-Dichloropropene	10.571	75	2966072	285.632	ug/L	98
44) Heptane	10.894	71	1998594	264.290	ug/L	# 82
45) Benzene	11.112	78	9082712	298.473	ug/L	94
46) tert-Amyl methyl ether	10.808	73	5858249	314.537	ug/L	94
48) 1,2-Dichloroethane	11.100	62	2745680	312.140	ug/L	98
51) Methyl cyclohexane	12.453	83	3298657	260.335	ug/L	# 78
52) Trichloroethene	12.352	95	2530371	295.255	ug/L	98
54) Dibromomethane	13.329	93	1370181	306.303	ug/L	93
55) 1,2-Dichloropropane	12.726	63	2136533	302.838	ug/L	95
57) 2-Chloroethyl vinyl ether	13.883	63	1048702	348.096	ug/L	# 84
58) Bromodichloromethane	13.217	83	3378646	306.235	ug/L	99
60) Methyl methacrylate	12.871	69	1341176	313.302	ug/L	# 72
61) 1,4-Dioxane	13.281	88	1001119	13431.223	ug/L	# 82
62) cis-1,3-Dichloropropene	14.377	75	3793383	308.463	ug/L	# 88
64) Octane	14.586	85	2478397	311.999	ug/L	# 85
66) Toluene	15.055	92	6064155	300.510	ug/L	99
67) 4-Methyl-2-pentanone	13.942	58	610822	321.020	ug/L	# 81
68) Tetrachloroethene	16.474	166	2803053	294.619	ug/L	98
69) 2-Nitropropane	13.382	41	377459	338.145	ug/L	# 99
71) trans-1,3-Dichloropropene	15.473	75	3392250	322.947	ug/L	85
72) Methyl isothiocyanate	15.359	73	1299157	330.401	ug/L	# 95
74) Ethyl methacrylate	15.462	69	2656868	324.464	ug/L	96
75) 1,1,2-Trichloroethane	15.810	83	1620458	308.013	ug/L	98
76) Chlorodibromomethane	16.937	129	2606712	320.267	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N11.D
 Acq On : 13 Oct 2020 03:58 am
 Operator : VOA126:JC
 Sample : I8260STD300PPB
 Misc : WG1421526,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 13 11:20:28 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 1,3-Dichloropropane	16.371	76	3222353	308.776	ug/L	99
78) 1,2-Dibromoethane	17.389	107	1927767	309.006	ug/L	100
79) n-Butyl Acetate	16.382	43	2513815	321.886	ug/L #	91
80) 2-Hexanone	15.838	43	983578	316.336	ug/L	90
81) Nonane	18.039	57	3917546	345.937	ug/L #	84
82) Chlorobenzene	18.334	112	6943192	298.495	ug/L	97
83) Ethylbenzene	18.462	91	11495126	292.803	ug/L	100
84) 1,1,1,2-Tetrachloroethane	18.440	131	2743894	317.718	ug/L	99
85) p/m Xylene	18.652	106	9652282	616.509	ug/L	99
86) o Xylene	19.653	106	9166057	626.629	ug/L	98
87) Styrene	19.748	104	15087028	612.141	ug/L	100
89) Bromoform	20.504	173	1790342	342.100	ug/L	100
91) Isopropylbenzene	20.490	105	11954564	295.142	ug/L	100
93) Bromobenzene	21.522	156	3049218	297.719	ug/L	100
94) Decane	21.207	57	4462712	330.750	ug/L #	85
95) n-Propylbenzene	21.446	91	13513621	283.048	ug/L	100
96) 1,4-Dichlorobutane	20.735	55	2467824	306.658	ug/L	97
97) 1,1,2,2-Tetrachloroethane	20.917	83	2359321	302.460	ug/L	100
98) 4-Ethyltoluene	21.728	105	11397147	287.430	ug/L	99
99) 2-Chlorotoluene	21.851	91	9872929	316.077	ug/L	100
100) 1,3,5-Trimethylbenzene	21.840	105	10653647	310.168	ug/L	99
101) 1,2,3-Trichloropropane	21.262	75	1663734	296.075	ug/L	95
102) trans-1,4-Dichloro-2-b...	21.455	53	633634	347.982	ug/L #	78
103) 4-Chlorotoluene	21.976	91	8443204	295.944	ug/L	99
104) tert-Butylbenzene	22.671	119	8721604	292.288	ug/L	99
107) 1,2,4-Trimethylbenzene	22.768	105	10110520	301.402	ug/L	99
108) Limonene	23.337	68	3470005	305.885	ug/L	92
109) sec-Butylbenzene	23.184	105	12722686	283.710	ug/L	100
110) p-Isopropyltoluene	23.527	119	11305534	291.961	ug/L	99
111) 1,3-Dichlorobenzene	23.725	146	6064214	300.350	ug/L	99
112) 1,4-Dichlorobenzene	23.981	146	5988359	300.179	ug/L	99
113) trans-Decahydronaphtha...	24.467	138	3486608	324.677	ug/L	93
114) Undecane	24.098	57	3308111	263.469	ug/L #	85
115) p-Diethylbenzene	24.528	119	7341183	317.294	ug/L	99
116) n-Butylbenzene	24.500	91	13103281	315.311	ug/L	99
117) Hexachloroethane	25.604	117	2493181	326.168	ug/L	87
118) 1,2-Dichlorobenzene	24.832	146	5629107	303.938	ug/L	99
119) cis-Decahydronaphthalene	25.908	138	2616966	311.939	ug/L	91
120) 1,2,4,5-Tetramethylben...	26.215	119	10500978	302.144	ug/L	99
121) 1,2-Dibromo-3-chloropr...	26.552	155	455854	330.278	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N11.D
 Acq On : 13 Oct 2020 03:58 am
 Operator : VOA126:JC
 Sample : I8260STD300PPB
 Misc : WG1421526,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 13 11:20:28 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 10:56:23 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.021	180	4240911	301.262	ug/L	98
123)	Nitrobenzene	26.734	77	159936	490.747	ug/L	97
124)	Hexachlorobutadiene	28.474	225	2244848	310.107	ug/L	100
125)	1,2,4-Trichlorobenzene	28.220	180	3866262	300.555	ug/L	99
126)	Naphthalene	28.675	128	7477174	293.094	ug/L	100
127)	1,2,3-Trichlorobenzene	29.107	180	3467842	298.558	ug/L	99

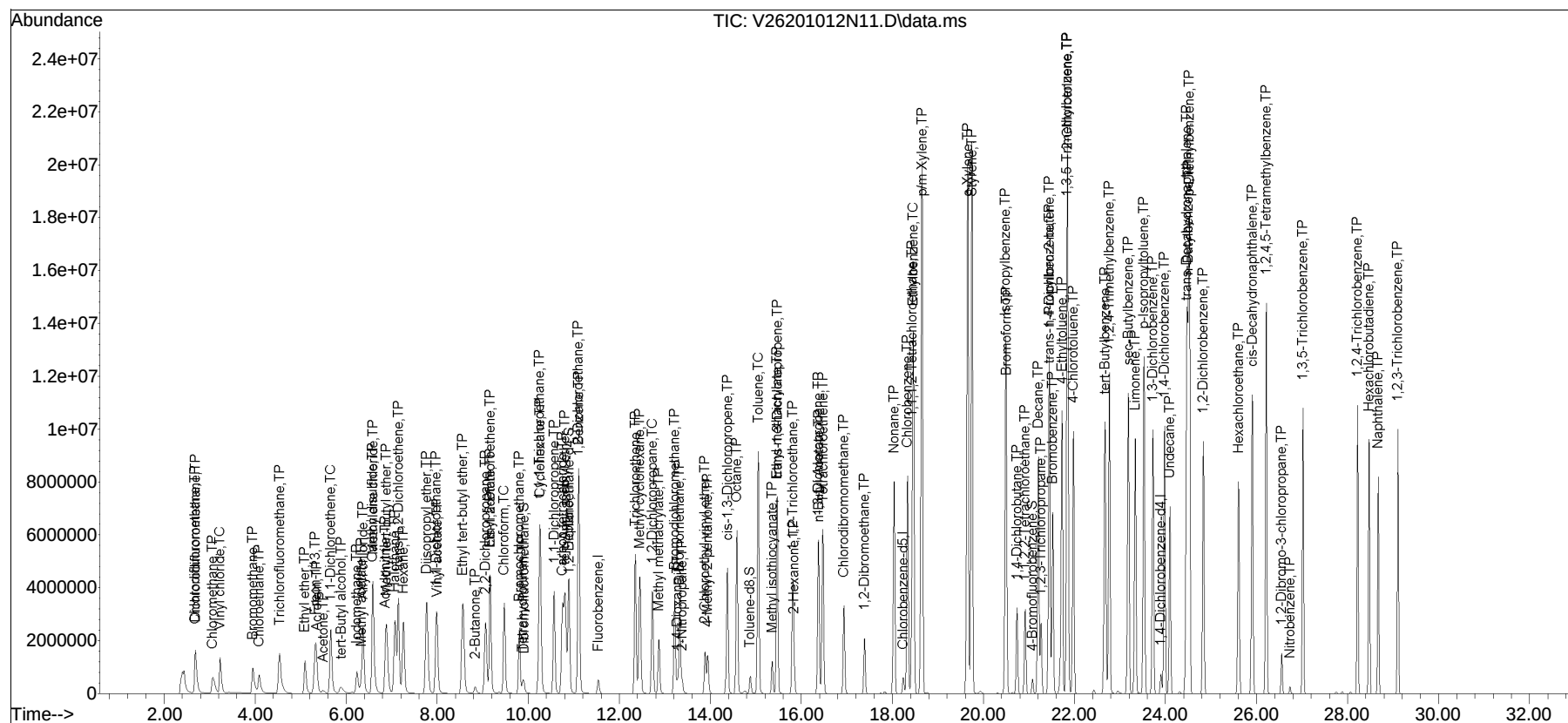
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
Data File : V26201012N11.D
Acq On : 13 Oct 2020 03:58 am
Operator : VOA126:JC
Sample : I8260STD300PPB
Misc : WG1421526,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 13 11:20:28 2020
Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 10:56:23 2020
Response via : Initial Calibration

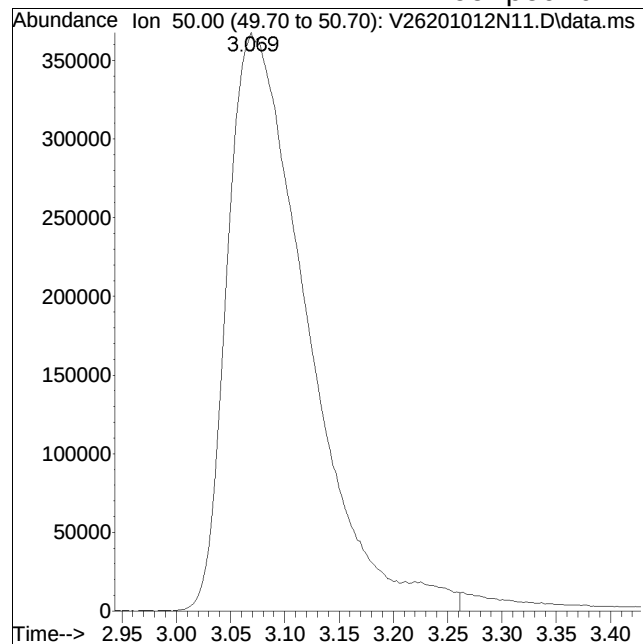
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01012N08.D•



Manual Integration Report

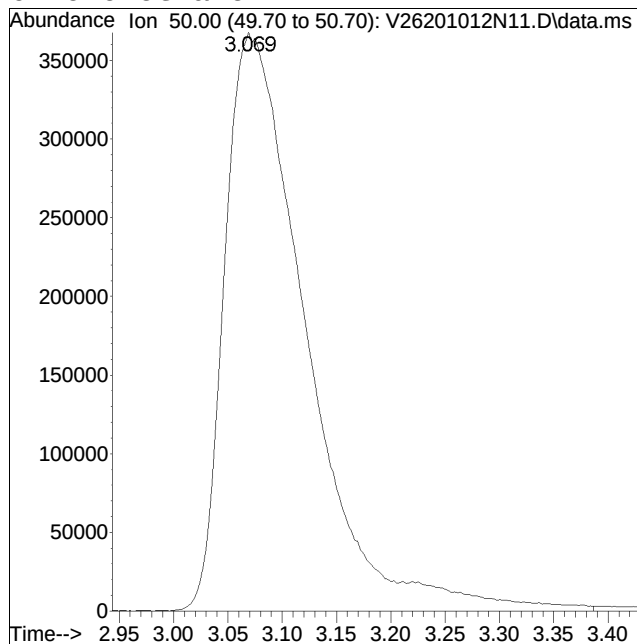
Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_201012N_8260Suff.m
Data File : V26201012N11.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 3:58 am Instrument : VOA126
Sample : I8260STD300PPB Quant Date : 10/13/2020 10:58 am

Compound #4: Chloromethane



Original Peak Response = 1868627

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

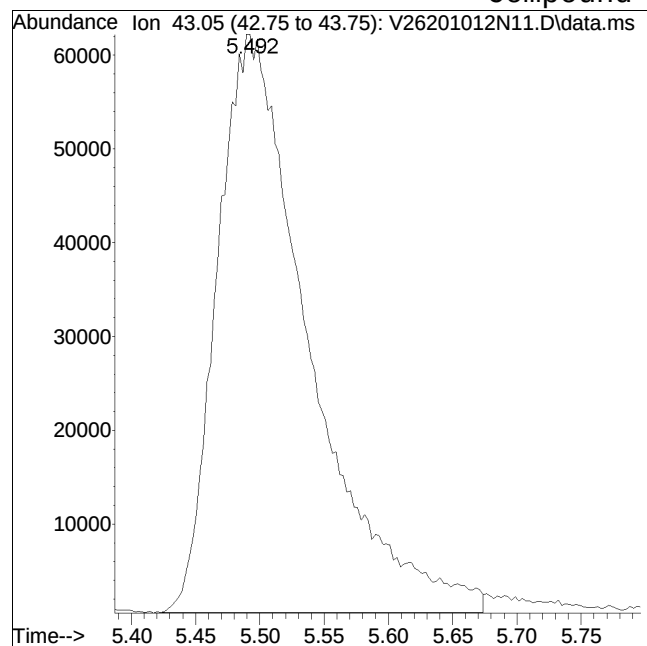


Manual Peak Response = 1917362 M1

Manual Integration Report

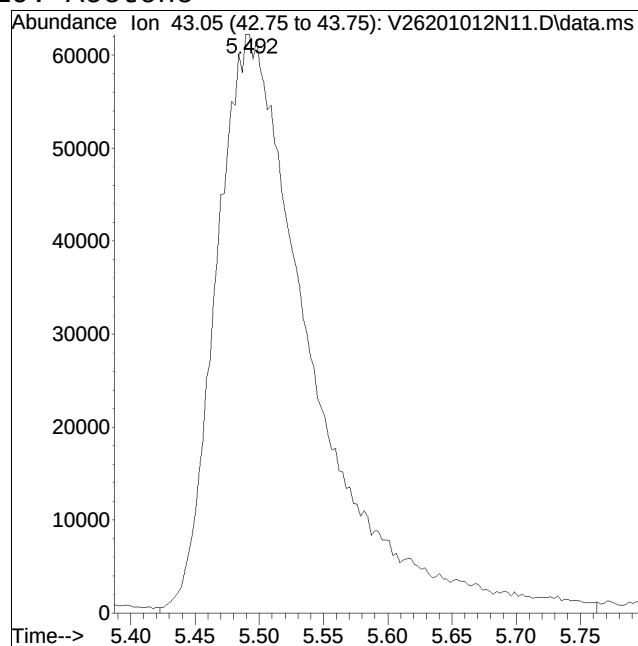
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N11.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 3:58 am Instrument : VOA126
Sample : I8260STD300PPB Quant Date : 10/13/2020 10:58 am

Compound #19: Acetone



Original Peak Response = 307014

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

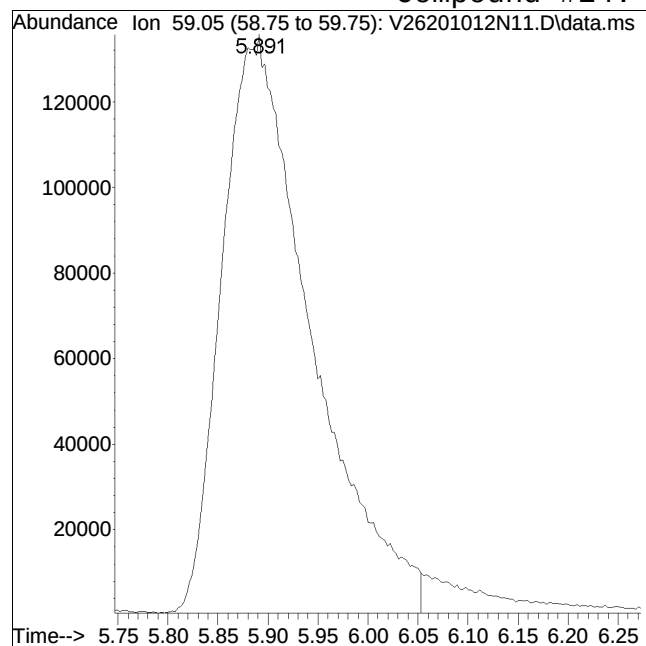


Manual Peak Response = 324868 M1

Manual Integration Report

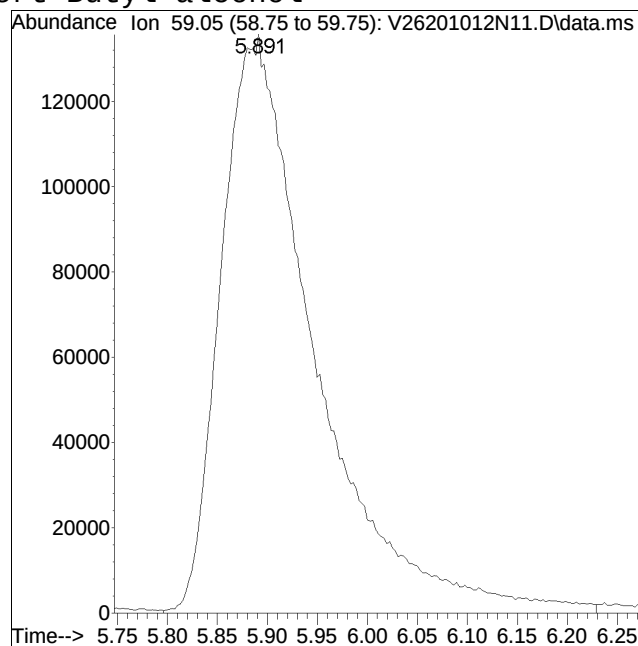
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N11.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 3:58 am Instrument : VOA126
Sample : I8260STD300PPB Quant Date : 10/13/2020 10:58 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 833999

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



Manual Peak Response = 891079 M1

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N16.D
 Acq On : 13 Oct 2020 07:16 am
 Operator : VOA126:JC
 Sample : C8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 13 17:10:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 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	109	0.00
2 TP	Dichlorodifluoromethane	0.193	0.158	18.1	84	0.00
3 TP	Chlorodifluoromethane	0.169	0.132	21.9#	87	0.00
4 TP	Chloromethane	0.181	0.177	2.2	118	0.01
5 TC	Vinyl chloride	0.238	0.233	2.1	105	0.00
6 TP	Bromomethane	0.132	0.135	-2.3	117	0.00
7 TP	Chloroethane	0.121	0.121	0.0	108	0.00
8 TP	Trichlorofluoromethane	0.308	0.320	-3.9	109	0.00
9 TP	Ethyl ether	0.098	0.108	-10.2	120	0.00
11 TC	1,1-Dichloroethene	0.185	0.182	1.6	107	0.00
12 TP	Carbon disulfide	* 40.000	62.810	-57.0#	162	0.00
13 TP	Freon-113	0.178	0.198	-11.2	115	0.00
14 TP	Iodomethane	0.166	0.239	-44.0#	147	0.00
15 TP	Acrolein	0.016	0.015#	6.3	97	0.00
16 TP	Allyl chloride	0.116	0.096	17.2	87	0.00
17 TP	Methylene chloride	0.222	0.208	6.3	109	0.00
19 TP	Acetone	* 40.000	44.154	-10.4	126	0.00
20 TP	trans-1,2-Dichloroethene	0.219	0.214	2.3	106	0.00
21 TP	Methyl acetate	0.078	0.087#	-11.5	123	0.00
22 TP	Hexane	0.244	0.201	17.6	83	0.00
23 TP	Methyl tert-butyl ether	0.496	0.528	-6.5	115	0.00
24 TP	tert-Butyl alcohol	0.015	0.016#	-6.7	117	0.00
25 TP	Diisopropyl ether	0.482	0.518	-7.5	117	0.00
26 TP	1,1-Dichloroethane	0.336	0.340	-1.2	111	0.00
27 TP	Halothane	0.171	0.177	-3.5	110	0.00
28 TP	Acrylonitrile	* 40.000	42.787	-7.0	117	0.00
29 TP	Ethyl tert-butyl ether	0.506	0.551	-8.9	118	0.00
30 TP	Vinyl acetate	0.250	0.273	-9.2	117	0.00
31 TP	cis-1,2-Dichloroethene	0.246	0.250	-1.6	112	0.00
32 TP	2,2-Dichloropropane	0.300	0.291	3.0	103	0.00
33 TP	Bromochloromethane	0.109	0.114	-4.6	115	0.00
34 TP	Cyclohexane	0.265	0.285	-7.5	111	0.00
35 TC	Chloroform	0.397	0.393	1.0	109	0.00
36 TP	Ethyl acetate	0.109	0.091	16.5	90	0.00
37 TP	Carbon tetrachloride	0.312	0.316	-1.3	105	0.00
38 TP	Tetrahydrofuran	* 40.000	41.698	-4.2	112	0.00
39 S	Dibromofluoromethane	0.262	0.262	0.0	109	0.00
40 TP	1,1,1-Trichloroethane	0.344	0.360	-4.7	111	0.00
42 TP	2-Butanone	* 40.000	42.295	-5.7	118	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N16.D
 Acq On : 13 Oct 2020 07:16 am
 Operator : VOA126:JC
 Sample : C8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 13 17:10:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 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 TP	1,1-Dichloropropene	0.283	0.291	-2.8	109	0.00
44 TP	Heptane	0.199	0.161	19.1	83	0.00
45 TP	Benzene	0.859	0.856	0.3	110	0.00
46 TP	tert-Amyl methyl ether	0.513	0.556	-8.4	117	0.00
47 S	1,2-Dichloroethane-d4	0.225	0.216	4.0	105	0.00
48 TP	1,2-Dichloroethane	0.253	0.247	2.4	110	0.00
51 TP	Methyl cyclohexane	0.329	0.338	-2.7	104	0.00
52 TP	Trichloroethene	0.235	0.240	-2.1	110	0.00
54 TP	Dibromomethane	0.126	0.129	-2.4	113	0.00
55 TC	1,2-Dichloropropane	0.197	0.198	-0.5	110	0.00
57 TP	2-Chloroethyl vinyl ether	0.086	0.075	12.8	97	0.00
58 TP	Bromodichloromethane	0.298	0.299	-0.3	106	0.00
60 TP	Methyl methacrylate	0.116	0.103	11.2	94	0.00
61 TP	1,4-Dioxane	0.00187	0.00172#	8.0	90	0.00
62 TP	cis-1,3-Dichloropropene	0.329	0.338	-2.7	107	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64 TP	Octane	0.275	0.224	18.5	86	0.00
65 S	Toluene-d8	1.270	1.253	1.3	108	0.00
66 TC	Toluene	0.725	0.738	-1.8	112	0.00
67 TP	4-Methyl-2-pentanone	0.066	0.072#	-9.1	117	0.00
68 TP	Tetrachloroethene	0.347	0.349	-0.6	112	0.00
69 TP	2-Nitropropane	0.040	0.032	20.0	89	0.00
71 TP	trans-1,3-Dichloropropene	0.363	0.386	-6.3	113	0.00
72 TP	Methyl isothiocyanate	0.134	0.113	15.7	88	0.00
74 TP	Ethyl methacrylate	0.281	0.311	-10.7	116	0.00
75 TP	1,1,2-Trichloroethane	0.187	0.192	-2.7	112	0.00
76 TP	Chlorodibromomethane	0.273	0.307	-12.5	115	0.00
77 TP	1,3-Dichloropropane	0.372	0.376	-1.1	110	0.00
78 TP	1,2-Dibromoethane	0.220	0.229	-4.1	113	0.00
79 TP	n-Butyl Acetate	0.270	0.246	8.9	97	0.00
80 TP	2-Hexanone	0.110	0.118	-7.3	117	0.00
81 TP	Nonane	0.401	0.316	21.2#	86	0.00
82 TP	Chlorobenzene	0.837	0.848	-1.3	112	0.00
83 TC	Ethylbenzene	1.391	1.414	-1.7	110	0.00
84 TP	1,1,1,2-Tetrachloroethane	0.293	0.315	-7.5	112	0.00
85 TP	p/m Xylene	0.555	0.560	-0.9	110	0.00
86 TP	o Xylene	0.517	0.539	-4.3	113	0.00
87 TP	Styrene	0.849	0.912	-7.4	113	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N16.D
 Acq On : 13 Oct 2020 07:16 am
 Operator : VOA126:JC
 Sample : C8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 13 17:10:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 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)
88 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
89 TP	Bromoform	0.329	0.360	-9.4	114	0.00
91 TP	Isopropylbenzene	2.652	2.682	-1.1	109	0.00
92 S	4-Bromofluorobenzene	0.889	0.868	2.4	107	0.00
93 TP	Bromobenzene	0.670	0.684	-2.1	110	0.00
94 TP	Decane	0.877	0.703	19.8	86	0.00
95 TP	n-Propylbenzene	3.121	3.094	0.9	107	0.00
96 TP	1,4-Dichlorobutane	0.533	0.579	-8.6	119	0.00
97 TP	1,1,2,2-Tetrachloroethane	0.505	0.511	-1.2	108	0.00
98 TP	4-Ethyltoluene	2.576	2.597	-0.8	108	0.00
99 TP	2-Chlorotoluene	2.107	1.999	5.1	106	0.00
100 TP	1,3,5-Trimethylbenzene	2.266	2.207	2.6	106	0.00
101 TP	1,2,3-Trichloropropane	0.371	0.373	-0.5	110	0.00
102 TP	trans-1,4-Dichloro-2-butene	0.118	0.120	-1.7	109	0.00
103 TP	4-Chlorotoluene	1.898	1.816	4.3	105	0.00
104 TP	tert-Butylbenzene	1.938	1.975	-1.9	109	0.00
107 TP	1,2,4-Trimethylbenzene	2.208	2.239	-1.4	110	0.00
108 TP	Limonene	0.704	0.674	4.3	98	0.00
109 TP	sec-Butylbenzene	2.871	2.877	-0.2	106	0.00
110 TP	p-Isopropyltoluene	2.498	2.437	2.4	104	0.00
111 TP	1,3-Dichlorobenzene	1.333	1.278	4.1	105	0.00
112 TP	1,4-Dichlorobenzene	1.319	1.257	4.7	104	0.00
113 TP	trans-Decahydronaphthalene	0.695	0.603	13.2	93	0.00
114 TP	Undecane	0.790	0.707	10.5	93	0.00
115 TP	p-Diethylbenzene	1.532	1.410	8.0	101	0.00
116 TP	n-Butylbenzene	2.772	2.652	4.3	106	0.00
117 TP	Hexachloroethane	0.470	0.406	13.6	88	0.00
118 TP	1,2-Dichlorobenzene	1.214	1.185	2.4	106	0.00
119 TP	cis-Decahydronaphthalene	0.534	0.470	12.0	93	0.00
120 TP	1,2,4,5-Tetramethylbenzene	2.199	2.151	2.2	102	0.00
121 TP	1,2-Dibromo-3-chloropropane	0.086	0.093	-8.1	112	0.00
122 TP	1,3,5-Trichlorobenzene	0.918	0.860	6.3	101	0.00
123 TP	Nitrobenzene	* 40.000	31.100	22.2#	91	0.00
124 TP	Hexachlorobutadiene	0.462	0.453	1.9	104	0.00
125 TP	1,2,4-Trichlorobenzene	0.834	0.794	4.8	102	0.00
126 TP	Naphthalene	1.599	1.628	-1.8	105	0.00
127 TP	1,2,3-Trichlorobenzene	0.750	0.724	3.5	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N16.D
 Acq On : 13 Oct 2020 07:16 am
 Operator : VOA126:JC
 Sample : C8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 13 17:10:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 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)

* Evaluation of CC level amount vs concentration.				
(#) = Out of Range SPCC's out = 5 CCC's out = 0				

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N16.D
 Acq On : 13 Oct 2020 07:16 am
 Operator : VOA126:JC
 Sample : C8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 13 17:10:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.541	96	703560	20.000	ug/L	0.00
Standard Area 1 = 647844			Recovery	=	108.60%	
63) Chlorobenzene-d5	18.237	117	559024	20.000	ug/L	0.00
Standard Area 1 = 511378			Recovery	=	109.32%	
88) 1,4-Dichlorobenzene-d4	23.892	152	300605	20.000	ug/L	0.00
Standard Area 1 = 281015			Recovery	=	106.97%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.901	113	184336	19.993	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	99.96%	
47) 1,2-Dichloroethane-d4	10.903	65	151852	19.184	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	95.92%	
65) Toluene-d8	14.871	98	700194	19.721	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	98.61%	
92) 4-Bromofluorobenzene	21.070	95	260863	19.528	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	97.64%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.690	85	222663	32.786	ug/L	94
3) Chlorodifluoromethane	2.684	51	185532	31.264	ug/L #	90
4) Chloromethane	3.083	50	249256M1	39.081	ug/L	
5) Vinyl chloride	3.237	62	328389	39.278	ug/L	98
6) Bromomethane	3.959	94	189348	40.659	ug/L	97
7) Chloroethane	4.098	64	170360	40.151	ug/L	98
8) Trichlorofluoromethane	4.536	101	449917	41.586	ug/L	97
9) Ethyl ether	5.088	74	151488	43.762	ug/L	78
11) 1,1-Dichloroethene	5.663	96	256123	39.447	ug/L	82
12) Carbon disulfide	6.586	76	1011330	62.810	ug/L	99
13) Freon-113	5.334	101	279239	44.472	ug/L	94
14) Iodomethane	6.240	142	336547	57.586	ug/L	97
15) Acrolein	5.348	56	20818M1	36.880	ug/L	
16) Allyl chloride	6.371	76	134976	33.201	ug/L #	53
17) Methylene chloride	6.591	84	292319	37.455	ug/L	79
19) Acetone	5.487	43	50524M1	44.154	ug/L	
20) trans-1,2-Dichloroethene	7.146	96	301323	39.042	ug/L	86
21) Methyl acetate	6.324	43	122367	44.319	ug/L #	85
22) Hexane	7.261	57	283456	33.006	ug/L	96
23) Methyl tert-butyl ether	6.879	73	742515	42.541	ug/L	88
24) tert-Butyl alcohol	5.863	59	114529M1	218.281	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N16.D
 Acq On : 13 Oct 2020 07:16 am
 Operator : VOA126:JC
 Sample : C8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 13 17:10:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Diisopropyl ether	7.763	45	728547	42.955	ug/L	# 91
26) 1,1-Dichloroethane	7.977	63	478171	40.470	ug/L	97
27) Halothane	7.074	117	249505	41.528	ug/L	100
28) Acrylonitrile	6.859	53	63666	42.787	ug/L	97
29) Ethyl tert-butyl ether	8.560	59	775482	43.559	ug/L	91
30) Vinyl acetate	8.000	43	383532	43.683	ug/L	# 86
31) cis-1,2-Dichloroethene	9.162	96	351101	40.500	ug/L	# 81
32) 2,2-Dichloropropane	9.062	77	409657	38.868	ug/L	85
33) Bromochloromethane	9.798	128	160510	41.945	ug/L	# 77
34) Cyclohexane	10.258	56	401137	43.097	ug/L	72
35) Chloroform	9.469	83	553340	39.613	ug/L	96
36) Ethyl acetate	9.157	43	128425	33.637	ug/L	# 92
37) Carbon tetrachloride	10.752	117	445192	40.558	ug/L	99
38) Tetrahydrofuran	9.888	42	48732	41.698	ug/L	# 75
40) 1,1,1-Trichloroethane	10.250	97	506968	41.902	ug/L	95
42) 2-Butanone	8.831	43	74912	42.295	ug/L	# 81
43) 1,1-Dichloropropene	10.565	75	409197	41.102	ug/L	98
44) Heptane	10.886	71	226152	32.269	ug/L	# 82
45) Benzene	11.103	78	1204178	39.839	ug/L	92
46) tert-Amyl methyl ether	10.802	73	781955	43.330	ug/L	96
48) 1,2-Dichloroethane	11.092	62	347490	39.019	ug/L	98
51) Methyl cyclohexane	12.448	83	474961	41.057	ug/L	# 79
52) Trichloroethene	12.347	95	338251	40.916	ug/L	98
54) Dibromomethane	13.323	93	181980	41.131	ug/L	93
55) 1,2-Dichloropropane	12.726	63	278428	40.204	ug/L	95
57) 2-Chloroethyl vinyl ether	13.881	63	105706	35.010	ug/L	# 80
58) Bromodichloromethane	13.212	83	421147	40.148	ug/L	99
60) Methyl methacrylate	12.866	69	145482	35.777	ug/L	# 73
61) 1,4-Dioxane	13.279	88	120732	1833.157	ug/L	# 83
62) cis-1,3-Dichloropropene	14.369	75	475988	41.137	ug/L	# 86
64) Octane	14.575	85	250485	32.539	ug/L	# 84
66) Toluene	15.044	92	824845	40.718	ug/L	97
67) 4-Methyl-2-pentanone	13.939	58	80920	43.578	ug/L	# 86
68) Tetrachloroethene	16.466	166	390060	40.218	ug/L	98
69) 2-Nitropropane	13.373	41	36152	32.577	ug/L	96
71) trans-1,3-Dichloropropene	15.465	75	431131	42.525	ug/L	# 81
72) Methyl isothiocyanate	15.356	73	125955	33.528	ug/L	# 95
74) Ethyl methacrylate	15.451	69	347452	44.290	ug/L	96
75) 1,1,2-Trichloroethane	15.802	83	214710	41.137	ug/L	98
76) Chlorodibromomethane	16.929	129	342721	44.875	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N16.D
 Acq On : 13 Oct 2020 07:16 am
 Operator : VOA126:JC
 Sample : C8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 13 17:10:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 1,3-Dichloropropane	16.366	76	420211	40.387	ug/L	100
78) 1,2-Dibromoethane	17.384	107	256503	41.681	ug/L	99
79) n-Butyl Acetate	16.377	43	275039	36.498	ug/L #	90
80) 2-Hexanone	15.830	43	132316	43.182	ug/L	90
81) Nonane	18.022	57	353815	31.576	ug/L #	83
82) Chlorobenzene	18.323	112	948216	40.525	ug/L	96
83) Ethylbenzene	18.452	91	1580814	40.650	ug/L	99
84) 1,1,1,2-Tetrachloroethane	18.429	131	352635	43.031	ug/L	98
85) p/m Xylene	18.630	106	1251112	80.676	ug/L	92
86) o Xylene	19.637	106	1204427	83.380	ug/L	90
87) Styrene	19.726	104	2039057	85.943	ug/L	93
89) Bromoform	20.501	173	216616	43.860	ug/L	100
91) Isopropylbenzene	20.482	105	1612263	40.447	ug/L	98
93) Bromobenzene	21.514	156	411358	40.823	ug/L	99
94) Decane	21.182	57	422643	32.060	ug/L #	86
95) n-Propylbenzene	21.433	91	1859852	39.650	ug/L	98
96) 1,4-Dichlorobutane	20.730	55	348330	43.462	ug/L	97
97) 1,1,2,2-Tetrachloroethane	20.911	83	307424	40.516	ug/L	99
98) 4-Ethyltoluene	21.709	105	1561380	40.324	ug/L	98
99) 2-Chlorotoluene	21.840	91	1201649	37.949	ug/L	99
100) 1,3,5-Trimethylbenzene	21.815	105	1326658	38.948	ug/L	98
101) 1,2,3-Trichloropropane	21.257	75	224010	40.204	ug/L	94
102) trans-1,4-Dichloro-2-b...	21.441	53	72323	40.759	ug/L #	78
103) 4-Chlorotoluene	21.957	91	1091759	38.262	ug/L	99
104) tert-Butylbenzene	22.657	119	1187594	40.777	ug/L	99
107) 1,2,4-Trimethylbenzene	22.752	105	1346023	40.554	ug/L	98
108) Limonene	23.321	68	405077	38.296	ug/L	91
109) sec-Butylbenzene	23.173	105	1729384	40.074	ug/L	99
110) p-Isopropyltoluene	23.510	119	1465293	39.029	ug/L	99
111) 1,3-Dichlorobenzene	23.714	146	768486	38.355	ug/L	98
112) 1,4-Dichlorobenzene	23.968	146	755671	38.130	ug/L	99
113) trans-Decahydronaphtha...	24.450	138	362255	34.664	ug/L	89
114) Undecane	24.082	57	425231	35.819	ug/L #	84
115) p-Diethylbenzene	24.509	119	847768	36.817	ug/L	97
116) n-Butylbenzene	24.483	91	1594668	38.269	ug/L	98
117) Hexachloroethane	25.599	117	243952	34.528	ug/L	87
118) 1,2-Dichlorobenzene	24.821	146	712223	39.020	ug/L	98
119) cis-Decahydronaphthalene	25.897	138	282637	35.226	ug/L	87
120) 1,2,4,5-Tetramethylben...	26.204	119	1293062	39.123	ug/L	97
121) 1,2-Dibromo-3-chloropr...	26.547	155	56161	43.604	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
 Data File : V26201012N16.D
 Acq On : 13 Oct 2020 07:16 am
 Operator : VOA126:JC
 Sample : C8260STD40PPB
 Misc : WG1421526,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 13 17:10:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201012N\V26201012N08.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.013	180	516970	37.462	ug/L	97
123)	Nitrobenzene	26.731	77	10746	31.100	ug/L	96
124)	Hexachlorobutadiene	28.468	225	272513	39.203	ug/L	100
125)	1,2,4-Trichlorobenzene	28.215	180	477567	38.116	ug/L	99
126)	Naphthalene	28.669	128	978586	40.708	ug/L	100
127)	1,2,3-Trichlorobenzene	29.102	180	435327	38.643	ug/L	99

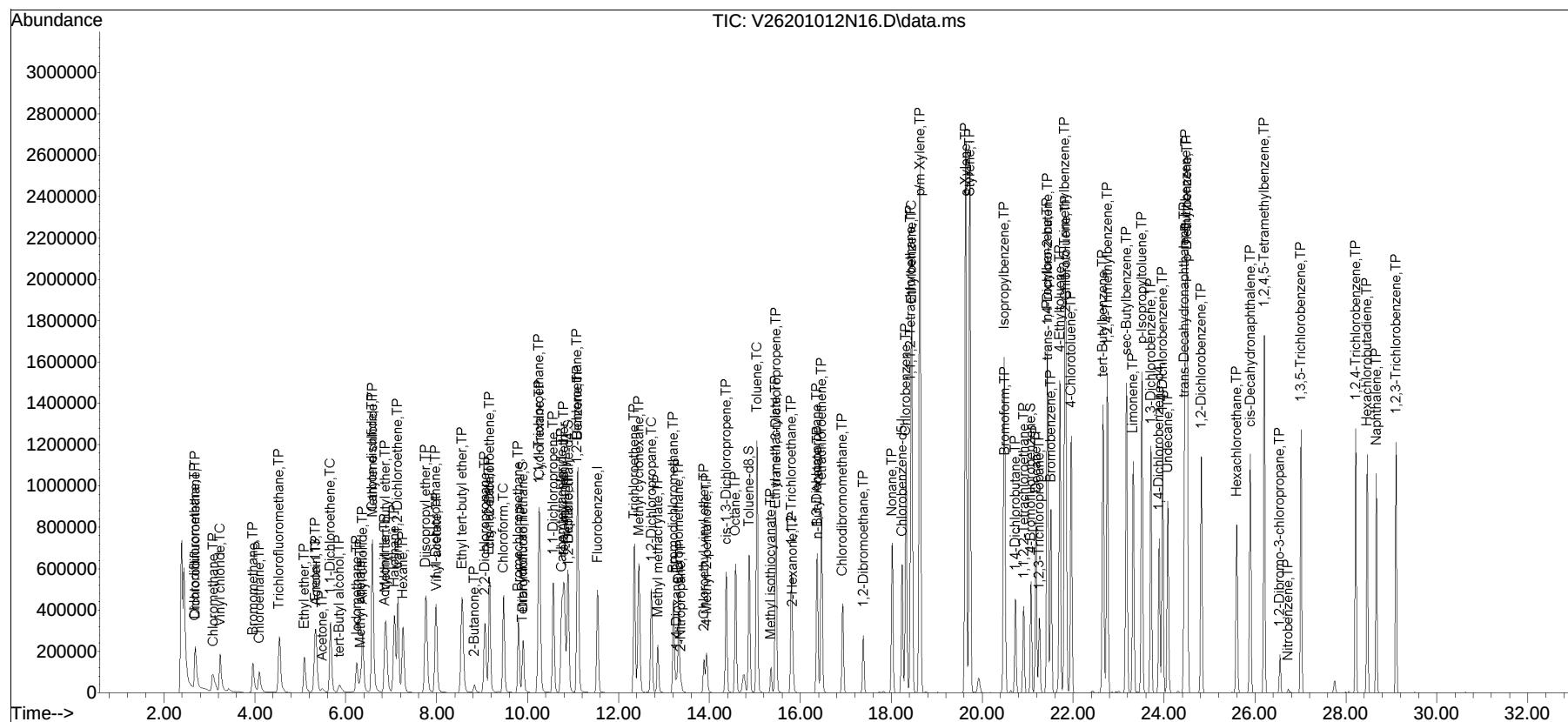
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201012N\
Data File : V26201012N16.D
Acq On : 13 Oct 2020 07:16 am
Operator : VOA126:JC
Sample : C8260STD40PPB
Misc : WG1421526,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 13 17:10:33 2020
Quant Method : I:\VOLATILES\VOA126\2020\201012N\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 17:03:21 2020
Response via : Initial Calibration

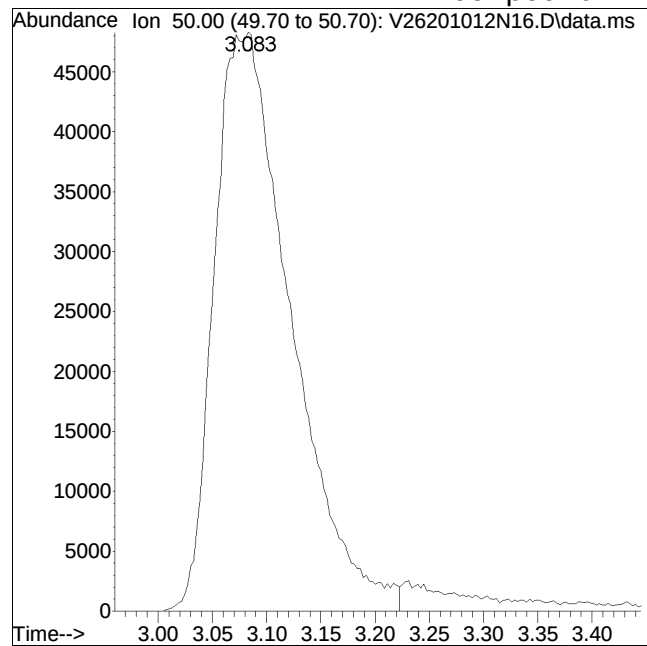
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01012N08.D•



Manual Integration Report

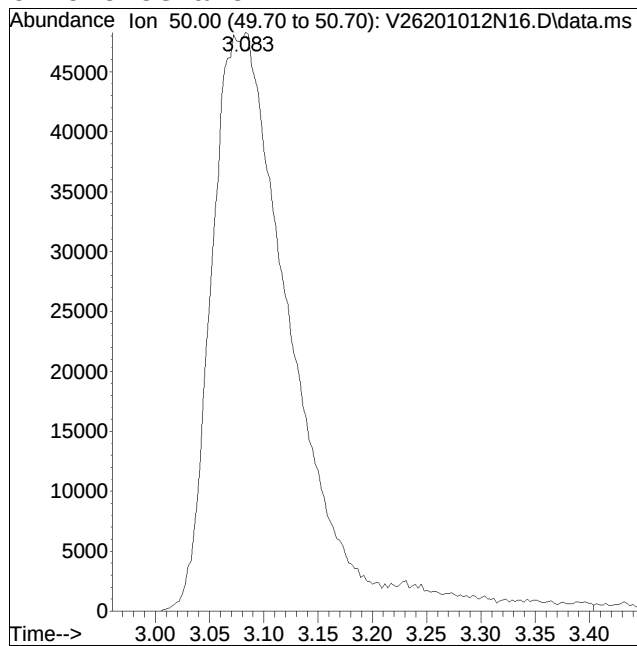
Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_201012N_8260Suff.m
Data File : V26201012N16.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 7:16 am Instrument : VOA126
Sample : C8260STD40PPB Quant Date : 10/13/2020 5:04 pm

Compound #4: Chloromethane



Original Peak Response = 236663

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

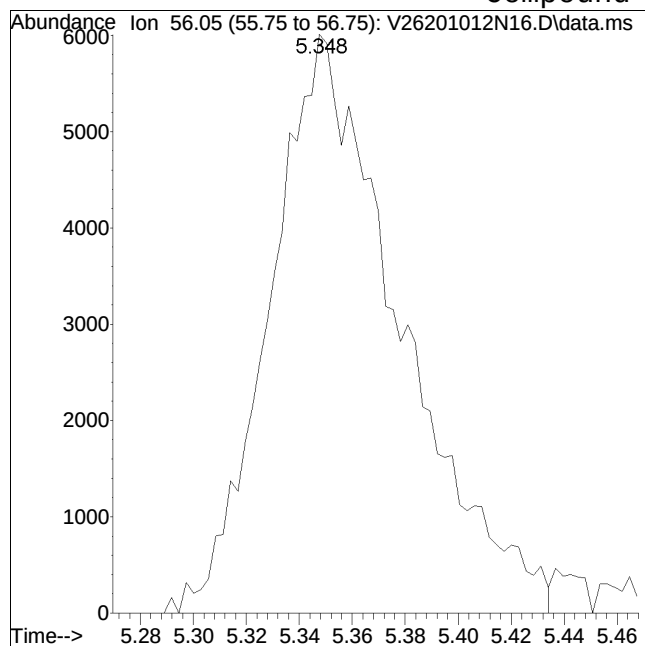


Manual Peak Response = 249256 M1

Manual Integration Report

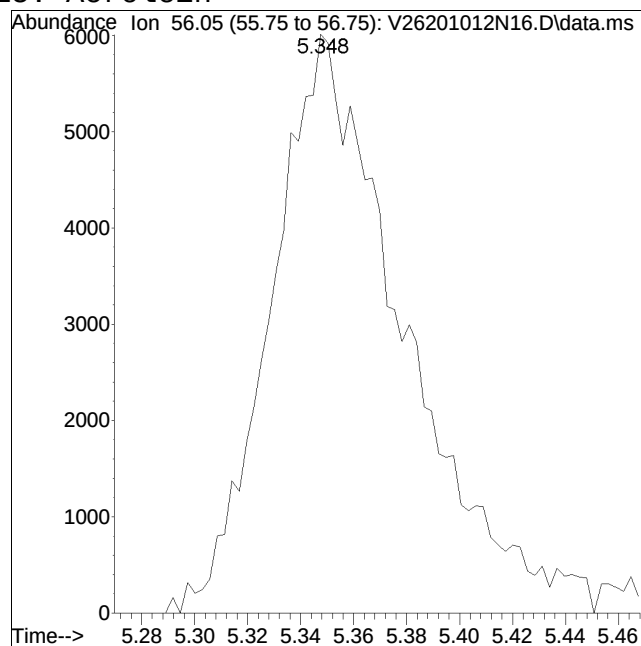
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N16.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 7:16 am Instrument : VOA126
Sample : C8260STD40PPB Quant Date : 10/13/2020 5:04 pm

Compound #15: Acrolein



Original Peak Response = 20486

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

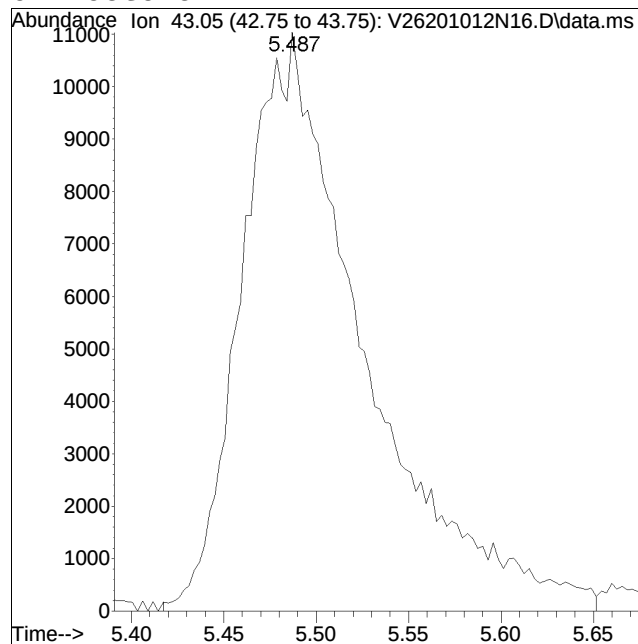
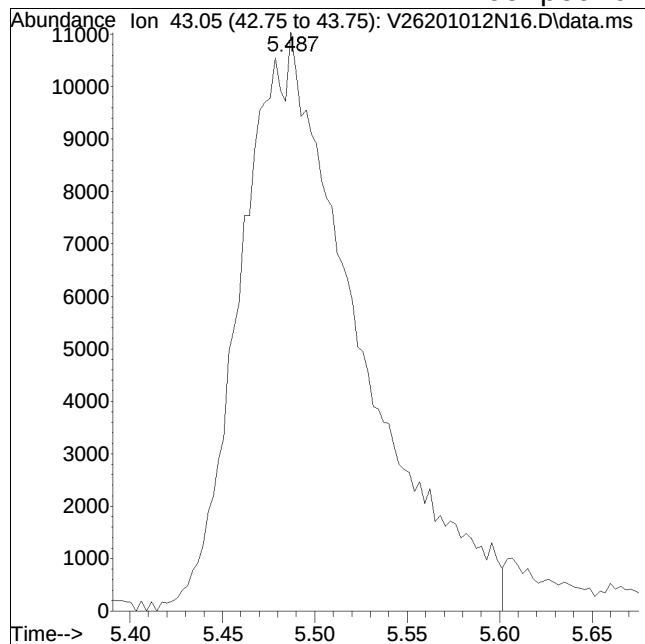


Manual Peak Response = 20818 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20 Method : V126_201012N_8260Suff.m
Data File : V26201012N16.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 7:16 am Instrument : VOA126
Sample : C8260STD40PPB Quant Date : 10/13/2020 5:04 pm

Compound #19: Acetone



Original Peak Response = 48734

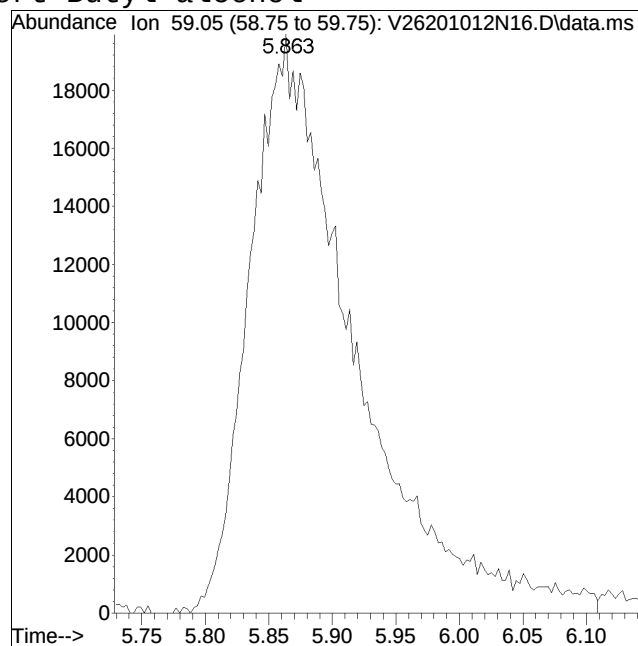
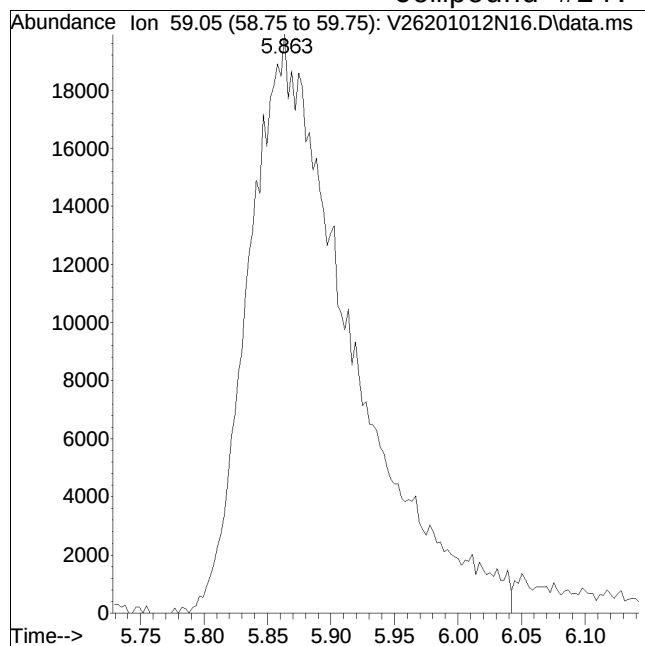
Manual Peak Response = 50524 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201012N16.D Operator : VOA126:JC
Date Inj'd : 10/13/2020 7:16 am Instrument : VOA126
Sample : C8260STD40PPB Quant Date : 10/13/2020 5:04 pm

Compound #24: tert-Butyl alcohol



Original Peak Response = 111090

Manual Peak Response = 114529 M1

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

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Method File : V111_201028P_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Oct 29 12:26:02 2020
 Response Via : Initial Calibration

Calibration Files

L1 =V11201028P04.D L2 =V11201028P06.D L3 =V11201028P07.D L4 =V11201028P08.D L1.5=V11201028P05.D
 L6 =V11201028P09.D L7 =V11201028P10.D L8 =V11201028P11.D L0 =V11201028P03.D

Compound		L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
-----ISTD-----												
1) I	Fluorobenzene											
2) TP	Dichlorodifluo...	0.145	0.150	0.154	0.151	0.161	0.147	0.151	0.149	0.151	3.13	
3) TP	Chloromethane	0.180	0.159	0.167	0.163	0.178	0.161	0.166	0.163	0.167	4.64	
4) TC	Vinyl chloride	0.226	0.204	0.213	0.209	0.217	0.207	0.212	0.208	0.212	3.23	
5) TP	Bromomethane	0.288	0.213	0.191	0.176	0.241	0.176	0.179	0.179	0.205	19.59	
6) TP	Chloroethane	0.162	0.166	0.179	0.178	0.188	0.182	0.185	0.122	0.170	12.52	
7) TP	Trichlorofluor...	0.300	0.268	0.271	0.268	0.289	0.273	0.296	0.312	0.285	5.94	
8) TP	Ethyl ether	0.081	0.084	0.094	0.094	0.080	0.095	0.102	0.102	0.092	9.63	
10) TP	1,1-Dichloroet...	0.161	0.141	0.149	0.147	0.144	0.149	0.156	0.156	0.150	4.38	
11) TP	Carbon disulfide	0.546	0.401	0.387	0.382	0.461	0.380	0.400	0.399	0.420	13.67	
12) TP	Freon-113	0.155	0.155	0.159	0.156	0.155	0.161	0.160		0.157	1.64	
14) TP	Acrolein		0.012	0.017	0.019		0.019	0.021	0.021	0.018#	19.99	
15) TP	Methylene chlo...	0.214	0.181	0.187	0.187	0.191	0.187	0.194	0.190	0.192	5.17	
17) TP	Acetone	0.115	0.051	0.039	0.039	0.081	0.039	0.040	0.039	*L	0.9991	
18) TP	trans-1,2-Dich...	0.173	0.165	0.176	0.177	0.165	0.178	0.186	0.185	0.176	4.56	
19) TP	Methyl acetate	0.093	0.091	0.096	0.105	0.084	0.104	0.111	0.112	0.099#	10.05	
20) TP	Methyl tert-bu...	0.441	0.402	0.448	0.467	0.404	0.477	0.511	0.510	0.458	9.15	
21) TP	tert-Butyl alc...		0.013	0.015	0.016	0.011	0.017	0.018	0.018	0.015#	18.52	
22) TP	Diisopropyl ether	0.515	0.482	0.557	0.576	0.501	0.591	0.628	0.628	0.560	10.06	
23) TC	1,1-Dichloroet...	0.330	0.296	0.322	0.318	0.309	0.318	0.331	0.327	0.319	3.76	
24) TP	Halothane	0.123	0.130	0.143	0.138	0.135	0.139	0.144	0.143	0.137	5.36	
25) TP	Acrylonitrile		0.034	0.044	0.049		0.049	0.053	0.053	0.047#	15.29	
26) TP	Ethyl tert-but...	0.461	0.452	0.519	0.542	0.448	0.563	0.608	0.613	0.526	12.82	
27) TP	Vinyl acetate	0.300	0.330	0.385	0.416	0.323	0.426	0.472	0.478	0.391	17.40	
28) TP	cis-1,2-Dichlo...	0.198	0.182	0.203	0.203	0.184	0.203	0.215	0.213	0.200	6.03	
29) TP	2,2-Dichloropr...	0.249	0.239	0.252	0.255	0.246	0.254	0.266	0.265	0.253	3.60	
30) TP	Bromochloromet...	0.083	0.091	0.100	0.100	0.092	0.100	0.106	0.106	0.097	8.31	
31) TP	Cyclohexane	0.248	0.242	0.264	0.271	0.252	0.276	0.294	0.295	0.268	7.44	
32) TC	Chloroform	0.338	0.310	0.330	0.331	0.324	0.326	0.339	0.337	0.329	2.95	
33) TP	Ethyl acetate	0.111	0.128	0.145	0.154	0.119	0.156	0.170	0.168	0.144	15.57	
34) TP	Carbon tetrach...	0.255	0.248	0.257	0.256	0.263	0.257	0.269	0.268	0.259	2.72	

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Method File : V111_201028P_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Oct 29 12:26:02 2020
 Response Via : Initial Calibration

Calibration Files

L1 =V11201028P04.D L2 =V11201028P06.D L3 =V11201028P07.D L4 =V11201028P08.D L1.5=V11201028P05.D
 L6 =V11201028P09.D L7 =V11201028P10.D L8 =V11201028P11.D L0 =V11201028P03.D

	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
35)	TP Tetrahydrofuran	0.034	0.050	0.052	0.033	0.053	0.058	0.058		*L	0.9986	
36)	S Dibromofluorom...	0.256	0.254	0.252	0.255	0.254	0.258	0.257	0.260	0.248	0.255	1.45
37)	TP 1,1,1-Trichlor...	0.263	0.258	0.278	0.275	0.274	0.273	0.284	0.282	0.183	0.263	11.93
39)	TP 2-Butanone	0.048	0.061	0.067	0.046	0.066	0.069	0.068		*L	0.9997	
40)	TP 1,1-Dichloropr...	0.229	0.207	0.225	0.231	0.211	0.231	0.245	0.244	0.146	0.219	13.73
41)	TP Benzene	0.729	0.651	0.716	0.711	0.687	0.714	0.750	0.743	0.549	0.694	8.94
42)	TP tert-Amyl meth...	0.414	0.380	0.450	0.482	0.394	0.495	0.535	0.537		0.461	13.27
43)	S 1,2-Dichloroet...	0.246	0.247	0.240	0.245	0.244	0.246	0.254	0.263	0.241	0.247	2.85
44)	TP 1,2-Dichloroet...	0.260	0.235	0.245	0.250	0.231	0.252	0.263	0.259		0.249	4.72
47)	TP Methyl cyclohe...	0.271	0.243	0.276	0.282	0.256	0.288	0.308	0.313		0.280	8.50
48)	TP Trichloroethene	0.169	0.174	0.189	0.189	0.179	0.191	0.202	0.204	0.095	0.177#	18.68
50)	TP Dibromomethane	0.077	0.100	0.110	0.115	0.099	0.115	0.123	0.123		0.108	14.40
51)	TC 1,2-Dichloropr...	0.169	0.169	0.189	0.192	0.171	0.194	0.205	0.205		0.187	8.18
53)	TP 2-Chloroethyl ...		0.086	0.100		0.105	0.118	0.120			0.106	13.11
54)	TP Bromodichlorom...	0.234	0.232	0.264	0.266	0.242	0.270	0.289	0.287	0.144	0.248	17.91
57)	TP 1,4-Dioxane	0.001	0.001	0.002	0.001	0.002	0.002	0.002	0.002		*L	0.9984
58)	TP cis-1,3-Dichlo...	0.229	0.250	0.292	0.306	0.248	0.315	0.338	0.338	0.129	*L	0.9985
59)	I Chlorobenzene-d5	-----ISTD-----										
60)	S Toluene-d8	1.307	1.304	1.314	1.288	1.308	1.273	1.245	1.233	1.319	1.288	2.42
61)	TC Toluene	0.667	0.566	0.624	0.612	0.620	0.607	0.633	0.626		0.619	4.53
62)	TP 4-Methyl-2-pen...		0.049	0.071	0.076	0.033	0.080	0.088	0.088		*L	0.9981
63)	TP Tetrachloroethene	0.239	0.242	0.276	0.266	0.254	0.265	0.276	0.275	0.133	0.247	18.24
65)	TP trans-1,3-Dich...	0.286	0.290	0.351	0.360	0.289	0.370	0.391	0.388		0.341	13.24
67)	TP Ethyl methacry...		0.189	0.250	0.271		0.287	0.312	0.312		0.270	17.15
68)	TP 1,1,2-Trichlor...	0.131	0.166	0.186	0.185	0.165	0.183	0.191	0.189		0.175	11.45
69)	TP Chlorodibromom...	0.236	0.239	0.270	0.275	0.221	0.277	0.294	0.289	0.095	*L	0.9994
70)	TP 1,3-Dichloropr...	0.327	0.332	0.368	0.367	0.342	0.366	0.381	0.375		0.357	5.75
71)	TP 1,2-Dibromoethane	0.153	0.189	0.219	0.221	0.181	0.219	0.229	0.224		0.205	13.21
72)	TP 2-Hexanone		0.083	0.118	0.133		0.139	0.151	0.148		0.129	19.72
73)	TP Chlorobenzene	0.751	0.693	0.733	0.721	0.720	0.721	0.752	0.742	0.587	0.713	7.12
74)	TC Ethylbenzene	1.107	1.029	1.167	1.166	1.065	1.172	1.229	1.216		1.144	6.19

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Method File : V111_201028P_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Oct 29 12:26:02 2020
 Response Via : Initial Calibration

Calibration Files

L1 =V11201028P04.D L2 =V11201028P06.D L3 =V11201028P07.D L4 =V11201028P08.D L1.5=V11201028P05.D
 L6 =V11201028P09.D L7 =V11201028P10.D L8 =V11201028P11.D L0 =V11201028P03.D

	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
75)	TP 1,1,1,2-Tetrac...	0.263	0.245	0.271	0.273	0.248	0.275	0.287	0.285	0.102	*L	0.9996
76)	TP p/m Xylene	0.412	0.389	0.463	0.466	0.399	0.476	0.510	0.517	0.291	0.436	16.29
77)	TP o Xylene	0.383	0.355	0.435	0.438	0.352	0.451	0.484	0.491	0.277	0.407	17.32
78)	TP Styrene	0.563	0.592	0.748	0.764	0.582	0.805	0.880	0.892	0.409	*Q	0.9995
79)	I 1,4-Dichlorobenzene-d4	-----ISTD-----										
80)	TP Bromoform	0.207	0.281	0.325	0.337	0.276	0.349	0.387	0.398		0.320	19.73
82)	TP Isopropylbenzene	2.220	2.015	2.301	2.219	2.113	2.241	2.346	2.325		2.223	5.02
83)	S 4-Bromofluorob...	0.884	0.895	0.869	0.838	0.883	0.834	0.821	0.819	0.901	0.861	3.79
84)	TP Bromobenzene	0.625	0.567	0.611	0.593	0.572	0.590	0.624	0.617		0.600	3.79
85)	TP n-Propylbenzene	2.766	2.498	2.786	2.674	2.601	2.703	2.848	2.849		2.716	4.51
86)	TP 1,4-Dichlorobu...	0.622	0.644	0.703	0.699	0.657	0.698	0.755	0.760		0.692	7.14
87)	TP 1,1,2,2-Tetrac...	0.526	0.516	0.556	0.543	0.528	0.526	0.554	0.544	0.281	0.508	16.99
88)	TP 4-Ethyltoluene	2.080	1.949	2.253	2.219	1.955	2.227	2.337	2.322		2.168	7.11
89)	TP 2-Chlorotoluene	1.913	1.739	1.917	1.836	1.846	1.824	1.920	1.912		1.863	3.45
90)	TP 1,3,5-Trimethy...	1.812	1.689	1.949	1.895	1.698	1.909	2.012	2.001		1.871	6.74
91)	TP 1,2,3-Trichlor...	0.405	0.392	0.425	0.415	0.412	0.406	0.434	0.432		0.415	3.47
92)	TP trans-1,4-Dich...		0.109	0.141	0.146	0.089	0.144	0.155	0.153		0.134	18.66
93)	TP 4-Chlorotoluene	1.658	1.519	1.723	1.648	1.559	1.654	1.735	1.710		1.651	4.68
94)	TP tert-Butylbenzene	1.576	1.448	1.642	1.607	1.450	1.607	1.685	1.679		1.587	5.84
97)	TP 1,2,4-Trimethy...	1.660	1.568	1.906	1.872	1.602	1.901	2.018	1.998		1.816	9.86
98)	TP sec-Butylbenzene	2.253	2.224	2.531	2.458	2.230	2.476	2.574	2.539		2.411	6.20
99)	TP p-Isopropyltol...	1.806	1.729	2.127	2.096	1.779	2.137	2.242	2.225		2.018	10.46
100)	TP 1,3-Dichlorobe...	1.169	1.107	1.210	1.173	1.125	1.184	1.251	1.231		1.181	4.18
101)	TP 1,4-Dichlorobe...	1.350	1.148	1.219	1.186	1.220	1.190	1.255	1.239		1.226	4.92
102)	TP p-Diethylbenzene	1.076	0.996	1.225	1.242	1.032	1.265	1.348	1.346		1.191	11.63
103)	TP n-Butylbenzene	1.729	1.681	1.922	1.898	1.709	1.919	2.013	1.995		1.858	7.11
104)	TP 1,2-Dichlorobe...	1.078	1.006	1.109	1.096	1.070	1.101	1.171	1.157		1.099	4.70
105)	TP 1,2,4,5-Tetram...	1.413	1.391	1.825	1.932	1.437	2.000	2.148	2.200		1.793	18.71
106)	TP 1,2-Dibromo-3-...		0.063	0.077	0.083	0.014	0.083	0.091	0.090		*L	0.9989
107)	TP 1,3,5-Trichlor...	0.788	0.711	0.784	0.792	0.741	0.800	0.845	0.847		0.788	5.86
108)	TP Hexachlorobuta...	0.381	0.340	0.366	0.362	0.366	0.368	0.397	0.413		0.374	6.04

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Method File : V111_201028P_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Oct 29 12:26:02 2020
 Response Via : Initial Calibration

Calibration Files

L1 =V11201028P04.D L2 =V11201028P06.D L3 =V11201028P07.D L4 =V11201028P08.D L1.5=V11201028P05.D
 L6 =V11201028P09.D L7 =V11201028P10.D L8 =V11201028P11.D L0 =V11201028P03.D

	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
109) TP	1,2,4-Trichlor...	0.692	0.610	0.700	0.736	0.604	0.752	0.831	0.855	0.722	12.66	
110) TP	Naphthalene	1.341	1.201	1.439	1.600	1.232	1.600	1.692	1.686	1.474	13.47	
111) TP	1,2,3-Trichlor...	0.596	0.555	0.621	0.661	0.582	0.659	0.695	0.697	0.633	8.35	

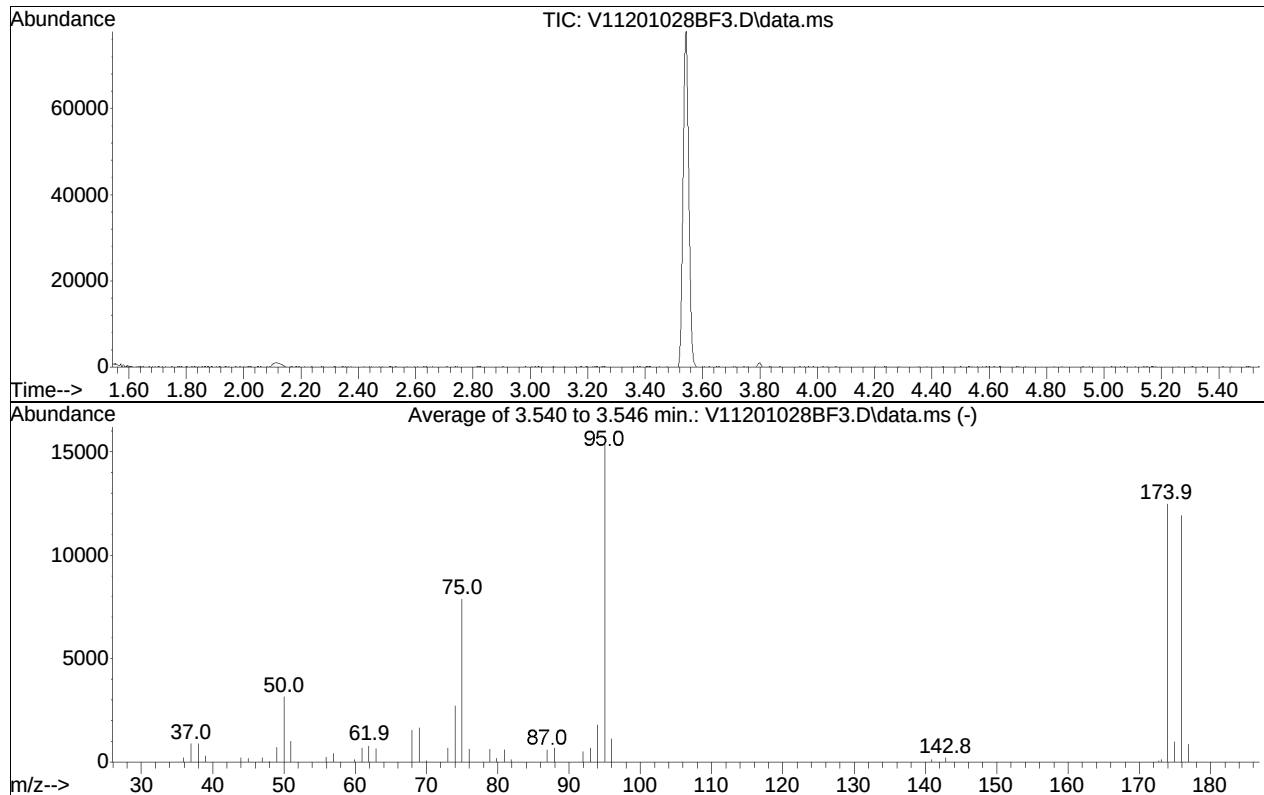
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
Data File : V11201028BF3.D
Acq On : 28 Oct 2020 05:13 pm
Operator : VOA111:JC
Sample : WG1428080-1
Misc : WG1428080,ICAL
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Oct 29 12:26:02 2020



Spectrum Information: Average of 3.540 to 3.546 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	3150	PASS
75	95	30	60	51.0	7876	PASS
95	95	100	100	100.0	15433	PASS
96	95	5	9	7.3	1133	PASS
173	174	0.00	2	1.1	139	PASS
174	95	50	100	80.9	12486	PASS
175	174	5	9	7.8	977	PASS
176	174	95	101	95.3	11899	PASS
177	176	5	9	7.2	856	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P03.D
 Acq On : 28 Oct 2020 06:27 pm
 Operator : VOA111:JC
 Sample : I8260STD0.5PPB
 Misc : WG1428080,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 30 08:46:14 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-L0 - SOILS Level 0.5ppb with Chlorodibromomethane

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

Internal Standards						
1) Fluorobenzene	5.445	96	107784	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery =	97.97%		
59) Chlorobenzene-d5	8.900	117	76675	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery =	93.25%		
79) 1,4-Dichlorobenzene-d4	11.737	152	35318	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery =	83.31%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	26690	19.432	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.16%		
43) 1,2-Dichloroethane-d4	5.167	65	25968	19.488	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.44%		
60) Toluene-d8	7.091	98	101120	20.483	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.42%		
83) 4-Bromofluorobenzene	10.457	95	31825	20.943	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	104.72%		
Target Compounds						Qvalue
37) 1,1,1-Trichloroethane	4.690	97	492	0.347	ug/L #	61
40) 1,1-Dichloropropene	4.810	75	394	0.334	ug/L #	41
41) Benzene	5.041	78	1479	0.395	ug/L #	60
48) Trichloroethene	5.613	95	255	0.268	ug/L #	66
54) Bromodichloromethane	6.221	83	387	0.290	ug/L #	85
58) cis-1,3-Dichloropropene	6.897	75	348	0.621	ug/L #	52
63) Tetrachloroethene	7.584	166	255	0.269	ug/L #	29
69) Chlorodibromomethane	8.014	129	183	0.523	ug/L #	47
73) Chlorobenzene	8.926	112	1125	0.411	ug/L #	51
75) 1,1,1,2-Tetrachloroethane	9.010	131	196	0.457	ug/L #	38
76) p/m Xylene	9.162	106	1116	0.668	ug/L	82
77) o Xylene	9.702	106	1061	0.680	ug/L	95
78) Styrene	9.776	104	1568	1.192	ug/L #	85
87) 1,1,2,2-Tetrachloroethane	10.730	83	248	0.276	ug/L #	25

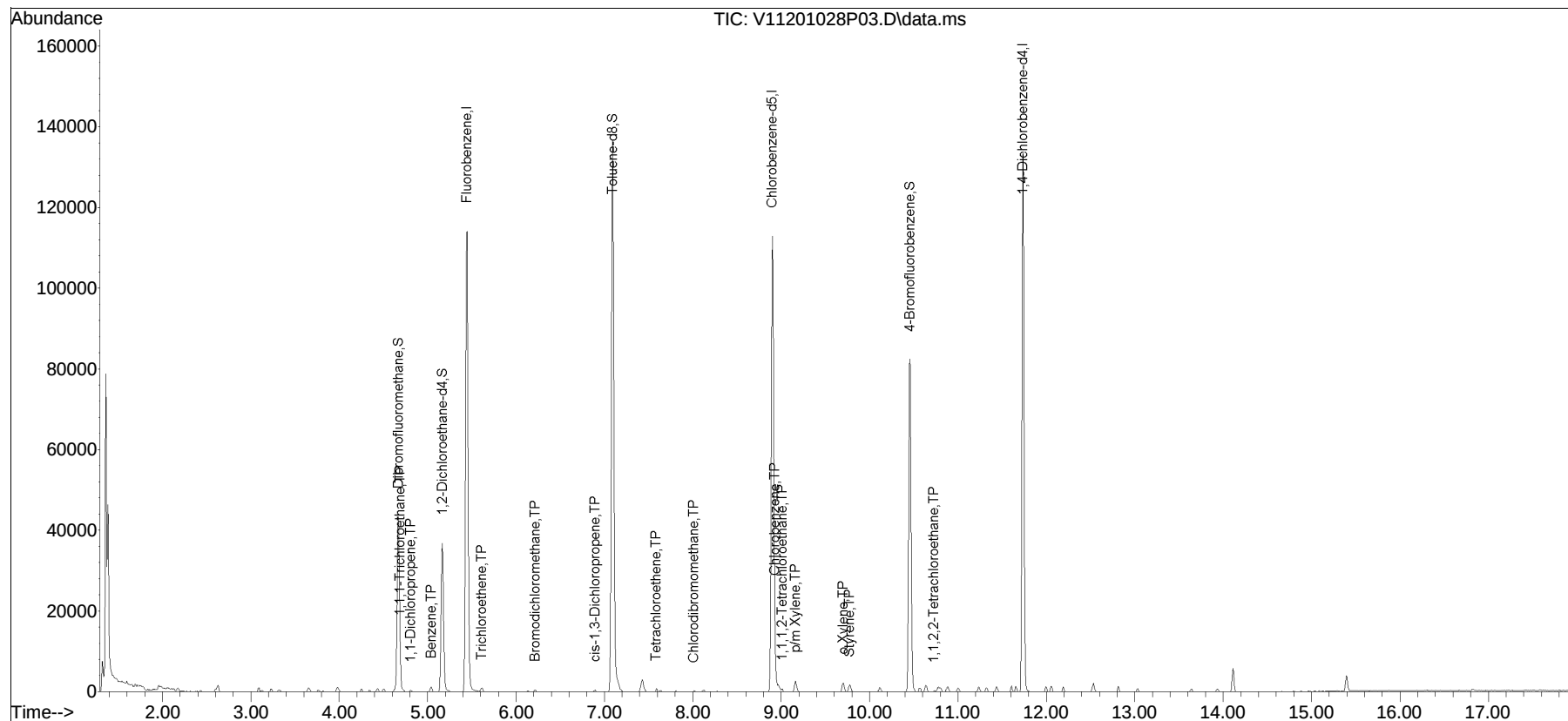
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P03.D
 Acq On : 28 Oct 2020 06:27 pm
 Operator : VOA111:JC
 Sample : I8260STD0.5PPB
 Misc : WG1428080,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 30 08:46:14 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

Sub List : 8260-L0 - SOILS Level 0.5ppb with Chlorodibromomethane•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\2Q	Method	: V111_201028P_8260.m
Data File	: V11201028P03.D	Operator	: VOA111:JC
Date Inj'd	: 10/28/2020 6:27 pm	Instrument	: VOA111
Sample	: I8260STD0.5PPB	Quant Date	: 10/30/2020 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P04.D
 Acq On : 28 Oct 2020 06:52 pm
 Operator : VOA111:JC
 Sample : I8260STD1.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 08:46:22 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.445	96	103909	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery	=	94.45%	
59) Chlorobenzene-d5	8.900	117	75198	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery	=	91.45%	
79) 1,4-Dichlorobenzene-d4	11.736	152	35218	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery	=	83.07%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	26549	20.050	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.25%	
43) 1,2-Dichloroethane-d4	5.167	65	25603	19.930	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.65%	
60) Toluene-d8	7.091	98	98247	20.292	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	101.46%	
83) 4-Bromofluorobenzene	10.452	95	31139	20.550	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.75%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	753	0.960	ug/L	# 71
3) Chloromethane	1.659	50	934	1.075	ug/L	# 68
4) Vinyl chloride	1.696	62	1174	1.066	ug/L	# 83
5) Bromomethane	1.958	94	1494	1.400	ug/L	# 92
6) Chloroethane	2.058	64	844	0.954	ug/L	# 70
7) Trichlorofluoromethane	2.173	101	1560	1.055	ug/L	# 96
8) Ethyl ether	2.435	74	423	0.888	ug/L	# 66
10) 1,1-Dichloroethene	2.598	96	836	1.071	ug/L	# 76
11) Carbon disulfide	2.624	76	2839	1.302	ug/L	# 90
12) Freon-113	2.634	101	804	0.986	ug/L	# 93
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	3.091	84	1113	1.118	ug/L	# 69
17) Acetone	3.122	43	600	1.128	ug/L	# 49
18) trans-1,2-Dichloroethene	3.237	96	899	0.986	ug/L	# 88
19) Methyl acetate	3.232	43	483	0.937	ug/L	# 66
20) Methyl tert-butyl ether	3.316	73	2293	0.964	ug/L	# 78
21) tert-Butyl alcohol	3.405	59	179	2.249	ug/L	# 53
22) Diisopropyl ether	3.657	45	2676	0.920	ug/L	# 92
23) 1,1-Dichloroethane	3.762	63	1715	1.036	ug/L	# 86
24) Halothane	3.819	117	637	0.897	ug/L	# 43
25) Acrylonitrile	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P04.D
 Acq On : 28 Oct 2020 06:52 pm
 Operator : VOA111:JC
 Sample : I8260STD1.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 08:46:22 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	2395	0.877	ug/L	89
27) Vinyl acetate	3.992	43	1561	0.768	ug/L #	83
28) cis-1,2-Dichloroethene	4.249	96	1031	0.991	ug/L	80
29) 2,2-Dichloropropane	4.344	77	1295	0.984	ug/L	92
30) Bromochloromethane	4.428	128	430	0.852	ug/L #	71
31) Cyclohexane	4.438	56	1289	0.926	ug/L #	69
32) Chloroform	4.501	83	1755	1.026	ug/L #	84
33) Ethyl acetate	4.616	43	575	0.769	ug/L #	71
34) Carbon tetrachloride	4.622	117	1325	0.984	ug/L #	89
35) Tetrahydrofuran	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	4.690	97	1365	0.998	ug/L #	91
39) 2-Butanone	0.000		0	N.D. d		
40) 1,1-Dichloropropene	4.805	75	1190	1.047	ug/L #	75
41) Benzene	5.041	78	3786	1.050	ug/L #	87
42) tert-Amyl methyl ether	5.156	73	2150	0.898	ug/L #	83
44) 1,2-Dichloroethane	5.235	62	1351	1.043	ug/L #	85
47) Methyl cyclohexane	5.613	83	1410	0.970	ug/L #	68
48) Trichloroethene	5.623	95	876	0.954	ug/L	94
50) Dibromomethane	6.037	93	398	0.711	ug/L #	89
51) 1,2-Dichloropropane	6.132	63	876	0.904	ug/L	98
53) 2-Chloroethyl vinyl ether	0.000		0	N.D. d		
54) Bromodichloromethane	6.210	83	1215	0.945	ug/L #	92
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	6.892	75	1190	1.116	ug/L #	85
61) Toluene	7.149	92	2507	1.077	ug/L	96
62) 4-Methyl-2-pentanone	7.589	58	48	1.804	ug/L #	1
63) Tetrachloroethene	7.584	166	897	0.965	ug/L	87
65) trans-1,3-Dichloropropene	7.631	75	1076	0.840	ug/L #	75
67) Ethyl methacrylate	7.846	69	509	0.501	ug/L #	87
68) 1,1,2-Trichloroethane	7.804	83	494	0.753	ug/L #	79
69) Chlorodibromomethane	8.014	129	887	1.176	ug/L #	85
70) 1,3-Dichloropropane	8.119	76	1229	0.915	ug/L #	70
71) 1,2-Dibromoethane	8.276	107	576	0.749	ug/L	92
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	8.921	112	2822	1.052	ug/L #	78
74) Ethylbenzene	8.968	91	4161	0.968	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.010	131	989	1.205	ug/L #	62
76) p/m Xylene	9.157	106	3101	1.891	ug/L	95
77) o Xylene	9.702	106	2881	1.882	ug/L	95
78) Styrene	9.770	104	4231	2.124	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P04.D
 Acq On : 28 Oct 2020 06:52 pm
 Operator : VOA111:JC
 Sample : I8260STD1.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 08:46:22 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
80)	Bromoform	9.786	173	365	0.648	ug/L	#	29
82)	Isopropylbenzene	10.111	105	3910	0.999	ug/L		93
84)	Bromobenzene	10.567	156	1101	1.042	ug/L		96
85)	n-Propylbenzene	10.635	91	4871	1.019	ug/L		97
86)	1,4-Dichlorobutane	10.646	55	1096	0.899	ug/L	#	68
87)	1,1,2,2-Tetrachloroethane	10.735	83	927	1.036	ug/L	#	88
88)	4-Ethyltoluene	10.772	105	3663	0.960	ug/L		97
89)	2-Chlorotoluene	10.798	91	3368	1.026	ug/L		98
90)	1,3,5-Trimethylbenzene	10.882	105	3191	0.969	ug/L		98
91)	1,2,3-Trichloropropane	10.866	75	714	0.977	ug/L	#	49
92)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93)	4-Chlorotoluene	10.997	91	2919	1.004	ug/L		96
94)	tert-Butylbenzene	11.233	119	2775	0.993	ug/L		94
97)	1,2,4-Trimethylbenzene	11.322	105	2923	0.914	ug/L		95
98)	sec-Butylbenzene	11.432	105	3968	0.935	ug/L		98
99)	p-Isopropyltoluene	11.605	119	3180	0.895	ug/L		96
100)	1,3-Dichlorobenzene	11.658	146	2059	0.990	ug/L		94
101)	1,4-Dichlorobenzene	11.752	146	2377M3	1.101	ug/L		
102)	p-Diethylbenzene	11.993	119	1895	0.904	ug/L		98
103)	n-Butylbenzene	12.051	91	3045	0.931	ug/L		98
104)	1,2-Dichlorobenzene	12.193	146	1899	0.982	ug/L		93
105)	1,2,4,5-Tetramethylben...	12.811	119	2489	0.788	ug/L	#	95
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
107)	1,3,5-Trichlorobenzene	13.032	180	1388	1.000	ug/L		94
108)	Hexachlorobutadiene	13.624	225	671	1.019	ug/L	#	90
109)	1,2,4-Trichlorobenzene	13.640	180	1219	0.958	ug/L	#	94
110)	Naphthalene	13.933	128	2362	0.910	ug/L		100
111)	1,2,3-Trichlorobenzene	14.101	180	1050	0.942	ug/L	#	93

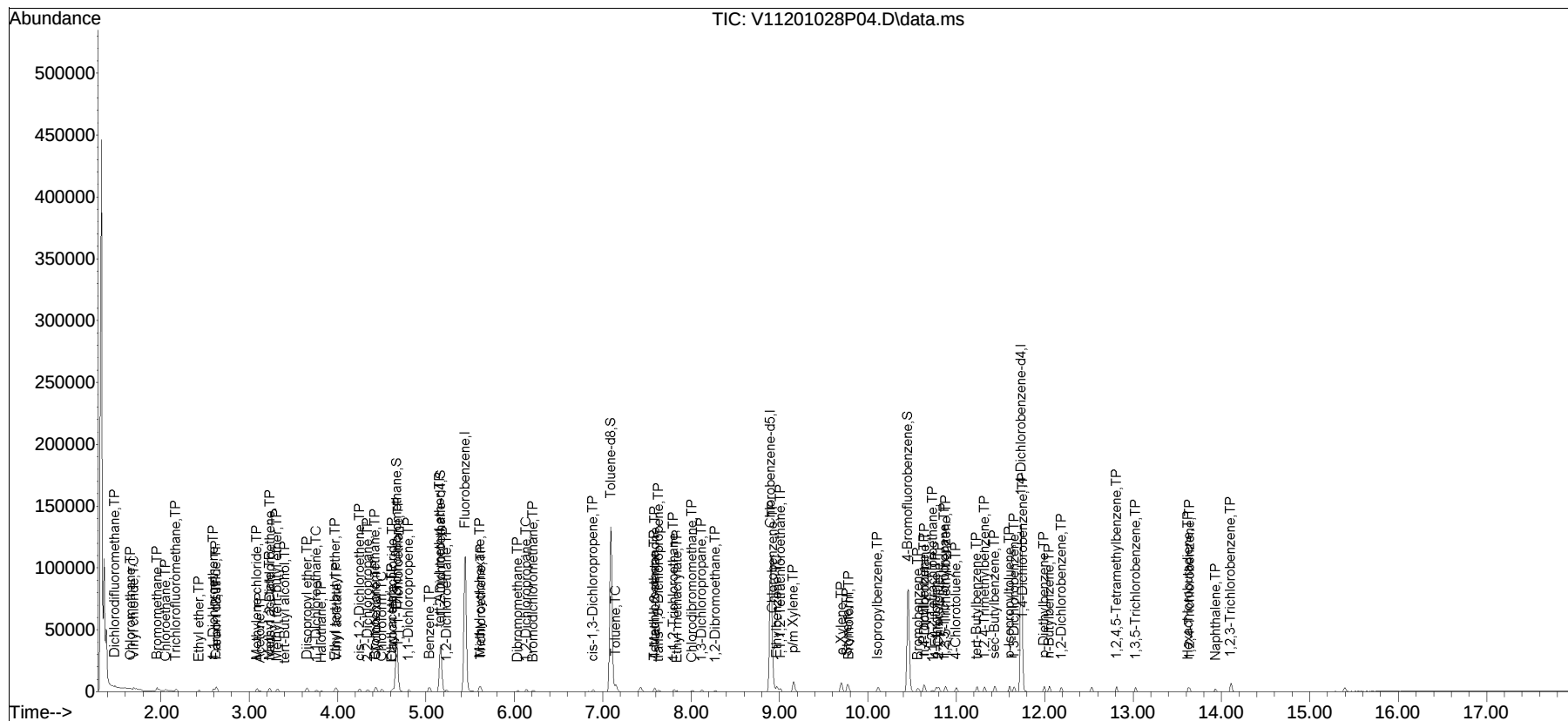
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
Data File : V11201028P04.D
Acq On : 28 Oct 2020 06:52 pm
Operator : VOA111:JC
Sample : I8260STD1.0PPB
Misc : WG1428080,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 08:46:22 2020
Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 29 12:26:02 2020
Response via : Initial Calibration

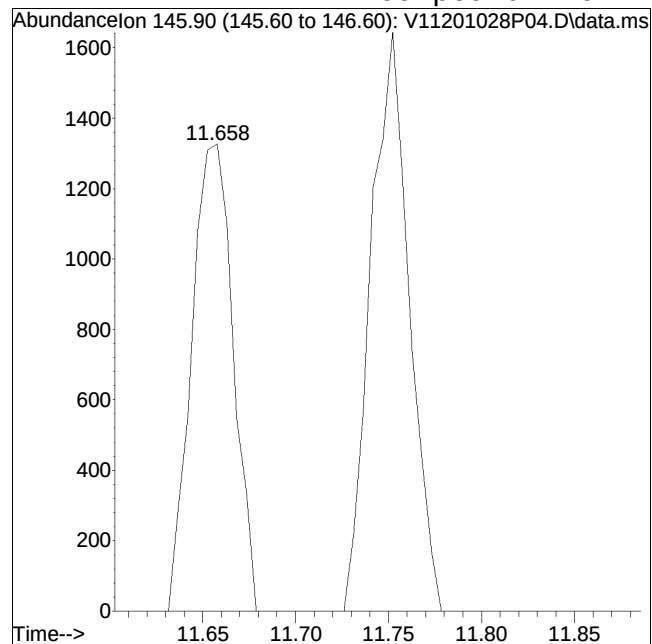
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11201028P08.D•



Manual Integration Report

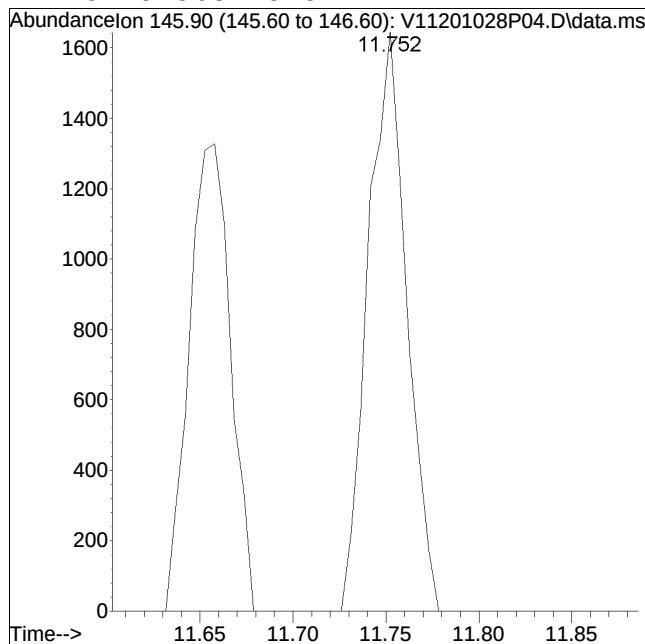
Data Path : I:\VOLATILES\VOA111\2020\2QMethod : V111_201028P_8260.m
Data File : V11201028P04.D Operator : VOA111:JC
Date Inj'd : 10/28/2020 6:52 pm Instrument : VOA111
Sample : I8260STD1.0PPB Quant Date : 10/30/2020 8:46 am

Compound #101: 1,4-Dichlorobenzene



Original Peak Response = 2059

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



Manual Peak Response = 2377 M3

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P05.D
 Acq On : 28 Oct 2020 07:17 pm
 Operator : VOA111:JC
 Sample : I8260STD2.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 30 08:46:30 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.445	96	104740	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery =	95.21%		
59) Chlorobenzene-d5	8.900	117	75623	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery =	91.97%		
79) 1,4-Dichlorobenzene-d4	11.731	152	35958	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery =	84.82%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	26607	19.934	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.67%		
43) 1,2-Dichloroethane-d4	5.167	65	25509	19.699	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.50%		
60) Toluene-d8	7.091	98	98887	20.310	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.55%		
83) 4-Bromofluorobenzene	10.457	95	31766	20.532	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.66%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	1683	2.128	ug/L #	79
3) Chloromethane	1.654	50	1869	2.133	ug/L #	85
4) Vinyl chloride	1.696	62	2270	2.045	ug/L	88
5) Bromomethane	1.953	94	2520	2.343	ug/L	99
6) Chloroethane	2.058	64	1973	2.213	ug/L	84
7) Trichlorofluoromethane	2.173	101	3022	2.027	ug/L	97
8) Ethyl ether	2.435	74	837	1.743	ug/L #	74
10) 1,1-Dichloroethene	2.598	96	1507	1.915	ug/L	84
11) Carbon disulfide	2.624	76	4833	2.199	ug/L	94
12) Freon-113	2.635	101	1637	1.991	ug/L	100
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	3.091	84	2000	1.993	ug/L	69
17) Acetone	3.128	43	846	2.311	ug/L #	72
18) trans-1,2-Dichloroethene	3.232	96	1723	1.875	ug/L	87
19) Methyl acetate	3.238	43	876	1.686	ug/L #	66
20) Methyl tert-butyl ether	3.322	73	4234	1.766	ug/L	85
21) tert-Butyl alcohol	3.405	59	557	6.941	ug/L #	53
22) Diisopropyl ether	3.657	45	5244	1.789	ug/L #	89
23) 1,1-Dichloroethane	3.762	63	3232	1.936	ug/L	97
24) Halothane	3.820	117	1412	1.972	ug/L	86
25) Acrylonitrile	3.804	53	247	1.009	ug/L #	71

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P05.D
 Acq On : 28 Oct 2020 07:17 pm
 Operator : VOA111:JC
 Sample : I8260STD2.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 30 08:46:30 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	4688	1.703	ug/L	95
27) Vinyl acetate	3.993	43	3385	1.652	ug/L #	93
28) cis-1,2-Dichloroethene	4.250	96	1924	1.835	ug/L	86
29) 2,2-Dichloropropane	4.344	77	2577	1.943	ug/L	89
30) Bromochloromethane	4.428	128	962	1.891	ug/L #	64
31) Cyclohexane	4.433	56	2644	1.885	ug/L	74
32) Chloroform	4.501	83	3390	1.967	ug/L #	92
33) Ethyl acetate	4.617	43	1246	1.654	ug/L #	71
34) Carbon tetrachloride	4.627	117	2758	2.032	ug/L	94
35) Tetrahydrofuran	4.653	42	345	2.457	ug/L #	55
37) 1,1,1-Trichloroethane	4.690	97	2869	2.080	ug/L #	91
39) 2-Butanone	4.779	43	482	2.260	ug/L #	49
40) 1,1-Dichloropropene	4.811	75	2214	1.932	ug/L	96
41) Benzene	5.036	78	7191	1.978	ug/L #	89
42) tert-Amyl methyl ether	5.151	73	4127	1.710	ug/L	90
44) 1,2-Dichloroethane	5.235	62	2415	1.850	ug/L #	90
47) Methyl cyclohexane	5.608	83	2682	1.831	ug/L #	70
48) Trichloroethene	5.618	95	1871	2.021	ug/L	96
50) Dibromomethane	6.037	93	1037	1.838	ug/L	97
51) 1,2-Dichloropropane	6.137	63	1787	1.829	ug/L	97
53) 2-Chloroethyl vinyl ether	6.834	63	530	0.958	ug/L #	68
54) Bromodichloromethane	6.216	83	2531	1.952	ug/L #	96
57) 1,4-Dioxane	6.425	88	317	102.329	ug/L #	24
58) cis-1,3-Dichloropropene	6.887	75	2596	1.919	ug/L #	85
61) Toluene	7.149	92	4691	2.003	ug/L	94
62) 4-Methyl-2-pentanone	7.579	58	250	2.421	ug/L #	25
63) Tetrachloroethene	7.584	166	1919	2.054	ug/L	93
65) trans-1,3-Dichloropropene	7.637	75	2189	1.699	ug/L #	80
67) Ethyl methacrylate	7.831	69	1321	1.292	ug/L #	72
68) 1,1,2-Trichloroethane	7.804	83	1251	1.895	ug/L	90
69) Chlorodibromomethane	8.009	129	1669	1.890	ug/L #	92
70) 1,3-Dichloropropane	8.119	76	2588	1.916	ug/L	92
71) 1,2-Dibromoethane	8.276	107	1371	1.773	ug/L	91
72) 2-Hexanone	8.586	43	543	1.117	ug/L #	48
73) Chlorobenzene	8.921	112	5444	2.018	ug/L	90
74) Ethylbenzene	8.974	91	8055	1.863	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.010	131	1873	2.025	ug/L	97
76) p/m Xylene	9.157	106	6039	3.663	ug/L	98
77) o Xylene	9.697	106	5318	3.454	ug/L	97
78) Styrene	9.771	104	8808	3.690	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P05.D
 Acq On : 28 Oct 2020 07:17 pm
 Operator : VOA111:JC
 Sample : I8260STD2.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 30 08:46:30 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.786	173	994	1.727	ug/L	82
82)	Isopropylbenzene	10.111	105	7599	1.902	ug/L	97
84)	Bromobenzene	10.568	156	2056	1.906	ug/L	93
85)	n-Propylbenzene	10.636	91	9354	1.916	ug/L	99
86)	1,4-Dichlorobutane	10.641	55	2364	1.899	ug/L	93
87)	1,1,2,2-Tetrachloroethane	10.730	83	1898	2.077	ug/L #	93
88)	4-Ethyltoluene	10.772	105	7031	1.804	ug/L	98
89)	2-Chlorotoluene	10.798	91	6638	1.981	ug/L	98
90)	1,3,5-Trimethylbenzene	10.877	105	6105	1.815	ug/L	98
91)	1,2,3-Trichloropropane	10.866	75	1481	1.984	ug/L #	82
92)	trans-1,4-Dichloro-2-b...	10.929	53	319	1.325	ug/L #	74
93)	4-Chlorotoluene	10.997	91	5606	1.889	ug/L	99
94)	tert-Butylbenzene	11.233	119	5214	1.828	ug/L	95
97)	1,2,4-Trimethylbenzene	11.317	105	5759	1.764	ug/L	100
98)	sec-Butylbenzene	11.438	105	8020	1.850	ug/L	98
99)	p-Isopropyltoluene	11.606	119	6396	1.763	ug/L	97
100)	1,3-Dichlorobenzene	11.653	146	4046	1.905	ug/L	96
101)	1,4-Dichlorobenzene	11.747	146	4386M3	1.990	ug/L	
102)	p-Diethylbenzene	11.994	119	3710	1.733	ug/L	96
103)	n-Butylbenzene	12.051	91	6146	1.839	ug/L	97
104)	1,2-Dichlorobenzene	12.188	146	3847	1.948	ug/L	94
105)	1,2,4,5-Tetramethylben...	12.812	119	5167	1.602	ug/L	96
106)	1,2-Dibromo-3-chloropr...	12.985	155	49	1.991	ug/L #	1
107)	1,3,5-Trichlorobenzene	13.032	180	2663	1.879	ug/L	97
108)	Hexachlorobutadiene	13.624	225	1316	1.957	ug/L	97
109)	1,2,4-Trichlorobenzene	13.640	180	2172	1.672	ug/L	96
110)	Naphthalene	13.928	128	4430	1.672	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	2094	1.839	ug/L	94

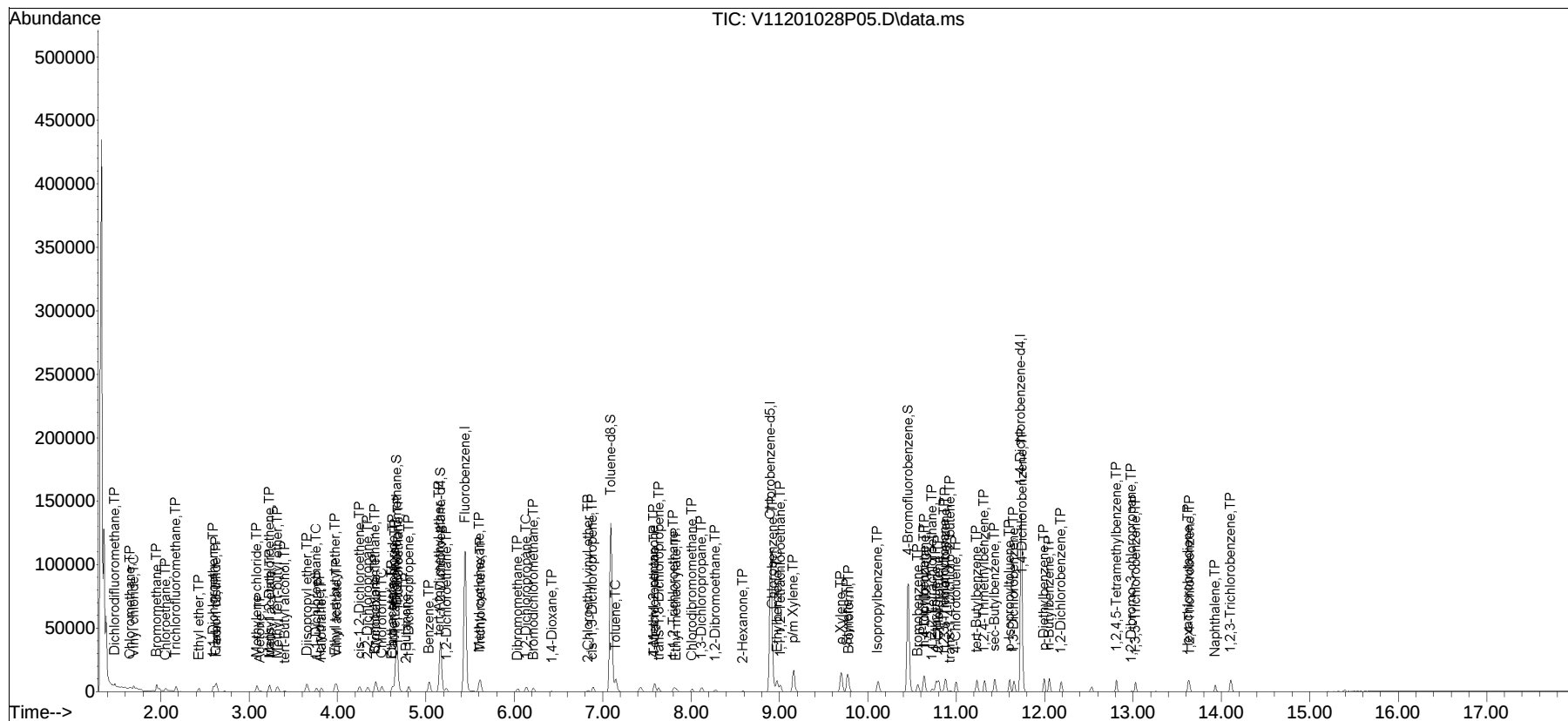
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path   : I:\VOLATILES\VOA111\2020\201028ICAL\
Data File  : V11201028P05.D
Acq On     : 28 Oct 2020   07:17 pm
Operator   : VOA111:JC
Sample     : I8260STD2.0PPB
Misc       : WG1428080,ICAL
ALS Vial   : 5      Sample Multiplier: 1
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Quant Time: Oct 30 08:46:30 2020
Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 29 12:26:02 2020
Response via : Initial Calibration

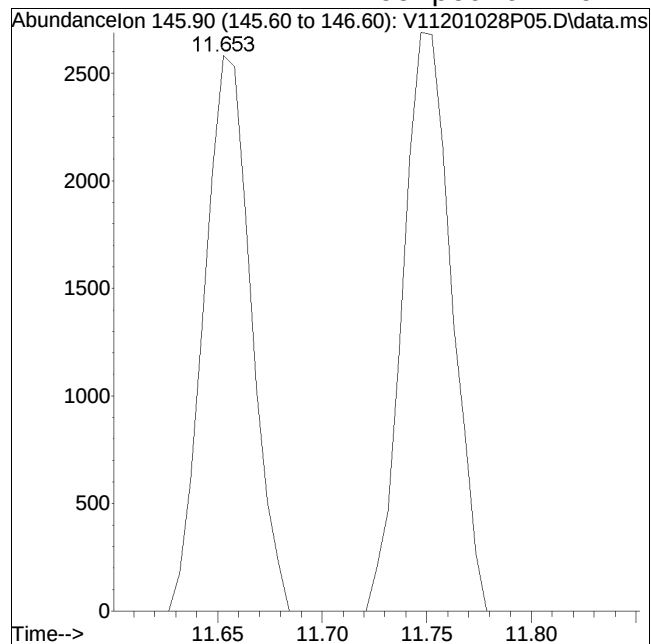
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11201028P08.D•



Manual Integration Report

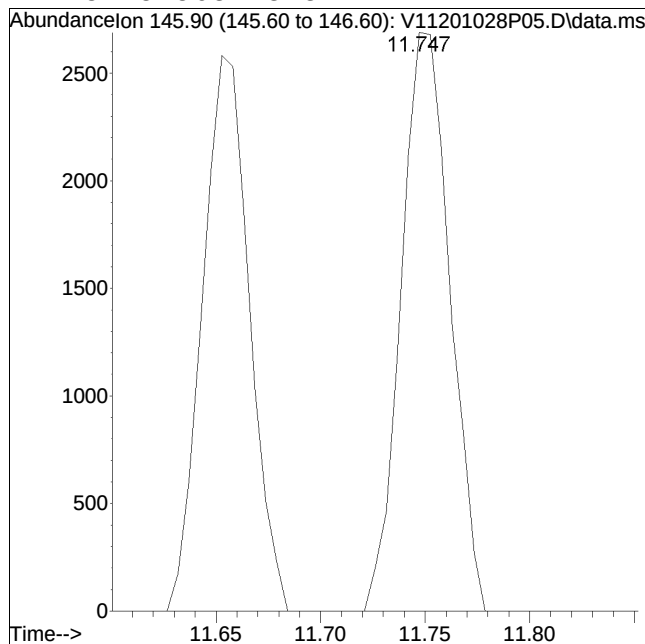
Data Path : I:\VOLATILES\VOA111\2020\2QMethod : V111_201028P_8260.m
Data File : V11201028P05.D Operator : VOA111:JC
Date Inj'd : 10/28/2020 7:17 pm Instrument : VOA111
Sample : I8260STD2.0PPB Quant Date : 10/30/2020 8:46 am

Compound #101: 1,4-Dichlorobenzene



Original Peak Response = 4046

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



Manual Peak Response = 4386 M3

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P06.D
 Acq On : 28 Oct 2020 07:41 pm
 Operator : VOA111:JC
 Sample : I8260STD4.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 08:46:38 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.445	96	105948	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery	=	96.30%	
59) Chlorobenzene-d5	8.900	117	77375	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery	=	94.10%	
79) 1,4-Dichlorobenzene-d4	11.737	152	36781	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery	=	86.76%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	26910	19.931	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.66%	
43) 1,2-Dichloroethane-d4	5.167	65	26178	19.986	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.93%	
60) Toluene-d8	7.091	98	100894	20.253	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	101.27%	
83) 4-Bromofluorobenzene	10.457	95	32925	20.805	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	104.02%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	3181	3.976	ug/L	# 85
3) Chloromethane	1.654	50	3371	3.804	ug/L	95
4) Vinyl chloride	1.696	62	4333	3.859	ug/L	98
5) Bromomethane	1.958	94	4513	4.148	ug/L	99
6) Chloroethane	2.058	64	3507	3.888	ug/L	96
7) Trichlorofluoromethane	2.173	101	5687	3.771	ug/L	97
8) Ethyl ether	2.435	74	1783	3.671	ug/L	70
10) 1,1-Dichloroethene	2.603	96	2995	3.762	ug/L	83
11) Carbon disulfide	2.624	76	8504	3.826	ug/L	96
12) Freon-113	2.635	101	3282	3.946	ug/L	98
14) Acrolein	2.881	56	246	2.537	ug/L	# 71
15) Methylene chloride	3.091	84	3844	3.788	ug/L	70
17) Acetone	3.122	43	1078	3.389	ug/L	98
18) trans-1,2-Dichloroethene	3.232	96	3493	3.757	ug/L	82
19) Methyl acetate	3.238	43	1920	3.653	ug/L	# 93
20) Methyl tert-butyl ether	3.321	73	8524	3.516	ug/L	86
21) tert-Butyl alcohol	3.405	59	1351	16.645	ug/L	# 67
22) Diisopropyl ether	3.657	45	10208	3.443	ug/L	# 88
23) 1,1-Dichloroethane	3.762	63	6262	3.708	ug/L	98
24) Halothane	3.820	117	2762	3.813	ug/L	95
25) Acrylonitrile	3.804	53	717	2.895	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P06.D
 Acq On : 28 Oct 2020 07:41 pm
 Operator : VOA111:JC
 Sample : I8260STD4.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 08:46:38 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	9587	3.442	ug/L	95
27) Vinyl acetate	3.987	43	6984	3.370	ug/L	97
28) cis-1,2-Dichloroethene	4.244	96	3851	3.631	ug/L	83
29) 2,2-Dichloropropane	4.344	77	5059	3.771	ug/L	90
30) Bromochloromethane	4.428	128	1925	3.740	ug/L #	66
31) Cyclohexane	4.433	56	5134	3.618	ug/L	72
32) Chloroform	4.501	83	6559	3.762	ug/L	95
33) Ethyl acetate	4.617	43	2703	3.548	ug/L #	84
34) Carbon tetrachloride	4.627	117	5255	3.827	ug/L	97
35) Tetrahydrofuran	4.643	42	710	3.645	ug/L #	55
37) 1,1,1-Trichloroethane	4.685	97	5477	3.925	ug/L	96
39) 2-Butanone	4.784	43	1015	3.717	ug/L #	89
40) 1,1-Dichloropropene	4.805	75	4381	3.779	ug/L	99
41) Benzene	5.041	78	13797	3.751	ug/L #	89
42) tert-Amyl methyl ether	5.157	73	8057	3.301	ug/L	95
44) 1,2-Dichloroethane	5.230	62	4982	3.773	ug/L	98
47) Methyl cyclohexane	5.602	83	5157	3.481	ug/L #	75
48) Trichloroethene	5.618	95	3677	3.926	ug/L	97
50) Dibromomethane	6.037	93	2117	3.710	ug/L	99
51) 1,2-Dichloropropane	6.137	63	3583	3.626	ug/L	97
53) 2-Chloroethyl vinyl ether	6.829	63	1305	2.331	ug/L #	73
54) Bromodichloromethane	6.216	83	4907	3.742	ug/L #	96
57) 1,4-Dioxane	6.420	88	1089	184.587	ug/L #	53
58) cis-1,3-Dichloropropene	6.892	75	5289	3.432	ug/L #	87
61) Toluene	7.149	92	8763	3.657	ug/L	92
62) 4-Methyl-2-pentanone	7.584	58	762	3.932	ug/L #	88
63) Tetrachloroethene	7.589	166	3739	3.911	ug/L	96
65) trans-1,3-Dichloropropene	7.631	75	4493	3.408	ug/L	82
67) Ethyl methacrylate	7.836	69	2930	2.802	ug/L	83
68) 1,1,2-Trichloroethane	7.810	83	2572	3.808	ug/L	94
69) Chlorodibromomethane	8.014	129	3702	3.682	ug/L	97
70) 1,3-Dichloropropane	8.119	76	5136	3.717	ug/L	97
71) 1,2-Dibromoethane	8.276	107	2926	3.697	ug/L	97
72) 2-Hexanone	8.580	43	1283	2.580	ug/L #	85
73) Chlorobenzene	8.921	112	10731	3.888	ug/L	97
74) Ethylbenzene	8.974	91	15919	3.598	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.010	131	3796	3.739	ug/L	97
76) p/m Xylene	9.162	106	12052	7.144	ug/L	99
77) o Xylene	9.697	106	10999	6.982	ug/L	98
78) Styrene	9.771	104	18329	6.819	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P06.D
 Acq On : 28 Oct 2020 07:41 pm
 Operator : VOA111:JC
 Sample : I8260STD4.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 08:46:38 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.786	173	2067	3.512	ug/L	93
82)	Isopropylbenzene	10.117	105	14826	3.627	ug/L	99
84)	Bromobenzene	10.567	156	4171	3.781	ug/L	98
85)	n-Propylbenzene	10.636	91	18376	3.679	ug/L	99
86)	1,4-Dichlorobutane	10.641	55	4738	3.721	ug/L	98
87)	1,1,2,2-Tetrachloroethane	10.730	83	3798	4.064	ug/L	97
88)	4-Ethyltoluene	10.772	105	14339	3.597	ug/L	100
89)	2-Chlorotoluene	10.798	91	12791	3.733	ug/L	100
90)	1,3,5-Trimethylbenzene	10.882	105	12426	3.612	ug/L	100
91)	1,2,3-Trichloropropane	10.866	75	2885	3.779	ug/L	98
92)	trans-1,4-Dichloro-2-b...	10.935	53	805	3.269	ug/L	89
93)	4-Chlorotoluene	10.997	91	11173	3.680	ug/L	99
94)	tert-Butylbenzene	11.233	119	10651	3.650	ug/L	97
97)	1,2,4-Trimethylbenzene	11.317	105	11536	3.455	ug/L	100
98)	sec-Butylbenzene	11.438	105	16361	3.690	ug/L	99
99)	p-Isopropyltoluene	11.606	119	12716	3.427	ug/L	98
100)	1,3-Dichlorobenzene	11.653	146	8142	3.748	ug/L	99
101)	1,4-Dichlorobenzene	11.752	146	8444	3.745	ug/L	95
102)	p-Diethylbenzene	11.994	119	7325	3.344	ug/L	99
103)	n-Butylbenzene	12.051	91	12366	3.618	ug/L	98
104)	1,2-Dichlorobenzene	12.188	146	7398	3.662	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.812	119	10232	3.102	ug/L	99
106)	1,2-Dibromo-3-chloropr...	12.990	155	462	4.484	ug/L	100
107)	1,3,5-Trichlorobenzene	13.027	180	5233	3.609	ug/L	95
108)	Hexachlorobutadiene	13.624	225	2499	3.633	ug/L	98
109)	1,2,4-Trichlorobenzene	13.640	180	4487	3.377	ug/L	98
110)	Naphthalene	13.928	128	8834	3.259	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	4082	3.505	ug/L	97

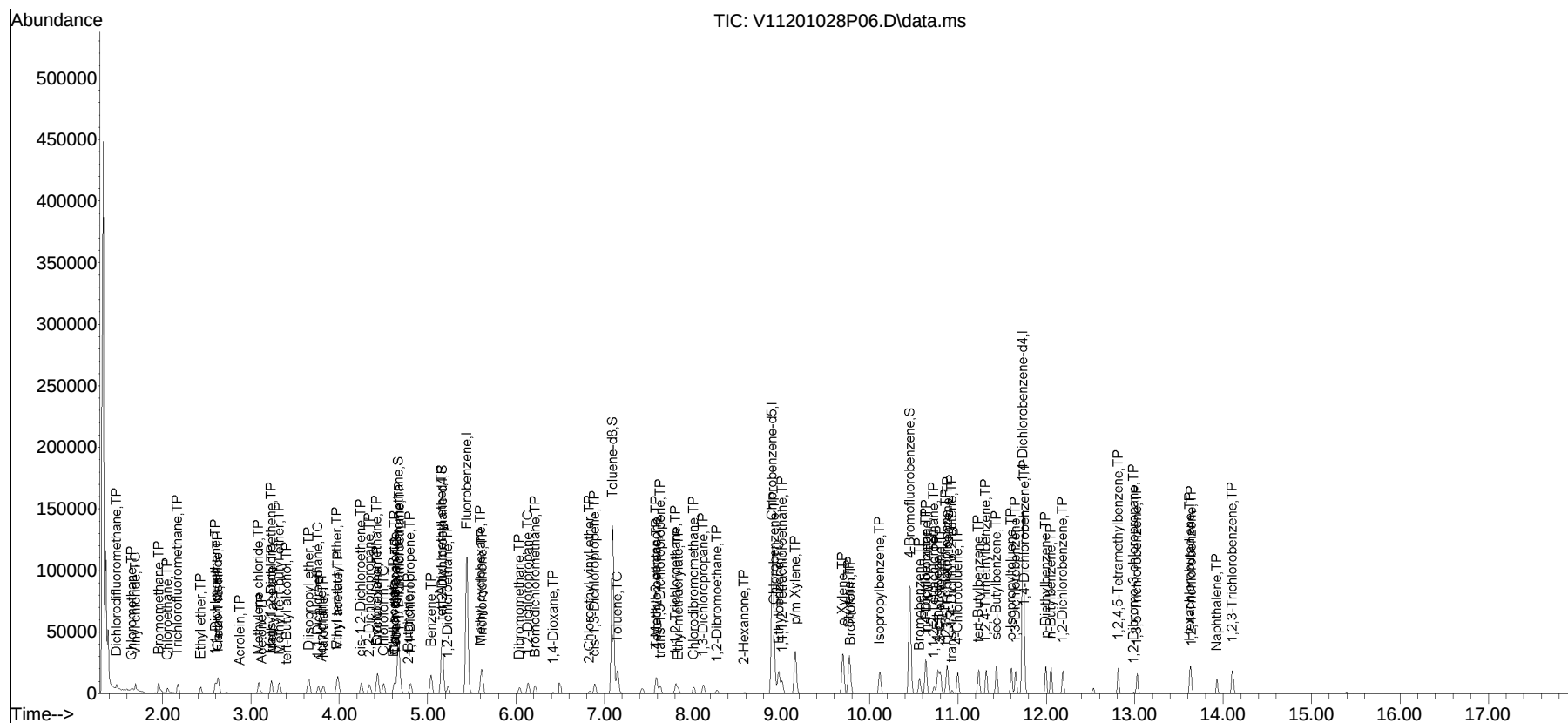
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P06.D
 Acq On : 28 Oct 2020 07:41 pm
 Operator : VOA111:JC
 Sample : I8260STD4.0PPB
 Misc : WG1428080,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 08:46:38 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11201028P08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\2Q	Method	: V111_201028P_8260.m
Data File	: V11201028P06.D	Operator	: VOA111:JC
Date Inj'd	: 10/28/2020 7:41 pm	Instrument	: VOA111
Sample	: I8260STD4.0PPB	Quant Date	: 10/30/2020 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P07.D
 Acq On : 28 Oct 2020 08:07 pm
 Operator : VOA111:JC
 Sample : I8260STD20PPB
 Misc : WG1428080,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 08:46:46 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.445	96	107915	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery =	98.09%		
59) Chlorobenzene-d5	8.900	117	78480	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery =	95.44%		
79) 1,4-Dichlorobenzene-d4	11.731	152	38906	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery =	91.77%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	27194	19.775	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.87%		
43) 1,2-Dichloroethane-d4	5.162	65	25883	19.400	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.00%		
60) Toluene-d8	7.091	98	103102	20.405	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.03%		
83) 4-Bromofluorobenzene	10.452	95	33799	20.191	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.96%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	16574	20.336	ug/L	97
3) Chloromethane	1.649	50	18072	20.021	ug/L	99
4) Vinyl chloride	1.696	62	22938	20.055	ug/L	97
5) Bromomethane	1.953	94	20614	18.603	ug/L	99
6) Chloroethane	2.058	64	19313	21.023	ug/L	99
7) Trichlorofluoromethane	2.173	101	29293	19.069	ug/L	99
8) Ethyl ether	2.430	74	10166	20.548	ug/L #	69
10) 1,1-Dichloroethene	2.598	96	16060	19.804	ug/L	81
11) Carbon disulfide	2.624	76	41798	18.462	ug/L	100
12) Freon-113	2.635	101	17131	20.222	ug/L	99
14) Acrolein	2.876	56	1844	18.674	ug/L	100
15) Methylene chloride	3.091	84	20232	19.573	ug/L	69
17) Acetone	3.122	43	4196	18.133	ug/L	94
18) trans-1,2-Dichloroethene	3.232	96	19000	20.063	ug/L	83
19) Methyl acetate	3.238	43	10366	19.361	ug/L #	85
20) Methyl tert-butyl ether	3.321	73	48393	19.596	ug/L	86
21) tert-Butyl alcohol	3.400	59	7907	95.640	ug/L	99
22) Diisopropyl ether	3.652	45	60113	19.904	ug/L #	90
23) 1,1-Dichloroethane	3.762	63	34710	20.181	ug/L	97
24) Halothane	3.820	117	15402	20.877	ug/L	100
25) Acrylonitrile	3.799	53	4700	18.631	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P07.D
 Acq On : 28 Oct 2020 08:07 pm
 Operator : VOA111:JC
 Sample : I8260STD20PPB
 Misc : WG1428080,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 08:46:46 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	55962	19.726	ug/L	96
27) Vinyl acetate	3.982	43	41537	19.678	ug/L #	92
28) cis-1,2-Dichloroethene	4.249	96	21946	20.316	ug/L #	83
29) 2,2-Dichloropropane	4.344	77	27244	19.937	ug/L	91
30) Bromochloromethane	4.428	128	10768	20.540	ug/L #	65
31) Cyclohexane	4.433	56	28523	19.734	ug/L #	68
32) Chloroform	4.501	83	35587	20.040	ug/L	95
33) Ethyl acetate	4.611	43	15659	20.178	ug/L #	96
34) Carbon tetrachloride	4.627	117	27761	19.849	ug/L	99
35) Tetrahydrofuran	4.643	42	5347	18.590	ug/L #	76
37) 1,1,1-Trichloroethane	4.685	97	30046	21.142	ug/L	96
39) 2-Butanone	4.779	43	6567	18.722	ug/L #	74
40) 1,1-Dichloropropene	4.805	75	24310	20.589	ug/L	98
41) Benzene	5.036	78	77263	20.625	ug/L	90
42) tert-Amyl methyl ether	5.151	73	48520	19.516	ug/L	93
44) 1,2-Dichloroethane	5.230	62	26418	19.641	ug/L	98
47) Methyl cyclohexane	5.607	83	29740	19.707	ug/L #	71
48) Trichloroethene	5.618	95	20402	21.388	ug/L	100
50) Dibromomethane	6.037	93	11843	20.377	ug/L	96
51) 1,2-Dichloropropane	6.137	63	20384	20.250	ug/L	97
53) 2-Chloroethyl vinyl ether	6.834	63	9281	16.277	ug/L #	79
54) Bromodichloromethane	6.216	83	28532	21.359	ug/L	99
57) 1,4-Dioxane	6.420	88	7593	866.075	ug/L #	75
58) cis-1,3-Dichloropropene	6.887	75	31513	18.007	ug/L	89
61) Toluene	7.149	92	48969	20.150	ug/L	96
62) 4-Methyl-2-pentanone	7.584	58	5586	18.098	ug/L #	82
63) Tetrachloroethene	7.589	166	21629	22.305	ug/L	97
65) trans-1,3-Dichloropropene	7.626	75	27572	20.617	ug/L #	83
67) Ethyl methacrylate	7.830	69	19645	18.520	ug/L	95
68) 1,1,2-Trichloroethane	7.804	83	14585	21.290	ug/L	100
69) Chlorodibromomethane	8.009	129	21151	19.086	ug/L	98
70) 1,3-Dichloropropane	8.119	76	28843	20.578	ug/L	100
71) 1,2-Dibromoethane	8.271	107	17211	21.442	ug/L	99
72) 2-Hexanone	8.580	43	9244	18.330	ug/L	96
73) Chlorobenzene	8.921	112	57555	20.560	ug/L	97
74) Ethylbenzene	8.973	91	91605	20.410	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.010	131	21287	19.421	ug/L	98
76) p/m Xylene	9.157	106	72668	42.471	ug/L	99
77) o Xylene	9.697	106	68278	42.732	ug/L	97
78) Styrene	9.770	104	117438	39.207	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P07.D
 Acq On : 28 Oct 2020 08:07 pm
 Operator : VOA111:JC
 Sample : I8260STD20PPB
 Misc : WG1428080,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 08:46:46 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.781	173	12637	20.296	ug/L	99
82)	Isopropylbenzene	10.116	105	89524	20.705	ug/L	99
84)	Bromobenzene	10.567	156	23761	20.362	ug/L	100
85)	n-Propylbenzene	10.636	91	108390	20.517	ug/L	100
86)	1,4-Dichlorobutane	10.641	55	27354	20.309	ug/L	96
87)	1,1,2,2-Tetrachloroethane	10.730	83	21619	21.869	ug/L	98
88)	4-Ethyltoluene	10.772	105	87660	20.786	ug/L	99
89)	2-Chlorotoluene	10.798	91	74599	20.581	ug/L	98
90)	1,3,5-Trimethylbenzene	10.877	105	75817	20.836	ug/L	99
91)	1,2,3-Trichloropropane	10.866	75	16520	20.456	ug/L	99
92)	trans-1,4-Dichloro-2-b...	10.929	53	5501	21.119	ug/L	89
93)	4-Chlorotoluene	10.997	91	67049	20.880	ug/L	99
94)	tert-Butylbenzene	11.233	119	63894	20.700	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	74173	21.000	ug/L	99
98)	sec-Butylbenzene	11.438	105	98474	20.997	ug/L	100
99)	p-Isopropyltoluene	11.606	119	82757	21.085	ug/L	98
100)	1,3-Dichlorobenzene	11.653	146	47082	20.489	ug/L	99
101)	1,4-Dichlorobenzene	11.747	146	47435	19.890	ug/L	98
102)	p-Diethylbenzene	11.994	119	47653	20.567	ug/L	99
103)	n-Butylbenzene	12.051	91	74795	20.690	ug/L	100
104)	1,2-Dichlorobenzene	12.188	146	43157	20.195	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.811	119	71005	20.352	ug/L	100
106)	1,2-Dibromo-3-chloropr...	12.990	155	3004	18.879	ug/L	98
107)	1,3,5-Trichlorobenzene	13.026	180	30484	19.875	ug/L	98
108)	Hexachlorobutadiene	13.624	225	14240	19.572	ug/L	99
109)	1,2,4-Trichlorobenzene	13.635	180	27216	19.365	ug/L	99
110)	Naphthalene	13.928	128	55997	19.532	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	24148	19.602	ug/L	99

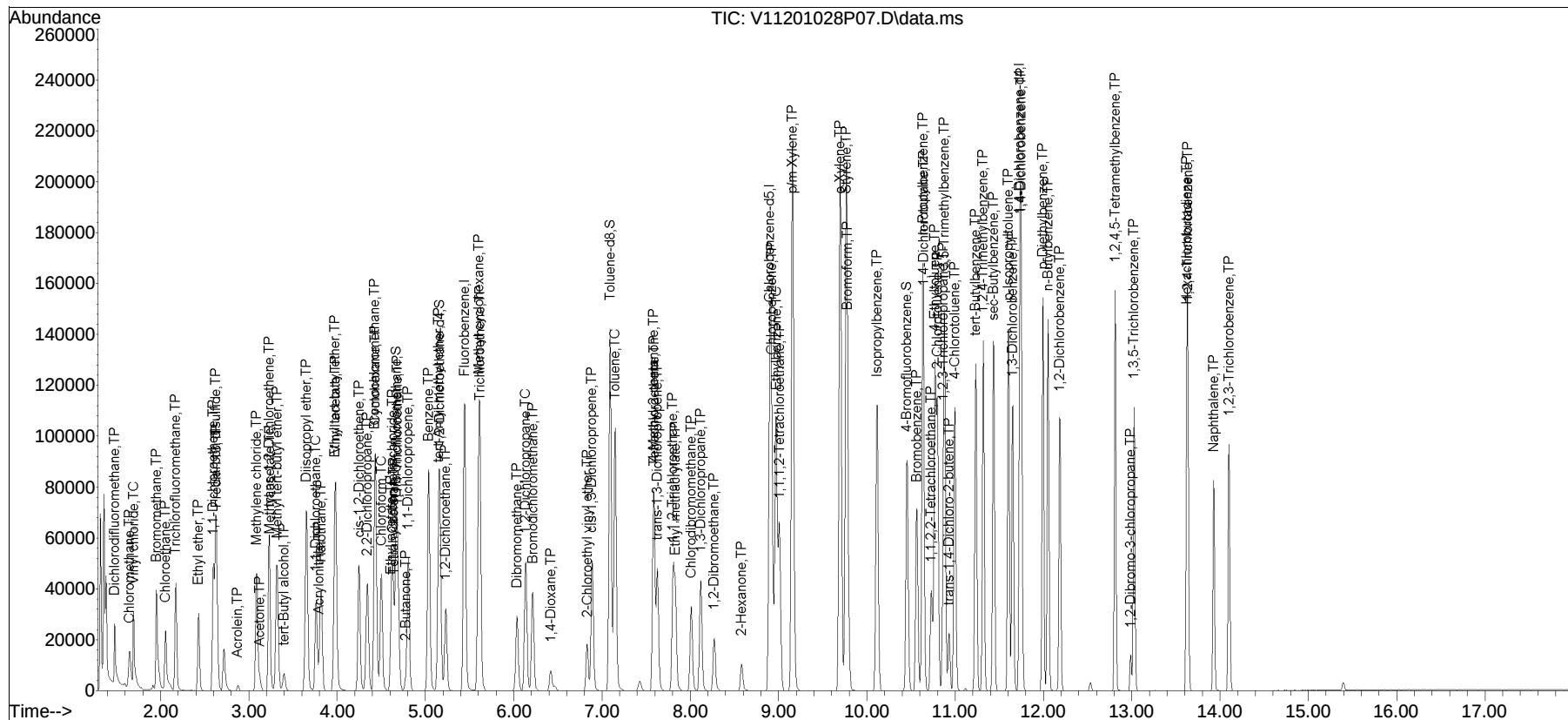
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

```
Data Path   : I:\VOLATILES\VOA111\2020\201028ICAL\
Data File  : V11201028P07.D
Acq On     : 28 Oct 2020   08:07 pm
Operator   : VOA111:JC
Sample     : I8260STD20PPB
Misc       : WG1428080,ICAL
ALS Vial   : 7      Sample Multiplier: 1
```

Quant Time: Oct 30 08:46:46 2020
Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 29 12:26:02 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11201028P08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\2Q	Method	: V111_201028P_8260.m
Data File	: V11201028P07.D	Operator	: VOA111:JC
Date Inj'd	: 10/28/2020 8:07 pm	Instrument	: VOA111
Sample	: I8260STD20PPB	Quant Date	: 10/30/2020 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P08.D
 Acq On : 28 Oct 2020 08:32 pm
 Operator : VOA111:JC
 Sample : I8260STD40PPB
 Misc : WG1428080,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 30 08:46:55 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	110014	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.900	117	82226	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	11.737	152	42394	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	28031	19.994	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.97%	
43) 1,2-Dichloroethane-d4	5.167	65	26999	19.851	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.25%	
60) Toluene-d8	7.091	98	105911	20.006	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.03%	
83) 4-Bromofluorobenzene	10.452	95	35541	19.485	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	97.42%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	33296	40.075	ug/L	97
3) Chloromethane	1.654	50	35909	39.024	ug/L	98
4) Vinyl chloride	1.696	62	45993	39.444	ug/L	97
5) Bromomethane	1.958	94	38830	34.373	ug/L	99
6) Chloroethane	2.058	64	39253	41.913	ug/L	97
7) Trichlorofluoromethane	2.173	101	58955	37.646	ug/L	99
8) Ethyl ether	2.430	74	20728	41.096	ug/L	71
10) 1,1-Dichloroethene	2.598	96	32414	39.208	ug/L	81
11) Carbon disulfide	2.624	76	84008	36.399	ug/L	99
12) Freon-113	2.635	101	34227	39.631	ug/L	98
14) Acrolein	2.876	56	4199	41.711	ug/L	94
15) Methylene chloride	3.091	84	41079	38.982	ug/L	69
17) Acetone	3.122	43	8638	38.490	ug/L	90
18) trans-1,2-Dichloroethene	3.232	96	38911	40.304	ug/L	83
19) Methyl acetate	3.237	43	23020	42.176	ug/L #	87
20) Methyl tert-butyl ether	3.321	73	102849	40.853	ug/L	86
21) tert-Butyl alcohol	3.400	59	17832	211.574	ug/L	97
22) Diisopropyl ether	3.652	45	126628	41.129	ug/L #	91
23) 1,1-Dichloroethane	3.762	63	69893	39.861	ug/L	97
24) Halothane	3.819	117	30314	40.307	ug/L	99
25) Acrylonitrile	3.799	53	10818	42.065	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P08.D
 Acq On : 28 Oct 2020 08:32 pm
 Operator : VOA111:JC
 Sample : I8260STD40PPB
 Misc : WG1428080,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 30 08:46:55 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	119337	41.262	ug/L	95
27) Vinyl acetate	3.987	43	91581	42.559	ug/L #	91
28) cis-1,2-Dichloroethene	4.249	96	44737	40.624	ug/L #	82
29) 2,2-Dichloropropane	4.344	77	55998	40.197	ug/L	90
30) Bromochloromethane	4.428	128	21933	41.038	ug/L #	66
31) Cyclohexane	4.433	56	59608	40.453	ug/L #	70
32) Chloroform	4.501	83	72721	40.169	ug/L	95
33) Ethyl acetate	4.611	43	33961	42.926	ug/L #	96
34) Carbon tetrachloride	4.627	117	56412	39.564	ug/L	99
35) Tetrahydrofuran	4.643	42	11533	37.874	ug/L #	79
37) 1,1,1-Trichloroethane	4.685	97	60519	41.772	ug/L	96
39) 2-Butanone	4.774	43	14826	40.353	ug/L #	77
40) 1,1-Dichloropropene	4.805	75	50743	42.156	ug/L	98
41) Benzene	5.036	78	156345	40.940	ug/L	90
42) tert-Amyl methyl ether	5.156	73	105997	41.822	ug/L	92
44) 1,2-Dichloroethane	5.230	62	55086	40.173	ug/L	98
47) Methyl cyclohexane	5.607	83	62038	40.326	ug/L #	72
48) Trichloroethene	5.618	95	41640	42.819	ug/L	99
50) Dibromomethane	6.037	93	25371	42.821	ug/L	98
51) 1,2-Dichloropropane	6.137	63	42171	41.095	ug/L	96
53) 2-Chloroethyl vinyl ether	6.829	63	21926	37.719	ug/L #	79
54) Bromodichloromethane	6.216	83	58630	43.052	ug/L	100
57) 1,4-Dioxane	6.420	88	17427	1864.747	ug/L #	74
58) cis-1,3-Dichloropropene	6.887	75	67315	37.264	ug/L #	88
61) Toluene	7.149	92	100577	39.500	ug/L	96
62) 4-Methyl-2-pentanone	7.579	58	12542	36.890	ug/L #	82
63) Tetrachloroethene	7.589	166	43695	43.008	ug/L	98
65) trans-1,3-Dichloropropene	7.626	75	59273	42.302	ug/L #	83
67) Ethyl methacrylate	7.830	69	44588	40.119	ug/L	98
68) 1,1,2-Trichloroethane	7.804	83	30388	42.337	ug/L	98
69) Chlorodibromomethane	8.014	129	45289	38.633	ug/L	99
70) 1,3-Dichloropropane	8.119	76	60363	41.104	ug/L	100
71) 1,2-Dibromoethane	8.271	107	36321	43.188	ug/L	100
72) 2-Hexanone	8.580	43	21793	41.246	ug/L	93
73) Chlorobenzene	8.921	112	118638	40.450	ug/L	96
74) Ethylbenzene	8.973	91	191740	40.775	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.010	131	44833	38.761	ug/L	99
76) p/m Xylene	9.157	106	153310	85.520	ug/L	98
77) o Xylene	9.697	106	143989	86.010	ug/L	96
78) Styrene	9.770	104	251264	78.488	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P08.D
 Acq On : 28 Oct 2020 08:32 pm
 Operator : VOA111:JC
 Sample : I8260STD40PPB
 Misc : WG1428080,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 30 08:46:55 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.781	173	28557	42.091	ug/L	100
82)	Isopropylbenzene	10.116	105	188131	39.930	ug/L	99
84)	Bromobenzene	10.567	156	50313	39.568	ug/L	100
85)	n-Propylbenzene	10.636	91	226761	39.392	ug/L	99
86)	1,4-Dichlorobutane	10.641	55	59300	40.406	ug/L	95
87)	1,1,2,2-Tetrachloroethane	10.730	83	46058	42.756	ug/L	98
88)	4-Ethyltoluene	10.772	105	188178	40.950	ug/L	99
89)	2-Chlorotoluene	10.798	91	155710	39.424	ug/L	98
90)	1,3,5-Trimethylbenzene	10.877	105	160673	40.522	ug/L	99
91)	1,2,3-Trichloropropane	10.866	75	35197	39.996	ug/L	97
92)	trans-1,4-Dichloro-2-b...	10.929	53	12351	43.517	ug/L	85
93)	4-Chlorotoluene	10.997	91	139763	39.943	ug/L	98
94)	tert-Butylbenzene	11.233	119	136251	40.510	ug/L	97
97)	1,2,4-Trimethylbenzene	11.317	105	158705	41.236	ug/L	99
98)	sec-Butylbenzene	11.432	105	208425	40.785	ug/L	99
99)	p-Isopropyltoluene	11.605	119	177758	41.563	ug/L	98
100)	1,3-Dichlorobenzene	11.653	146	99435	39.712	ug/L	99
101)	1,4-Dichlorobenzene	11.752	146	100596	38.710	ug/L	99
102)	p-Diethylbenzene	11.993	119	105281	41.701	ug/L	99
103)	n-Butylbenzene	12.051	91	160943	40.857	ug/L	100
104)	1,2-Dichlorobenzene	12.187	146	92930	39.908	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.811	119	163848	43.100	ug/L	99
106)	1,2-Dibromo-3-chloropr...	12.990	155	7008	38.493	ug/L	99
107)	1,3,5-Trichlorobenzene	13.026	180	67169	40.190	ug/L	98
108)	Hexachlorobutadiene	13.624	225	30680	38.699	ug/L	99
109)	1,2,4-Trichlorobenzene	13.635	180	62377	40.732	ug/L	99
110)	Naphthalene	13.928	128	135623	43.413	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	56050	41.755	ug/L	98

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

(QT Reviewed)

```
Data Path   : I:\VOLATILES\VOA111\2020\201028ICAL\
Data File   : V11201028P08.D
Acq On      : 28 Oct 2020   08:32 pm
Operator    : VOA111:JC
Sample      : I8260STD40PPB
Misc        : WG1428080,ICAL
ALS Vial    : 8      Sample Multiplier: 1
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Quant Time: Oct 30 08:46:55 2020
Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 29 12:26:02 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11201028P08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\2Q	Method	: V111_201028P_8260.m
Data File	: V11201028P08.D	Operator	: VOA111:JC
Date Inj'd	: 10/28/2020 8:32 pm	Instrument	: VOA111
Sample	: I8260STD40PPB	Quant Date	: 10/30/2020 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P09.D
 Acq On : 28 Oct 2020 08:58 pm
 Operator : VOA111:JC
 Sample : I8260STD100PPB
 Misc : WG1428080,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 08:47:03 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	110980	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery =	100.88%		
59) Chlorobenzene-d5	8.900	117	84035	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery =	102.20%		
79) 1,4-Dichlorobenzene-d4	11.731	152	44373	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery =	104.67%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	28653	20.260	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.30%		
43) 1,2-Dichloroethane-d4	5.162	65	27256	19.865	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.33%		
60) Toluene-d8	7.091	98	106972	19.771	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.86%		
83) 4-Bromofluorobenzene	10.452	95	36988	19.374	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	96.87%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	81678	97.451	ug/L	97
3) Chloromethane	1.654	50	89292	96.192	ug/L	97
4) Vinyl chloride	1.696	62	114665	97.483	ug/L	98
5) Bromomethane	1.953	94	97548	85.601	ug/L	100
6) Chloroethane	2.053	64	100744	106.634	ug/L	97
7) Trichlorofluoromethane	2.168	101	151522	95.912	ug/L	99
8) Ethyl ether	2.430	74	52945	104.058	ug/L	70
10) 1,1-Dichloroethene	2.598	96	82641	99.092	ug/L	81
11) Carbon disulfide	2.624	76	210937	90.599	ug/L	99
12) Freon-113	2.629	101	85820	98.505	ug/L	98
14) Acrolein	2.876	56	10671	105.079	ug/L	96
15) Methylene chloride	3.086	84	103780	97.625	ug/L	68
17) Acetone	3.122	43	21406	97.230	ug/L	93
18) trans-1,2-Dichloroethene	3.227	96	98719	101.364	ug/L	83
19) Methyl acetate	3.232	43	57607	104.626	ug/L	# 84
20) Methyl tert-butyl ether	3.316	73	264859	104.290	ug/L	85
21) tert-Butyl alcohol	3.400	59	45834	539.079	ug/L	95
22) Diisopropyl ether	3.652	45	328151	105.656	ug/L	# 92
23) 1,1-Dichloroethane	3.762	63	176600	99.840	ug/L	97
24) Halothane	3.820	117	76938	101.409	ug/L	99
25) Acrylonitrile	3.799	53	27044	104.244	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P09.D
 Acq On : 28 Oct 2020 08:58 pm
 Operator : VOA111:JC
 Sample : I8260STD100PPB
 Misc : WG1428080,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 08:47:03 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	312399	107.076	ug/L	96
27) Vinyl acetate	3.982	43	236497	108.946	ug/L #	91
28) cis-1,2-Dichloroethene	4.244	96	112783	101.523	ug/L	83
29) 2,2-Dichloropropane	4.339	77	140992	100.328	ug/L	89
30) Bromochloromethane	4.428	128	55615	103.154	ug/L #	66
31) Cyclohexane	4.433	56	153287	103.124	ug/L #	72
32) Chloroform	4.501	83	180787	98.993	ug/L	96
33) Ethyl acetate	4.606	43	86577	108.479	ug/L #	96
34) Carbon tetrachloride	4.627	117	142505	99.075	ug/L	98
35) Tetrahydrofuran	4.637	42	29673	94.568	ug/L #	75
37) 1,1,1-Trichloroethane	4.685	97	151570	103.706	ug/L	96
39) 2-Butanone	4.774	43	36892	98.198	ug/L #	75
40) 1,1-Dichloropropene	4.805	75	128381	105.728	ug/L	99
41) Benzene	5.036	78	396237	102.854	ug/L	90
42) tert-Amyl methyl ether	5.151	73	274406	107.327	ug/L	91
44) 1,2-Dichloroethane	5.230	62	139648	100.955	ug/L	98
47) Methyl cyclohexane	5.602	83	159745	102.933	ug/L #	71
48) Trichloroethene	5.613	95	106258	108.314	ug/L	100
50) Dibromomethane	6.037	93	64087	107.223	ug/L	98
51) 1,2-Dichloropropane	6.137	63	107713	104.050	ug/L	97
53) 2-Chloroethyl vinyl ether	6.829	63	58377	99.552	ug/L #	78
54) Bromodichloromethane	6.216	83	150050	109.223	ug/L	99
57) 1,4-Dioxane	6.415	88	46479	4818.334	ug/L #	74
58) cis-1,3-Dichloropropene	6.887	75	174537	95.108	ug/L #	88
61) Toluene	7.149	92	255217	98.074	ug/L	97
62) 4-Methyl-2-pentanone	7.579	58	33410	93.491	ug/L #	79
63) Tetrachloroethene	7.589	166	111257	107.149	ug/L	98
65) trans-1,3-Dichloropropene	7.626	75	155276	108.432	ug/L #	82
67) Ethyl methacrylate	7.831	69	120428	106.025	ug/L	97
68) 1,1,2-Trichloroethane	7.804	83	77016	104.989	ug/L	98
69) Chlorodibromomethane	8.009	129	116344	96.569	ug/L	98
70) 1,3-Dichloropropane	8.119	76	153751	102.443	ug/L	100
71) 1,2-Dibromoethane	8.271	107	92186	107.255	ug/L	99
72) 2-Hexanone	8.575	43	58198	107.775	ug/L	91
73) Chlorobenzene	8.921	112	302929	101.061	ug/L	97
74) Ethylbenzene	8.968	91	492344	102.448	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.010	131	115587	97.360	ug/L	100
76) p/m Xylene	9.157	106	399992	218.323	ug/L	98
77) o Xylene	9.697	106	378720	221.353	ug/L	96
78) Styrene	9.770	104	676678	198.896	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P09.D
 Acq On : 28 Oct 2020 08:58 pm
 Operator : VOA111:JC
 Sample : I8260STD100PPB
 Misc : WG1428080,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 08:47:03 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.781	173	77379	108.964	ug/L	100
82)	Isopropylbenzene	10.111	105	497210	100.825	ug/L	100
84)	Bromobenzene	10.562	156	130972	98.407	ug/L	100
85)	n-Propylbenzene	10.630	91	599616	99.518	ug/L	99
86)	1,4-Dichlorobutane	10.636	55	154809	100.779	ug/L	95
87)	1,1,2,2-Tetrachloroethane	10.725	83	116616	103.428	ug/L	99
88)	4-Ethyltoluene	10.772	105	493983	102.703	ug/L	99
89)	2-Chlorotoluene	10.798	91	404620	97.876	ug/L	98
90)	1,3,5-Trimethylbenzene	10.877	105	423556	102.058	ug/L	99
91)	1,2,3-Trichloropropane	10.861	75	90026	97.739	ug/L	98
92)	trans-1,4-Dichloro-2-b...	10.929	53	32008	107.745	ug/L #	80
93)	4-Chlorotoluene	10.997	91	366878	100.175	ug/L	99
94)	tert-Butylbenzene	11.233	119	356623	101.301	ug/L	97
97)	1,2,4-Trimethylbenzene	11.317	105	421726	104.689	ug/L	99
98)	sec-Butylbenzene	11.438	105	549419	102.716	ug/L	99
99)	p-Isopropyltoluene	11.606	119	474091	105.906	ug/L	98
100)	1,3-Dichlorobenzene	11.653	146	262667	100.225	ug/L	99
101)	1,4-Dichlorobenzene	11.752	146	264022	97.067	ug/L	99
102)	p-Diethylbenzene	11.994	119	280562	106.173	ug/L	99
103)	n-Butylbenzene	12.051	91	425692	103.246	ug/L	100
104)	1,2-Dichlorobenzene	12.188	146	244362	100.259	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.811	119	443831	111.542	ug/L	99
106)	1,2-Dibromo-3-chloropr...	12.990	155	18436	94.193	ug/L	96
107)	1,3,5-Trichlorobenzene	13.026	180	177559	101.503	ug/L	98
108)	Hexachlorobutadiene	13.624	225	81577	98.310	ug/L	99
109)	1,2,4-Trichlorobenzene	13.635	180	166805	104.066	ug/L	99
110)	Naphthalene	13.928	128	354982	108.562	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	146171	104.035	ug/L	98

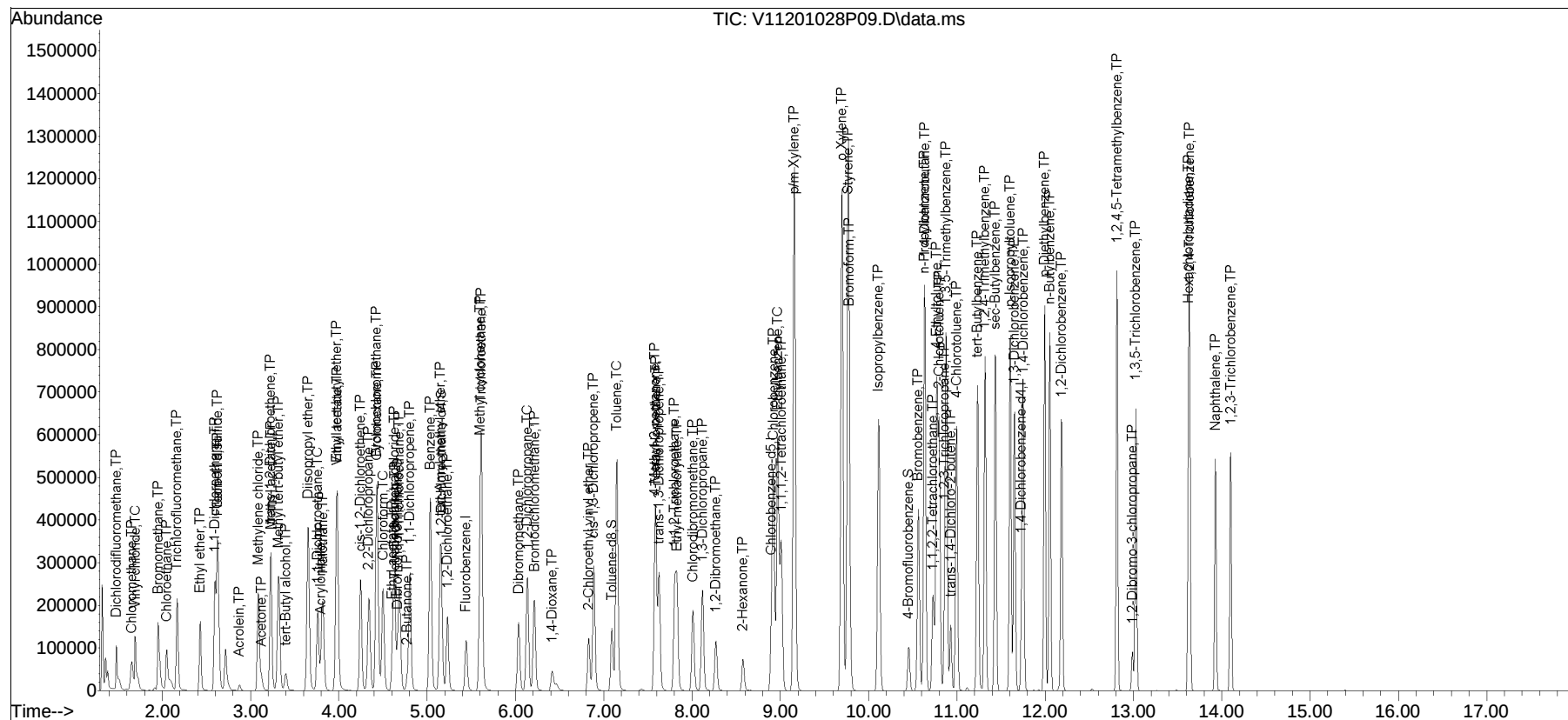
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P09.D
 Acq On : 28 Oct 2020 08:58 pm
 Operator : VOA111:JC
 Sample : I8260STD100PPB
 Misc : WG1428080,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 08:47:03 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11201028P08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\2Q	Method	: V111_201028P_8260.m
Data File	: V11201028P09.D	Operator	: VOA111:JC
Date Inj'd	: 10/28/2020 8:58 pm	Instrument	: VOA111
Sample	: I8260STD100PPB	Quant Date	: 10/30/2020 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P10.D
 Acq On : 28 Oct 2020 09:22 pm
 Operator : VOA111:JC
 Sample : I8260STD200PPB
 Misc : WG1428080,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 08:47:12 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.439	96	114169	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery =	103.78%		
59) Chlorobenzene-d5	8.900	117	88396	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery =	107.50%		
79) 1,4-Dichlorobenzene-d4	11.736	152	46493	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery =	109.67%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	29383	20.196	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.98%		
43) 1,2-Dichloroethane-d4	5.162	65	28991	20.539	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.70%		
60) Toluene-d8	7.091	98	110045	19.336	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	96.68%		
83) 4-Bromofluorobenzene	10.452	95	38154	19.073	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.36%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	172894M1	200.519	ug/L	
3) Chloromethane	1.654	50	189643	198.591	ug/L	97
4) Vinyl chloride	1.691	62	242471	200.380	ug/L	97
5) Bromomethane	1.953	94	204517	174.456	ug/L	98
6) Chloroethane	2.037	64	210644M1	216.731	ug/L	
7) Trichlorofluoromethane	2.163	101	337506	207.671	ug/L	100
8) Ethyl ether	2.430	74	116714	222.982	ug/L	70
10) 1,1-Dichloroethene	2.592	96	177614	207.022	ug/L	81
11) Carbon disulfide	2.619	76	456264	190.494	ug/L	99
12) Freon-113	2.629	101	183667	204.927	ug/L	99
14) Acrolein	2.876	56	24485	234.372	ug/L	99
15) Methylene chloride	3.085	84	221959	202.963	ug/L	68
17) Acetone	3.122	43	45739	203.930	ug/L	90
18) trans-1,2-Dichloroethene	3.227	96	212722	212.321	ug/L	84
19) Methyl acetate	3.232	43	126174	222.756	ug/L	# 84
20) Methyl tert-butyl ether	3.316	73	582880	223.101	ug/L	85
21) tert-Butyl alcohol	3.400	59	104377	1193.346	ug/L	93
22) Diisopropyl ether	3.652	45	717283	224.494	ug/L	# 92
23) 1,1-Dichloroethane	3.762	63	377875	207.664	ug/L	96
24) Halothane	3.819	117	164716	211.042	ug/L	99
25) Acrylonitrile	3.798	53	60160	225.415	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P10.D
 Acq On : 28 Oct 2020 09:22 pm
 Operator : VOA111:JC
 Sample : I8260STD200PPB
 Misc : WG1428080,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 08:47:12 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	693978	231.219	ug/L	95
27) Vinyl acetate	3.982	43	538331	241.064	ug/L #	91
28) cis-1,2-Dichloroethene	4.244	96	245102	214.469	ug/L	83
29) 2,2-Dichloropropane	4.338	77	303606	210.008	ug/L	89
30) Bromochloromethane	4.428	128	120996	218.154	ug/L #	65
31) Cyclohexane	4.433	56	335517	219.414	ug/L	72
32) Chloroform	4.501	83	387406	206.206	ug/L	96
33) Ethyl acetate	4.606	43	193696	235.919	ug/L #	96
34) Carbon tetrachloride	4.627	117	307062	207.518	ug/L	98
35) Tetrahydrofuran	4.637	42	66759	205.267	ug/L #	74
37) 1,1,1-Trichloroethane	4.684	97	324225	215.643	ug/L	96
39) 2-Butanone	4.774	43	78748	202.773	ug/L #	71
40) 1,1-Dichloropropene	4.805	75	279993	224.148	ug/L	99
41) Benzene	5.036	78	855802	215.942	ug/L	90
42) tert-Amyl methyl ether	5.151	73	610668	232.176	ug/L	90
44) 1,2-Dichloroethane	5.230	62	299793	210.674	ug/L	98
47) Methyl cyclohexane	5.607	83	352075	220.526	ug/L #	71
48) Trichloroethene	5.613	95	230195	228.096	ug/L	99
50) Dibromomethane	6.032	93	140240	228.080	ug/L	97
51) 1,2-Dichloropropane	6.137	63	233830	219.568	ug/L	97
53) 2-Chloroethyl vinyl ether	6.829	63	134596	223.119	ug/L #	78
54) Bromodichloromethane	6.215	83	329799	233.359	ug/L	99
57) 1,4-Dioxane	6.420	88	101855	10187.201	ug/L #	75
58) cis-1,3-Dichloropropene	6.887	75	386014	203.980	ug/L #	88
61) Toluene	7.149	92	559127	204.259	ug/L	97
62) 4-Methyl-2-pentanone	7.579	58	77609	204.456	ug/L #	77
63) Tetrachloroethene	7.589	166	244174	223.557	ug/L	98
65) trans-1,3-Dichloropropene	7.626	75	346047	229.730	ug/L #	82
67) Ethyl methacrylate	7.830	69	276195	231.166	ug/L	96
68) 1,1,2-Trichloroethane	7.804	83	168849	218.822	ug/L	98
69) Chlorodibromomethane	8.009	129	259525	204.386	ug/L	99
70) 1,3-Dichloropropane	8.119	76	337182	213.577	ug/L	100
71) 1,2-Dibromoethane	8.271	107	202314	223.773	ug/L	100
72) 2-Hexanone	8.575	43	133465	234.967	ug/L	90
73) Chlorobenzene	8.921	112	665125	210.948	ug/L	97
74) Ethylbenzene	8.973	91	1085987	214.825	ug/L	98
75) 1,1,1,2-Tetrachloroethane	9.010	131	253704	202.853	ug/L	100
76) p/m Xylene	9.157	106	901397	467.725	ug/L	98
77) o Xylene	9.697	106	855523	475.363	ug/L	97
78) Styrene	9.770	104	1555776	409.971	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P10.D
 Acq On : 28 Oct 2020 09:22 pm
 Operator : VOA111:JC
 Sample : I8260STD200PPB
 Misc : WG1428080,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 08:47:12 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.781	173	180078	242.020	ug/L	99
82)	Isopropylbenzene	10.116	105	1090933	211.133	ug/L	99
84)	Bromobenzene	10.562	156	290040	207.986	ug/L	100
85)	n-Propylbenzene	10.635	91	1324067	209.734	ug/L	99
86)	1,4-Dichlorobutane	10.641	55	351013	218.087	ug/L	95
87)	1,1,2,2-Tetrachloroethane	10.730	83	257592	218.045	ug/L	99
88)	4-Ethyltoluene	10.772	105	1086700	215.632	ug/L	99
89)	2-Chlorotoluene	10.798	91	892461	206.039	ug/L	99
90)	1,3,5-Trimethylbenzene	10.882	105	935418	215.116	ug/L	99
91)	1,2,3-Trichloropropane	10.866	75	201841	209.142	ug/L	98
92)	trans-1,4-Dichloro-2-b...	10.929	53	71997	231.305	ug/L #	80
93)	4-Chlorotoluene	10.997	91	806485	210.167	ug/L	98
94)	tert-Butylbenzene	11.233	119	783347	212.369	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	938333	222.311	ug/L	99
98)	sec-Butylbenzene	11.438	105	1196915	213.565	ug/L	99
99)	p-Isopropyltoluene	11.605	119	1042572	222.279	ug/L	98
100)	1,3-Dichlorobenzene	11.653	146	581462	211.749	ug/L	99
101)	1,4-Dichlorobenzene	11.752	146	583698	204.810	ug/L	99
102)	p-Diethylbenzene	11.993	119	626556	226.296	ug/L	99
103)	n-Butylbenzene	12.051	91	935937	216.648	ug/L	99
104)	1,2-Dichlorobenzene	12.187	146	544526	213.226	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.811	119	998889	239.590	ug/L	99
106)	1,2-Dibromo-3-chloropr...	12.990	155	42490	205.165	ug/L	96
107)	1,3,5-Trichlorobenzene	13.026	180	392825	214.321	ug/L	99
108)	Hexachlorobutadiene	13.624	225	184603	212.325	ug/L	100
109)	1,2,4-Trichlorobenzene	13.634	180	386529	230.151	ug/L	99
110)	Naphthalene	13.928	128	786500	229.562	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	322960	219.381	ug/L	98

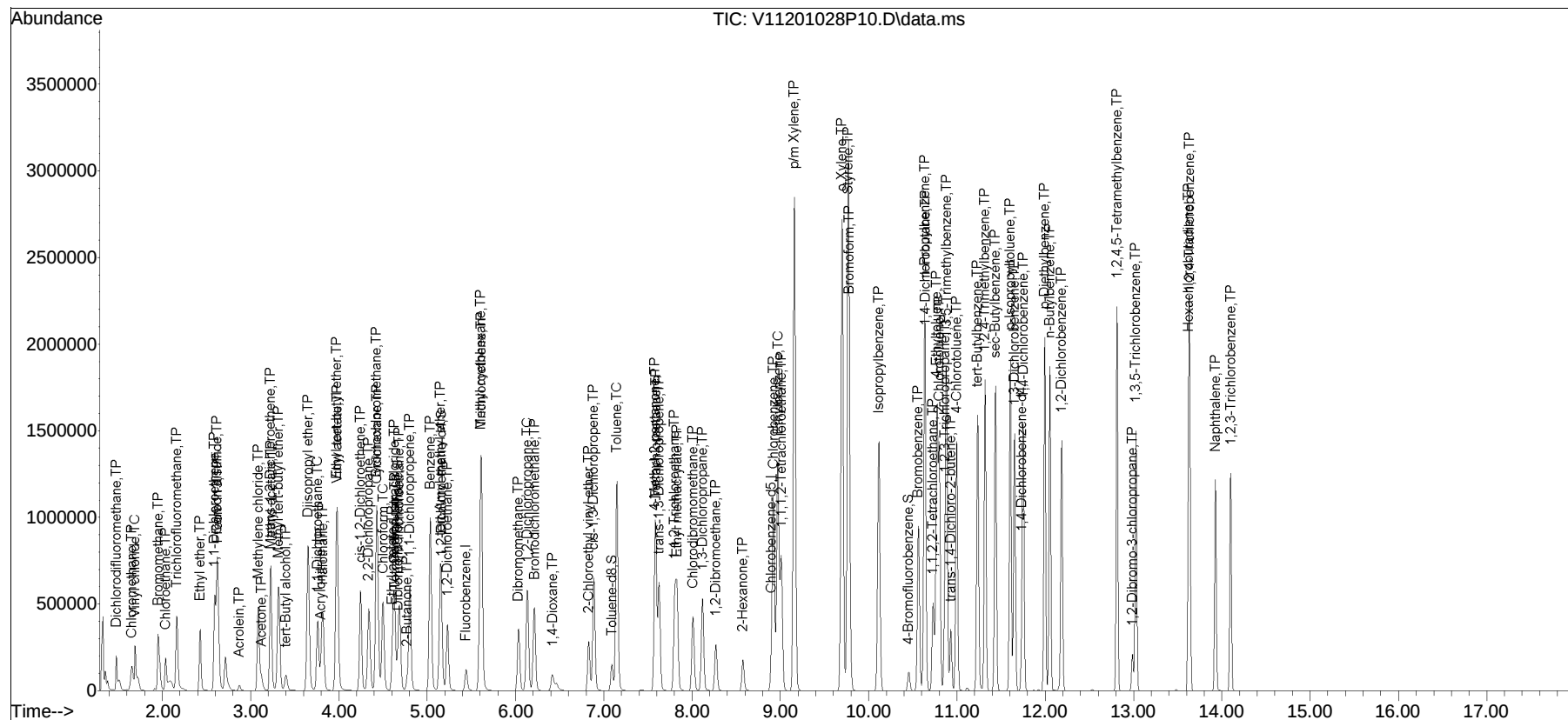
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P10.D
 Acq On : 28 Oct 2020 09:22 pm
 Operator : VOA111:JC
 Sample : I8260STD200PPB
 Misc : WG1428080,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 08:47:12 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

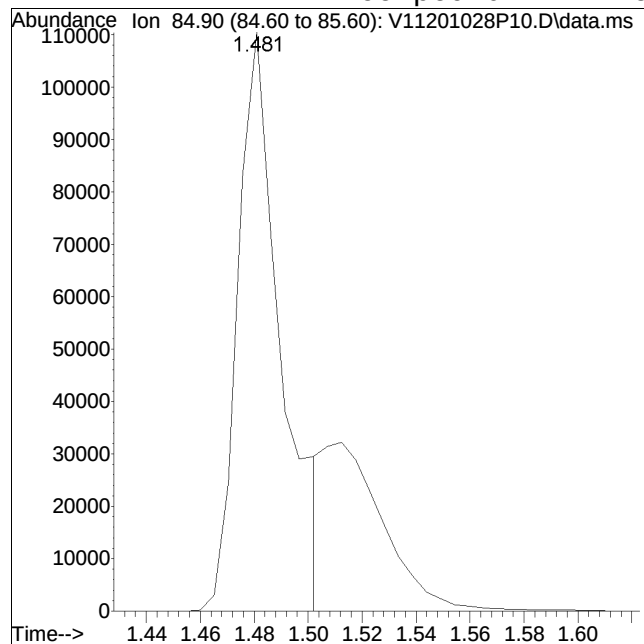
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11201028P08.D•



Manual Integration Report

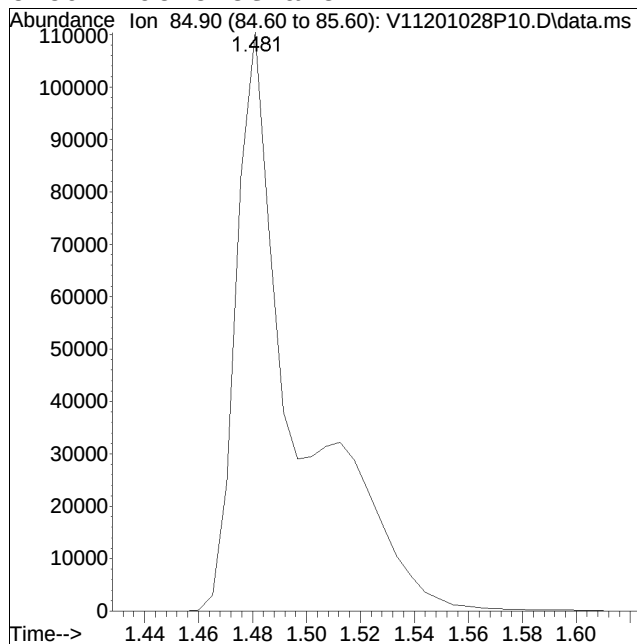
Data Path : I:\VOLATILES\VOA111\2020\2QMethod : V111_201028P_8260.m
Data File : V11201028P10.D Operator : VOA111:JC
Date Inj'd : 10/28/2020 9:22 pm Instrument : VOA111
Sample : I8260STD200PPB Quant Date : 10/30/2020 8:47 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 122624

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



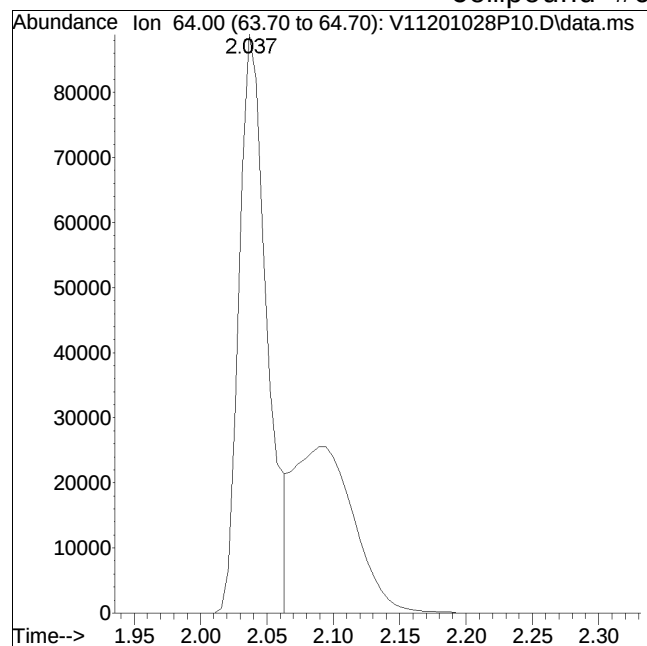
Manual Peak Response = 172894 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20
Data File : V11201028P10.D
Date Inj'd : 10/28/2020 9:22 pm
Sample : I8260STD200PPB

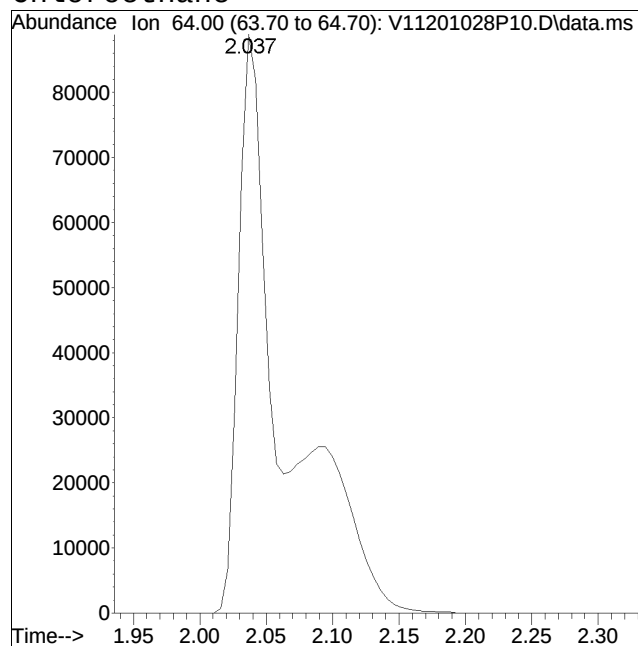
Method : V111_201028P_8260.m
Operator : VOA111:JC
Instrument : VOA111
Quant Date : 10/30/2020 8:47 am

Compound #6: Chloroethane



Original Peak Response = 129782

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



Manual Peak Response = 210644 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P11.D
 Acq On : 28 Oct 2020 09:47 pm
 Operator : VOA111:JC
 Sample : I8260STD300PPB
 Misc : WG1428080,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 08:47:21 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	118093	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery =	107.34%		
59) Chlorobenzene-d5	8.900	117	92729	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery =	112.77%		
79) 1,4-Dichlorobenzene-d4	11.737	152	48587	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery =	114.61%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	30742	20.428	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.14%		
43) 1,2-Dichloroethane-d4	5.167	65	31013	21.242	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.21%		
60) Toluene-d8	7.091	98	114298	19.144	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.72%		
83) 4-Bromofluorobenzene	10.452	95	39814	19.045	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.23%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	264076M1	296.094	ug/L	
3) Chloromethane	1.654	50	289255	292.839	ug/L	97
4) Vinyl chloride	1.691	62	368493	294.406	ug/L	97
5) Bromomethane	1.953	94	317708	262.004	ug/L	98
6) Chloroethane	2.037	64	216681M1	215.535	ug/L	
7) Trichlorofluoromethane	2.158	101	553309	329.144	ug/L	100
8) Ethyl ether	2.430	74	180711	333.776	ug/L	70
10) 1,1-Dichloroethene	2.593	96	275601	310.559	ug/L	81
11) Carbon disulfide	2.619	76	705990	284.963	ug/L	99
12) Freon-113	2.629	101	283916	306.254	ug/L	98
14) Acrolein	2.876	56	37817	349.958	ug/L	97
15) Methylene chloride	3.086	84	337259	298.148	ug/L	69
17) Acetone	3.122	43	69949	302.388	ug/L	91
18) trans-1,2-Dichloroethene	3.227	96	326926	315.467	ug/L	84
19) Methyl acetate	3.232	43	197650	337.350	ug/L	# 84
20) Methyl tert-butyl ether	3.316	73	903110	334.186	ug/L	85
21) tert-Butyl alcohol	3.405	59	161201	1781.776	ug/L	92
22) Diisopropyl ether	3.652	45	1112532	336.629	ug/L	# 92
23) 1,1-Dichloroethane	3.762	63	579936	308.118	ug/L	97
24) Halothane	3.820	117	252623	312.918	ug/L	99
25) Acrylonitrile	3.799	53	93049	337.063	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P11.D
 Acq On : 28 Oct 2020 09:47 pm
 Operator : VOA111:JC
 Sample : I8260STD300PPB
 Misc : WG1428080,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 08:47:21 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
26) Ethyl tert-butyl ether	3.977	59	1086663	350.023	ug/L		94
27) Vinyl acetate	3.982	43	845868	366.193	ug/L	#	91
28) cis-1,2-Dichloroethene	4.244	96	377485	319.332	ug/L		83
29) 2,2-Dichloropropane	4.339	77	469448	313.933	ug/L		89
30) Bromochloromethane	4.428	128	188043	327.774	ug/L	#	65
31) Cyclohexane	4.433	56	522262	330.189	ug/L		72
32) Chloroform	4.501	83	596101	306.746	ug/L		96
33) Ethyl acetate	4.606	43	298098	351.014	ug/L	#	96
34) Carbon tetrachloride	4.627	117	474622	310.099	ug/L		98
35) Tetrahydrofuran	4.638	42	102345	303.598	ug/L	#	74
37) 1,1,1-Trichloroethane	4.685	97	499814	321.382	ug/L		96
39) 2-Butanone	4.774	43	120678	299.976	ug/L	#	71
40) 1,1-Dichloropropene	4.805	75	431372	333.859	ug/L		99
41) Benzene	5.036	78	1315820	320.985	ug/L		90
42) tert-Amyl methyl ether	5.151	73	951615	349.781	ug/L		90
44) 1,2-Dichloroethane	5.230	62	459020	311.849	ug/L		97
47) Methyl cyclohexane	5.607	83	554073	335.517	ug/L	#	70
48) Trichloroethene	5.613	95	361885	346.670	ug/L		99
50) Dibromomethane	6.037	93	217526	342.020	ug/L		98
51) 1,2-Dichloropropane	6.137	63	362550	329.126	ug/L		97
53) 2-Chloroethyl vinyl ether	6.829	63	211916	339.620	ug/L	#	78
54) Bromodichloromethane	6.216	83	508993	348.185	ug/L		99
57) 1,4-Dioxane	6.420	88	158137	15256.727	ug/L	#	74
58) cis-1,3-Dichloropropene	6.887	75	599501	306.051	ug/L	#	88
61) Toluene	7.149	92	870502	303.151	ug/L		98
62) 4-Methyl-2-pentanone	7.579	58	122464	306.713	ug/L	#	76
63) Tetrachloroethene	7.589	166	382219	333.594	ug/L		98
65) trans-1,3-Dichloropropene	7.626	75	539323	341.309	ug/L	#	82
67) Ethyl methacrylate	7.831	69	434122	346.367	ug/L		95
68) 1,1,2-Trichloroethane	7.804	83	262503	324.297	ug/L		99
69) Chlorodibromomethane	8.009	129	401905	301.556	ug/L		98
70) 1,3-Dichloropropane	8.119	76	521108	314.655	ug/L		100
71) 1,2-Dibromoethane	8.271	107	312203	329.182	ug/L		99
72) 2-Hexanone	8.575	43	206399	346.389	ug/L		90
73) Chlorobenzene	8.921	112	1031439	311.840	ug/L		97
74) Ethylbenzene	8.974	91	1691541	318.978	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.010	131	395975	301.679	ug/L		100
76) p/m Xylene	9.162	106	1438846	711.715	ug/L		98
77) o Xylene	9.702	106	1364580	722.786	ug/L		97
78) Styrene	9.771	104	2481982	594.422	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P11.D
 Acq On : 28 Oct 2020 09:47 pm
 Operator : VOA111:JC
 Sample : I8260STD300PPB
 Misc : WG1428080,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 08:47:21 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.781	173	290206	373.220	ug/L	99
82)	Isopropylbenzene	10.117	105	1694609	313.830	ug/L	99
84)	Bromobenzene	10.567	156	449478	308.428	ug/L	100
85)	n-Propylbenzene	10.636	91	2076524	314.748	ug/L	99
86)	1,4-Dichlorobutane	10.641	55	553748	329.219	ug/L	94
87)	1,1,2,2-Tetrachloroethane	10.730	83	396286	320.988	ug/L	98
88)	4-Ethyltoluene	10.777	105	1692354	321.338	ug/L	99
89)	2-Chlorotoluene	10.798	91	1393278	307.797	ug/L	99
90)	1,3,5-Trimethylbenzene	10.882	105	1458150	320.875	ug/L	99
91)	1,2,3-Trichloropropane	10.866	75	314900	312.228	ug/L	98
92)	trans-1,4-Dichloro-2-b...	10.929	53	111471	342.689	ug/L #	79
93)	4-Chlorotoluene	10.997	91	1246437	310.817	ug/L	99
94)	tert-Butylbenzene	11.233	119	1223364	317.366	ug/L	98
97)	1,2,4-Trimethylbenzene	11.322	105	1456447	330.191	ug/L	99
98)	sec-Butylbenzene	11.438	105	1850534	315.959	ug/L	99
99)	p-Isopropyltoluene	11.606	119	1621790	330.867	ug/L	98
100)	1,3-Dichlorobenzene	11.653	146	897333	312.696	ug/L	99
101)	1,4-Dichlorobenzene	11.752	146	903062	303.214	ug/L	99
102)	p-Diethylbenzene	11.994	119	980911	339.011	ug/L	99
103)	n-Butylbenzene	12.051	91	1454086	322.081	ug/L	99
104)	1,2-Dichlorobenzene	12.188	146	842904	315.840	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.812	119	1603268	367.981	ug/L	99
106)	1,2-Dibromo-3-chloropr...	12.990	155	65709	302.795	ug/L	97
107)	1,3,5-Trichlorobenzene	13.026	180	616935	322.087	ug/L	98
108)	Hexachlorobutadiene	13.624	225	300783	331.042	ug/L	100
109)	1,2,4-Trichlorobenzene	13.635	180	623104	355.025	ug/L	99
110)	Naphthalene	13.928	128	1228581	343.141	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	508300	330.399	ug/L	98

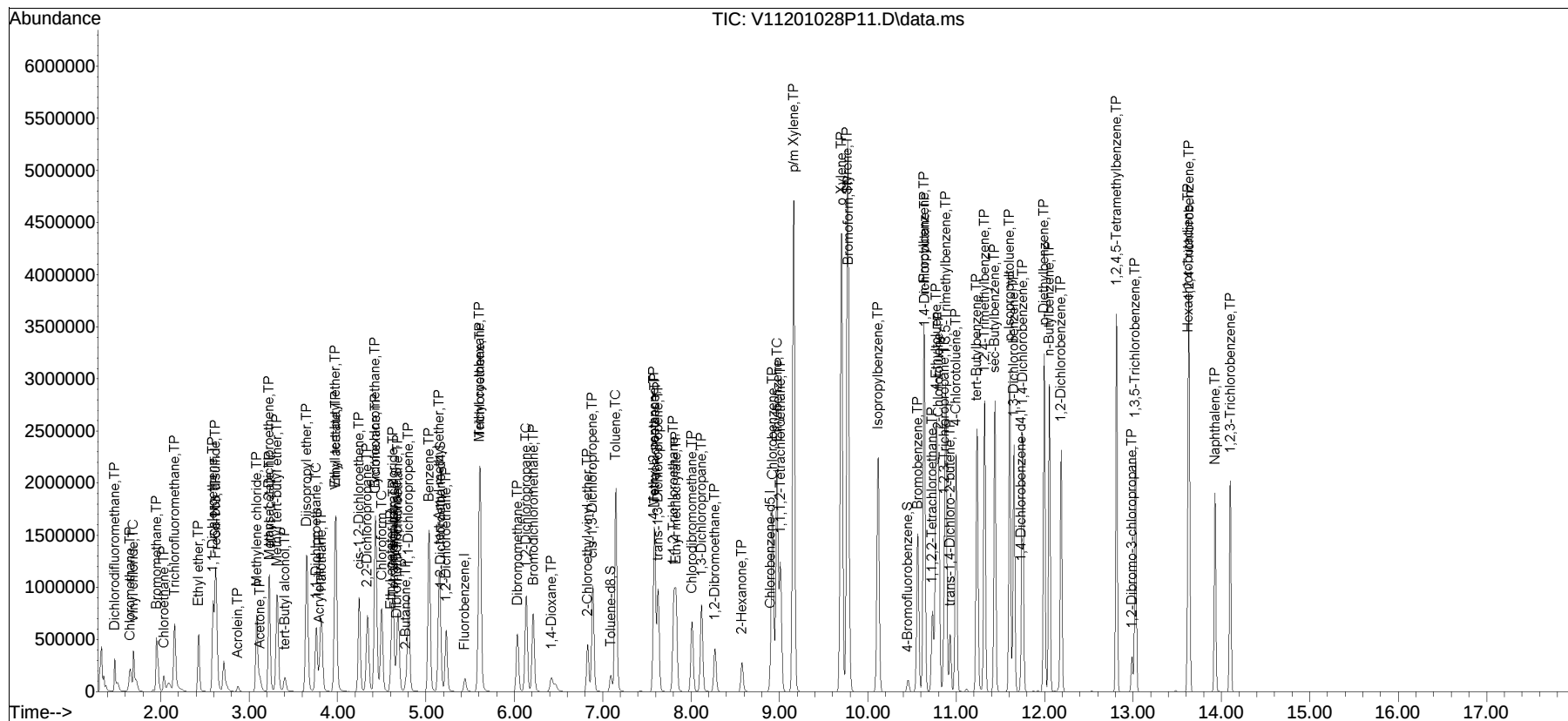
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
Data File : V11201028P11.D
Acq On : 28 Oct 2020 09:47 pm
Operator : VOA111:JC
Sample : I8260STD300PPB
Misc : WG1428080,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 08:47:21 2020
Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 29 12:26:02 2020
Response via : Initial Calibration

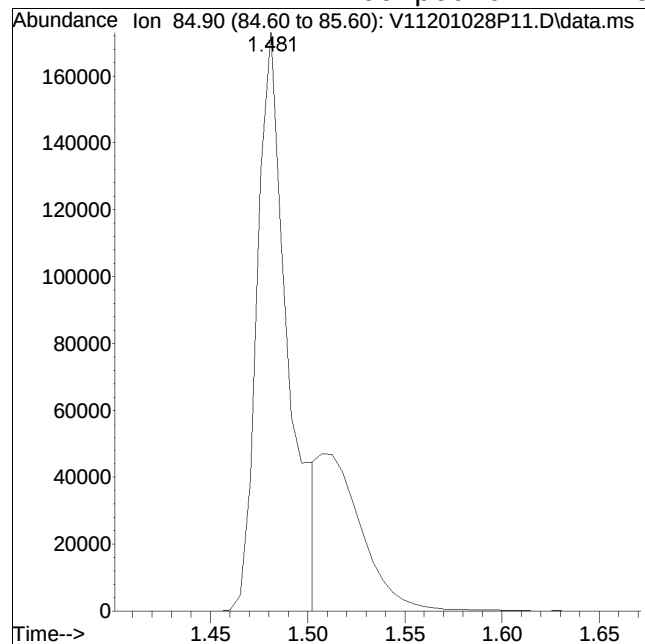
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11201028P08.D•



Manual Integration Report

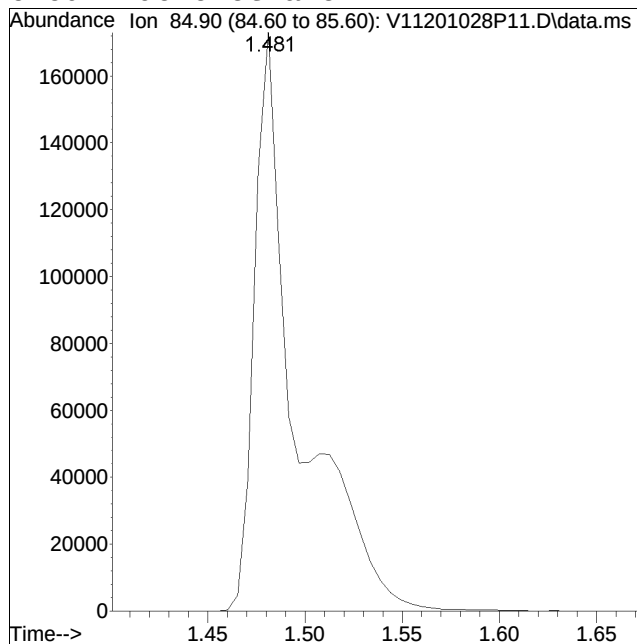
Data Path : I:\VOLATILES\VOA111\2020\2QMethod : V111_201028P_8260.m
Data File : V11201028P11.D Operator : VOA111:JC
Date Inj'd : 10/28/2020 9:47 pm Instrument : VOA111
Sample : I8260STD300PPB Quant Date : 10/30/2020 8:47 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 190944

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

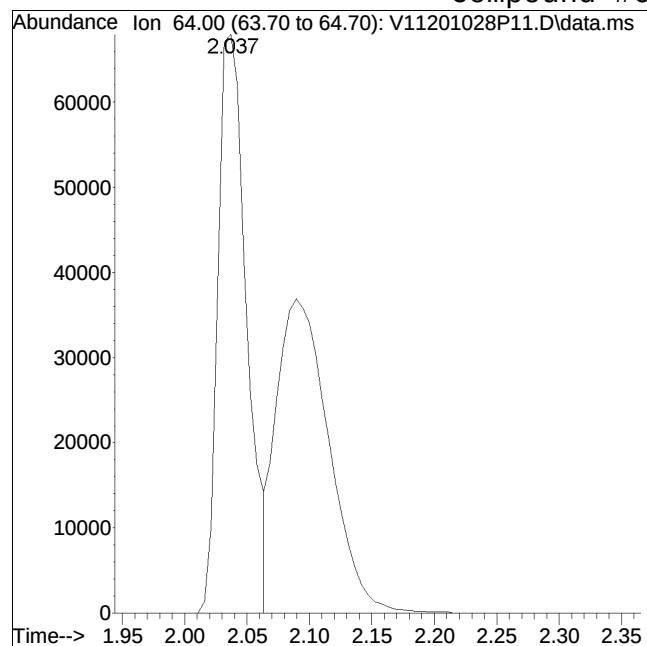


Manual Peak Response = 264076 M1

Manual Integration Report

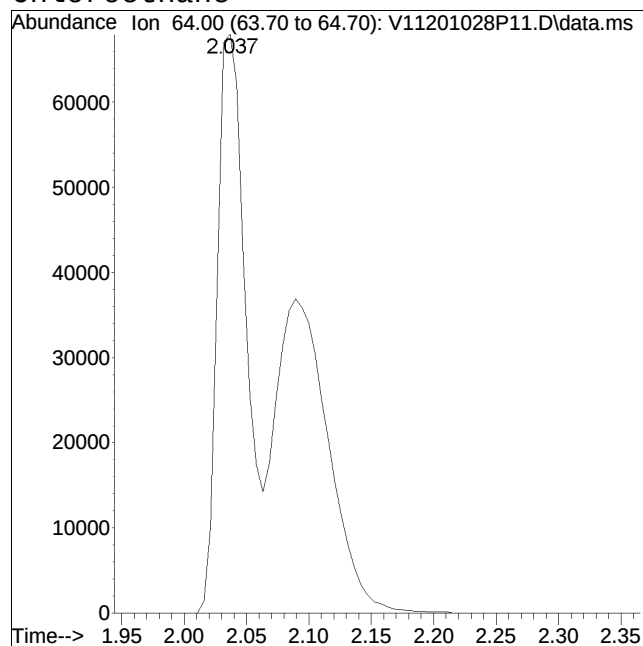
Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201028P11.D Operator : VOA111:JC
Date Inj'd : 10/28/2020 9:47 pm Instrument : VOA111
Sample : I8260STD300PPB Quant Date : 10/30/2020 8:47 am

Compound #6: Chloroethane



Original Peak Response = 108804

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



Manual Peak Response = 216681 M1

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P16.D
 Acq On : 28 Oct 2020 11:51 pm
 Operator : VOA111:JC
 Sample : C8260STD40PPB
 Misc : WG1428080,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 08:45:14 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	98	0.00
2 TP	Dichlorodifluoromethane	0.151	0.148	2.0	96	0.00
3 TP	Chloromethane	0.167	0.199	-19.2	120	0.00
4 TC	Vinyl chloride	0.212	0.238	-12.3	112	0.00
5 TP	Bromomethane	0.205	0.217	-5.9	121	0.00
6 TP	Chloroethane	0.170	0.191	-12.4	105	0.00
7 TP	Trichlorofluoromethane	0.285	0.282	1.1	103	0.00
8 TP	Ethyl ether	0.092	0.098	-6.5	102	0.00
10 TP	1,1-Dichloroethene	0.150	0.145	3.3	97	0.00
11 TP	Carbon disulfide	0.420	0.549	-30.7#	141	0.00
12 TP	Freon-113	0.157	0.181	-15.3	114	0.00
14 TP	Acrolein	0.018	0.016#	11.1	84	0.00
15 TP	Methylene chloride	0.192	0.189	1.6	99	0.00
17 TP	Acetone	* 40.000	43.988	-10.0	111	0.00
18 TP	trans-1,2-Dichloroethene	0.176	0.171	2.8	95	0.00
19 TP	Methyl acetate	0.099	0.128	-29.3#	120	0.00
20 TP	Methyl tert-butyl ether	0.458	0.462	-0.9	97	0.00
21 TP	tert-Butyl alcohol	0.015	0.016#	-6.7	99	0.00
22 TP	Diisopropyl ether	0.560	0.569	-1.6	97	0.00
23 TC	1,1-Dichloroethane	0.319	0.329	-3.1	101	0.00
24 TP	Halothane	0.137	0.146	-6.6	104	0.00
25 TP	Acrylonitrile	0.047	0.051	-8.5	102	0.00
26 TP	Ethyl tert-butyl ether	0.526	0.548	-4.2	99	0.00
27 TP	Vinyl acetate	0.391	0.438	-12.0	103	0.00
28 TP	cis-1,2-Dichloroethene	0.200	0.205	-2.5	99	0.00
29 TP	2,2-Dichloropropane	0.253	0.241	4.7	93	0.00
30 TP	Bromochloromethane	0.097	0.106	-9.3	105	0.00
31 TP	Cyclohexane	0.268	0.301	-12.3	109	0.00
32 TC	Chloroform	0.329	0.333	-1.2	99	0.00
33 TP	Ethyl acetate	0.144	0.139	3.5	88	0.00
34 TP	Carbon tetrachloride	0.259	0.245	5.4	94	0.00
35 TP	Tetrahydrofuran	* 40.000	36.981	7.5	96	0.00
36 S	Dibromofluoromethane	0.255	0.254	0.4	98	0.00
37 TP	1,1,1-Trichloroethane	0.263	0.280	-6.5	100	0.00
39 TP	2-Butanone	* 40.000	42.793	-7.0	104	0.00
40 TP	1,1-Dichloropropene	0.219	0.231	-5.5	98	0.00
41 TP	Benzene	0.694	0.719	-3.6	99	0.00
42 TP	tert-Amyl methyl ether	0.461	0.479	-3.9	97	0.00
43 S	1,2-Dichloroethane-d4	0.247	0.243	1.6	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P16.D
 Acq On : 28 Oct 2020 11:51 pm
 Operator : VOA111:JC
 Sample : C8260STD40PPB
 Misc : WG1428080,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 08:45:14 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	0.249	0.253	-1.6	99	0.00
47 TP	Methyl cyclohexane	0.280	0.295	-5.4	103	0.00
48 TP	Trichloroethene	0.177	0.191#	-7.9	99	0.00
50 TP	Dibromomethane	0.108	0.117	-8.3	99	0.00
51 TC	1,2-Dichloropropane	0.187	0.195	-4.3	100	0.00
53 TP	2-Chloroethyl vinyl ether	0.106	0.098	7.5	96	0.00
54 TP	Bromodichloromethane	0.248	0.257	-3.6	95	0.00
57 TP	1,4-Dioxane	*2000.000	1812.456	9.4	95	0.00
58 TP	cis-1,3-Dichloropropene	* 40.000	36.519	8.7	96	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
60 S	Toluene-d8	1.288	1.284	0.3	98	0.00
61 TC	Toluene	0.619	0.623	-0.6	100	0.00
62 TP	4-Methyl-2-pentanone	* 40.000	39.530	1.2	105	0.00
63 TP	Tetrachloroethene	0.247	0.262	-6.1	97	0.00
65 TP	trans-1,3-Dichloropropene	0.341	0.374	-9.7	101	0.00
67 TP	Ethyl methacrylate	0.270	0.266	1.5	96	0.00
68 TP	1,1,2-Trichloroethane	0.175	0.187	-6.9	99	0.00
69 TP	Chlorodibromomethane	* 40.000	39.974	0.1	101	0.00
70 TP	1,3-Dichloropropane	0.357	0.371	-3.9	99	0.00
71 TP	1,2-Dibromoethane	0.205	0.222	-8.3	98	0.00
72 TP	2-Hexanone	0.129	0.139	-7.8	103	0.00
73 TP	Chlorobenzene	0.713	0.735	-3.1	100	0.00
74 TC	Ethylbenzene	1.144	1.168	-2.1	98	0.00
75 TP	1,1,1,2-Tetrachloroethane	* 40.000	39.659	0.9	100	0.00
76 TP	p/m Xylene	0.436	0.468	-7.3	98	0.00
77 TP	o Xylene	0.407	0.441	-8.4	99	0.00
78 TP	Styrene	* 80.000	80.060	-0.1	100	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
80 TP	Bromoform	0.320	0.346	-8.1	102	0.00
82 TP	Isopropylbenzene	2.223	2.199	1.1	98	0.00
83 S	4-Bromofluorobenzene	0.861	0.840	2.4	99	0.00
84 TP	Bromobenzene	0.600	0.600	0.0	100	0.00
85 TP	n-Propylbenzene	2.716	2.623	3.4	97	0.00
86 TP	1,4-Dichlorobutane	0.692	0.703	-1.6	99	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.508	0.526	-3.5	96	0.00
88 TP	4-Ethyltoluene	2.168	2.076	4.2	93	0.00
89 TP	2-Chlorotoluene	1.863	1.792	3.8	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P16.D
 Acq On : 28 Oct 2020 11:51 pm
 Operator : VOA111:JC
 Sample : C8260STD40PPB
 Misc : WG1428080,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 08:45:14 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	1.871	1.847	1.3	96	0.00
91 TP	1,2,3-Trichloropropane	0.415	0.421	-1.4	100	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.134	0.137	-2.2	93	0.00
93 TP	4-Chlorotoluene	1.651	1.616	2.1	97	0.00
94 TP	tert-Butylbenzene	1.587	1.587	0.0	98	0.00
97 TP	1,2,4-Trimethylbenzene	1.816	1.914	-5.4	101	0.00
98 TP	sec-Butylbenzene	2.411	2.385	1.1	96	0.00
99 TP	p-Isopropyltoluene	2.018	2.006	0.6	95	0.00
100 TP	1,3-Dichlorobenzene	1.181	1.143	3.2	96	0.00
101 TP	1,4-Dichlorobenzene	1.226	1.160	5.4	97	0.00
102 TP	p-Diethylbenzene	1.191	1.073	9.9	85	0.00
103 TP	n-Butylbenzene	1.858	1.890	-1.7	99	0.00
104 TP	1,2-Dichlorobenzene	1.099	1.078	1.9	97	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.793	1.719	4.1	88	0.00
106 TP	1,2-Dibromo-3-chloropropane *	40.000	38.925	2.7	100	0.00
107 TP	1,3,5-Trichlorobenzene	0.788	0.785	0.4	98	0.00
108 TP	Hexachlorobutadiene	0.374	0.332	11.2	91	0.00
109 TP	1,2,4-Trichlorobenzene	0.722	0.697	3.5	94	0.00
110 TP	Naphthalene	1.474	1.534	-4.1	95	0.00
111 TP	1,2,3-Trichlorobenzene	0.633	0.618	2.4	93	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\VOA111\2020\201028ICAL\
 Data File : V11201028P16.D
 Acq On : 28 Oct 2020 11:51 pm
 Operator : VOA111:JC
 Sample : C8260STD40PPB
 Misc : WG1428080,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 08:45:14 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	107889	20.000	ug/L	0.00
Standard Area 1 = 110014			Recovery =	98.07%		
59) Chlorobenzene-d5	8.900	117	80470	20.000	ug/L	0.00
Standard Area 1 = 82226			Recovery =	97.86%		
79) 1,4-Dichlorobenzene-d4	11.737	152	41938	20.000	ug/L	0.00
Standard Area 1 = 42394			Recovery =	98.92%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	27440	19.958	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.79%		
43) 1,2-Dichloroethane-d4	5.167	65	26181	19.628	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.14%		
60) Toluene-d8	7.091	98	103291	19.937	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.69%		
83) 4-Bromofluorobenzene	10.452	95	35226	19.522	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.61%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	31883	39.130	ug/L	98
3) Chloromethane	1.659	50	42920	47.561	ug/L	98
4) Vinyl chloride	1.696	62	51309	44.870	ug/L	96
5) Bromomethane	1.953	94	46886	42.322	ug/L	98
6) Chloroethane	2.053	64	41271	44.935	ug/L	97
7) Trichlorofluoromethane	2.173	101	60865	39.631	ug/L	99
8) Ethyl ether	2.430	74	21122	42.702	ug/L	71
10) 1,1-Dichloroethene	2.598	96	31289	38.592	ug/L	81
11) Carbon disulfide	2.624	76	118379	52.301	ug/L	100
12) Freon-113	2.635	101	39034	46.087	ug/L	100
14) Acrolein	2.881	56	3528	35.736	ug/L	100
15) Methylene chloride	3.091	84	40704	39.387	ug/L	69
17) Acetone	3.122	43	9626	43.988	ug/L	96
18) trans-1,2-Dichloroethene	3.232	96	36904	38.978	ug/L	84
19) Methyl acetate	3.238	43	27681	51.715	ug/L #	88
20) Methyl tert-butyl ether	3.322	73	99796	40.421	ug/L	86
21) tert-Butyl alcohol	3.405	59	17681	213.914	ug/L	96
22) Diisopropyl ether	3.652	45	122774	40.662	ug/L #	91
23) 1,1-Dichloroethane	3.762	63	70930	41.249	ug/L	97
24) Halothane	3.820	117	31397	42.569	ug/L	99
25) Acrylonitrile	3.799	53	11075	43.913	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P16.D
 Acq On : 28 Oct 2020 11:51 pm
 Operator : VOA111:JC
 Sample : C8260STD40PPB
 Misc : WG1428080,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 08:45:14 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	118324	41.718	ug/L	93
27) Vinyl acetate	3.982	43	94615	44.835	ug/L #	91
28) cis-1,2-Dichloroethene	4.250	96	44272	40.994	ug/L #	82
29) 2,2-Dichloropropane	4.344	77	51903	37.992	ug/L	90
30) Bromochloromethane	4.428	128	22935	43.758	ug/L #	65
31) Cyclohexane	4.433	56	65018	44.994	ug/L #	71
32) Chloroform	4.501	83	71823	40.455	ug/L	96
33) Ethyl acetate	4.611	43	29951	38.603	ug/L #	95
34) Carbon tetrachloride	4.627	117	52793	37.755	ug/L	98
35) Tetrahydrofuran	4.643	42	11034	36.981	ug/L #	74
37) 1,1,1-Trichloroethane	4.690	97	60335	42.465	ug/L	96
39) 2-Butanone	4.774	43	15439	42.793	ug/L #	80
40) 1,1-Dichloropropene	4.805	75	49883	42.258	ug/L	99
41) Benzene	5.036	78	155044	41.399	ug/L	90
42) tert-Amyl methyl ether	5.151	73	103265	41.547	ug/L	92
44) 1,2-Dichloroethane	5.230	62	54596	40.600	ug/L	98
47) Methyl cyclohexane	5.608	83	63743	42.250	ug/L #	70
48) Trichloroethene	5.613	95	41144	43.142	ug/L	99
50) Dibromomethane	6.037	93	25239	43.437	ug/L	98
51) 1,2-Dichloropropane	6.137	63	42011	41.745	ug/L	96
53) 2-Chloroethyl vinyl ether	6.834	63	21093	37.001	ug/L #	79
54) Bromodichloromethane	6.216	83	55439	41.511	ug/L	100
57) 1,4-Dioxane	6.420	88	16593	1812.456	ug/L #	75
58) cis-1,3-Dichloropropene	6.887	75	64680	36.519	ug/L #	88
61) Toluene	7.149	92	100265	40.236	ug/L	97
62) 4-Methyl-2-pentanone	7.579	58	13194	39.530	ug/L #	81
63) Tetrachloroethene	7.589	166	42175	42.417	ug/L	98
65) trans-1,3-Dichloropropene	7.626	75	60139	43.857	ug/L #	82
67) Ethyl methacrylate	7.831	69	42854	39.400	ug/L	97
68) 1,1,2-Trichloroethane	7.804	83	30056	42.788	ug/L	98
69) Chlorodibromomethane	8.009	129	45875	39.974	ug/L	99
70) 1,3-Dichloropropane	8.119	76	59636	41.495	ug/L	100
71) 1,2-Dibromoethane	8.271	107	35673	43.343	ug/L	100
72) 2-Hexanone	8.580	43	22353	43.229	ug/L	92
73) Chlorobenzene	8.921	112	118330	41.225	ug/L	97
74) Ethylbenzene	8.968	91	187907	40.832	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.010	131	44900	39.659	ug/L	100
76) p/m Xylene	9.157	106	150649	85.870	ug/L	98
77) o Xylene	9.697	106	141859	86.586	ug/L	97
78) Styrene	9.771	104	250976	80.060	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
 Data File : V11201028P16.D
 Acq On : 28 Oct 2020 11:51 pm
 Operator : VOA111:JC
 Sample : C8260STD40PPB
 Misc : WG1428080,ICAL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 08:45:14 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201028ICAL\V11201028P08.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.781	173	28993	43.198	ug/L	99
82)	Isopropylbenzene	10.117	105	184478	39.581	ug/L	99
84)	Bromobenzene	10.562	156	50309	39.995	ug/L	100
85)	n-Propylbenzene	10.630	91	219989	38.631	ug/L	99
86)	1,4-Dichlorobutane	10.641	55	58993	40.634	ug/L	96
87)	1,1,2,2-Tetrachloroethane	10.730	83	44097	41.381	ug/L	100
88)	4-Ethyltoluene	10.772	105	174162	38.312	ug/L	99
89)	2-Chlorotoluene	10.798	91	150311	38.471	ug/L	98
90)	1,3,5-Trimethylbenzene	10.877	105	154910	39.494	ug/L	99
91)	1,2,3-Trichloropropane	10.861	75	35330	40.584	ug/L	98
92)	trans-1,4-Dichloro-2-b...	10.929	53	11470	40.852	ug/L	83
93)	4-Chlorotoluene	10.997	91	135509	39.149	ug/L	98
94)	tert-Butylbenzene	11.233	119	133098	40.003	ug/L	97
97)	1,2,4-Trimethylbenzene	11.317	105	160525	42.162	ug/L	99
98)	sec-Butylbenzene	11.433	105	200084	39.578	ug/L	99
99)	p-Isopropyltoluene	11.606	119	168273	39.773	ug/L	98
100)	1,3-Dichlorobenzene	11.653	146	95890	38.713	ug/L	99
101)	1,4-Dichlorobenzene	11.747	146	97265	37.836	ug/L	99
102)	p-Diethylbenzene	11.994	119	89979	36.028	ug/L	99
103)	n-Butylbenzene	12.051	91	158546	40.686	ug/L	99
104)	1,2-Dichlorobenzene	12.188	146	90427	39.255	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.812	119	144208	38.346	ug/L	99
106)	1,2-Dibromo-3-chloropr...	12.990	155	7014	38.925	ug/L	98
107)	1,3,5-Trichlorobenzene	13.027	180	65808	39.804	ug/L	99
108)	Hexachlorobutadiene	13.624	225	27815	35.467	ug/L	99
109)	1,2,4-Trichlorobenzene	13.635	180	58470	38.596	ug/L	99
110)	Naphthalene	13.928	128	128701	41.645	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	51849	39.046	ug/L	98

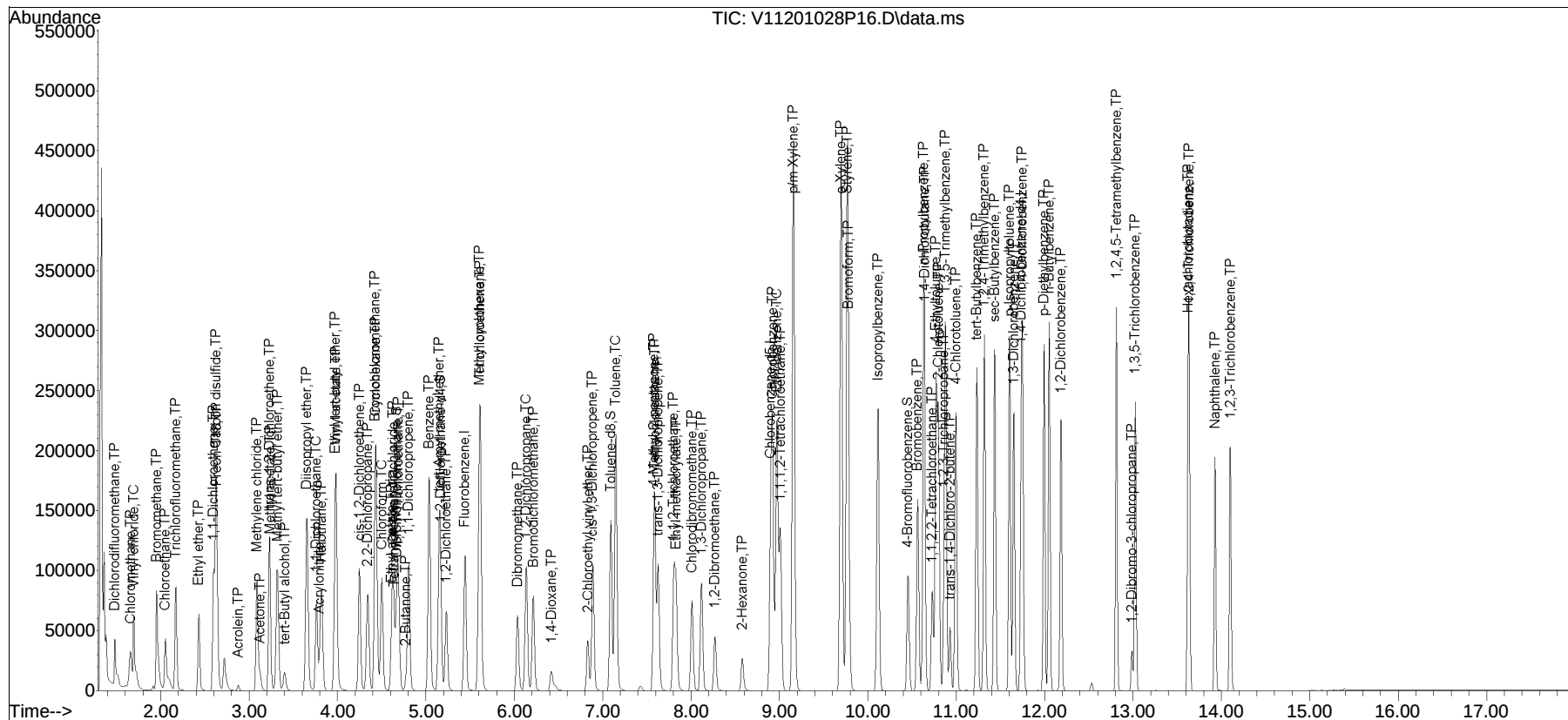
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201028ICAL\
Data File : V11201028P16.D
Acq On : 28 Oct 2020 11:51 pm
Operator : VOA111:JC
Sample : C8260STD40PPB
Misc : WG1428080,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 08:45:14 2020
Quant Method : I:\VOLATILES\VOA111\2020\201028ICAL\V111_201028P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 29 12:26:02 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11201028P08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\2Q	Method	: V111_201028P_8260.m
Data File	: V11201028P16.D	Operator	: VOA111:JC
Date Inj'd	: 10/28/2020 11:51 pm	Instrument	: VOA111
Sample	: C8260STD40PPB	Quant Date	: 10/30/2020 8:45 am

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

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Lab File ID : V11201108A01
 Sample No : WG1431978-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/08/20 13:20
 Init. Calib. Date(s) : 10/28/20 10/28/20
 Init. Calib. Times : 18:27 21:47

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	87	0
Dichlorodifluoromethane	0.151	0.133	-	11.9	20	76	0
Chloromethane	0.167	0.18	-	-7.8	20	96	0
Vinyl chloride	0.212	0.237	-	-11.8	20	99	0
Bromomethane	0.205	0.222	-	-8.3	20	109	0
Chloroethane	0.17	0.211	-	-24.1*	20	103	0
Trichlorofluoromethane	0.285	0.299	-	-4.9	20	97	0
Ethyl ether	0.092	0.097	-	-5.4	20	89	0
1,1-Dichloroethene	0.15	0.168	-	-12	20	99	0
Carbon disulfide	0.42	0.447	-	-6.4	20	102	0
Freon-113	0.157	0.17	-	-8.3	20	95	0
Acrolein	0.018	0.02*	-	-11.1	20	89	0
Methylene chloride	0.192	0.202	-	-5.2	20	94	0
Acetone	40	41.505	-	-3.8	20	93	0
trans-1,2-Dichloroethene	0.176	0.201	-	-14.2	20	99	0
Methyl acetate	0.099	0.109	-	-10.1	20	91	0
Methyl tert-butyl ether	0.458	0.466	-	-1.7	20	87	0
tert-Butyl alcohol	0.015	0.017*	-	-13.3	20	90	0
Diisopropyl ether	0.56	0.619	-	-10.5	20	93	0
1,1-Dichloroethane	0.319	0.365	-	-14.4	20	100	0
Halothane	0.137	0.161	-	-17.5	20	101	0
Acrylonitrile	0.047	0.049*	-	-4.3	20	86	0
Ethyl tert-butyl ether	0.526	0.563	-	-7	20	90	0
Vinyl acetate	0.391	0.436	-	-11.5	20	91	0
cis-1,2-Dichloroethene	0.2	0.224	-	-12	20	95	0
2,2-Dichloropropane	0.253	0.313	-	-23.7*	20	107	0
Bromochloromethane	0.097	0.104	-	-7.2	20	90	0
Cyclohexane	0.268	0.29	-	-8.2	20	93	0
Chloroform	0.329	0.373	-	-13.4	20	98	0
Ethyl acetate	0.144	0.159	-	-10.4	20	89	0
Carbon tetrachloride	0.259	0.298	-	-15.1	20	101	0
Tetrahydrofuran	40	39.295	-	1.8	20	90	0
Dibromofluoromethane	0.255	0.259	-	-1.6	20	88	0
1,1,1-Trichloroethane	0.263	0.326	-	-24*	20	103	0
2-Butanone	40	42.238	-	-5.6	20	91	0
1,1-Dichloropropene	0.219	0.264	-	-20.5*	20	99	0
Benzene	0.694	0.804	-	-15.9	20	98	0
tert-Amyl methyl ether	0.461	0.483	-	-4.8	20	87	0
1,2-Dichloroethane-d4	0.247	0.251	-	-1.6	20	89	0
1,2-Dichloroethane	0.249	0.263	-	-5.6	20	91	0
Methyl cyclohexane	0.28	0.296	-	-5.7	20	91	0
Trichloroethene	0.177	0.218	-	-23.2*	20	100	0
Dibromomethane	0.108	0.117	-	-8.3	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Lab File ID : V11201108A01
 Sample No : WG1431978-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/08/20 13:20
 Init. Calib. Date(s) : 10/28/20 10/28/20
 Init. Calib. Times : 18:27 21:47

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.187	0.208	-	-11.2	20	94	0
2-Chloroethyl vinyl ether	0.106	0.088	-	17	20	76	0
Bromodichloromethane	0.248	0.286	-	-15.3	20	93	0
1,4-Dioxane	2000	1897.27	-	5.1	20	88	0
cis-1,3-Dichloropropene	40	39.284	-	1.8	20	92	0
Chlorobenzene-d5	1	1	-	0	20	88	0
Toluene-d8	1.288	1.286	-	0.2	20	87	0
Toluene	0.619	0.683	-	-10.3	20	98	0
4-Methyl-2-pentanone	40	36.081	-	9.8	20	86	0
Tetrachloroethene	0.247	0.3	-	-21.5*	20	99	0
trans-1,3-Dichloropropene	0.341	0.375	-	-10	20	91	0
Ethyl methacrylate	0.27	0.259	-	4.1	20	84	0
1,1,2-Trichloroethane	0.175	0.187	-	-6.9	20	89	0
Chlorodibromomethane	40	39.086	-	2.3	20	89	0
1,3-Dichloropropane	0.357	0.369	-	-3.4	20	88	0
1,2-Dibromoethane	0.205	0.221	-	-7.8	20	88	0
2-Hexanone	0.129	0.128	-	0.8	20	85	0
Chlorobenzene	0.713	0.778	-	-9.1	20	94	0
Ethylbenzene	1.144	1.306	-	-14.2	20	98	0
1,1,1,2-Tetrachloroethane	40	41.811	-	-4.5	20	95	0
p/m Xylene	0.436	0.523	-	-20	20	98	0
o Xylene	0.407	0.481	-	-18.2	20	96	0
Styrene	80	84.229	-	-5.3	20	94	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
Bromoform	0.32	0.325	-	-1.6	20	89	0
Isopropylbenzene	2.223	2.389	-	-7.5	20	99	0
4-Bromofluorobenzene	0.861	0.801	-	7	20	88	0
Bromobenzene	0.6	0.595	-	0.8	20	92	0
n-Propylbenzene	2.716	2.942	-	-8.3	20	101	0
1,4-Dichlorobutane	0.692	0.682	-	1.4	20	89	0
1,1,2,2-Tetrachloroethane	0.508	0.528	-	-3.9	20	89	0
4-Ethyltoluene	2.168	2.399	-	-10.7	20	99	0
2-Chlorotoluene	1.863	1.981	-	-6.3	20	99	0
1,3,5-Trimethylbenzene	1.871	2.047	-	-9.4	20	99	0
1,2,3-Trichloropropane	0.415	0.408	-	1.7	20	90	0
trans-1,4-Dichloro-2-buten	0.134	0.147	-	-9.7	20	93	0
4-Chlorotoluene	1.651	1.767	-	-7	20	98	0
tert-Butylbenzene	1.587	1.727	-	-8.8	20	98	0
1,2,4-Trimethylbenzene	1.816	2.01	-	-10.7	20	98	0
sec-Butylbenzene	2.411	2.672	-	-10.8	20	100	0
p-Isopropyltoluene	2.018	2.27	-	-12.5	20	99	0
1,3-Dichlorobenzene	1.181	1.232	-	-4.3	20	96	0
1,4-Dichlorobenzene	1.226	1.235	-	-0.7	20	95	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
Project Name : BEACH CHANNEL DRIVE
Instrument ID : VOA111
Lab File ID : V11201108A01
Sample No : WG1431978-2
Channel :

Lab Number : L2049037
Project Number : 15209
Calibration Date : 11/08/20 13:20
Init. Calib. Date(s) : 10/28/20 10/28/20
Init. Calib. Times : 18:27 21:47

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.191	1.338	-	-12.3	20	99	0
n-Butylbenzene	1.858	2.097	-	-12.9	20	101	0
1,2-Dichlorobenzene	1.099	1.112	-	-1.2	20	93	0
1,2,4,5-Tetramethylbenzene	1.793	1.987	-	-10.8	20	94	0
1,2-Dibromo-3-chloropropan	40	36.267	-	9.3	20	86	0
1,3,5-Trichlorobenzene	0.788	0.836	-	-6.1	20	97	0
Hexachlorobutadiene	0.374	0.381	-	-1.9	20	96	0
1,2,4-Trichlorobenzene	0.722	0.73	-	-1.1	20	91	0
Naphthalene	1.474	1.452	-	1.5	20	83	0
1,2,3-Trichlorobenzene	0.633	0.643	-	-1.6	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Lab File ID : V11201109N01
 Sample No : WG1432485-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/09/20 17:13
 Init. Calib. Date(s) : 10/28/20 10/28/20
 Init. Calib. Times : 18:27 21:47

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	88	0
Dichlorodifluoromethane	0.151	0.126	-	16.6	20	73	0
Chloromethane	0.167	0.182	-	-9	20	98	0
Vinyl chloride	0.212	0.239	-	-12.7	20	100	0
Bromomethane	0.205	0.217	-	-5.9	20	108	0
Chloroethane	0.17	0.214	-	-25.9*	20	105	0
Trichlorofluoromethane	0.285	0.293	-	-2.8	20	96	0
Ethyl ether	0.092	0.101	-	-9.8	20	94	0
1,1-Dichloroethene	0.15	0.167	-	-11.3	20	99	0
Carbon disulfide	0.42	0.442	-	-5.2	20	101	0
Freon-113	0.157	0.164	-	-4.5	20	92	0
Acrolein	0.018	0.021*	-	-16.7	20	95	0
Methylene chloride	0.192	0.209	-	-8.9	20	98	0
Acetone	40	46.228	-	-15.6	20	104	0
trans-1,2-Dichloroethene	0.176	0.2	-	-13.6	20	99	0
Methyl acetate	0.099	0.116	-	-17.2	20	97	0
Methyl tert-butyl ether	0.458	0.484	-	-5.7	20	91	0
tert-Butyl alcohol	0.015	0.018*	-	-20	20	98	0
Diisopropyl ether	0.56	0.655	-	-17	20	100	0
1,1-Dichloroethane	0.319	0.368	-	-15.4	20	101	0
Halothane	0.137	0.159	-	-16.1	20	101	0
Acrylonitrile	0.047	0.053	-	-12.8	20	95	0
Ethyl tert-butyl ether	0.526	0.581	-	-10.5	20	94	0
Vinyl acetate	0.391	0.461	-	-17.9	20	97	0
cis-1,2-Dichloroethene	0.2	0.223	-	-11.5	20	96	0
2,2-Dichloropropane	0.253	0.311	-	-22.9*	20	107	0
Bromochloromethane	0.097	0.104	-	-7.2	20	92	0
Cyclohexane	0.268	0.297	-	-10.8	20	96	0
Chloroform	0.329	0.372	-	-13.1	20	98	0
Ethyl acetate	0.144	0.171	-	-18.8	20	97	0
Carbon tetrachloride	0.259	0.294	-	-13.5	20	100	0
Tetrahydrofuran	40	42.017	-	-5	20	97	0
Dibromofluoromethane	0.255	0.263	-	-3.1	20	90	0
1,1,1-Trichloroethane	0.263	0.316	-	-20.2*	20	100	0
2-Butanone	40	46.751	-	-16.9	20	102	0
1,1-Dichloropropene	0.219	0.265	-	-21*	20	101	0
Benzene	0.694	0.81	-	-16.7	20	100	0
tert-Amyl methyl ether	0.461	0.5	-	-8.5	20	91	0
1,2-Dichloroethane-d4	0.247	0.263	-	-6.5	20	94	0
1,2-Dichloroethane	0.249	0.27	-	-8.4	20	95	0
Methyl cyclohexane	0.28	0.294	-	-5	20	91	0
Trichloroethene	0.177	0.215	-	-21.5*	20	100	0
Dibromomethane	0.108	0.12	-	-11.1	20	91	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Lab File ID : V11201109N01
 Sample No : WG1432485-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/09/20 17:13
 Init. Calib. Date(s) : 10/28/20 10/28/20
 Init. Calib. Times : 18:27 21:47

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.187	0.213	-	-13.9	20	97	0
2-Chloroethyl vinyl ether	0.106	0.097	-	8.5	20	85	0
Bromodichloromethane	0.248	0.29	-	-16.9	20	95	0
1,4-Dioxane	2000	2019.031	-	-1	20	95	0
cis-1,3-Dichloropropene	40	40.521	-	-1.3	20	95	0
Chlorobenzene-d5	1	1	-	0	20	92	0
Toluene-d8	1.288	1.264	-	1.9	20	90	0
Toluene	0.619	0.653	-	-5.5	20	98	0
4-Methyl-2-pentanone	40	36.629	-	8.4	20	91	0
Tetrachloroethene	0.247	0.283	-	-14.6	20	98	0
trans-1,3-Dichloropropene	0.341	0.37	-	-8.5	20	95	0
Ethyl methacrylate	0.27	0.264	-	2.2	20	90	0
1,1,2-Trichloroethane	0.175	0.185	-	-5.7	20	92	0
Chlorodibromomethane	40	38.239	-	4.4	20	91	0
1,3-Dichloropropane	0.357	0.368	-	-3.1	20	92	0
1,2-Dibromoethane	0.205	0.217	-	-5.9	20	91	0
2-Hexanone	0.129	0.136	-	-5.4	20	94	0
Chlorobenzene	0.713	0.755	-	-5.9	20	96	0
Ethylbenzene	1.144	1.255	-	-9.7	20	99	0
1,1,1,2-Tetrachloroethane	40	39.979	-	0.1	20	95	0
p/m Xylene	0.436	0.503	-	-15.4	20	99	0
o Xylene	0.407	0.463	-	-13.8	20	98	0
Styrene	80	82.29	-	-2.9	20	97	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
Bromoform	0.32	0.318	-	0.6	20	90	0
Isopropylbenzene	2.223	2.332	-	-4.9	20	100	0
4-Bromofluorobenzene	0.861	0.827	-	3.9	20	94	0
Bromobenzene	0.6	0.583	-	2.8	20	94	0
n-Propylbenzene	2.716	2.848	-	-4.9	20	101	0
1,4-Dichlorobutane	0.692	0.701	-	-1.3	20	95	0
1,1,2,2-Tetrachloroethane	0.508	0.531	-	-4.5	20	93	0
4-Ethyltoluene	2.168	2.342	-	-8	20	101	0
2-Chlorotoluene	1.863	1.941	-	-4.2	20	101	0
1,3,5-Trimethylbenzene	1.871	1.997	-	-6.7	20	100	0
1,2,3-Trichloropropane	0.415	0.409	-	1.4	20	94	0
trans-1,4-Dichloro-2-buten	0.134	0.153	-	-14.2	20	100	0
4-Chlorotoluene	1.651	1.733	-	-5	20	100	0
tert-Butylbenzene	1.587	1.665	-	-4.9	20	99	0
1,2,4-Trimethylbenzene	1.816	1.961	-	-8	20	100	0
sec-Butylbenzene	2.411	2.6	-	-7.8	20	101	0
p-Isopropyltoluene	2.018	2.205	-	-9.3	20	100	0
1,3-Dichlorobenzene	1.181	1.207	-	-2.2	20	98	0
1,4-Dichlorobenzene	1.226	1.21	-	1.3	20	97	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
Project Name : BEACH CHANNEL DRIVE
Instrument ID : VOA111
Lab File ID : V11201109N01
Sample No : WG1432485-2
Channel :

Lab Number : L2049037
Project Number : 15209
Calibration Date : 11/09/20 17:13
Init. Calib. Date(s) : 10/28/20 10/28/20
Init. Calib. Times : 18:27 21:47

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.191	1.299	-	-9.1	20	100	0
n-Butylbenzene	1.858	2.057	-	-10.7	20	103	0
1,2-Dichlorobenzene	1.099	1.095	-	0.4	20	95	0
1,2,4,5-Tetramethylbenzene	1.793	1.957	-	-9.1	20	97	0
1,2-Dibromo-3-chloropropan	40	36.621	-	8.4	20	90	0
1,3,5-Trichlorobenzene	0.788	0.808	-	-2.5	20	97	0
Hexachlorobutadiene	0.374	0.358	-	4.3	20	94	0
1,2,4-Trichlorobenzene	0.722	0.734	-	-1.7	20	95	0
Naphthalene	1.474	1.534	-	-4.1	20	91	0
1,2,3-Trichlorobenzene	0.633	0.635	-	-0.3	20	92	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA104
 Lab File ID : V04201109N01
 Sample No : WG1432466-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/09/20 18:31
 Init. Calib. Date(s) : 06/02/20 06/02/20
 Init. Calib. Times : 04:50 08:16

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	84	0
Dichlorodifluoromethane	0.219	0.182	-	16.9	20	72	0
Chloromethane	0.26	0.3	-	-15.4	20	103	0
Vinyl chloride	0.287	0.284	-	1	20	80	0
Bromomethane	0.234	0.187	-	20.1*	20	71	0
Chloroethane	0.19	0.17	-	10.5	20	75	0
Trichlorofluoromethane	0.459	0.351	-	23.5*	20	65	0
Ethyl ether	0.118	0.113	-	4.2	20	86	0
1,1-Dichloroethene	0.237	0.236	-	0.4	20	81	0
Carbon disulfide	0.789	0.6	-	24*	20	70	0
Freon-113	0.263	0.222	-	15.6	20	72	0
Acrolein	0.026	0.024*	-	7.7	20	83	0
Methylene chloride	0.294	0.272	-	7.5	20	87	0
Acetone	40	35.878	-	10.3	20	78	0
trans-1,2-Dichloroethene	0.285	0.275	-	3.5	20	82	0
Methyl acetate	0.11	0.104	-	5.5	20	86	0
Methyl tert-butyl ether	0.63	0.582	-	7.6	20	83	0
tert-Butyl alcohol	0.021	0.022*	-	-4.8	20	97	0
Diisopropyl ether	0.835	0.916	-	-9.7	20	98	0
1,1-Dichloroethane	0.512	0.523	-	-2.1	20	90	0
Halothane	0.221	0.217	-	1.8	20	80	0
Acrylonitrile	0.043	0.052	-	-20.9*	20	107	0
Ethyl tert-butyl ether	0.796	0.815	-	-2.4	20	92	0
Vinyl acetate	0.425	0.453	-	-6.6	20	98	0
cis-1,2-Dichloroethene	0.32	0.297	-	7.2	20	83	0
2,2-Dichloropropane	0.431	0.388	-	10	20	76	0
Bromochloromethane	0.157	0.129	-	17.8	20	73	0
Cyclohexane	0.397	0.447	-	-12.6	20	96	0
Chloroform	0.55	0.46	-	16.4	20	77	0
Ethyl acetate	0.17	0.176	-	-3.5	20	100	0
Carbon tetrachloride	40	31.019	-	22.5*	20	69	0
Tetrahydrofuran	0.059	0.062	-	-5.1	20	98	0
Dibromofluoromethane	0.289	0.257	-	11.1	20	74	0
1,1,1-Trichloroethane	0.455	0.401	-	11.9	20	73	0
2-Butanone	0.065	0.073*	-	-12.3	20	95	0
1,1-Dichloropropene	0.352	0.347	-	1.4	20	81	0
Benzene	1.12	1.018	-	9.1	20	83	0
tert-Amyl methyl ether	0.715	0.604	-	15.5	20	76	0
1,2-Dichloroethane-d4	0.239	0.207	-	13.4	20	74	0
1,2-Dichloroethane	0.344	0.3	-	12.8	20	79	0
Methyl cyclohexane	0.443	0.39	-	12	20	76	0
Trichloroethene	0.314	0.284	-	9.6	20	79	0
Dibromomethane	0.17	0.139	-	18.2	20	72	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA104
 Lab File ID : V04201109N01
 Sample No : WG1432466-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/09/20 18:31
 Init. Calib. Date(s) : 06/02/20 06/02/20
 Init. Calib. Times : 04:50 08:16

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.283	0.296	-	-4.6	20	93	0
2-Chloroethyl vinyl ether	0.134	0.145	-	-8.2	20	91	0
Bromodichloromethane	0.425	0.34	-	20	20	74	0
1,4-Dioxane	0.00154	0.00207*	-	-34.4*	20	110	0
cis-1,3-Dichloropropene	0.459	0.399	-	13.1	20	78	0
Chlorobenzene-d5	1	1	-	0	20	81	0
Toluene-d8	1.329	1.357	-	-2.1	20	83	0
Toluene	0.93	0.921	-	1	20	84	0
4-Methyl-2-pentanone	0.092	0.104	-	-13	20	99	0
Tetrachloroethene	0.416	0.419	-	-0.7	20	79	0
trans-1,3-Dichloropropene	0.502	0.439	-	12.5	20	74	0
Ethyl methacrylate	0.347	0.34	-	2	20	84	0
1,1,2-Trichloroethane	0.25	0.233	-	6.8	20	81	0
Chlorodibromomethane	0.44	0.36	-	18.2	20	72	0
1,3-Dichloropropane	0.47	0.447	-	4.9	20	81	0
1,2-Dibromoethane	0.299	0.28	-	6.4	20	79	0
2-Hexanone	0.161	0.179	-	-11.2	20	97	0
Chlorobenzene	1.16	1.019	-	12.2	20	79	0
Ethylbenzene	1.765	1.732	-	1.9	20	82	0
1,1,1,2-Tetrachloroethane	0.441	0.371	-	15.9	20	74	0
p/m Xylene	0.699	0.669	-	4.3	20	81	0
o Xylene	0.699	0.629	-	10	20	78	0
Styrene	1.144	1.046	-	8.6	20	79	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	80	0
Bromoform	0.517	0.412	-	20.3*	20	68	0
Isopropylbenzene	3.392	3.459	-	-2	20	84	0
4-Bromofluorobenzene	0.913	0.903	-	1.1	20	81	0
Bromobenzene	0.968	0.853	-	11.9	20	78	0
n-Propylbenzene	3.992	3.982	-	0.3	20	82	0
1,4-Dichlorobutane	0.82	0.909	-	-10.9	20	101	0
1,1,2,2-Tetrachloroethane	0.717	0.623	-	13.1	20	80	0
4-Ethyltoluene	3.335	3.243	-	2.8	20	80	0
2-Chlorotoluene	2.408	2.288	-	5	20	82	0
1,3,5-Trimethylbenzene	2.878	2.785	-	3.2	20	81	0
1,2,3-Trichloropropane	0.51	0.445	-	12.7	20	77	0
trans-1,4-Dichloro-2-buten	0.147	0.143	-	2.7	20	80	0
4-Chlorotoluene	2.509	2.41	-	3.9	20	85	0
tert-Butylbenzene	2.434	2.426	-	0.3	20	81	0
1,2,4-Trimethylbenzene	2.858	2.791	-	2.3	20	83	0
sec-Butylbenzene	3.565	3.653	-	-2.5	20	82	0
p-Isopropyltoluene	3.097	3.127	-	-1	20	81	0
1,3-Dichlorobenzene	1.747	1.649	-	5.6	20	81	0
1,4-Dichlorobenzene	1.776	1.635	-	7.9	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
Project Name : BEACH CHANNEL DRIVE
Instrument ID : VOA104
Lab File ID : V04201109N01
Sample No : WG1432466-2
Channel :

Lab Number : L2049037
Project Number : 15209
Calibration Date : 11/09/20 18:31
Init. Calib. Date(s) : 06/02/20 06/02/20
Init. Calib. Times : 04:50 08:16

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.842	1.839	-	0.2	20	82	0
n-Butylbenzene	2.757	2.701	-	2	20	79	0
1,2-Dichlorobenzene	1.58	1.485	-	6	20	81	0
1,2,4,5-Tetramethylbenzene	2.73	2.816	-	-3.2	20	88	0
1,2-Dibromo-3-chloropropan	0.105	0.099	-	5.7	20	79	0
1,3,5-Trichlorobenzene	1.216	1.117	-	8.1	20	79	0
Hexachlorobutadiene	0.567	0.483	-	14.8	20	72	0
1,2,4-Trichlorobenzene	1.028	1.005	-	2.2	20	85	0
Naphthalene	1.721	2.008	-	-16.7	20	102	0
1,2,3-Trichlorobenzene	0.904	0.853	-	5.6	20	83	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Lab File ID : V11201110A01
 Sample No : WG1432524-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/10/20 05:56
 Init. Calib. Date(s) : 10/28/20 10/28/20
 Init. Calib. Times : 18:27 21:47

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	85	0
Dichlorodifluoromethane	0.151	0.126	-	16.6	20	71	0
Chloromethane	0.167	0.165	-	1.2	20	86	0
Vinyl chloride	0.212	0.213	-	-0.5	20	86	0
Bromomethane	0.205	0.207	-	-1	20	100	0
Chloroethane	0.17	0.192	-	-12.9	20	92	0
Trichlorofluoromethane	0.285	0.278	-	2.5	20	88	0
Ethyl ether	0.092	0.097	-	-5.4	20	88	0
1,1-Dichloroethene	0.15	0.148	-	1.3	20	86	0
Carbon disulfide	0.42	0.396	-	5.7	20	88	0
Freon-113	0.157	0.163	-	-3.8	20	89	0
Acrolein	0.018	0.021*	-	-16.7	20	93	0
Methylene chloride	0.192	0.198	-	-3.1	20	90	0
Acetone	40	44.207	-	-10.5	20	97	0
trans-1,2-Dichloroethene	0.176	0.177	-	-0.6	20	85	0
Methyl acetate	0.099	0.117	-	-18.2	20	95	0
Methyl tert-butyl ether	0.458	0.471	-	-2.8	20	86	0
tert-Butyl alcohol	0.015	0.018*	-	-20	20	94	0
Diisopropyl ether	0.56	0.605	-	-8	20	89	0
1,1-Dichloroethane	0.319	0.338	-	-6	20	90	0
Halothane	0.137	0.143	-	-4.4	20	88	0
Acrylonitrile	0.047	0.052	-	-10.6	20	90	0
Ethyl tert-butyl ether	0.526	0.561	-	-6.7	20	88	0
Vinyl acetate	0.391	0.449	-	-14.8	20	92	0
cis-1,2-Dichloroethene	0.2	0.203	-	-1.5	20	85	0
2,2-Dichloropropane	0.253	0.281	-	-11.1	20	94	0
Bromochloromethane	0.097	0.103	-	-6.2	20	88	0
Cyclohexane	0.268	0.283	-	-5.6	20	89	0
Chloroform	0.329	0.347	-	-5.5	20	89	0
Ethyl acetate	0.144	0.169	-	-17.4	20	93	0
Carbon tetrachloride	0.259	0.266	-	-2.7	20	88	0
Tetrahydrofuran	40	40.96	-	-2.4	20	92	0
Dibromofluoromethane	0.255	0.26	-	-2	20	87	0
1,1,1-Trichloroethane	0.263	0.286	-	-8.7	20	88	0
2-Butanone	40	45.359	-	-13.4	20	96	0
1,1-Dichloropropene	0.219	0.235	-	-7.3	20	87	0
Benzene	0.694	0.738	-	-6.3	20	88	0
tert-Amyl methyl ether	0.461	0.481	-	-4.3	20	85	0
1,2-Dichloroethane-d4	0.247	0.267	-	-8.1	20	92	0
1,2-Dichloroethane	0.249	0.264	-	-6	20	90	0
Methyl cyclohexane	0.28	0.284	-	-1.4	20	86	0
Trichloroethene	0.177	0.198*	-	-11.9	20	89	0
Dibromomethane	0.108	0.118	-	-9.3	20	87	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA111
 Lab File ID : V11201110A01
 Sample No : WG1432524-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/10/20 05:56
 Init. Calib. Date(s) : 10/28/20 10/28/20
 Init. Calib. Times : 18:27 21:47

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.187	0.198	-	-5.9	20	88	0
2-Chloroethyl vinyl ether	0.106	0.081	-	23.6*	20	69	0
Bromodichloromethane	0.248	0.278	-	-12.1	20	89	0
1,4-Dioxane	2000	2260.507	-	-13	20	104	0
cis-1,3-Dichloropropene	40	38.256	-	4.4	20	87	0
Chlorobenzene-d5	1	1	-	0	20	89	0
Toluene-d8	1.288	1.272	-	1.2	20	88	0
Toluene	0.619	0.595	-	3.9	20	87	0
4-Methyl-2-pentanone	40	35.356	-	11.6	20	85	0
Tetrachloroethene	0.247	0.256	-	-3.6	20	86	0
trans-1,3-Dichloropropene	0.341	0.359	-	-5.3	20	89	0
Ethyl methacrylate	0.27	0.253	-	6.3	20	83	0
1,1,2-Trichloroethane	0.175	0.183	-	-4.6	20	88	0
Chlorodibromomethane	40	36.529	-	8.7	20	84	0
1,3-Dichloropropane	0.357	0.361	-	-1.1	20	88	0
1,2-Dibromoethane	0.205	0.213	-	-3.9	20	86	0
2-Hexanone	0.129	0.131	-	-1.6	20	88	0
Chlorobenzene	0.713	0.697	-	2.2	20	86	0
Ethylbenzene	1.144	1.134	-	0.9	20	87	0
1,1,1,2-Tetrachloroethane	40	37.653	-	5.9	20	87	0
p/m Xylene	0.436	0.451	-	-3.4	20	86	0
o Xylene	0.407	0.421	-	-3.4	20	86	0
Styrene	80	75.808	-	5.2	20	86	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Bromoform	0.32	0.312	-	2.5	20	86	0
Isopropylbenzene	2.223	2.054	-	7.6	20	86	0
4-Bromofluorobenzene	0.861	0.805	-	6.5	20	89	0
Bromobenzene	0.6	0.545	-	9.2	20	85	0
n-Propylbenzene	2.716	2.553	-	6	20	88	0
1,4-Dichlorobutane	0.692	0.685	-	1	20	91	0
1,1,2,2-Tetrachloroethane	0.508	0.532	-	-4.7	20	91	0
4-Ethyltoluene	2.168	2.085	-	3.8	20	87	0
2-Chlorotoluene	1.863	1.761	-	5.5	20	89	0
1,3,5-Trimethylbenzene	1.871	1.788	-	4.4	20	87	0
1,2,3-Trichloropropane	0.415	0.405	-	2.4	20	90	0
trans-1,4-Dichloro-2-buten	0.134	0.149	-	-11.2	20	95	0
4-Chlorotoluene	1.651	1.566	-	5.1	20	88	0
tert-Butylbenzene	1.587	1.497	-	5.7	20	86	0
1,2,4-Trimethylbenzene	1.816	1.773	-	2.4	20	88	0
sec-Butylbenzene	2.411	2.319	-	3.8	20	87	0
p-Isopropyltoluene	2.018	1.95	-	3.4	20	86	0
1,3-Dichlorobenzene	1.181	1.125	-	4.7	20	89	0
1,4-Dichlorobenzene	1.226	1.132	-	7.7	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
Project Name : BEACH CHANNEL DRIVE
Instrument ID : VOA111
Lab File ID : V11201110A01
Sample No : WG1432524-2
Channel :

Lab Number : L2049037
Project Number : 15209
Calibration Date : 11/10/20 05:56
Init. Calib. Date(s) : 10/28/20 10/28/20
Init. Calib. Times : 18:27 21:47

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.191	1.153	-	3.2	20	86	0
n-Butylbenzene	1.858	1.829	-	1.6	20	89	0
1,2-Dichlorobenzene	1.099	1.023	-	6.9	20	86	0
1,2,4,5-Tetramethylbenzene	1.793	1.761	-	1.8	20	84	0
1,2-Dibromo-3-chloropropan	40	35.871	-	10.3	20	86	0
1,3,5-Trichlorobenzene	0.788	0.754	-	4.3	20	88	0
Hexachlorobutadiene	0.374	0.338	-	9.6	20	86	0
1,2,4-Trichlorobenzene	0.722	0.669	-	7.3	20	84	0
Naphthalene	1.474	1.413	-	4.1	20	82	0
1,2,3-Trichlorobenzene	0.633	0.596	-	5.8	20	83	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA126
 Lab File ID : V26201111A01
 Sample No : WG1433193-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/11/20 10:51
 Init. Calib. Date(s) : 10/12/20 10/13/20
 Init. Calib. Times : 22:41 03:58

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	100	0
Dichlorodifluoromethane	0.193	0.135	-	30.1*	20	66	0
Chlorodifluoromethane	0.169	0.112	-	33.7*	20	68	0
Chloromethane	0.181	0.134	-	26*	20	83	0
Vinyl chloride	0.238	0.201	-	15.5	20	84	0
Bromomethane	0.132	0.1	-	24.2*	20	81	0
Chloroethane	0.121	0.109	-	9.9	20	90	0
Trichlorofluoromethane	0.308	0.274	-	11	20	86	-.01
Ethyl ether	0.098	0.088	-	10.2	20	90	0
1,1-Dichloroethene	0.185	0.162	-	12.4	20	88	0
Carbon disulfide	40	35.025	-	12.4	20	86	-.01
Freon-113	0.178	0.166	-	6.7	20	89	0
Iodomethane	0.166	0.178	-	-7.2	20	101	0
Acrolein	0.016	0.014*	-	12.5	20	87	-.02
Allyl chloride	0.116	0.101	-	12.9	20	84	-.01
Methylene chloride	0.222	0.191	-	14	20	92	-.01
Acetone	40	40.72	-	-1.8	20	108	0
trans-1,2-Dichloroethene	0.219	0.19	-	13.2	20	87	0
Methyl acetate	0.078	0.071*	-	9	20	92	0
Hexane	0.244	0.233	-	4.5	20	88	0
Methyl tert-butyl ether	0.496	0.431	-	13.1	20	87	0
tert-Butyl alcohol	0.015	0.013*	-	13.3	20	87	-.01
Diisopropyl ether	0.482	0.44	-	8.7	20	92	0
1,1-Dichloroethane	0.336	0.293	-	12.8	20	89	0
Halothane	0.171	0.147	-	14	20	84	-.01
Acrylonitrile	40	36.494	-	8.8	20	92	0
Ethyl tert-butyl ether	0.506	0.444	-	12.3	20	88	0
Vinyl acetate	0.25	0.23	-	8	20	91	0
cis-1,2-Dichloroethene	0.246	0.209	-	15	20	86	0
2,2-Dichloropropane	0.3	0.274	-	8.7	20	89	-.01
Bromochloromethane	0.109	0.092	-	15.6	20	86	0
Cyclohexane	0.265	0.259	-	2.3	20	93	0
Chloroform	0.397	0.335	-	15.6	20	85	-.01
Ethyl acetate	0.109	0.102	-	6.4	20	93	0
Carbon tetrachloride	0.312	0.27	-	13.5	20	82	0
Tetrahydrofuran	40	35.132	-	12.2	20	87	0
Dibromofluoromethane	0.262	0.244	-	6.9	20	94	0
1,1,1-Trichloroethane	0.344	0.296	-	14	20	85	-.01
2-Butanone	40	38.464	-	3.8	20	99	0
1,1-Dichloropropene	0.283	0.26	-	8.1	20	90	-.01
Heptane	0.199	0.186	-	6.5	20	89	-.01
Benzene	0.859	0.75	-	12.7	20	89	0
tert-Amyl methyl ether	0.513	0.441	-	14	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA126
 Lab File ID : V26201111A01
 Sample No : WG1433193-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/11/20 10:51
 Init. Calib. Date(s) : 10/12/20 10/13/20
 Init. Calib. Times : 22:41 03:58

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloroethane-d4	0.225	0.223	-	0.9	20	100	0
1,2-Dichloroethane	0.253	0.213	-	15.8	20	87	0
Methyl cyclohexane	0.329	0.315	-	4.3	20	90	-.01
Trichloroethene	0.235	0.202	-	14	20	85	-.01
Dibromomethane	0.126	0.107	-	15.1	20	86	0
1,2-Dichloropropane	0.197	0.173	-	12.2	20	89	-.01
2-Chloroethyl vinyl ether	0.086	0.079	-	8.1	20	95	0
Bromodichloromethane	0.298	0.252	-	15.4	20	83	0
Methyl methacrylate	0.116	0.103	-	11.2	20	86	-.01
1,4-Dioxane	0.00187	0.00172*	-	8	20	83	-.01
cis-1,3-Dichloropropene	0.329	0.298	-	9.4	20	87	0
Chlorobenzene-d5	1	1	-	0	20	94	0
Octane	0.275	0.272	-	1.1	20	90	0
Toluene-d8	1.27	1.304	-	-2.7	20	97	0
Toluene	0.725	0.671	-	7.4	20	87	0
4-Methyl-2-pentanone	0.066	0.066*	-	0	20	92	0
Tetrachloroethene	0.347	0.309	-	11	20	85	0
2-Nitropropane	0.04	0.035	-	12.5	20	84	0
trans-1,3-Dichloropropene	0.363	0.351	-	3.3	20	88	-.01
Methyl isothiocyanate	0.134	0.118	-	11.9	20	79	0
Ethyl methacrylate	0.281	0.266	-	5.3	20	85	0
1,1,2-Trichloroethane	0.187	0.173	-	7.5	20	86	0
Chlorodibromomethane	0.273	0.245	-	10.3	20	79	0
1,3-Dichloropropane	0.372	0.346	-	7	20	87	0
1,2-Dibromoethane	0.22	0.2	-	9.1	20	84	0
n-Butyl Acetate	0.27	0.276	-	-2.2	20	93	0
2-Hexanone	0.11	0.107	-	2.7	20	91	0
Nonane	0.401	0.398	-	0.7	20	92	-.01
Chlorobenzene	0.837	0.748	-	10.6	20	85	0
Ethylbenzene	1.391	1.293	-	7	20	87	0
1,1,1,2-Tetrachloroethane	0.293	0.267	-	8.9	20	81	0
p/m Xylene	0.555	0.515	-	7.2	20	87	0
o Xylene	0.517	0.475	-	8.1	20	85	0
Styrene	0.849	0.801	-	5.7	20	86	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	88	0
Bromoform	0.329	0.291	-	11.6	20	76	0
Isopropylbenzene	2.652	2.521	-	4.9	20	85	0
4-Bromofluorobenzene	0.889	0.89	-	-0.1	20	91	0
Bromobenzene	0.67	0.62	-	7.5	20	83	0
Decane	0.877	0.913	-	-4.1	20	92	0
n-Propylbenzene	3.121	3.04	-	2.6	20	87	0
1,4-Dichlorobutane	0.533	0.518	-	2.8	20	88	0
1,1,2,2-Tetrachloroethane	0.505	0.492	-	2.6	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Instrument ID : VOA126
 Lab File ID : V26201111A01
 Sample No : WG1433193-2
 Channel :

Lab Number : L2049037
 Project Number : 15209
 Calibration Date : 11/11/20 10:51
 Init. Calib. Date(s) : 10/12/20 10/13/20
 Init. Calib. Times : 22:41 03:58

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-Ethyltoluene	2.576	2.499	-	3	20	86	0
2-Chlorotoluene	2.107	1.959	-	7	20	86	0
1,3,5-Trimethylbenzene	2.266	2.122	-	6.4	20	84	0
1,2,3-Trichloropropane	0.371	0.353	-	4.9	20	86	0
trans-1,4-Dichloro-2-buten	0.118	0.12	-	-1.7	20	90	0
4-Chlorotoluene	1.898	1.807	-	4.8	20	86	0
tert-Butylbenzene	1.938	1.83	-	5.6	20	84	0
1,2,4-Trimethylbenzene	2.208	2.075	-	6	20	84	0
Limonene	0.704	0.752	-	-6.8	20	90	0
sec-Butylbenzene	2.871	2.783	-	3.1	20	85	0
p-Isopropyltoluene	2.498	2.403	-	3.8	20	85	0
1,3-Dichlorobenzene	1.333	1.256	-	5.8	20	85	0
1,4-Dichlorobenzene	1.319	1.24	-	6	20	85	0
trans-Decahydronaphthalene	0.695	0.685	-	1.4	20	87	0
Undecane	0.79	0.943	-	-19.4	20	103	0
p-Diethylbenzene	1.532	1.465	-	4.4	20	86	0
n-Butylbenzene	2.772	2.682	-	3.2	20	88	0
Hexachloroethane	0.47	0.455	-	3.2	20	81	0
1,2-Dichlorobenzene	1.214	1.125	-	7.3	20	83	0
cis-Decahydronaphthalene	0.534	0.532	-	0.4	20	86	0
1,2,4,5-Tetramethylbenzene	2.199	2.176	-	1	20	85	0
1,2-Dibromo-3-chloropropan	0.086	0.077	-	10.5	20	76	0
1,3,5-Trichlorobenzene	0.918	0.897	-	2.3	20	87	0
Nitrobenzene	40	32.488	-	18.8	20	78	0
Hexachlorobutadiene	0.462	0.435	-	5.8	20	82	0
1,2,4-Trichlorobenzene	0.834	0.817	-	2	20	87	0
Naphthalene	1.599	1.552	-	2.9	20	83	0
1,2,3-Trichlorobenzene	0.75	0.709	-	5.5	20	83	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-2
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	87	0.00
2 TP	Dichlorodifluoromethane	0.151	0.133	11.9	76	0.00
3 TP	Chloromethane	0.167	0.180	-7.8	96	0.00
4 TC	Vinyl chloride	0.212	0.237	-11.8	99	0.00
5 TP	Bromomethane	0.205	0.222	-8.3	109	0.00
6 TP	Chloroethane	0.170	0.211	-24.1#	103	0.00
7 TP	Trichlorofluoromethane	0.285	0.299	-4.9	97	0.00
8 TP	Ethyl ether	0.092	0.097	-5.4	89	0.00
10 TP	1,1-Dichloroethene	0.150	0.168	-12.0	99	0.00
11 TP	Carbon disulfide	0.420	0.447	-6.4	102	0.00
12 TP	Freon-113	0.157	0.170	-8.3	95	0.00
14 TP	Acrolein	0.018	0.020#	-11.1	89	0.00
15 TP	Methylene chloride	0.192	0.202	-5.2	94	0.00
17 TP	Acetone	* 40.000	41.505	-3.8	93	0.00
18 TP	trans-1,2-Dichloroethene	0.176	0.201	-14.2	99	0.00
19 TP	Methyl acetate	0.099	0.109	-10.1	91	0.00
20 TP	Methyl tert-butyl ether	0.458	0.466	-1.7	87	0.00
21 TP	tert-Butyl alcohol	0.015	0.017#	-13.3	90	0.00
22 TP	Diisopropyl ether	0.560	0.619	-10.5	93	0.00
23 TC	1,1-Dichloroethane	0.319	0.365	-14.4	100	0.00
24 TP	Halothane	0.137	0.161	-17.5	101	0.00
25 TP	Acrylonitrile	0.047	0.049#	-4.3	86	0.00
26 TP	Ethyl tert-butyl ether	0.526	0.563	-7.0	90	0.00
27 TP	Vinyl acetate	0.391	0.436	-11.5	91	0.00
28 TP	cis-1,2-Dichloroethene	0.200	0.224	-12.0	95	0.00
29 TP	2,2-Dichloropropane	0.253	0.313	-23.7#	107	0.00
30 TP	Bromochloromethane	0.097	0.104	-7.2	90	0.00
31 TP	Cyclohexane	0.268	0.290	-8.2	93	0.00
32 TC	Chloroform	0.329	0.373	-13.4	98	0.00
33 TP	Ethyl acetate	0.144	0.159	-10.4	89	0.00
34 TP	Carbon tetrachloride	0.259	0.298	-15.1	101	0.00
35 TP	Tetrahydrofuran	* 40.000	39.295	1.8	90	0.00
36 S	Dibromofluoromethane	0.255	0.259	-1.6	88	0.00
37 TP	1,1,1-Trichloroethane	0.263	0.326	-24.0#	103	0.00
39 TP	2-Butanone	* 40.000	42.238	-5.6	91	0.00
40 TP	1,1-Dichloropropene	0.219	0.264	-20.5#	99	0.00
41 TP	Benzene	0.694	0.804	-15.9	98	0.00
42 TP	tert-Amyl methyl ether	0.461	0.483	-4.8	87	0.00
43 S	1,2-Dichloroethane-d4	0.247	0.251	-1.6	89	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-2
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	0.249	0.263	-5.6	91	0.00
47 TP	Methyl cyclohexane	0.280	0.296	-5.7	91	0.00
48 TP	Trichloroethene	0.177	0.218	-23.2#	100	0.00
50 TP	Dibromomethane	0.108	0.117	-8.3	88	0.00
51 TC	1,2-Dichloropropane	0.187	0.208	-11.2	94	0.00
53 TP	2-Chloroethyl vinyl ether	0.106	0.088	17.0	76	0.00
54 TP	Bromodichloromethane	0.248	0.286	-15.3	93	0.00
57 TP	1,4-Dioxane	*2000.000	1897.270	5.1	88	0.00
58 TP	cis-1,3-Dichloropropene	* 40.000	39.284	1.8	92	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
60 S	Toluene-d8	1.288	1.286	0.2	87	0.00
61 TC	Toluene	0.619	0.683	-10.3	98	0.00
62 TP	4-Methyl-2-pentanone	* 40.000	36.081	9.8	86	0.00
63 TP	Tetrachloroethene	0.247	0.300	-21.5#	99	0.00
65 TP	trans-1,3-Dichloropropene	0.341	0.375	-10.0	91	0.00
67 TP	Ethyl methacrylate	0.270	0.259	4.1	84	0.00
68 TP	1,1,2-Trichloroethane	0.175	0.187	-6.9	89	0.00
69 TP	Chlorodibromomethane	* 40.000	39.086	2.3	89	0.00
70 TP	1,3-Dichloropropane	0.357	0.369	-3.4	88	0.00
71 TP	1,2-Dibromoethane	0.205	0.221	-7.8	88	0.00
72 TP	2-Hexanone	0.129	0.128	0.8	85	0.00
73 TP	Chlorobenzene	0.713	0.778	-9.1	94	0.00
74 TC	Ethylbenzene	1.144	1.306	-14.2	98	0.00
75 TP	1,1,1,2-Tetrachloroethane	* 40.000	41.811	-4.5	95	0.00
76 TP	p/m Xylene	0.436	0.523	-20.0	98	0.00
77 TP	o Xylene	0.407	0.481	-18.2	96	0.00
78 TP	Styrene	* 80.000	84.229	-5.3	94	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
80 TP	Bromoform	0.320	0.325	-1.6	89	0.00
82 TP	Isopropylbenzene	2.223	2.389	-7.5	99	0.00
83 S	4-Bromofluorobenzene	0.861	0.801	7.0	88	0.00
84 TP	Bromobenzene	0.600	0.595	0.8	92	0.00
85 TP	n-Propylbenzene	2.716	2.942	-8.3	101	0.00
86 TP	1,4-Dichlorobutane	0.692	0.682	1.4	89	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.508	0.528	-3.9	89	0.00
88 TP	4-Ethyltoluene	2.168	2.399	-10.7	99	0.00
89 TP	2-Chlorotoluene	1.863	1.981	-6.3	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-2
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	1.871	2.047	-9.4	99	0.00
91 TP	1,2,3-Trichloropropane	0.415	0.408	1.7	90	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.134	0.147	-9.7	93	0.00
93 TP	4-Chlorotoluene	1.651	1.767	-7.0	98	0.00
94 TP	tert-Butylbenzene	1.587	1.727	-8.8	98	0.00
97 TP	1,2,4-Trimethylbenzene	1.816	2.010	-10.7	98	0.00
98 TP	sec-Butylbenzene	2.411	2.672	-10.8	100	0.00
99 TP	p-Isopropyltoluene	2.018	2.270	-12.5	99	0.00
100 TP	1,3-Dichlorobenzene	1.181	1.232	-4.3	96	0.00
101 TP	1,4-Dichlorobenzene	1.226	1.235	-0.7	95	0.00
102 TP	p-Diethylbenzene	1.191	1.338	-12.3	99	0.00
103 TP	n-Butylbenzene	1.858	2.097	-12.9	101	0.00
104 TP	1,2-Dichlorobenzene	1.099	1.112	-1.2	93	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.793	1.987	-10.8	94	0.00
106 TP	1,2-Dibromo-3-chloropropane *	40.000	36.267	9.3	86	0.00
107 TP	1,3,5-Trichlorobenzene	0.788	0.836	-6.1	97	0.00
108 TP	Hexachlorobutadiene	0.374	0.381	-1.9	96	0.00
109 TP	1,2,4-Trichlorobenzene	0.722	0.730	-1.1	91	0.00
110 TP	Naphthalene	1.474	1.452	1.5	83	0.00
111 TP	1,2,3-Trichlorobenzene	0.633	0.643	-1.6	89	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\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-2
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	95477	20.000	ug/L	0.00
Standard Area 1 = 95477			Recovery =	100.00%		
59) Chlorobenzene-d5	8.900	117	72006	20.000	ug/L	0.00
Standard Area 1 = 72006			Recovery =	100.00%		
79) 1,4-Dichlorobenzene-d4	11.731	152	38851	20.000	ug/L	0.00
Standard Area 1 = 38851			Recovery =	100.00%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	24726	20.322	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.61%		
43) 1,2-Dichloroethane-d4	5.162	65	23931	20.274	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.37%		
60) Toluene-d8	7.091	98	92622	19.979	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.89%		
83) 4-Bromofluorobenzene	10.452	95	31130	18.623	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.12%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	25437	35.277	ug/L	98
3) Chloromethane	1.654	50	34456	43.146	ug/L	98
4) Vinyl chloride	1.696	62	45313	44.778	ug/L	98
5) Bromomethane	1.953	94	42401	43.250	ug/L	99
6) Chloroethane	2.053	64	40370	49.668	ug/L	96
7) Trichlorofluoromethane	2.173	101	57072	41.992	ug/L	100
8) Ethyl ether	2.430	74	18524	42.318	ug/L	72
10) 1,1-Dichloroethene	2.598	96	32111	44.755	ug/L	83
11) Carbon disulfide	2.624	76	85441	42.656	ug/L	100
12) Freon-113	2.635	101	32388	43.212	ug/L	99
14) Acrolein	2.876	56	3727	42.659	ug/L	99
15) Methylene chloride	3.085	84	38547	42.149	ug/L	70
17) Acetone	3.122	43	8057	41.505	ug/L	95
18) trans-1,2-Dichloroethene	3.227	96	38431	45.868	ug/L	84
19) Methyl acetate	3.232	43	20853	44.023	ug/L #	86
20) Methyl tert-butyl ether	3.316	73	89033	40.750	ug/L	88
21) tert-Butyl alcohol	3.400	59	16067	219.657	ug/L	98
22) Diisopropyl ether	3.652	45	118136	44.213	ug/L #	90
23) 1,1-Dichloroethane	3.762	63	69757	45.841	ug/L	97
24) Halothane	3.814	117	30739	47.095	ug/L	99
25) Acrylonitrile	3.799	53	9353	41.906	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-2
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	107517	42.836	ug/L	95
27) Vinyl acetate	3.982	43	83303	44.606	ug/L #	92
28) cis-1,2-Dichloroethene	4.244	96	42719	44.698	ug/L #	82
29) 2,2-Dichloropropane	4.339	77	59788	49.453	ug/L	90
30) Bromochloromethane	4.422	128	19842	42.779	ug/L #	68
31) Cyclohexane	4.433	56	55442	43.355	ug/L	72
32) Chloroform	4.496	83	71304	45.384	ug/L	96
33) Ethyl acetate	4.606	43	30287	44.111	ug/L #	95
34) Carbon tetrachloride	4.622	117	56956	46.028	ug/L	99
35) Tetrahydrofuran	4.637	42	10398	39.295	ug/L #	84
37) 1,1,1-Trichloroethane	4.685	97	62327	49.569	ug/L	97
39) 2-Butanone	4.774	43	13482	42.238	ug/L #	76
40) 1,1-Dichloropropene	4.800	75	50319	48.169	ug/L	99
41) Benzene	5.036	78	153459	46.303	ug/L	91
42) tert-Amyl methyl ether	5.151	73	92231	41.931	ug/L	94
44) 1,2-Dichloroethane	5.230	62	50267	42.240	ug/L	98
47) Methyl cyclohexane	5.602	83	56456	42.285	ug/L #	73
48) Trichloroethene	5.613	95	41584	49.272	ug/L	99
50) Dibromomethane	6.032	93	22380	43.524	ug/L	99
51) 1,2-Dichloropropane	6.132	63	39712	44.590	ug/L	96
53) 2-Chloroethyl vinyl ether	6.829	63	16719	33.141	ug/L #	81
54) Bromodichloromethane	6.210	83	54585	46.185	ug/L	99
57) 1,4-Dioxane	6.415	88	15398	1897.270	ug/L #	75
58) cis-1,3-Dichloropropene	6.887	75	61623	39.284	ug/L	89
61) Toluene	7.149	92	98371	44.117	ug/L	96
62) 4-Methyl-2-pentanone	7.579	58	10731	36.081	ug/L #	84
63) Tetrachloroethene	7.584	166	43199	48.554	ug/L	98
65) trans-1,3-Dichloropropene	7.626	75	54051	44.050	ug/L	83
67) Ethyl methacrylate	7.830	69	37291	38.316	ug/L	96
68) 1,1,2-Trichloroethane	7.804	83	26996	42.949	ug/L	98
69) Chlorodibromomethane	8.009	129	40129	39.086	ug/L	99
70) 1,3-Dichloropropane	8.119	76	53152	41.331	ug/L	100
71) 1,2-Dibromoethane	8.266	107	31809	43.191	ug/L	98
72) 2-Hexanone	8.575	43	18437	39.847	ug/L	97
73) Chlorobenzene	8.916	112	111997	43.606	ug/L	96
74) Ethylbenzene	8.968	91	188115	45.682	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.010	131	42372	41.811	ug/L	100
76) p/m Xylene	9.157	106	150602	95.933	ug/L	98
77) o Xylene	9.697	106	138435	94.429	ug/L	96
78) Styrene	9.765	104	236653	84.229	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-2
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.781	173	25284	40.665	ug/L	100
82)	Isopropylbenzene	10.111	105	185616	42.989	ug/L	100
84)	Bromobenzene	10.562	156	46201	39.647	ug/L	100
85)	n-Propylbenzene	10.630	91	228611	43.335	ug/L	100
86)	1,4-Dichlorobutane	10.636	55	52969	39.383	ug/L	95
87)	1,1,2,2-Tetrachloroethane	10.725	83	41041	41.573	ug/L	99
88)	4-Ethyltoluene	10.767	105	186389	44.260	ug/L	99
89)	2-Chlorotoluene	10.798	91	153963	42.536	ug/L	99
90)	1,3,5-Trimethylbenzene	10.877	105	159037	43.767	ug/L	99
91)	1,2,3-Trichloropropane	10.861	75	31675	39.277	ug/L	99
92)	trans-1,4-Dichloro-2-b...	10.929	53	11437	43.971	ug/L	84
93)	4-Chlorotoluene	10.997	91	137338	42.830	ug/L	98
94)	tert-Butylbenzene	11.233	119	134182	43.533	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	156194	44.285	ug/L	99
98)	sec-Butylbenzene	11.432	105	207593	44.327	ug/L	99
99)	p-Isopropyltoluene	11.600	119	176371	44.999	ug/L	98
100)	1,3-Dichlorobenzene	11.647	146	95758	41.731	ug/L	99
101)	1,4-Dichlorobenzene	11.747	146	95978	40.301	ug/L	98
102)	p-Diethylbenzene	11.993	119	103984	44.944	ug/L	99
103)	n-Butylbenzene	12.051	91	162966	45.143	ug/L	100
104)	1,2-Dichlorobenzene	12.182	146	86406	40.490	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.811	119	154364	44.308	ug/L	99
106)	1,2-Dibromo-3-chloropr...	12.990	155	6034	36.267	ug/L	96
107)	1,3,5-Trichlorobenzene	13.026	180	64948	42.405	ug/L	99
108)	Hexachlorobutadiene	13.624	225	29603	40.746	ug/L	99
109)	1,2,4-Trichlorobenzene	13.635	180	56725	40.420	ug/L	99
110)	Naphthalene	13.928	128	112847	39.416	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	49949	40.603	ug/L	99

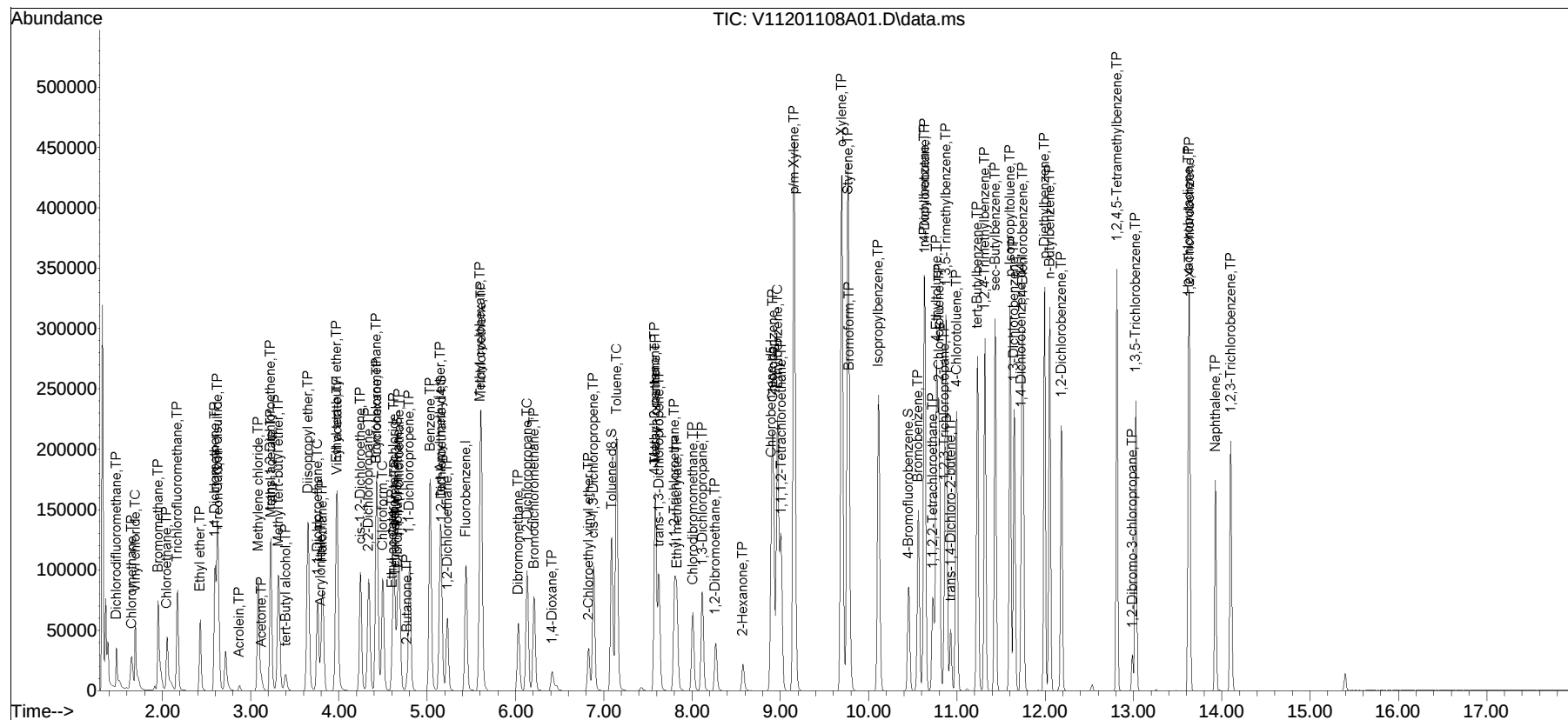
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-2
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8A\V11201108A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\2Q	Method	: V111_201028P_8260.m
Data File	: V11201108A01.D	Operator	: VOA111:AD
Date Inj'd	: 11/8/2020 1:20 pm	Instrument	: VOA111
Sample	: WG1431978-2	Quant Date	: 11/8/2020 1:54 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-2
 Misc : WG1432485,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	88	0.00
2 TP	Dichlorodifluoromethane	0.151	0.126	16.6	73	0.00
3 TP	Chloromethane	0.167	0.182	-9.0	98	0.00
4 TC	Vinyl chloride	0.212	0.239	-12.7	100	0.00
5 TP	Bromomethane	0.205	0.217	-5.9	108	0.00
6 TP	Chloroethane	0.170	0.214	-25.9#	105	0.00
7 TP	Trichlorofluoromethane	0.285	0.293	-2.8	96	0.00
8 TP	Ethyl ether	0.092	0.101	-9.8	94	0.00
10 TP	1,1-Dichloroethene	0.150	0.167	-11.3	99	0.00
11 TP	Carbon disulfide	0.420	0.442	-5.2	101	0.00
12 TP	Freon-113	0.157	0.164	-4.5	92	0.00
14 TP	Acrolein	0.018	0.021#	-16.7	95	0.00
15 TP	Methylene chloride	0.192	0.209	-8.9	98	0.00
17 TP	Acetone	* 40.000	46.228	-15.6	104	0.00
18 TP	trans-1,2-Dichloroethene	0.176	0.200	-13.6	99	0.00
19 TP	Methyl acetate	0.099	0.116	-17.2	97	0.00
20 TP	Methyl tert-butyl ether	0.458	0.484	-5.7	91	0.00
21 TP	tert-Butyl alcohol	0.015	0.018#	-20.0	98	0.00
22 TP	Diisopropyl ether	0.560	0.655	-17.0	100	0.00
23 TC	1,1-Dichloroethane	0.319	0.368	-15.4	101	0.00
24 TP	Halothane	0.137	0.159	-16.1	101	0.00
25 TP	Acrylonitrile	0.047	0.053	-12.8	95	0.00
26 TP	Ethyl tert-butyl ether	0.526	0.581	-10.5	94	0.00
27 TP	Vinyl acetate	0.391	0.461	-17.9	97	0.00
28 TP	cis-1,2-Dichloroethene	0.200	0.223	-11.5	96	0.00
29 TP	2,2-Dichloropropane	0.253	0.311	-22.9#	107	0.00
30 TP	Bromochloromethane	0.097	0.104	-7.2	92	0.00
31 TP	Cyclohexane	0.268	0.297	-10.8	96	0.00
32 TC	Chloroform	0.329	0.372	-13.1	98	0.00
33 TP	Ethyl acetate	0.144	0.171	-18.8	97	0.00
34 TP	Carbon tetrachloride	0.259	0.294	-13.5	100	0.00
35 TP	Tetrahydrofuran	* 40.000	42.017	-5.0	97	0.00
36 S	Dibromofluoromethane	0.255	0.263	-3.1	90	0.00
37 TP	1,1,1-Trichloroethane	0.263	0.316	-20.2#	100	0.00
39 TP	2-Butanone	* 40.000	46.751	-16.9	102	0.00
40 TP	1,1-Dichloropropene	0.219	0.265	-21.0#	101	0.00
41 TP	Benzene	0.694	0.810	-16.7	100	0.00
42 TP	tert-Amyl methyl ether	0.461	0.500	-8.5	91	0.00
43 S	1,2-Dichloroethane-d4	0.247	0.263	-6.5	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-2
 Misc : WG1432485,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	0.249	0.270	-8.4	95	0.00
47 TP	Methyl cyclohexane	0.280	0.294	-5.0	91	0.00
48 TP	Trichloroethene	0.177	0.215	-21.5#	100	0.00
50 TP	Dibromomethane	0.108	0.120	-11.1	91	0.00
51 TC	1,2-Dichloropropane	0.187	0.213	-13.9	97	0.00
53 TP	2-Chloroethyl vinyl ether	0.106	0.097	8.5	85	0.00
54 TP	Bromodichloromethane	0.248	0.290	-16.9	95	0.00
57 TP	1,4-Dioxane	*2000.000	2019.031	-1.0	95	0.00
58 TP	cis-1,3-Dichloropropene	* 40.000	40.521	-1.3	95	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
60 S	Toluene-d8	1.288	1.264	1.9	90	0.00
61 TC	Toluene	0.619	0.653	-5.5	98	0.00
62 TP	4-Methyl-2-pentanone	* 40.000	36.629	8.4	91	0.00
63 TP	Tetrachloroethene	0.247	0.283	-14.6	98	0.00
65 TP	trans-1,3-Dichloropropene	0.341	0.370	-8.5	95	0.00
67 TP	Ethyl methacrylate	0.270	0.264	2.2	90	0.00
68 TP	1,1,2-Trichloroethane	0.175	0.185	-5.7	92	0.00
69 TP	Chlorodibromomethane	* 40.000	38.239	4.4	91	0.00
70 TP	1,3-Dichloropropane	0.357	0.368	-3.1	92	0.00
71 TP	1,2-Dibromoethane	0.205	0.217	-5.9	91	0.00
72 TP	2-Hexanone	0.129	0.136	-5.4	94	0.00
73 TP	Chlorobenzene	0.713	0.755	-5.9	96	0.00
74 TC	Ethylbenzene	1.144	1.255	-9.7	99	0.00
75 TP	1,1,1,2-Tetrachloroethane	* 40.000	39.979	0.1	95	0.00
76 TP	p/m Xylene	0.436	0.503	-15.4	99	0.00
77 TP	o Xylene	0.407	0.463	-13.8	98	0.00
78 TP	Styrene	* 80.000	82.290	-2.9	97	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
80 TP	Bromoform	0.320	0.318	0.6	90	0.00
82 TP	Isopropylbenzene	2.223	2.332	-4.9	100	0.00
83 S	4-Bromofluorobenzene	0.861	0.827	3.9	94	0.00
84 TP	Bromobenzene	0.600	0.583	2.8	94	0.00
85 TP	n-Propylbenzene	2.716	2.848	-4.9	101	0.00
86 TP	1,4-Dichlorobutane	0.692	0.701	-1.3	95	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.508	0.531	-4.5	93	0.00
88 TP	4-Ethyltoluene	2.168	2.342	-8.0	101	0.00
89 TP	2-Chlorotoluene	1.863	1.941	-4.2	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-2
 Misc : WG1432485,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	1.871	1.997	-6.7	100	0.00
91 TP	1,2,3-Trichloropropane	0.415	0.409	1.4	94	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.134	0.153	-14.2	100	0.00
93 TP	4-Chlorotoluene	1.651	1.733	-5.0	100	0.00
94 TP	tert-Butylbenzene	1.587	1.665	-4.9	99	0.00
97 TP	1,2,4-Trimethylbenzene	1.816	1.961	-8.0	100	0.00
98 TP	sec-Butylbenzene	2.411	2.600	-7.8	101	0.00
99 TP	p-Isopropyltoluene	2.018	2.205	-9.3	100	0.00
100 TP	1,3-Dichlorobenzene	1.181	1.207	-2.2	98	0.00
101 TP	1,4-Dichlorobenzene	1.226	1.210	1.3	97	0.00
102 TP	p-Diethylbenzene	1.191	1.299	-9.1	100	0.00
103 TP	n-Butylbenzene	1.858	2.057	-10.7	103	0.00
104 TP	1,2-Dichlorobenzene	1.099	1.095	0.4	95	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.793	1.957	-9.1	97	0.00
106 TP	1,2-Dibromo-3-chloropropane *	40.000	36.621	8.4	90	0.00
107 TP	1,3,5-Trichlorobenzene	0.788	0.808	-2.5	97	0.00
108 TP	Hexachlorobutadiene	0.374	0.358	4.3	94	0.00
109 TP	1,2,4-Trichlorobenzene	0.722	0.734	-1.7	95	0.00
110 TP	Naphthalene	1.474	1.534	-4.1	91	0.00
111 TP	1,2,3-Trichlorobenzene	0.633	0.635	-0.3	92	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-2
 Misc : WG1432485, ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	96332	20.000	ug/L	0.00
Standard Area 1 = 96332			Recovery =	100.00%		
59) Chlorobenzene-d5	8.900	117	75779	20.000	ug/L	0.00
Standard Area 1 = 75779			Recovery =	100.00%		
79) 1,4-Dichlorobenzene-d4	11.731	152	40395	20.000	ug/L	0.00
Standard Area 1 = 40395			Recovery =	100.00%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	25344	20.645	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.22%		
43) 1,2-Dichloroethane-d4	5.162	65	25329	21.268	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.34%		
60) Toluene-d8	7.091	98	95773	19.630	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.15%		
83) 4-Bromofluorobenzene	10.452	95	33421	19.229	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	96.14%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	24266	33.354	ug/L	98
3) Chloromethane	1.654	50	35044	43.493	ug/L	98
4) Vinyl chloride	1.696	62	46032	45.085	ug/L	97
5) Bromomethane	1.953	94	41794	42.252	ug/L	99
6) Chloroethane	2.058	64	41304	50.367	ug/L	96
7) Trichlorofluoromethane	2.173	101	56498	41.201	ug/L	99
8) Ethyl ether	2.430	74	19468	44.080	ug/L	73
10) 1,1-Dichloroethene	2.598	96	32131	44.385	ug/L	84
11) Carbon disulfide	2.624	76	85164	42.140	ug/L	100
12) Freon-113	2.634	101	31511	41.668	ug/L	99
14) Acrolein	2.876	56	3987	45.230	ug/L	97
15) Methylene chloride	3.085	84	40222	43.590	ug/L	73
17) Acetone	3.122	43	9015	46.228	ug/L	96
18) trans-1,2-Dichloroethene	3.227	96	38583	45.641	ug/L	85
19) Methyl acetate	3.232	43	22341	46.746	ug/L #	88
20) Methyl tert-butyl ether	3.316	73	93311	42.329	ug/L	89
21) tert-Butyl alcohol	3.400	59	17513	237.301	ug/L	97
22) Diisopropyl ether	3.652	45	126167	46.799	ug/L #	91
23) 1,1-Dichloroethane	3.762	63	70892	46.173	ug/L	97
24) Halothane	3.819	117	30544	46.381	ug/L	100
25) Acrylonitrile	3.798	53	10239	45.469	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-2
 Misc : WG1432485, ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.977	59	111923	44.195	ug/L	94
27) Vinyl acetate	3.982	43	88760	47.106	ug/L #	93
28) cis-1,2-Dichloroethene	4.244	96	42956	44.547	ug/L	84
29) 2,2-Dichloropropane	4.338	77	59911	49.114	ug/L	91
30) Bromochloromethane	4.422	128	20074	42.895	ug/L #	70
31) Cyclohexane	4.433	56	57216	44.345	ug/L	74
32) Chloroform	4.501	83	71582	45.156	ug/L	96
33) Ethyl acetate	4.606	43	32902	47.494	ug/L #	97
34) Carbon tetrachloride	4.627	117	56549	45.293	ug/L	98
35) Tetrahydrofuran	4.643	42	11243	42.017	ug/L #	81
37) 1,1,1-Trichloroethane	4.685	97	60800	47.926	ug/L	97
39) 2-Butanone	4.774	43	15088	46.751	ug/L #	81
40) 1,1-Dichloropropene	4.805	75	51143	48.523	ug/L	100
41) Benzene	5.036	78	156136	46.692	ug/L	91
42) tert-Amyl methyl ether	5.151	73	96308	43.396	ug/L	94
44) 1,2-Dichloroethane	5.230	62	52072	43.368	ug/L	98
47) Methyl cyclohexane	5.602	83	56728	42.111	ug/L #	73
48) Trichloroethene	5.613	95	41453	48.681	ug/L	100
50) Dibromomethane	6.032	93	23143	44.608	ug/L	98
51) 1,2-Dichloropropane	6.132	63	41109	45.749	ug/L	97
53) 2-Chloroethyl vinyl ether	6.829	63	18656	36.652	ug/L #	81
54) Bromodichloromethane	6.210	83	55882	46.862	ug/L	99
57) 1,4-Dioxane	6.420	88	16570	2019.031	ug/L #	78
58) cis-1,3-Dichloropropene	6.887	75	64155	40.521	ug/L	90
61) Toluene	7.144	92	98956	42.169	ug/L	96
62) 4-Methyl-2-pentanone	7.579	58	11473	36.629	ug/L #	85
63) Tetrachloroethene	7.584	166	42896	45.813	ug/L	99
65) trans-1,3-Dichloropropene	7.626	75	56111	43.452	ug/L	85
67) Ethyl methacrylate	7.830	69	40052	39.104	ug/L	98
68) 1,1,2-Trichloroethane	7.804	83	28065	42.427	ug/L	99
69) Chlorodibromomethane	8.009	129	41309	38.239	ug/L	98
70) 1,3-Dichloropropane	8.114	76	55705	41.159	ug/L	99
71) 1,2-Dibromoethane	8.266	107	32923	42.478	ug/L	99
72) 2-Hexanone	8.575	43	20560	42.223	ug/L	96
73) Chlorobenzene	8.921	112	114378	42.315	ug/L	97
74) Ethylbenzene	8.968	91	190265	43.904	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.005	131	42626	39.979	ug/L	99
76) p/m Xylene	9.157	106	152335	92.206	ug/L	99
77) o Xylene	9.697	106	140399	91.000	ug/L	97
78) Styrene	9.765	104	243138	82.290	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-2
 Misc : WG1432485,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.781	173	25661	39.694	ug/L	98
82)	Isopropylbenzene	10.111	105	188442	41.975	ug/L	100
84)	Bromobenzene	10.562	156	47086	38.862	ug/L	99
85)	n-Propylbenzene	10.630	91	230102	41.951	ug/L	100
86)	1,4-Dichlorobutane	10.641	55	56620	40.489	ug/L	95
87)	1,1,2,2-Tetrachloroethane	10.725	83	42874	41.770	ug/L	99
88)	4-Ethyltoluene	10.772	105	189174	43.204	ug/L	99
89)	2-Chlorotoluene	10.798	91	156796	41.663	ug/L	99
90)	1,3,5-Trimethylbenzene	10.877	105	161364	42.710	ug/L	99
91)	1,2,3-Trichloropropane	10.861	75	33050	39.415	ug/L	98
92)	trans-1,4-Dichloro-2-b...	10.929	53	12352	45.674	ug/L	87
93)	4-Chlorotoluene	10.992	91	140041	42.003	ug/L	99
94)	tert-Butylbenzene	11.233	119	134475	41.960	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	158463	43.211	ug/L	99
98)	sec-Butylbenzene	11.432	105	210072	43.141	ug/L	100
99)	p-Isopropyltoluene	11.600	119	178125	43.710	ug/L	98
100)	1,3-Dichlorobenzene	11.647	146	97483	40.859	ug/L	100
101)	1,4-Dichlorobenzene	11.747	146	97790	39.493	ug/L	98
102)	p-Diethylbenzene	11.993	119	104958	43.631	ug/L	99
103)	n-Butylbenzene	12.051	91	166146	44.265	ug/L	99
104)	1,2-Dichlorobenzene	12.187	146	88475	39.875	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.811	119	158128	43.654	ug/L	100
106)	1,2-Dibromo-3-chloropr...	12.990	155	6338	36.621	ug/L	99
107)	1,3,5-Trichlorobenzene	13.026	180	65257	40.978	ug/L	99
108)	Hexachlorobutadiene	13.624	225	28916	38.279	ug/L	99
109)	1,2,4-Trichlorobenzene	13.634	180	59294	40.635	ug/L	98
110)	Naphthalene	13.928	128	123965	41.645	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	51292	40.102	ug/L	98

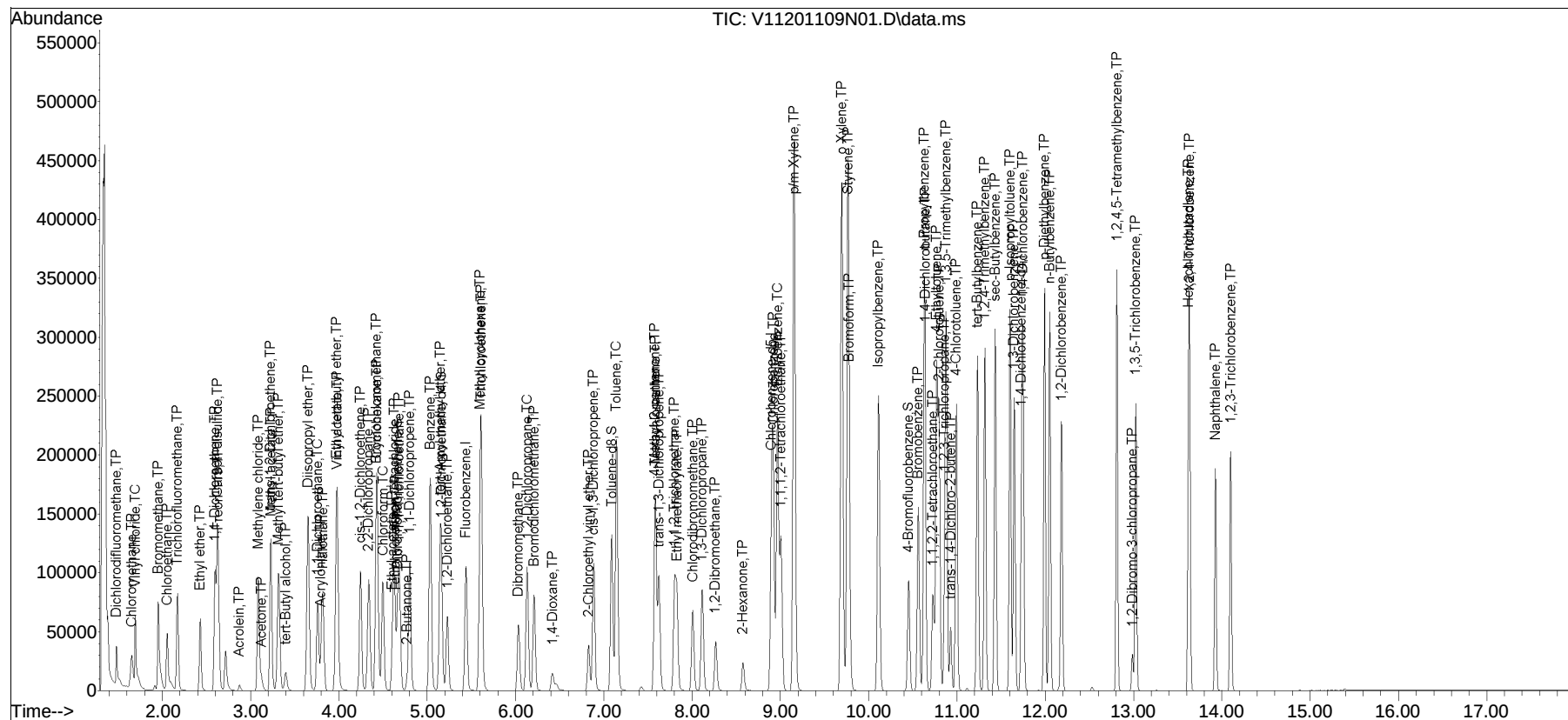
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-2
 Misc : WG1432485,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox9N\V11201109N01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\2Q	Method	: V111_201028P_8260.m
Data File	: V11201109N01.D	Operator	: VOA111:AD
Date Inj'd	: 11/9/2020 5:13 pm	Instrument	: VOA111
Sample	: WG1432485-2	Quant Date	: 11/9/2020 6:18 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-2
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	84	0.00
2 TP	Dichlorodifluoromethane	0.219	0.182	16.9	72	0.00
3 TP	Chloromethane	0.260	0.300	-15.4	103	0.00
4 TC	Vinyl chloride	0.287	0.284	1.0	80	0.00
5 TP	Bromomethane	0.234	0.187	20.1#	71	0.00
6 TP	Chloroethane	0.190	0.170	10.5	75	0.00
7 TP	Trichlorofluoromethane	0.459	0.351	23.5#	65	0.00
8 TP	Ethyl ether	0.118	0.113	4.2	86	0.00
10 TC	1,1-Dichloroethene	0.237	0.236	0.4	81	0.00
11 TP	Carbon disulfide	0.789	0.600	24.0#	70	0.00
12 TP	Freon-113	0.263	0.222	15.6	72	0.00
14 TP	Acrolein	0.026	0.024#	7.7	83	0.00
15 TP	Methylene chloride	0.294	0.272	7.5	87	0.00
17 TP	Acetone	* 40.000	35.878	10.3	78	0.00
18 TP	trans-1,2-Dichloroethene	0.285	0.275	3.5	82	0.00
19 TP	Methyl acetate	0.110	0.104	5.5	86	0.00
20 TP	Methyl tert-butyl ether	0.630	0.582	7.6	83	0.00
21 TP	tert-Butyl alcohol	0.021	0.022#	-4.8	97	0.00
22 TP	Diisopropyl ether	0.835	0.916	-9.7	98	0.00
23 TP	1,1-Dichloroethane	0.512	0.523	-2.1	90	0.00
24 TP	Halothane	0.221	0.217	1.8	80	0.00
25 TP	Acrylonitrile	0.043	0.052	-20.9#	107	0.00
26 TP	Ethyl tert-butyl ether	0.796	0.815	-2.4	92	0.00
27 TP	Vinyl acetate	0.425	0.453	-6.6	98	0.00
28 TP	cis-1,2-Dichloroethene	0.320	0.297	7.2	83	0.00
29 TP	2,2-Dichloropropane	0.431	0.388	10.0	76	0.00
30 TP	Bromochloromethane	0.157	0.129	17.8	73	0.00
31 TP	Cyclohexane	0.397	0.447	-12.6	96	0.00
32 TC	Chloroform	0.550	0.460	16.4	77	0.00
33 TP	Ethyl acetate	0.170	0.176	-3.5	100	0.00
34 TP	Carbon tetrachloride	* 40.000	31.019	22.5#	69	0.00
35 TP	Tetrahydrofuran	0.059	0.062	-5.1	98	0.00
36 S	Dibromofluoromethane	0.289	0.257	11.1	74	0.00
37 TP	1,1,1-Trichloroethane	0.455	0.401	11.9	73	0.00
39 TP	2-Butanone	0.065	0.073#	-12.3	95	0.00
40 TP	1,1-Dichloropropene	0.352	0.347	1.4	81	0.00
41 TP	Benzene	1.120	1.018	9.1	83	0.00
42 TP	tert-Amyl methyl ether	0.715	0.604	15.5	76	0.00
43 S	1,2-Dichloroethane-d4	0.239	0.207	13.4	74	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-2
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TP	1,2-Dichloroethane	0.344	0.300	12.8	79	0.00
47 TP	Methyl cyclohexane	0.443	0.390	12.0	76	0.00
48 TP	Trichloroethene	0.314	0.284	9.6	79	0.00
50 TP	Dibromomethane	0.170	0.139	18.2	72	0.00
51 TC	1,2-Dichloropropane	0.283	0.296	-4.6	93	0.00
53 TP	2-Chloroethyl vinyl ether	0.134	0.145	-8.2	91	0.00
54 TP	Bromodichloromethane	0.425	0.340	20.0	74	0.00
57 TP	1,4-Dioxane	0.00154	0.00207#	-34.4#	110	0.00
58 TP	cis-1,3-Dichloropropene	0.459	0.399	13.1	78	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
60 S	Toluene-d8	1.329	1.357	-2.1	83	0.00
61 TC	Toluene	0.930	0.921	1.0	84	0.00
62 TP	4-Methyl-2-pentanone	0.092	0.104	-13.0	99	0.00
63 TP	Tetrachloroethene	0.416	0.419	-0.7	79	0.00
65 TP	trans-1,3-Dichloropropene	0.502	0.439	12.5	74	0.00
67 TP	Ethyl methacrylate	0.347	0.340	2.0	84	0.00
68 TP	1,1,2-Trichloroethane	0.250	0.233	6.8	81	0.00
69 TP	Chlorodibromomethane	0.440	0.360	18.2	72	0.00
70 TP	1,3-Dichloropropane	0.470	0.447	4.9	81	0.00
71 TP	1,2-Dibromoethane	0.299	0.280	6.4	79	0.00
72 TP	2-Hexanone	0.161	0.179	-11.2	97	0.00
73 TP	Chlorobenzene	1.160	1.019	12.2	79	0.00
74 TC	Ethylbenzene	1.765	1.732	1.9	82	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.441	0.371	15.9	74	0.00
76 TP	p/m Xylene	0.699	0.669	4.3	81	0.00
77 TP	o Xylene	0.699	0.629	10.0	78	0.00
78 TP	Styrene	1.144	1.046	8.6	79	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
80 TP	Bromoform	0.517	0.412	20.3#	68	0.00
82 TP	Isopropylbenzene	3.392	3.459	-2.0	84	0.00
83 S	4-Bromofluorobenzene	0.913	0.903	1.1	81	0.00
84 TP	Bromobenzene	0.968	0.853	11.9	78	0.00
85 TP	n-Propylbenzene	3.992	3.982	0.3	82	0.00
86 TP	1,4-Dichlorobutane	0.820	0.909	-10.9	101	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.717	0.623	13.1	80	0.00
88 TP	4-Ethyltoluene	3.335	3.243	2.8	80	0.00
89 TP	2-Chlorotoluene	2.408	2.288	5.0	82	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-2
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 TP	1,3,5-Trimethylbenzene	2.878	2.785	3.2	81	0.00
91 TP	1,2,3-Trichloropropane	0.510	0.445	12.7	77	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.147	0.143	2.7	80	0.00
93 TP	4-Chlorotoluene	2.509	2.410	3.9	85	0.00
94 TP	tert-Butylbenzene	2.434	2.426	0.3	81	0.00
97 TP	1,2,4-Trimethylbenzene	2.858	2.791	2.3	83	0.00
98 TP	sec-Butylbenzene	3.565	3.653	-2.5	82	0.00
99 TP	p-Isopropyltoluene	3.097	3.127	-1.0	81	0.00
100 TP	1,3-Dichlorobenzene	1.747	1.649	5.6	81	0.00
101 TP	1,4-Dichlorobenzene	1.776	1.635	7.9	81	0.00
102 TP	p-Diethylbenzene	1.842	1.839	0.2	82	0.00
103 TP	n-Butylbenzene	2.757	2.701	2.0	79	0.00
104 TP	1,2-Dichlorobenzene	1.580	1.485	6.0	81	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.730	2.816	-3.2	88	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.105	0.099	5.7	79	0.00
107 TP	1,3,5-Trichlorobenzene	1.216	1.117	8.1	79	0.00
108 TP	Hexachlorobutadiene	0.567	0.483	14.8	72	0.00
109 TP	1,2,4-Trichlorobenzene	1.028	1.005	2.2	85	0.00
110 TP	Naphthalene	1.721	2.008	-16.7	102	0.00
111 TP	1,2,3-Trichlorobenzene	0.904	0.853	5.6	83	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\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-2
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	179103	20.000	ug/L	0.00
Standard Area 1 = 179103			Recovery	=	100.00%	
59) Chlorobenzene-d5	9.105	117	129054	20.000	ug/L	0.00
Standard Area 1 = 129054			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	11.889	152	65943	20.000	ug/L	0.00
Standard Area 1 = 65943			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	45973	17.794	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	88.97%	
43) 1,2-Dichloroethane-d4	5.351	65	37137	17.376	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	86.88%	
60) Toluene-d8	7.280	98	175075	20.422	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.11%	
83) 4-Bromofluorobenzene	10.641	95	59565	19.785	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	98.92%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.518	85	65338	33.309	ug/L	99
3) Chloromethane	1.686	50	107469	46.087	ug/L	99
4) Vinyl chloride	1.749	62	101834	39.592	ug/L	98
5) Bromomethane	2.032	94	67075	32.011	ug/L	96
6) Chloroethane	2.137	64	60909	35.785	ug/L	96
7) Trichlorofluoromethane	2.257	101	125651	30.598	ug/L	99
8) Ethyl ether	2.525	74	40335	38.283	ug/L	97
10) 1,1-Dichloroethene	2.708	96	84539	39.803	ug/L	96
11) Carbon disulfide	2.734	76	215095	30.443	ug/L	99
12) Freon-113	2.740	101	79352	33.644	ug/L	96
14) Acrolein	3.012	56	8434	35.999	ug/L	100
15) Methylene chloride	3.227	84	97349	37.030	ug/L	97
17) Acetone	3.269	43	14285	35.878	ug/L	91
18) trans-1,2-Dichloroethene	3.363	96	98328	38.526	ug/L	99
19) Methyl acetate	3.374	43	37185	37.908	ug/L	96
20) Methyl tert-butyl ether	3.447	73	208386	36.912	ug/L	99
21) tert-Butyl alcohol	3.542	59	39399	213.152	ug/L	92
22) Diisopropyl ether	3.783	45	328134	43.871	ug/L	97
23) 1,1-Dichloroethane	3.914	63	187454	40.916	ug/L	99
24) Halothane	3.972	117	77862	39.288	ug/L	98
25) Acrylonitrile	3.977	53	18805	48.485	ug/L #	93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-2
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	4.113	59	291763	40.940	ug/L	97
27) Vinyl acetate	4.145	43	162293	42.615	ug/L	99
28) cis-1,2-Dichloroethene	4.417	96	106428	37.196	ug/L	99
29) 2,2-Dichloropropane	4.506	77	139002	36.055	ug/L	98
30) Bromochloromethane	4.601	128	46325	32.894	ug/L	96
31) Cyclohexane	4.585	56	160108	45.057	ug/L	96
32) Chloroform	4.674	83	164827	33.467	ug/L	99
33) Ethyl acetate	4.779	43	63131	41.477	ug/L	99
34) Carbon tetrachloride	4.790	117	131183	31.019	ug/L	99
35) Tetrahydrofuran	4.816	42	22083	41.692	ug/L	93
37) 1,1,1-Trichloroethane	4.853	97	143503	35.229	ug/L	99
39) 2-Butanone	4.963	43	25989	44.597	ug/L #	86
40) 1,1-Dichloropropene	4.973	75	124351	39.477	ug/L	98
41) Benzene	5.209	78	364794	36.372	ug/L	99
42) tert-Amyl methyl ether	5.314	73	216207	33.747	ug/L	97
44) 1,2-Dichloroethane	5.419	62	107391	34.904	ug/L	99
47) Methyl cyclohexane	5.770	83	139532	35.138	ug/L	97
48) Trichloroethene	5.796	95	101597	36.151	ug/L	100
50) Dibromomethane	6.231	93	49942	32.802	ug/L	98
51) 1,2-Dichloropropane	6.326	63	105924	41.795	ug/L	97
53) 2-Chloroethyl vinyl ether	7.018	63	51876	43.186	ug/L	97
54) Bromodichloromethane	6.410	83	121749	32.016	ug/L	99
57) 1,4-Dioxane	6.614	88	37030	2688.058	ug/L	96
58) cis-1,3-Dichloropropene	7.086	75	142780	34.738	ug/L	97
61) Toluene	7.332	92	237681	39.607	ug/L	99
62) 4-Methyl-2-pentanone	7.778	58	26864	45.389	ug/L	94
63) Tetrachloroethene	7.773	166	108075	40.267	ug/L	98
65) trans-1,3-Dichloropropene	7.831	75	113236	34.938	ug/L	97
67) Ethyl methacrylate	8.014	69	87783	39.251	ug/L	98
68) 1,1,2-Trichloroethane	8.009	83	60054	37.183	ug/L	100
69) Chlorodibromomethane	8.219	129	92794	32.718	ug/L	99
70) 1,3-Dichloropropane	8.329	76	115331	38.017	ug/L	100
71) 1,2-Dibromoethane	8.481	107	72287	37.420	ug/L	100
72) 2-Hexanone	8.780	43	46139	44.330	ug/L	100
73) Chlorobenzene	9.126	112	263014	35.127	ug/L	100
74) Ethylbenzene	9.162	91	447047	39.261	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.209	131	95779	33.663	ug/L	98
76) p/m Xylene	9.346	106	345358	76.569	ug/L	98
77) o Xylene	9.891	106	324478	71.950	ug/L	99
78) Styrene	9.970	104	539944	73.119	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-2
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.996	173	54343	31.904	ug/L	100
82)	Isopropylbenzene	10.295	105	456204	40.788	ug/L	99
84)	Bromobenzene	10.751	156	112499	35.245	ug/L	99
85)	n-Propylbenzene	10.798	91	525128	39.896	ug/L	99
86)	1,4-Dichlorobutane	10.830	55	119924	44.353	ug/L	96
87)	1,1,2,2-Tetrachloroethane	10.913	83	82110	34.742	ug/L	99
88)	4-Ethyltoluene	10.934	105	427659	38.893	ug/L	100
89)	2-Chlorotoluene	10.976	91	301722	37.995	ug/L	100
90)	1,3,5-Trimethylbenzene	11.034	105	367355	38.717	ug/L	98
91)	1,2,3-Trichloropropane	11.050	75	58675	34.872	ug/L	98
92)	trans-1,4-Dichloro-2-b...	11.107	53	18800	38.679	ug/L #	78
93)	4-Chlorotoluene	11.165	91	317867	38.418	ug/L	99
94)	tert-Butylbenzene	11.385	119	319974	39.875	ug/L	98
97)	1,2,4-Trimethylbenzene	11.469	105	368098	39.068	ug/L	100
98)	sec-Butylbenzene	11.579	105	481717	40.979	ug/L	99
99)	p-Isopropyltoluene	11.742	119	412382	40.390	ug/L	99
100)	1,3-Dichlorobenzene	11.810	146	217517	37.763	ug/L	99
101)	1,4-Dichlorobenzene	11.904	146	215591	36.825	ug/L	99
102)	p-Diethylbenzene	12.125	119	242565	39.931	ug/L	97
103)	n-Butylbenzene	12.182	91	356265	39.195	ug/L	99
104)	1,2-Dichlorobenzene	12.334	146	195886	37.595	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.932	119	371456	41.274	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.131	155	13080	37.721	ug/L	98
107)	1,3,5-Trichlorobenzene	13.157	180	147322	36.751	ug/L	99
108)	Hexachlorobutadiene	13.734	225	63743	34.108	ug/L	99
109)	1,2,4-Trichlorobenzene	13.760	180	132544	39.092	ug/L	99
110)	Naphthalene	14.054	128	264820	46.675	ug/L	100
111)	1,2,3-Trichlorobenzene	14.222	180	112547	37.779	ug/L	99

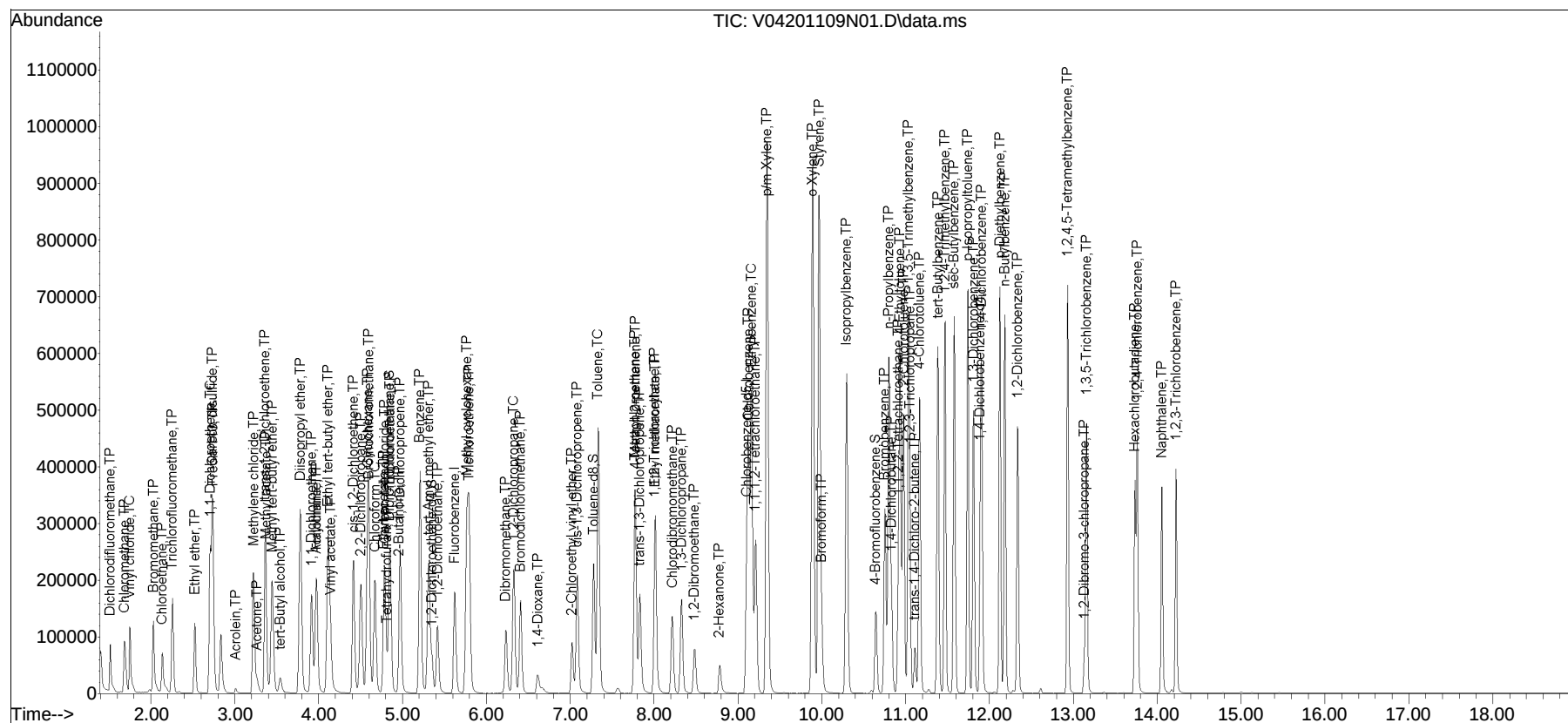
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-2
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox9N\V04201109N01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\2Q	Method	: V104_200602B_8260.m
Data File	: V04201109N01.D	Operator	: VOA104:AD
Date Inj'd	: 11/9/2020 6:31 pm	Instrument	: VOA 104
Sample	: WG1432466-2	Quant Date	: 11/9/2020 6:51 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-2
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	85	0.00
2 TP	Dichlorodifluoromethane	0.151	0.126	16.6	71	0.00
3 TP	Chloromethane	0.167	0.165	1.2	86	0.00
4 TC	Vinyl chloride	0.212	0.213	-0.5	86	0.00
5 TP	Bromomethane	0.205	0.207	-1.0	100	0.00
6 TP	Chloroethane	0.170	0.192	-12.9	92	0.00
7 TP	Trichlorofluoromethane	0.285	0.278	2.5	88	0.00
8 TP	Ethyl ether	0.092	0.097	-5.4	88	0.00
10 TP	1,1-Dichloroethene	0.150	0.148	1.3	86	0.00
11 TP	Carbon disulfide	0.420	0.396	5.7	88	0.00
12 TP	Freon-113	0.157	0.163	-3.8	89	0.00
14 TP	Acrolein	0.018	0.021#	-16.7	93	0.00
15 TP	Methylene chloride	0.192	0.198	-3.1	90	0.00
17 TP	Acetone	* 40.000	44.207	-10.5	97	0.00
18 TP	trans-1,2-Dichloroethene	0.176	0.177	-0.6	85	0.00
19 TP	Methyl acetate	0.099	0.117	-18.2	95	0.00
20 TP	Methyl tert-butyl ether	0.458	0.471	-2.8	86	0.00
21 TP	tert-Butyl alcohol	0.015	0.018#	-20.0	94	0.00
22 TP	Diisopropyl ether	0.560	0.605	-8.0	89	0.00
23 TC	1,1-Dichloroethane	0.319	0.338	-6.0	90	0.00
24 TP	Halothane	0.137	0.143	-4.4	88	0.00
25 TP	Acrylonitrile	0.047	0.052	-10.6	90	0.00
26 TP	Ethyl tert-butyl ether	0.526	0.561	-6.7	88	0.00
27 TP	Vinyl acetate	0.391	0.449	-14.8	92	0.00
28 TP	cis-1,2-Dichloroethene	0.200	0.203	-1.5	85	0.00
29 TP	2,2-Dichloropropane	0.253	0.281	-11.1	94	0.00
30 TP	Bromochloromethane	0.097	0.103	-6.2	88	0.00
31 TP	Cyclohexane	0.268	0.283	-5.6	89	0.00
32 TC	Chloroform	0.329	0.347	-5.5	89	0.00
33 TP	Ethyl acetate	0.144	0.169	-17.4	93	0.00
34 TP	Carbon tetrachloride	0.259	0.266	-2.7	88	0.00
35 TP	Tetrahydrofuran	* 40.000	40.960	-2.4	92	0.00
36 S	Dibromofluoromethane	0.255	0.260	-2.0	87	0.00
37 TP	1,1,1-Trichloroethane	0.263	0.286	-8.7	88	0.00
39 TP	2-Butanone	* 40.000	45.359	-13.4	96	0.00
40 TP	1,1-Dichloropropene	0.219	0.235	-7.3	87	0.00
41 TP	Benzene	0.694	0.738	-6.3	88	0.00
42 TP	tert-Amyl methyl ether	0.461	0.481	-4.3	85	0.00
43 S	1,2-Dichloroethane-d4	0.247	0.267	-8.1	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-2
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	0.249	0.264	-6.0	90	0.00
47 TP	Methyl cyclohexane	0.280	0.284	-1.4	86	0.00
48 TP	Trichloroethene	0.177	0.198#	-11.9	89	0.00
50 TP	Dibromomethane	0.108	0.118	-9.3	87	0.00
51 TC	1,2-Dichloropropane	0.187	0.198	-5.9	88	0.00
53 TP	2-Chloroethyl vinyl ether	0.106	0.081	23.6#	69	0.00
54 TP	Bromodichloromethane	0.248	0.278	-12.1	89	0.00
57 TP	1,4-Dioxane	*2000.000	2260.507	-13.0	104	0.00
58 TP	cis-1,3-Dichloropropene	* 40.000	38.256	4.4	87	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
60 S	Toluene-d8	1.288	1.272	1.2	88	0.00
61 TC	Toluene	0.619	0.595	3.9	87	0.00
62 TP	4-Methyl-2-pentanone	* 40.000	35.356	11.6	85	0.00
63 TP	Tetrachloroethene	0.247	0.256	-3.6	86	0.00
65 TP	trans-1,3-Dichloropropene	0.341	0.359	-5.3	89	0.00
67 TP	Ethyl methacrylate	0.270	0.253	6.3	83	0.00
68 TP	1,1,2-Trichloroethane	0.175	0.183	-4.6	88	0.00
69 TP	Chlorodibromomethane	* 40.000	36.529	8.7	84	0.00
70 TP	1,3-Dichloropropane	0.357	0.361	-1.1	88	0.00
71 TP	1,2-Dibromoethane	0.205	0.213	-3.9	86	0.00
72 TP	2-Hexanone	0.129	0.131	-1.6	88	0.00
73 TP	Chlorobenzene	0.713	0.697	2.2	86	0.00
74 TC	Ethylbenzene	1.144	1.134	0.9	87	0.00
75 TP	1,1,1,2-Tetrachloroethane	* 40.000	37.653	5.9	87	0.00
76 TP	p/m Xylene	0.436	0.451	-3.4	86	0.00
77 TP	o Xylene	0.407	0.421	-3.4	86	0.00
78 TP	Styrene	* 80.000	75.808	5.2	86	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
80 TP	Bromoform	0.320	0.312	2.5	86	0.00
82 TP	Isopropylbenzene	2.223	2.054	7.6	86	0.00
83 S	4-Bromofluorobenzene	0.861	0.805	6.5	89	0.00
84 TP	Bromobenzene	0.600	0.545	9.2	85	0.00
85 TP	n-Propylbenzene	2.716	2.553	6.0	88	0.00
86 TP	1,4-Dichlorobutane	0.692	0.685	1.0	91	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.508	0.532	-4.7	91	0.00
88 TP	4-Ethyltoluene	2.168	2.085	3.8	87	0.00
89 TP	2-Chlorotoluene	1.863	1.761	5.5	89	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-2
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 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	1.871	1.788	4.4	87	0.00
91 TP	1,2,3-Trichloropropane	0.415	0.405	2.4	90	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.134	0.149	-11.2	95	0.00
93 TP	4-Chlorotoluene	1.651	1.566	5.1	88	0.00
94 TP	tert-Butylbenzene	1.587	1.497	5.7	86	0.00
97 TP	1,2,4-Trimethylbenzene	1.816	1.773	2.4	88	0.00
98 TP	sec-Butylbenzene	2.411	2.319	3.8	87	0.00
99 TP	p-Isopropyltoluene	2.018	1.950	3.4	86	0.00
100 TP	1,3-Dichlorobenzene	1.181	1.125	4.7	89	0.00
101 TP	1,4-Dichlorobenzene	1.226	1.132	7.7	88	0.00
102 TP	p-Diethylbenzene	1.191	1.153	3.2	86	0.00
103 TP	n-Butylbenzene	1.858	1.829	1.6	89	0.00
104 TP	1,2-Dichlorobenzene	1.099	1.023	6.9	86	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.793	1.761	1.8	84	0.00
106 TP	1,2-Dibromo-3-chloropropane *	40.000	35.871	10.3	86	0.00
107 TP	1,3,5-Trichlorobenzene	0.788	0.754	4.3	88	0.00
108 TP	Hexachlorobutadiene	0.374	0.338	9.6	86	0.00
109 TP	1,2,4-Trichlorobenzene	0.722	0.669	7.3	84	0.00
110 TP	Naphthalene	1.474	1.413	4.1	82	0.00
111 TP	1,2,3-Trichlorobenzene	0.633	0.596	5.8	83	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\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-2
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	93534	20.000	ug/L	0.00
Standard Area 1 = 93534			Recovery =	100.00%		
59) Chlorobenzene-d5	8.900	117	73363	20.000	ug/L	0.00
Standard Area 1 = 73363			Recovery =	100.00%		
79) 1,4-Dichlorobenzene-d4	11.731	152	39230	20.000	ug/L	0.00
Standard Area 1 = 39230			Recovery =	100.00%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	24311	20.396	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.98%		
43) 1,2-Dichloroethane-d4	5.162	65	24931	21.560	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	107.80%		
60) Toluene-d8	7.091	98	93283	19.749	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.74%		
83) 4-Bromofluorobenzene	10.452	95	31590	18.716	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.58%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.481	85	23500	33.268	ug/L	97
3) Chloromethane	1.654	50	30840	39.420	ug/L	99
4) Vinyl chloride	1.696	62	39773	40.120	ug/L	97
5) Bromomethane	1.953	94	38674	40.267	ug/L	99
6) Chloroethane	2.053	64	35994	45.204	ug/L	98
7) Trichlorofluoromethane	2.173	101	52047	39.090	ug/L	100
8) Ethyl ether	2.430	74	18226	42.503	ug/L	73
10) 1,1-Dichloroethene	2.598	96	27779	39.522	ug/L	84
11) Carbon disulfide	2.624	76	74081	37.753	ug/L	99
12) Freon-113	2.635	101	30460	41.484	ug/L	98
14) Acrolein	2.876	56	3902	45.590	ug/L	96
15) Methylene chloride	3.085	84	37030	41.331	ug/L	72
17) Acetone	3.122	43	8385	44.207	ug/L	97
18) trans-1,2-Dichloroethene	3.227	96	33146	40.382	ug/L	85
19) Methyl acetate	3.232	43	21929	47.256	ug/L #	88
20) Methyl tert-butyl ether	3.316	73	88099	41.160	ug/L	89
21) tert-Butyl alcohol	3.395	59	16729	233.459	ug/L	98
22) Diisopropyl ether	3.652	45	113130	43.219	ug/L #	90
23) 1,1-Dichloroethane	3.757	63	63243	42.423	ug/L	97
24) Halothane	3.814	117	26780	41.882	ug/L	100
25) Acrylonitrile	3.799	53	9767	44.670	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-2
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.972	59	104986	42.696	ug/L	94
27) Vinyl acetate	3.982	43	83912	45.866	ug/L #	92
28) cis-1,2-Dichloroethene	4.244	96	37893	40.472	ug/L	85
29) 2,2-Dichloropropane	4.339	77	52554	44.372	ug/L	90
30) Bromochloromethane	4.428	128	19269	42.406	ug/L #	70
31) Cyclohexane	4.433	56	52915	42.238	ug/L	74
32) Chloroform	4.496	83	64902	42.167	ug/L	96
33) Ethyl acetate	4.606	43	31661	47.070	ug/L #	96
34) Carbon tetrachloride	4.622	117	49742	41.033	ug/L	99
35) Tetrahydrofuran	4.637	42	10633	40.960	ug/L #	81
37) 1,1,1-Trichloroethane	4.685	97	53546	43.470	ug/L	97
39) 2-Butanone	4.774	43	14205	45.359	ug/L #	83
40) 1,1-Dichloropropene	4.800	75	43935	42.932	ug/L	98
41) Benzene	5.036	78	137991	42.500	ug/L	91
42) tert-Amyl methyl ether	5.151	73	89933	41.736	ug/L	95
44) 1,2-Dichloroethane	5.230	62	49386	42.362	ug/L	98
47) Methyl cyclohexane	5.602	83	53217	40.687	ug/L #	74
48) Trichloroethene	5.613	95	37008	44.761	ug/L	99
50) Dibromomethane	6.032	93	22113	43.898	ug/L	99
51) 1,2-Dichloropropane	6.132	63	37125	42.551	ug/L	96
53) 2-Chloroethyl vinyl ether	6.829	63	15213	30.782	ug/L #	80
54) Bromodichloromethane	6.210	83	51940	44.860	ug/L	99
57) 1,4-Dioxane	6.415	88	18080	2260.507	ug/L #	77
58) cis-1,3-Dichloropropene	6.887	75	58773	38.256	ug/L	90
61) Toluene	7.144	92	87247	38.404	ug/L	97
62) 4-Methyl-2-pentanone	7.579	58	10703	35.356	ug/L #	89
63) Tetrachloroethene	7.584	166	37588	41.466	ug/L	99
65) trans-1,3-Dichloropropene	7.621	75	52699	42.154	ug/L	84
67) Ethyl methacrylate	7.830	69	37051	37.365	ug/L	97
68) 1,1,2-Trichloroethane	7.804	83	26815	41.872	ug/L	99
69) Chlorodibromomethane	8.009	129	38186	36.529	ug/L	97
70) 1,3-Dichloropropane	8.114	76	52959	40.419	ug/L	100
71) 1,2-Dibromoethane	8.266	107	31235	41.627	ug/L	98
72) 2-Hexanone	8.575	43	19186	40.699	ug/L	97
73) Chlorobenzene	8.916	112	102335	39.107	ug/L	97
74) Ethylbenzene	8.968	91	166406	39.663	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.005	131	38849	37.653	ug/L	100
76) p/m Xylene	9.157	106	132483	82.831	ug/L	99
77) o Xylene	9.697	106	123415	82.626	ug/L	98
78) Styrene	9.765	104	216294	75.808	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-2
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	9.781	173	24448	38.941	ug/L	99
82)	Isopropylbenzene	10.111	105	161182	36.970	ug/L	100
84)	Bromobenzene	10.562	156	42790	36.365	ug/L	100
85)	n-Propylbenzene	10.630	91	200338	37.609	ug/L	100
86)	1,4-Dichlorobutane	10.636	55	53747	39.576	ug/L	95
87)	1,1,2,2-Tetrachloroethane	10.725	83	41737	41.870	ug/L	97
88)	4-Ethyltoluene	10.772	105	163589	38.470	ug/L	99
89)	2-Chlorotoluene	10.798	91	138160	37.802	ug/L	99
90)	1,3,5-Trimethylbenzene	10.877	105	140277	38.232	ug/L	99
91)	1,2,3-Trichloropropane	10.861	75	31778	39.024	ug/L	99
92)	trans-1,4-Dichloro-2-b...	10.929	53	11704	44.563	ug/L	85
93)	4-Chlorotoluene	10.992	91	122846	37.940	ug/L	99
94)	tert-Butylbenzene	11.233	119	117448	37.736	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	139117	39.062	ug/L	100
98)	sec-Butylbenzene	11.432	105	181930	38.472	ug/L	100
99)	p-Isopropyltoluene	11.600	119	153027	38.666	ug/L	99
100)	1,3-Dichlorobenzene	11.653	146	88298	38.108	ug/L	99
101)	1,4-Dichlorobenzene	11.747	146	88823	36.937	ug/L	99
102)	p-Diethylbenzene	11.994	119	90470	38.725	ug/L	99
103)	n-Butylbenzene	12.051	91	143515	39.371	ug/L	99
104)	1,2-Dichlorobenzene	12.182	146	80302	37.266	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.811	119	138139	39.268	ug/L	100
106)	1,2-Dibromo-3-chloropr...	12.990	155	6023	35.871	ug/L	98
107)	1,3,5-Trichlorobenzene	13.026	180	59133	38.235	ug/L	98
108)	Hexachlorobutadiene	13.624	225	26533	36.167	ug/L	99
109)	1,2,4-Trichlorobenzene	13.635	180	52479	37.033	ug/L	99
110)	Naphthalene	13.928	128	110837	38.340	ug/L	100
111)	1,2,3-Trichlorobenzene	14.101	180	46781	37.661	ug/L	98

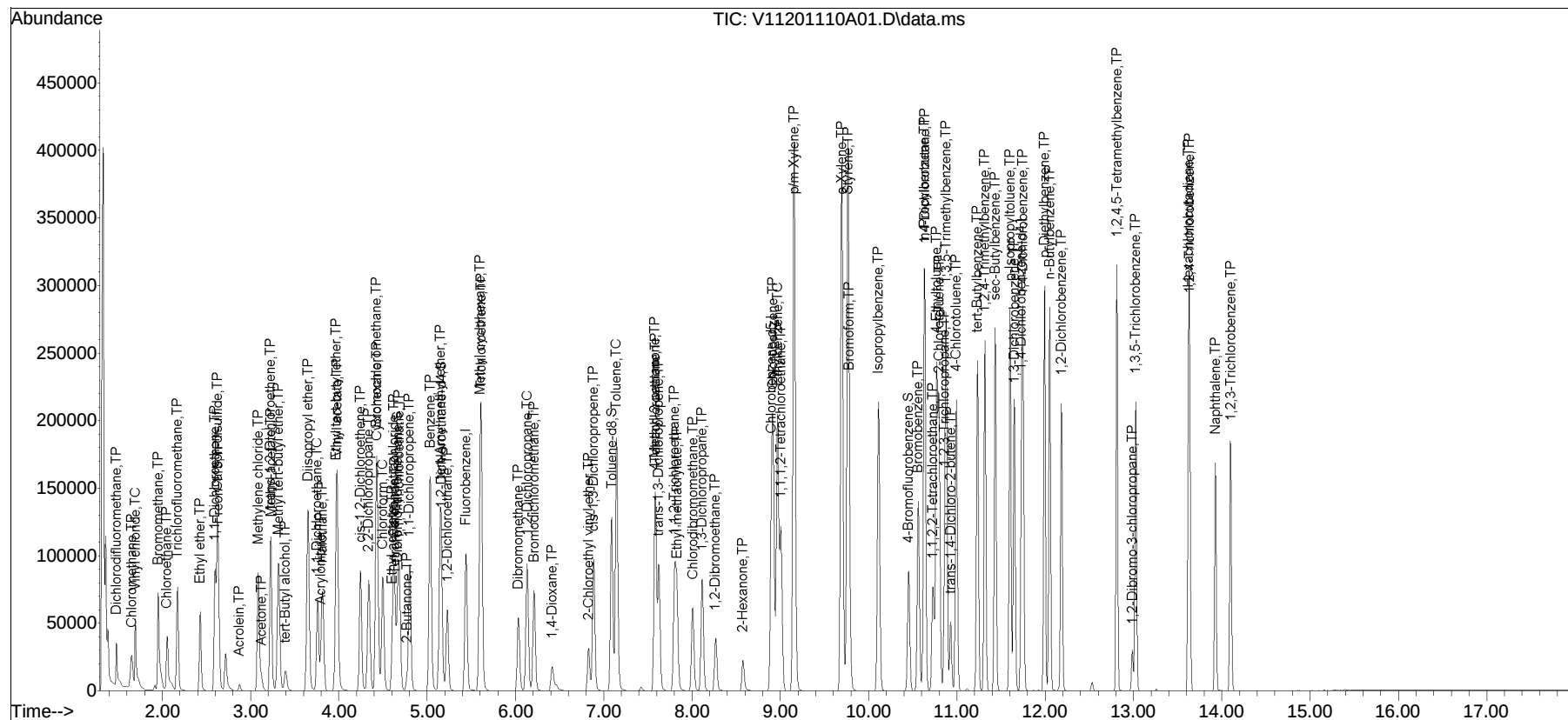
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-2
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V11201110A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\2Q	Method	: V111_201028P_8260.m
Data File	: V11201110A01.D	Operator	: VOA111:MV
Date Inj'd	: 11/10/2020 5:56 am	Instrument	: VOA111
Sample	: WG1432524-2	Quant Date	: 11/10/2020 6:15 am

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-2
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TP	Dichlorodifluoromethane	0.193	0.135	30.1#	66	0.00
3 TP	Chlorodifluoromethane	0.169	0.112	33.7#	68	0.00
4 TP	Chloromethane	0.181	0.134	26.0#	83	0.00
5 TC	Vinyl chloride	0.238	0.201	15.5	84	0.00
6 TP	Bromomethane	0.132	0.100	24.2#	81	0.00
7 TP	Chloroethane	0.121	0.109	9.9	90	0.00
8 TP	Trichlorofluoromethane	0.308	0.274	11.0	86	-0.01
9 TP	Ethyl ether	0.098	0.088	10.2	90	0.00
11 TC	1,1-Dichloroethene	0.185	0.162	12.4	88	0.00
12 TP	Carbon disulfide	* 40.000	35.025	12.4	86	-0.01
13 TP	Freon-113	0.178	0.166	6.7	89	0.00
14 TP	Iodomethane	0.166	0.178	-7.2	101	0.00
15 TP	Acrolein	0.016	0.014#	12.5	87	-0.02
16 TP	Allyl chloride	0.116	0.101	12.9	84	-0.01
17 TP	Methylene chloride	0.222	0.191	14.0	92	-0.01
19 TP	Acetone	* 40.000	40.720	-1.8	108	0.00
20 TP	trans-1,2-Dichloroethene	0.219	0.190	13.2	87	0.00
21 TP	Methyl acetate	0.078	0.071#	9.0	92	0.00
22 TP	Hexane	0.244	0.233	4.5	88	0.00
23 TP	Methyl tert-butyl ether	0.496	0.431	13.1	87	0.00
24 TP	tert-Butyl alcohol	0.015	0.013#	13.3	87	-0.01
25 TP	Diisopropyl ether	0.482	0.440	8.7	92	0.00
26 TP	1,1-Dichloroethane	0.336	0.293	12.8	89	0.00
27 TP	Halothane	0.171	0.147	14.0	84	-0.01
28 TP	Acrylonitrile	* 40.000	36.494	8.8	92	0.00
29 TP	Ethyl tert-butyl ether	0.506	0.444	12.3	88	0.00
30 TP	Vinyl acetate	0.250	0.230	8.0	91	0.00
31 TP	cis-1,2-Dichloroethene	0.246	0.209	15.0	86	0.00
32 TP	2,2-Dichloropropane	0.300	0.274	8.7	89	-0.01
33 TP	Bromochloromethane	0.109	0.092	15.6	86	0.00
34 TP	Cyclohexane	0.265	0.259	2.3	93	0.00
35 TC	Chloroform	0.397	0.335	15.6	85	-0.01
36 TP	Ethyl acetate	0.109	0.102	6.4	93	0.00
37 TP	Carbon tetrachloride	0.312	0.270	13.5	82	0.00
38 TP	Tetrahydrofuran	* 40.000	35.132	12.2	87	0.00
39 S	Dibromofluoromethane	0.262	0.244	6.9	94	0.00
40 TP	1,1,1-Trichloroethane	0.344	0.296	14.0	85	-0.01
42 TP	2-Butanone	* 40.000	38.464	3.8	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-2
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 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 TP	1,1-Dichloropropene	0.283	0.260	8.1	90	-0.01
44 TP	Heptane	0.199	0.186	6.5	89	-0.01
45 TP	Benzene	0.859	0.750	12.7	89	0.00
46 TP	tert-Amyl methyl ether	0.513	0.441	14.0	85	0.00
47 S	1,2-Dichloroethane-d4	0.225	0.223	0.9	100	0.00
48 TP	1,2-Dichloroethane	0.253	0.213	15.8	87	0.00
51 TP	Methyl cyclohexane	0.329	0.315	4.3	90	-0.01
52 TP	Trichloroethene	0.235	0.202	14.0	85	-0.01
54 TP	Dibromomethane	0.126	0.107	15.1	86	0.00
55 TC	1,2-Dichloropropane	0.197	0.173	12.2	89	-0.01
57 TP	2-Chloroethyl vinyl ether	0.086	0.079	8.1	95	0.00
58 TP	Bromodichloromethane	0.298	0.252	15.4	83	0.00
60 TP	Methyl methacrylate	0.116	0.103	11.2	86	-0.01
61 TP	1,4-Dioxane	0.00187	0.00172#	8.0	83	-0.01
62 TP	cis-1,3-Dichloropropene	0.329	0.298	9.4	87	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64 TP	Octane	0.275	0.272	1.1	90	0.00
65 S	Toluene-d8	1.270	1.304	-2.7	97	0.00
66 TC	Toluene	0.725	0.671	7.4	87	0.00
67 TP	4-Methyl-2-pentanone	0.066	0.066#	0.0	92	0.00
68 TP	Tetrachloroethene	0.347	0.309	11.0	85	0.00
69 TP	2-Nitropropane	0.040	0.035	12.5	84	0.00
71 TP	trans-1,3-Dichloropropene	0.363	0.351	3.3	88	-0.01
72 TP	Methyl isothiocyanate	0.134	0.118	11.9	79	0.00
74 TP	Ethyl methacrylate	0.281	0.266	5.3	85	0.00
75 TP	1,1,2-Trichloroethane	0.187	0.173	7.5	86	0.00
76 TP	Chlorodibromomethane	0.273	0.245	10.3	79	0.00
77 TP	1,3-Dichloropropane	0.372	0.346	7.0	87	0.00
78 TP	1,2-Dibromoethane	0.220	0.200	9.1	84	0.00
79 TP	n-Butyl Acetate	0.270	0.276	-2.2	93	0.00
80 TP	2-Hexanone	0.110	0.107	2.7	91	0.00
81 TP	Nonane	0.401	0.398	0.7	92	-0.01
82 TP	Chlorobenzene	0.837	0.748	10.6	85	0.00
83 TC	Ethylbenzene	1.391	1.293	7.0	87	0.00
84 TP	1,1,1,2-Tetrachloroethane	0.293	0.267	8.9	81	0.00
85 TP	p/m Xylene	0.555	0.515	7.2	87	0.00
86 TP	o Xylene	0.517	0.475	8.1	85	0.00
87 TP	Styrene	0.849	0.801	5.7	86	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-2
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 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)
88 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
89 TP	Bromoform	0.329	0.291	11.6	76	0.00
91 TP	Isopropylbenzene	2.652	2.521	4.9	85	0.00
92 S	4-Bromofluorobenzene	0.889	0.890	-0.1	91	0.00
93 TP	Bromobenzene	0.670	0.620	7.5	83	0.00
94 TP	Decane	0.877	0.913	-4.1	92	0.00
95 TP	n-Propylbenzene	3.121	3.040	2.6	87	0.00
96 TP	1,4-Dichlorobutane	0.533	0.518	2.8	88	0.00
97 TP	1,1,2,2-Tetrachloroethane	0.505	0.492	2.6	86	0.00
98 TP	4-Ethyltoluene	2.576	2.499	3.0	86	0.00
99 TP	2-Chlorotoluene	2.107	1.959	7.0	86	0.00
100 TP	1,3,5-Trimethylbenzene	2.266	2.122	6.4	84	0.00
101 TP	1,2,3-Trichloropropane	0.371	0.353	4.9	86	0.00
102 TP	trans-1,4-Dichloro-2-butene	0.118	0.120	-1.7	90	0.00
103 TP	4-Chlorotoluene	1.898	1.807	4.8	86	0.00
104 TP	tert-Butylbenzene	1.938	1.830	5.6	84	0.00
107 TP	1,2,4-Trimethylbenzene	2.208	2.075	6.0	84	0.00
108 TP	Limonene	0.704	0.752	-6.8	90	0.00
109 TP	sec-Butylbenzene	2.871	2.783	3.1	85	0.00
110 TP	p-Isopropyltoluene	2.498	2.403	3.8	85	0.00
111 TP	1,3-Dichlorobenzene	1.333	1.256	5.8	85	0.00
112 TP	1,4-Dichlorobenzene	1.319	1.240	6.0	85	0.00
113 TP	trans-Decahydronaphthalene	0.695	0.685	1.4	87	0.00
114 TP	Undecane	0.790	0.943	-19.4	103	0.00
115 TP	p-Diethylbenzene	1.532	1.465	4.4	86	0.00
116 TP	n-Butylbenzene	2.772	2.682	3.2	88	0.00
117 TP	Hexachloroethane	0.470	0.455	3.2	81	0.00
118 TP	1,2-Dichlorobenzene	1.214	1.125	7.3	83	0.00
119 TP	cis-Decahydronaphthalene	0.534	0.532	0.4	86	0.00
120 TP	1,2,4,5-Tetramethylbenzene	2.199	2.176	1.0	85	0.00
121 TP	1,2-Dibromo-3-chloropropane	0.086	0.077	10.5	76	0.00
122 TP	1,3,5-Trichlorobenzene	0.918	0.897	2.3	87	0.00
123 TP	Nitrobenzene	* 40.000	32.488	18.8	78	0.00
124 TP	Hexachlorobutadiene	0.462	0.435	5.8	82	0.00
125 TP	1,2,4-Trichlorobenzene	0.834	0.817	2.0	87	0.00
126 TP	Naphthalene	1.599	1.552	2.9	83	0.00
127 TP	1,2,3-Trichlorobenzene	0.750	0.709	5.5	83	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-2
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 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)

* Evaluation of CC level amount vs concentration.				
(#) = Out of Range SPCC's out = 5 CCC's out = 0				

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-2
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.530	96	649332	20.000	ug/L	0.00
Standard Area 1 = 649332			Recovery	=	100.00%	
63) Chlorobenzene-d5	18.231	117	479872	20.000	ug/L	0.00
Standard Area 1 = 479872			Recovery	=	100.00%	
88) 1,4-Dichlorobenzene-d4	23.887	152	248168	20.000	ug/L	0.00
Standard Area 1 = 248168			Recovery	=	100.00%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.899	113	158267	18.599	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	93.00%	
47) 1,2-Dichloroethane-d4	10.897	65	145055	19.856	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	99.28%	
65) Toluene-d8	14.868	98	625736	20.530	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.65%	
92) 4-Bromofluorobenzene	21.065	95	220993	20.039	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.20%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.684	85	175303	27.969	ug/L	93
3) Chlorodifluoromethane	2.682	51	145214	26.514	ug/L #	91
4) Chloromethane	3.066	50	174565	29.656	ug/L	98
5) Vinyl chloride	3.228	62	261539	33.895	ug/L	98
6) Bromomethane	3.956	94	130312	30.319	ug/L	96
7) Chloroethane	4.090	64	141399	36.109	ug/L	100
8) Trichlorofluoromethane	4.533	101	355598	35.613	ug/L	98
9) Ethyl ether	5.085	74	113876	35.644	ug/L	78
11) 1,1-Dichloroethene	5.660	96	210902	35.195	ug/L	86
12) Carbon disulfide	6.572	76	532365	35.025	ug/L	100
13) Freon-113	5.334	101	215594	37.203	ug/L	98
14) Iodomethane	6.229	142	231376	42.897	ug/L	96
15) Acrolein	5.339	56	18782	36.051	ug/L	96
16) Allyl chloride	6.363	76	131078	34.935	ug/L #	57
17) Methylene chloride	6.580	84	248612	34.515	ug/L	82
19) Acetone	5.479	43	43384	40.720	ug/L	94
20) trans-1,2-Dichloroethene	7.141	96	246342	34.584	ug/L	89
21) Methyl acetate	6.321	43	91571	35.935	ug/L #	86
22) Hexane	7.252	57	302106	38.116	ug/L	95
23) Methyl tert-butyl ether	6.873	73	559179	34.713	ug/L	89
24) tert-Butyl alcohol	5.852	59	84522	174.544	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-2
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Diisopropyl ether	7.757	45	570777	36.463	ug/L	# 92
26) 1,1-Dichloroethane	7.969	63	380912	34.931	ug/L	97
27) Halothane	7.063	117	190271	34.314	ug/L	99
28) Acrylonitrile	6.848	53	50060	36.494	ug/L	95
29) Ethyl tert-butyl ether	8.555	59	576615	35.094	ug/L	92
30) Vinyl acetate	7.991	43	298955	36.894	ug/L	# 89
31) cis-1,2-Dichloroethene	9.157	96	271020	33.873	ug/L	86
32) 2,2-Dichloropropane	9.054	77	355829	36.581	ug/L	87
33) Bromochloromethane	9.793	128	119957	33.965	ug/L	# 81
34) Cyclohexane	10.253	56	335951	39.108	ug/L	76
35) Chloroform	9.464	83	434405	33.696	ug/L	97
36) Ethyl acetate	9.151	43	133012	37.748	ug/L	# 94
37) Carbon tetrachloride	10.744	117	350048	34.554	ug/L	100
38) Tetrahydrofuran	9.879	42	37995	35.132	ug/L	# 76
40) 1,1,1-Trichloroethane	10.242	97	384859	34.466	ug/L	96
42) 2-Butanone	8.819	43	62924	38.464	ug/L	# 84
43) 1,1-Dichloropropene	10.554	75	337309	36.711	ug/L	99
44) Heptane	10.875	71	242193	37.443	ug/L	# 82
45) Benzene	11.095	78	974121	34.919	ug/L	93
46) tert-Amyl methyl ether	10.797	73	572442	34.370	ug/L	97
48) 1,2-Dichloroethane	11.087	62	276191	33.603	ug/L	98
51) Methyl cyclohexane	12.439	83	409373	38.343	ug/L	# 81
52) Trichloroethene	12.339	95	262875	34.454	ug/L	99
54) Dibromomethane	13.318	93	138440	33.903	ug/L	97
55) 1,2-Dichloropropane	12.715	63	225262	35.243	ug/L	95
57) 2-Chloroethyl vinyl ether	13.873	63	103046	36.979	ug/L	87
58) Bromodichloromethane	13.206	83	327887	33.868	ug/L	100
60) Methyl methacrylate	12.855	69	133241	35.503	ug/L	# 74
61) 1,4-Dioxane	13.270	88	111984	1842.330	ug/L	# 85
62) cis-1,3-Dichloropropene	14.363	75	386647	36.206	ug/L	# 88
64) Octane	14.572	85	261044	39.504	ug/L	87
66) Toluene	15.038	92	644025	37.036	ug/L	97
67) 4-Methyl-2-pentanone	13.934	58	63547	39.867	ug/L	# 82
68) Tetrachloroethene	16.460	166	296304	35.590	ug/L	99
69) 2-Nitropropane	13.371	41	34060	35.755	ug/L	# 91
71) trans-1,3-Dichloropropene	15.457	75	336549	38.671	ug/L	# 82
72) Methyl isothiocyanate	15.351	73	112832	34.989	ug/L	# 95
74) Ethyl methacrylate	15.445	69	254958	37.860	ug/L	98
75) 1,1,2-Trichloroethane	15.797	83	165770	36.999	ug/L	99
76) Chlorodibromomethane	16.923	129	235342	35.898	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-2
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	1,3-Dichloropropane	16.354	76	332501	37.229	ug/L	100
78)	1,2-Dibromoethane	17.378	107	192030	36.351	ug/L	99
79)	n-Butyl Acetate	16.374	43	264966	40.961	ug/L #	92
80)	2-Hexanone	15.825	43	103133	39.210	ug/L	91
81)	Nonane	18.011	57	382042	39.719	ug/L #	86
82)	Chlorobenzene	18.320	112	717656	35.730	ug/L	98
83)	Ethylbenzene	18.446	91	1241052	37.177	ug/L	98
84)	1,1,1,2-Tetrachloroethane	18.424	131	256161	36.414	ug/L	99
85)	p/m Xylene	18.622	106	988311	74.242	ug/L	91
86)	o Xylene	19.631	106	911747	73.529	ug/L	89
87)	Styrene	19.720	104	1538043	75.518	ug/L	93
89)	Bromoform	20.496	173	144444	35.426	ug/L	100
91)	Isopropylbenzene	20.476	105	1251426	38.029	ug/L	97
93)	Bromobenzene	21.508	156	307498	36.964	ug/L	100
94)	Decane	21.176	57	453080	41.631	ug/L #	87
95)	n-Propylbenzene	21.427	91	1509003	38.967	ug/L	97
96)	1,4-Dichlorobutane	20.724	55	257146	38.864	ug/L	98
97)	1,1,2,2-Tetrachloroethane	20.906	83	244257	38.993	ug/L	99
98)	4-Ethyltoluene	21.700	105	1240528	38.807	ug/L	98
99)	2-Chlorotoluene	21.831	91	972344	37.196	ug/L	100
100)	1,3,5-Trimethylbenzene	21.812	105	1053466	37.462	ug/L	97
101)	1,2,3-Trichloropropane	21.249	75	175217	38.092	ug/L	98
102)	trans-1,4-Dichloro-2-b...	21.438	53	59608	40.691	ug/L #	85
103)	4-Chlorotoluene	21.951	91	896980	38.078	ug/L	100
104)	tert-Butylbenzene	22.654	119	908101	37.768	ug/L	99
107)	1,2,4-Trimethylbenzene	22.743	105	1030071	37.593	ug/L	98
108)	Limonene	23.318	68	373279	42.746	ug/L	94
109)	sec-Butylbenzene	23.167	105	1381390	38.774	ug/L	98
110)	p-Isopropyltoluene	23.505	119	1192527	38.476	ug/L	99
111)	1,3-Dichlorobenzene	23.703	146	623429	37.690	ug/L	99
112)	1,4-Dichlorobenzene	23.959	146	615653	37.629	ug/L	99
113)	trans-Decahydronaphtha...	24.447	138	340172	39.428	ug/L	92
114)	Undecane	24.079	57	468149	47.766	ug/L #	86
115)	p-Diethylbenzene	24.503	119	727009	38.244	ug/L	99
116)	n-Butylbenzene	24.478	91	1331167	38.696	ug/L	97
117)	Hexachloroethane	25.591	117	225807	38.713	ug/L	91
118)	1,2-Dichlorobenzene	24.815	146	558310	37.051	ug/L	99
119)	cis-Decahydronaphthalene	25.889	138	263917	39.843	ug/L	92
120)	1,2,4,5-Tetramethylben...	26.198	119	1079797	39.574	ug/L	97
121)	1,2-Dibromo-3-chloropr...	26.544	155	38047	35.782	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-2
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122)	1,3,5-Trichlorobenzene	27.007	180	445365	39.093	ug/L	98
123)	Nitrobenzene	26.726	77	9286	32.488	ug/L	95
124)	Hexachlorobutadiene	28.466	225	215761	37.597	ug/L	100
125)	1,2,4-Trichlorobenzene	28.212	180	405649	39.217	ug/L	99
126)	Naphthalene	28.664	128	770195	38.809	ug/L	100
127)	1,2,3-Trichlorobenzene	29.096	180	351987	37.848	ug/L	99

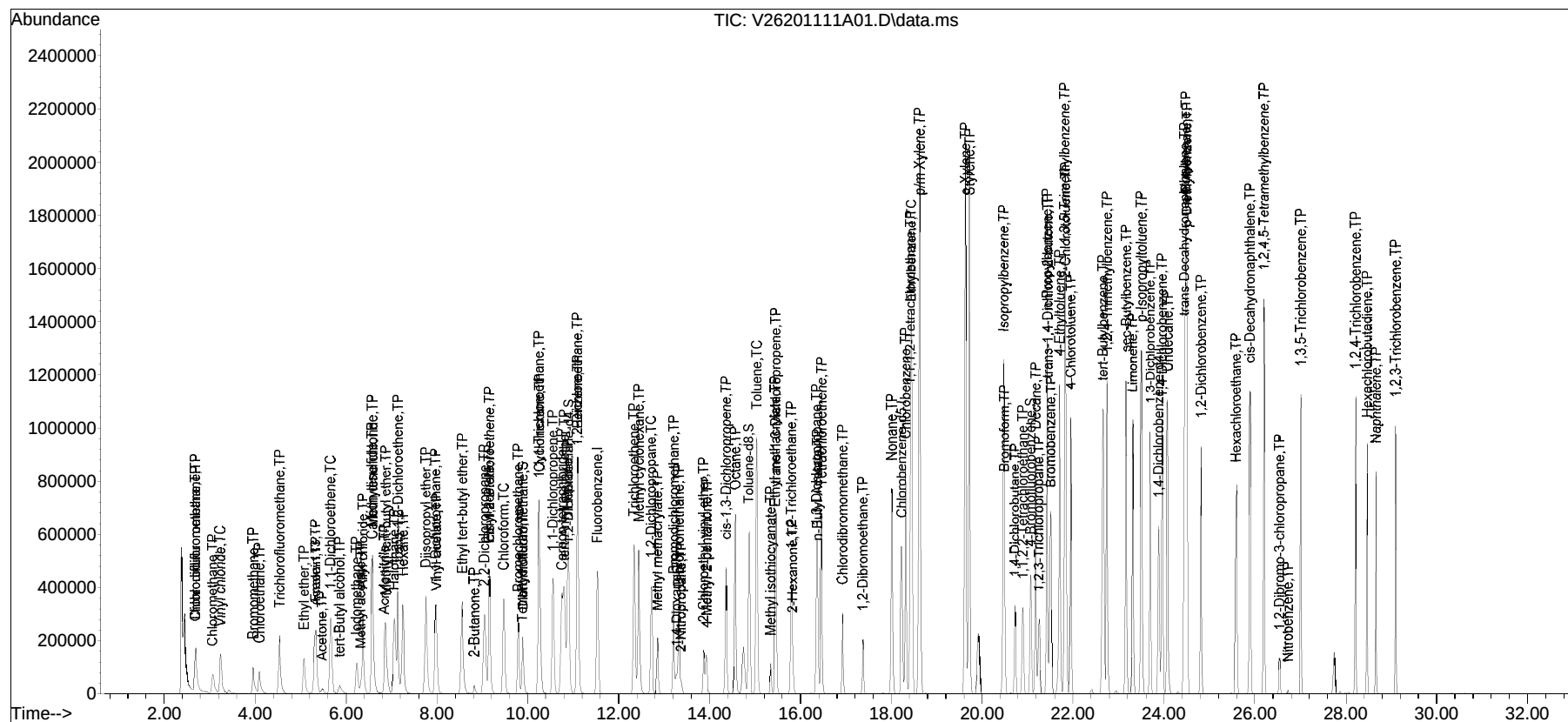
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
Data File : V26201111A01.D
Acq On : 11 Nov 2020 10:51 am
Operator : VOA126:MV
Sample : WG1433193-2
Misc : WG1433193,ICAL17233
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 17:03:21 2020
Response via : Initial Calibration

Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01111A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA126\2020\2Q	Method	: V126_201012N_8260Suff.m
Data File	: V26201111A01.D	Operator	: VOA126:MV
Date Inj'd	: 11/11/2020 10:51 am	Instrument	: VOA126
Sample	: WG1433193-2	Quant Date	: 11/11/2020 12:19 pm

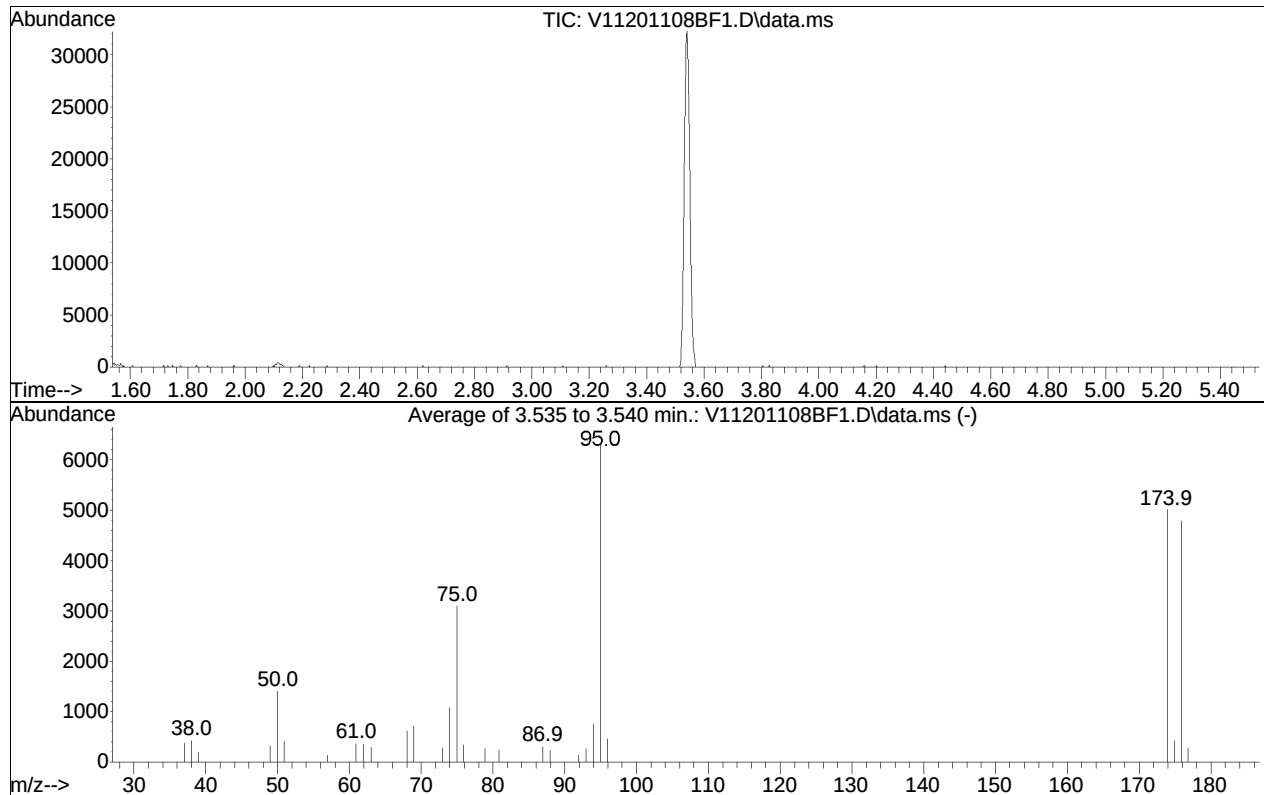
There are no manual integrations or false positives in this file.

BFB

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108BF1.D
 Acq On : 08 Nov 2020 12:56 pm
 Operator : VOA111:AD
 Sample : WG1431978-1
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Oct 29 12:26:02 2020



Spectrum Information: Average of 3.535 to 3.540 min.

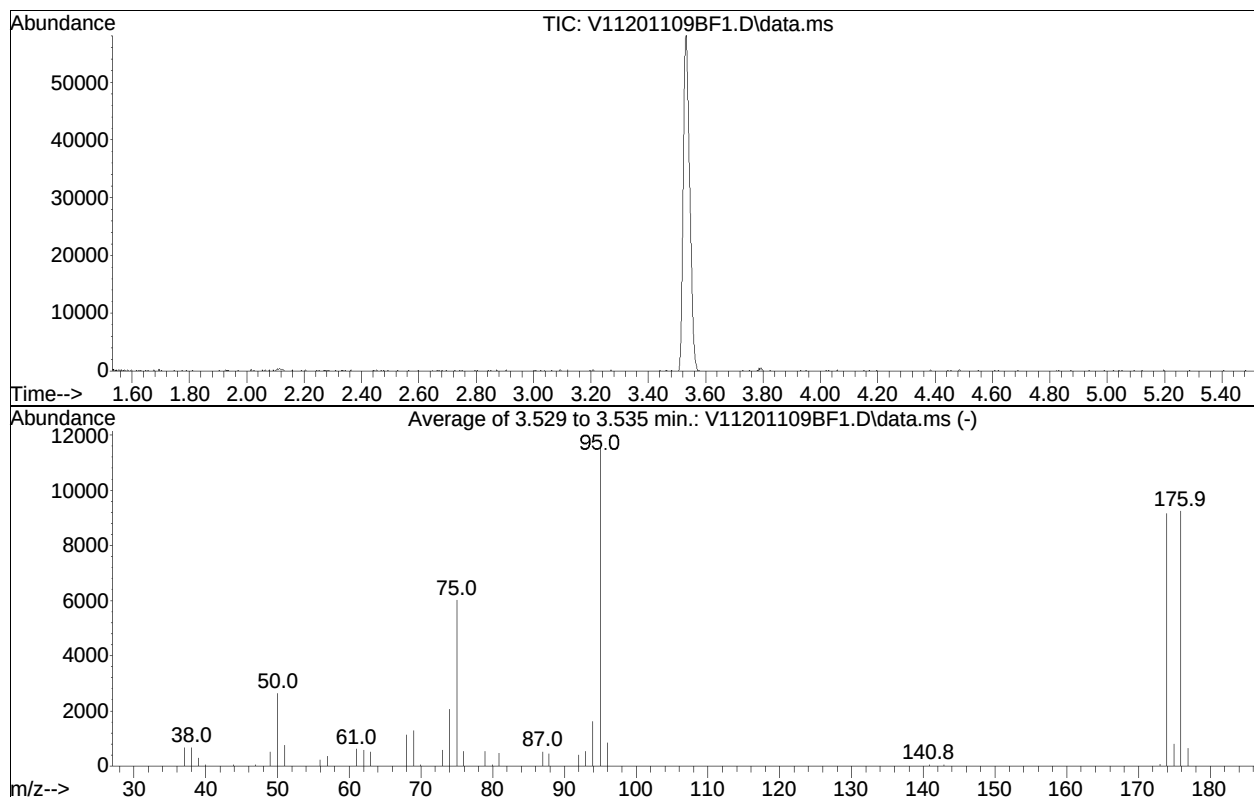
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	1403	PASS
75	95	30	60	48.9	3102	PASS
95	95	100	100	100.0	6342	PASS
96	95	5	9	7.3	464	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.0	5012	PASS
175	174	5	9	8.6	433	PASS
176	174	95	101	95.5	4785	PASS
177	176	5	9	5.9	283	PASS

BFB

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109BF1.D
 Acq On : 09 Nov 2020 04:48 pm
 Operator : VOA111:AD
 Sample : WG1432485-1
 Misc : WG1432485
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Oct 29 12:26:02 2020



AutoFind: Scans 804, 805, 806; Background Corrected with Scan 793

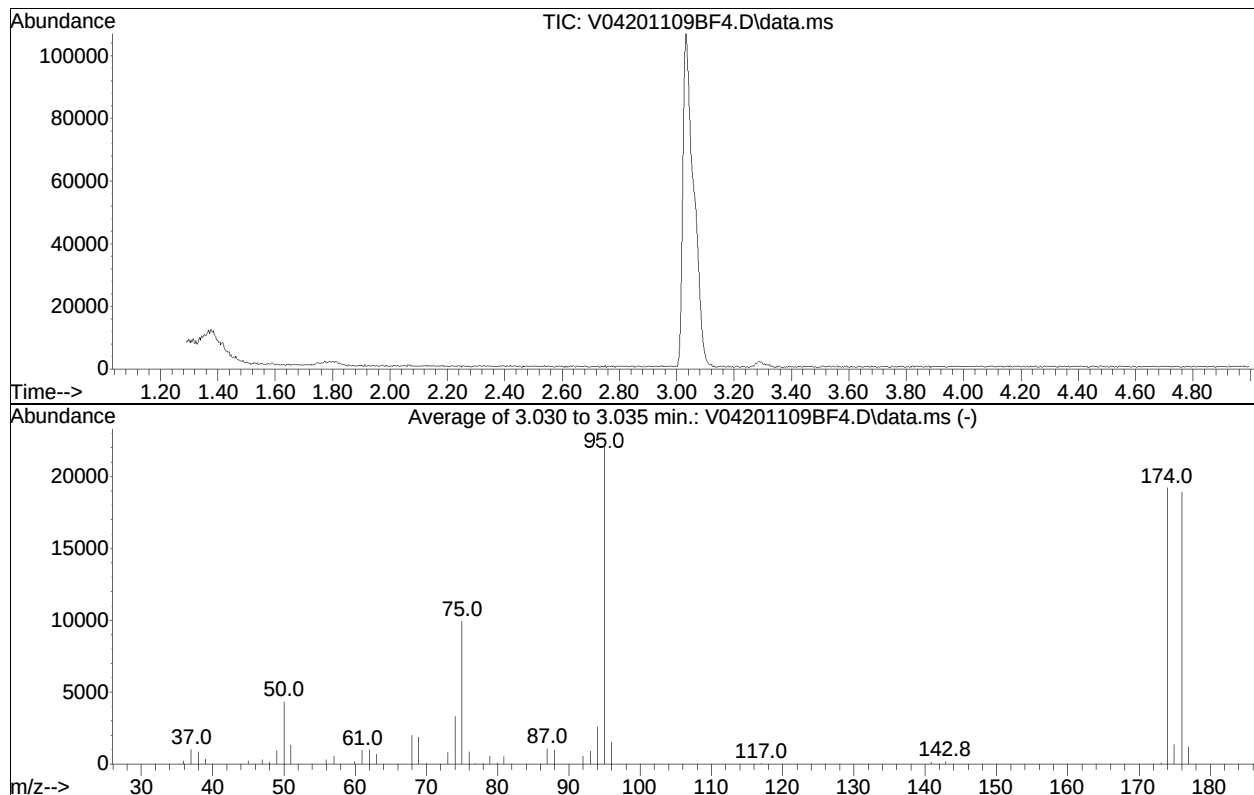
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	2642	PASS
75	95	30	60	51.9	6011	PASS
95	95	100	100	100.0	11580	PASS
96	95	5	9	7.4	858	PASS
173	174	0.00	2	0.8	76	PASS
174	95	50	100	79.1	9164	PASS
175	174	5	9	8.9	812	PASS
176	174	95	101	100.9	9250	PASS
177	176	5	9	7.0	649	PASS

BFB

Data Path : I:\VOLATILES\VOA104\2020\201109N\
Data File : V04201109BF4.D
Acq On : 9 Nov 2020 6:08 pm
Operator : VOA104:AD
Sample : WG1432466-1
Misc : WG1432466,ICAL16845
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jun 02 13:53:50 2020



Spectrum Information: Average of 3.030 to 3.035 min.

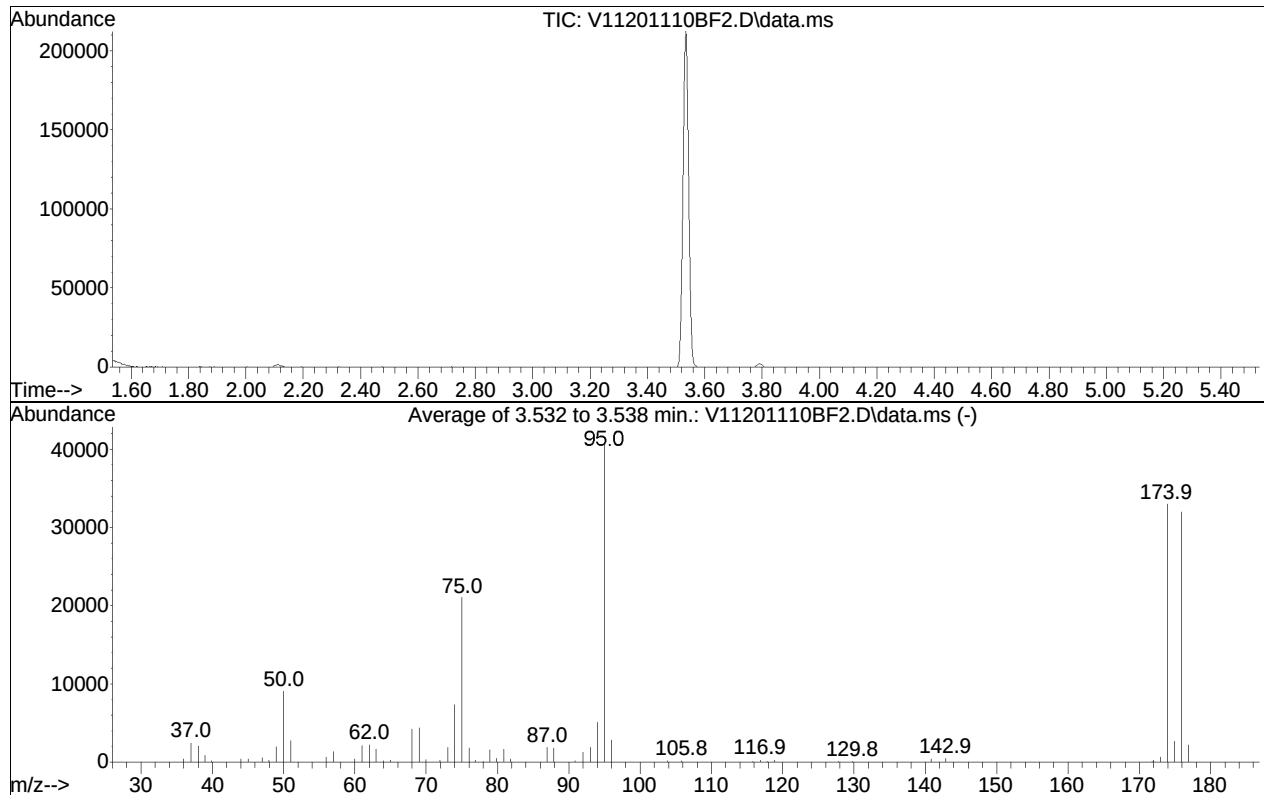
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	4355	PASS
75	95	30	60	44.7	9938	PASS
95	95	100	100	100.0	22211	PASS
96	95	5	9	6.9	1528	PASS
173	174	0.00	2	0.4	83	PASS
174	95	50	100	86.5	19216	PASS
175	174	5	9	7.2	1391	PASS
176	174	95	101	98.4	18901	PASS
177	176	5	9	6.3	1186	PASS

BFB

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110BF2.D
 Acq On : 10 Nov 2020 05:35 am
 Operator : VOA111:MV
 Sample : WG1432524-1
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Oct 29 12:26:02 2020



Spectrum Information: Average of 3.532 to 3.538 min.

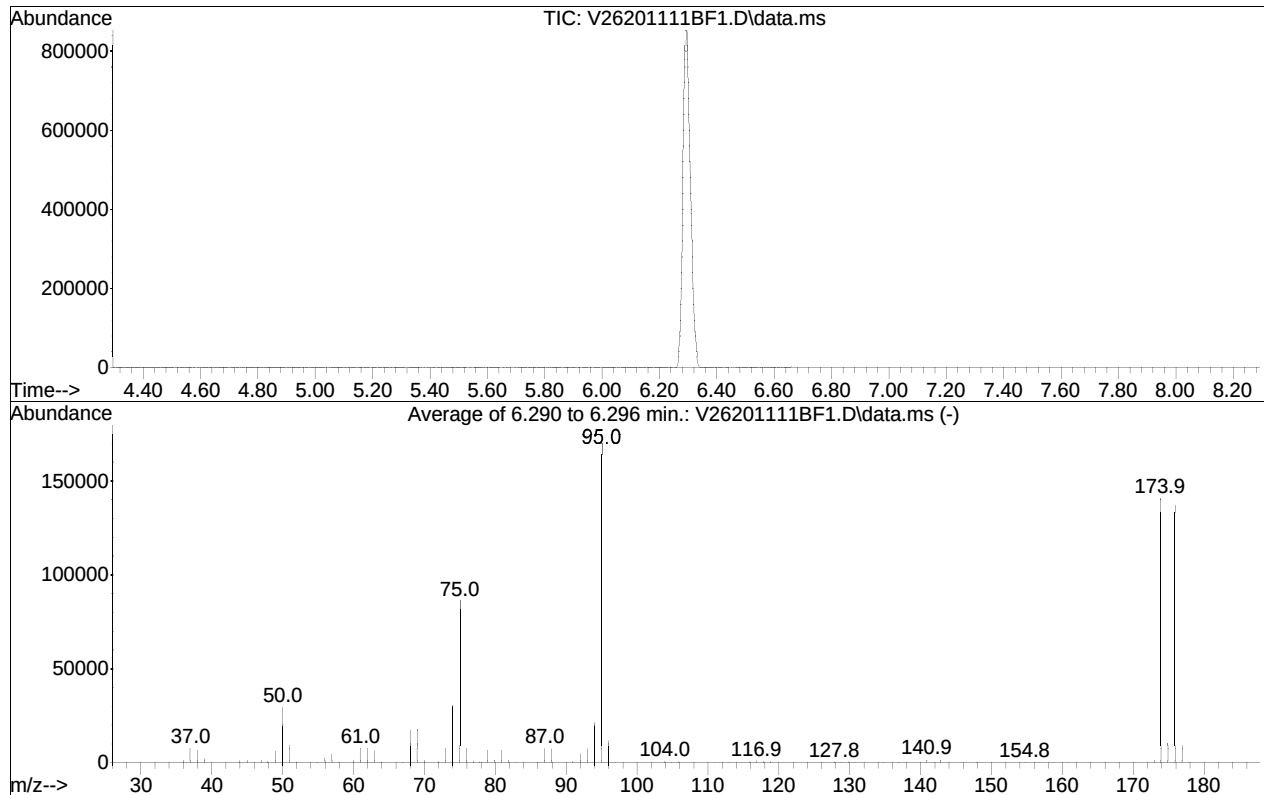
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	9030	PASS
75	95	30	60	51.5	21021	PASS
95	95	100	100	100.0	40829	PASS
96	95	5	9	6.9	2815	PASS
173	174	0.00	2	1.8	605	PASS
174	95	50	100	80.8	33005	PASS
175	174	5	9	7.9	2611	PASS
176	174	95	101	96.8	31963	PASS
177	176	5	9	6.9	2197	PASS

BFB

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111BF1.D
 Acq On : 11 Nov 2020 10:24 am
 Operator : VOA126:MV
 Sample : WG1433193-1
 Misc : WG1433193
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Oct 13 17:03:21 2020



AutoFind: Scans 2045, 2046, 2047; Background Corrected with Scan 2031

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	29507	PASS
75	95	30	60	50.5	86392	PASS
95	95	100	100	100.0	171093	PASS
96	95	5	9	6.9	11874	PASS
173	174	0.00	2	0.9	1241	PASS
174	95	50	100	82.3	140864	PASS
175	174	5	9	7.5	10508	PASS
176	174	95	101	97.2	136963	PASS
177	176	5	9	6.5	8900	PASS

Volatiles Raw QC Data

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A04.D
 Acq On : 08 Nov 2020 02:34 pm
 Operator : VOA111:AD
 Sample : WG1431978-5,31,5,5
 Misc : WG1431978,ICAL17294
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 18:45:58 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	90337	20.000	ug/L	0.00
Standard Area 1 = 95477			Recovery =	94.62%		
59) Chlorobenzene-d5	8.900	117	67521	20.000	ug/L	0.00
Standard Area 1 = 72006			Recovery =	93.77%		
79) 1,4-Dichlorobenzene-d4	11.737	152	30682	20.000	ug/L	0.00
Standard Area 1 = 38851			Recovery =	78.97%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	22548	19.587	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.93%		
43) 1,2-Dichloroethane-d4	5.162	65	22682	20.309	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.55%		
60) Toluene-d8	7.091	98	87158	20.049	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.25%		
83) 4-Bromofluorobenzene	10.452	95	27153	20.569	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.84%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
15) Methylene chloride	3.080	84	435	0.503	ug/L	71
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.		
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.		

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A04.D
 Acq On : 08 Nov 2020 02:34 pm
 Operator : VOA111:AD
 Sample : WG1431978-5,31,5,5
 Misc : WG1431978,ICAL17294
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 18:45:58 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-CurveSoil - 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.	
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.	

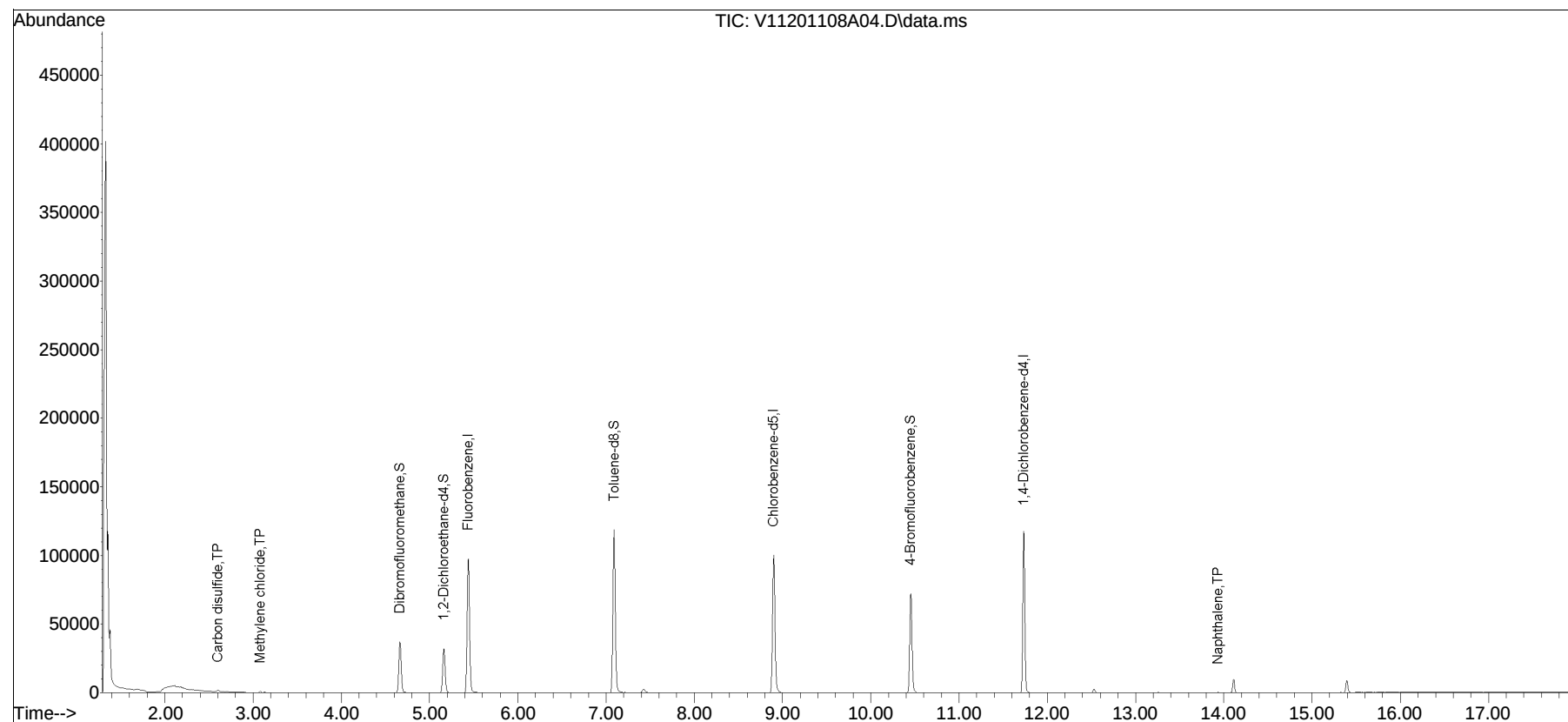
(#) = qualifier out of range (m) = manual integration (+) = signals summed

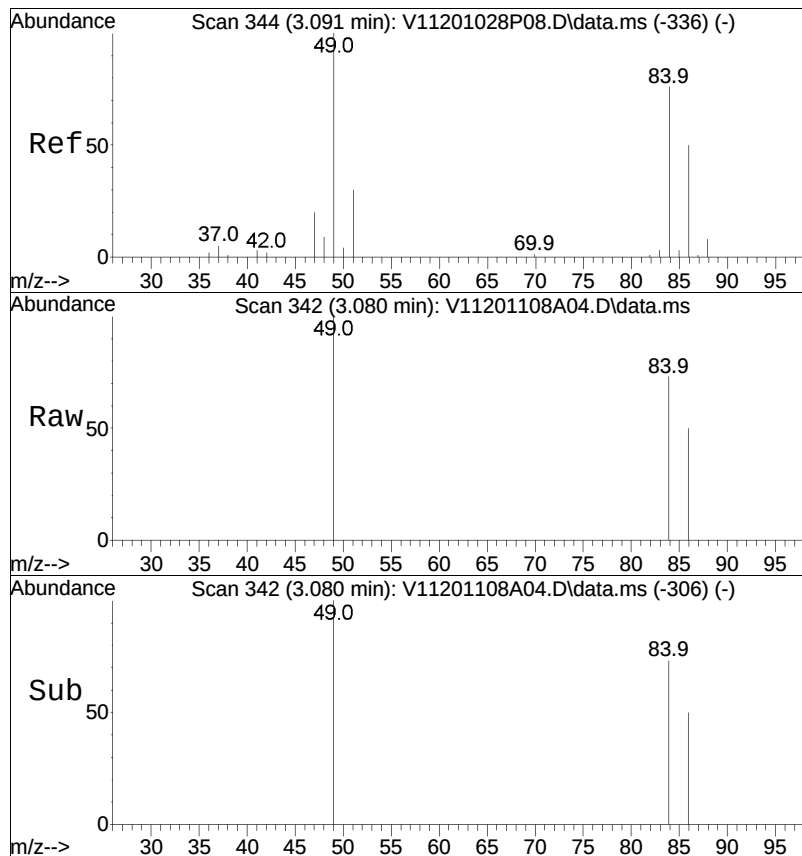
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A04.D
 Acq On : 08 Nov 2020 02:34 pm
 Operator : VOA111:AD
 Sample : WG1431978-5,31,5,5
 Misc : WG1431978,ICAL17294
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 18:45:58 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

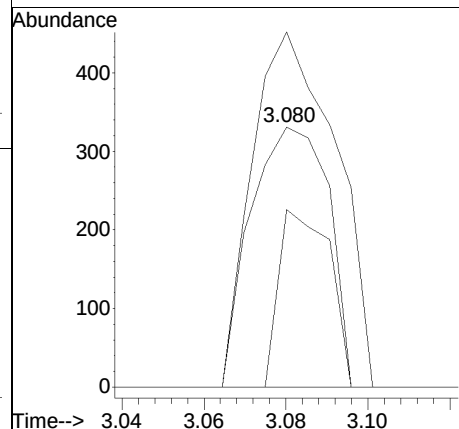
Sub List : 8260-CurveSoil - Megamix plus Diox8A\V11201108A01.D•





#15
Methylene chloride
Concen: 0.50 ug/L
RT: 3.080 min Scan# 342
Delta R.T. -0.011 min
Lab File: V11201108A04.D
Acq: 08 Nov 2020 02:34 pm

Tgt Ion:	84	Resp:	435
Ion Ratio	Lower	Upper	
84	100		
86	44.6	41.1	85.3
49	146.9	124.2	258.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\20	Method	: V111_201028P_8260.m
Data File	: V11201108A04.D	Operator	: VOA111:AD
Date Inj'd	: 11/8/2020 2:34 pm	Instrument	: VOA111
Sample	: WG1431978-5,31,5,5	Quant Date	: 11/8/2020 6:45 pm

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

Quantitation Report (LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N04.D
 Acq On : 09 Nov 2020 06:27 pm
 Operator : VOA111:AD
 Sample : WG1432485-5,31H,15,15,0.100
 Misc : WG1432485,ICAL17294
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 09 18:49:41 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	89845	20.000	ug/L	0.00
Standard Area 1 = 96332			Recovery =	93.27%		
59) Chlorobenzene-d5	8.900	117	67722	20.000	ug/L	0.00
Standard Area 1 = 75779			Recovery =	89.37%		
79) 1,4-Dichlorobenzene-d4	11.737	152	31059	20.000	ug/L	0.00
Standard Area 1 = 40395			Recovery =	76.89%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	21994	19.210	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	96.05%		
43) 1,2-Dichloroethane-d4	5.162	65	22550	20.301	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.51%		
60) Toluene-d8	7.091	98	86234	19.777	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.89%		
83) 4-Bromofluorobenzene	10.452	95	27730	20.751	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.76%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	3.080	84	681	0.791	ug/L	79
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. d	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		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	0.000		0		N.D.	

Quantitation Report (LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N04.D
 Acq On : 09 Nov 2020 06:27 pm
 Operator : VOA111:AD
 Sample : WG1432485-5,31H,15,15,0.100
 Misc : WG1432485,ICAL17294
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 09 18:49:41 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-CurveSoil - 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.	
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.	

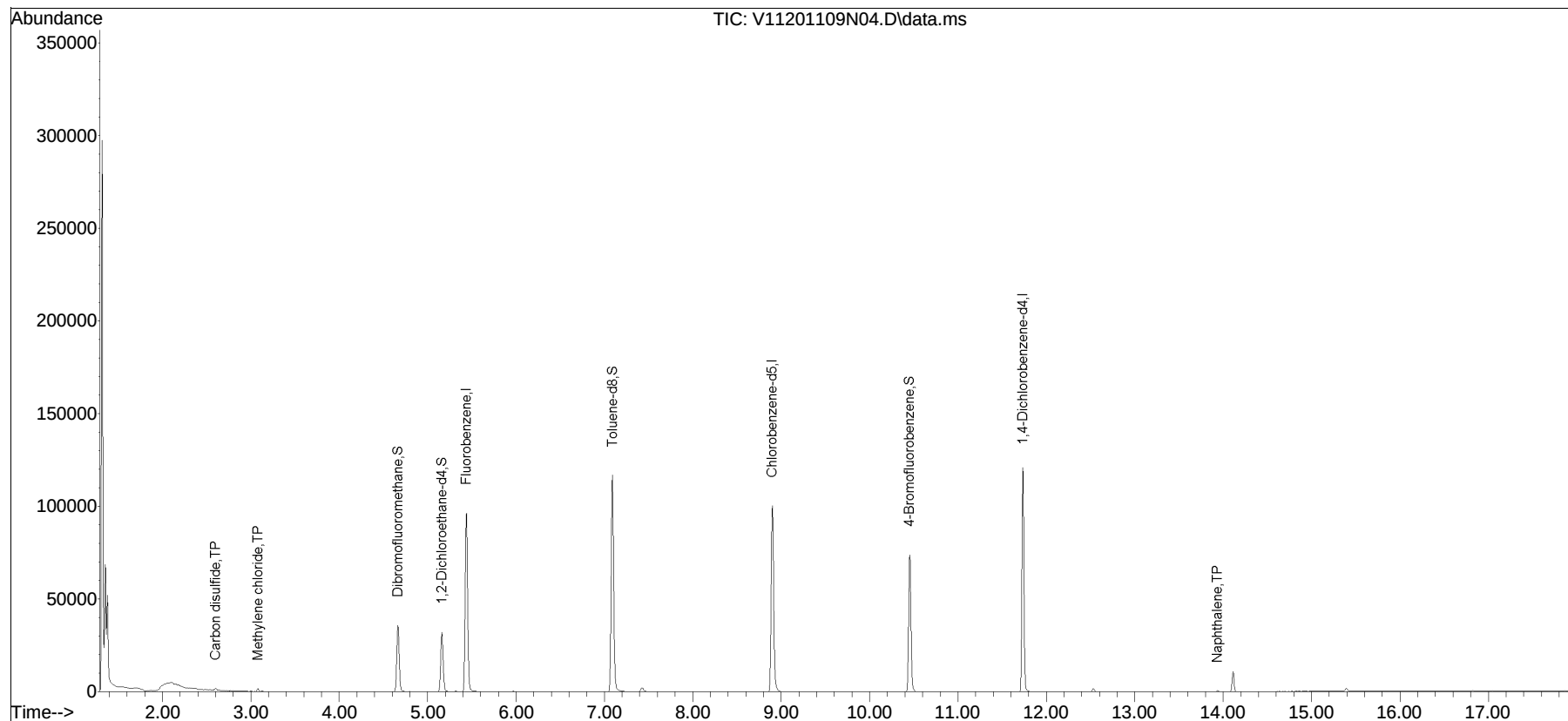
(#) = qualifier out of range (m) = manual integration (+) = signals summed

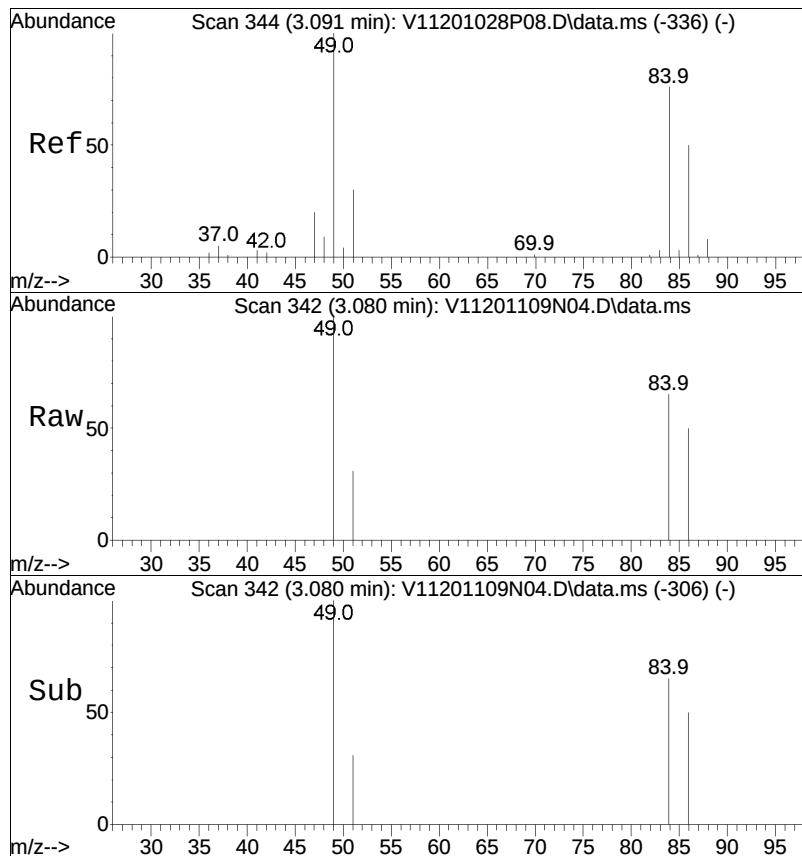
Quantitation Report (LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N04.D
 Acq On : 09 Nov 2020 06:27 pm
 Operator : VOA111:AD
 Sample : WG1432485-5,31H,15,15,0.100
 Misc : WG1432485,ICAL17294
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 09 18:49:41 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

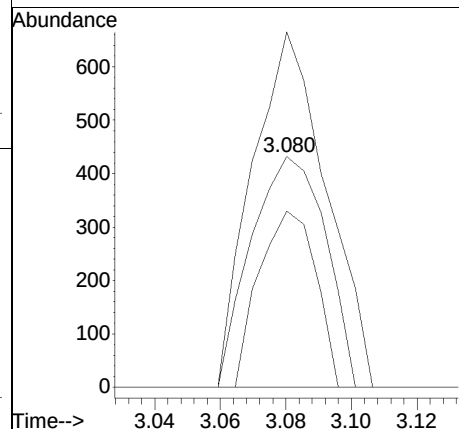
Sub List : 8260-CurveSoil - Megamix plus Diox9N\V11201109N01.D•





#15
 Methylene chloride
 Concen: 0.79 ug/L
 RT: 3.080 min Scan# 342
 Delta R.T. -0.011 min
 Lab File: V11201109N04.D
 Acq: 09 Nov 2020 06:27 pm

Tgt	Ion	Ratio	Lower	Upper
84	100			
86	58.3	41.1	85.3	
49	153.2	124.2	258.0	



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201109N04.D Operator : VOA111:AD
Date Inj'd : 11/9/2020 6:27 pm Instrument : VOA111
Sample : WG1432485-5,31H,15,15,0.10Quant Date : 11/9/2020 6:48 pm

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

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N04.D
 Acq On : 9 Nov 2020 7:49 pm
 Operator : VOA104:AD
 Sample : WG1432466-5,31,5,5
 Misc : WG1432466,ICAL16845
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 08:49:39 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.618	96	176559	20.000	ug/L	-0.01
Standard Area 1 = 179103			Recovery =	98.58%		
59) Chlorobenzene-d5	9.104	117	128374	20.000	ug/L	0.00
Standard Area 1 = 129054			Recovery =	99.47%		
79) 1,4-Dichlorobenzene-d4	11.894	152	66828	20.000	ug/L	0.00
Standard Area 1 = 65943			Recovery =	101.34%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.842	113	42440	16.663	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	83.32%		
43) 1,2-Dichloroethane-d4	5.350	65	38555	18.300	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	91.50%		
60) Toluene-d8	7.280	98	170098	19.946	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.73%		
83) 4-Bromofluorobenzene	10.646	95	60159	19.717	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.58%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
15) Methylene chloride	3.222	84	2218	0.856	ug/L	96
17) Acetone	3.279	43	1126	Below Cal	#	46
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	3.311	73	100	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.	d	
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
61) Toluene	7.348	92	128	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.183	91	275	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N04.D
 Acq On : 9 Nov 2020 7:49 pm
 Operator : VOA104:AD
 Sample : WG1432466-5,31,5,5
 Misc : WG1432466,ICAL16845
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 08:49:39 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	p/m Xylene	9.377	106	54	N.D.		
77)	o Xylene	0.000		0	N.D.		
85)	n-Propylbenzene	10.819	91	1113	N.D.		
90)	1,3,5-Trimethylbenzene	11.050	105	1005	0.105	ug/L #	83
94)	tert-Butylbenzene	11.390	119	728	N.D.		
97)	1,2,4-Trimethylbenzene	11.485	105	1458	0.153	ug/L	96
98)	sec-Butylbenzene	11.590	105	1635	0.137	ug/L	87
100)	1,3-Dichlorobenzene	11.826	146	535	N.D.		
101)	1,4-Dichlorobenzene	11.909	146	820	0.138	ug/L #	46
103)	n-Butylbenzene	12.193	91	3095	0.336	ug/L #	92
104)	1,2-Dichlorobenzene	12.350	146	539	0.102	ug/L #	85

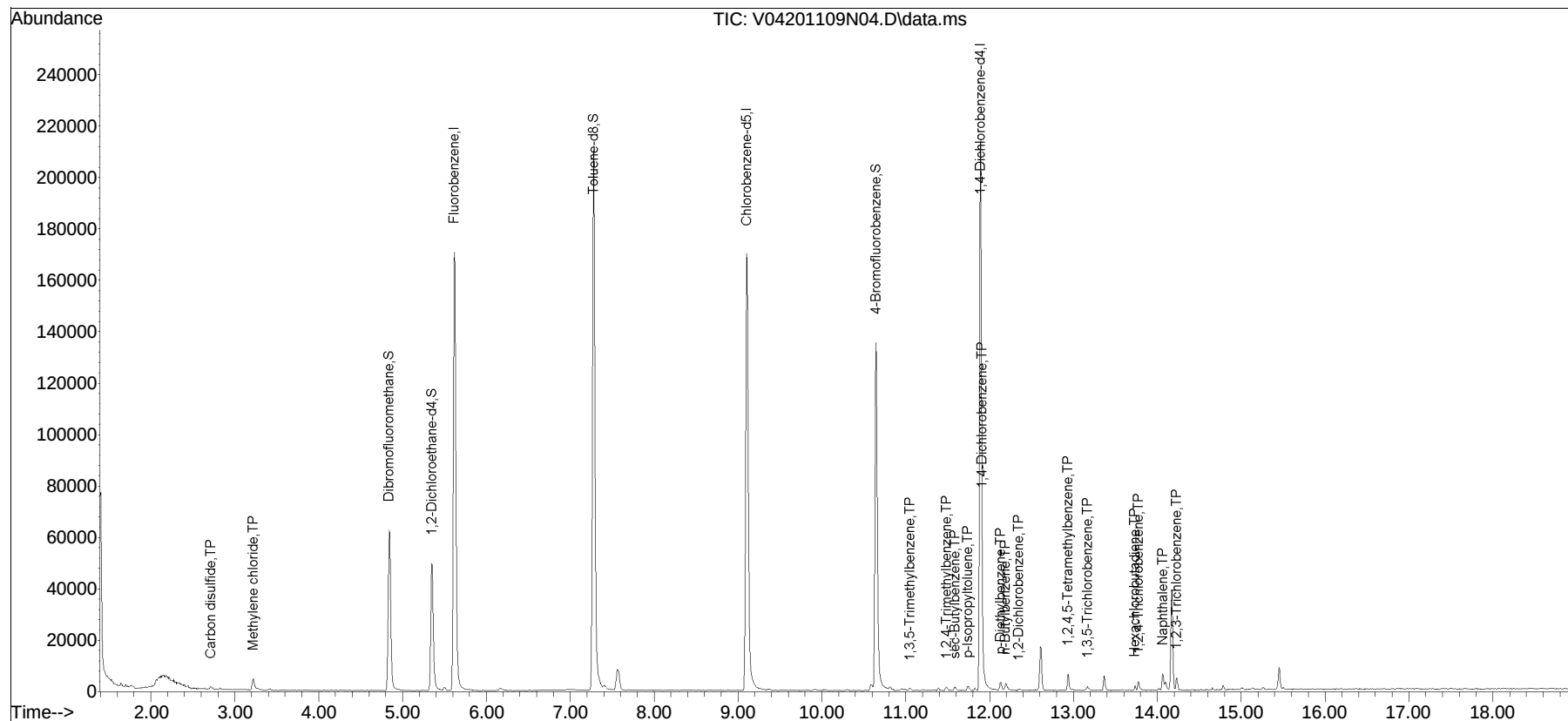
(#) = qualifier out of range (m) = manual integration (+) = signals summed

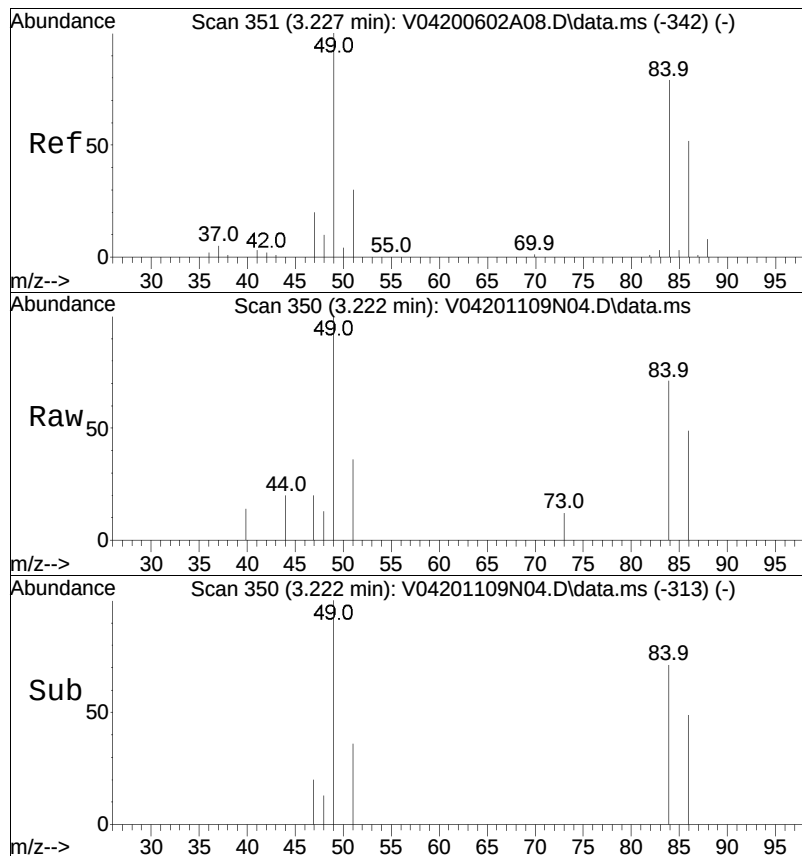
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N04.D
 Acq On : 9 Nov 2020 7:49 pm
 Operator : VOA104:AD
 Sample : WG1432466-5,31,5,5
 Misc : WG1432466,ICAL16845
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 08:49:39 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

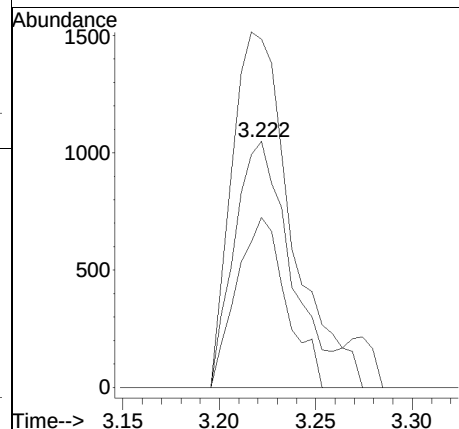
Sub List : 8260-CurveSoil - Megamix plus Diox9N\V04201109N01.D•

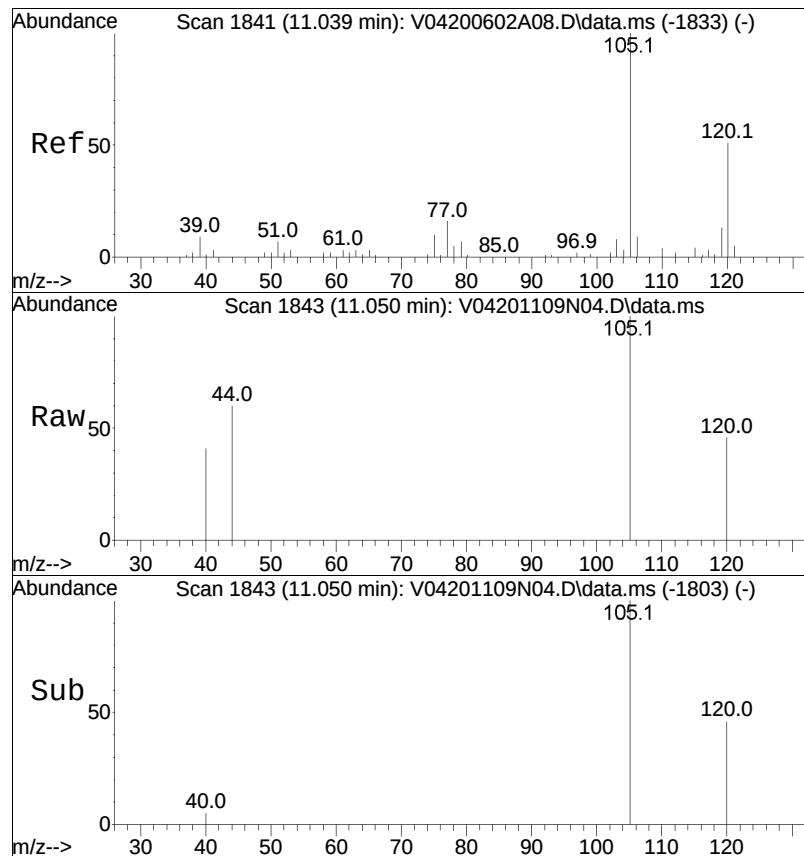




#15
Methylene chloride
Concen: 0.86 ug/L
RT: 3.222 min Scan# 350
Delta R.T. -0.005 min
Lab File: V04201109N04.D
Acq: 9 Nov 2020 7:49 pm

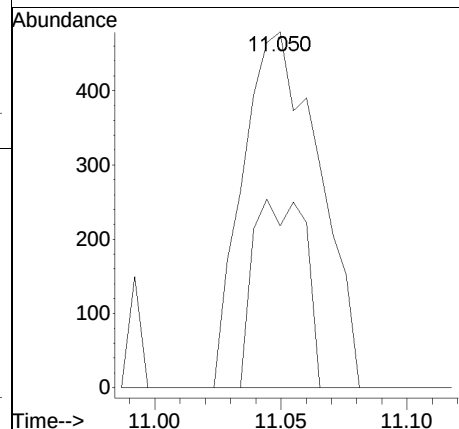
Tgt	Ion: 84	Resp:	2218
Ion	Ratio	Lower	Upper
84	100		
86	58.8	41.3	85.9
49	144.3	91.0	189.0

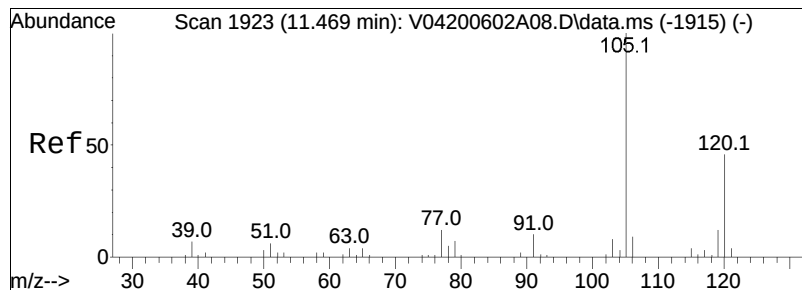




#90
 1,3,5-Trimethylbenzene
 Concen: 0.10 ug/L
 RT: 11.050 min Scan# 1843
 Delta R.T. 0.011 min
 Lab File: V04201109N04.D
 Acq: 9 Nov 2020 7:49 pm

Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	36.2			38.4	57.6#





#97

1,2,4-Trimethylbenzene

Concen: 0.15 ug/L

RT: 11.485 min Scan# 1926

Delta R.T. 0.016 min

Lab File: V04201109N04.D

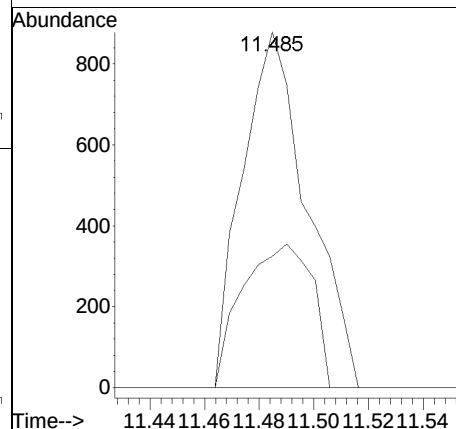
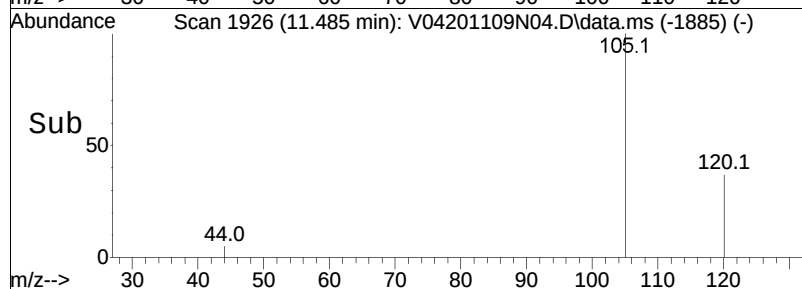
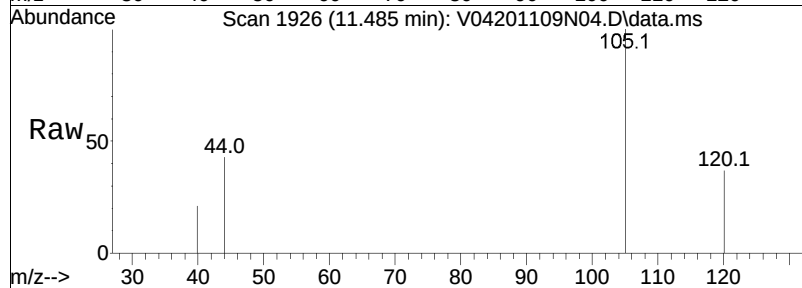
Acq: 9 Nov 2020 7:49 pm

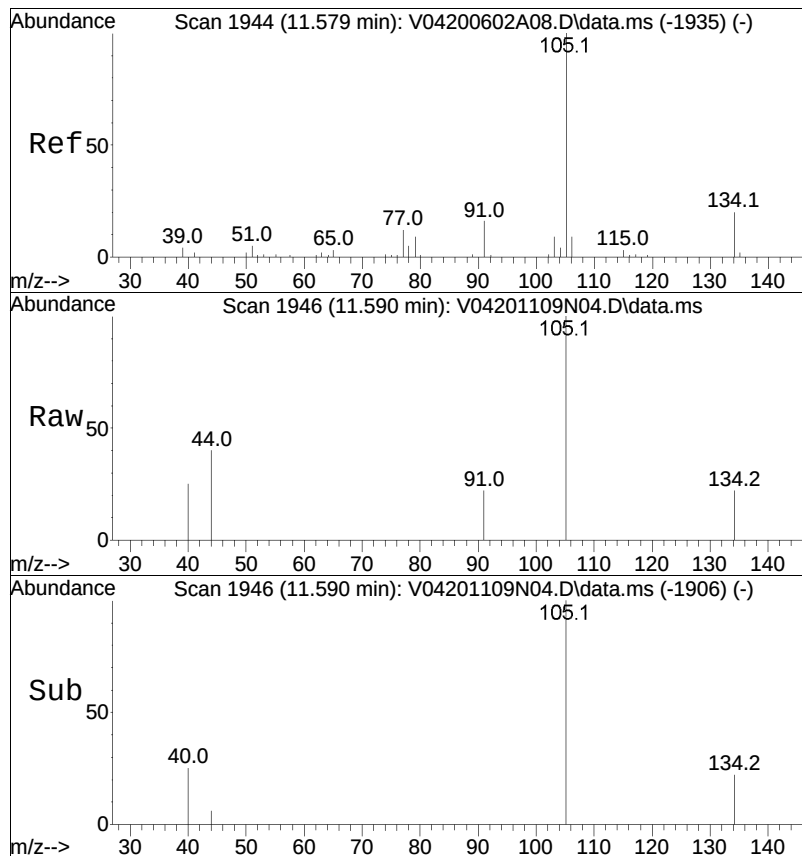
Tgt Ion:105 Resp: 1458

Ion Ratio Lower Upper

105 100

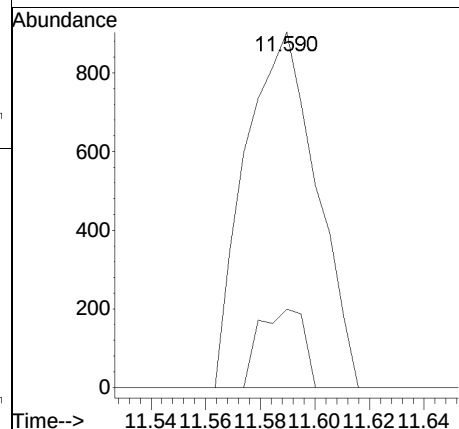
120 43.1 36.4 54.6

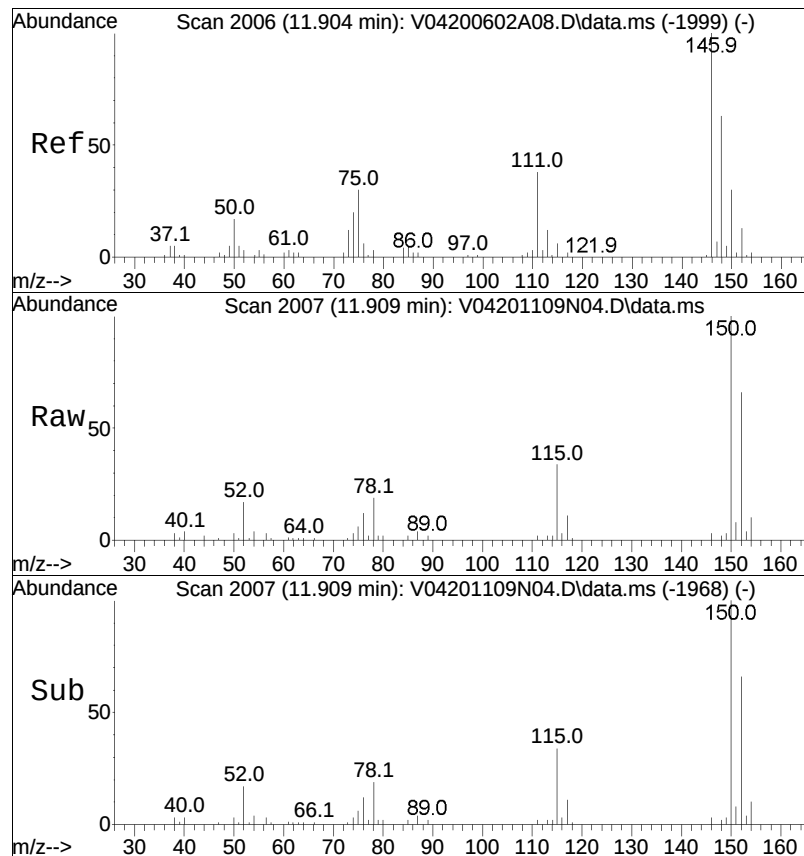




#98
 sec-Butylbenzene
 Concen: 0.14 ug/L
 RT: 11.590 min Scan# 1946
 Delta R.T. 0.011 min
 Lab File: V04201109N04.D
 Acq: 9 Nov 2020 7:49 pm

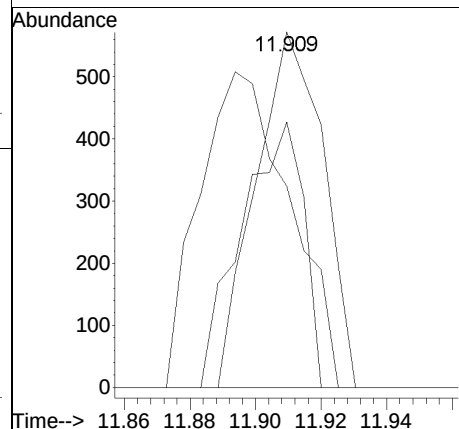
Tgt Ion	105	134	Ratio	100	13.8	Resp	1635	Lower	12.9	Upper	26.9
105	100										
134		13.8									

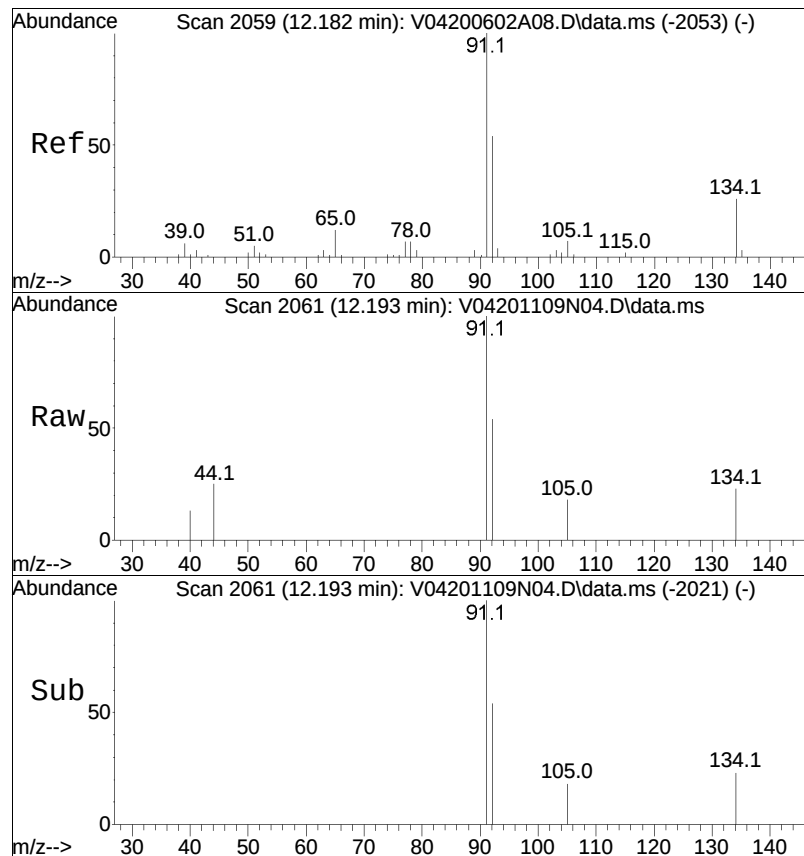




#101
 1,4-Dichlorobenzene
 Concen: 0.14 ug/L
 RT: 11.909 min Scan# 2007
 Delta R.T. 0.005 min
 Lab File: V04201109N04.D
 Acq: 9 Nov 2020 7:49 pm

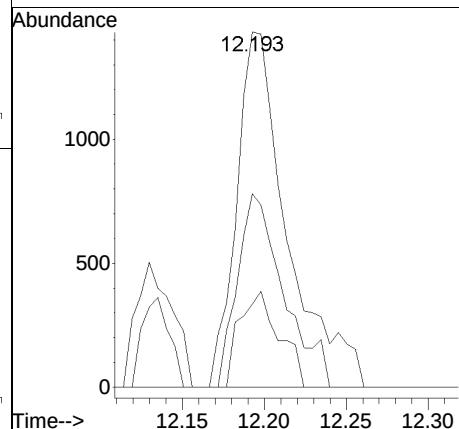
Tgt Ion	Ratio	Lower	Upper
146	100		
111	118.2	30.2	45.2#
148	68.8	50.6	76.0

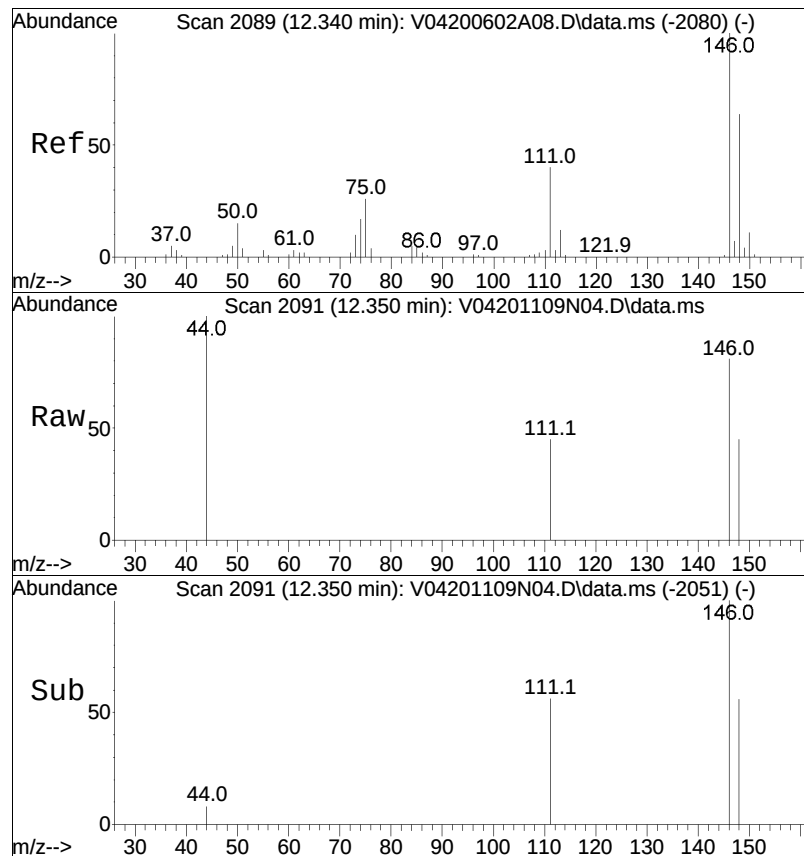




#103
 n-Butylbenzene
 Concen: 0.34 ug/L
 RT: 12.193 min Scan# 2061
 Delta R.T. 0.011 min
 Lab File: V04201109N04.D
 Acq: 9 Nov 2020 7:49 pm

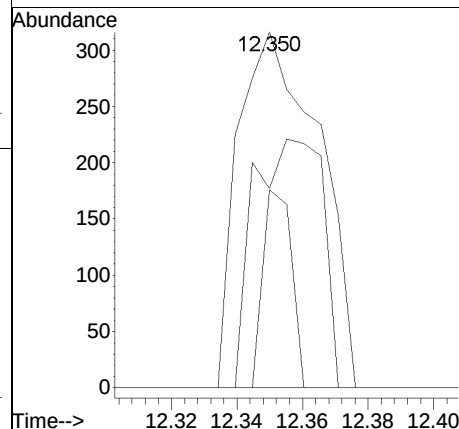
Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.6	43.4	65.2
134	21.2	21.5	32.3#





#104
 1,2-Dichlorobenzene
 Concen: 0.10 ug/L
 RT: 12.350 min Scan# 2091
 Delta R.T. 0.010 min
 Lab File: V04201109N04.D
 Acq: 9 Nov 2020 7:49 pm

Tgt Ion:	146	Resp:	539
Ion Ratio	Lower	Upper	
146	100		
111	19.9	25.5	52.9#
148	59.6	40.8	84.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\20	Method	: V104_200602B_8260.m
Data File	: V04201109N04.D	Operator	: VOA104:AD
Date Inj'd	: 11/9/2020 7:49 pm	Instrument	: VOA 104
Sample	: WG1432466-5,31,5,5	Quant Date	: 11/9/2020 8:37 pm

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

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A04.D
 Acq On : 10 Nov 2020 07:10 am
 Operator : VOA111:MV
 Sample : WG1432524-5,31h,15,15,0.1
 Misc : WG1432524,ICAL17294
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 07:53:33 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	85498	20.000	ug/L	0.00
Standard Area 1 = 93534			Recovery =	91.41%		
59) Chlorobenzene-d5	8.900	117	64708	20.000	ug/L	0.00
Standard Area 1 = 73363			Recovery =	88.20%		
79) 1,4-Dichlorobenzene-d4	11.737	152	29644	20.000	ug/L	0.00
Standard Area 1 = 39230			Recovery =	75.56%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	21784	19.994	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.97%		
43) 1,2-Dichloroethane-d4	5.162	65	22205	21.007	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	105.04%		
60) Toluene-d8	7.091	98	82614	19.830	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.15%		
83) 4-Bromofluorobenzene	10.452	95	26876	21.072	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	105.36%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	3.075	84	153	0.187	ug/L #	72
17) Acetone	3.127	43	255	Below Cal	#	49
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.	
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.	

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A04.D
 Acq On : 10 Nov 2020 07:10 am
 Operator : VOA111:MV
 Sample : WG1432524-5,31h,15,15,0.1
 Misc : WG1432524,ICAL17294
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 07:53:33 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
 Sub List : 8260-CurveSoil - 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.	
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.	

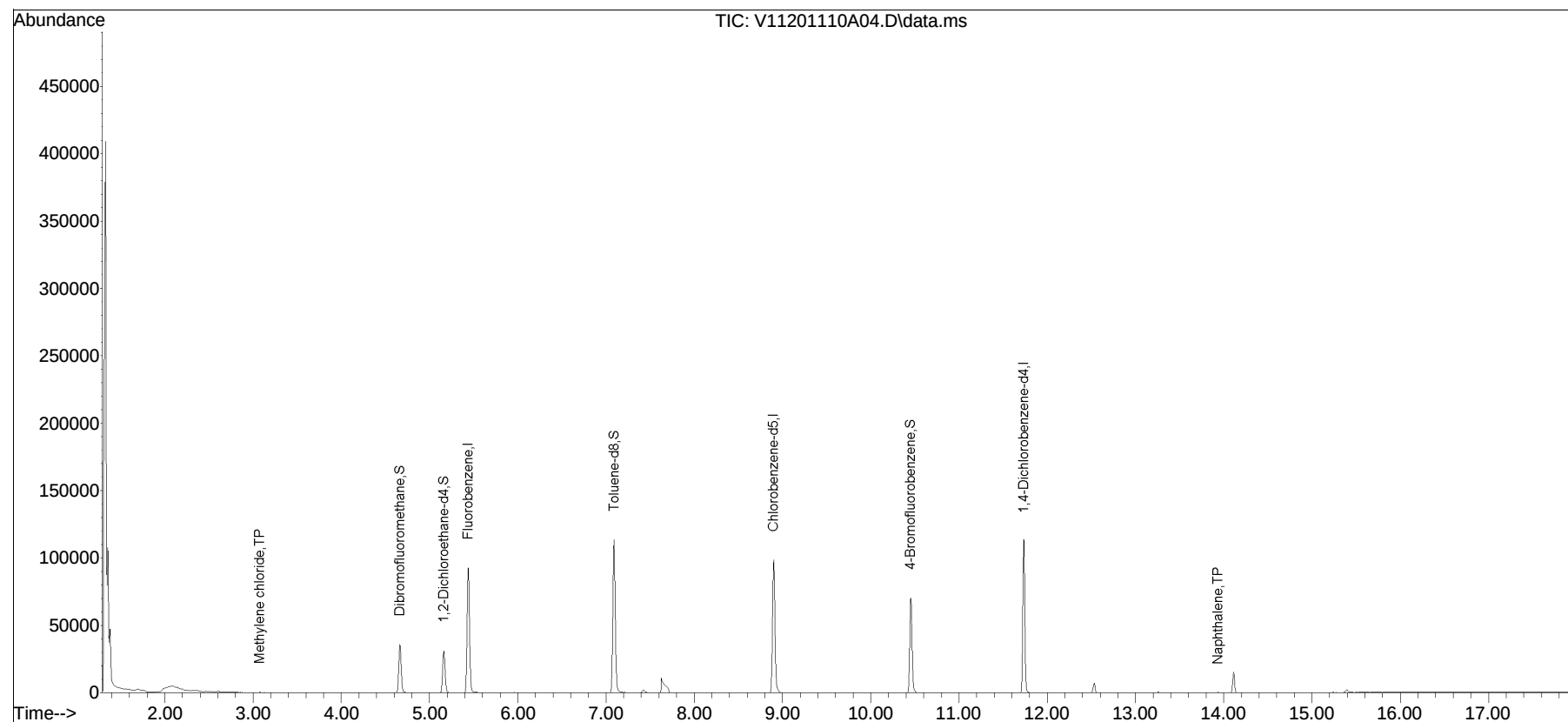
(#) = qualifier out of range (m) = manual integration (+) = signals summed

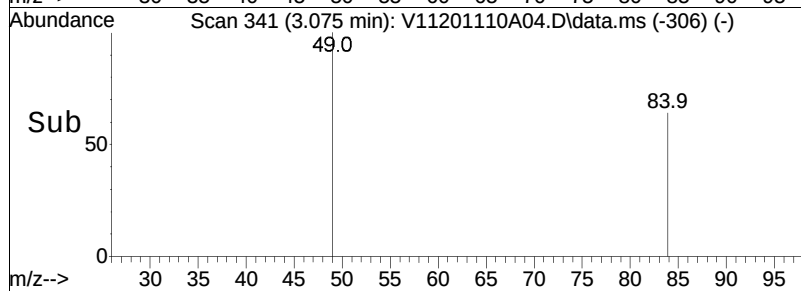
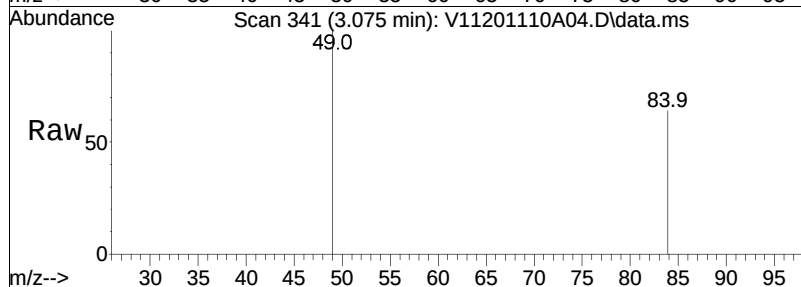
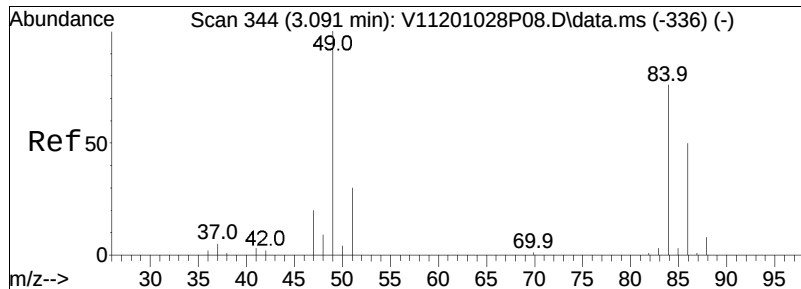
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A04.D
 Acq On : 10 Nov 2020 07:10 am
 Operator : VOA111:MV
 Sample : WG1432524-5, 31h, 15, 15, 0.1
 Misc : WG1432524, ICAL17294
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 07:53:33 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V11201110A01.D•





#15

Methylene chloride

Concen: 0.19 ug/L

RT: 3.075 min Scan# 341

Delta R.T. -0.016 min

Lab File: V11201110A04.D

Acq: 10 Nov 2020 07:10 am

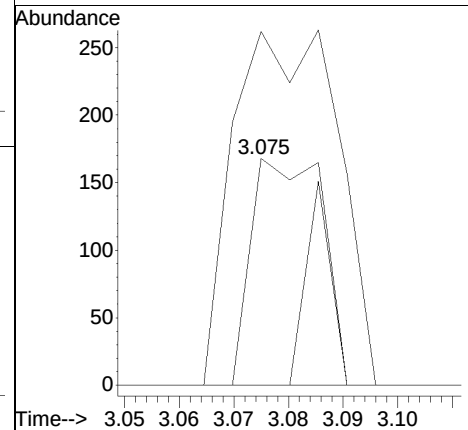
Tgt Ion: 84 Resp: 153

Ion Ratio Lower Upper

84 100

86 31.4 41.1 85.3#

49 226.1 124.2 258.0



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201110A04.D Operator : VOA111:MV
Date Inj'd : 11/10/2020 7:10 am Instrument : VOA111
Sample : WG1432524-5,31h,15,15,0.1 Quant Date : 11/10/2020 7:50 am

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

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A04.D
 Acq On : 11 Nov 2020 12:49 pm
 Operator : VOA126:KJD
 Sample : WG1433193-5,31,5,5
 Misc : WG1433193,ICAL17233
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 14:26:55 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.536	96	637054	20.000	ug/L	0.00
Standard Area 1 = 649332			Recovery	=	98.11%	
63) Chlorobenzene-d5	18.237	117	474086	20.000	ug/L	0.00
Standard Area 1 = 479872			Recovery	=	98.79%	
88) 1,4-Dichlorobenzene-d4	23.887	152	236203	20.000	ug/L	0.00
Standard Area 1 = 248168			Recovery	=	95.18%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.901	113	154628	18.522	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	92.61%	
47) 1,2-Dichloroethane-d4	10.903	65	140912	19.661	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	98.31%	
65) Toluene-d8	14.874	98	621944	20.655	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	103.28%	
92) 4-Bromofluorobenzene	21.070	95	217071	20.681	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	103.41%	
Target Compounds						
						Qvalue
5) Vinyl chloride	0.000		0	N.D.		
11) 1,1-Dichloroethene	0.000		0	N.D.		
17) Methylene chloride	6.588	84	6406	0.907	ug/L	81
19) Acetone	0.000		0	N.D.	d	
20) trans-1,2-Dichloroethene	0.000		0	N.D.		
23) Methyl tert-butyl ether	0.000		0	N.D.		
26) 1,1-Dichloroethane	0.000		0	N.D.		
31) cis-1,2-Dichloroethene	0.000		0	N.D.		
35) Chloroform	9.489	83	157	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	8.828	43	308	Below Cal	#	85
45) Benzene	0.000		0	N.D.	d	
48) 1,2-Dichloroethane	11.092	62	228	N.D.		
52) Trichloroethene	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
66) Toluene	15.044	92	1243	N.D.		
68) Tetrachloroethene	16.474	166	26	N.D.		
82) Chlorobenzene	18.318	112	624	N.D.		
83) Ethylbenzene	18.449	91	1650	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A04.D
 Acq On : 11 Nov 2020 12:49 pm
 Operator : VOA126:KJD
 Sample : WG1433193-5,31,5,5
 Misc : WG1433193,ICAL17233
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 14:26:55 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
85)	p/m Xylene	18.633	106	1276		N.D.	
86)	o Xylene	19.634	106	981		N.D.	
95)	n-Propylbenzene	21.424	91	1645		N.D.	
100)	1,3,5-Trimethylbenzene	21.812	105	2012		N.D.	
104)	tert-Butylbenzene	22.662	119	418		N.D.	
107)	1,2,4-Trimethylbenzene	22.738	105	2009		N.D.	
109)	sec-Butylbenzene	23.173	105	1480		N.D.	
111)	1,3-Dichlorobenzene	23.705	146	1370		N.D.	
112)	1,4-Dichlorobenzene	23.962	146	2285	0.147	ug/L	88
116)	n-Butylbenzene	24.483	91	2517		N.D.	
118)	1,2-Dichlorobenzene	24.812	146	1714	0.120	ug/L #	50

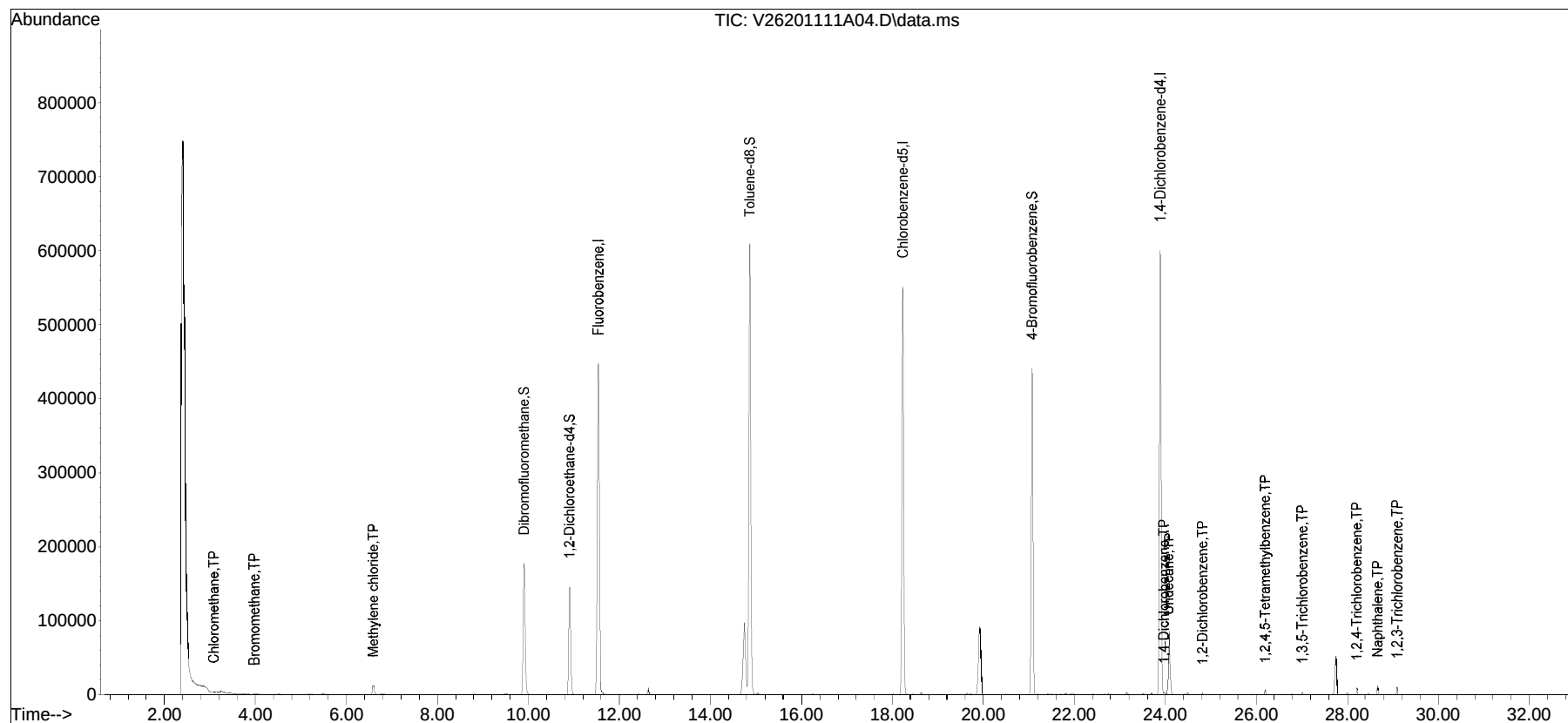
(#) = qualifier out of range (m) = manual integration (+) = signals summed

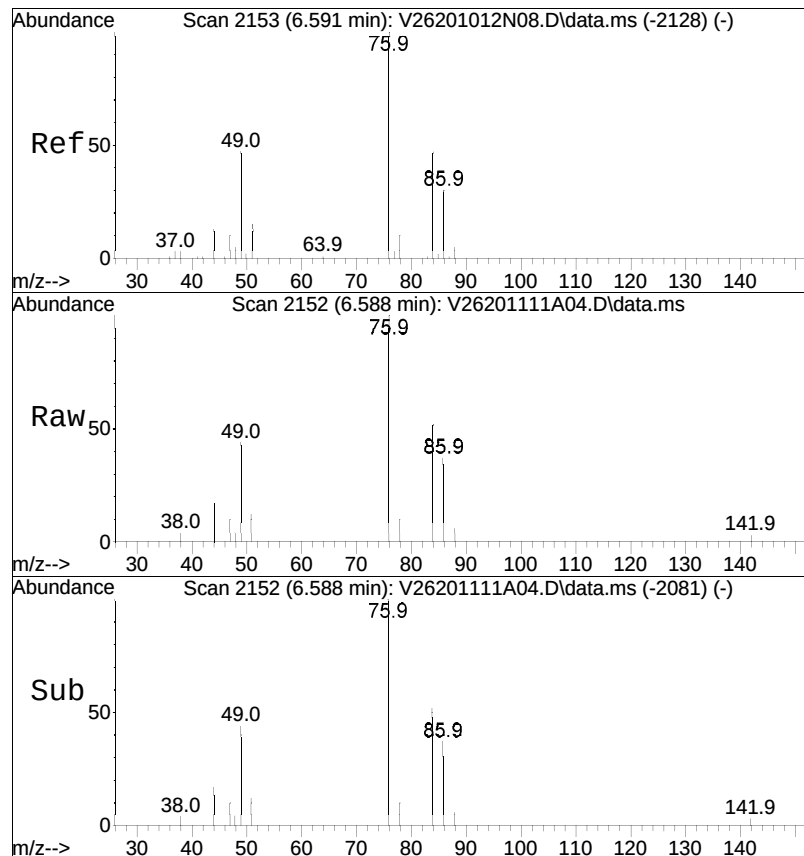
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A04.D
 Acq On : 11 Nov 2020 12:49 pm
 Operator : VOA126:KJD
 Sample : WG1433193-5,31,5,5
 Misc : WG1433193,ICAL17233
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 14:26:55 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

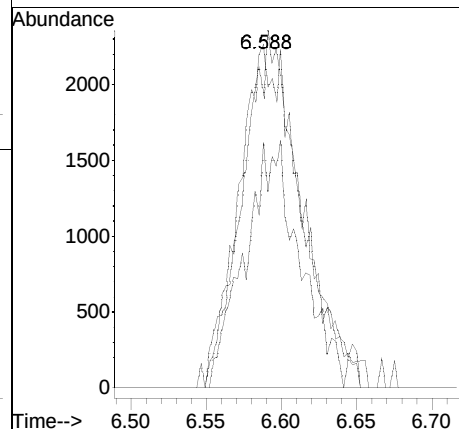
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01111A01.D•

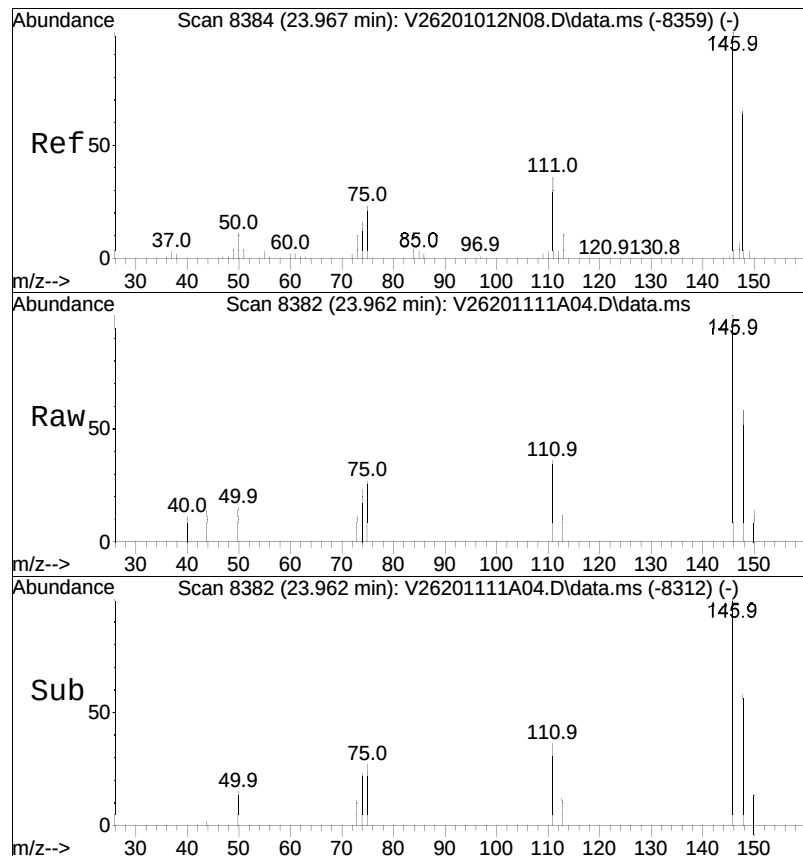




#17
Methylene chloride
Concen: 0.91 ug/L
RT: 6.588 min Scan# 2152
Delta R.T. -0.003 min
Lab File: V26201111A04.D
Acq: 11 Nov 2020 12:49 pm

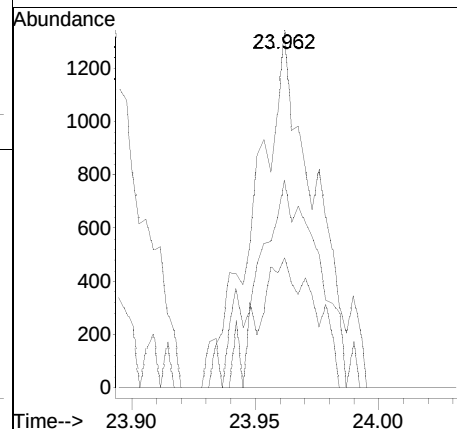
Tgt Ion:	84	Resp:	6406
Ion Ratio	Lower	Upper	
84	100		
86	64.5	41.9	87.1
49	102.0	88.1	183.1

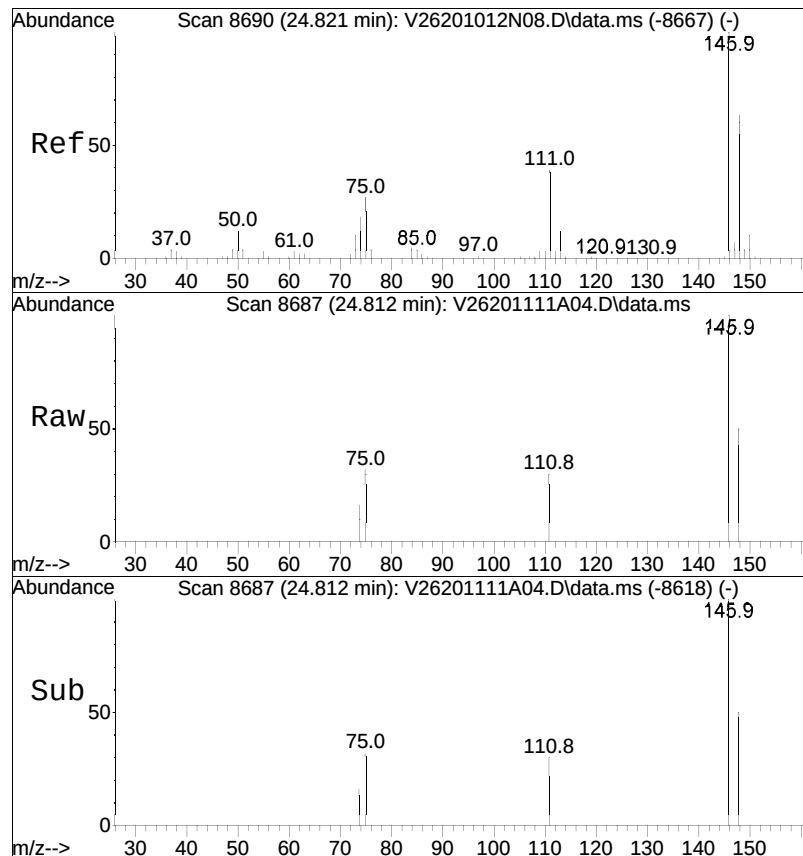




#112
 1,4-Dichlorobenzene
 Concen: 0.15 ug/L
 RT: 23.962 min Scan# 8382
 Delta R.T. -0.005 min
 Lab File: V26201111A04.D
 Acq: 11 Nov 2020 12:49 pm

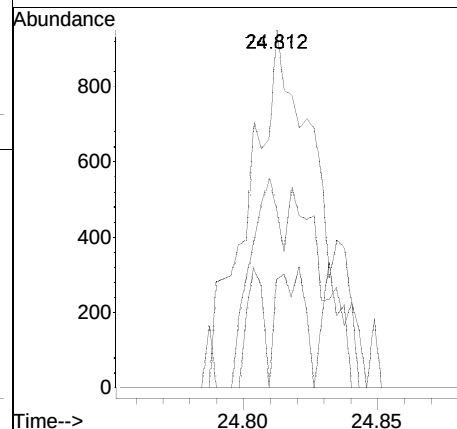
Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	31.2	46.8
148	52.6	51.4	77.0





#118
 1,2-Dichlorobenzene
 Concen: 0.12 ug/L
 RT: 24.812 min Scan# 8687
 Delta R.T. -0.009 min
 Lab File: V26201111A04.D
 Acq: 11 Nov 2020 12:49 pm

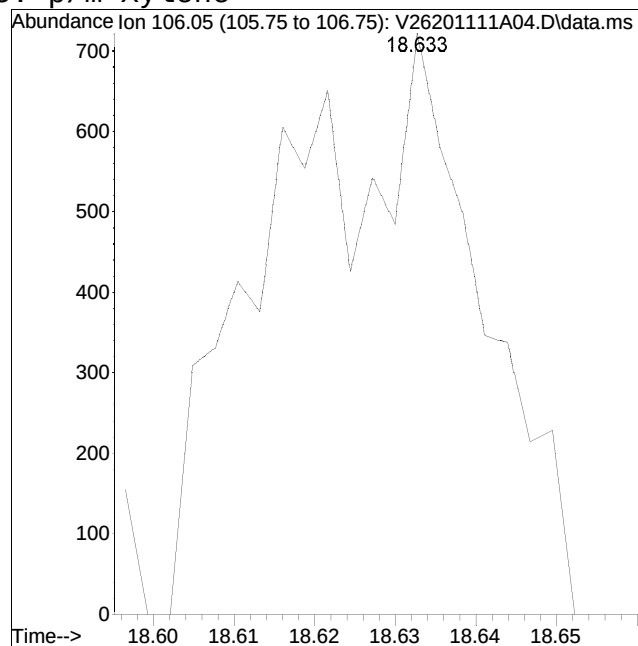
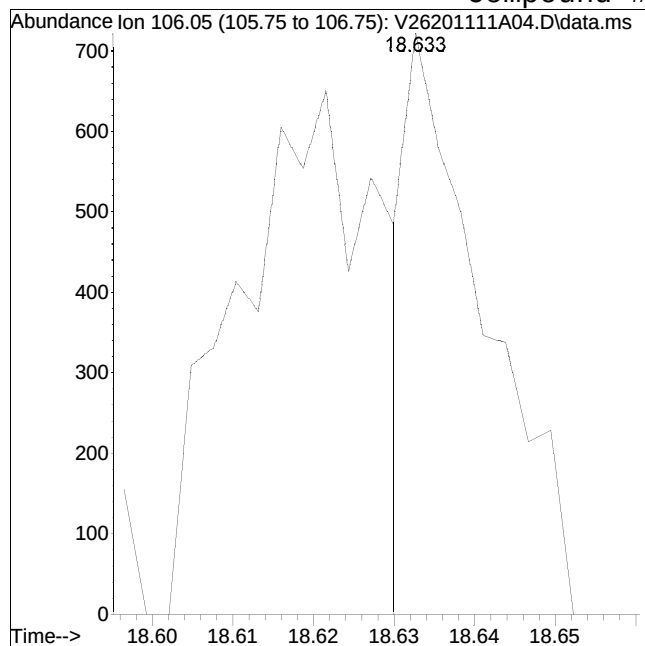
Tgt Ion	Ratio	Lower	Upper
146	100		
111	7.7	27.3	56.7#
148	26.9	41.6	86.4#



Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201111A04.D Operator : VOA126:KJD
Date Inj'd : 11/11/2020 12:49 pm Instrument : VOA126
Sample : WG1433193-5,31,5,5 Quant Date : 11/11/2020 2:24 pm

Compound #85: p/m Xylene



Original Peak Response = 490

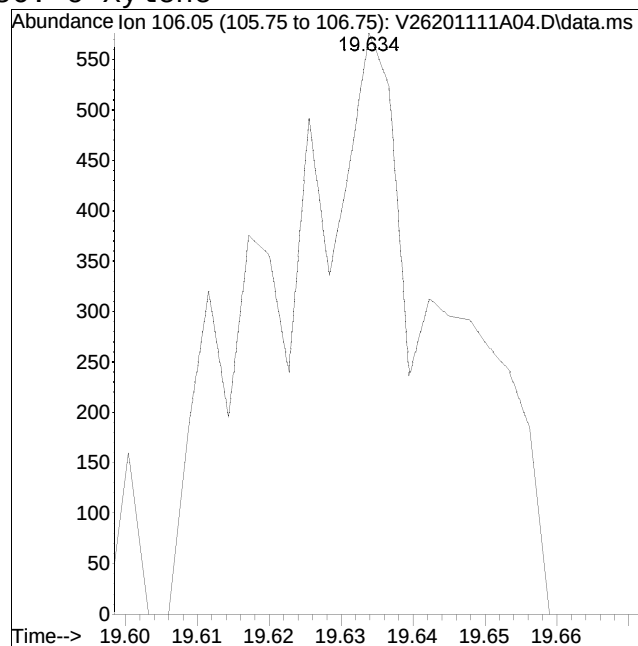
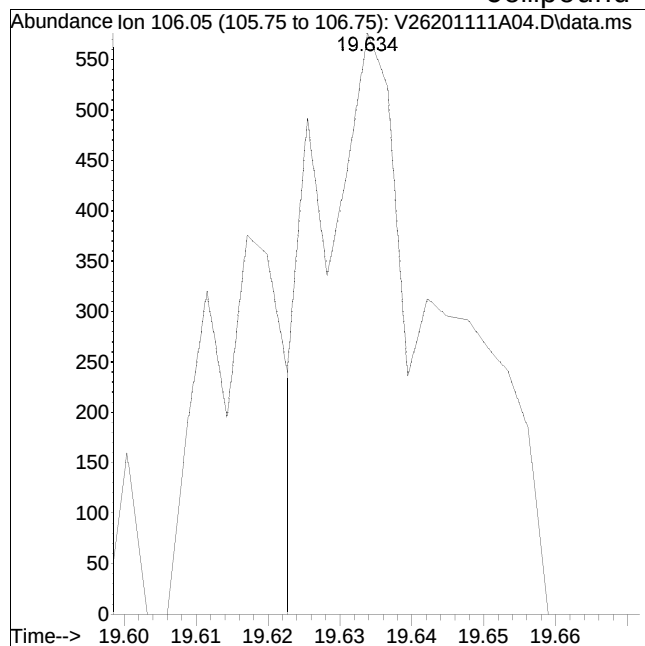
Manual Peak Response = 1276 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201111A04.D Operator : VOA126:KJD
Date Inj'd : 11/11/2020 12:49 pm Instrument : VOA126
Sample : WG1433193-5,31,5,5 Quant Date : 11/11/2020 2:24 pm

Compound #86: o Xylene



Original Peak Response = 702

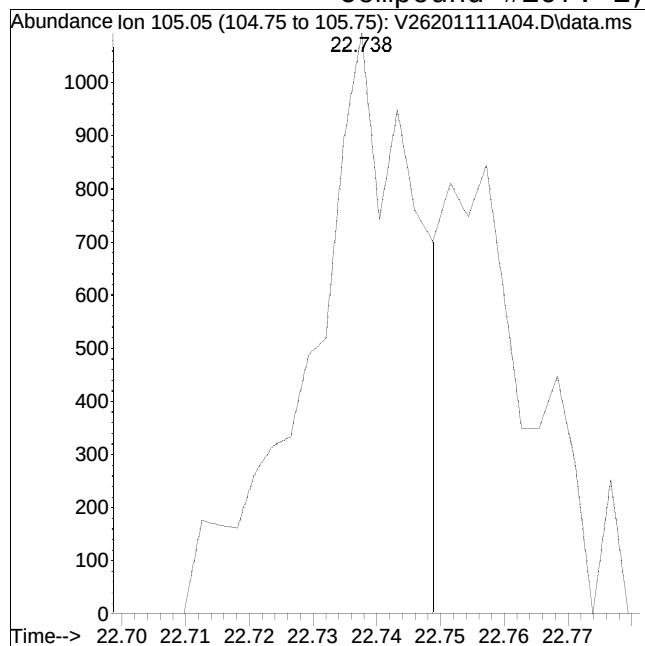
Manual Peak Response = 981 M1

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

Manual Integration Report

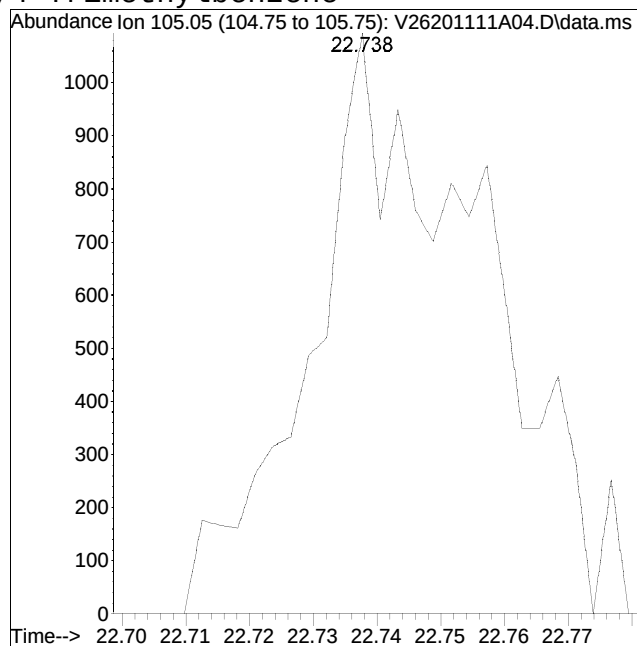
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201111A04.D Operator : VOA126:KJD
Date Inj'd : 11/11/2020 12:49 pm Instrument : VOA126
Sample : WG1433193-5,31,5,5 Quant Date : 11/11/2020 2:24 pm

Compound #107: 1,2,4-Trimethylbenzene



Original Peak Response = 1266

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

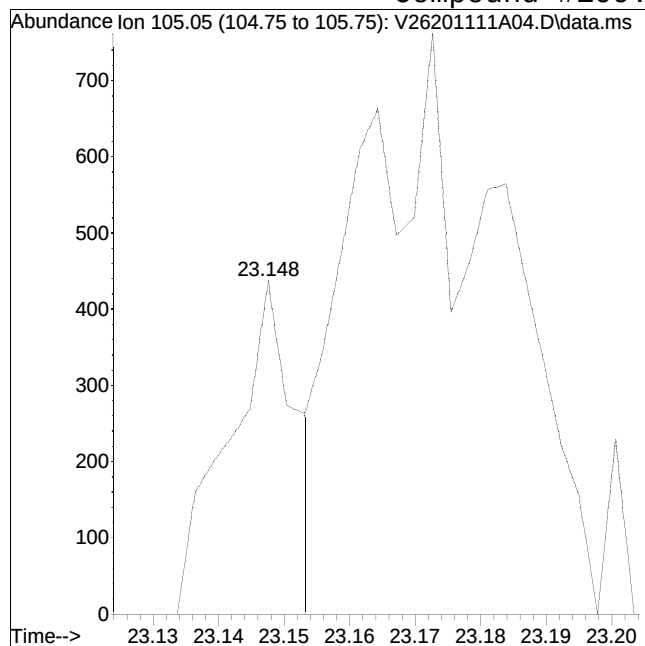


Manual Peak Response = 2009 M1

Manual Integration Report

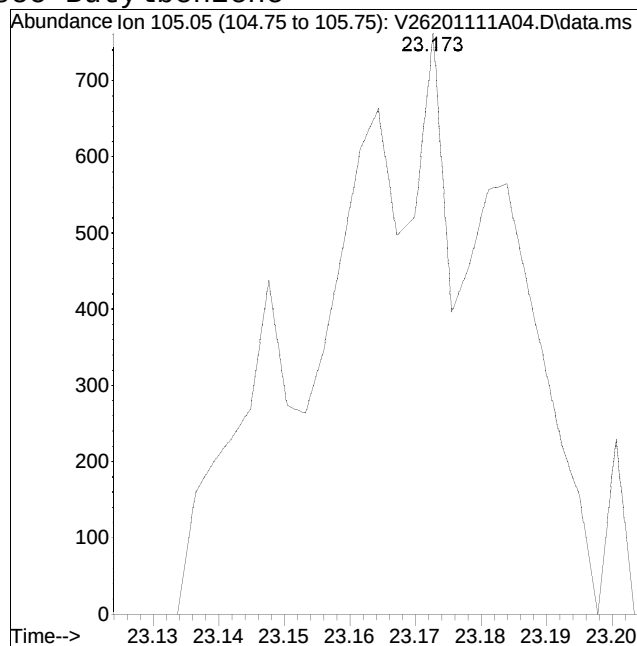
Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201111A04.D Operator : VOA126:KJD
Date Inj'd : 11/11/2020 12:49 pm Instrument : VOA126
Sample : WG1433193-5,31,5,5 Quant Date : 11/11/2020 2:24 pm

Compound #109: sec-Butylbenzene



Original Peak Response = 307

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

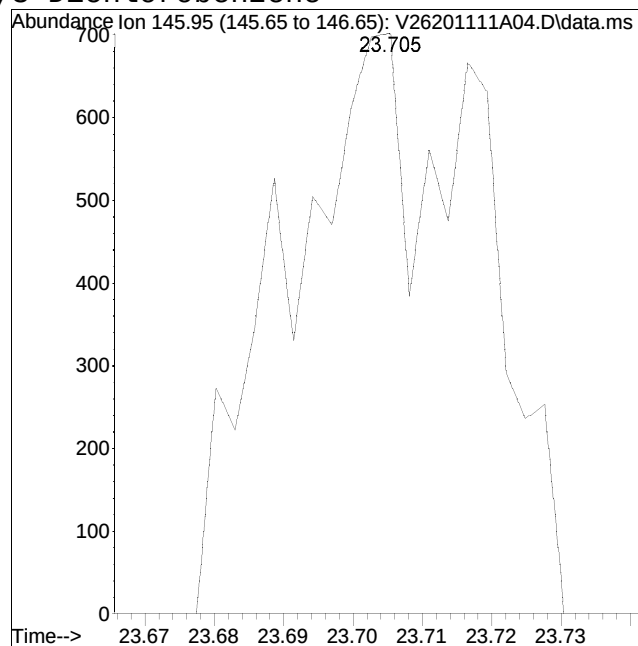
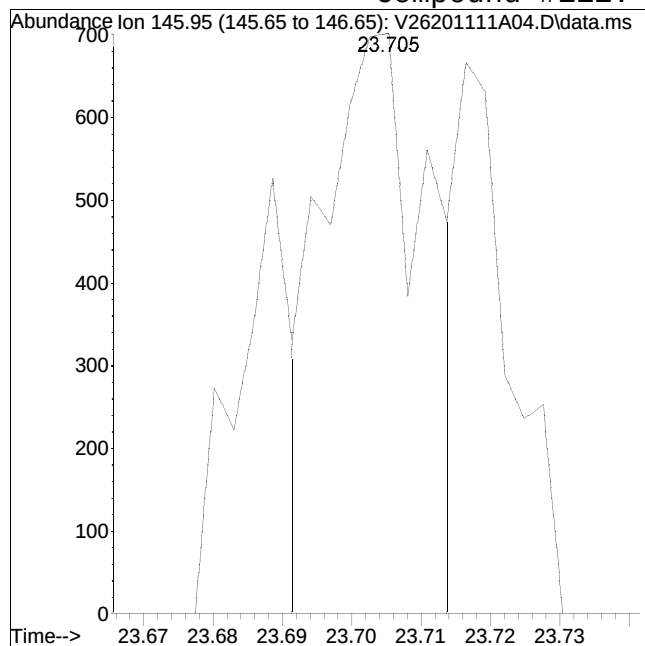


Manual Peak Response = 1480 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\20Method : V126_201012N_8260Suff.m
Data File : V26201111A04.D Operator : VOA126:KJD
Date Inj'd : 11/11/2020 12:49 pm Instrument : VOA126
Sample : WG1433193-5,31,5,5 Quant Date : 11/11/2020 2:24 pm

Compound #111: 1,3-Dichlorobenzene



Original Peak Response = 738

Manual Peak Response = 1370 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-3,31h,15,15,0.1
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	93534	20.000	ug/L	0.00
Standard Area 1 = 93534			Recovery =	100.00%		
59) Chlorobenzene-d5	8.900	117	73363	20.000	ug/L	0.00
Standard Area 1 = 73363			Recovery =	100.00%		
79) 1,4-Dichlorobenzene-d4	11.731	152	39230	20.000	ug/L	0.00
Standard Area 1 = 39230			Recovery =	100.00%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	24311	20.396	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.98%		
43) 1,2-Dichloroethane-d4	5.162	65	24931	21.560	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	107.80%		
60) Toluene-d8	7.091	98	93283	19.749	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.74%		
83) 4-Bromofluorobenzene	10.452	95	31590	18.716	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.58%		
Target Compounds						
						Qvalue
4) Vinyl chloride	1.696	62	39773	40.120	ug/L	97
10) 1,1-Dichloroethene	2.598	96	27779	39.522	ug/L	84
15) Methylene chloride	3.085	84	37030	41.331	ug/L	72
17) Acetone	3.122	43	8385	44.207	ug/L	97
18) trans-1,2-Dichloroethene	3.227	96	33146	40.382	ug/L	85
20) Methyl tert-butyl ether	3.316	73	88099	41.160	ug/L	89
23) 1,1-Dichloroethane	3.757	63	63243	42.423	ug/L	97
28) cis-1,2-Dichloroethene	4.244	96	37893	40.472	ug/L	85
32) Chloroform	4.496	83	64902	42.167	ug/L	96
34) Carbon tetrachloride	4.622	117	49742	41.033	ug/L	99
37) 1,1,1-Trichloroethane	4.685	97	53546	43.470	ug/L	97
39) 2-Butanone	4.774	43	14205	45.359	ug/L	# 83
41) Benzene	5.036	78	137991	42.500	ug/L	91
44) 1,2-Dichloroethane	5.230	62	49386	42.362	ug/L	98
48) Trichloroethene	5.613	95	37008	44.761	ug/L	99
57) 1,4-Dioxane	6.415	88	18080	2260.507	ug/L	# 77
61) Toluene	7.144	92	87247	38.404	ug/L	97
63) Tetrachloroethene	7.584	166	37588	41.466	ug/L	99
73) Chlorobenzene	8.916	112	102335	39.107	ug/L	97
74) Ethylbenzene	8.968	91	166406	39.663	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-3,31h,15,15,0.1
 Misc : WG1432524,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	p/m Xylene	9.157	106	132483	82.831	ug/L	99
77)	o Xylene	9.697	106	123415	82.626	ug/L	98
85)	n-Propylbenzene	10.630	91	200338	37.609	ug/L	100
90)	1,3,5-Trimethylbenzene	10.877	105	140277	38.232	ug/L	99
94)	tert-Butylbenzene	11.233	119	117448	37.736	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	139117	39.062	ug/L	100
98)	sec-Butylbenzene	11.432	105	181930	38.472	ug/L	100
100)	1,3-Dichlorobenzene	11.653	146	88298	38.108	ug/L	99
101)	1,4-Dichlorobenzene	11.747	146	88823	36.937	ug/L	99
103)	n-Butylbenzene	12.051	91	143515	39.371	ug/L	99
104)	1,2-Dichlorobenzene	12.182	146	80302	37.266	ug/L	99

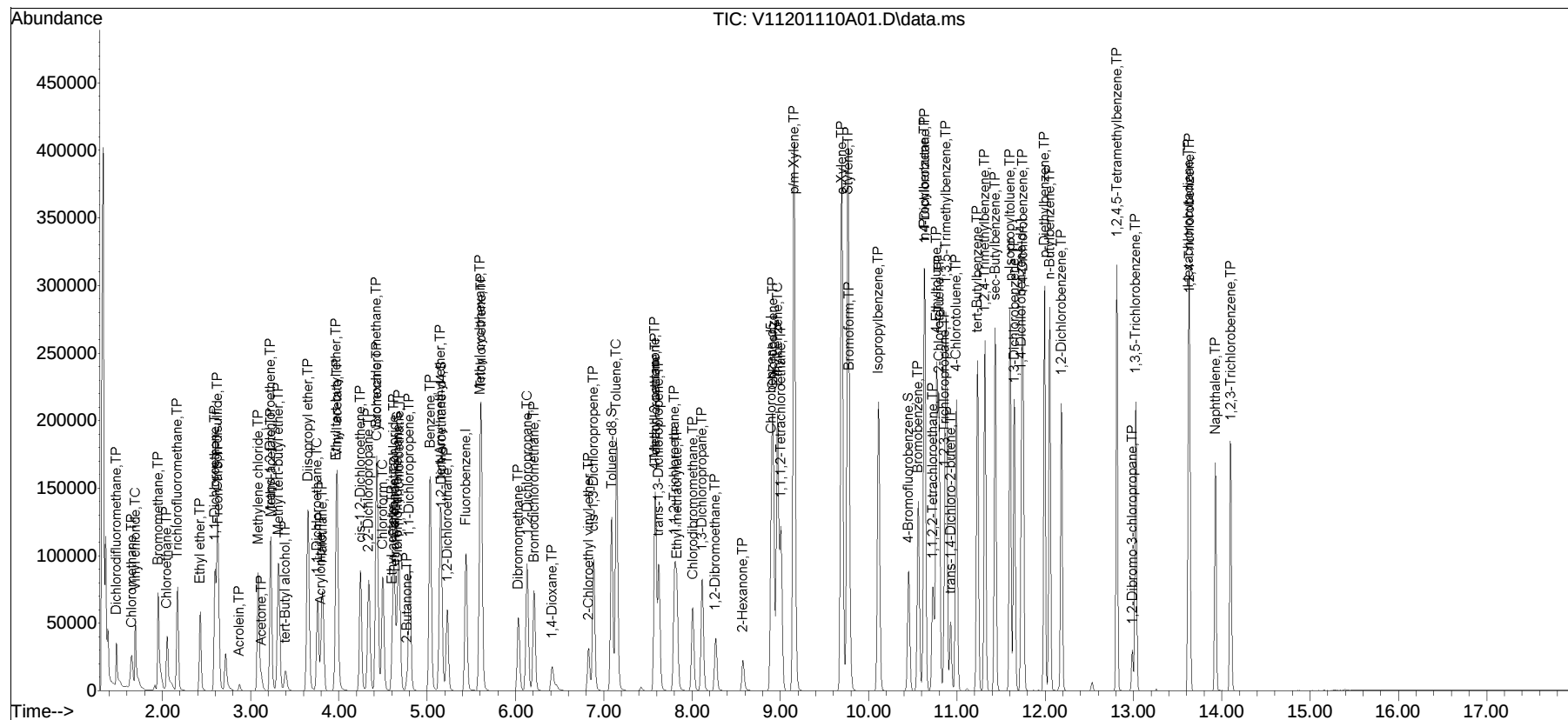
(#) = qualifier out of range (m) = manual integration (+) = signals summed

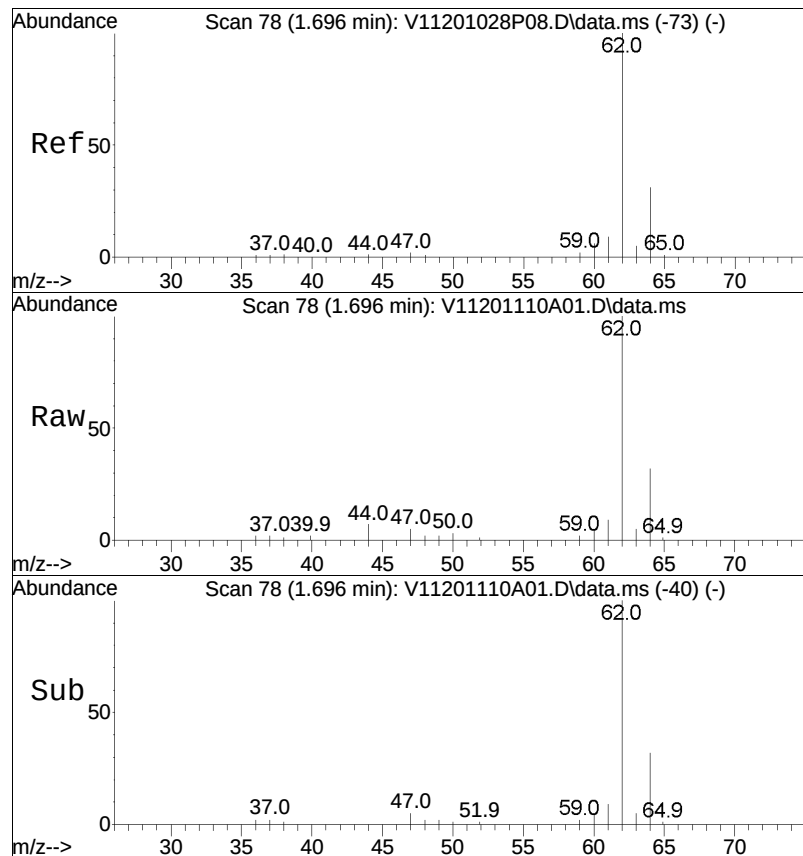
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A01.D
 Acq On : 10 Nov 2020 05:56 am
 Operator : VOA111:MV
 Sample : WG1432524-3, 31h, 15, 15, 0.1
 Misc : WG1432524, ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 06:15:27 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

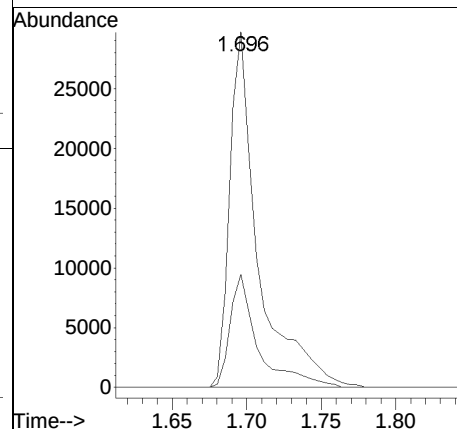
Sub List : 8260-CurveSoil - Megamix plus Diox0A\V11201110A01.D•

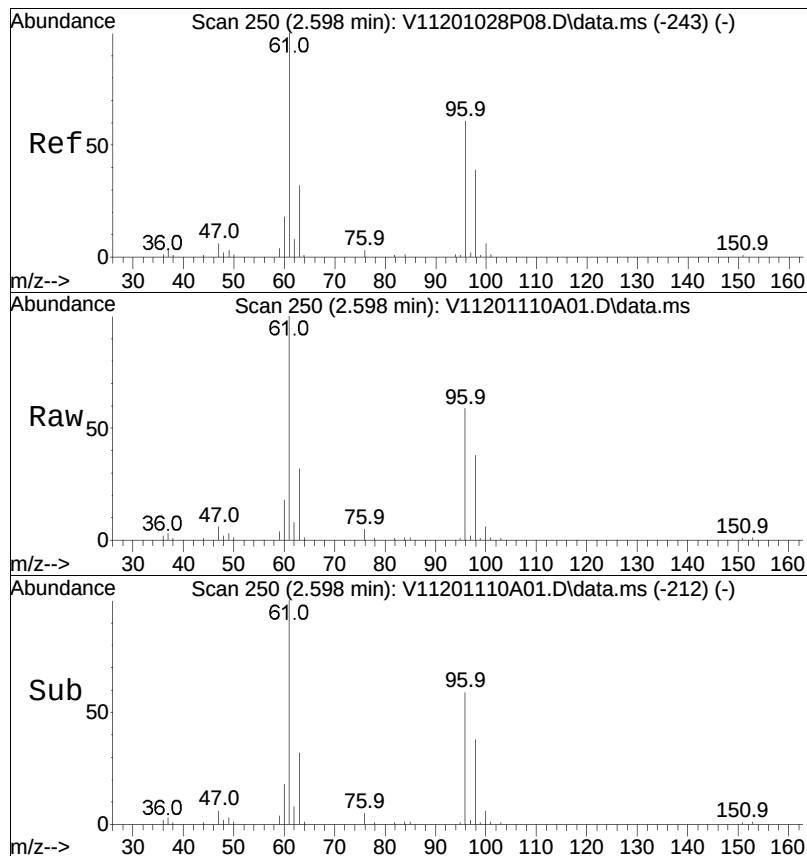




#4
 Vinyl chloride
 Concen: 40.12 ug/L
 RT: 1.696 min Scan# 78
 Delta R.T. 0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

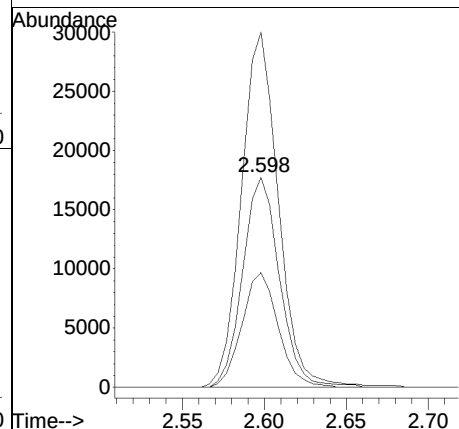
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.3	9.9	49.9

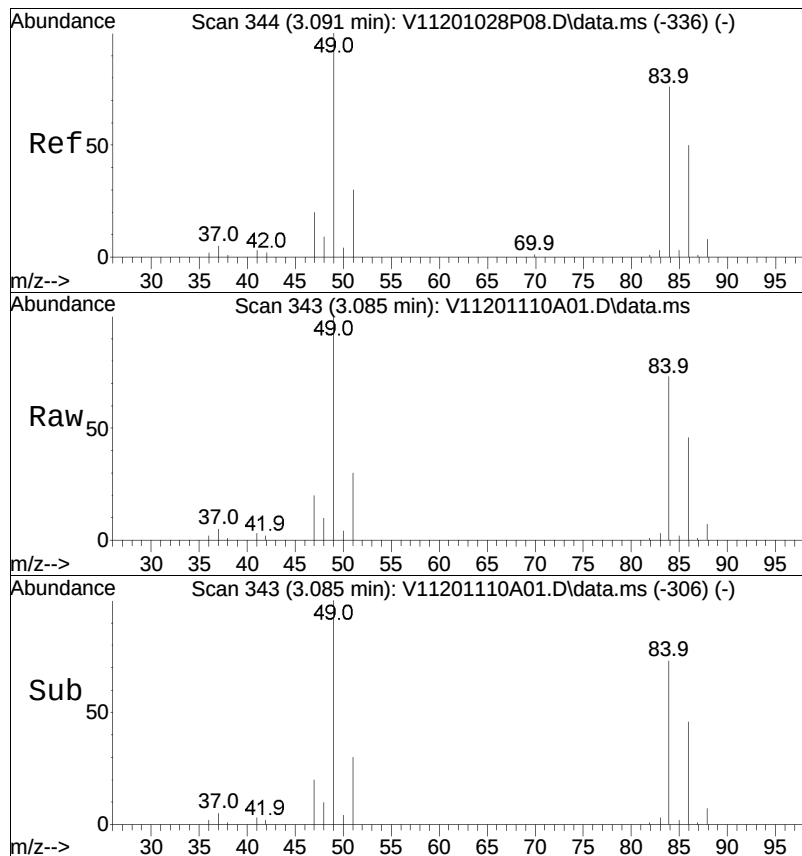




#10
 1,1-Dichloroethene
 Concen: 39.52 ug/L
 RT: 2.598 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

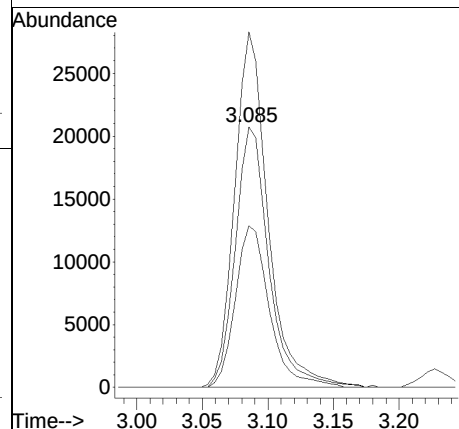
Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	157.7	236.5
63	54.0	47.9	71.9

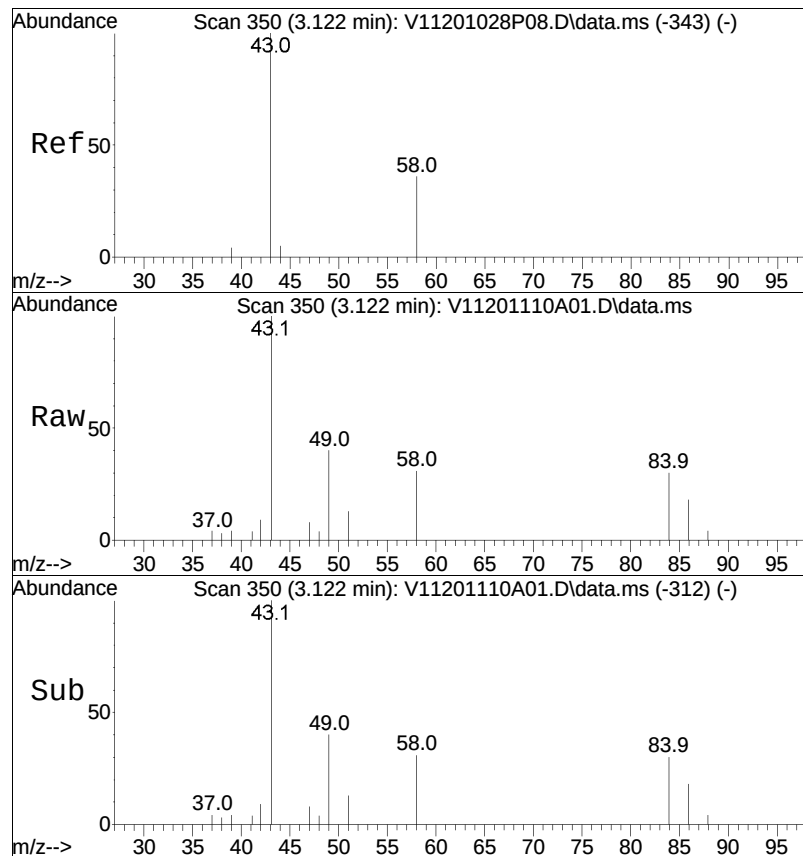




#15
Methylene chloride
Concen: 41.33 ug/L
RT: 3.085 min Scan# 343
Delta R.T. -0.006 min
Lab File: V11201110A01.D
Acq: 10 Nov 2020 05:56 am

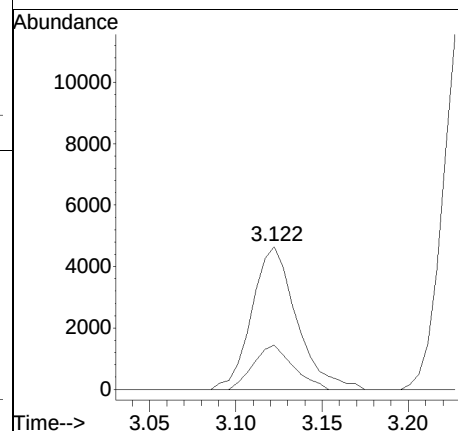
Tgt	Ion: 84	Resp:	37030
Ion	Ratio	Lower	Upper
84	100		
86	63.2	41.1	85.3
49	135.8	124.2	258.0

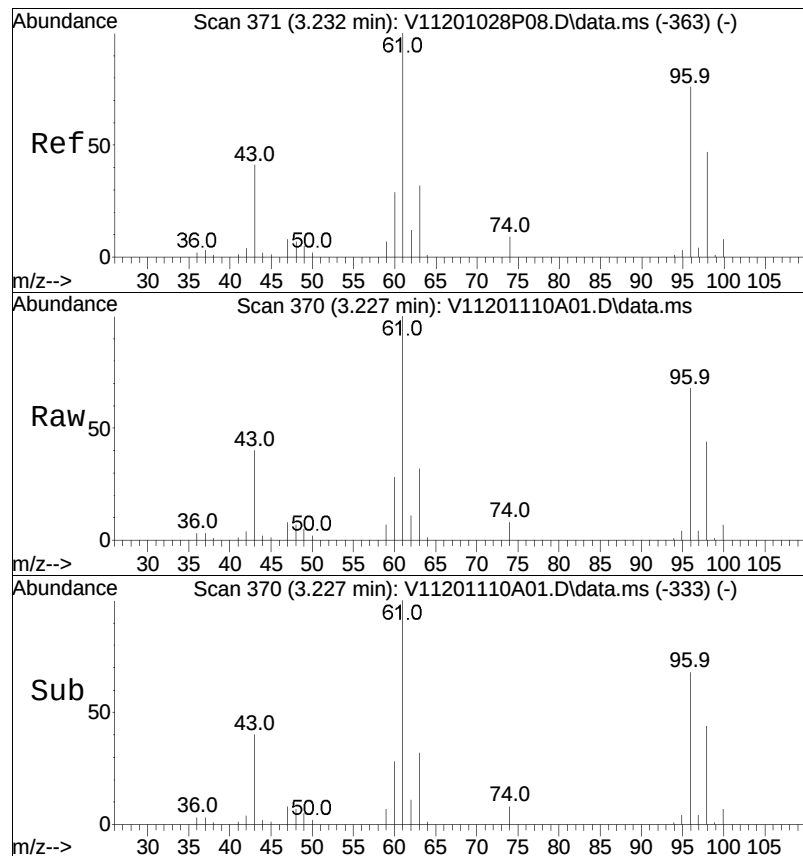




#17
 Acetone
 Concen: 44.21 ug/L
 RT: 3.122 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

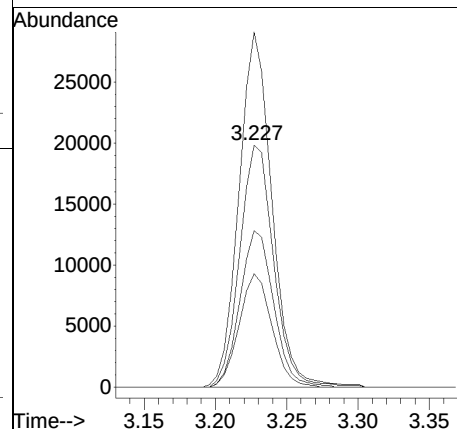
Tgt Ion: 43 Resp: 8385
 Ion Ratio Lower Upper
 43 100
 58 27.6 20.8 31.2

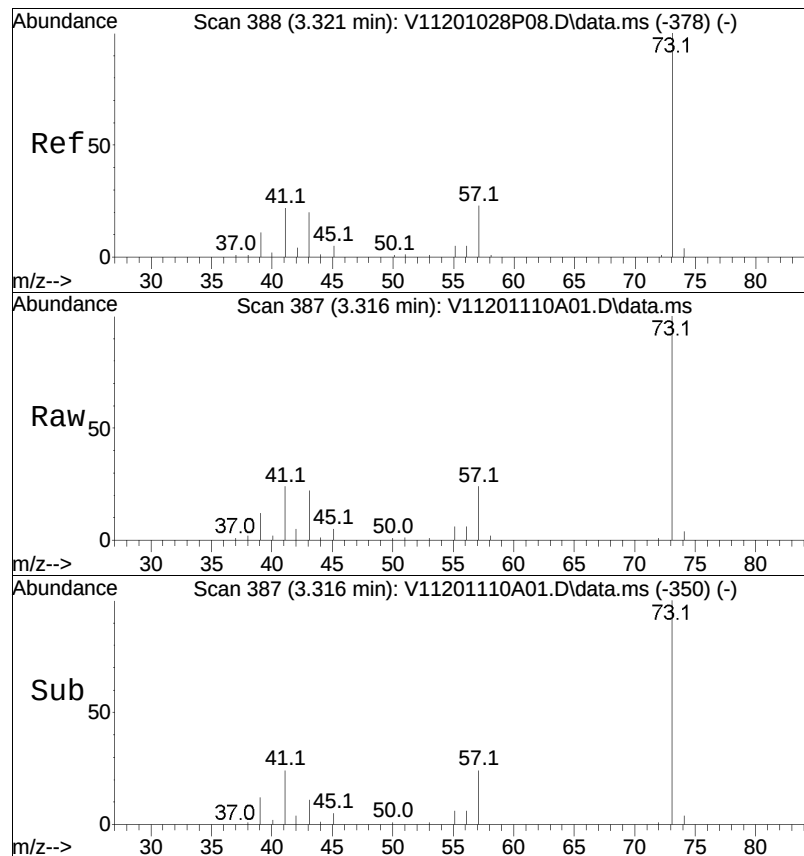




#18
 trans-1,2-Dichloroethene
 Concen: 40.38 ug/L
 RT: 3.227 min Scan# 370
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

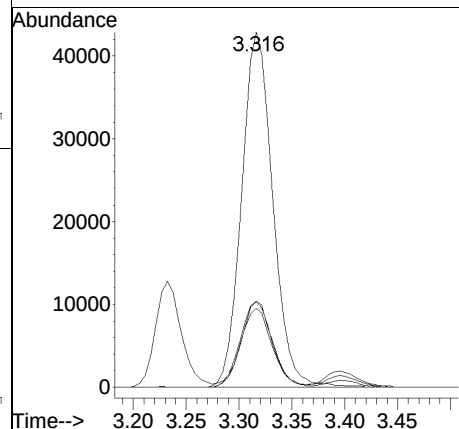
Tgt Ion:	96	Resp:	33146
Ion Ratio	Lower	Upper	
96	100		
61	141.3	111.1	230.8
98	64.0	41.8	86.8
63	45.1	33.3	69.1

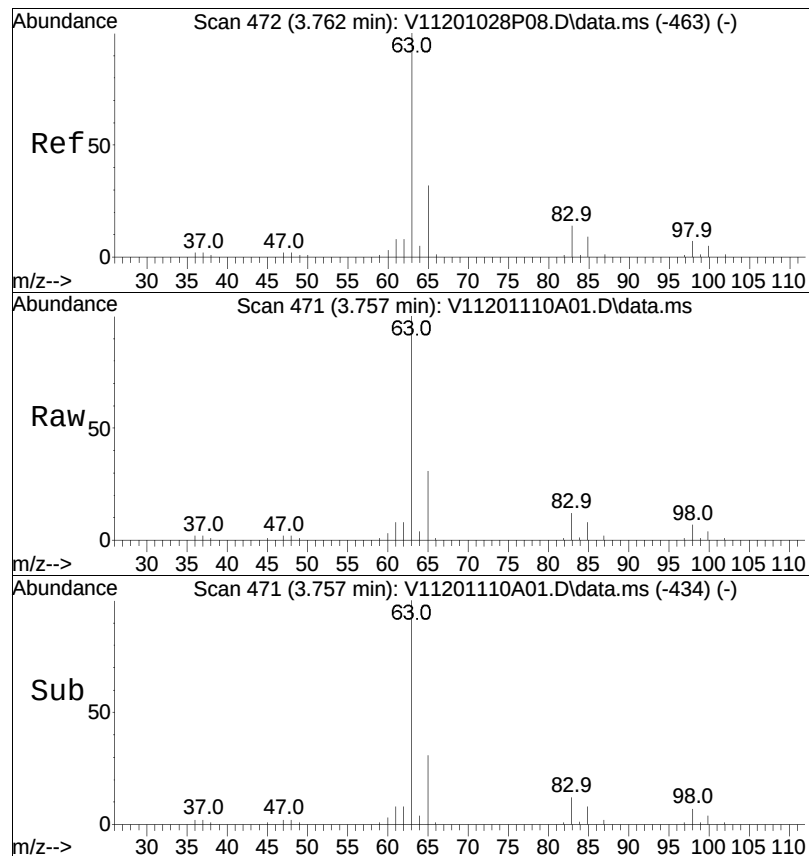




#20
 Methyl tert-butyl ether
 Concen: 41.16 ug/L
 RT: 3.316 min Scan# 387
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

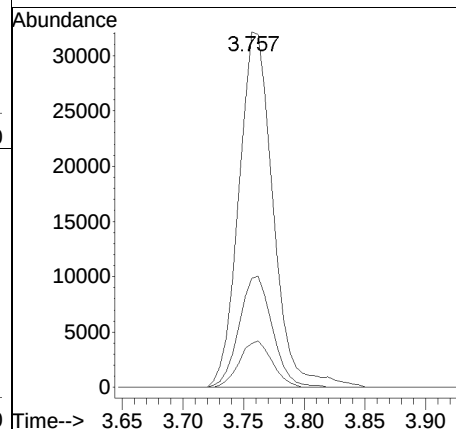
Tgt Ion: 73	Resp: 88099
Ion Ratio	Lower Upper
73 100	
57 24.1	19.6 40.6
43 22.8	18.5 38.3
41 24.7	20.3 42.1

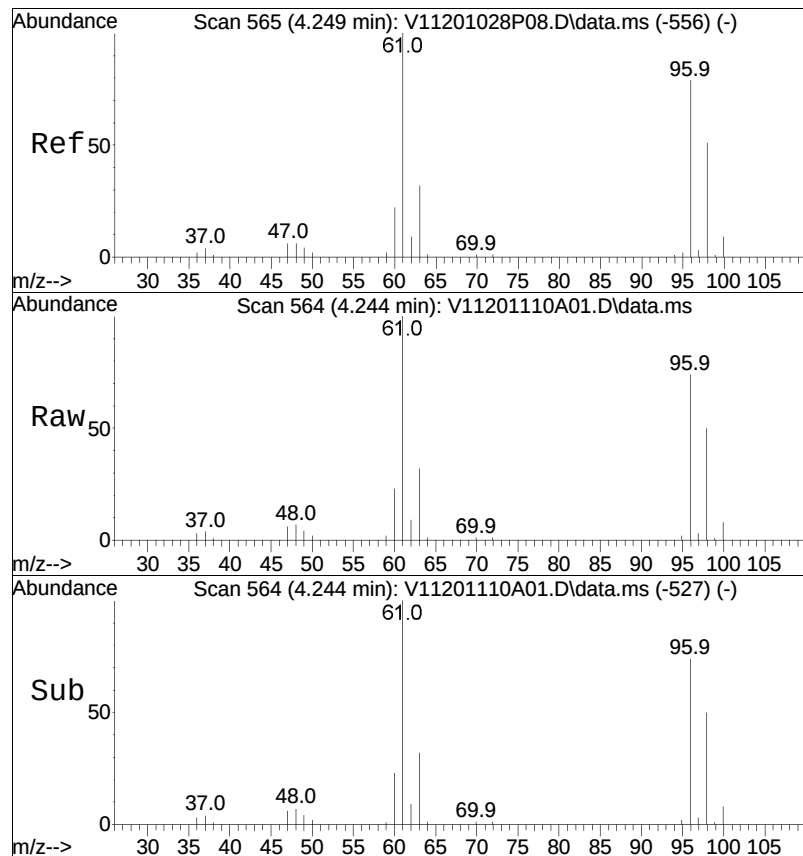




#23
 1,1-Dichloroethane
 Concen: 42.42 ug/L
 RT: 3.757 min Scan# 471
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

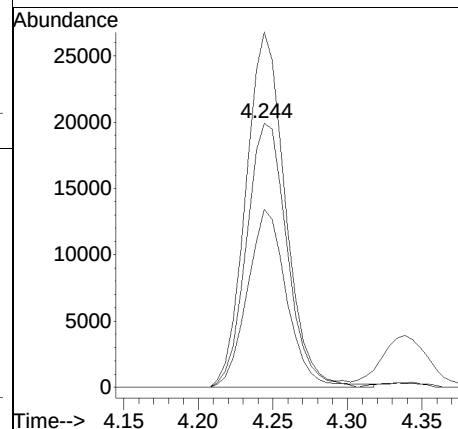
Tgt	Ion: 63	Resp:	63243
Ion	Ratio	Lower	Upper
63	100		
65	30.5	9.0	49.0
83	12.5	0.0	31.4

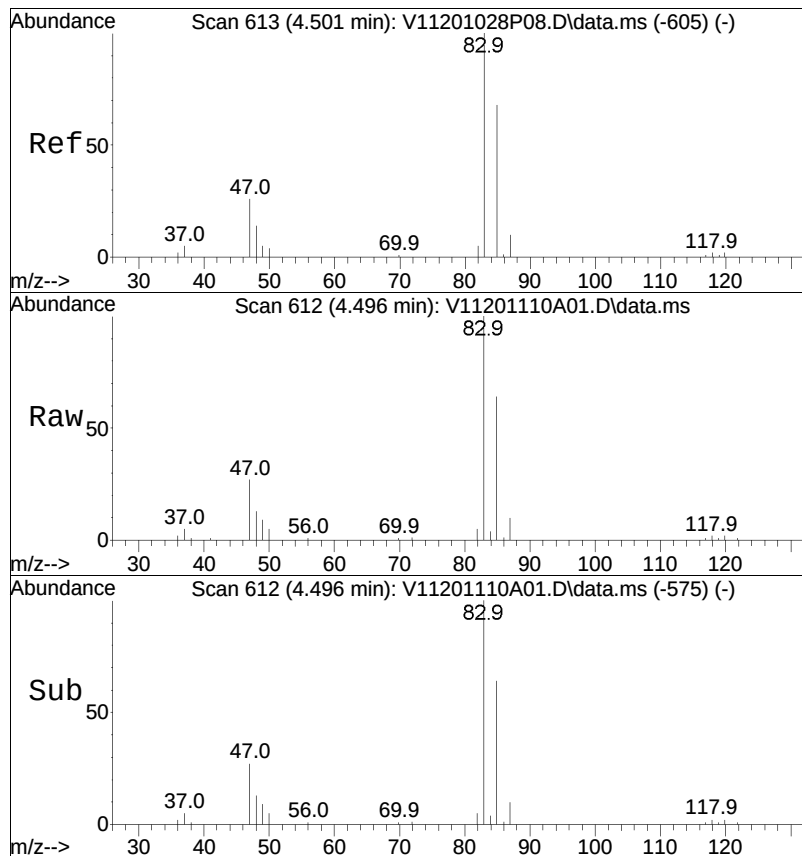




#28
 cis-1,2-Dichloroethene
 Concen: 40.47 ug/L
 RT: 4.244 min Scan# 564
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

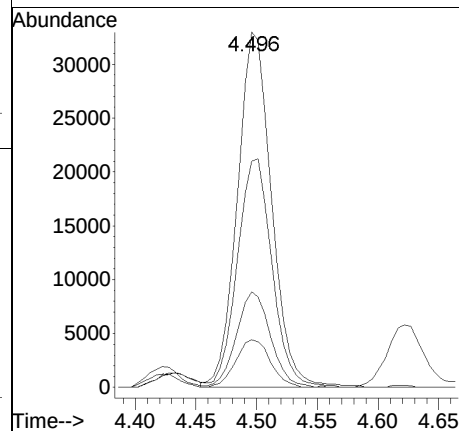
Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.0	126.3	189.5
98	64.6	51.0	76.6

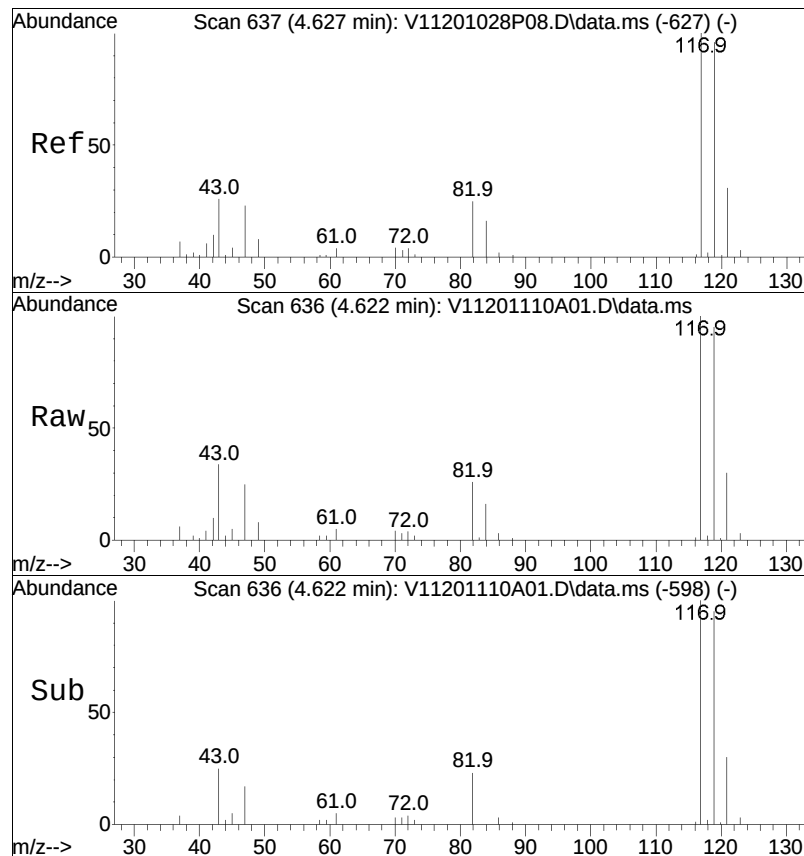




#32
 Chloroform
 Concen: 42.17 ug/L
 RT: 4.496 min Scan# 612
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

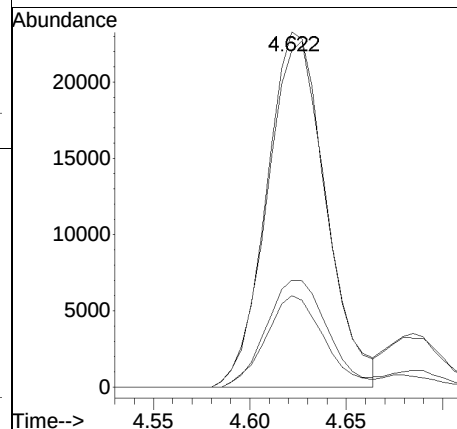
Tgt	Ion: 83	Resp:	64902
Ion	Ratio	Lower	Upper
83	100		
85	65.1	41.9	87.1
47	26.9	20.9	43.3
48	13.6	9.9	20.5

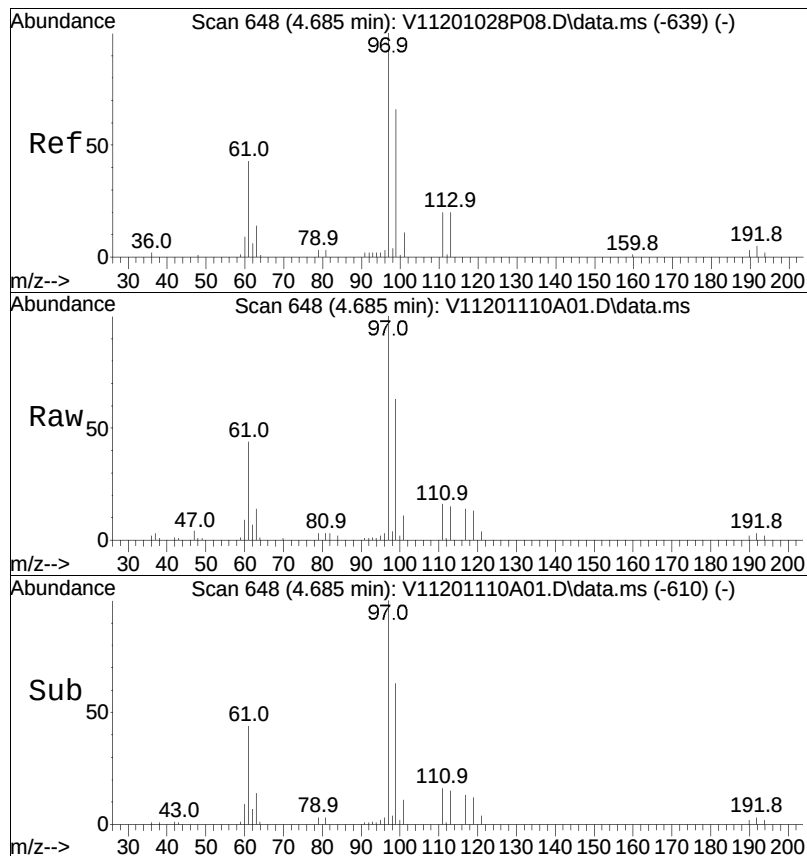




#34
 Carbon tetrachloride
 Concen: 41.03 ug/L
 RT: 4.622 min Scan# 636
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

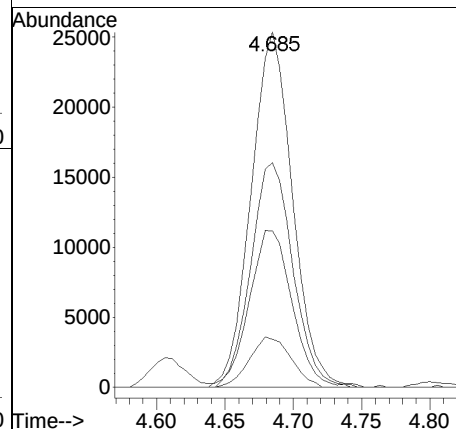
Tgt Ion:	117	Resp:	49742
Ion Ratio	Lower	Upper	
117	100		
119	97.4	64.0	132.8
121	31.3	20.7	42.9
82	25.5	16.3	33.8

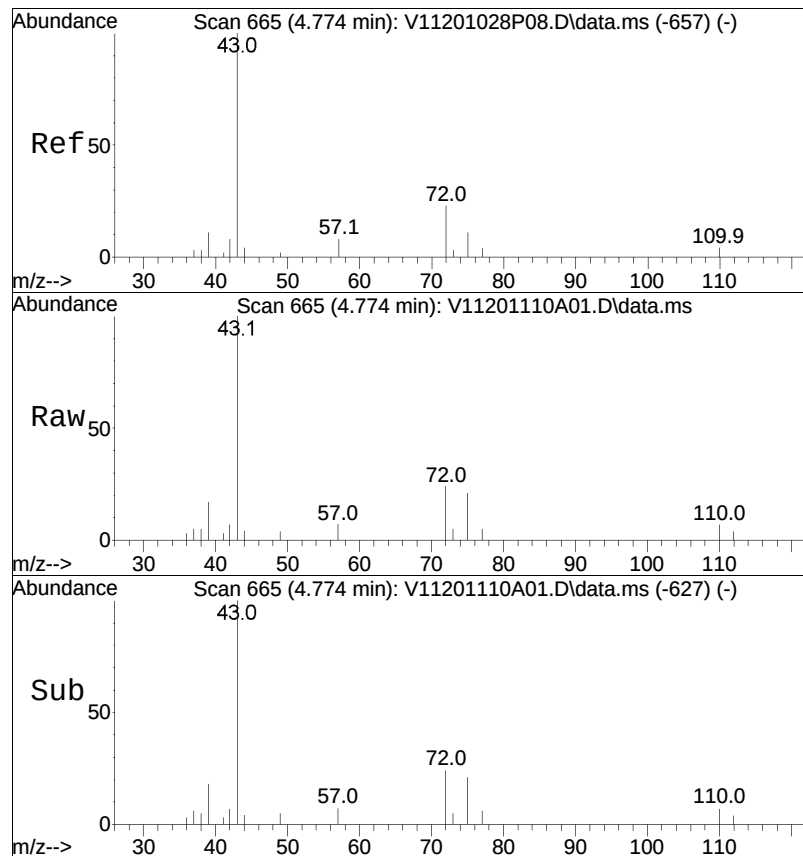




#37
 1,1,1-Trichloroethane
 Concen: 43.47 ug/L
 RT: 4.685 min Scan# 648
 Delta R.T. -0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

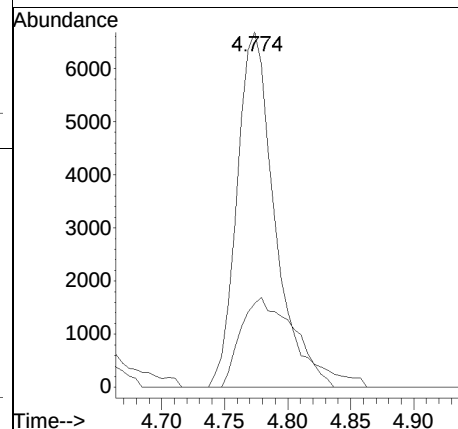
Tgt Ion:	97	Resp:	53546
Ion Ratio	Lower	Upper	
97	100		
99	64.4	41.5	86.1
61	45.7	32.2	67.0
63	14.3	10.1	20.9

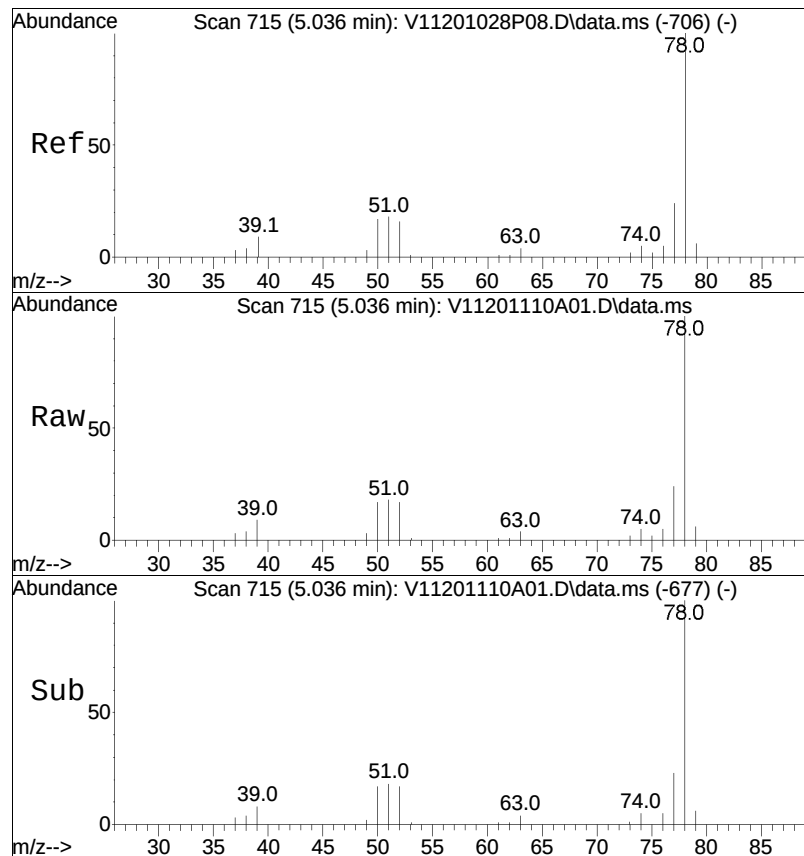




#39
 2-Butanone
 Concen: 45.36 ug/L
 RT: 4.774 min Scan# 665
 Delta R.T. -0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

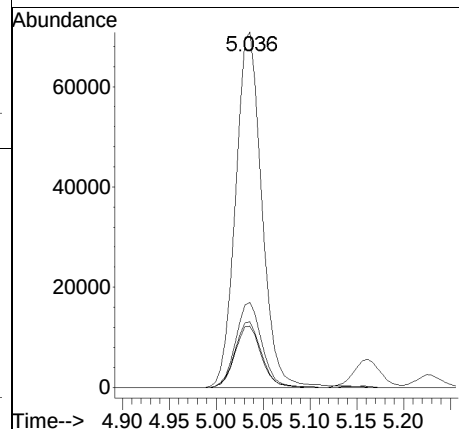
Tgt Ion:	43	72	Ratio	Lower	Upper
Resp:	14205				
Ion Ratio	100	35.2			
			21.0	31.6	

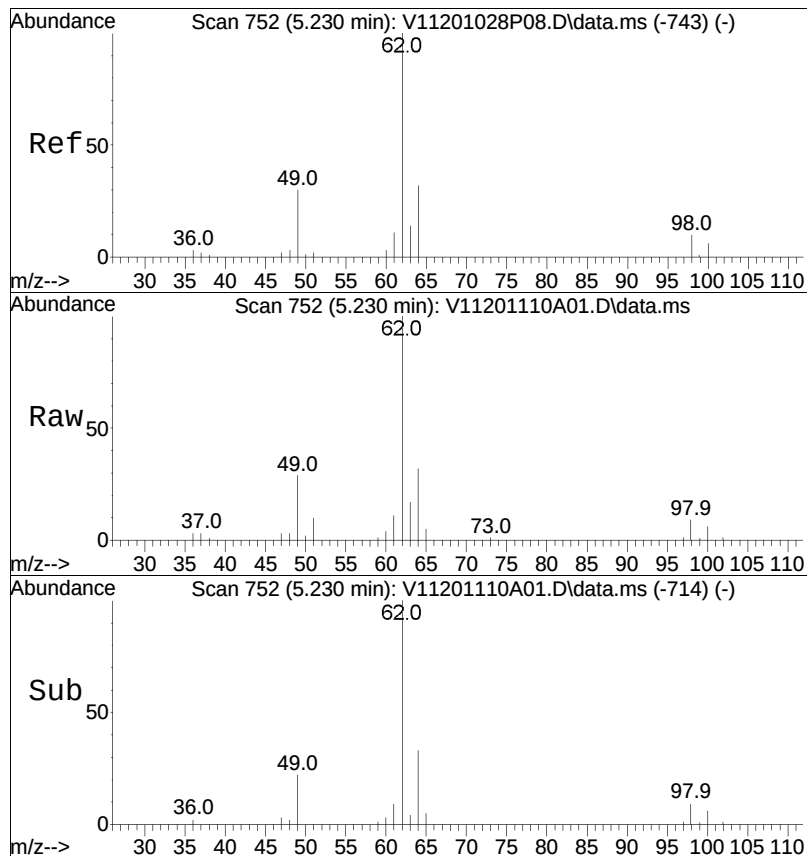




#41
Benzene
Concen: 42.50 ug/L
RT: 5.036 min Scan# 715
Delta R.T. -0.000 min
Lab File: V11201110A01.D
Acq: 10 Nov 2020 05:56 am

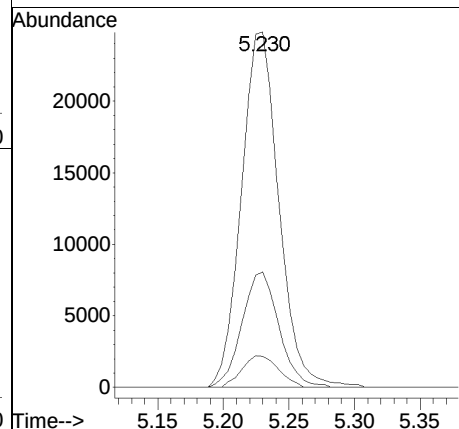
Tgt Ion:	78	Resp:	137991
Ion Ratio	Lower	Upper	
78	100		
77	23.9	15.1	31.3
51	18.5	15.8	32.8
52	17.2	15.6	32.4

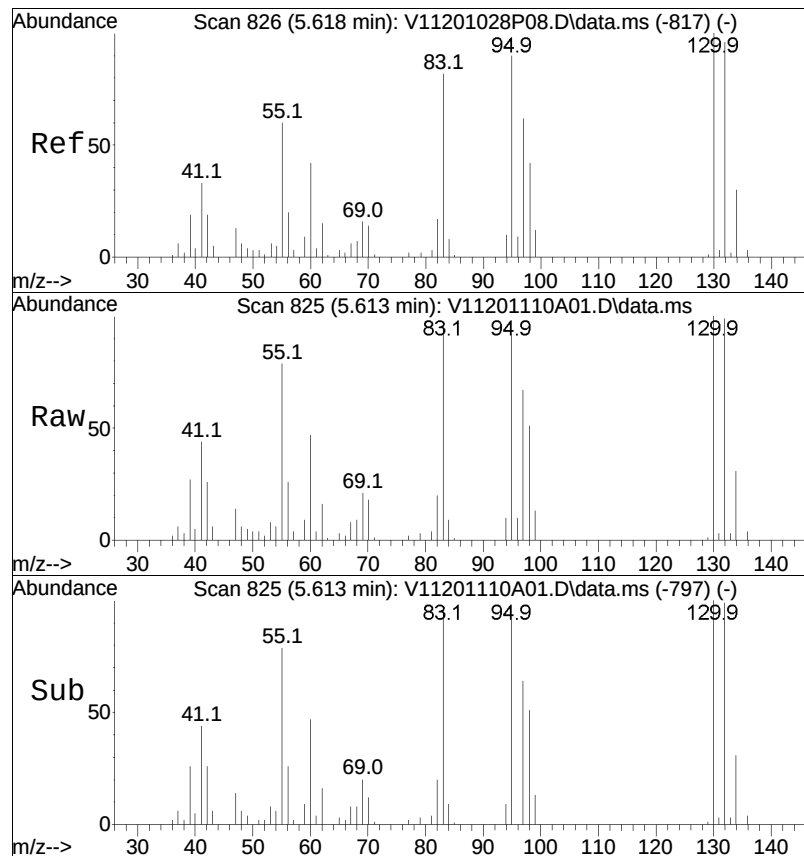




#44
 1,2-Dichloroethane
 Concen: 42.36 ug/L
 RT: 5.230 min Scan# 752
 Delta R.T. -0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

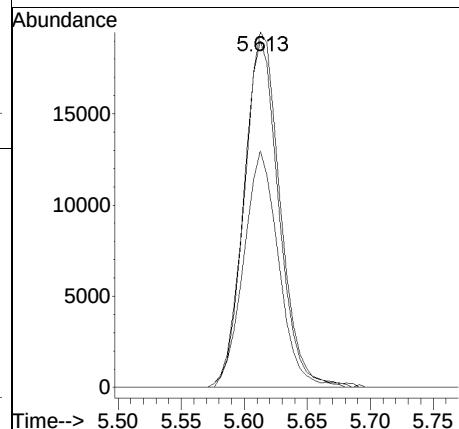
Tgt Ion	Ratio	Resp	Lower	Upper
62	100	49386		
64	32.0		11.1	51.1
98	8.7		0.0	28.0

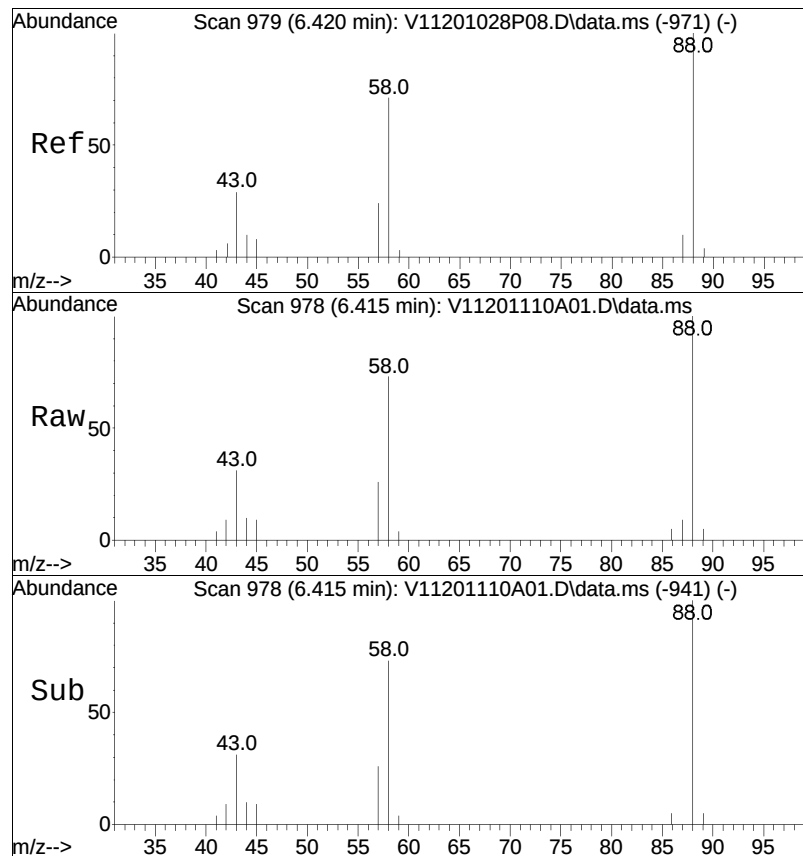




#48
 Trichloroethene
 Concen: 44.76 ug/L
 RT: 5.613 min Scan# 825
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

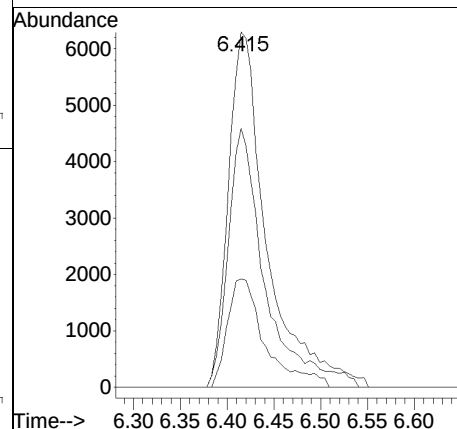
Tgt Ion:	95	Resp:	37008
Ion Ratio	Lower	Upper	
95	100		
97	67.8	54.3	81.5
130	103.7	84.6	126.8

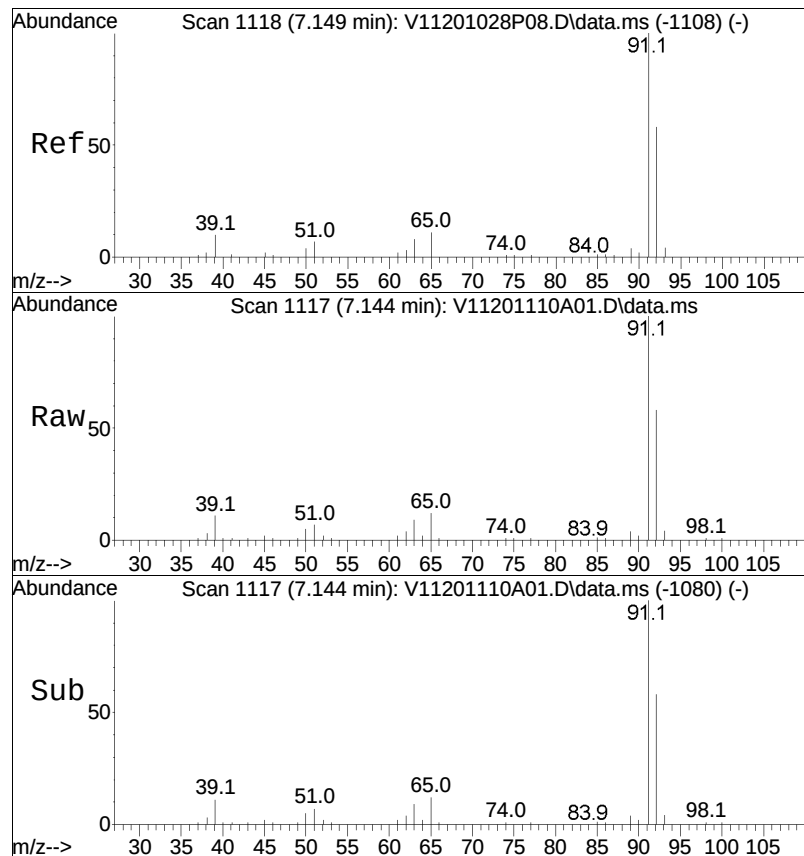




#57
 1,4-Dioxane
 Concen: 2260.51 ug/L
 RT: 6.415 min Scan# 978
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

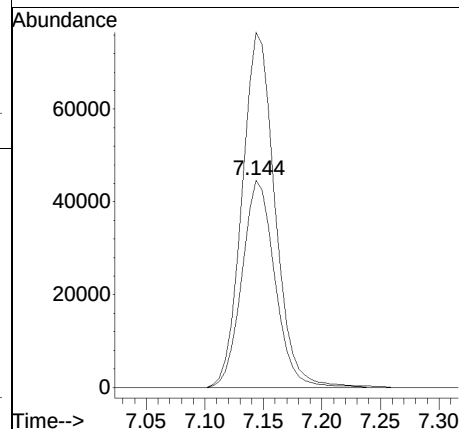
Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.6	75.4	113.0#
43	30.0	33.5	50.3#

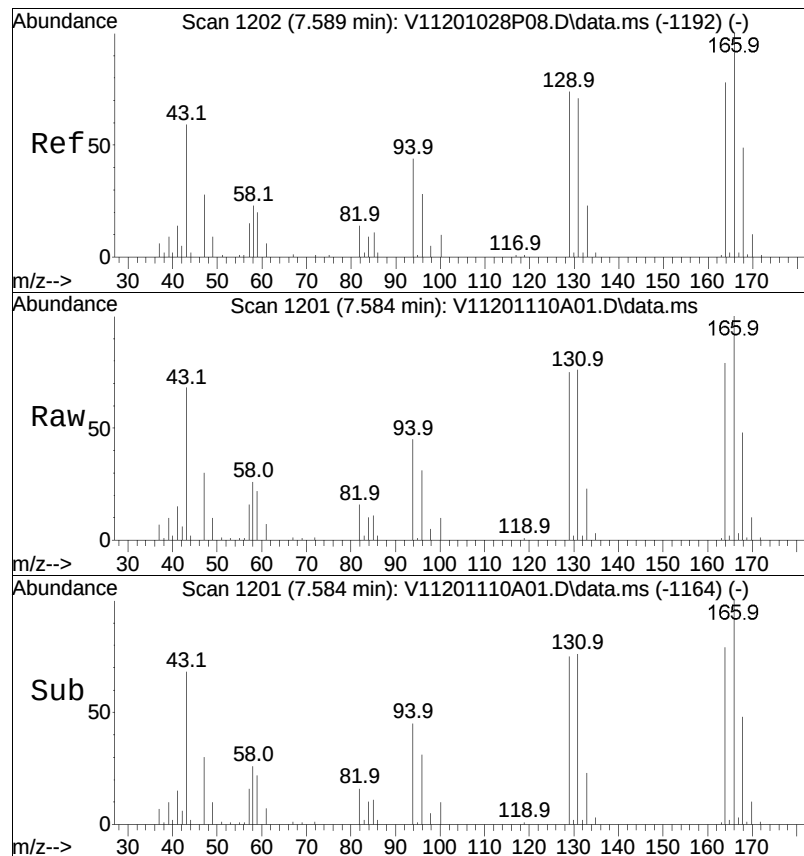




#61
 Toluene
 Concen: 38.40 ug/L
 RT: 7.144 min Scan# 1117
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

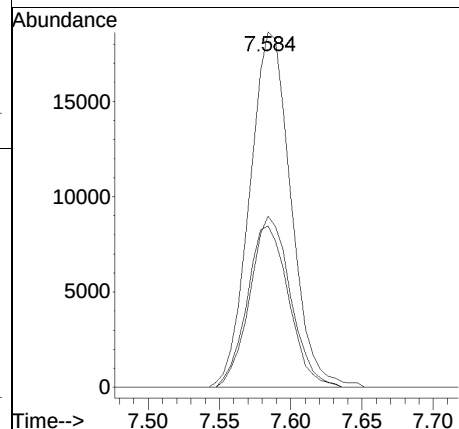
Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	133.7	200.5

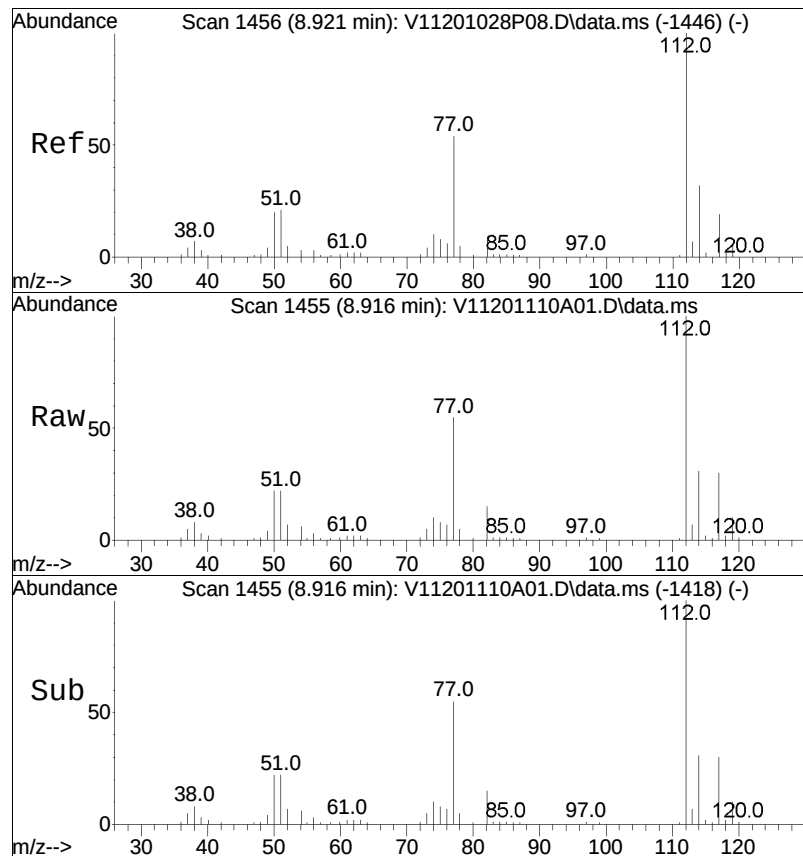




#63
 Tetrachloroethene
 Concen: 41.47 ug/L
 RT: 7.584 min Scan# 1201
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

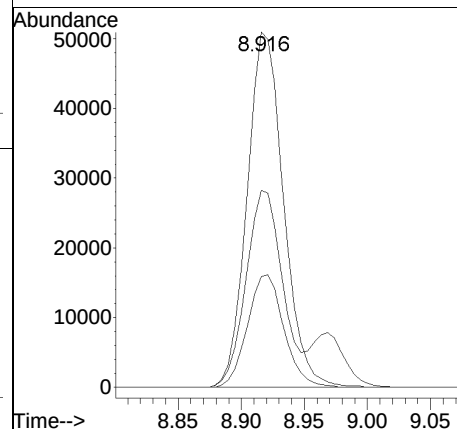
Tgt	Ion:166	Resp:	37588
Ion	Ratio	Lower	Upper
166	100		
168	47.5	28.2	68.2
94	45.8	26.3	66.3

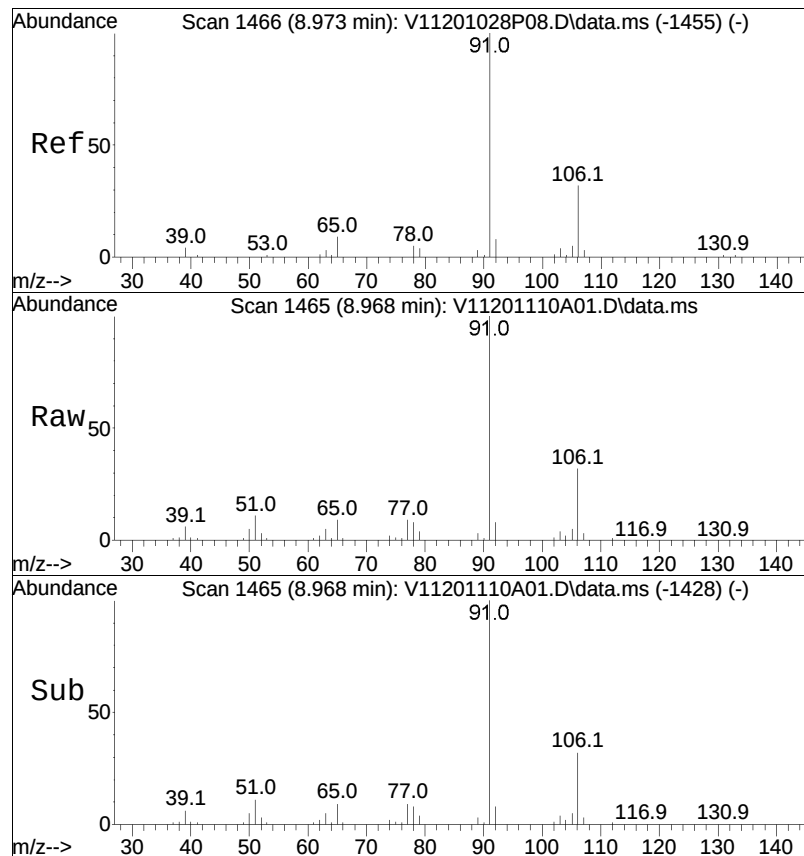




#73
 Chlorobenzene
 Concen: 39.11 ug/L
 RT: 8.916 min Scan# 1455
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

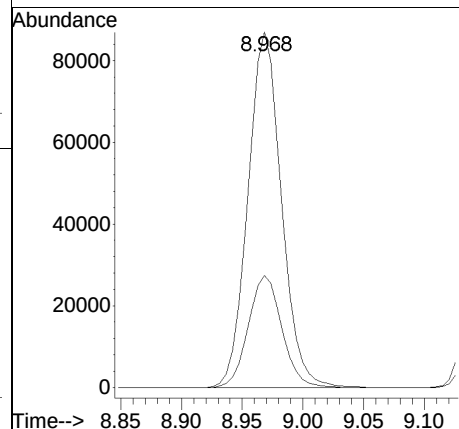
Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.4	47.0	70.4
114	31.8	25.9	38.9

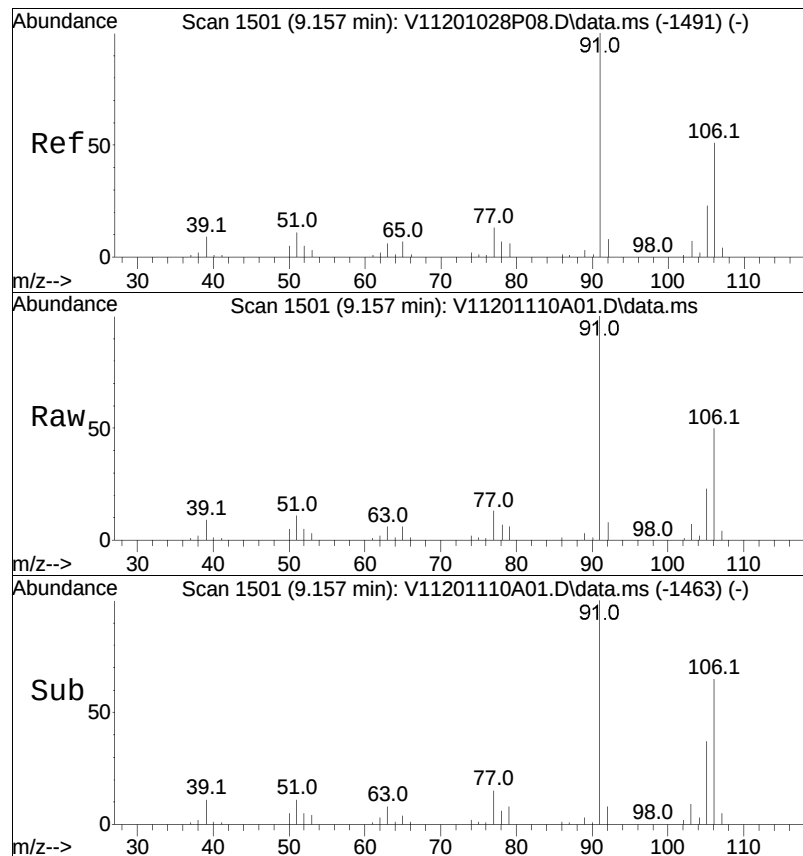




#74
 Ethylbenzene
 Concen: 39.66 ug/L
 RT: 8.968 min Scan# 1465
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

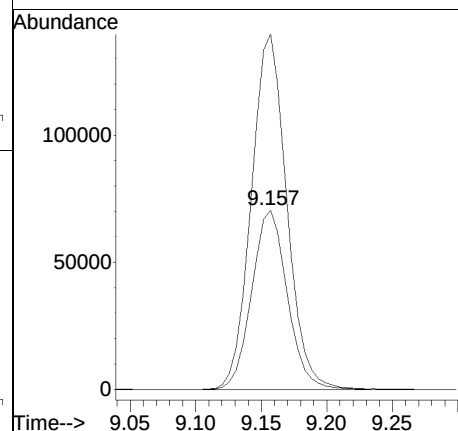
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.0	37.4

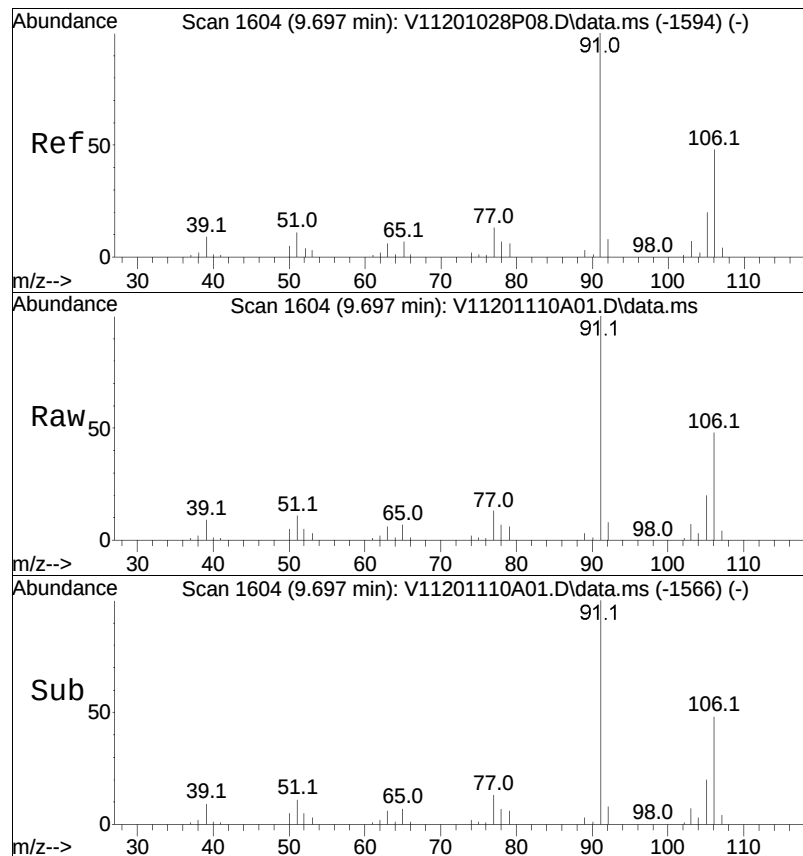




#76
 p/m Xylene
 Concen: 82.83 ug/L
 RT: 9.157 min Scan# 1501
 Delta R.T. 0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

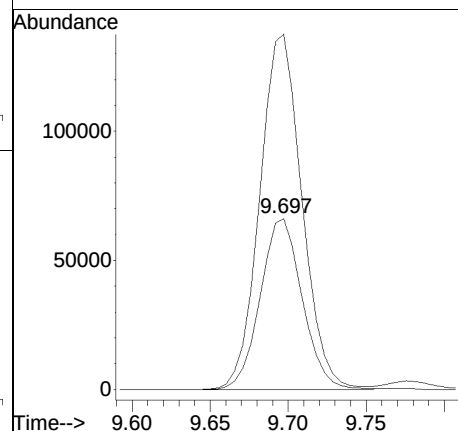
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	197.8	159.3	238.9	

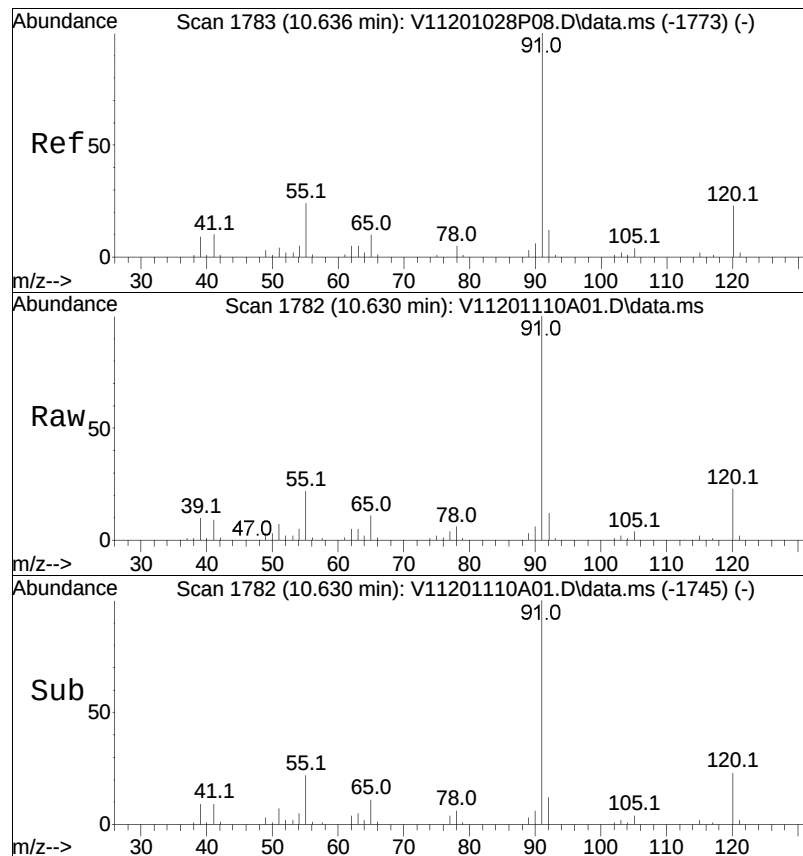




#77
 o Xylene
 Concen: 82.63 ug/L
 RT: 9.697 min Scan# 1604
 Delta R.T. 0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

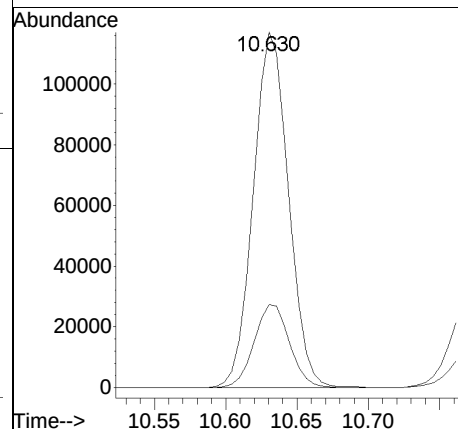
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	209.1	170.2	255.2	

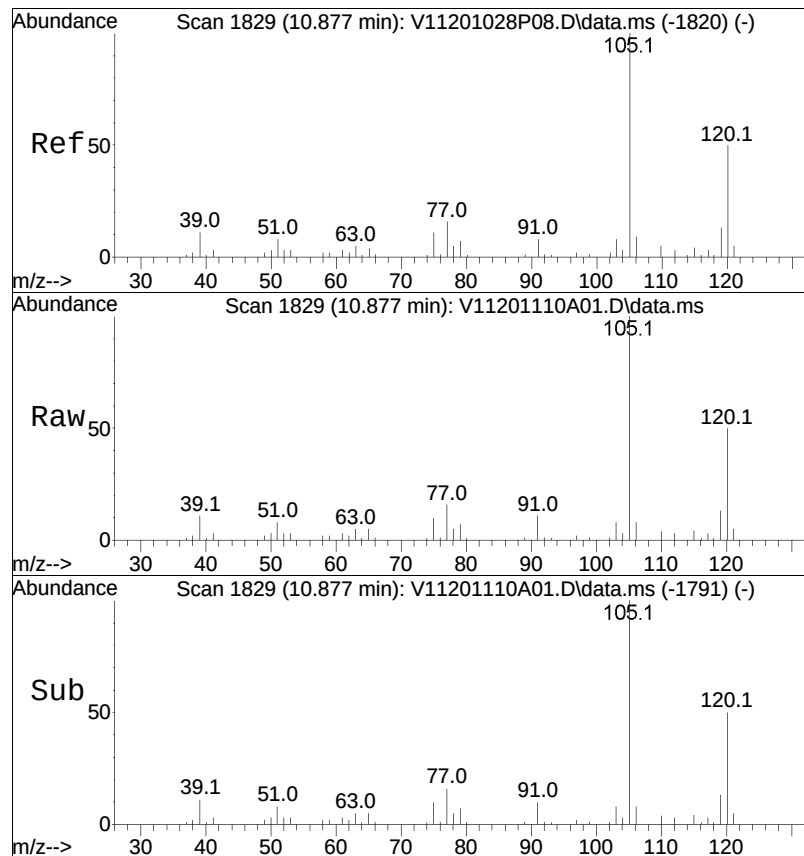




#85
 n-Propylbenzene
 Concen: 37.61 ug/L
 RT: 10.630 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

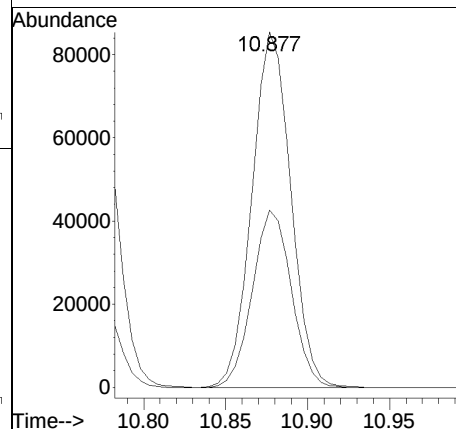
Tgt	Ion	Resp	Lower	Upper
91	100	200338		
120	23.3	18.6	27.8	

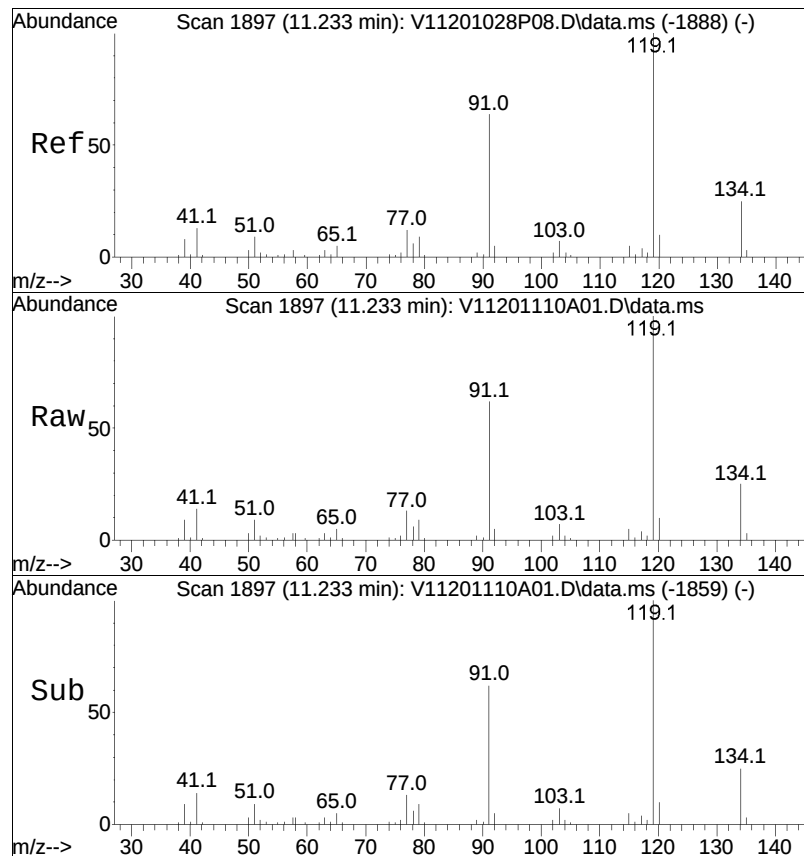




#90
 1,3,5-Trimethylbenzene
 Concen: 38.23 ug/L
 RT: 10.877 min Scan# 1829
 Delta R.T. -0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

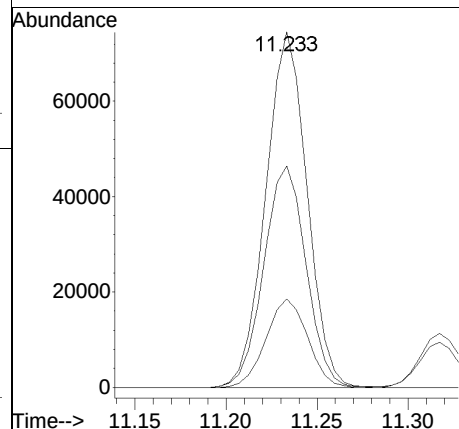
Tgt Ion	105	120	Ratio	Lower	Upper
Resp	140277				
Ion	100				
Ratio		50.2		39.8	59.8

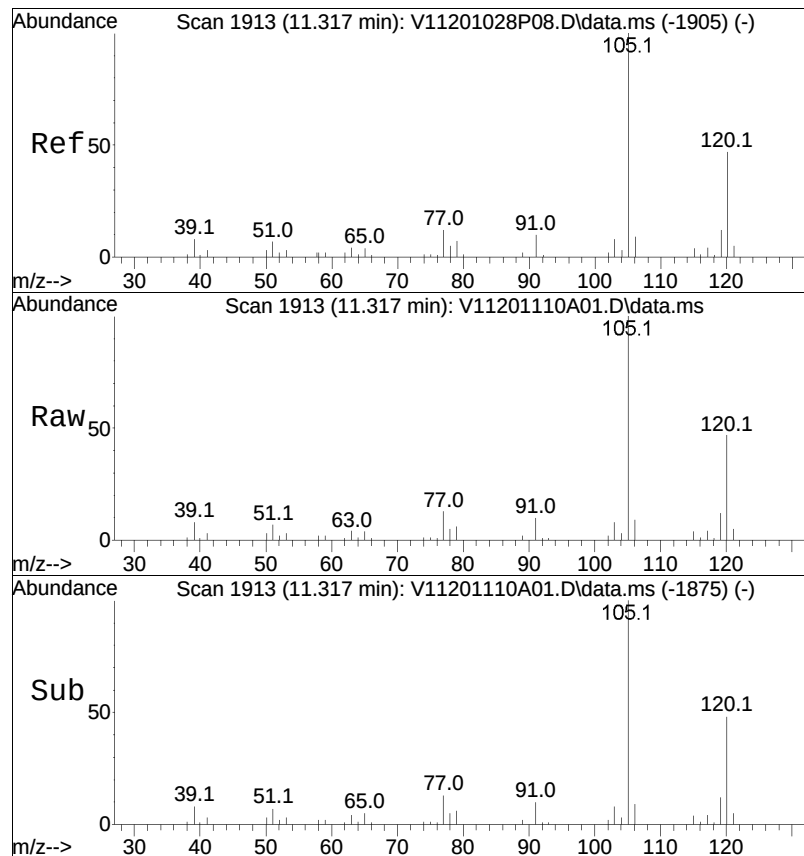




#94
 tert-Butylbenzene
 Concen: 37.74 ug/L
 RT: 11.233 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

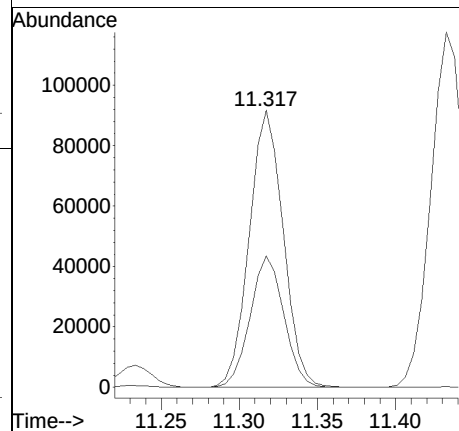
Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.8	53.0	79.4
134	25.1	19.8	29.6

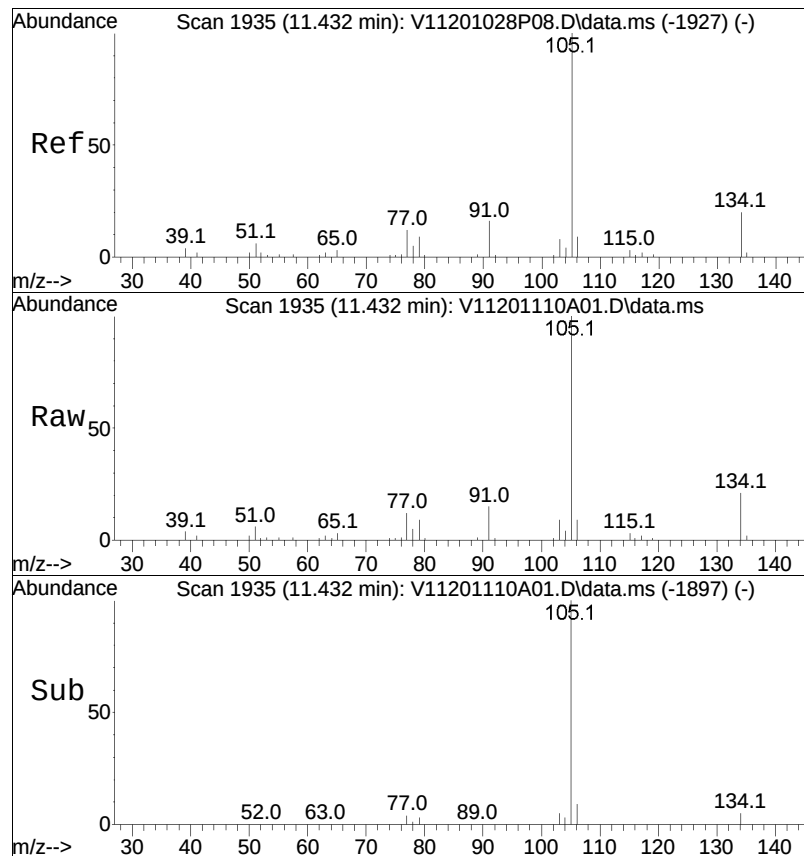




#97
 1,2,4-Trimethylbenzene
 Concen: 39.06 ug/L
 RT: 11.317 min Scan# 1913
 Delta R.T. 0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

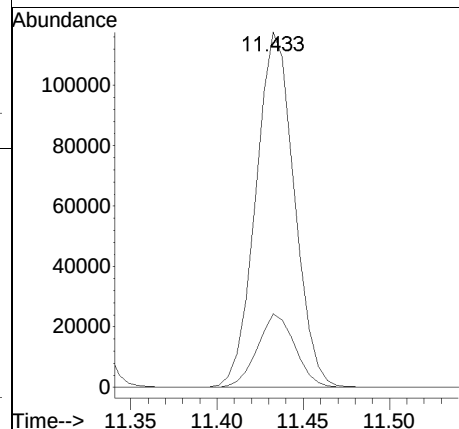
Tgt Ion	105	120	Ratio	Lower	Upper
Resp	139117				
Ion	100	46.9		37.4	56.0

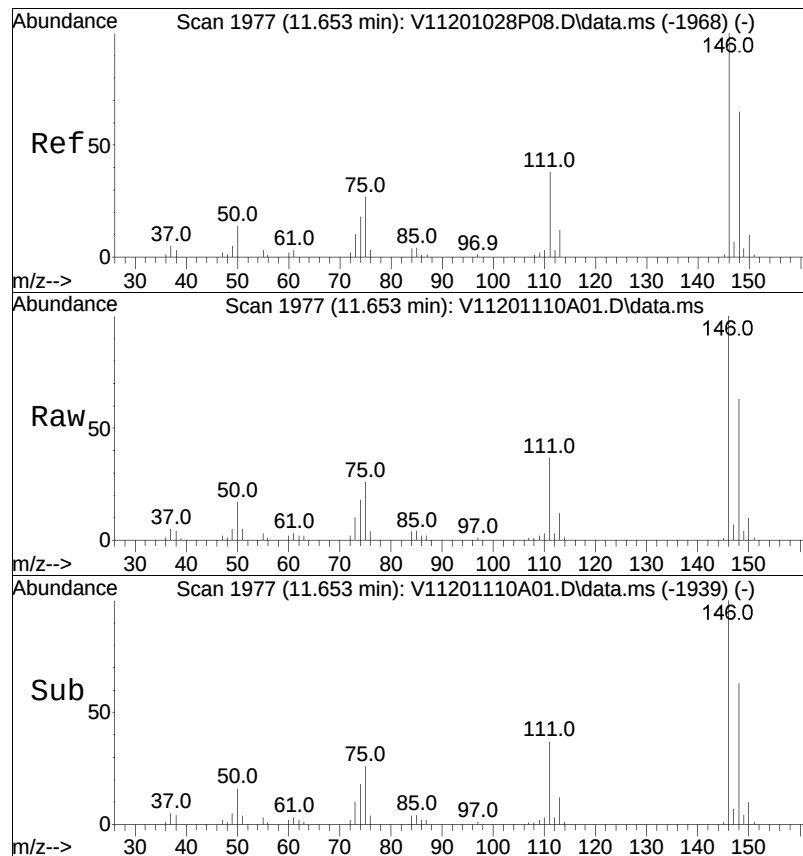




#98
 sec-Butylbenzene
 Concen: 38.47 ug/L
 RT: 11.432 min Scan# 1935
 Delta R.T. 0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

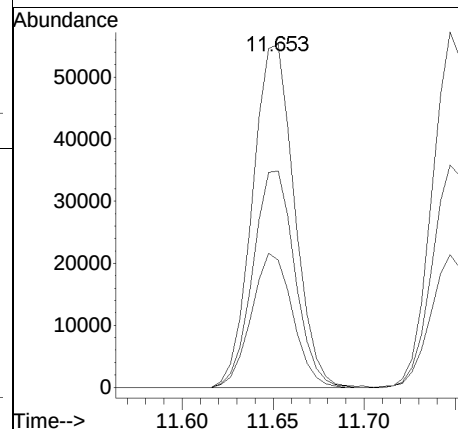
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	20.3	13.2	27.4	

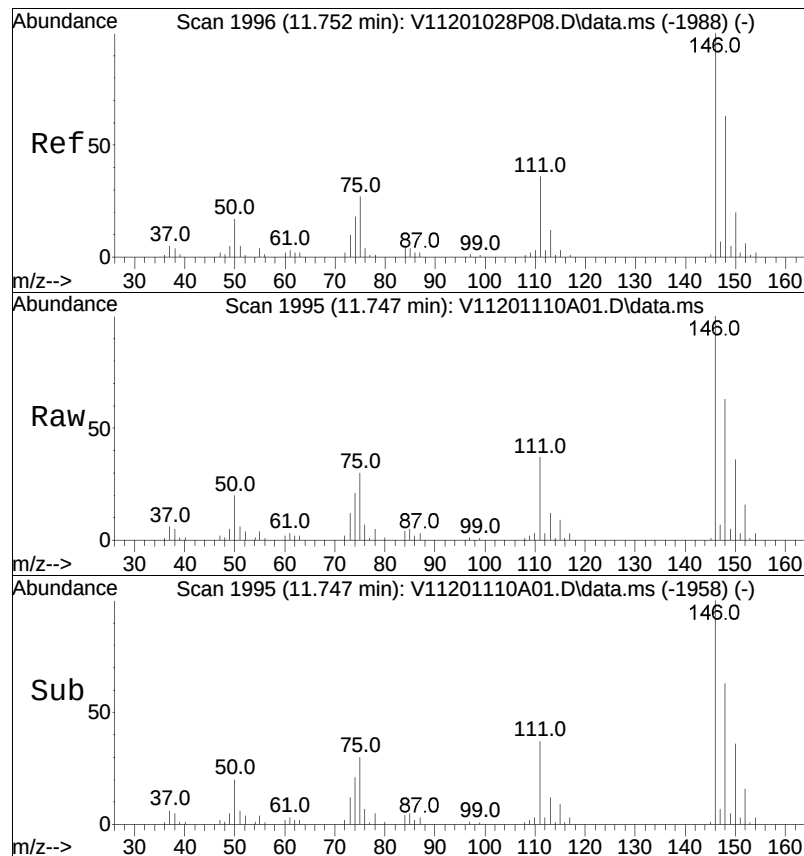




#100
 1,3-Dichlorobenzene
 Concen: 38.11 ug/L
 RT: 11.653 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

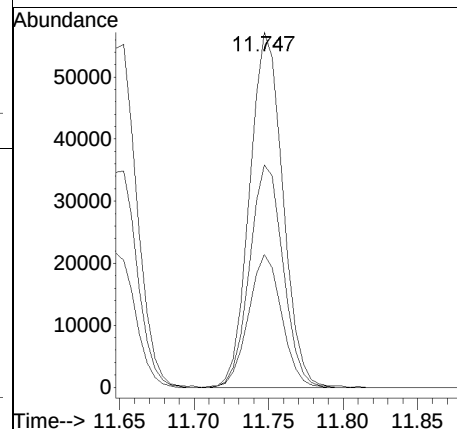
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	25.6	53.2
148	63.0	41.3	85.9

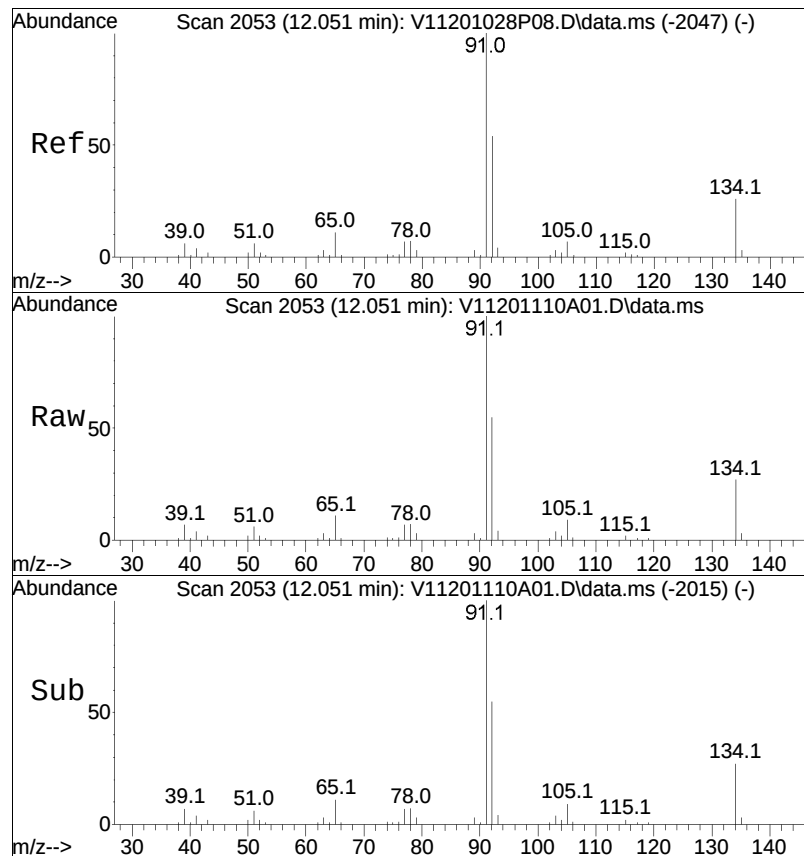




#101
 1,4-Dichlorobenzene
 Concen: 36.94 ug/L
 RT: 11.747 min Scan# 1995
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

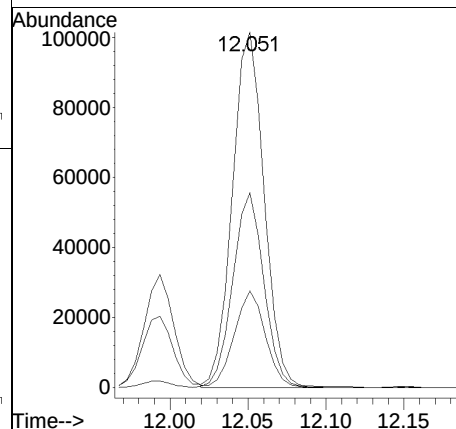
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	31.4	47.0
148	63.2	50.7	76.1

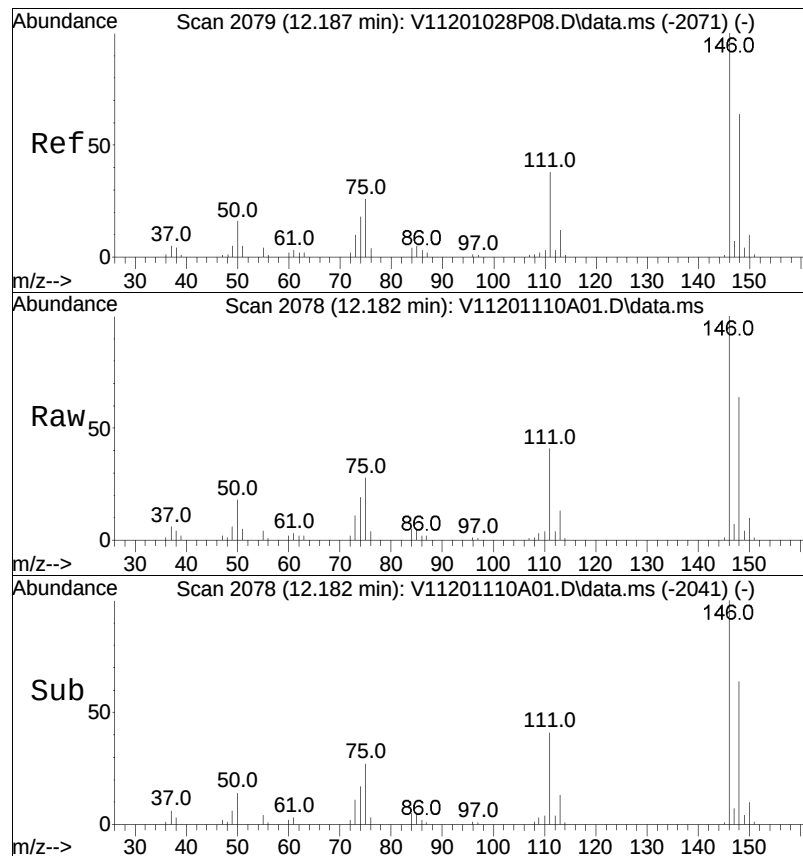




#103
 n-Butylbenzene
 Concen: 39.37 ug/L
 RT: 12.051 min Scan# 2053
 Delta R.T. 0.000 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

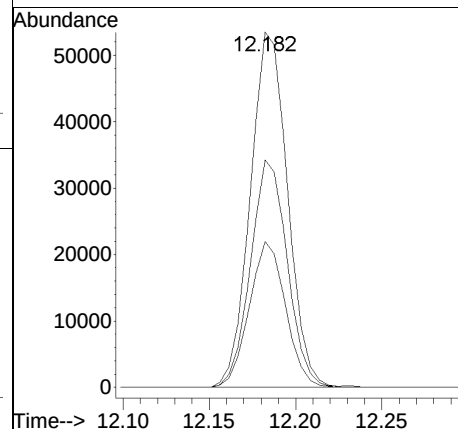
Tgt Ion:	91	Resp:	143515
Ion Ratio	Lower	Upper	
91	100		
92	53.6	43.3	64.9
134	26.5	21.4	32.0





#104
 1,2-Dichlorobenzene
 Concen: 37.27 ug/L
 RT: 12.182 min Scan# 2078
 Delta R.T. -0.005 min
 Lab File: V11201110A01.D
 Acq: 10 Nov 2020 05:56 am

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	26.9	55.9
148	63.1	41.2	85.6



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201110A01.D Operator : VOA111:MV
Date Inj'd : 11/10/2020 5:56 am Instrument : VOA111
Sample : WG1432524-3,31h,15,15,0.1 Quant Date : 11/10/2020 6:15 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-3,31,5,5
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	95477	20.000	ug/L	0.00
Standard Area 1 = 95477			Recovery =	100.00%		
59) Chlorobenzene-d5	8.900	117	72006	20.000	ug/L	0.00
Standard Area 1 = 72006			Recovery =	100.00%		
79) 1,4-Dichlorobenzene-d4	11.731	152	38851	20.000	ug/L	0.00
Standard Area 1 = 38851			Recovery =	100.00%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	24726	20.322	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.61%		
43) 1,2-Dichloroethane-d4	5.162	65	23931	20.274	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.37%		
60) Toluene-d8	7.091	98	92622	19.979	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.89%		
83) 4-Bromofluorobenzene	10.452	95	31130	18.623	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.12%		
Target Compounds						
						Qvalue
4) Vinyl chloride	1.696	62	45313	44.778	ug/L	98
10) 1,1-Dichloroethene	2.598	96	32111	44.755	ug/L	83
15) Methylene chloride	3.085	84	38547	42.149	ug/L	70
17) Acetone	3.122	43	8057	41.505	ug/L	95
18) trans-1,2-Dichloroethene	3.227	96	38431	45.868	ug/L	84
20) Methyl tert-butyl ether	3.316	73	89033	40.750	ug/L	88
23) 1,1-Dichloroethane	3.762	63	69757	45.841	ug/L	97
28) cis-1,2-Dichloroethene	4.244	96	42719	44.698	ug/L #	82
32) Chloroform	4.496	83	71304	45.384	ug/L	96
34) Carbon tetrachloride	4.622	117	56956	46.028	ug/L	99
37) 1,1,1-Trichloroethane	4.685	97	62327	49.569	ug/L	97
39) 2-Butanone	4.774	43	13482	42.238	ug/L #	76
41) Benzene	5.036	78	153459	46.303	ug/L	91
44) 1,2-Dichloroethane	5.230	62	50267	42.240	ug/L	98
48) Trichloroethene	5.613	95	41584	49.272	ug/L	99
57) 1,4-Dioxane	6.415	88	15398	1897.270	ug/L #	75
61) Toluene	7.149	92	98371	44.117	ug/L	96
63) Tetrachloroethene	7.584	166	43199	48.554	ug/L	98
73) Chlorobenzene	8.916	112	111997	43.606	ug/L	96
74) Ethylbenzene	8.968	91	188115	45.682	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-3,31,5,5
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	p/m Xylene	9.157	106	150602	95.933	ug/L	98
77)	o Xylene	9.697	106	138435	94.429	ug/L	96
85)	n-Propylbenzene	10.630	91	228611	43.335	ug/L	100
90)	1,3,5-Trimethylbenzene	10.877	105	159037	43.767	ug/L	99
94)	tert-Butylbenzene	11.233	119	134182	43.533	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	156194	44.285	ug/L	99
98)	sec-Butylbenzene	11.432	105	207593	44.327	ug/L	99
100)	1,3-Dichlorobenzene	11.647	146	95758	41.731	ug/L	99
101)	1,4-Dichlorobenzene	11.747	146	95978	40.301	ug/L	98
103)	n-Butylbenzene	12.051	91	162966	45.143	ug/L	100
104)	1,2-Dichlorobenzene	12.182	146	86406	40.490	ug/L	98

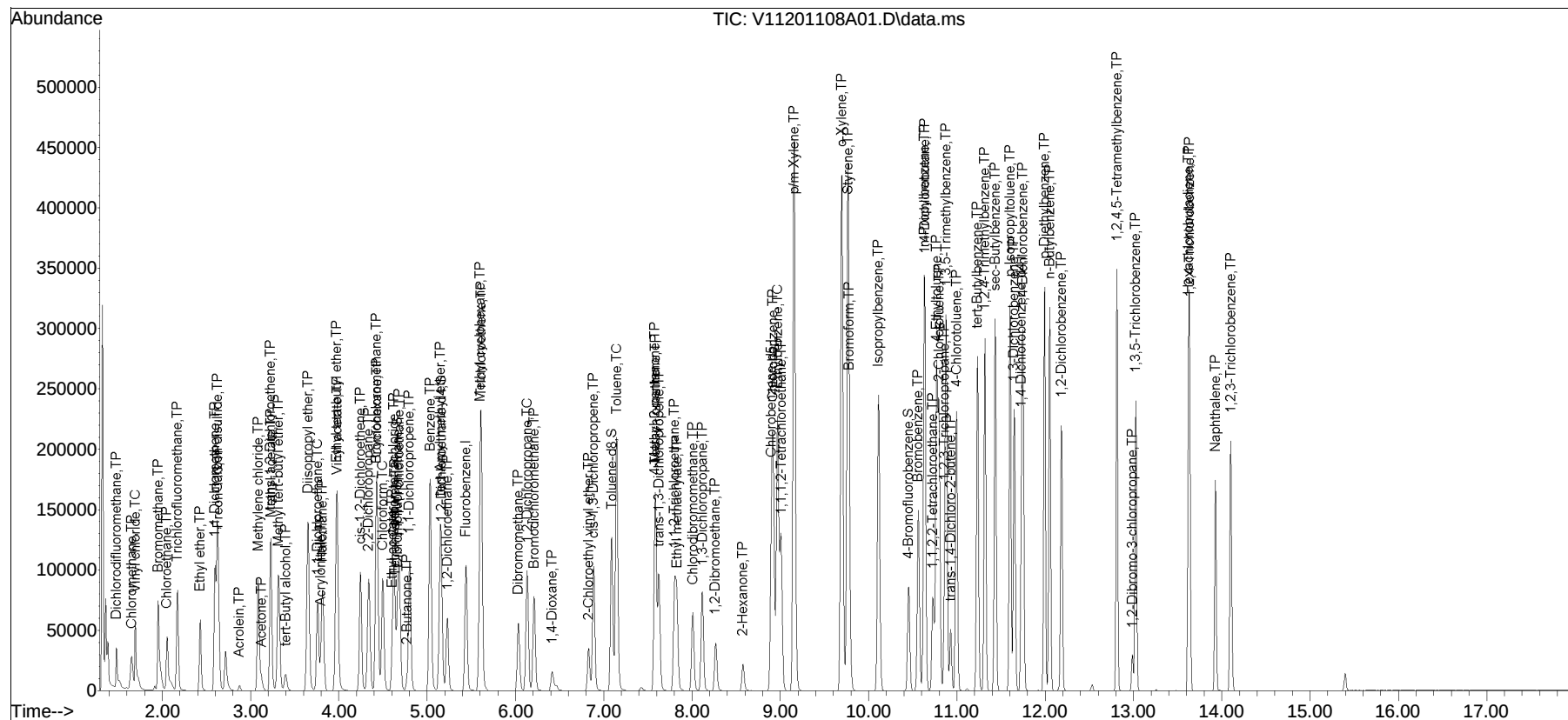
(#) = qualifier out of range (m) = manual integration (+) = signals summed

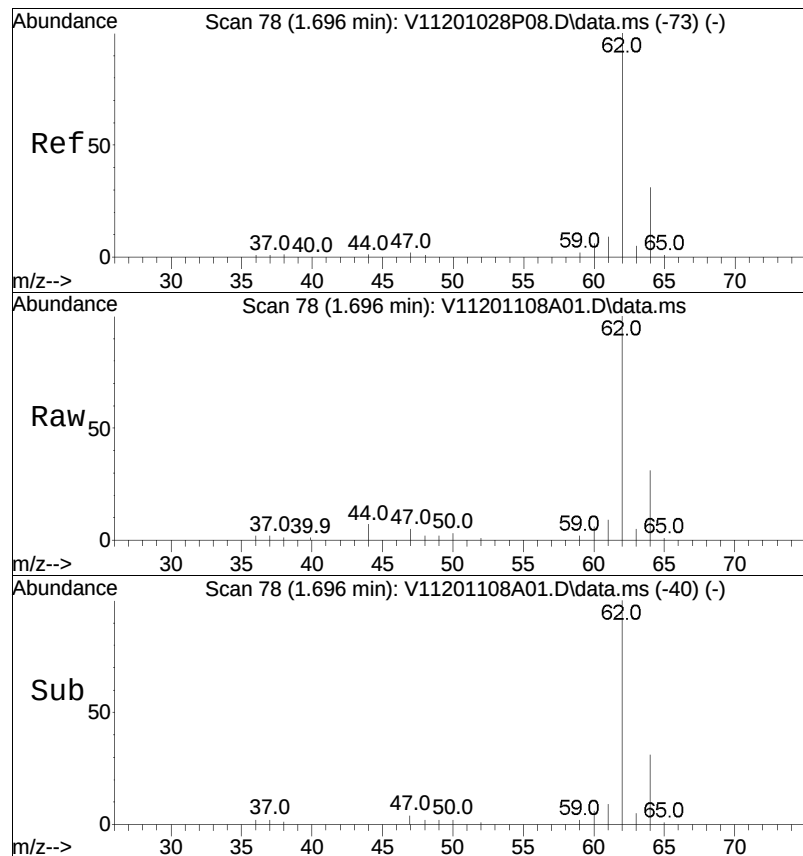
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A01.D
 Acq On : 08 Nov 2020 01:20 pm
 Operator : VOA111:AD
 Sample : WG1431978-3,31,5,5
 Misc : WG1431978,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 13:54:17 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

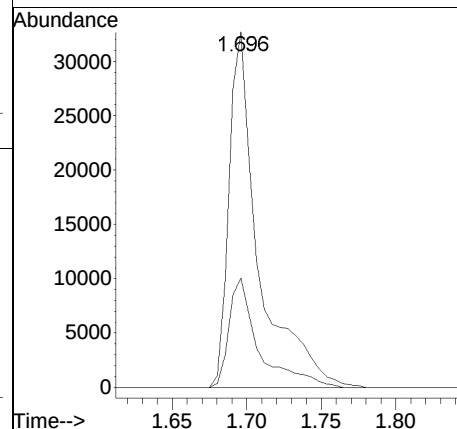
Sub List : 8260-CurveSoil - Megamix plus Diox8A\V11201108A01.D•

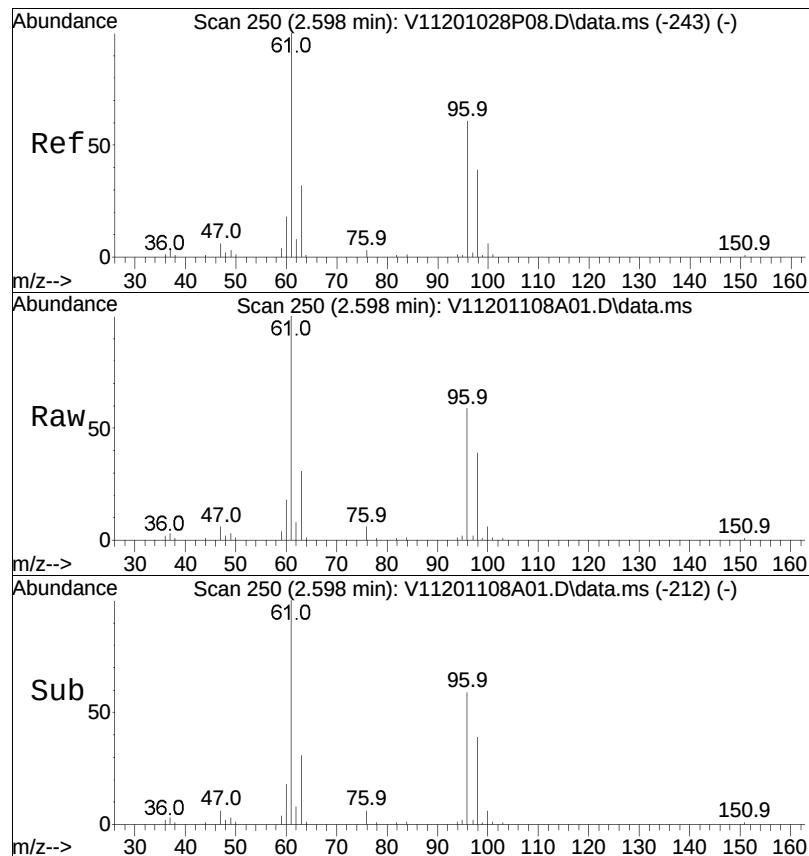




#4
 Vinyl chloride
 Concen: 44.78 ug/L
 RT: 1.696 min Scan# 78
 Delta R.T. 0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

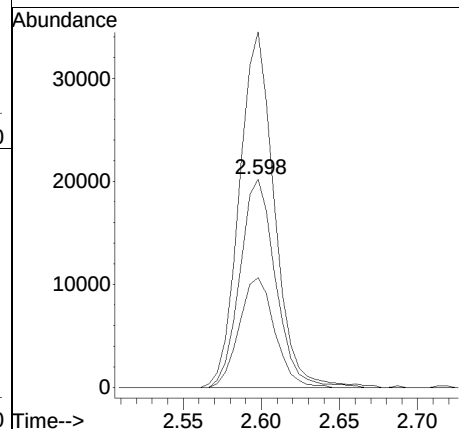
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.0	9.9	49.9

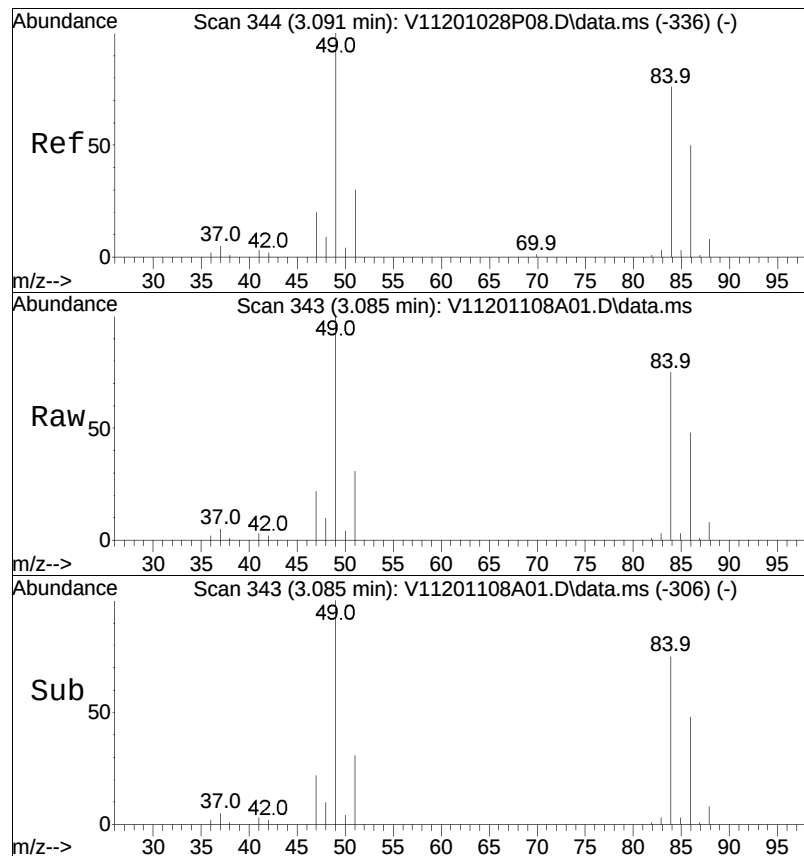




#10
 1,1-Dichloroethene
 Concen: 44.76 ug/L
 RT: 2.598 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

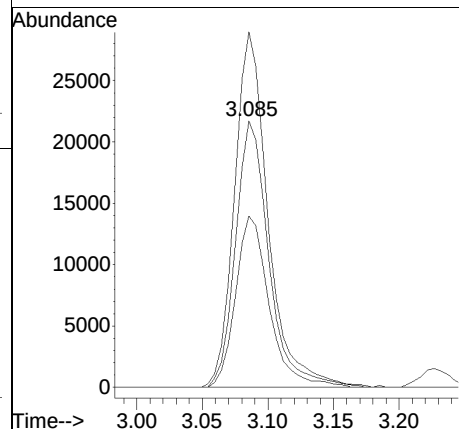
Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.7	157.7	236.5
63	52.5	47.9	71.9

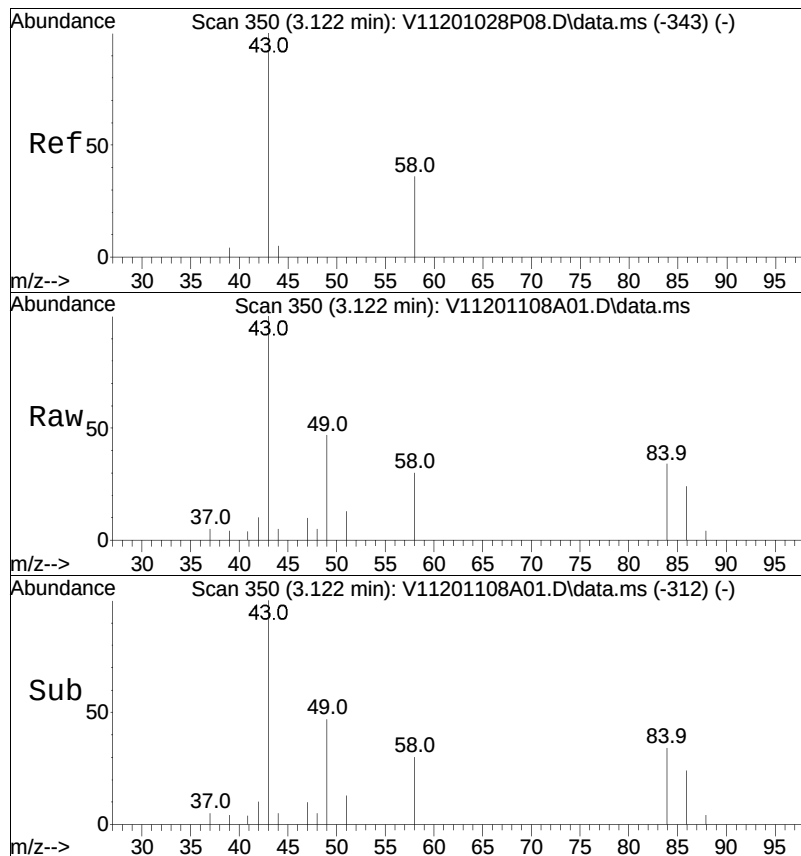




#15
 Methylene chloride
 Concen: 42.15 ug/L
 RT: 3.085 min Scan# 343
 Delta R.T. -0.006 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

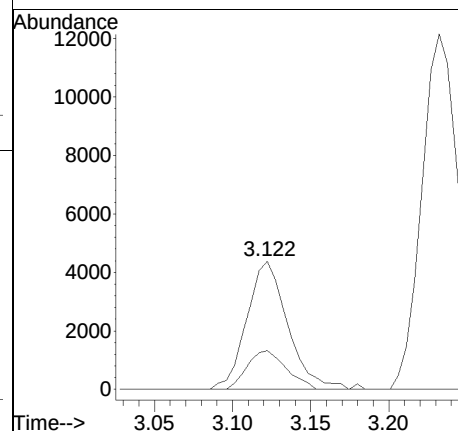
Tgt	Ion	Resp	Lower	Upper
84	100			
86	65.0	41.1	85.3	
49	134.4	124.2	258.0	

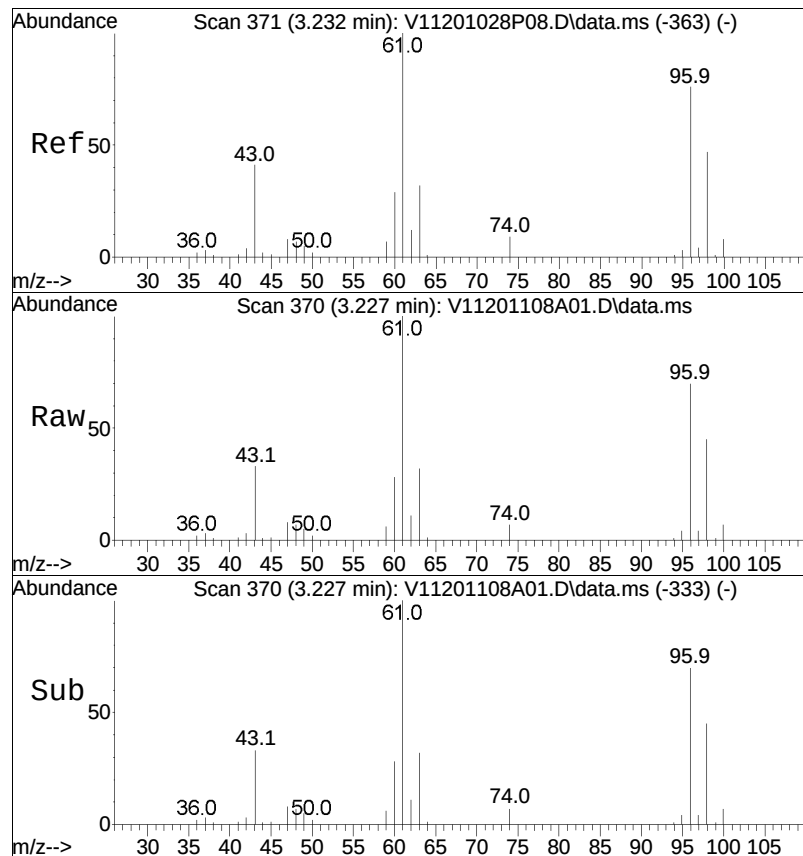




#17
 Acetone
 Concen: 41.51 ug/L
 RT: 3.122 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

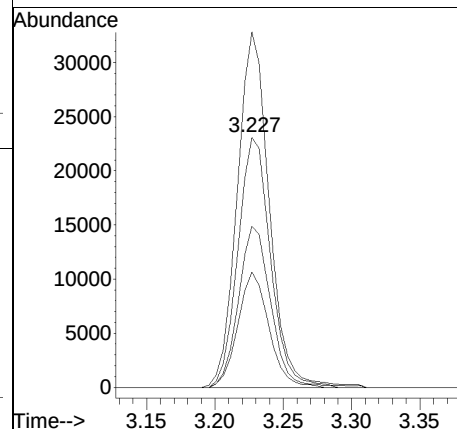
Tgt Ion: 43 Resp: 8057
 Ion Ratio Lower Upper
 43 100
 58 28.7 20.8 31.2

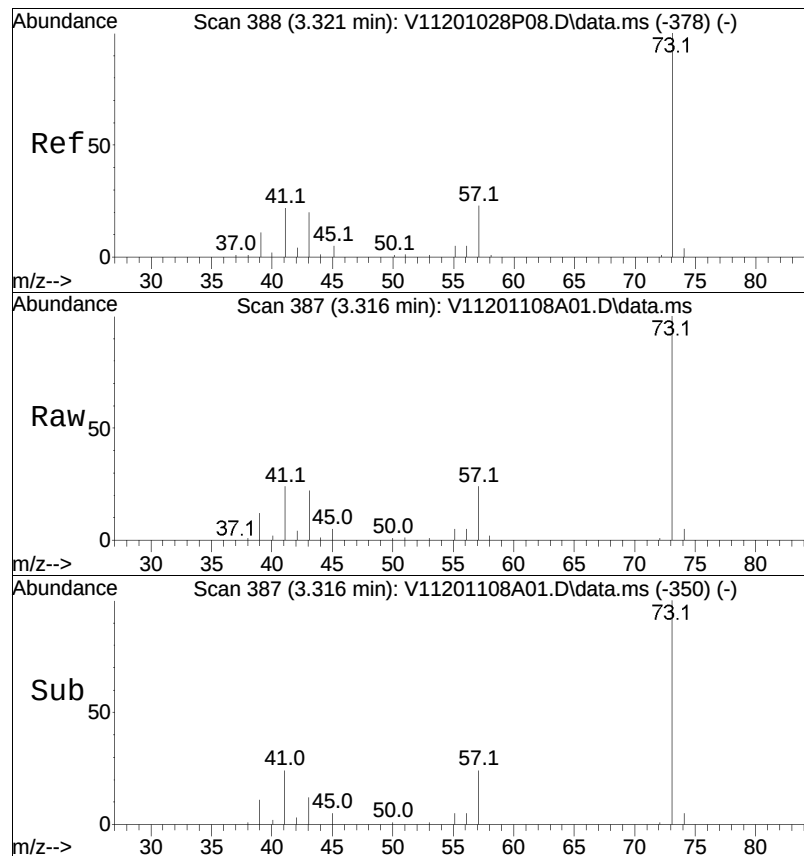




#18
 trans-1,2-Dichloroethene
 Concen: 45.87 ug/L
 RT: 3.227 min Scan# 370
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

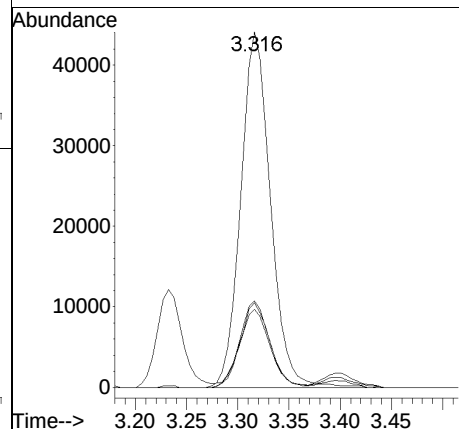
Tgt Ion:	96	Resp:	38431
Ion Ratio	Lower	Upper	
96	100		
61	139.6	111.1	230.8
98	63.2	41.8	86.8
63	43.7	33.3	69.1

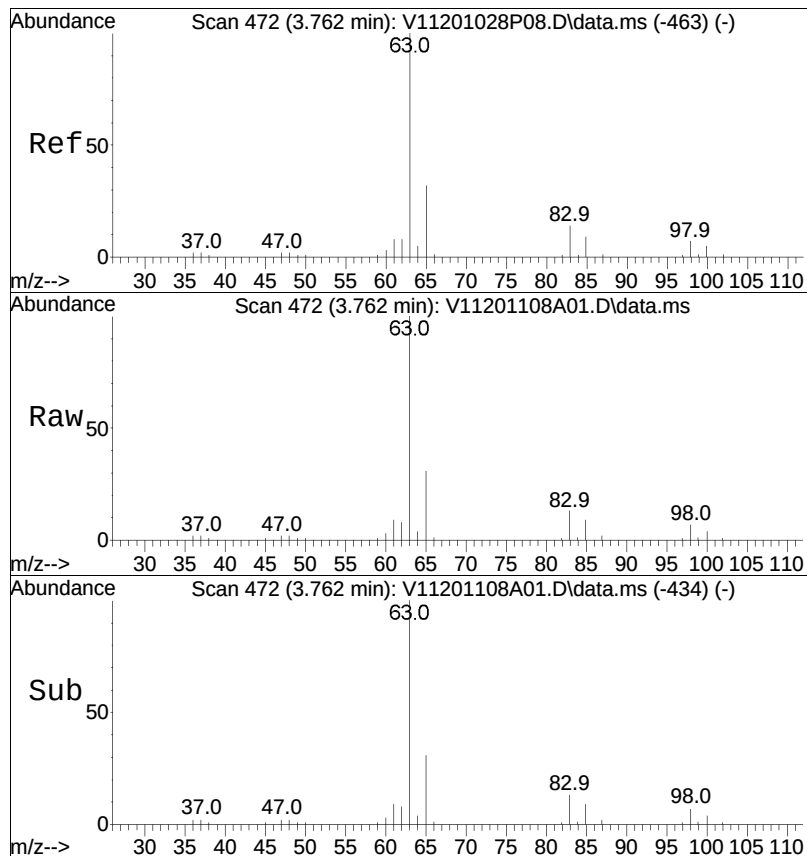




#20
Methyl tert-butyl ether
Concen: 40.75 ug/L
RT: 3.316 min Scan# 387
Delta R.T. -0.005 min
Lab File: V11201108A01.D
Acq: 08 Nov 2020 01:20 pm

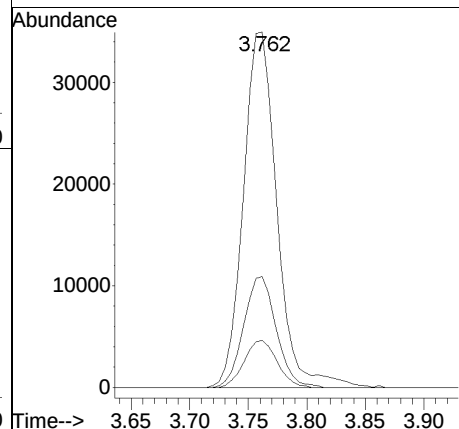
Tgt Ion:	73	Resp:	89033
Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.6	40.6
43	22.7	18.5	38.3
41	24.5	20.3	42.1

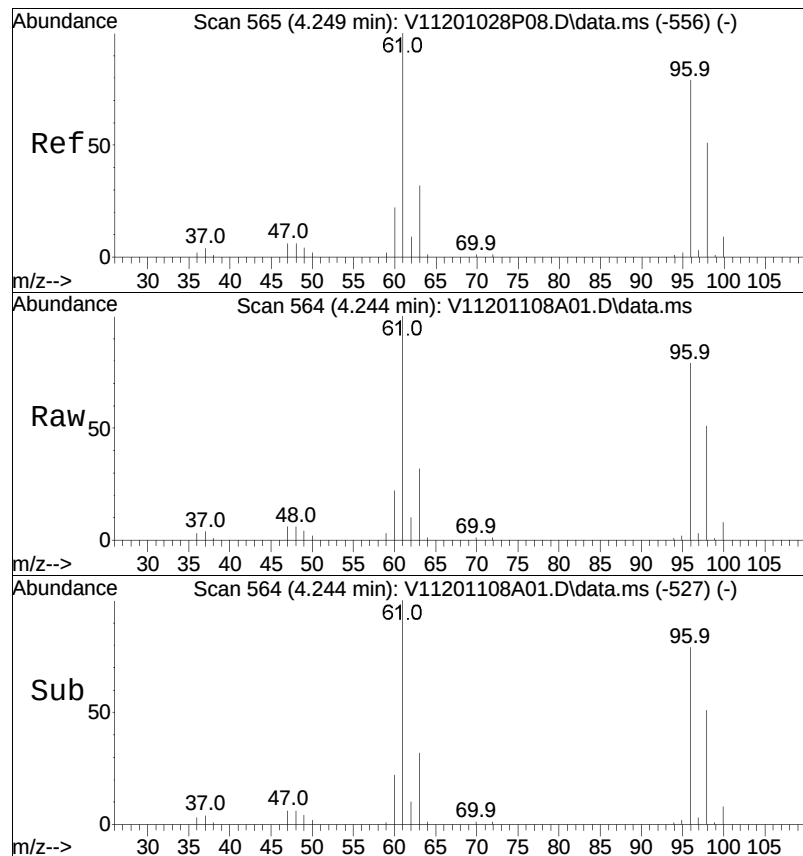




#23
 1,1-Dichloroethane
 Concen: 45.84 ug/L
 RT: 3.762 min Scan# 472
 Delta R.T. -0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

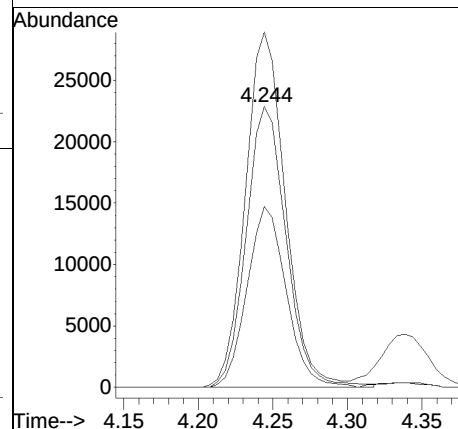
Tgt	Ion	Ratio	Lower	Upper
63	100			
65	30.2	9.0	49.0	
83	12.9	0.0	31.4	

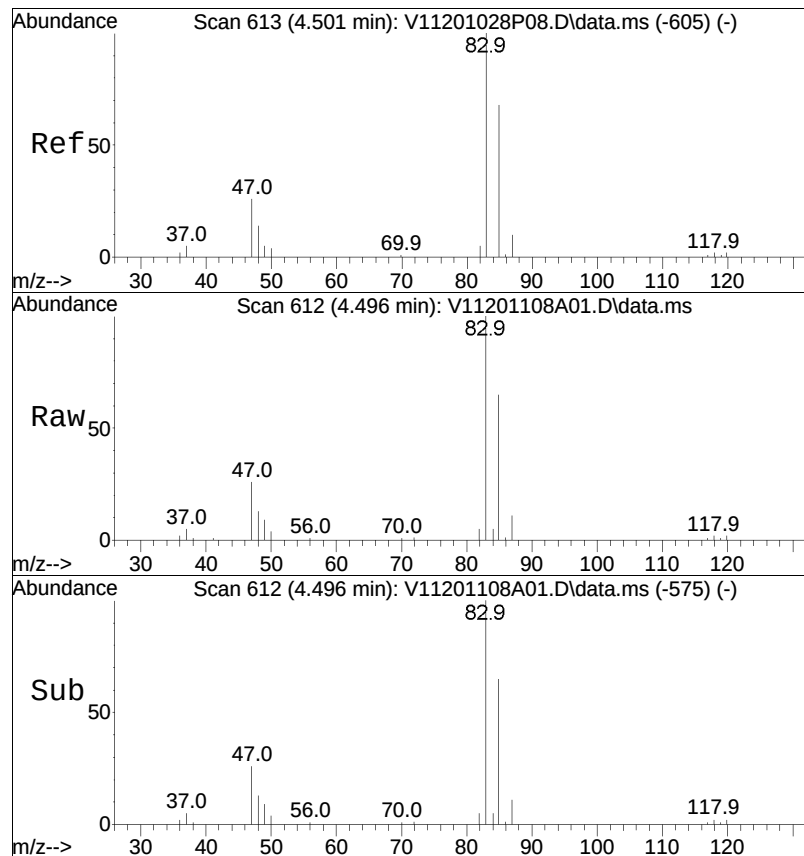




#28
 cis-1,2-Dichloroethene
 Concen: 44.70 ug/L
 RT: 4.244 min Scan# 564
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

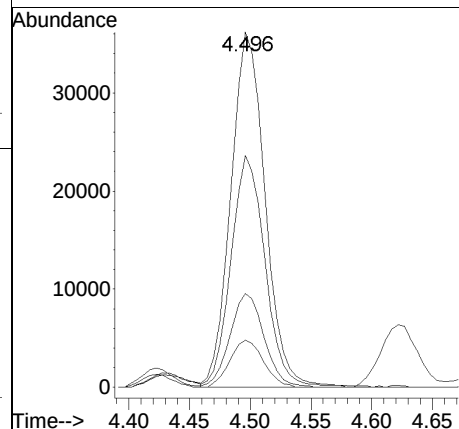
Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.8	126.3	189.5#
98	63.1	51.0	76.6

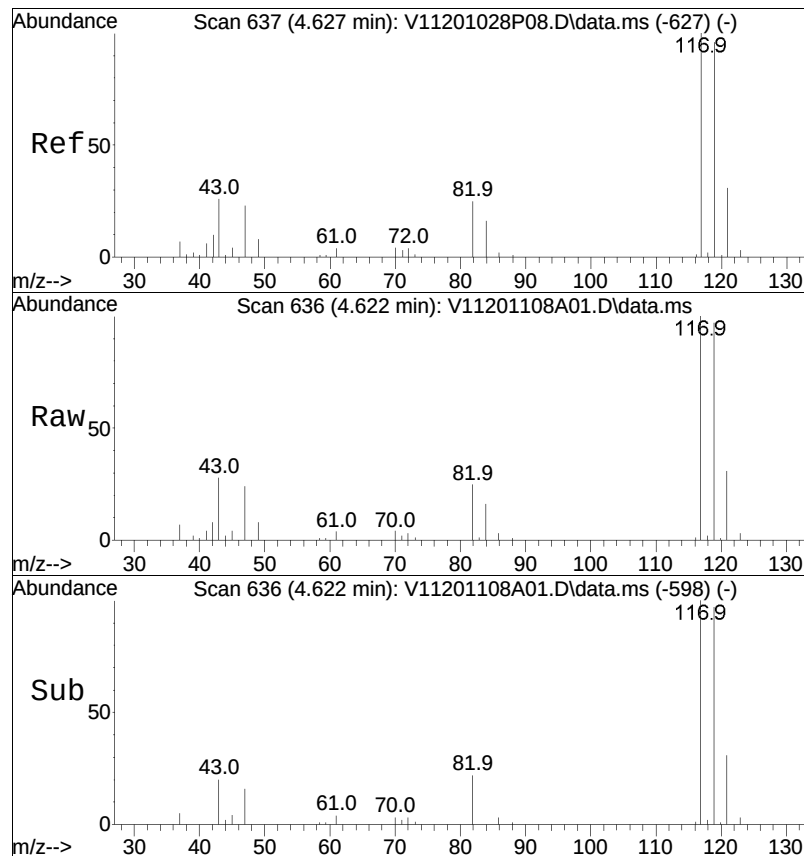




#32
 Chloroform
 Concen: 45.38 ug/L
 RT: 4.496 min Scan# 612
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

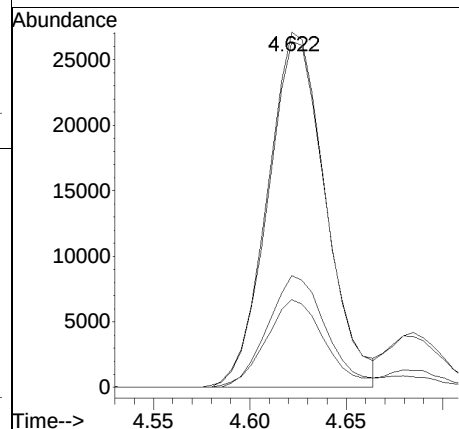
Tgt	Ion: 83	Resp:	71304
Ion	Ratio	Lower	Upper
83	100		
85	64.7	41.9	87.1
47	26.2	20.9	43.3
48	13.1	9.9	20.5

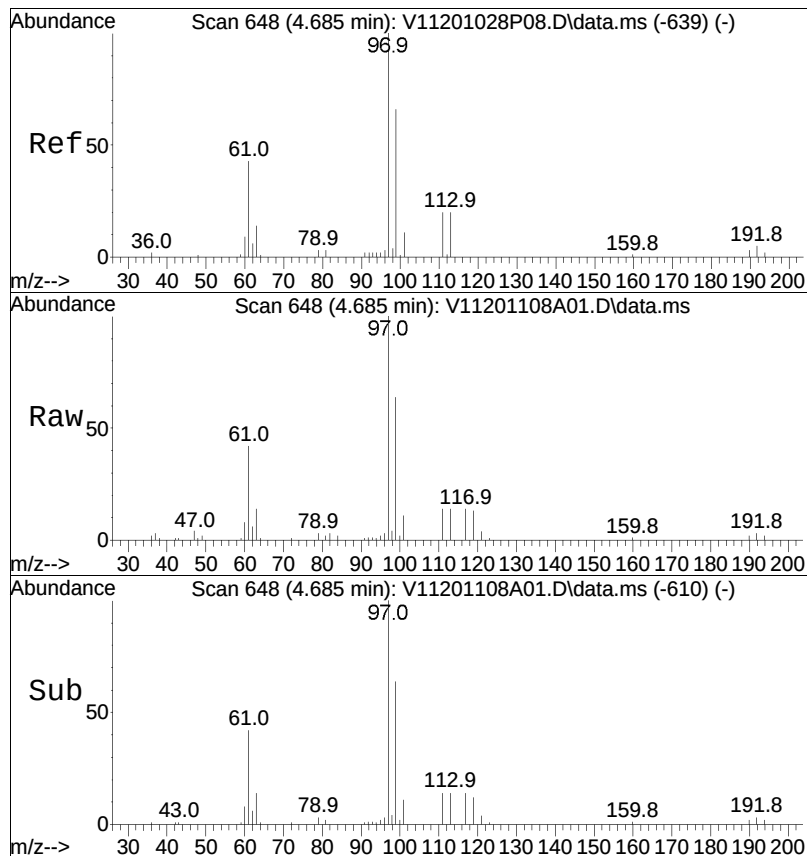




#34
 Carbon tetrachloride
 Concen: 46.03 ug/L
 RT: 4.622 min Scan# 636
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

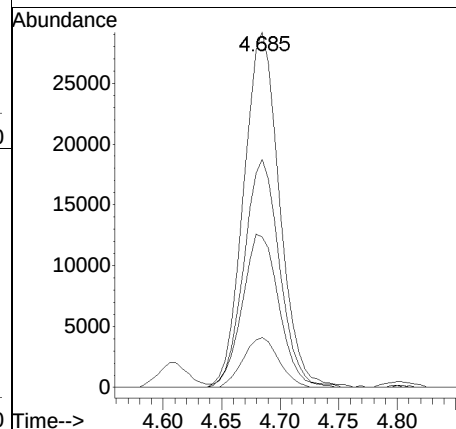
Tgt Ion:	117	Resp:	56956
Ion Ratio	Lower	Upper	
117	100		
119	97.5	64.0	132.8
121	31.3	20.7	42.9
82	25.1	16.3	33.8

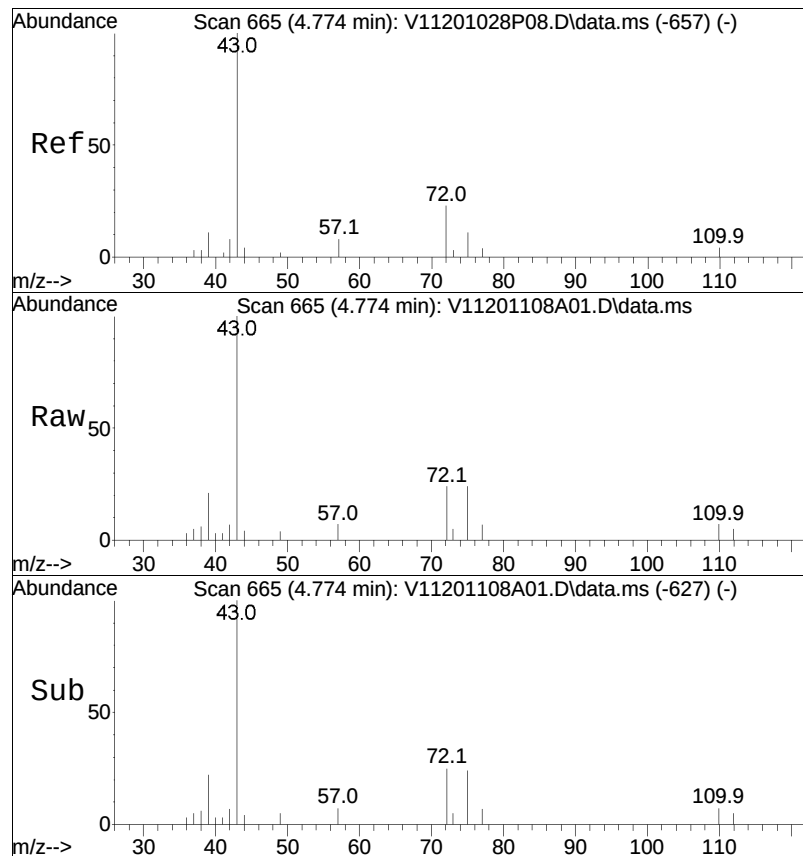




#37
 1,1,1-Trichloroethane
 Concen: 49.57 ug/L
 RT: 4.685 min Scan# 648
 Delta R.T. -0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

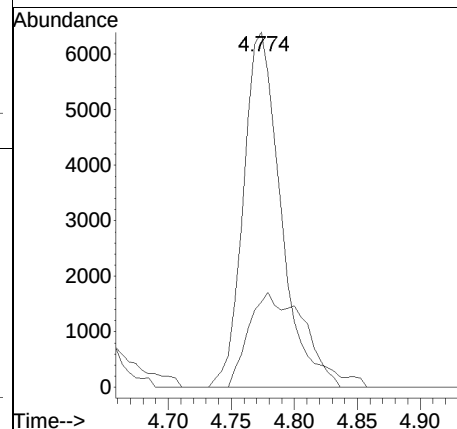
Tgt Ion:	97	Resp:	62327
Ion	Ratio	Lower	Upper
97	100		
99	63.8	41.5	86.1
61	44.3	32.2	67.0
63	14.0	10.1	20.9

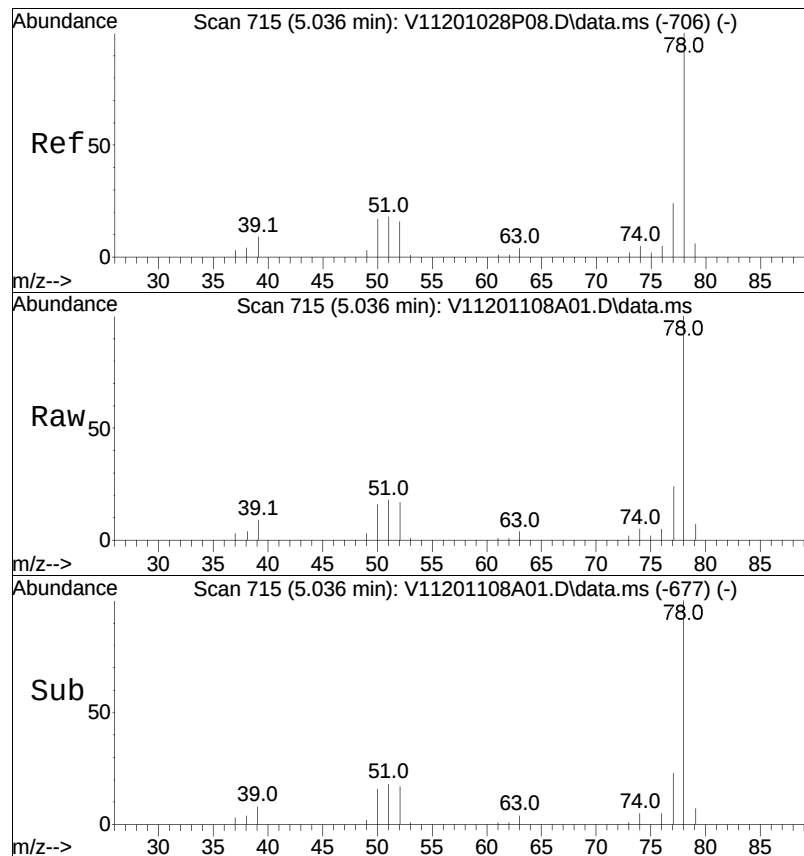




#39
 2-Butanone
 Concen: 42.24 ug/L
 RT: 4.774 min Scan# 665
 Delta R.T. -0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

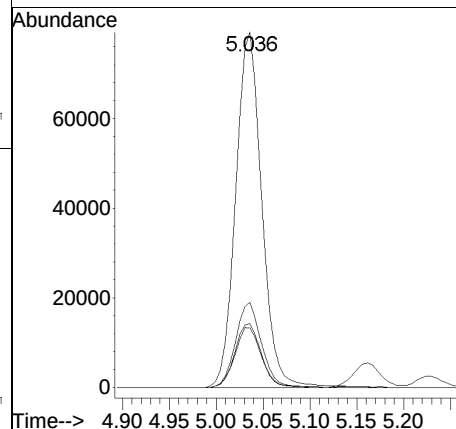
Tgt Ion:	43	72	Ratio	Lower	Upper
Resp:	13482				
Ion Ratio	100	38.4		21.0	31.6#

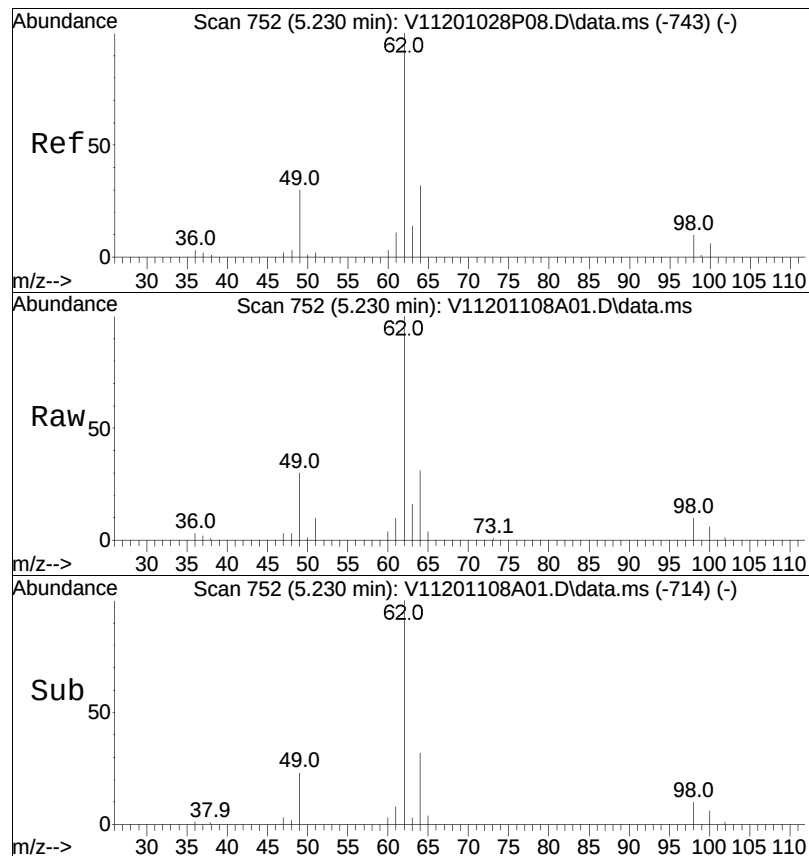




#41
Benzene
Concen: 46.30 ug/L
RT: 5.036 min Scan# 715
Delta R.T. -0.000 min
Lab File: V11201108A01.D
Acq: 08 Nov 2020 01:20 pm

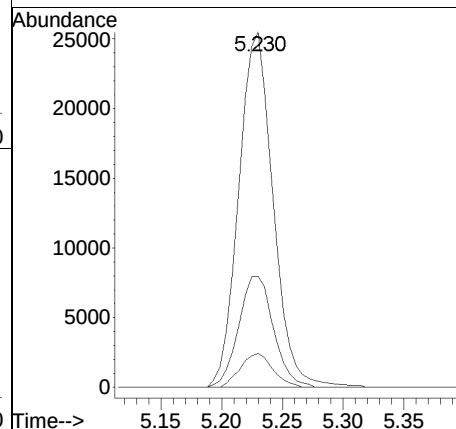
Tgt Ion:	78	Resp:	153459
Ion Ratio	Lower	Upper	
78	100		
77	23.7	15.1	31.3
51	18.1	15.8	32.8
52	16.9	15.6	32.4

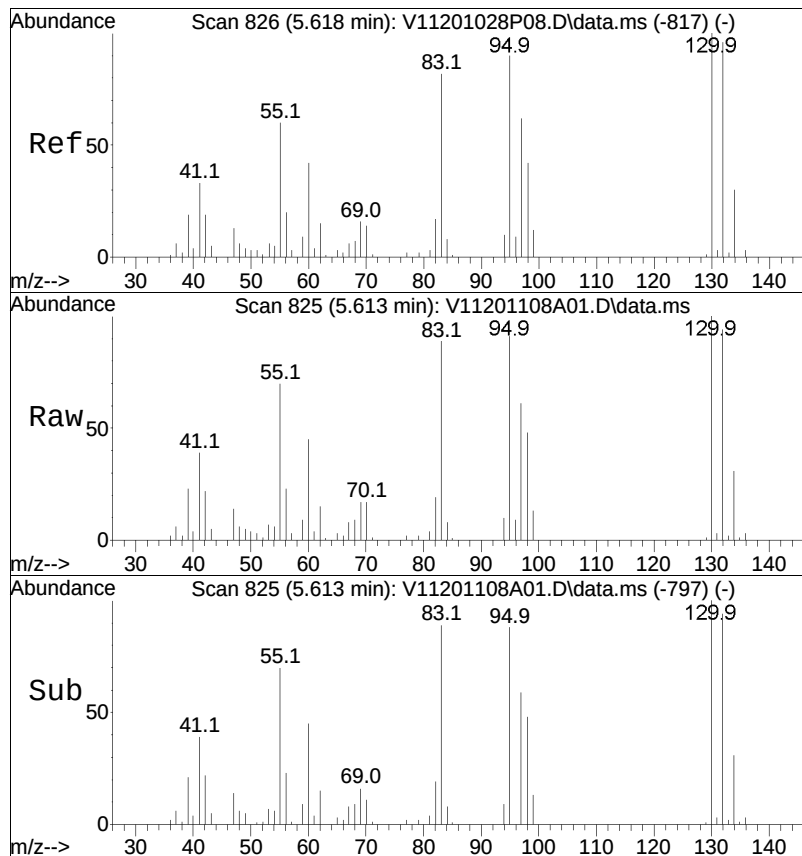




#44
 1,2-Dichloroethane
 Concen: 42.24 ug/L
 RT: 5.230 min Scan# 752
 Delta R.T. -0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

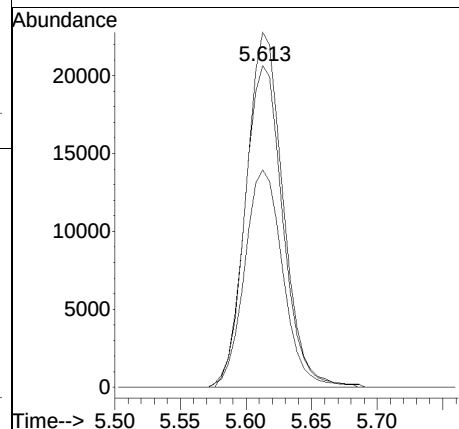
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	11.1	51.1
98	9.1	0.0	28.0

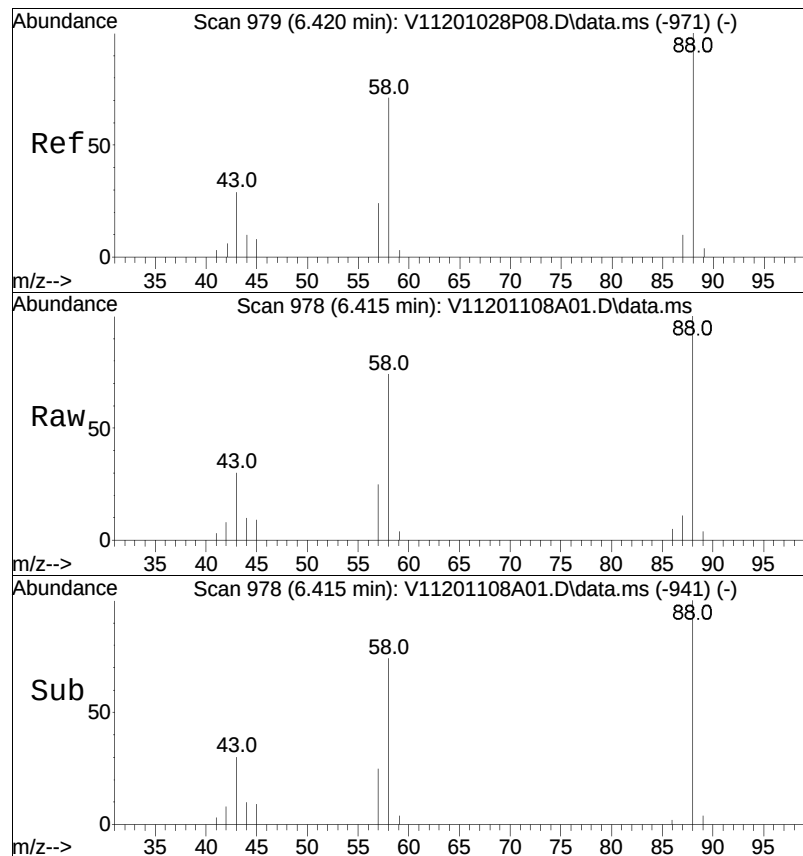




#48
 Trichloroethene
 Concen: 49.27 ug/L
 RT: 5.613 min Scan# 825
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

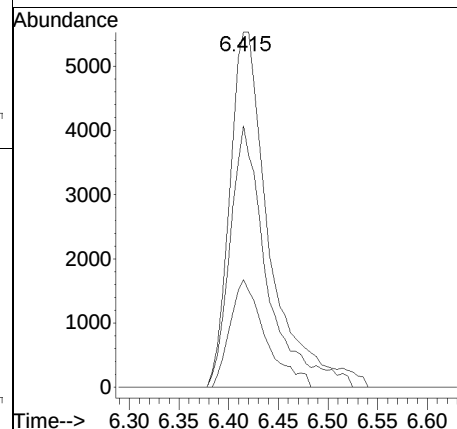
Tgt Ion:	95	Resp:	41584
Ion Ratio	Lower	Upper	
95	100		
97	68.4	54.3	81.5
130	107.3	84.6	126.8

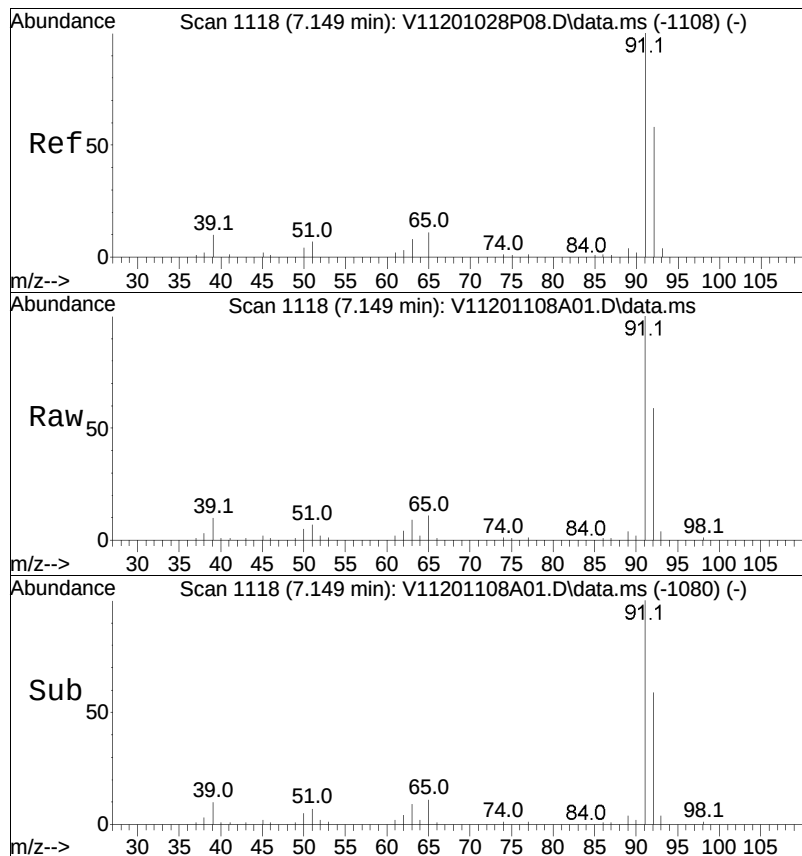




#57
 1,4-Dioxane
 Concen: 1897.27 ug/L
 RT: 6.415 min Scan# 978
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

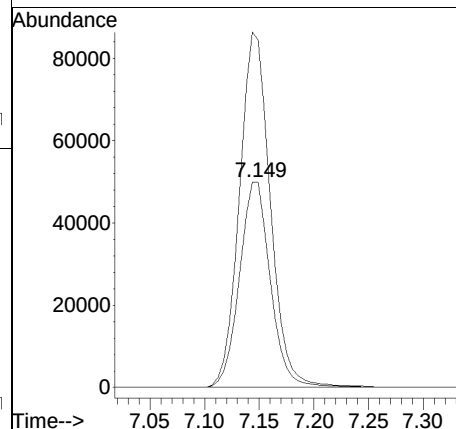
Tgt	Ion	Ratio	Lower	Upper
88	100			
58	68.9	75.4	113.0#	
43	27.3	33.5	50.3#	

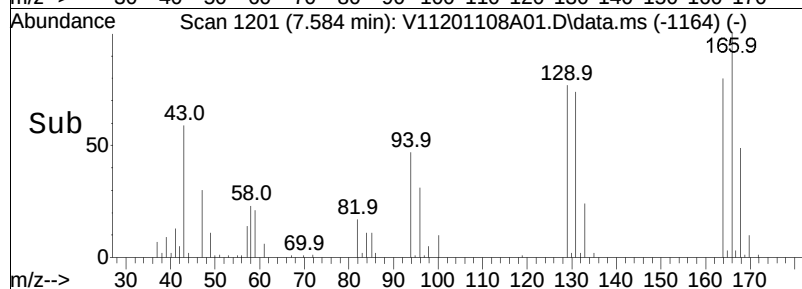
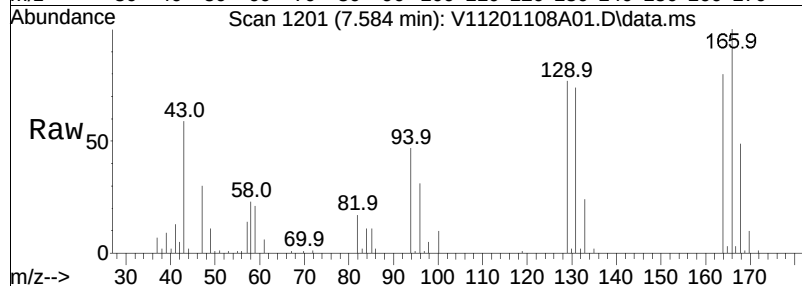
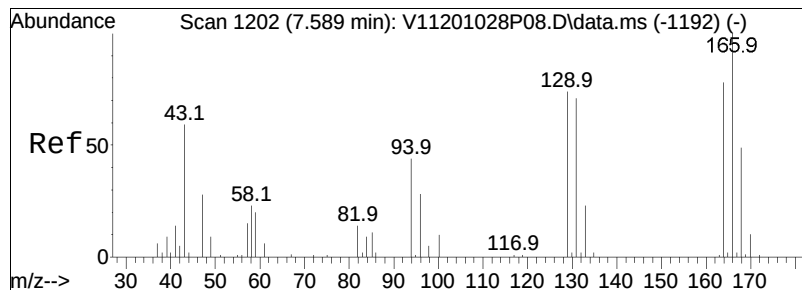




#61
Toluene
Concen: 44.12 ug/L
RT: 7.149 min Scan# 1118
Delta R.T. -0.000 min
Lab File: V11201108A01.D
Acq: 08 Nov 2020 01:20 pm

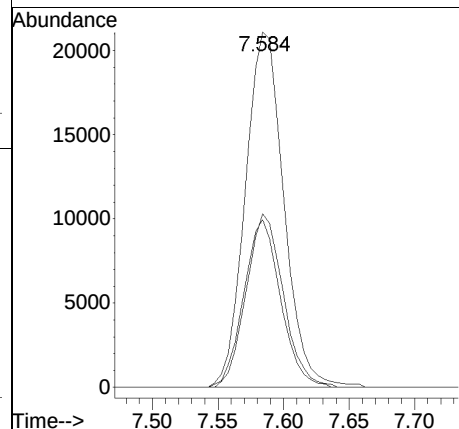
Tgt	Ion	Resp	Lower	Upper
92	100			
91	172.6	133.7	200.5	

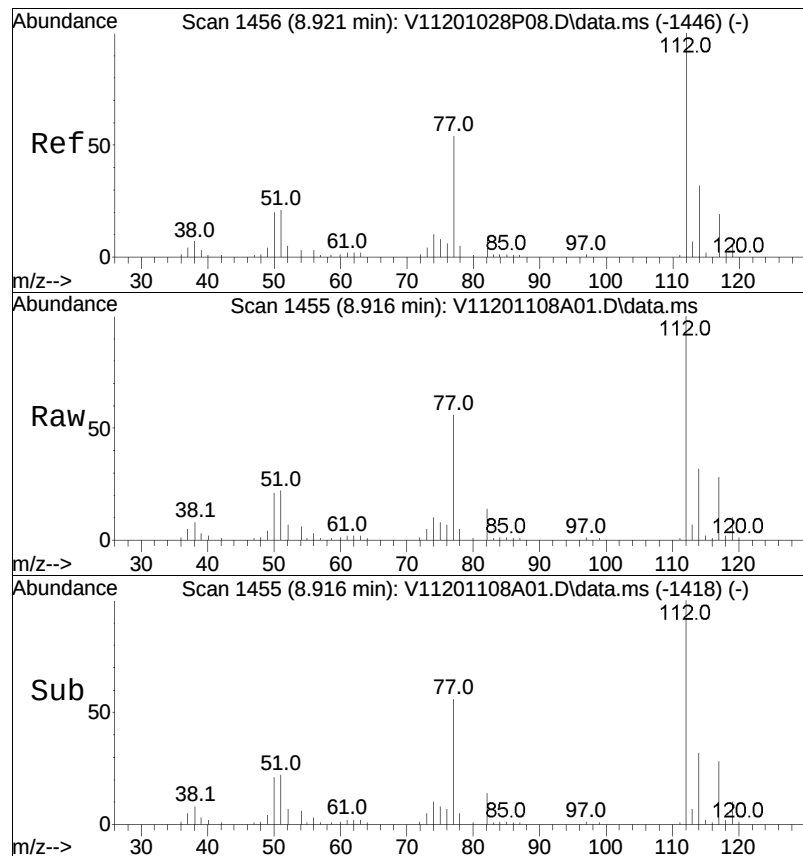




#63
Tetrachloroethene
Concen: 48.55 ug/L
RT: 7.584 min Scan# 1201
Delta R.T. -0.005 min
Lab File: V11201108A01.D
Acq: 08 Nov 2020 01:20 pm

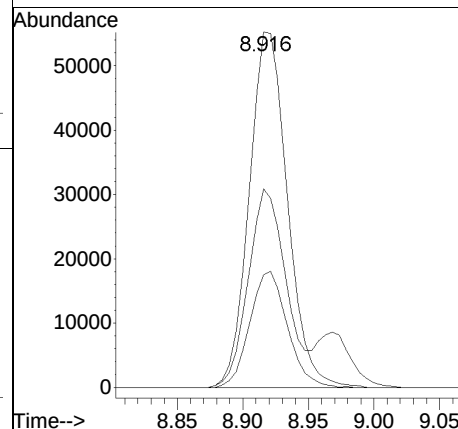
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	43199		
168	47.0		28.2	68.2
94	45.0		26.3	66.3

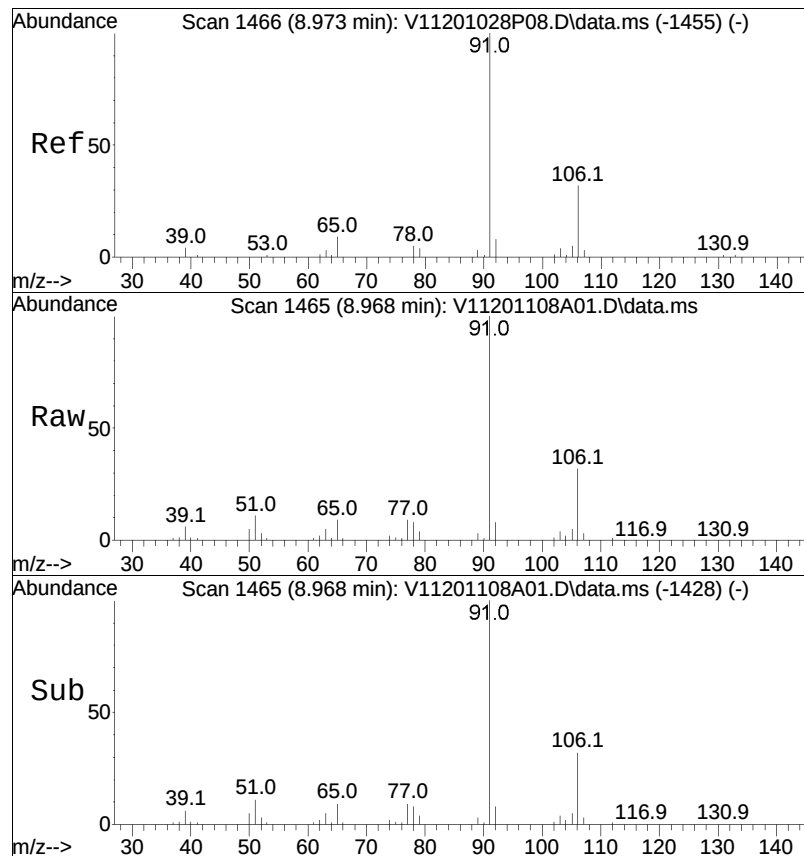




#73
 Chlorobenzene
 Concen: 43.61 ug/L
 RT: 8.916 min Scan# 1455
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

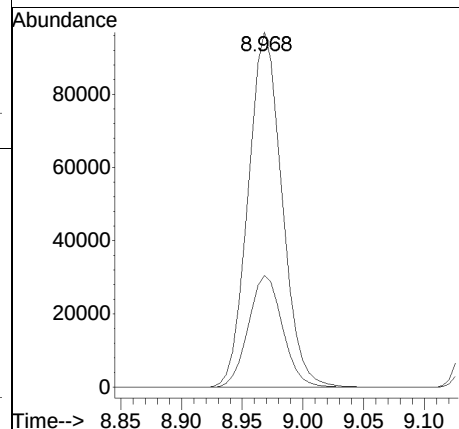
Tgt Ion:	112	Resp:	111997
Ion Ratio	Lower	Upper	
112	100		
77	54.6	47.0	70.4
114	32.0	25.9	38.9

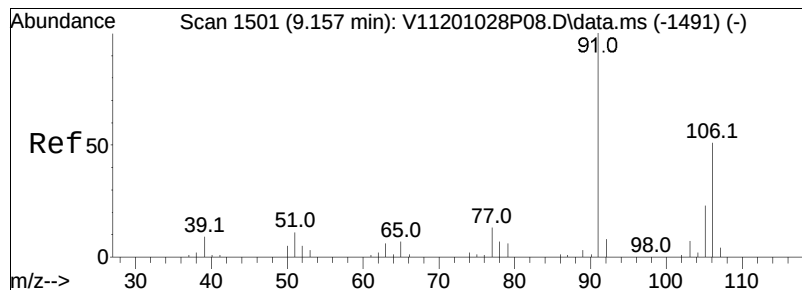




#74
 Ethylbenzene
 Concen: 45.68 ug/L
 RT: 8.968 min Scan# 1465
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

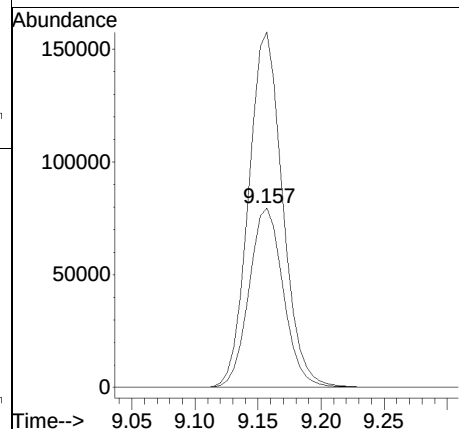
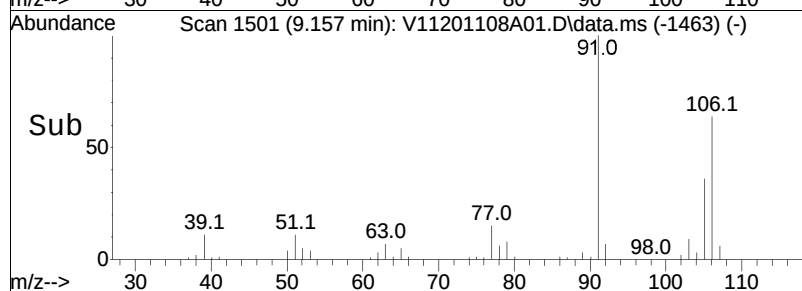
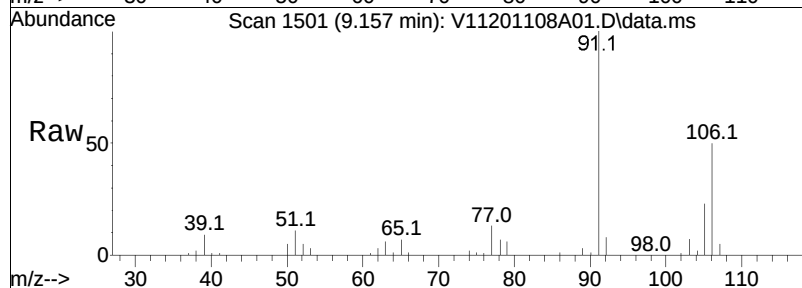
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.4

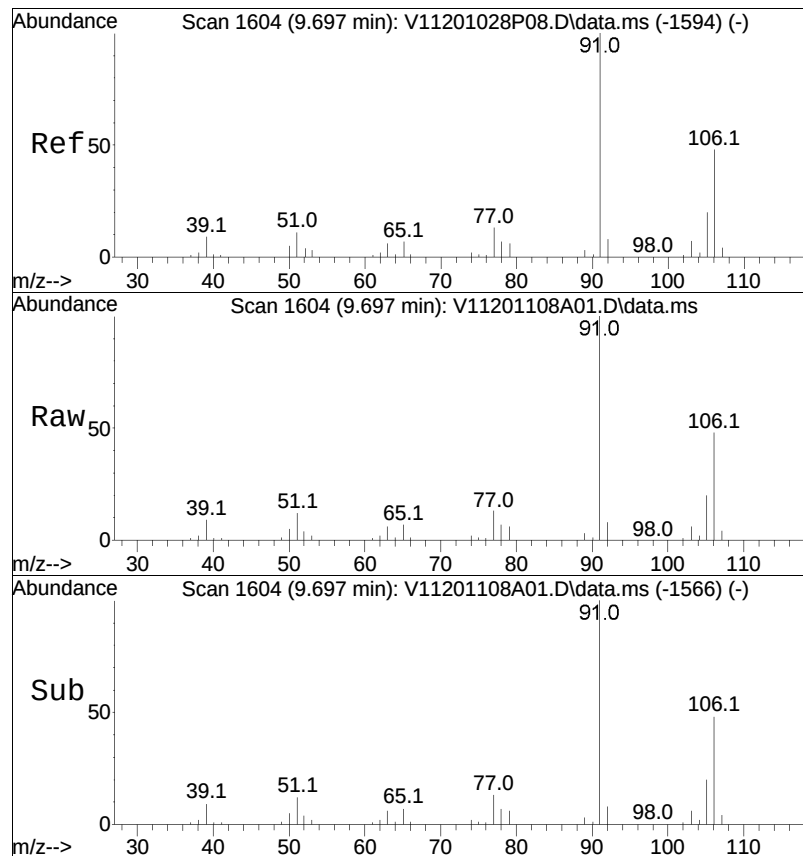




#76
 p/m Xylene
 Concen: 95.93 ug/L
 RT: 9.157 min Scan# 1501
 Delta R.T. -0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

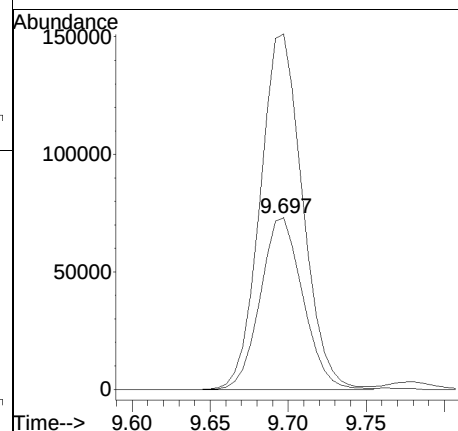
Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.6	159.3	238.9

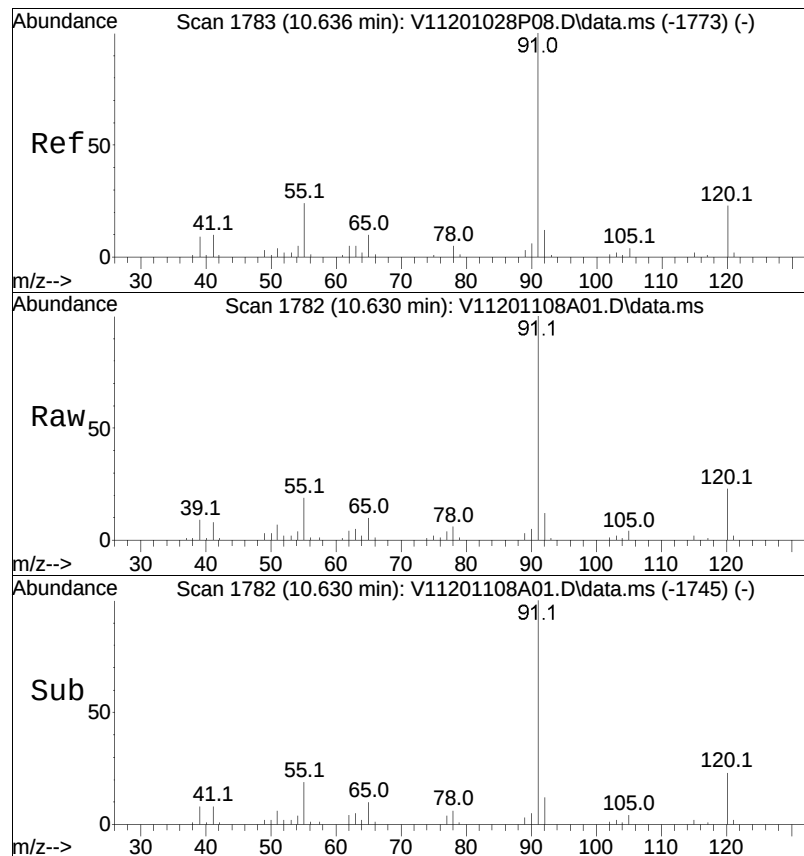




#77
 o Xylene
 Concen: 94.43 ug/L
 RT: 9.697 min Scan# 1604
 Delta R.T. 0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

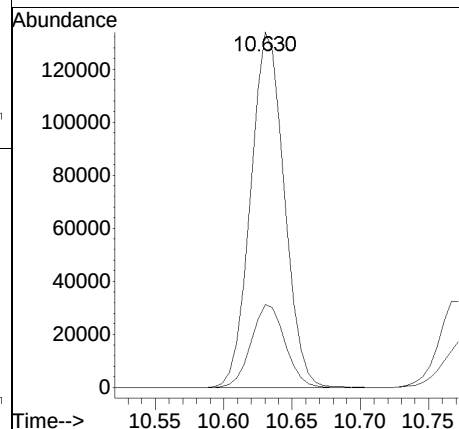
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	206.1	170.2	255.2	

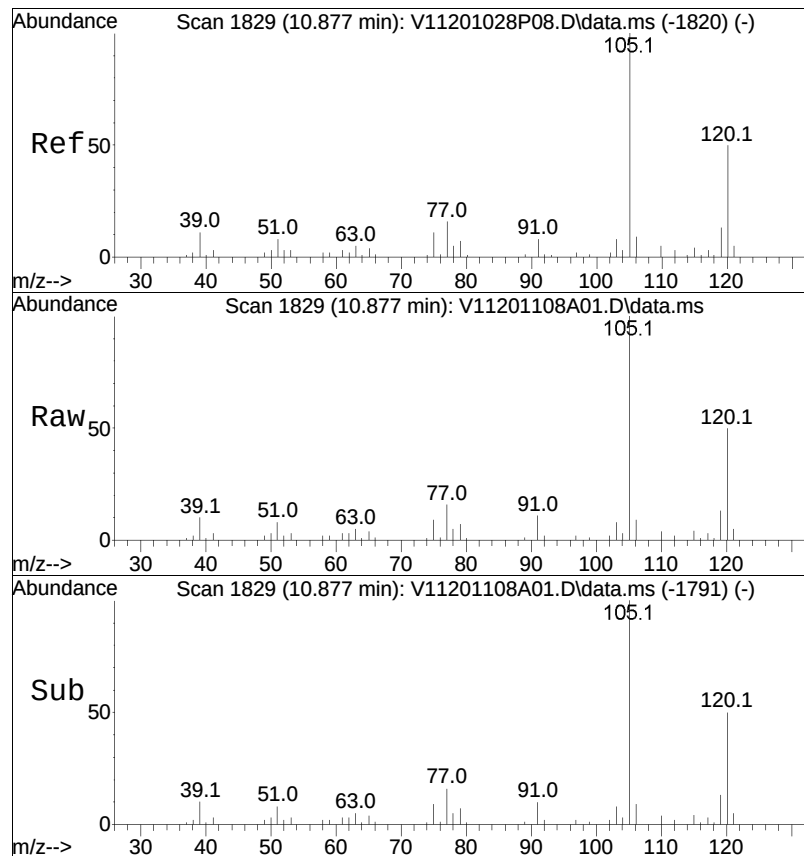




#85
 n-Propylbenzene
 Concen: 43.34 ug/L
 RT: 10.630 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

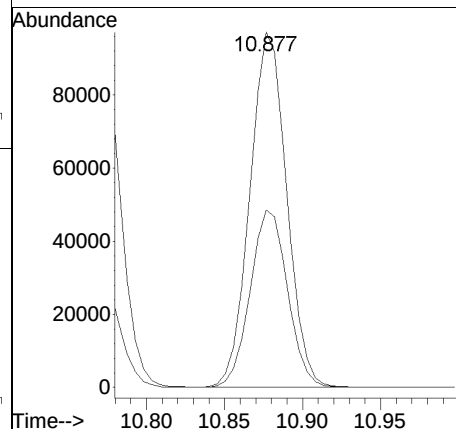
Tgt Ion:	91	Resp:	228611
Ion Ratio	Lower	Upper	
91	100		
120	23.4	18.6	27.8

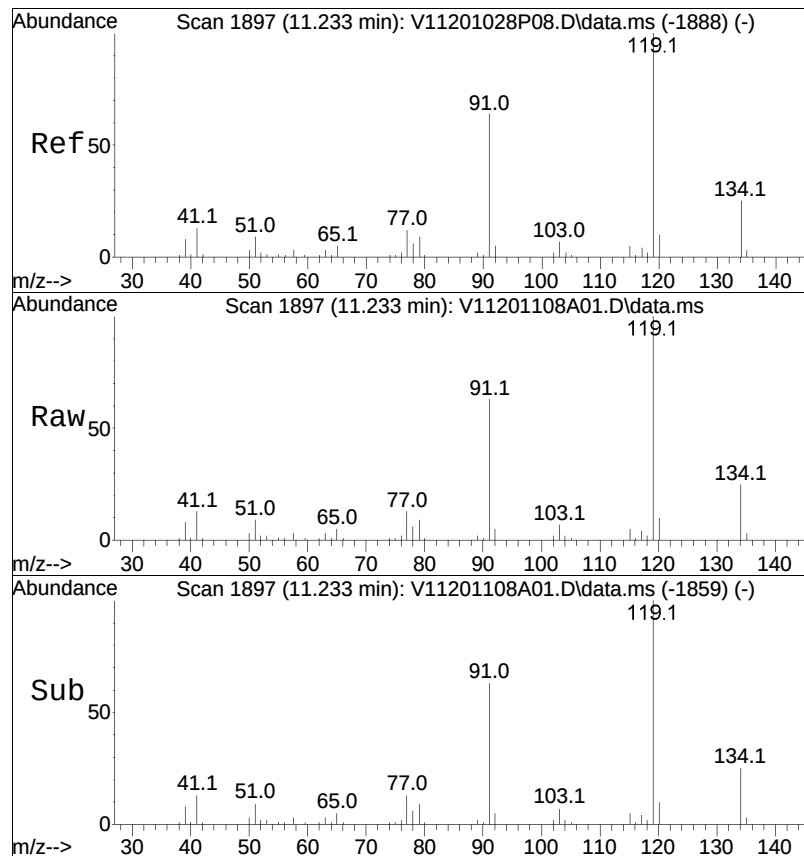




#90
 1,3,5-Trimethylbenzene
 Concen: 43.77 ug/L
 RT: 10.877 min Scan# 1829
 Delta R.T. -0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

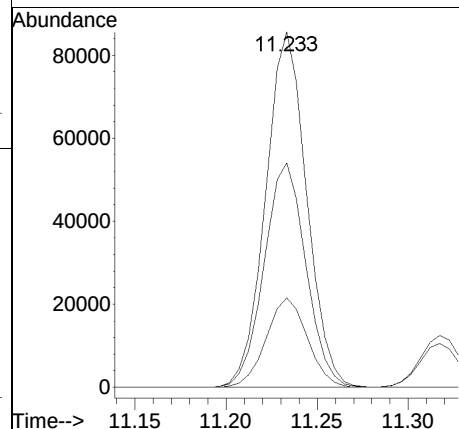
Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.7	39.8	59.8

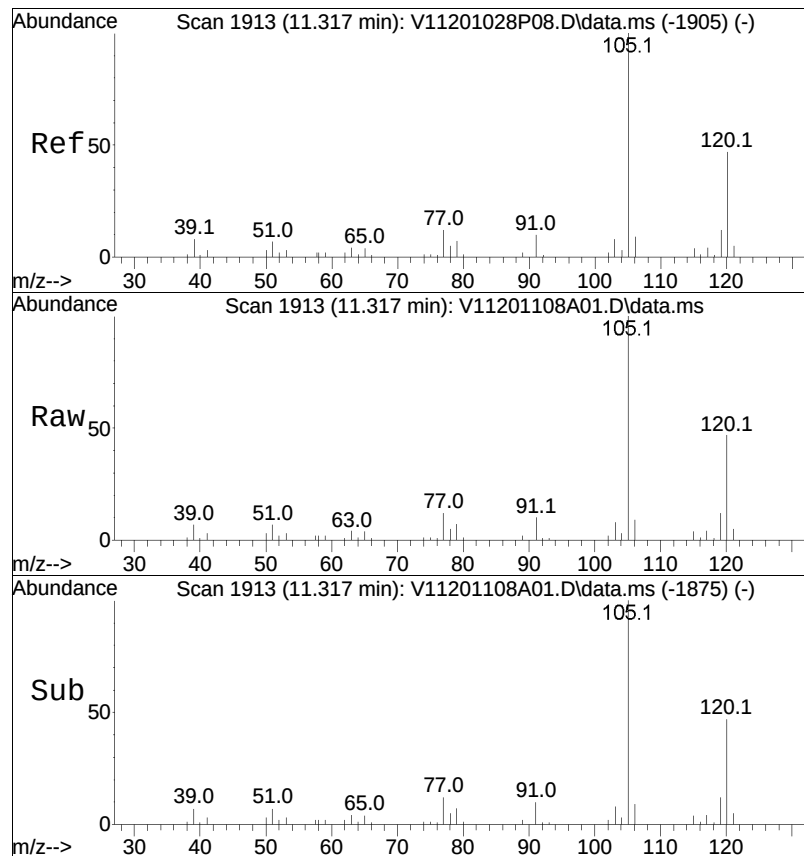




#94
 tert-Butylbenzene
 Concen: 43.53 ug/L
 RT: 11.233 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

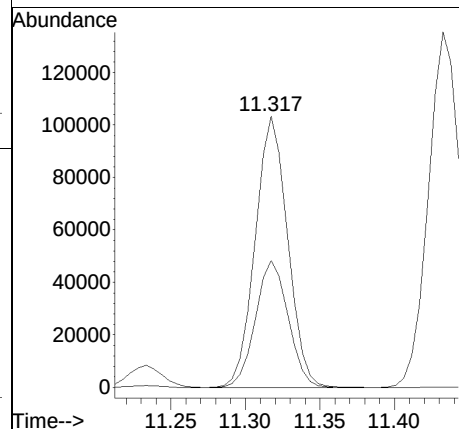
Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.4	53.0	79.4
134	25.4	19.8	29.6

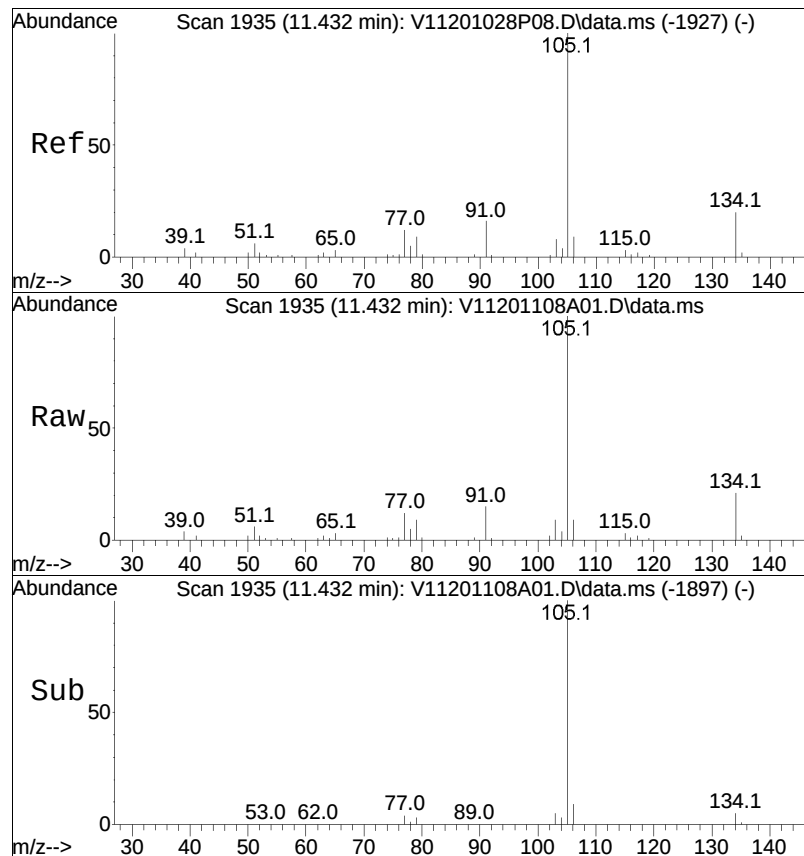




#97
 1,2,4-Trimethylbenzene
 Concen: 44.28 ug/L
 RT: 11.317 min Scan# 1913
 Delta R.T. 0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

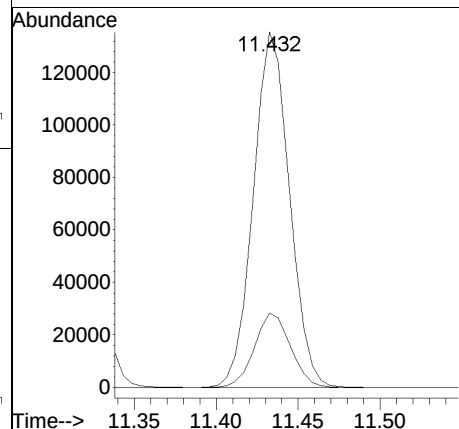
Tgt Ion	105	120	Ratio	Lower	Upper
Resp	156194				
105	100				
120	47.0		37.4	56.0	

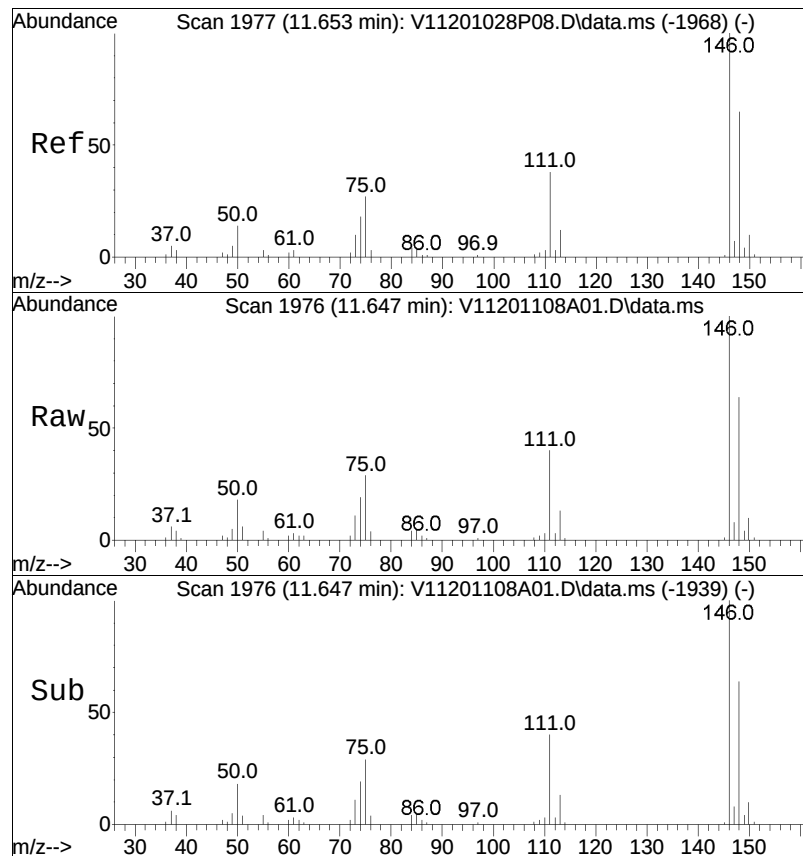




#98
 sec-Butylbenzene
 Concen: 44.33 ug/L
 RT: 11.432 min Scan# 1935
 Delta R.T. 0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

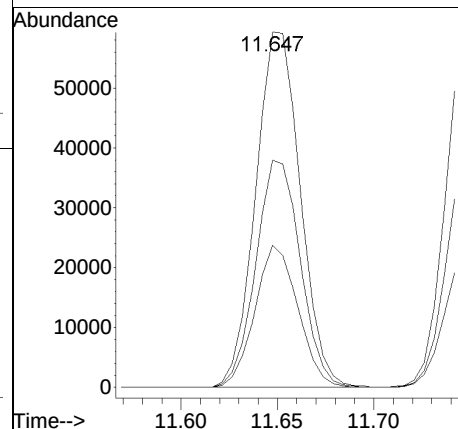
Tgt Ion	105	134	Ratio	Lower	Upper
105	100				
134	20.8		13.2	27.4	

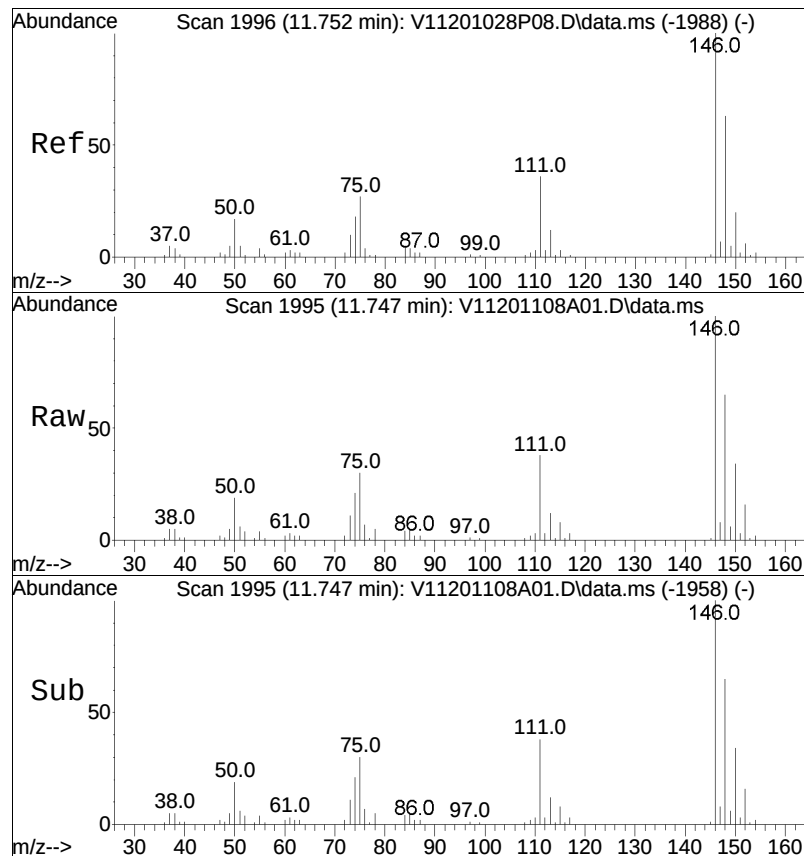




#100
 1,3-Dichlorobenzene
 Concen: 41.73 ug/L
 RT: 11.647 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

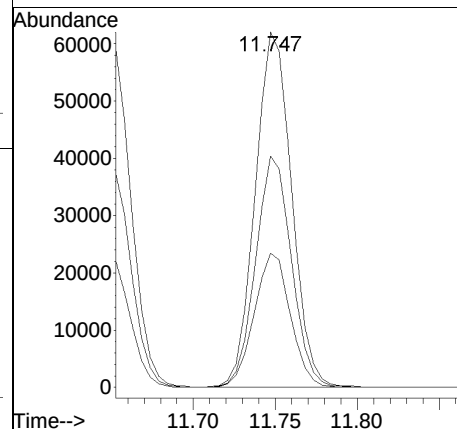
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	25.6	53.2
148	63.6	41.3	85.9

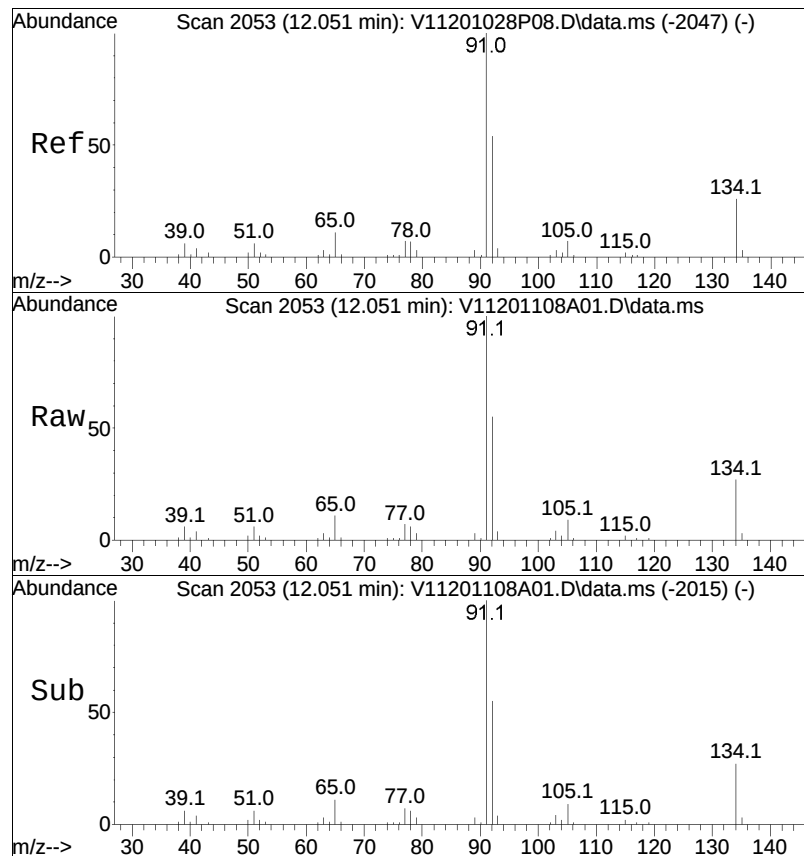




#101
 1,4-Dichlorobenzene
 Concen: 40.30 ug/L
 RT: 11.747 min Scan# 1995
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

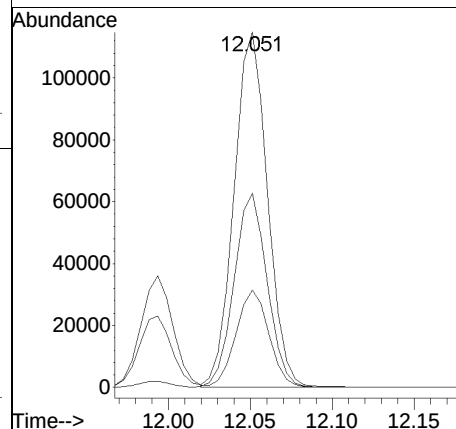
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	31.4	47.0
148	64.1	50.7	76.1

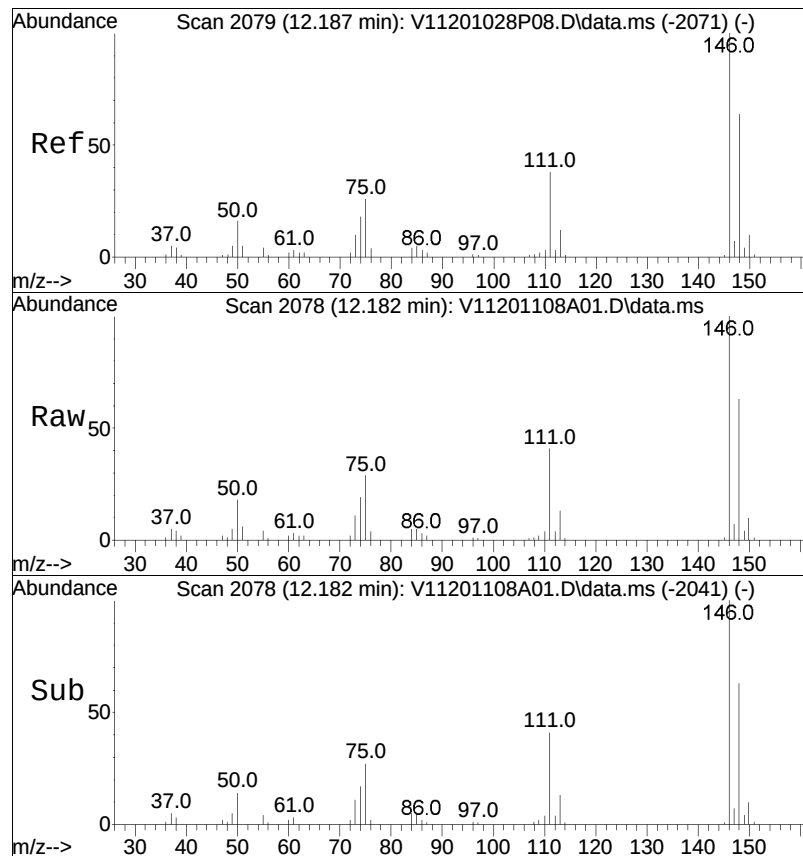




#103
 n-Butylbenzene
 Concen: 45.14 ug/L
 RT: 12.051 min Scan# 2053
 Delta R.T. 0.000 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

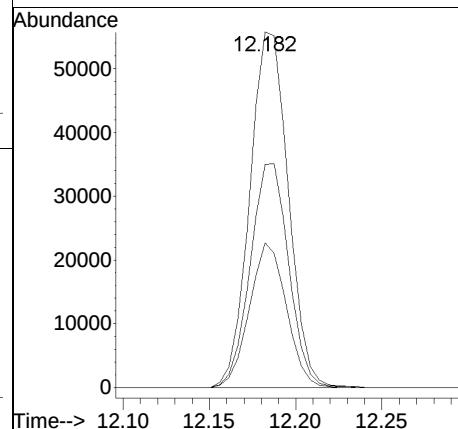
Tgt	Ion: 91	Resp:	162966
Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.3	64.9
134	26.8	21.4	32.0





#104
 1,2-Dichlorobenzene
 Concen: 40.49 ug/L
 RT: 12.182 min Scan# 2078
 Delta R.T. -0.005 min
 Lab File: V11201108A01.D
 Acq: 08 Nov 2020 01:20 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.9	55.9
148	62.8	41.2	85.6



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\20	Method	: V111_201028P_8260.m
Data File	: V11201108A01.D	Operator	: VOA111:AD
Date Inj'd	: 11/8/2020 1:20 pm	Instrument	: VOA111
Sample	: WG1431978-3,31,5,5	Quant Date	: 11/8/2020 1:54 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-3,31H,15,15,0.100
 Misc : WG1432485,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	96332	20.000	ug/L	0.00
Standard Area 1 = 96332			Recovery =	100.00%		
59) Chlorobenzene-d5	8.900	117	75779	20.000	ug/L	0.00
Standard Area 1 = 75779			Recovery =	100.00%		
79) 1,4-Dichlorobenzene-d4	11.731	152	40395	20.000	ug/L	0.00
Standard Area 1 = 40395			Recovery =	100.00%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.664	113	25344	20.645	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.22%		
43) 1,2-Dichloroethane-d4	5.162	65	25329	21.268	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.34%		
60) Toluene-d8	7.091	98	95773	19.630	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.15%		
83) 4-Bromofluorobenzene	10.452	95	33421	19.229	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	96.14%		
Target Compounds						
						Qvalue
4) Vinyl chloride	1.696	62	46032	45.085	ug/L	97
10) 1,1-Dichloroethene	2.598	96	32131	44.385	ug/L	84
15) Methylene chloride	3.085	84	40222	43.590	ug/L	73
17) Acetone	3.122	43	9015	46.228	ug/L	96
18) trans-1,2-Dichloroethene	3.227	96	38583	45.641	ug/L	85
20) Methyl tert-butyl ether	3.316	73	93311	42.329	ug/L	89
23) 1,1-Dichloroethane	3.762	63	70892	46.173	ug/L	97
28) cis-1,2-Dichloroethene	4.244	96	42956	44.547	ug/L	84
32) Chloroform	4.501	83	71582	45.156	ug/L	96
34) Carbon tetrachloride	4.627	117	56549	45.293	ug/L	98
37) 1,1,1-Trichloroethane	4.685	97	60800	47.926	ug/L	97
39) 2-Butanone	4.774	43	15088	46.751	ug/L	# 81
41) Benzene	5.036	78	156136	46.692	ug/L	91
44) 1,2-Dichloroethane	5.230	62	52072	43.368	ug/L	98
48) Trichloroethene	5.613	95	41453	48.681	ug/L	100
57) 1,4-Dioxane	6.420	88	16570	2019.031	ug/L	# 78
61) Toluene	7.144	92	98956	42.169	ug/L	96
63) Tetrachloroethene	7.584	166	42896	45.813	ug/L	99
73) Chlorobenzene	8.921	112	114378	42.315	ug/L	97
74) Ethylbenzene	8.968	91	190265	43.904	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-3,31H,15,15,0.100
 Misc : WG1432485,ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	p/m Xylene	9.157	106	152335	92.206	ug/L	99
77)	o Xylene	9.697	106	140399	91.000	ug/L	97
85)	n-Propylbenzene	10.630	91	230102	41.951	ug/L	100
90)	1,3,5-Trimethylbenzene	10.877	105	161364	42.710	ug/L	99
94)	tert-Butylbenzene	11.233	119	134475	41.960	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	158463	43.211	ug/L	99
98)	sec-Butylbenzene	11.432	105	210072	43.141	ug/L	100
100)	1,3-Dichlorobenzene	11.647	146	97483	40.859	ug/L	100
101)	1,4-Dichlorobenzene	11.747	146	97790	39.493	ug/L	98
103)	n-Butylbenzene	12.051	91	166146	44.265	ug/L	99
104)	1,2-Dichlorobenzene	12.187	146	88475	39.875	ug/L	99

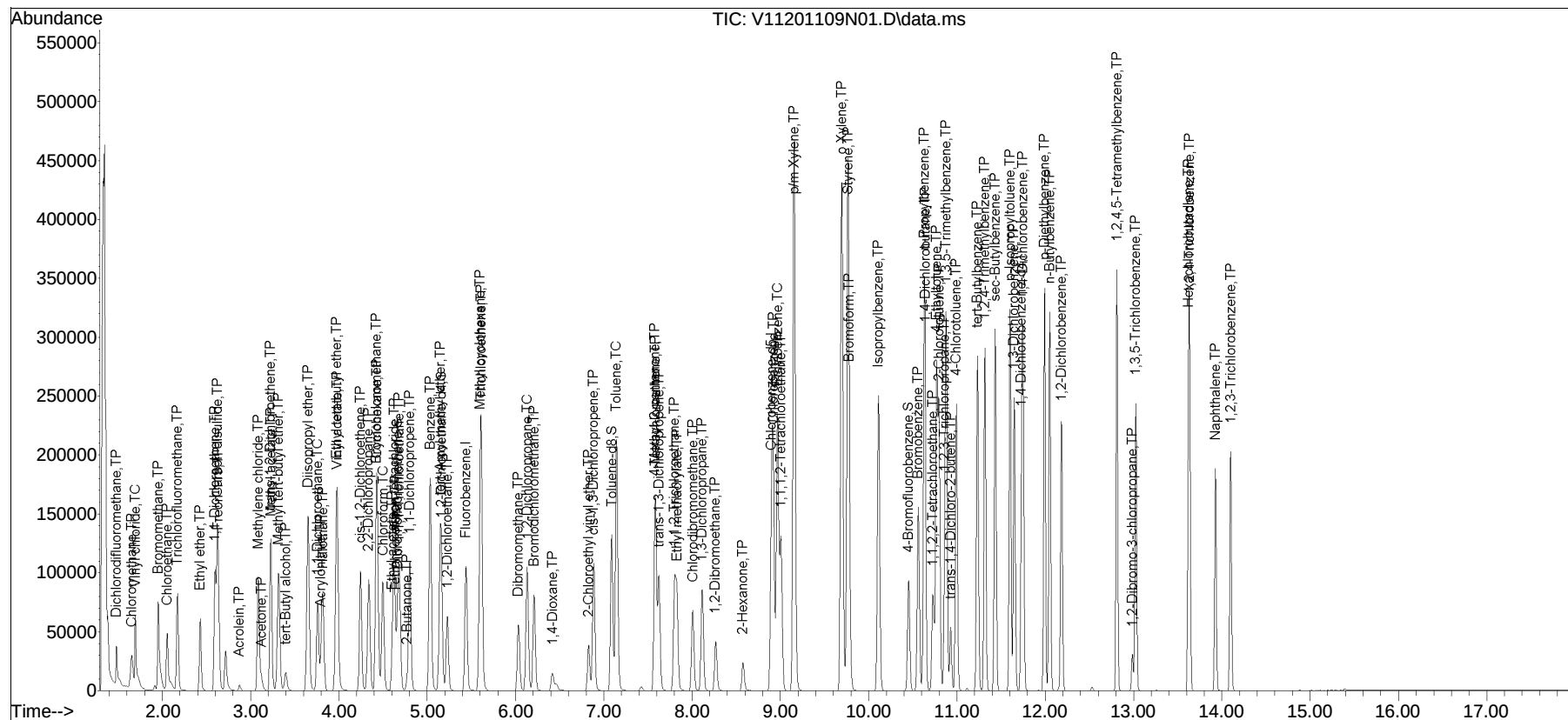
(#) = qualifier out of range (m) = manual integration (+) = signals summed

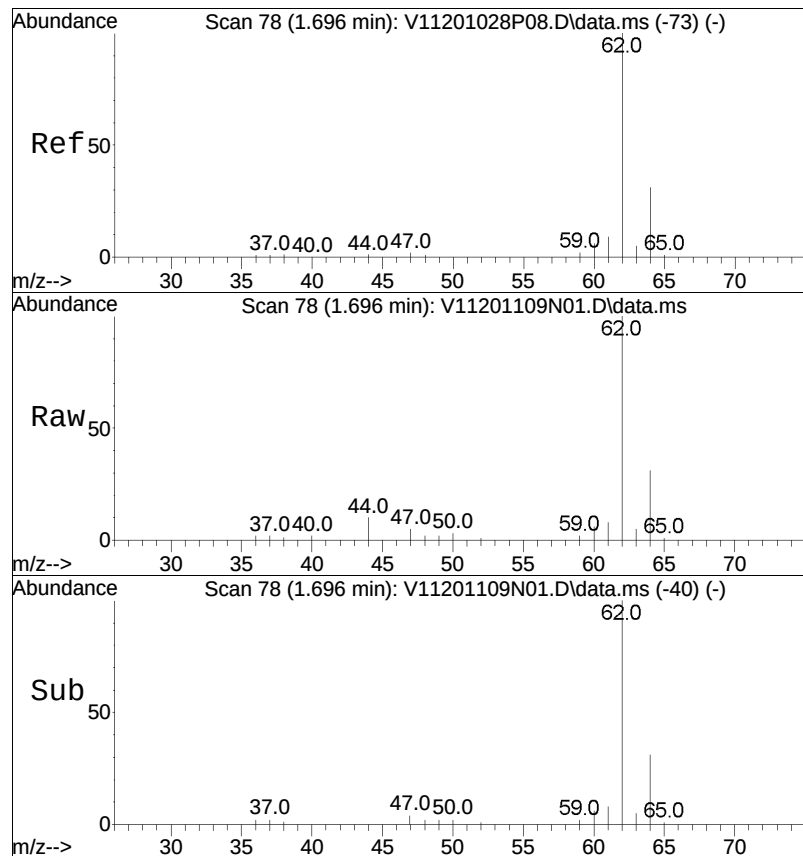
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N01.D
 Acq On : 09 Nov 2020 05:13 pm
 Operator : VOA111:AD
 Sample : WG1432485-3, 31H, 15, 15, 0.100
 Misc : WG1432485, ICAL17294
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:19:02 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

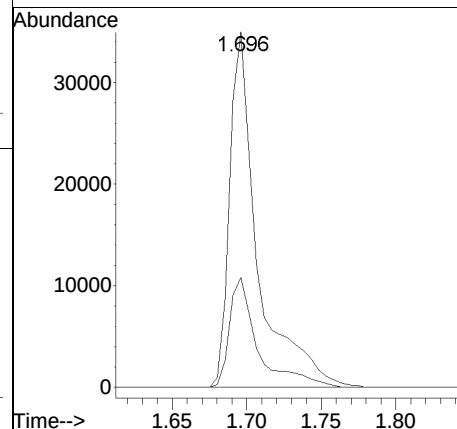
Sub List : 8260-CurveSoil - Megamix plus Diox9N\V11201109N01.D•

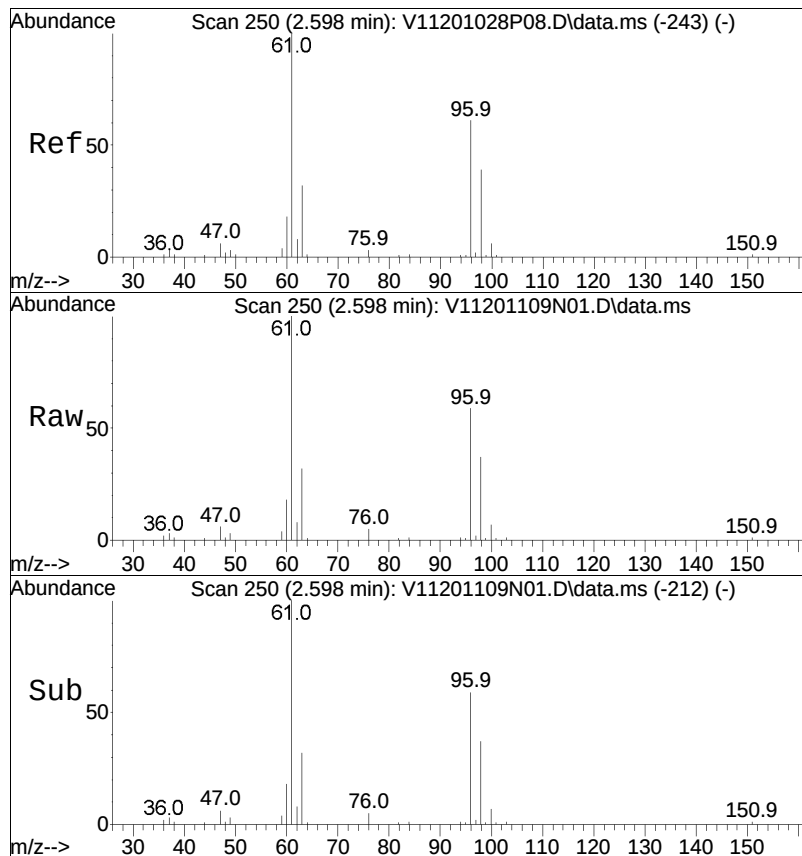




#4
 Vinyl chloride
 Concen: 45.08 ug/L
 RT: 1.696 min Scan# 78
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

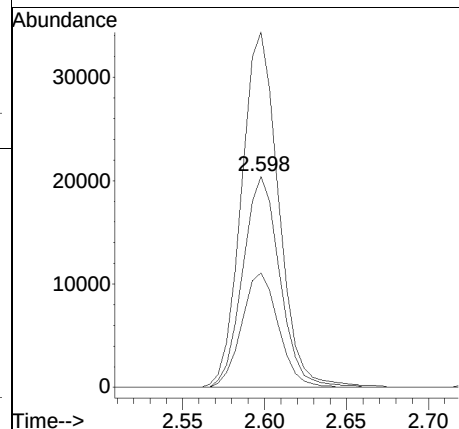
Tgt	Ion	Ratio	Lower	Upper
62	100			
64	31.4	9.9	49.9	

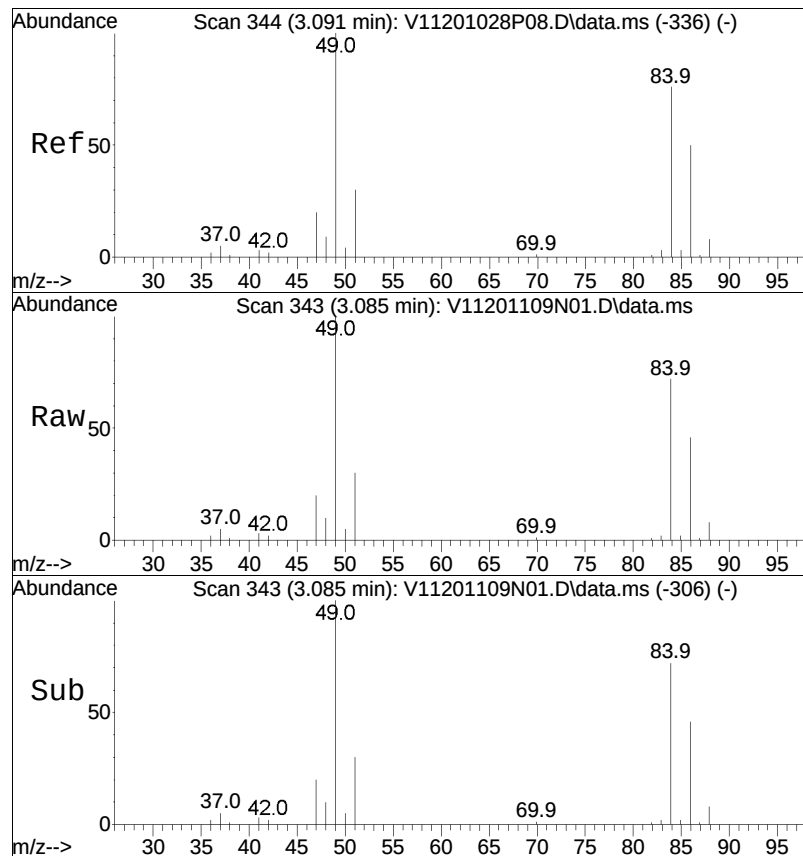




#10
 1,1-Dichloroethene
 Concen: 44.39 ug/L
 RT: 2.598 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

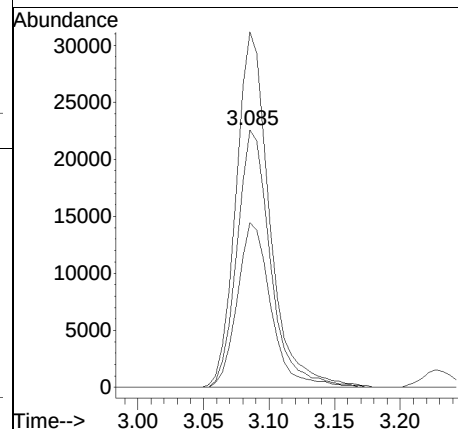
Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.0	157.7	236.5
63	54.0	47.9	71.9

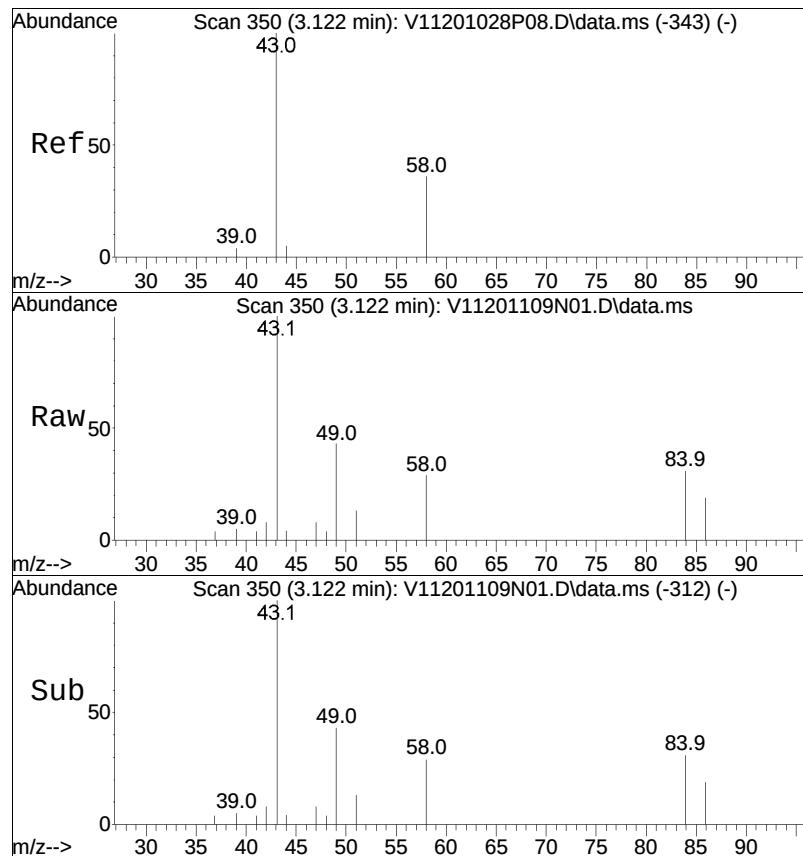




#15
 Methylene chloride
 Concen: 43.59 ug/L
 RT: 3.085 min Scan# 343
 Delta R.T. -0.006 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

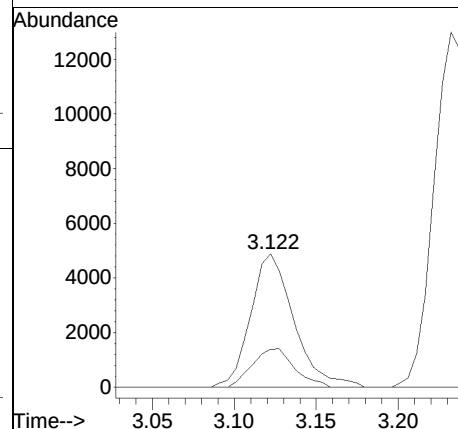
Tgt Ion:	84	Resp:	40222
Ion Ratio	Lower	Upper	
84	100		
86	64.4	41.1	85.3
49	138.6	124.2	258.0

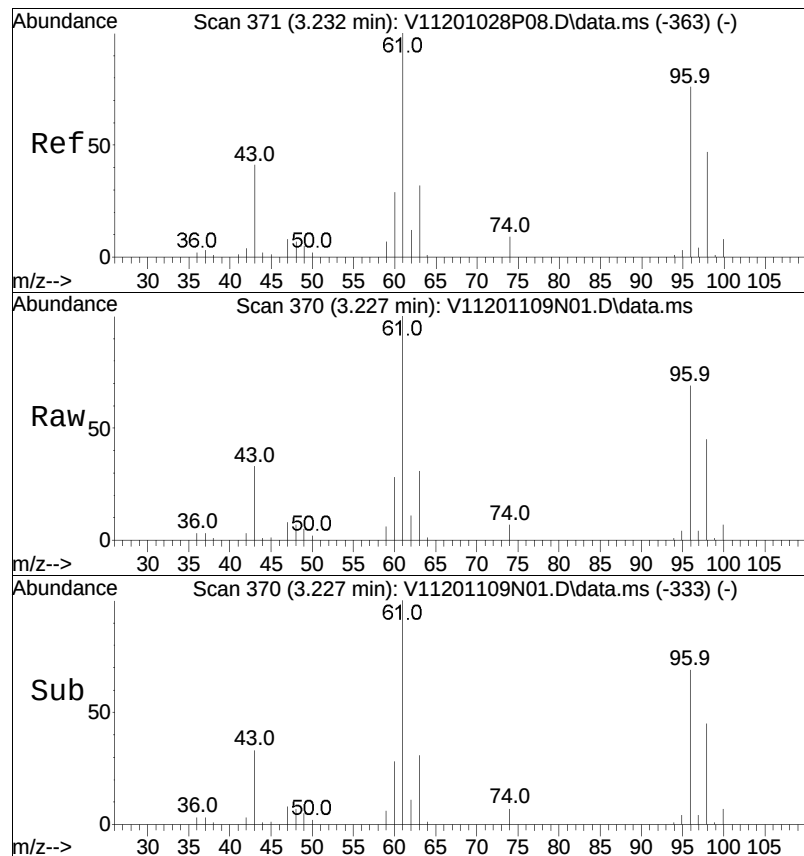




#17
 Acetone
 Concen: 46.23 ug/L
 RT: 3.122 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

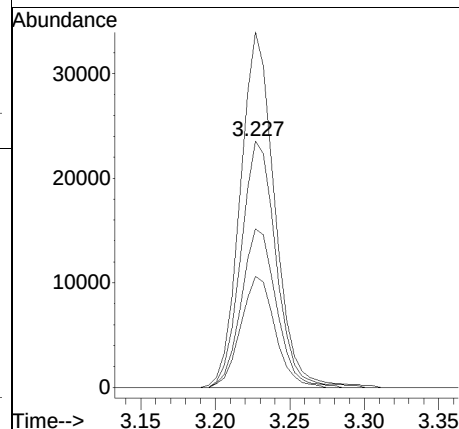
Tgt Ion: 43 Resp: 9015
 Ion Ratio Lower Upper
 43 100
 58 28.3 20.8 31.2

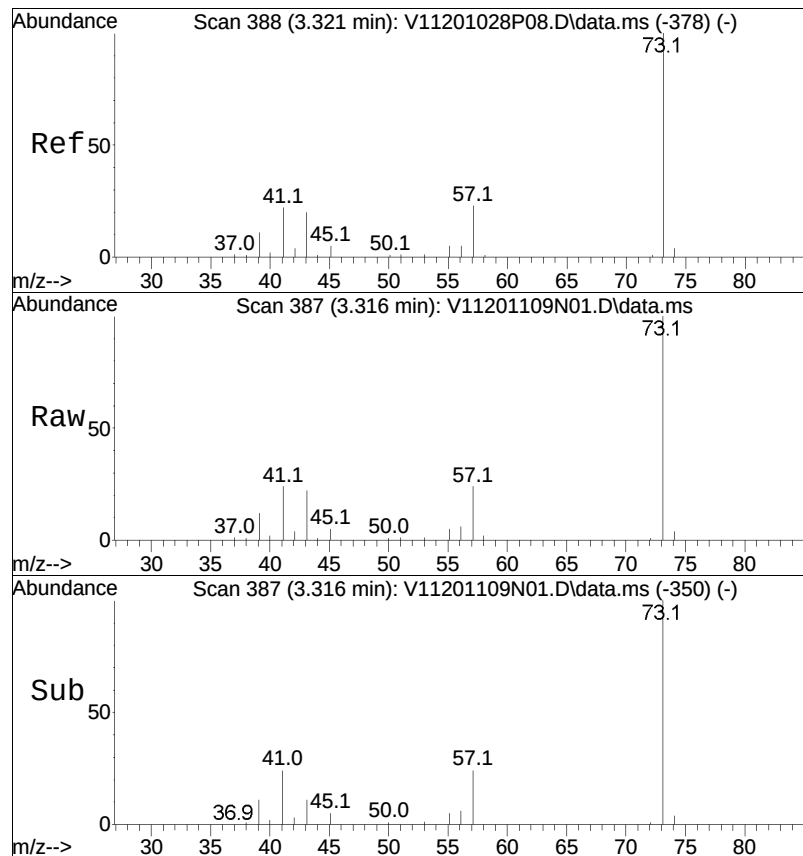




#18
 trans-1,2-Dichloroethene
 Concen: 45.64 ug/L
 RT: 3.227 min Scan# 370
 Delta R.T. -0.005 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

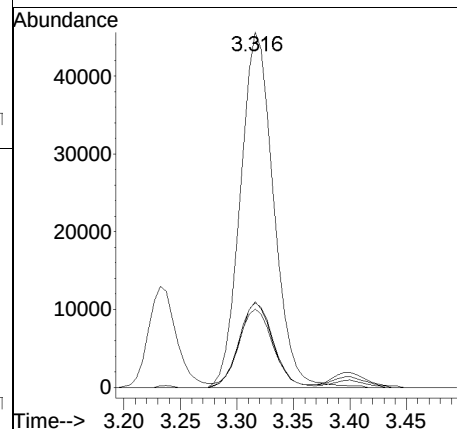
Tgt Ion:	96	Resp:	38583
Ion Ratio	Lower	Upper	
96	100		
61	141.7	111.1	230.8
98	64.2	41.8	86.8
63	44.0	33.3	69.1

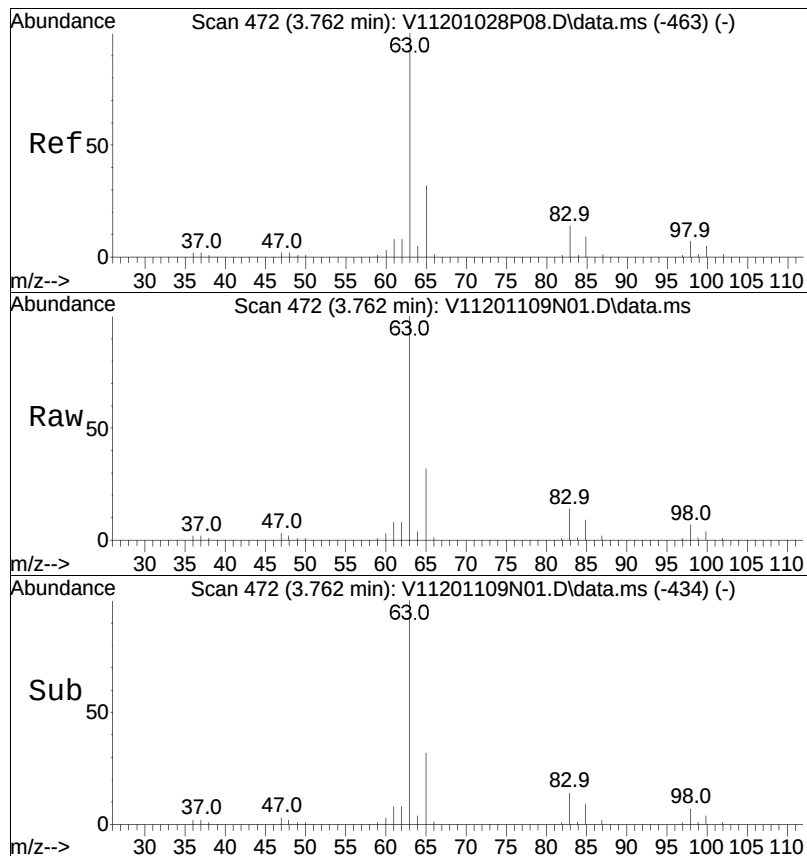




#20
Methyl tert-butyl ether
Concen: 42.33 ug/L
RT: 3.316 min Scan# 387
Delta R.T. -0.005 min
Lab File: V11201109N01.D
Acq: 09 Nov 2020 05:13 pm

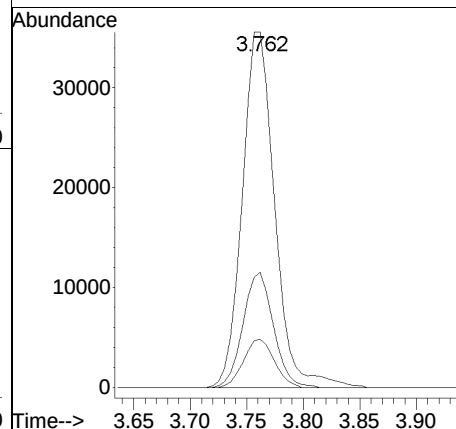
Tgt Ion:	73	Resp:	93311
Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.6	40.6
43	23.0	18.5	38.3
41	24.3	20.3	42.1

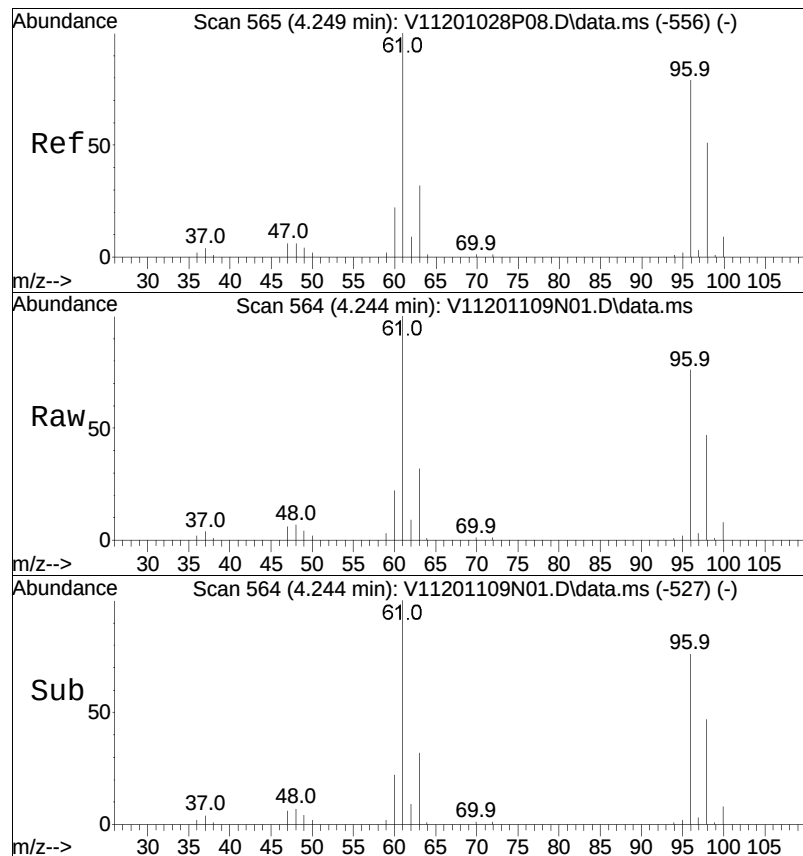




#23
 1,1-Dichloroethane
 Concen: 46.17 ug/L
 RT: 3.762 min Scan# 472
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

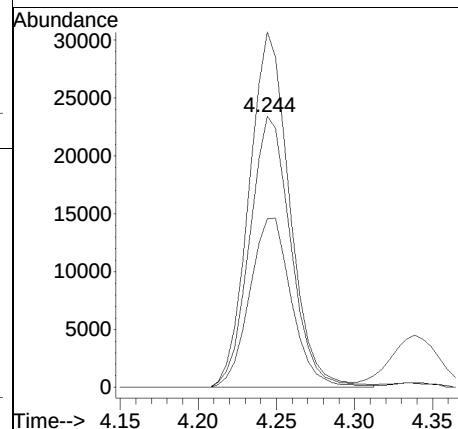
Tgt	Ion: 63	Resp:	70892
Ion	Ratio	Lower	Upper
63	100		
65	30.3	9.0	49.0
83	12.8	0.0	31.4

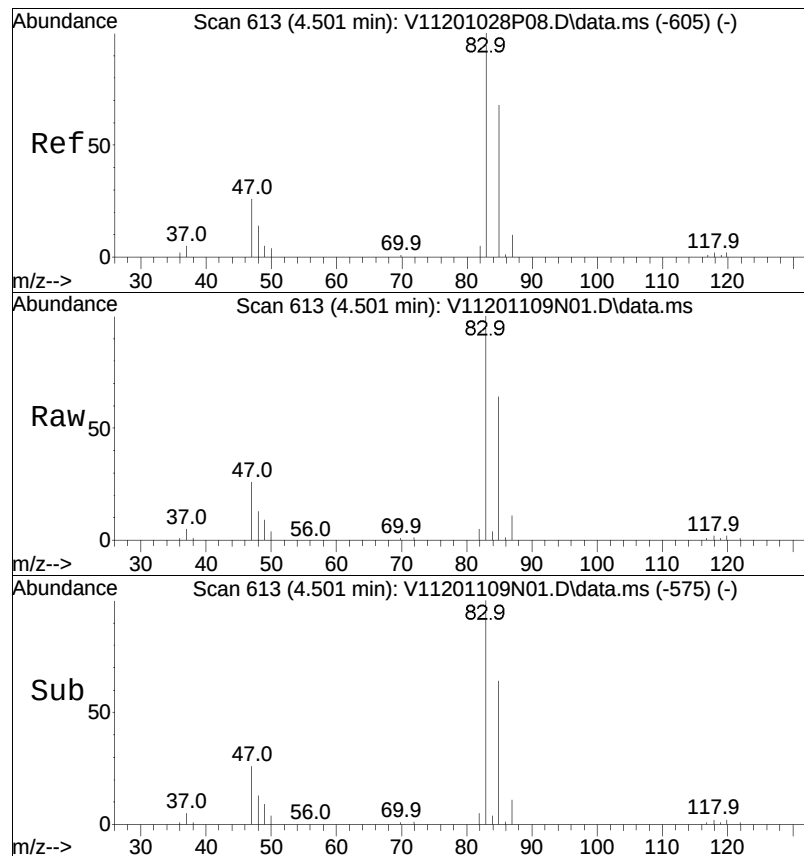




#28
 cis-1,2-Dichloroethene
 Concen: 44.55 ug/L
 RT: 4.244 min Scan# 564
 Delta R.T. -0.005 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

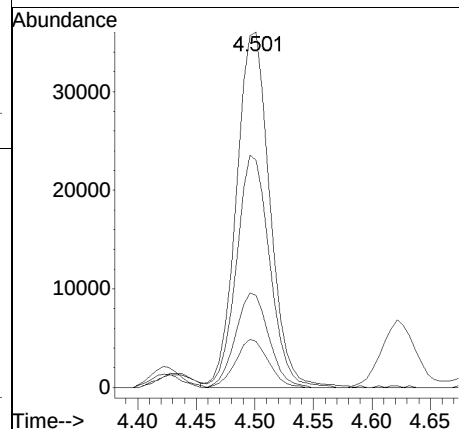
Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.4	126.3	189.5
98	63.7	51.0	76.6

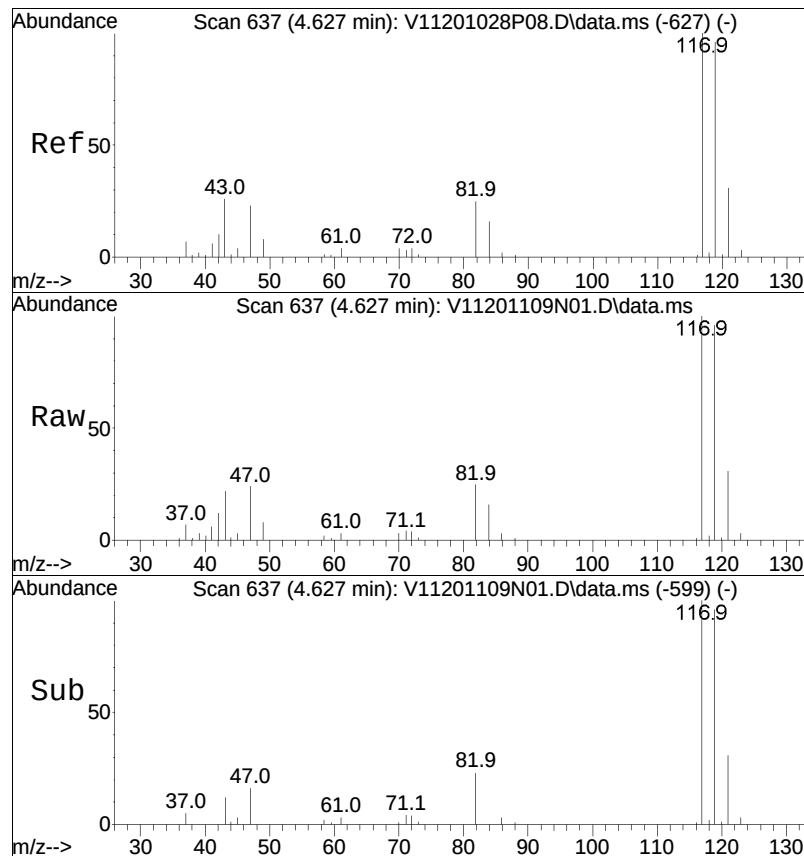




#32
 Chloroform
 Concen: 45.16 ug/L
 RT: 4.501 min Scan# 613
 Delta R.T. 0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

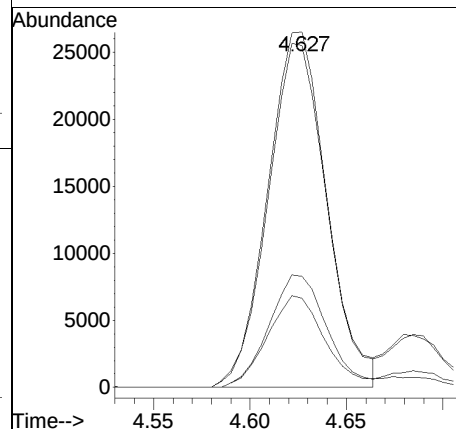
Tgt	Ion: 83	Resp:	71582
Ion	Ratio	Lower	Upper
83	100		
85	65.1	41.9	87.1
47	26.4	20.9	43.3
48	13.2	9.9	20.5

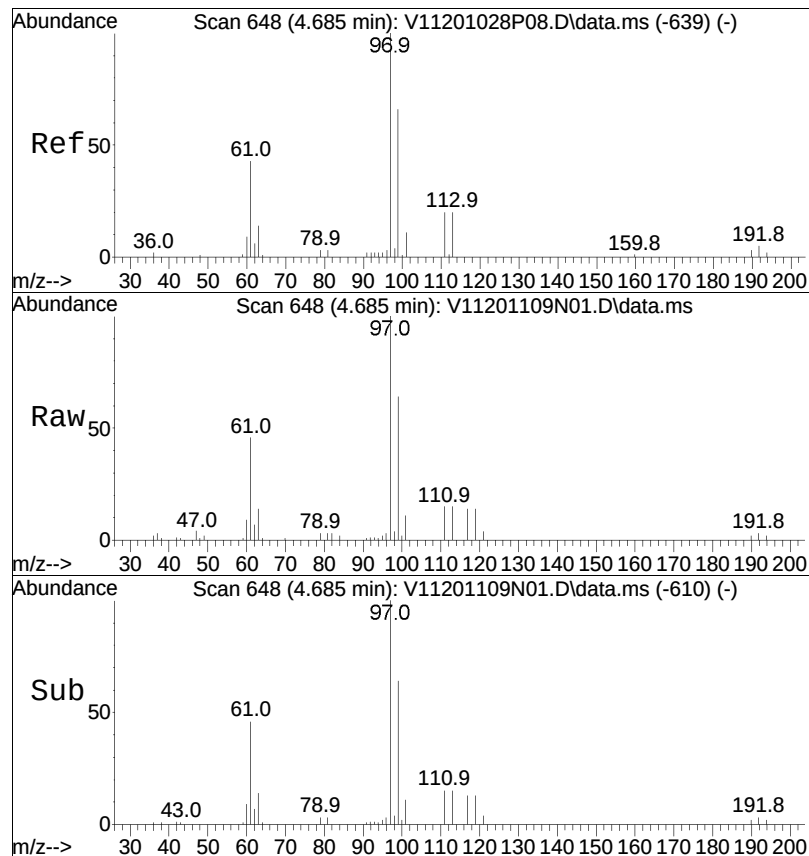




#34
Carbon tetrachloride
Concen: 45.29 ug/L
RT: 4.627 min Scan# 637
Delta R.T. -0.000 min
Lab File: V11201109N01.D
Acq: 09 Nov 2020 05:13 pm

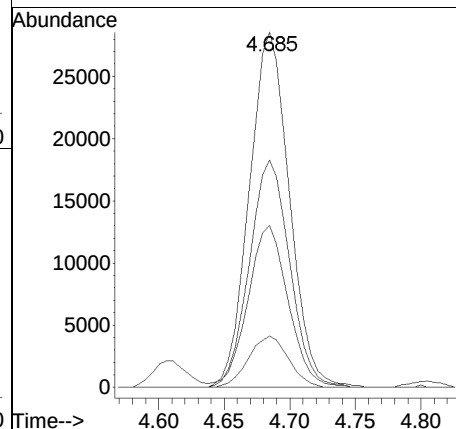
Tgt Ion:	117	Resp:	56549
Ion Ratio	Lower	Upper	
117	100		
119	95.9	64.0	132.8
121	30.9	20.7	42.9
82	25.2	16.3	33.8

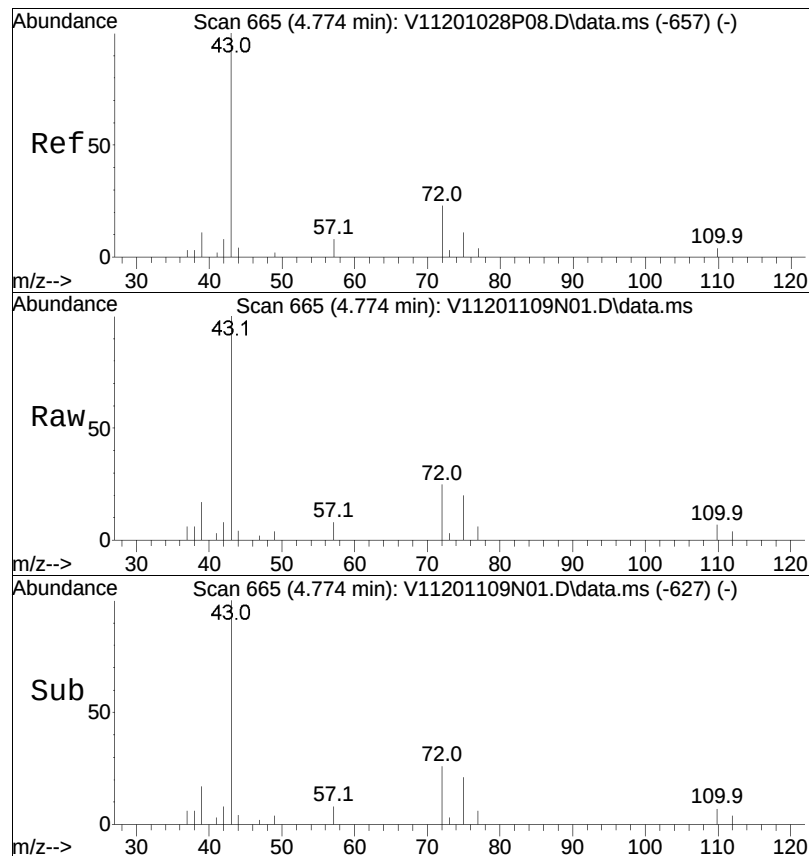




#37
 1,1,1-Trichloroethane
 Concen: 47.93 ug/L
 RT: 4.685 min Scan# 648
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

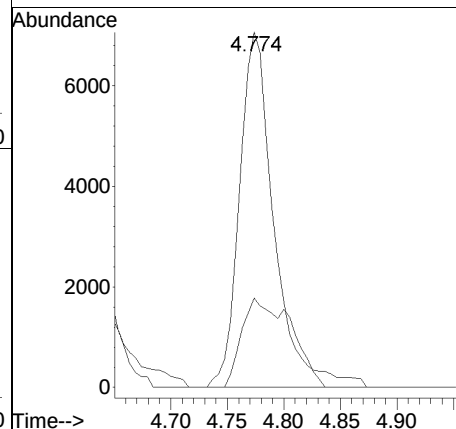
Tgt	Ion: 97	Resp:	60800
Ion	Ratio	Lower	Upper
97	100		
99	64.4	41.5	86.1
61	45.9	32.2	67.0
63	14.4	10.1	20.9

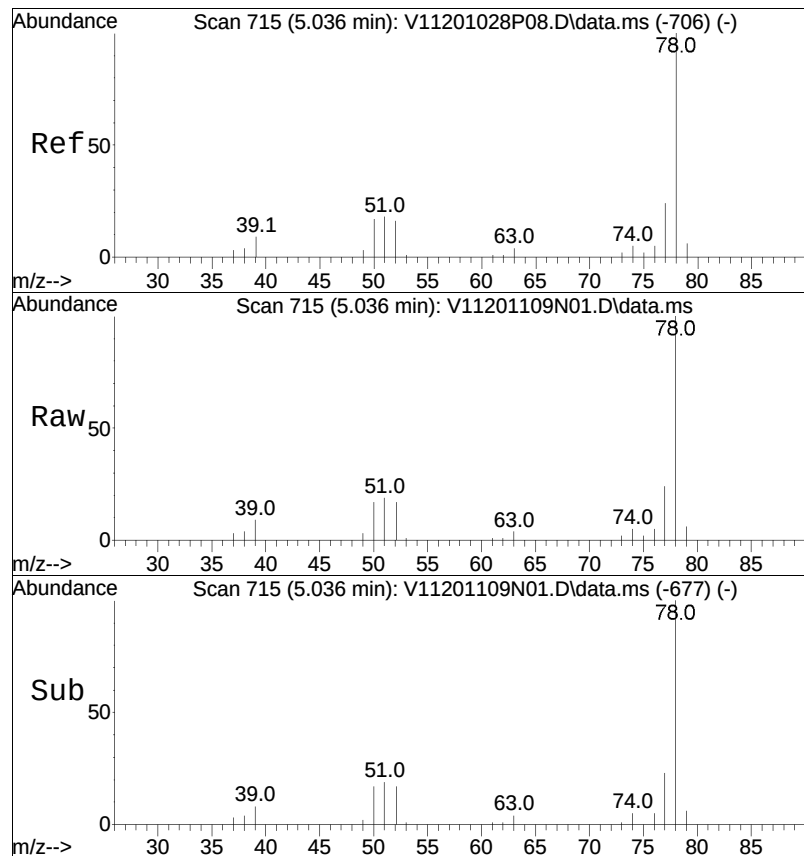




#39
 2-Butanone
 Concen: 46.75 ug/L
 RT: 4.774 min Scan# 665
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

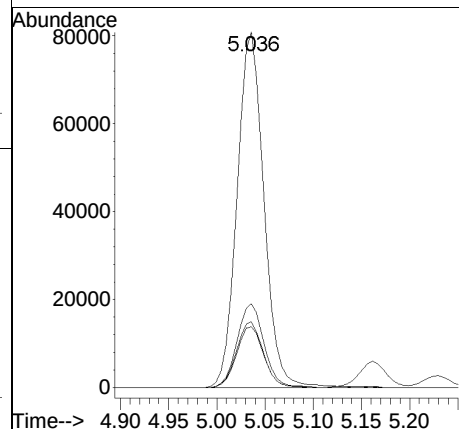
Tgt Ion: 43 Resp: 15088
 Ion Ratio Lower Upper
 43 100
 72 35.8 21.0 31.6#

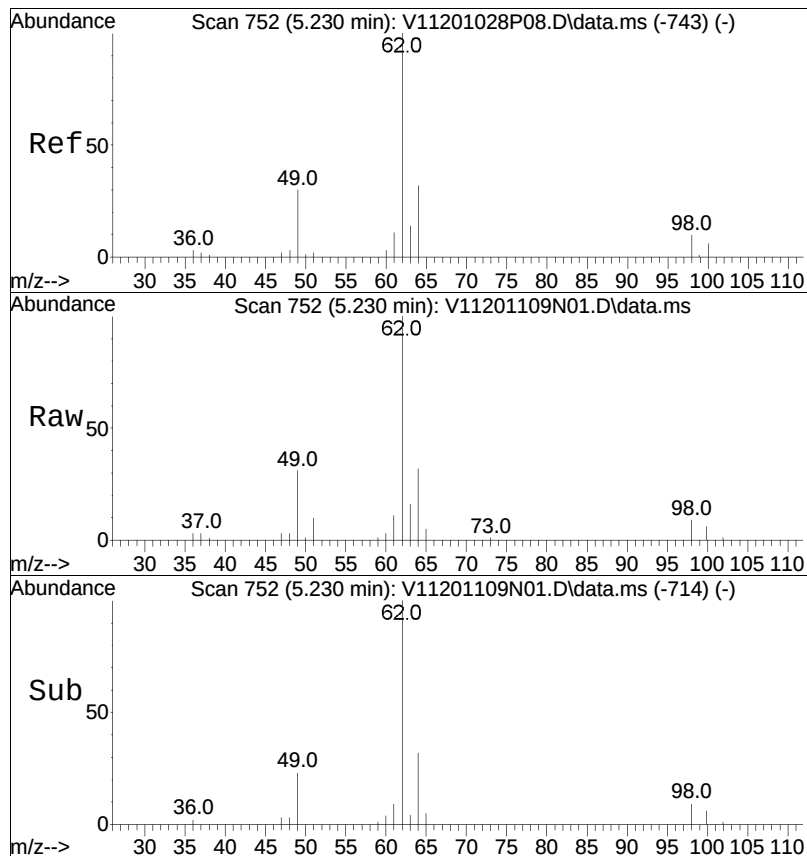




#41
Benzene
Concen: 46.69 ug/L
RT: 5.036 min Scan# 715
Delta R.T. -0.000 min
Lab File: V11201109N01.D
Acq: 09 Nov 2020 05:13 pm

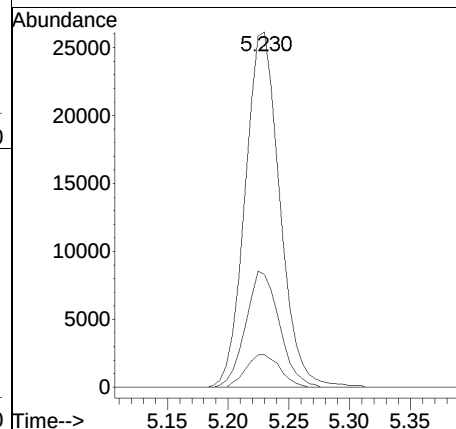
Tgt Ion:	78	Resp:	156136
Ion Ratio	Lower	Upper	
78	100		
77	23.5	15.1	31.3
51	18.4	15.8	32.8
52	17.2	15.6	32.4

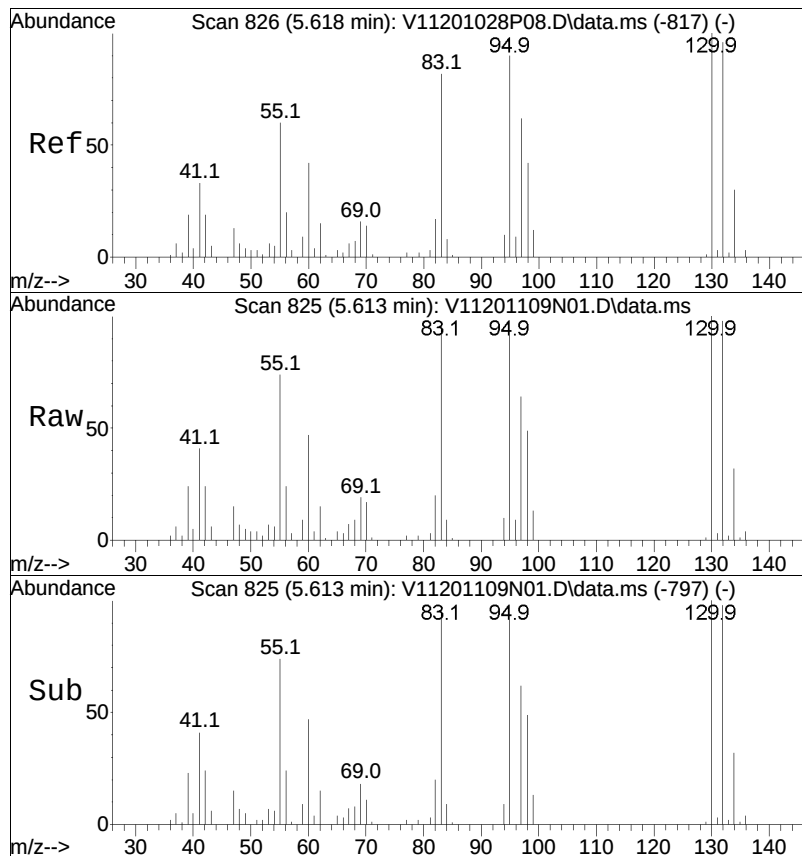




#44
 1,2-Dichloroethane
 Concen: 43.37 ug/L
 RT: 5.230 min Scan# 752
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

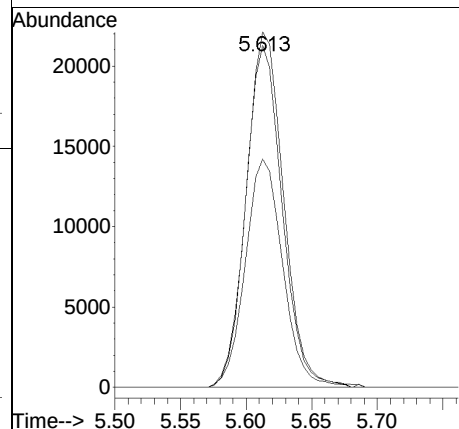
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	11.1	51.1
98	9.1	0.0	28.0

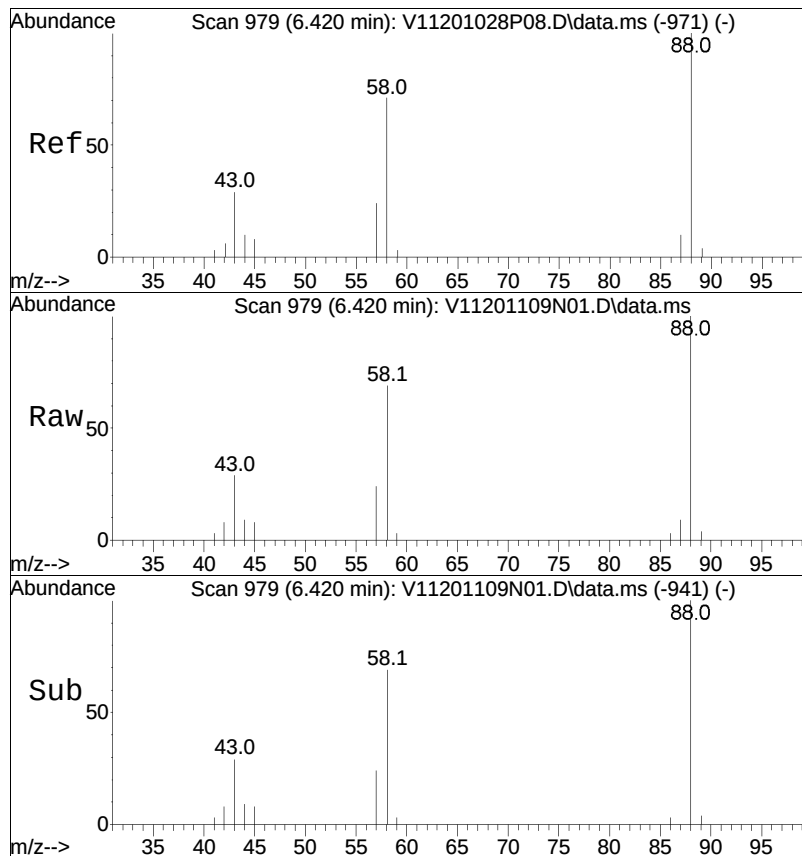




#48
 Trichloroethene
 Concen: 48.68 ug/L
 RT: 5.613 min Scan# 825
 Delta R.T. -0.005 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

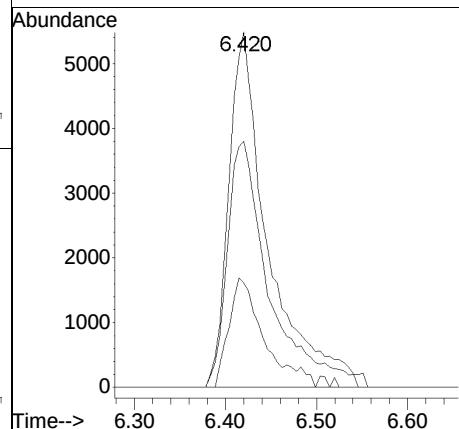
Tgt Ion	Ratio	Lower	Upper
95	100		
97	68.2	54.3	81.5
130	105.4	84.6	126.8

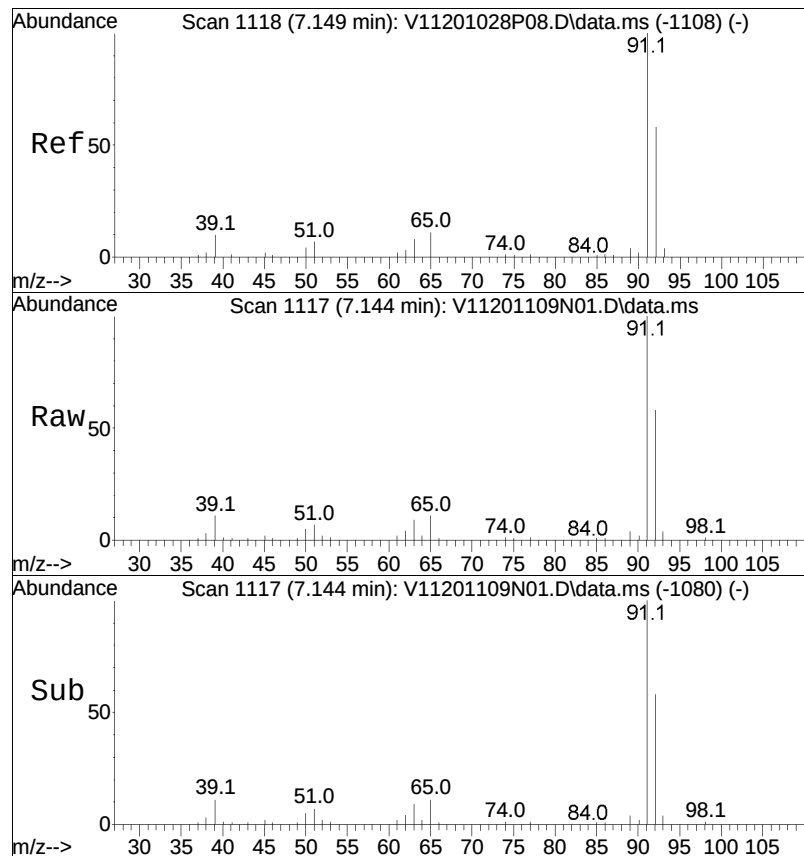




#57
 1,4-Dioxane
 Concen: 2019.03 ug/L
 RT: 6.420 min Scan# 979
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

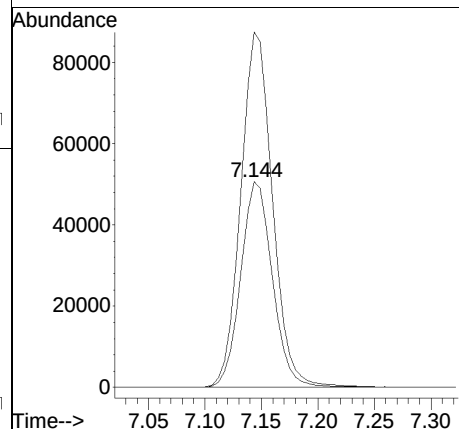
Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.7	75.4	113.0#
43	27.6	33.5	50.3#

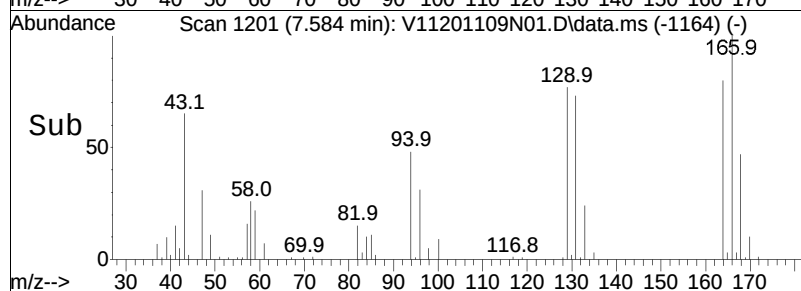
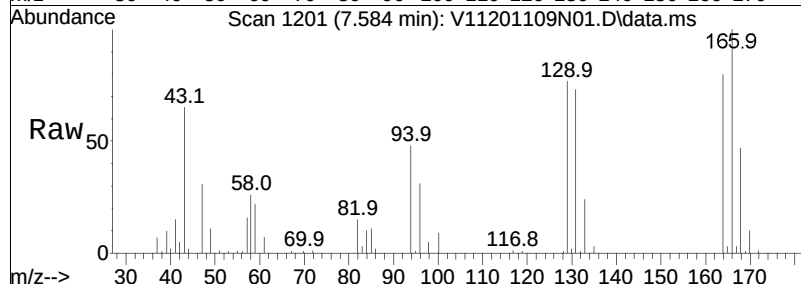
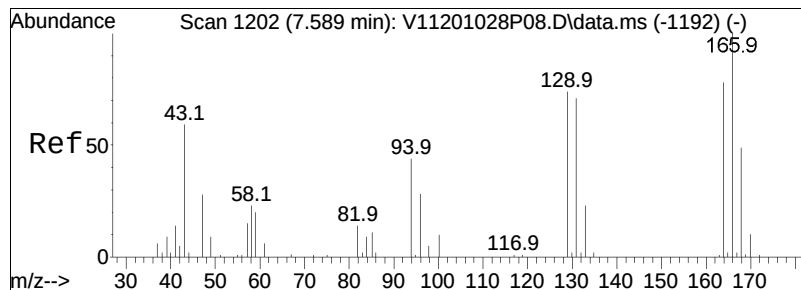




#61
 Toluene
 Concen: 42.17 ug/L
 RT: 7.144 min Scan# 1117
 Delta R.T. -0.005 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

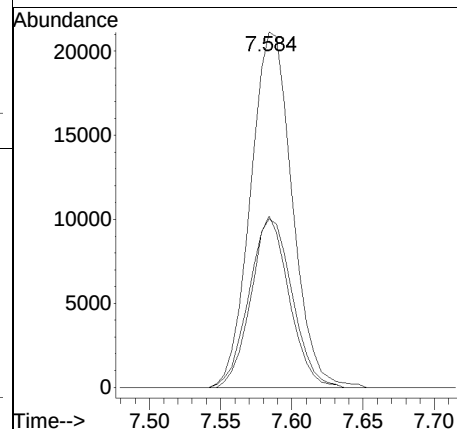
Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	133.7	200.5

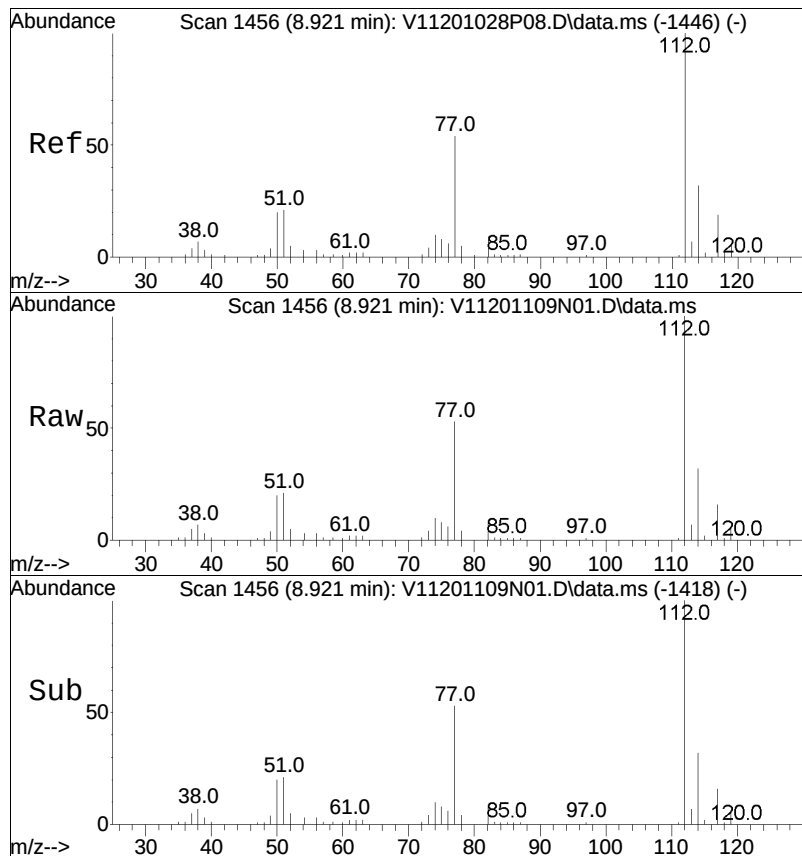




#63
Tetrachloroethene
Concen: 45.81 ug/L
RT: 7.584 min Scan# 1201
Delta R.T. -0.005 min
Lab File: V11201109N01.D
Acq: 09 Nov 2020 05:13 pm

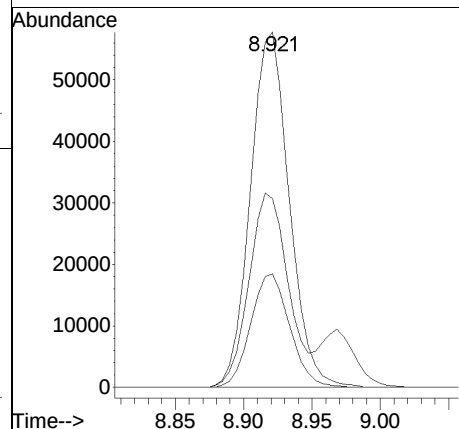
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	42896		
168	47.1		28.2	68.2
94	46.3		26.3	66.3

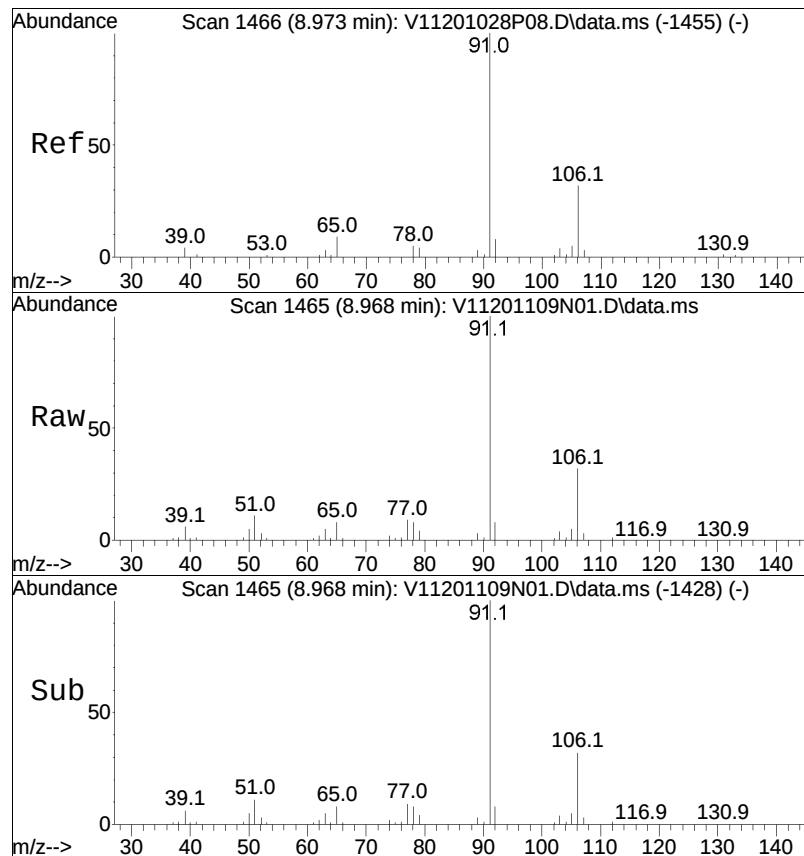




#73
 Chlorobenzene
 Concen: 42.32 ug/L
 RT: 8.921 min Scan# 1456
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

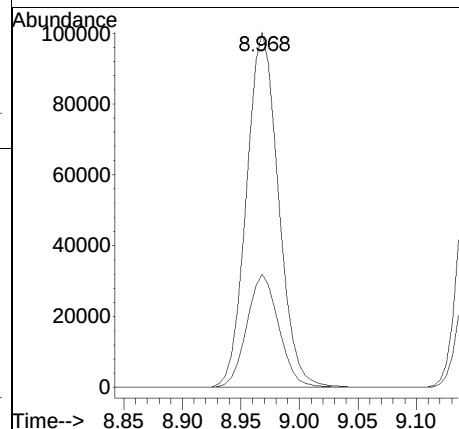
Tgt Ion:	112	Resp:	114378
Ion Ratio	Lower	Upper	
112	100		
77	55.0	47.0	70.4
114	32.1	25.9	38.9

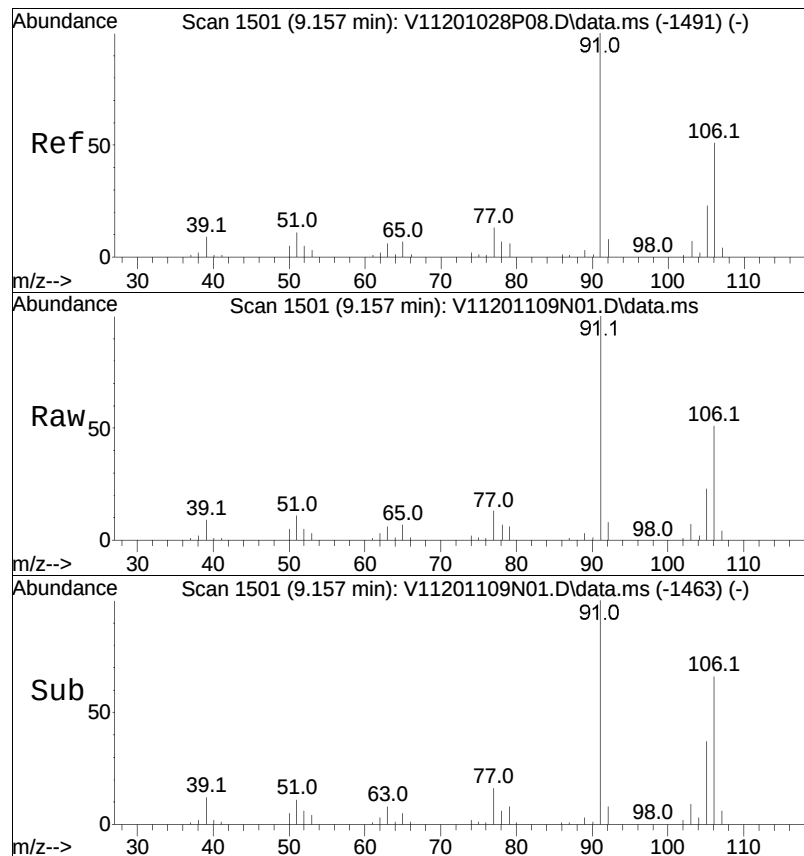




#74
 Ethylbenzene
 Concen: 43.90 ug/L
 RT: 8.968 min Scan# 1465
 Delta R.T. -0.005 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

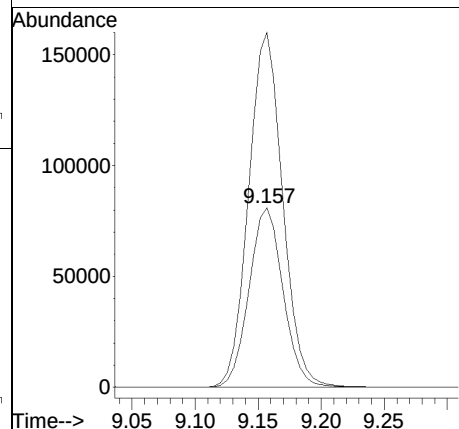
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.4

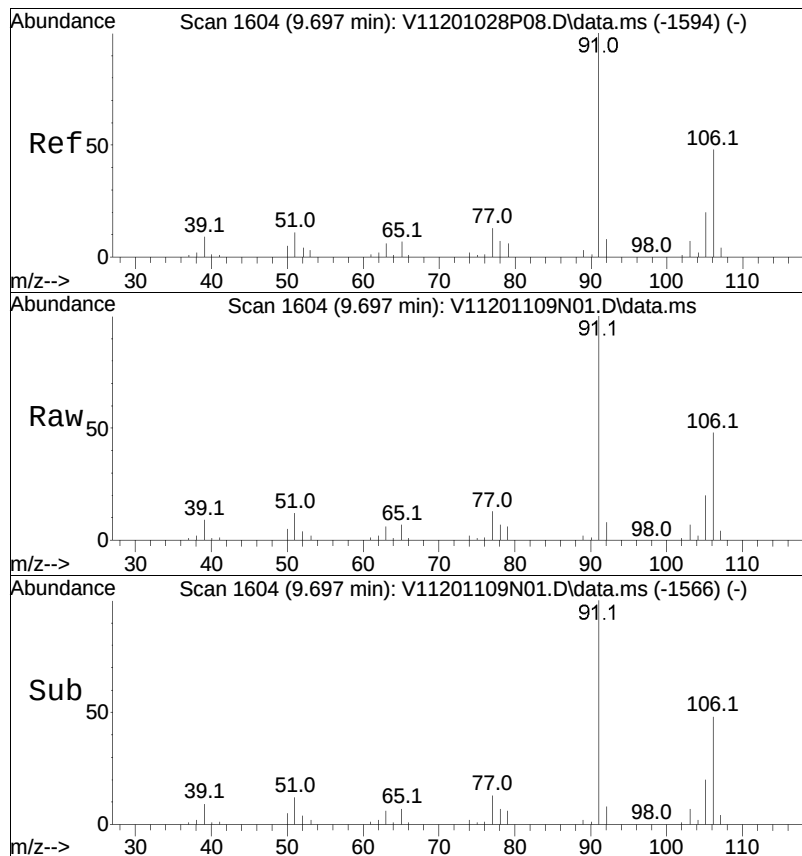




#76
 p/m Xylene
 Concen: 92.21 ug/L
 RT: 9.157 min Scan# 1501
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

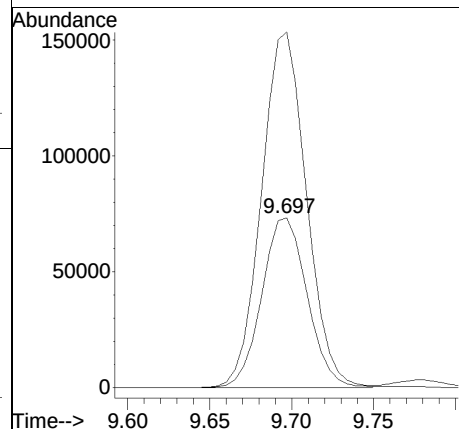
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	197.4	159.3	238.9	

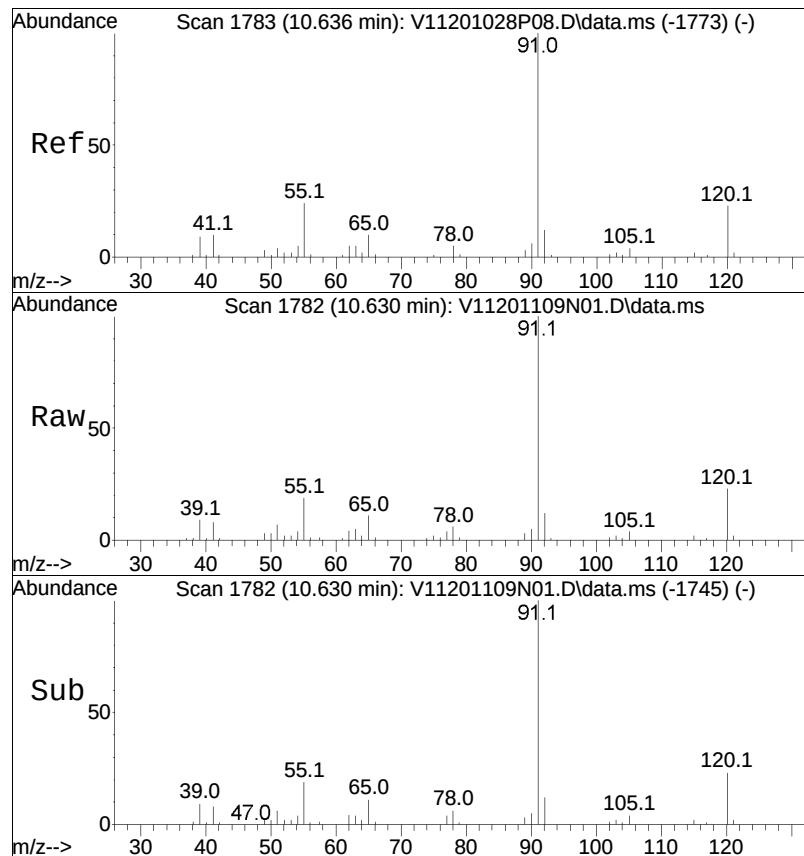




#77
 o Xylene
 Concen: 91.00 ug/L
 RT: 9.697 min Scan# 1604
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

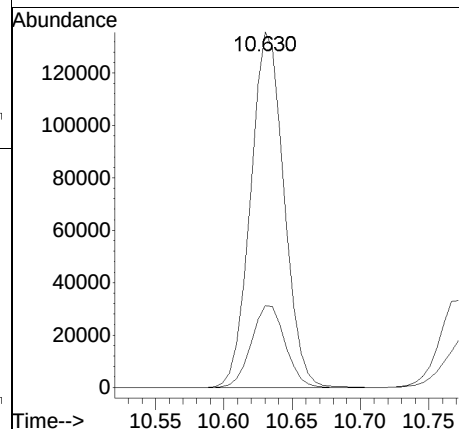
Tgt Ion	106	91	Ratio	100	Resp	140399	Lower	Upper
106	100							
91	208.0						170.2	255.2

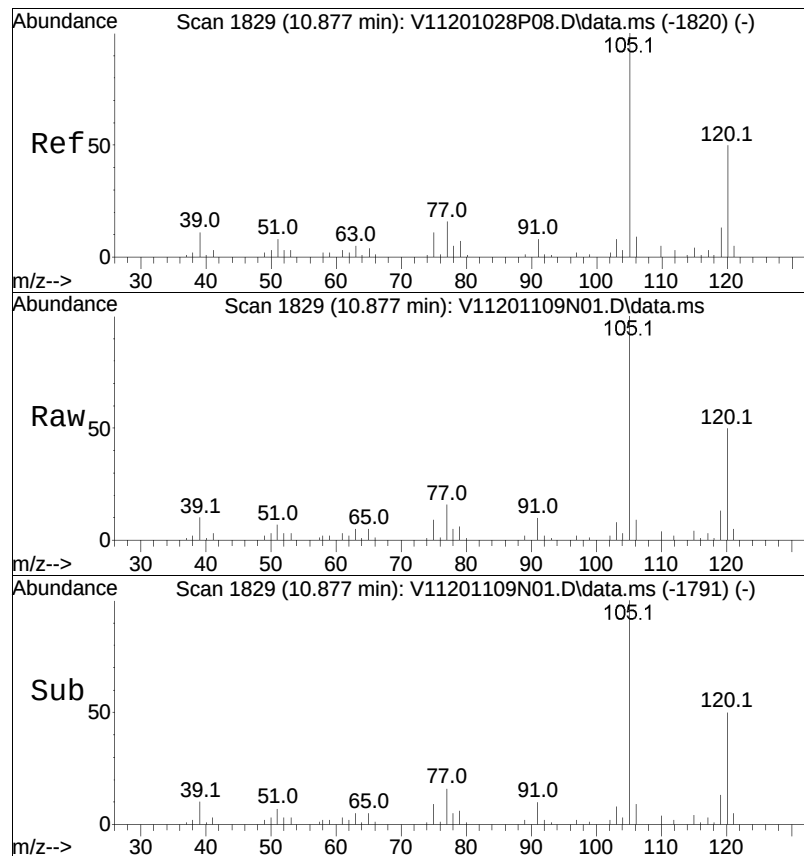




#85
 n-Propylbenzene
 Concen: 41.95 ug/L
 RT: 10.630 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

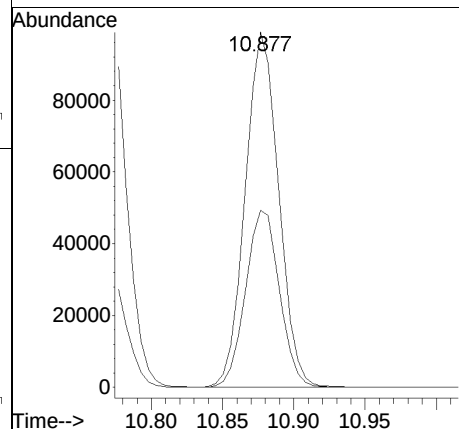
Tgt	Ion	Resp	Lower	Upper
91	100	230102		
120	23.3	18.6	27.8	

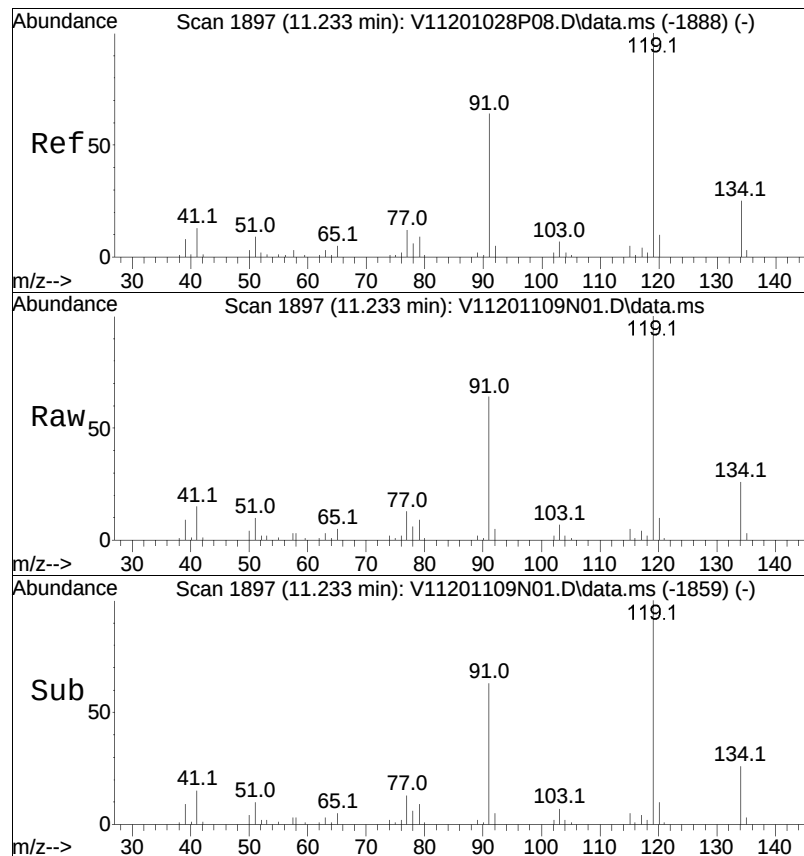




#90
 1,3,5-Trimethylbenzene
 Concen: 42.71 ug/L
 RT: 10.877 min Scan# 1829
 Delta R.T. -0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

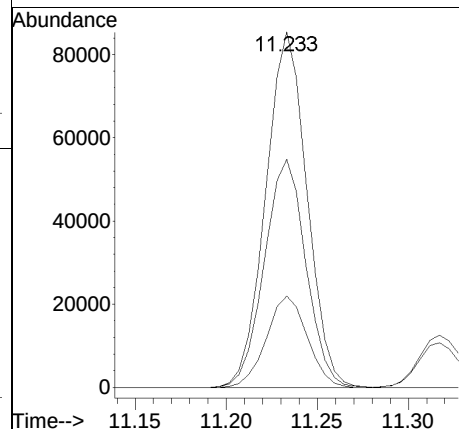
Tgt Ion	105	120	Ratio	Lower	Upper
Resp:	161364				
Ion	100				
Ratio	50.6	39.8			
Lower		59.8			
Upper					

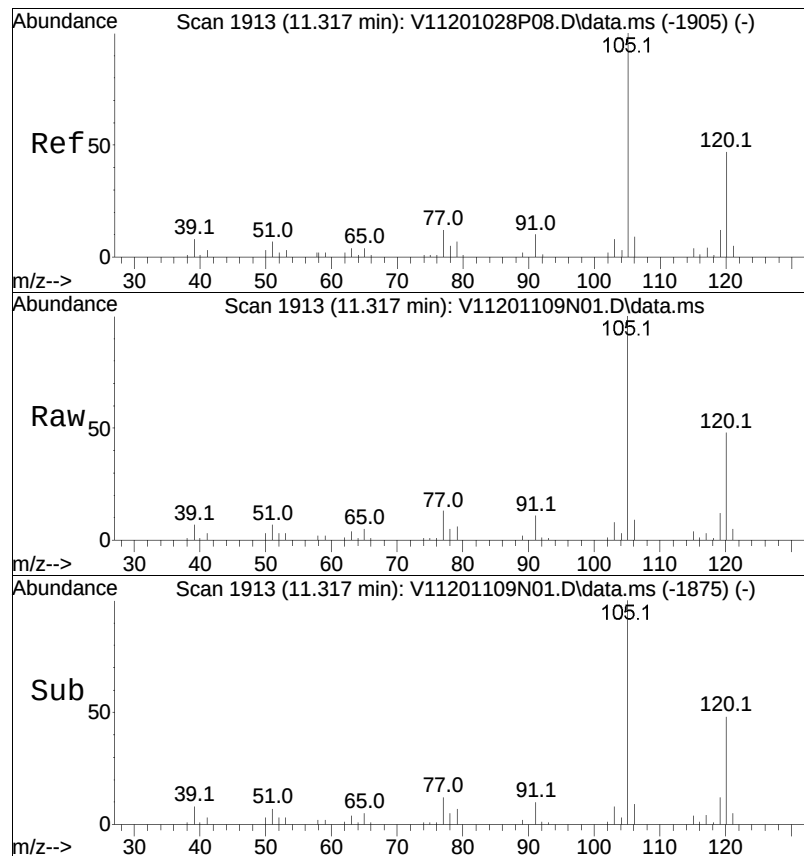




#94
 tert-Butylbenzene
 Concen: 41.96 ug/L
 RT: 11.233 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

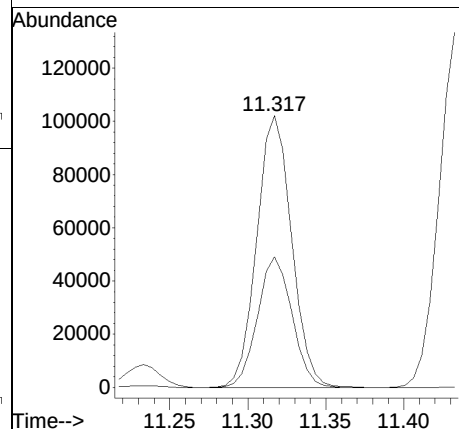
Tgt Ion	119	134	Ratio	Lower	Upper
119	100				
91	64.7		53.0	79.4	
134	25.5		19.8	29.6	

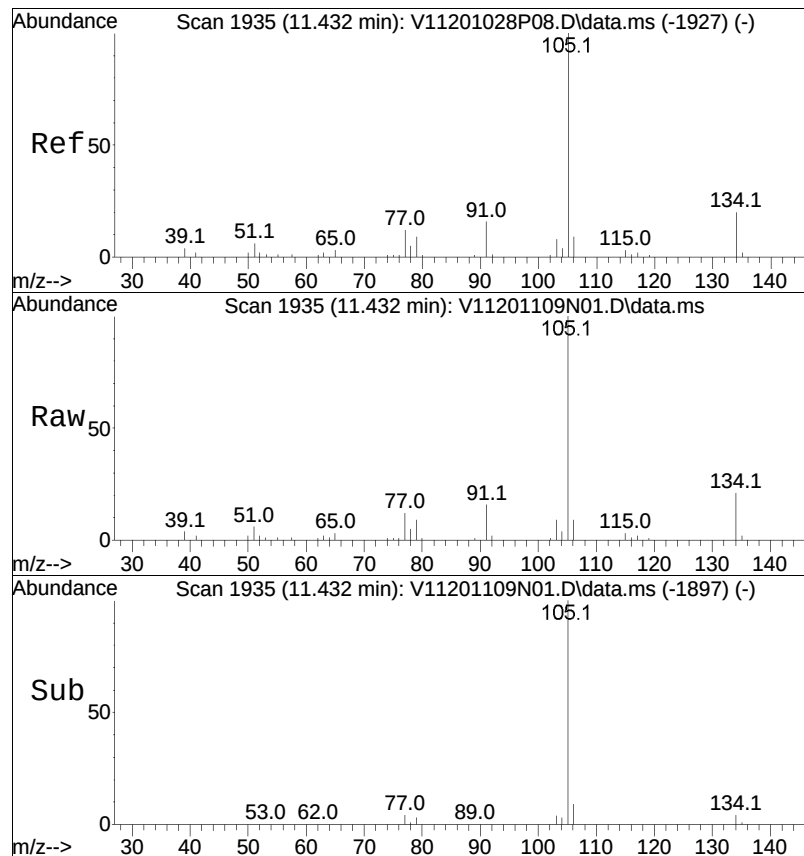




#97
 1,2,4-Trimethylbenzene
 Concen: 43.21 ug/L
 RT: 11.317 min Scan# 1913
 Delta R.T. 0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

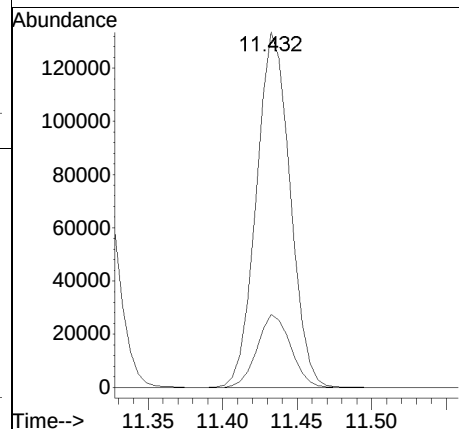
Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	47.4		37.4	56.0	

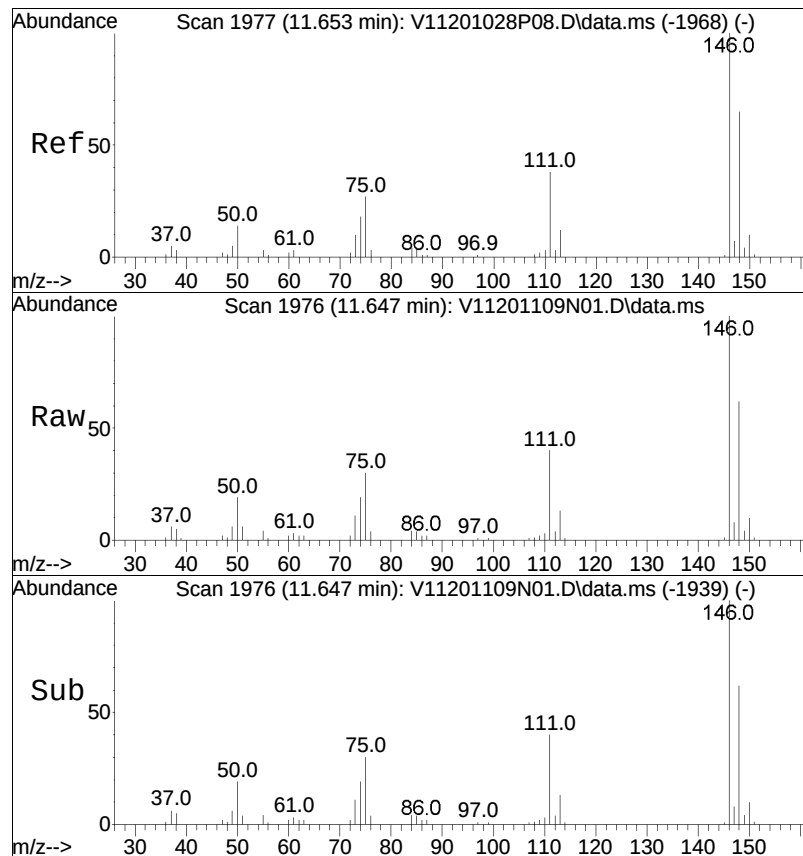




#98
 sec-Butylbenzene
 Concen: 43.14 ug/L
 RT: 11.432 min Scan# 1935
 Delta R.T. 0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

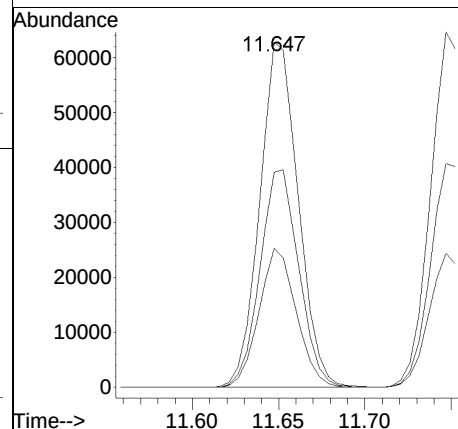
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	20.4	13.2	27.4	

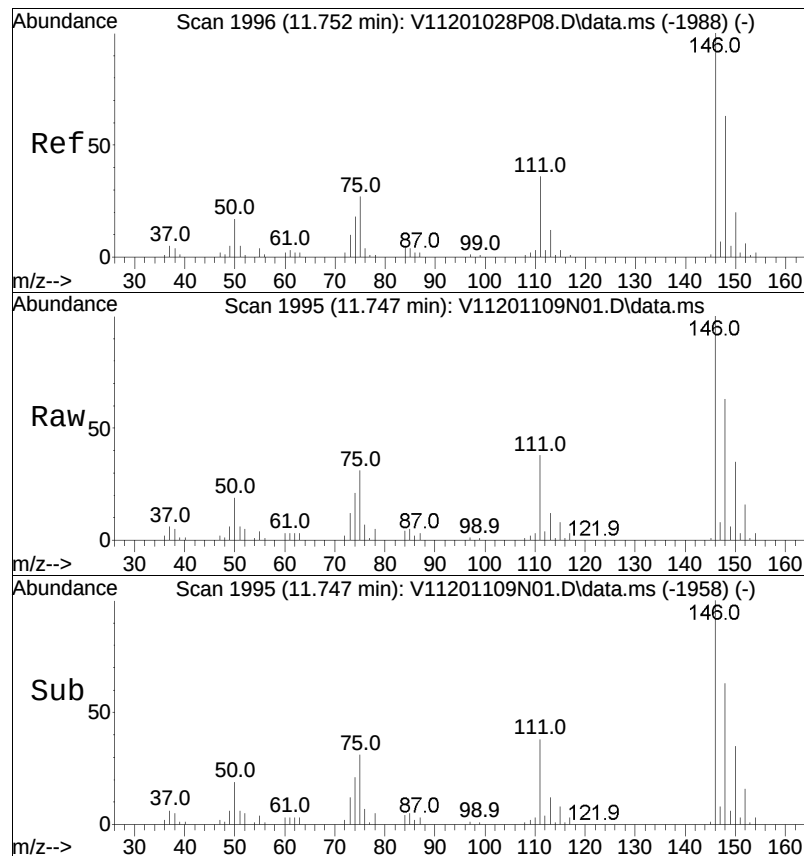




#100
 1,3-Dichlorobenzene
 Concen: 40.86 ug/L
 RT: 11.647 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

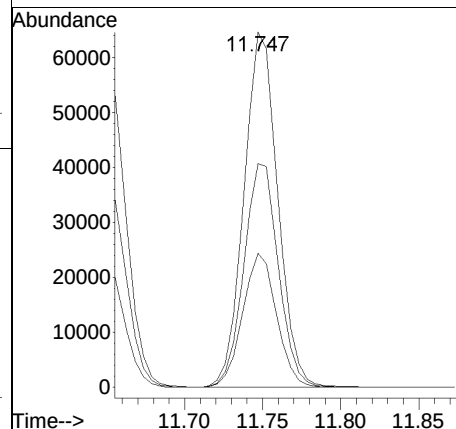
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	25.6	53.2
148	63.4	41.3	85.9

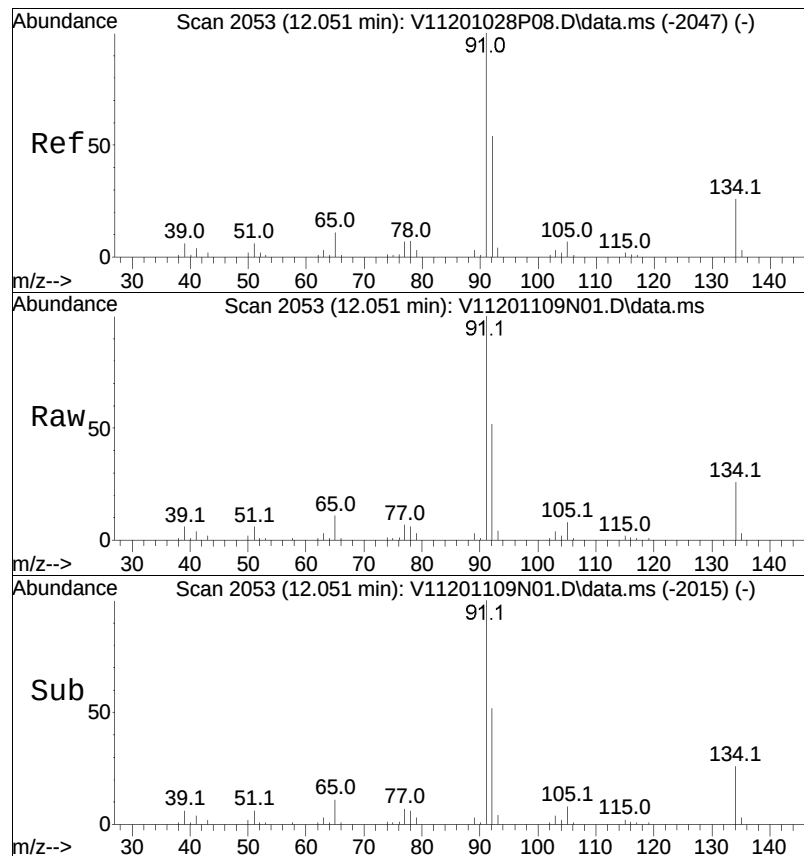




#101
 1,4-Dichlorobenzene
 Concen: 39.49 ug/L
 RT: 11.747 min Scan# 1995
 Delta R.T. -0.005 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

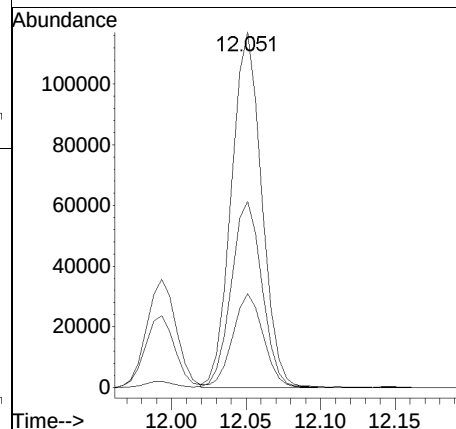
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	31.4	47.0
148	64.1	50.7	76.1

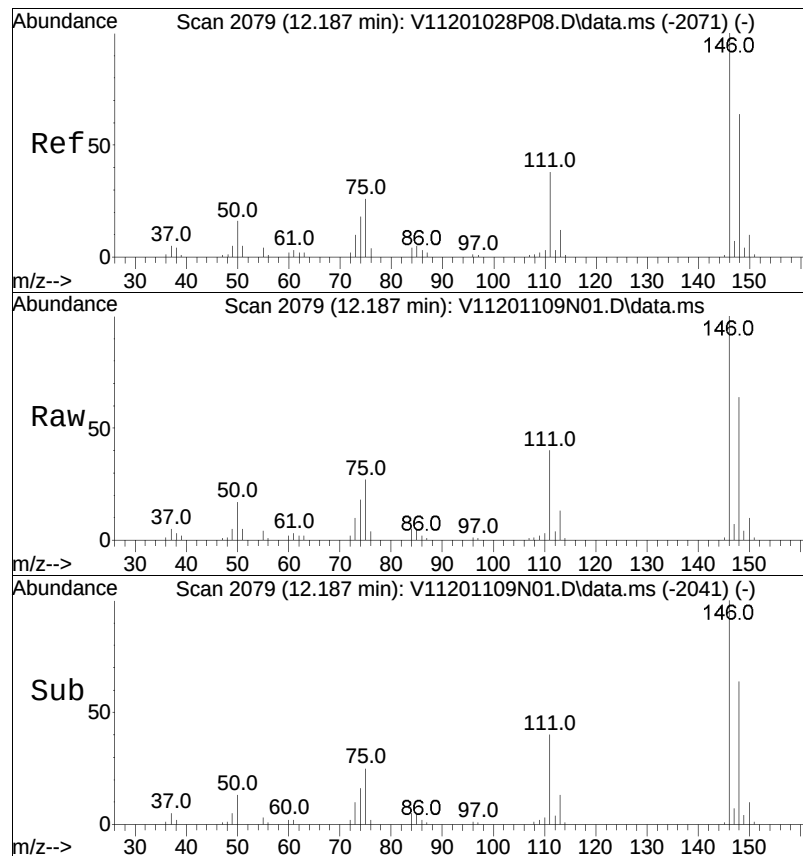




#103
 n-Butylbenzene
 Concen: 44.26 ug/L
 RT: 12.051 min Scan# 2053
 Delta R.T. 0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

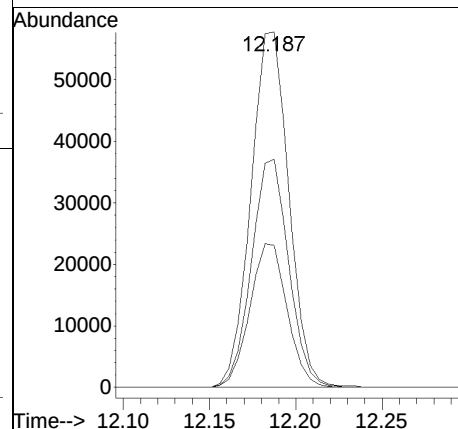
Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	43.3	64.9
134	26.3	21.4	32.0





#104
 1,2-Dichlorobenzene
 Concen: 39.88 ug/L
 RT: 12.187 min Scan# 2079
 Delta R.T. 0.000 min
 Lab File: V11201109N01.D
 Acq: 09 Nov 2020 05:13 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	26.9	55.9
148	62.9	41.2	85.6



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201109N01.D Operator : VOA111:AD
Date Inj'd : 11/9/2020 5:13 pm Instrument : VOA111
Sample : WG1432485-3,31H,15,15,0.10Quant Date : 11/9/2020 6:18 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-3,31,5,5
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	179103	20.000	ug/L	0.00
Standard Area 1 = 179103			Recovery	=	100.00%	
59) Chlorobenzene-d5	9.105	117	129054	20.000	ug/L	0.00
Standard Area 1 = 129054			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	11.889	152	65943	20.000	ug/L	0.00
Standard Area 1 = 65943			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.847	113	45973	17.794	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	88.97%	
43) 1,2-Dichloroethane-d4	5.351	65	37137	17.376	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	86.88%	
60) Toluene-d8	7.280	98	175075	20.422	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.11%	
83) 4-Bromofluorobenzene	10.641	95	59565	19.785	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	98.92%	
Target Compounds						
						Qvalue
4) Vinyl chloride	1.749	62	101834	39.592	ug/L	98
10) 1,1-Dichloroethene	2.708	96	84539	39.803	ug/L	96
15) Methylene chloride	3.227	84	97349	37.030	ug/L	97
17) Acetone	3.269	43	14285	35.878	ug/L	91
18) trans-1,2-Dichloroethene	3.363	96	98328	38.526	ug/L	99
20) Methyl tert-butyl ether	3.447	73	208386	36.912	ug/L	99
23) 1,1-Dichloroethane	3.914	63	187454	40.916	ug/L	99
28) cis-1,2-Dichloroethene	4.417	96	106428	37.196	ug/L	99
32) Chloroform	4.674	83	164827	33.467	ug/L	99
34) Carbon tetrachloride	4.790	117	131183	31.019	ug/L	99
37) 1,1,1-Trichloroethane	4.853	97	143503	35.229	ug/L	99
39) 2-Butanone	4.963	43	25989	44.597	ug/L	# 86
41) Benzene	5.209	78	364794	36.372	ug/L	99
44) 1,2-Dichloroethane	5.419	62	107391	34.904	ug/L	99
48) Trichloroethene	5.796	95	101597	36.151	ug/L	100
57) 1,4-Dioxane	6.614	88	37030	2688.058	ug/L	96
61) Toluene	7.332	92	237681	39.607	ug/L	99
63) Tetrachloroethene	7.773	166	108075	40.267	ug/L	98
73) Chlorobenzene	9.126	112	263014	35.127	ug/L	100
74) Ethylbenzene	9.162	91	447047	39.261	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-3,31,5,5
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	p/m Xylene	9.346	106	345358	76.569	ug/L	98
77)	o Xylene	9.891	106	324478	71.950	ug/L	99
85)	n-Propylbenzene	10.798	91	525128	39.896	ug/L	99
90)	1,3,5-Trimethylbenzene	11.034	105	367355	38.717	ug/L	98
94)	tert-Butylbenzene	11.385	119	319974	39.875	ug/L	98
97)	1,2,4-Trimethylbenzene	11.469	105	368098	39.068	ug/L	100
98)	sec-Butylbenzene	11.579	105	481717	40.979	ug/L	99
100)	1,3-Dichlorobenzene	11.810	146	217517	37.763	ug/L	99
101)	1,4-Dichlorobenzene	11.904	146	215591	36.825	ug/L	99
103)	n-Butylbenzene	12.182	91	356265	39.195	ug/L	99
104)	1,2-Dichlorobenzene	12.334	146	195886	37.595	ug/L	99

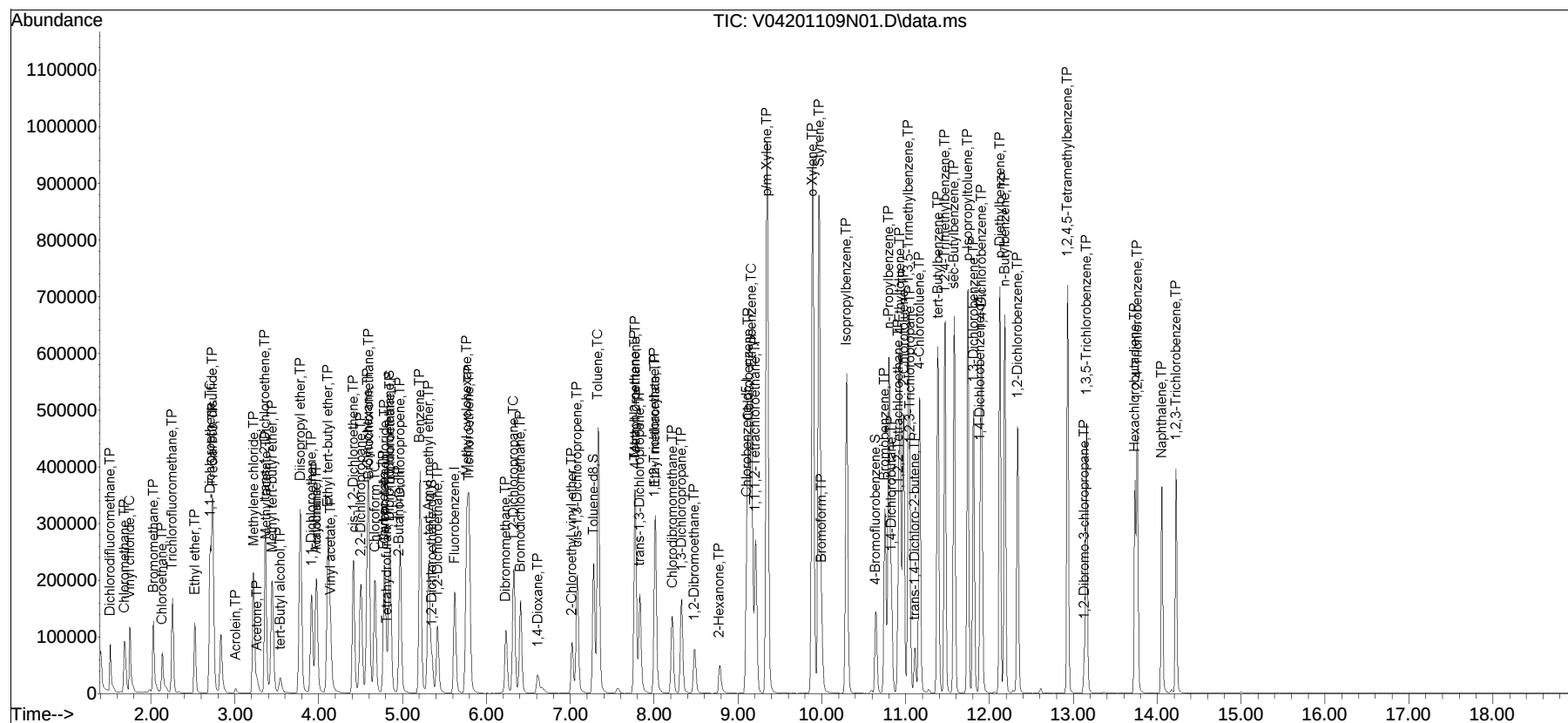
(#) = qualifier out of range (m) = manual integration (+) = signals summed

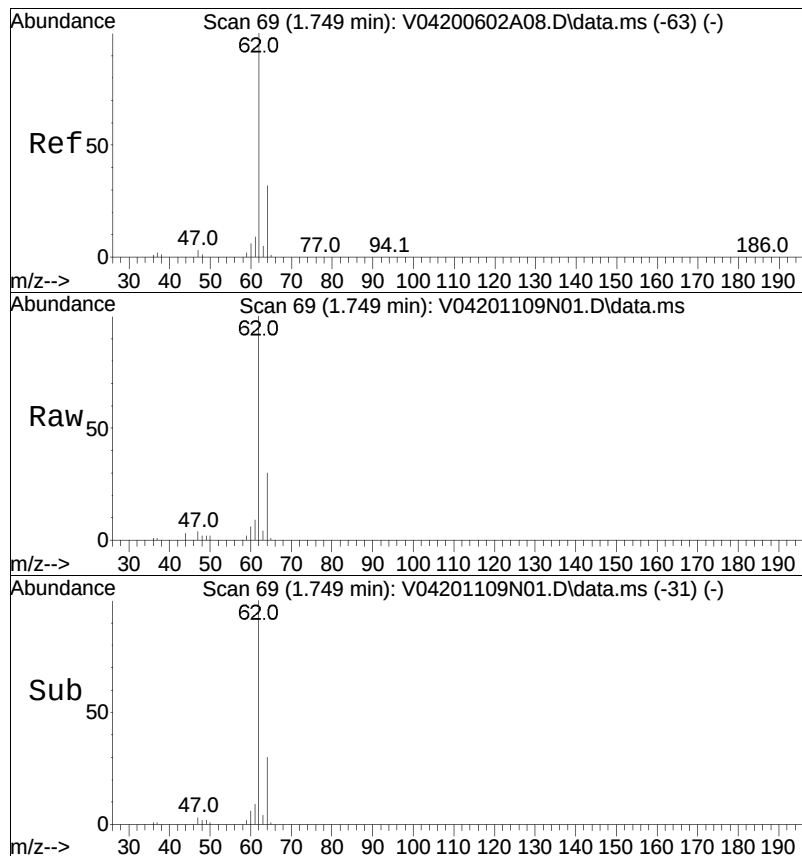
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N01.D
 Acq On : 9 Nov 2020 6:31 pm
 Operator : VOA104:AD
 Sample : WG1432466-3,31,5,5
 Misc : WG1432466,ICAL16845
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 09 18:51:24 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

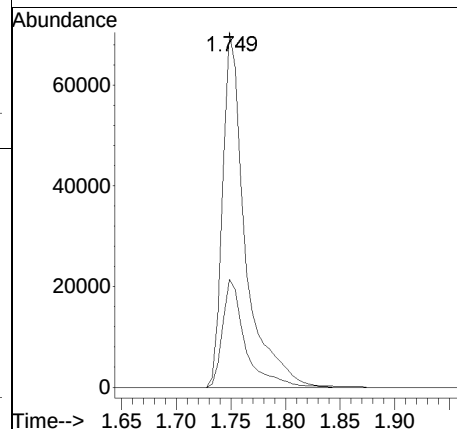
Sub List : 8260-CurveSoil - Megamix plus Diox9N\V04201109N01.D•

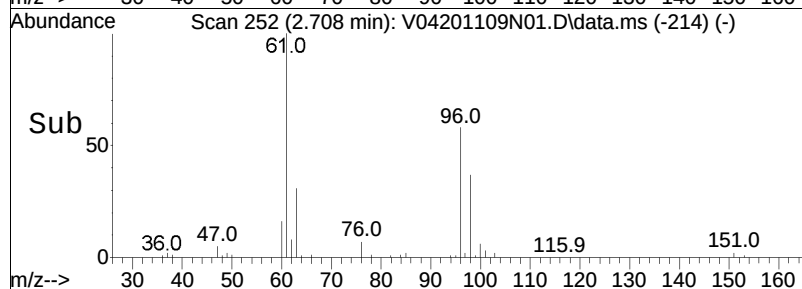
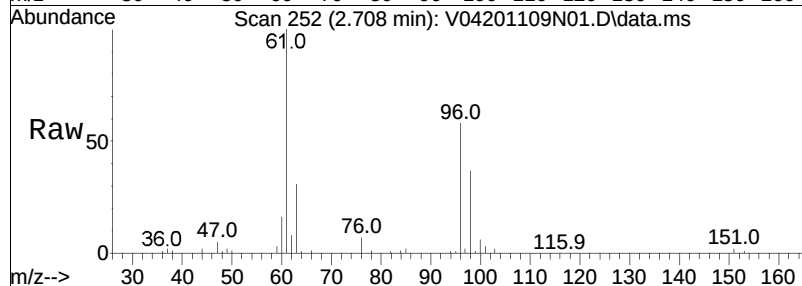
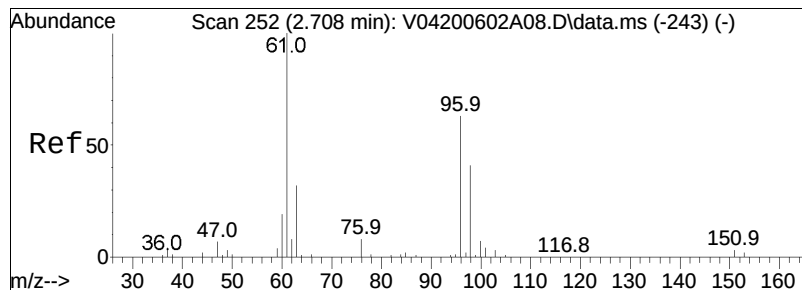




#4
 Vinyl chloride
 Concen: 39.59 ug/L
 RT: 1.749 min Scan# 69
 Delta R.T. -0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

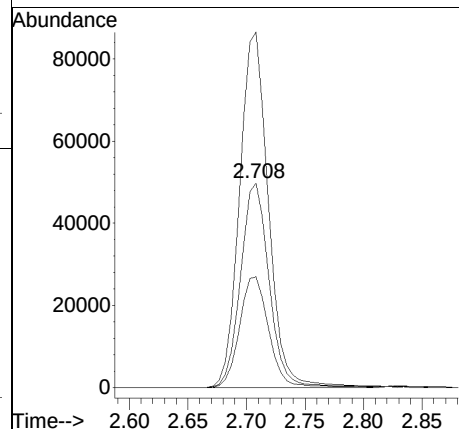
Tgt	Ion	Ratio	Lower	Upper
62	100			
64	30.7	11.6	51.6	

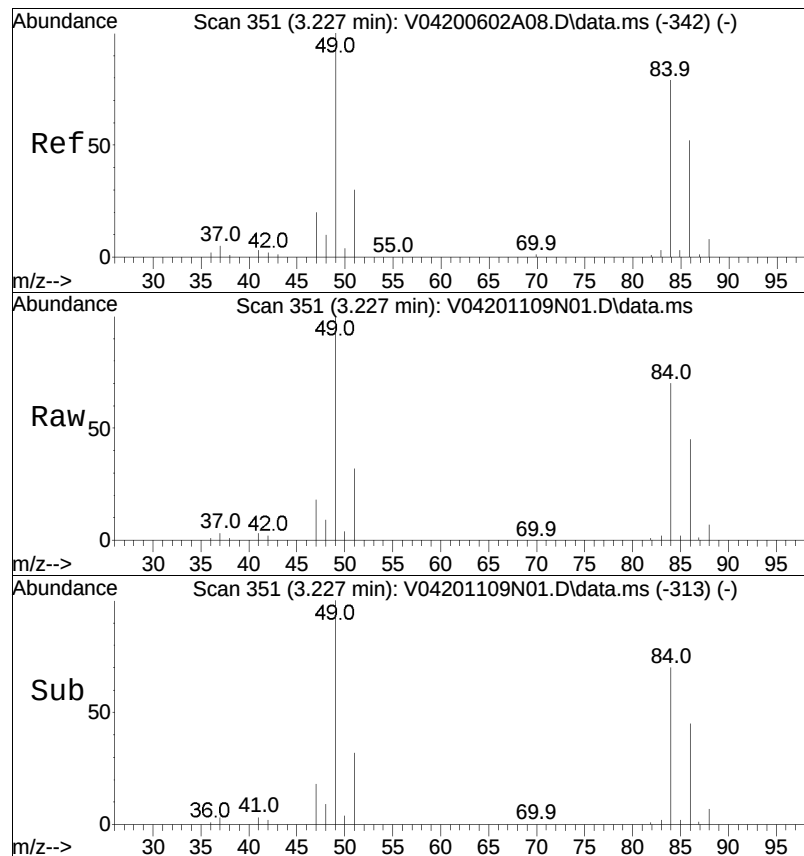




#10
 1,1-Dichloroethene
 Concen: 39.80 ug/L
 RT: 2.708 min Scan# 252
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

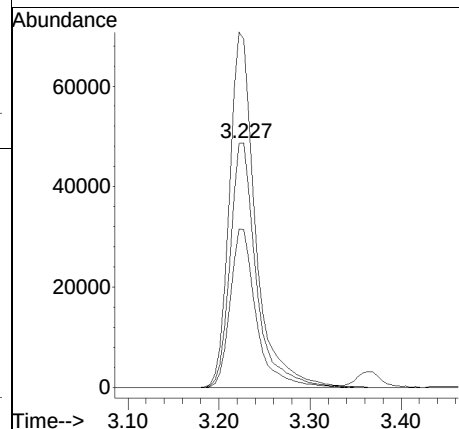
Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.3	145.8	218.6
63	55.4	46.6	69.8

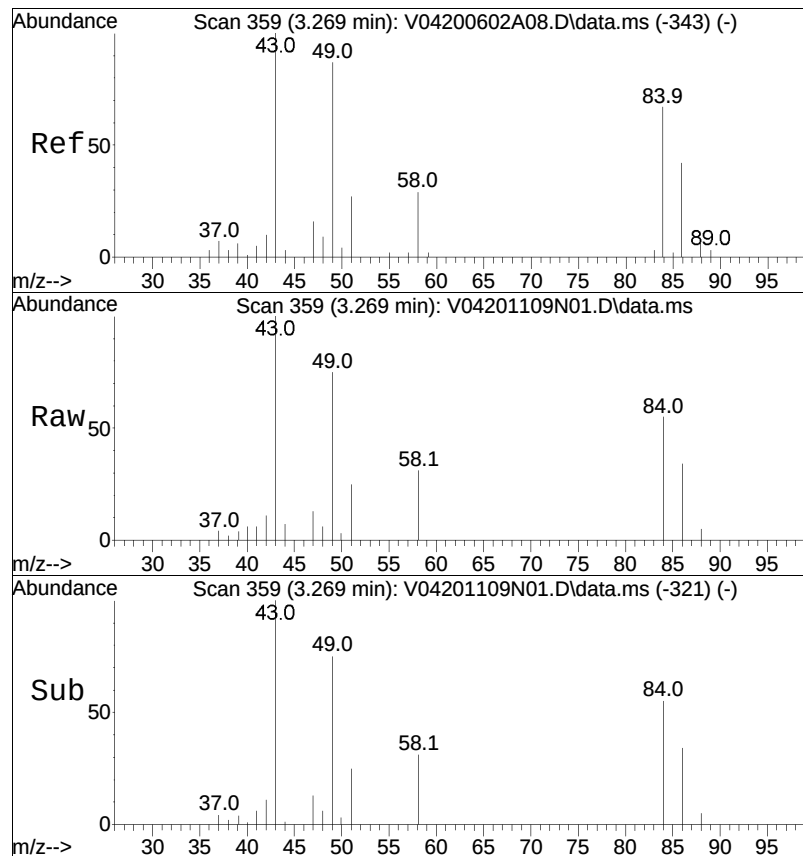




#15
 Methylene chloride
 Concen: 37.03 ug/L
 RT: 3.227 min Scan# 351
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

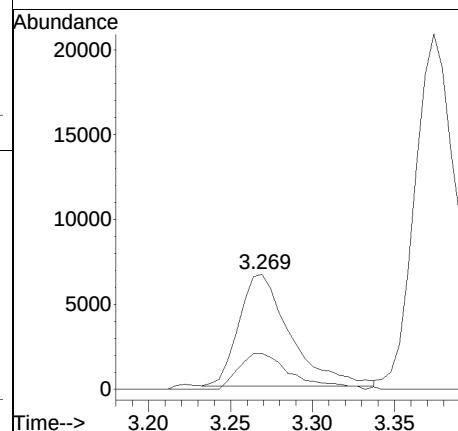
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	64.5	41.3	85.9	
49	144.8	91.0	189.0	

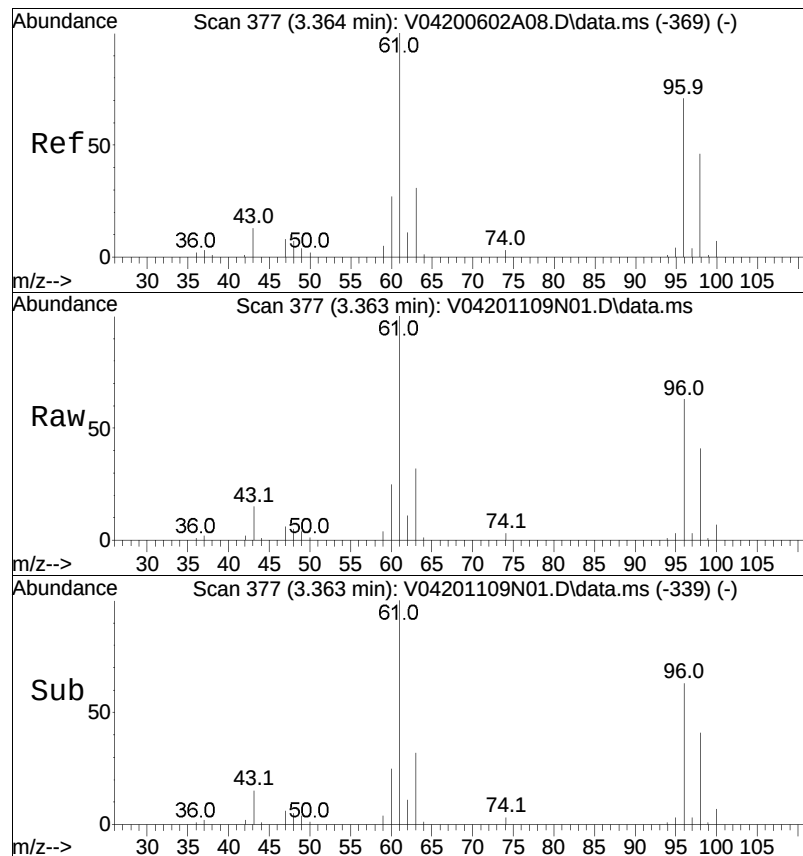




#17
 Acetone
 Concen: 35.88 ug/L
 RT: 3.269 min Scan# 359
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

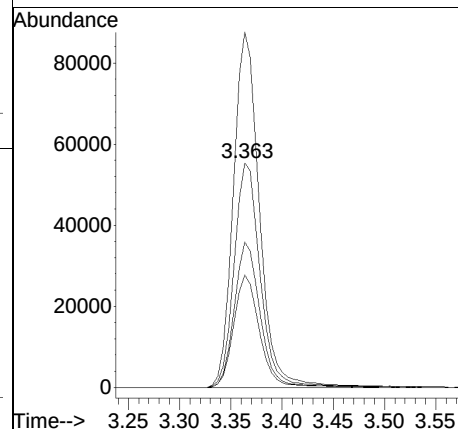
Tgt Ion: 43 Resp: 14285
 Ion Ratio Lower Upper
 43 100
 58 33.9 23.2 34.8

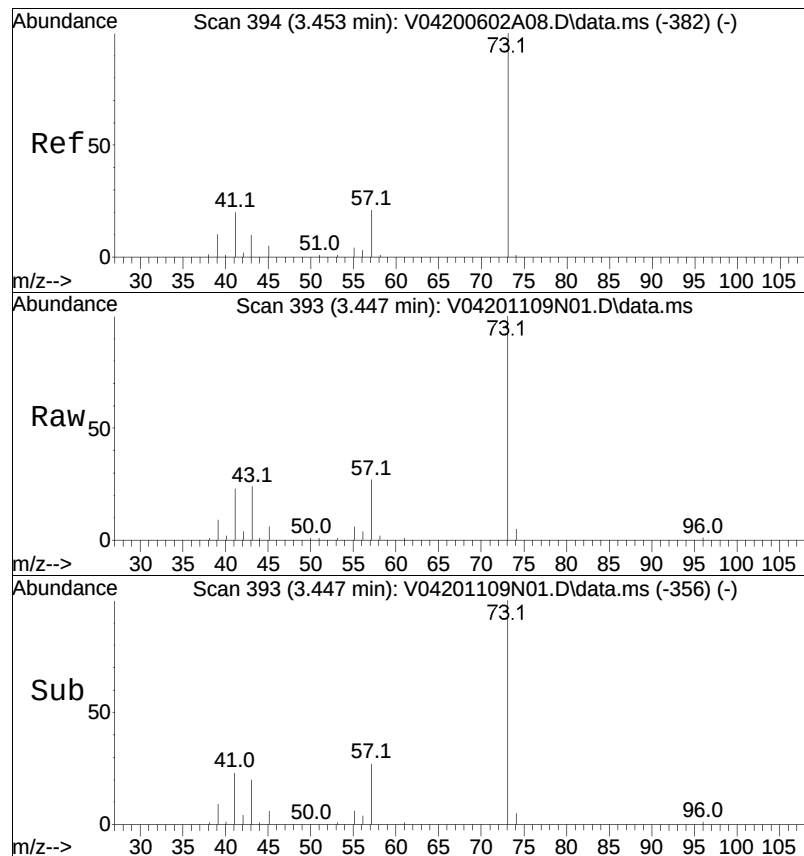




#18
 trans-1,2-Dichloroethene
 Concen: 38.53 ug/L
 RT: 3.363 min Scan# 377
 Delta R.T. -0.001 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

Tgt Ion:	96	Resp:	98328
Ion Ratio	Lower	Upper	
96	100		
61	158.4	103.7	215.3
98	64.1	41.0	85.0
63	49.8	32.1	66.7





#20

Methyl tert-butyl ether

Concen: 36.91 ug/L

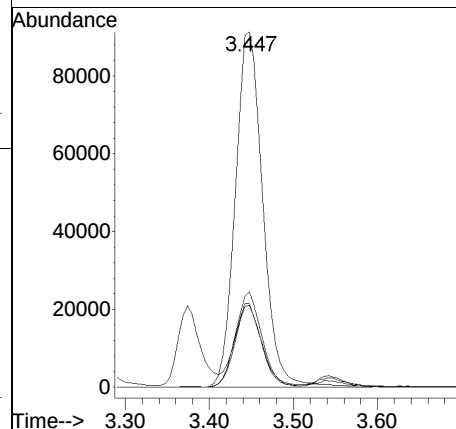
RT: 3.447 min Scan# 393

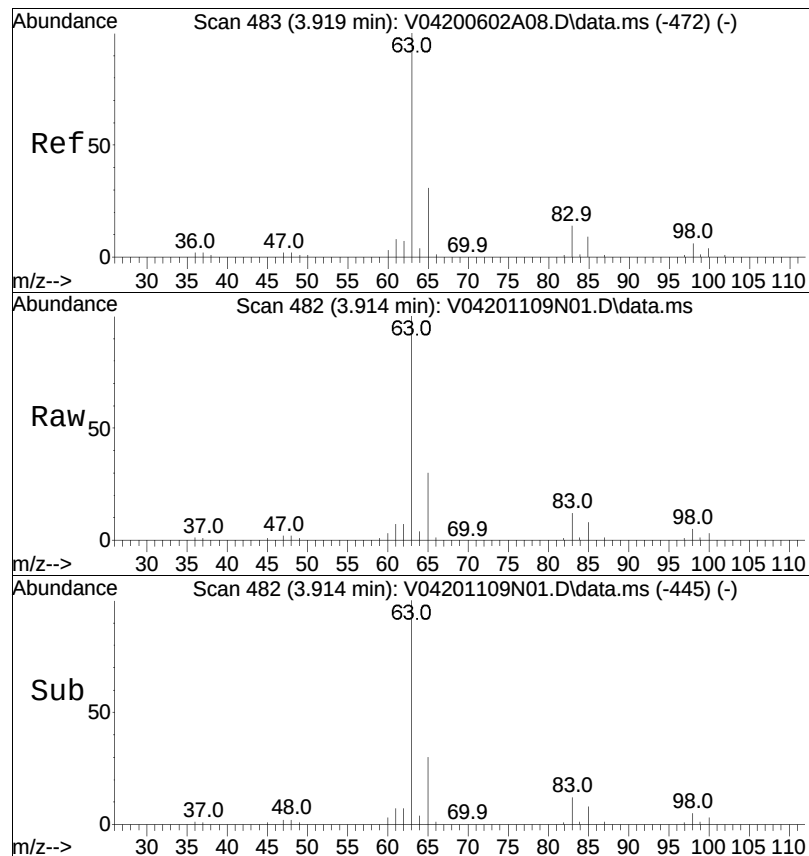
Delta R.T. -0.006 min

Lab File: V04201109N01.D

Acq: 9 Nov 2020 6:31 pm

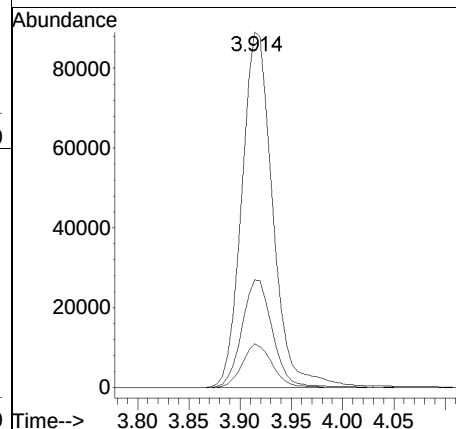
Tgt Ion:	73	Resp:	208386
Ion Ratio	Lower	Upper	
73	100		
57	25.8	16.3	33.9
43	22.7	14.7	30.5
41	22.5	15.4	32.0

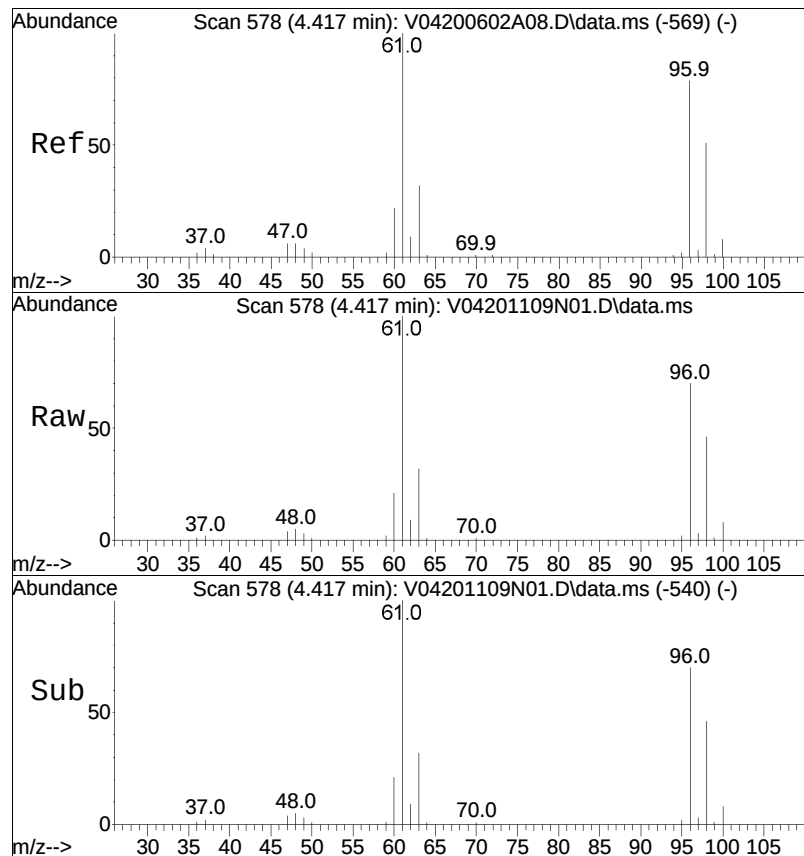




#23
 1,1-Dichloroethane
 Concen: 40.92 ug/L
 RT: 3.914 min Scan# 482
 Delta R.T. -0.005 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

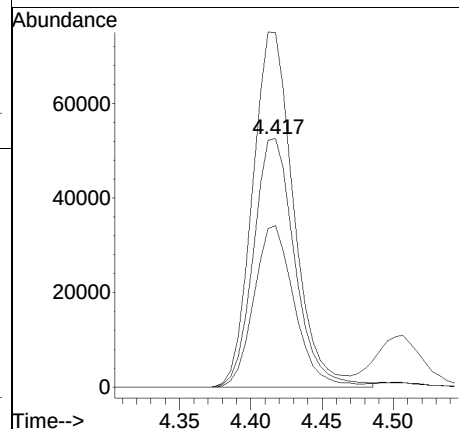
Tgt Ion:	63	Resp:	187454
Ion Ratio	Lower	Upper	
63	100		
65	29.9	10.4	50.4
83	11.8	0.0	32.2

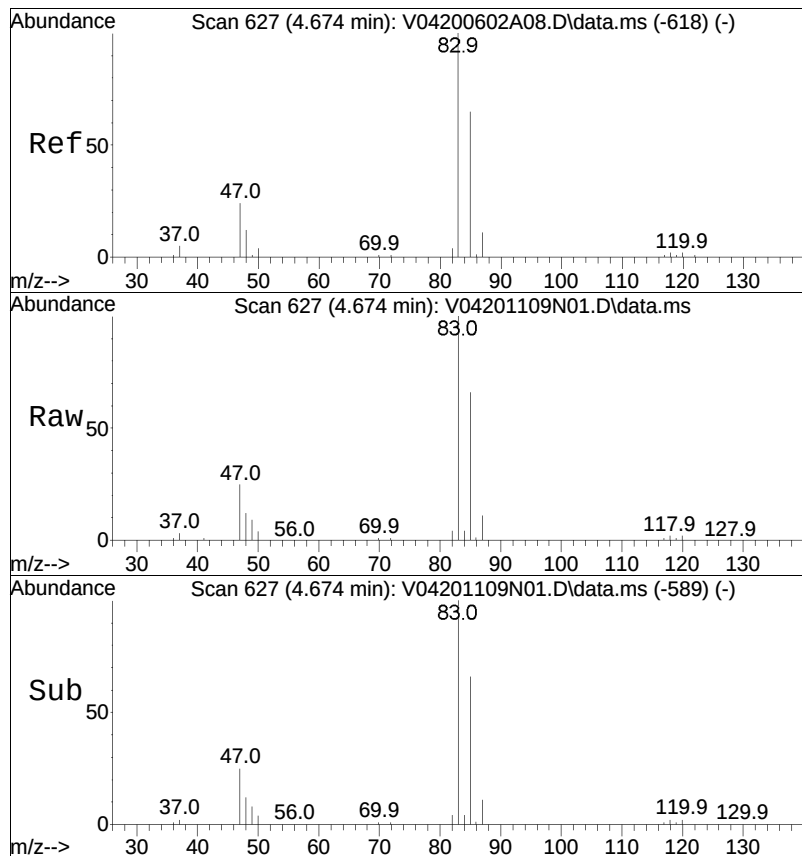




#28
 cis-1,2-Dichloroethene
 Concen: 37.20 ug/L
 RT: 4.417 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

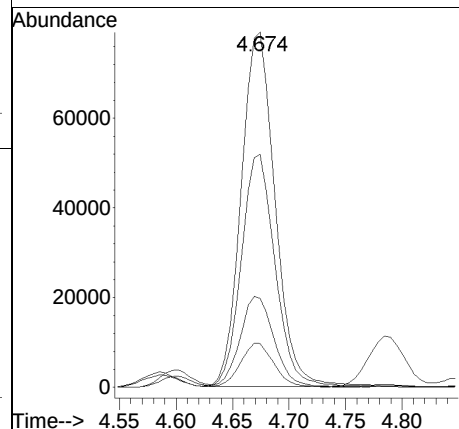
Tgt Ion:	96	Resp:	106428
Ion Ratio	Lower	Upper	
96	100		
61	141.3	114.4	171.6
98	63.5	51.3	76.9

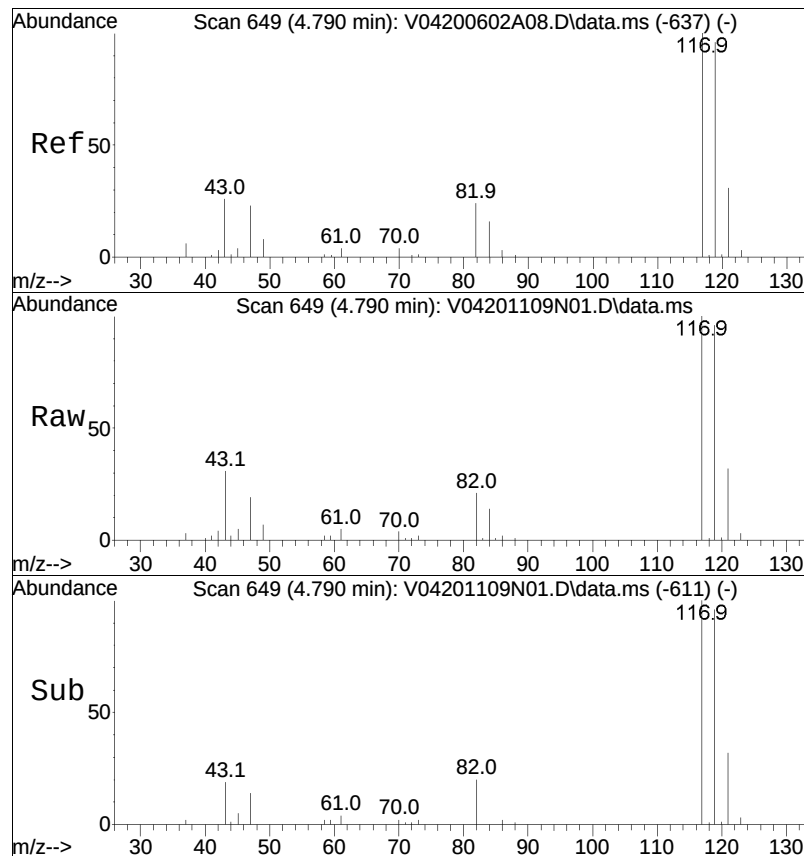




#32
 Chloroform
 Concen: 33.47 ug/L
 RT: 4.674 min Scan# 627
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

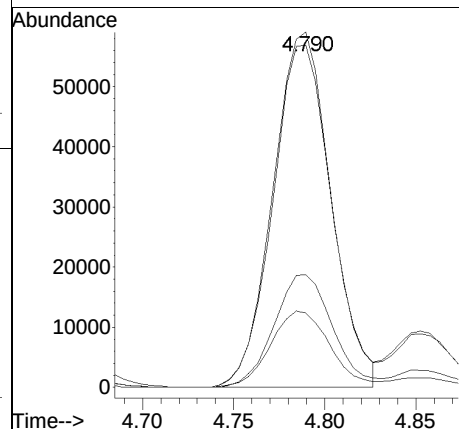
Tgt	Ion: 83	Resp:	164827
Ion	Ratio	Lower	Upper
83	100		
85	65.0	41.9	87.1
47	25.0	16.7	34.7
48	12.5	7.9	16.3

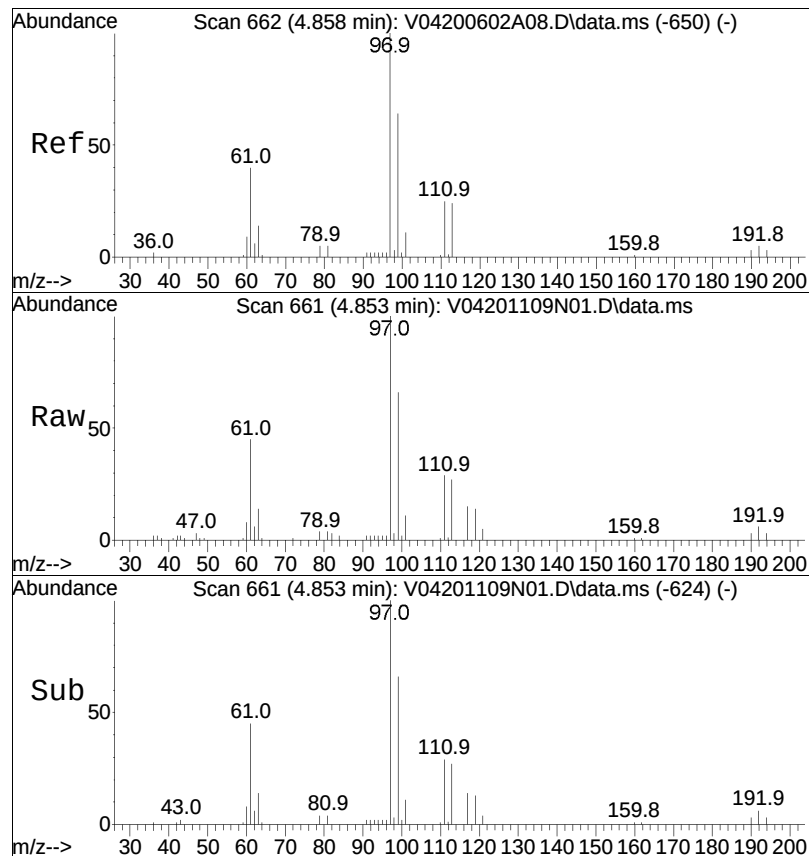




#34
 Carbon tetrachloride
 Concen: 31.02 ug/L
 RT: 4.790 min Scan# 649
 Delta R.T. -0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

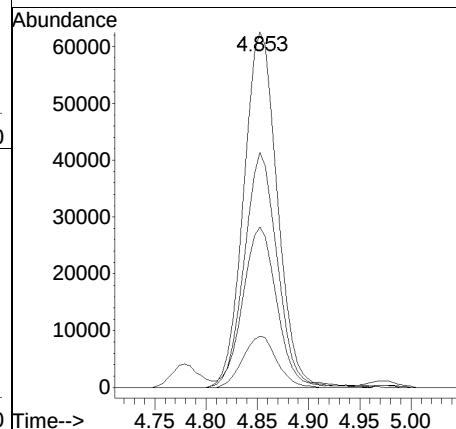
Tgt Ion:	117	Resp:	131183
Ion Ratio	Lower	Upper	
117	100		
119	97.2	62.9	130.7
121	32.2	20.2	42.0
82	21.9	14.9	30.9

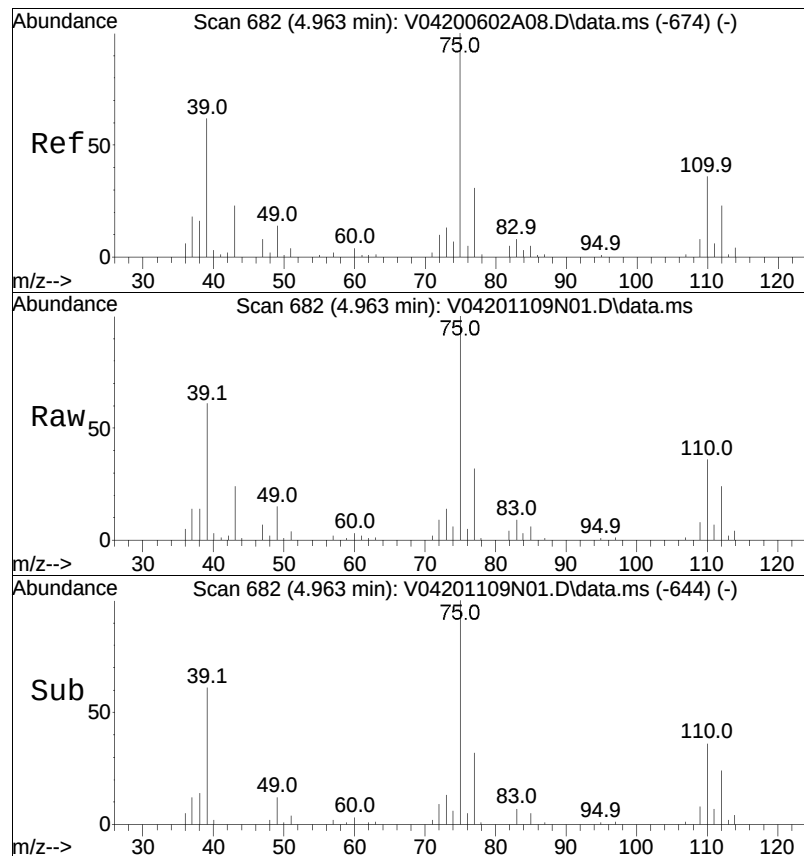




#37
 1,1,1-Trichloroethane
 Concen: 35.23 ug/L
 RT: 4.853 min Scan# 661
 Delta R.T. -0.005 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

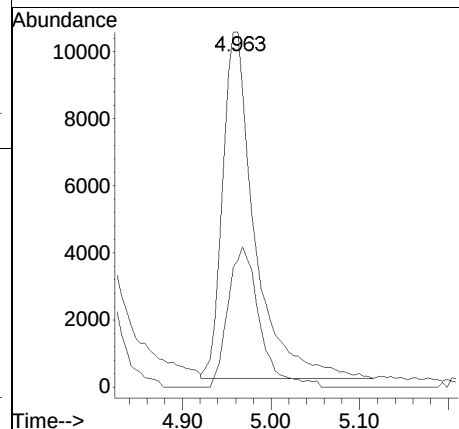
Tgt Ion:	97	Resp:	143503
Ion Ratio	Lower	Upper	
97	100		
99	64.7	41.7	86.7
61	45.7	30.9	64.3
63	14.5	9.6	20.0

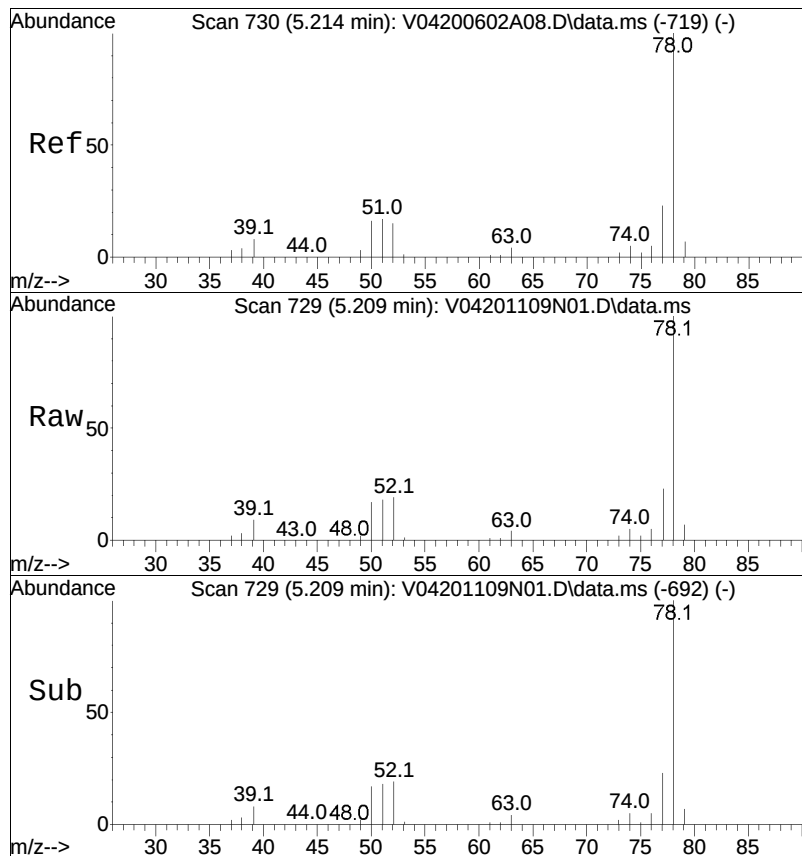




#39
 2-Butanone
 Concen: 44.60 ug/L
 RT: 4.963 min Scan# 682
 Delta R.T. -0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

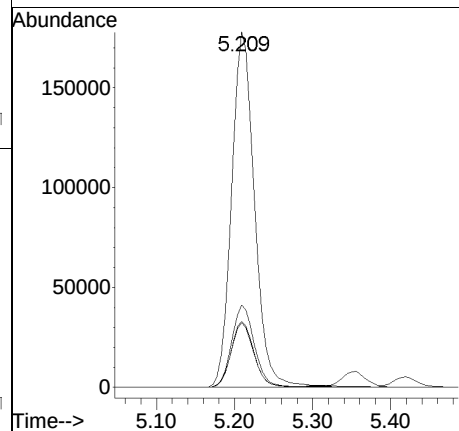
Tgt Ion: 43 Resp: 25989
 Ion Ratio Lower Upper
 43 100
 72 40.1 25.8 38.8#

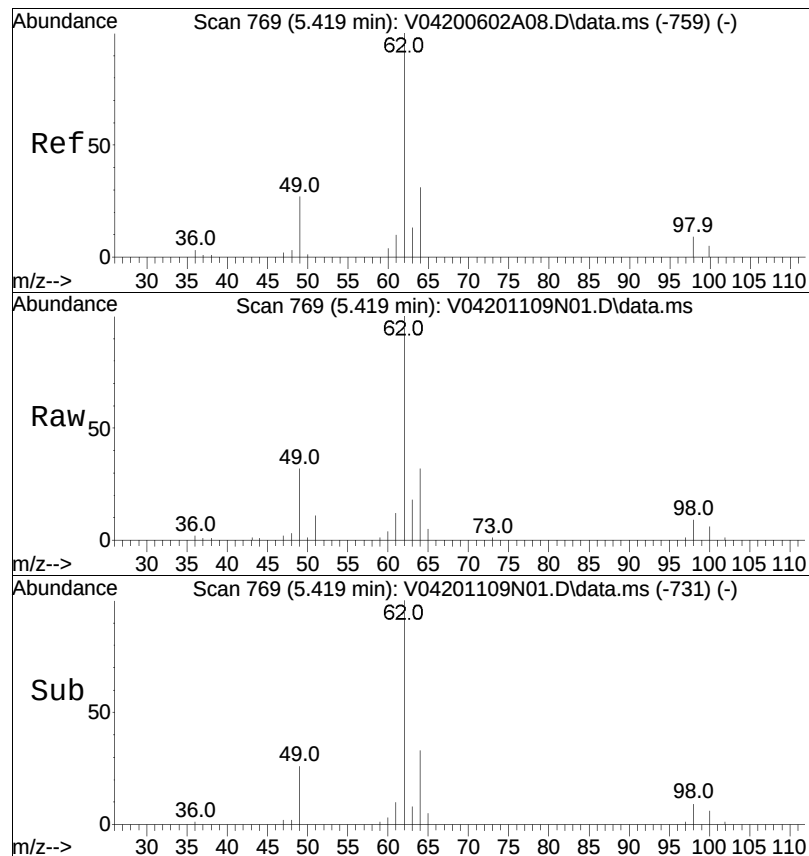




#41
Benzene
Concen: 36.37 ug/L
RT: 5.209 min Scan# 729
Delta R.T. -0.005 min
Lab File: V04201109N01.D
Acq: 9 Nov 2020 6:31 pm

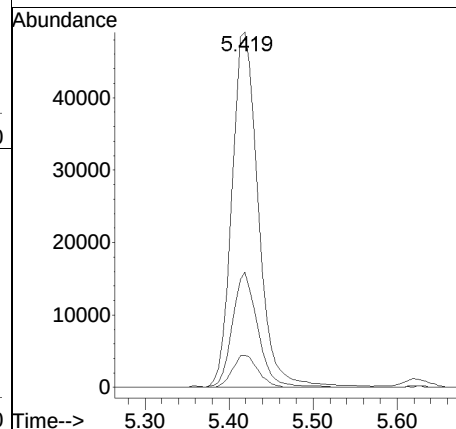
Tgt Ion:	78	Resp:	364794
Ion Ratio	Lower	Upper	
78	100		
77	23.1	15.1	31.3
51	18.0	12.2	25.4
52	18.5	11.9	24.7

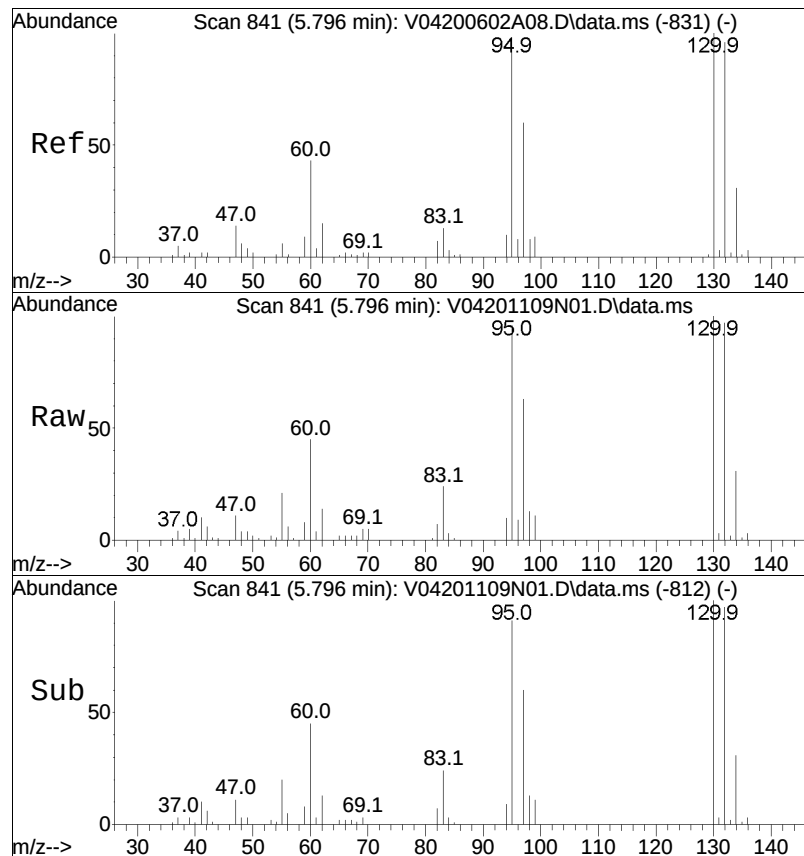




#44
 1,2-Dichloroethane
 Concen: 34.90 ug/L
 RT: 5.419 min Scan# 769
 Delta R.T. -0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

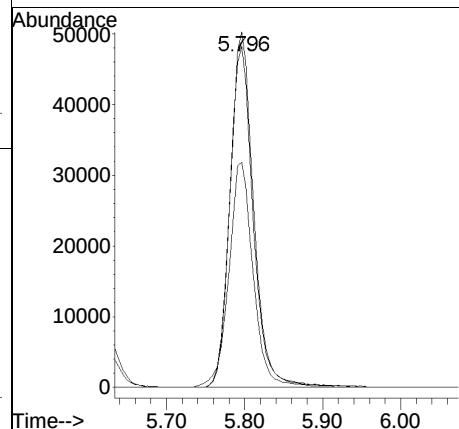
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.2	11.3	51.3
98	8.7	0.0	27.5

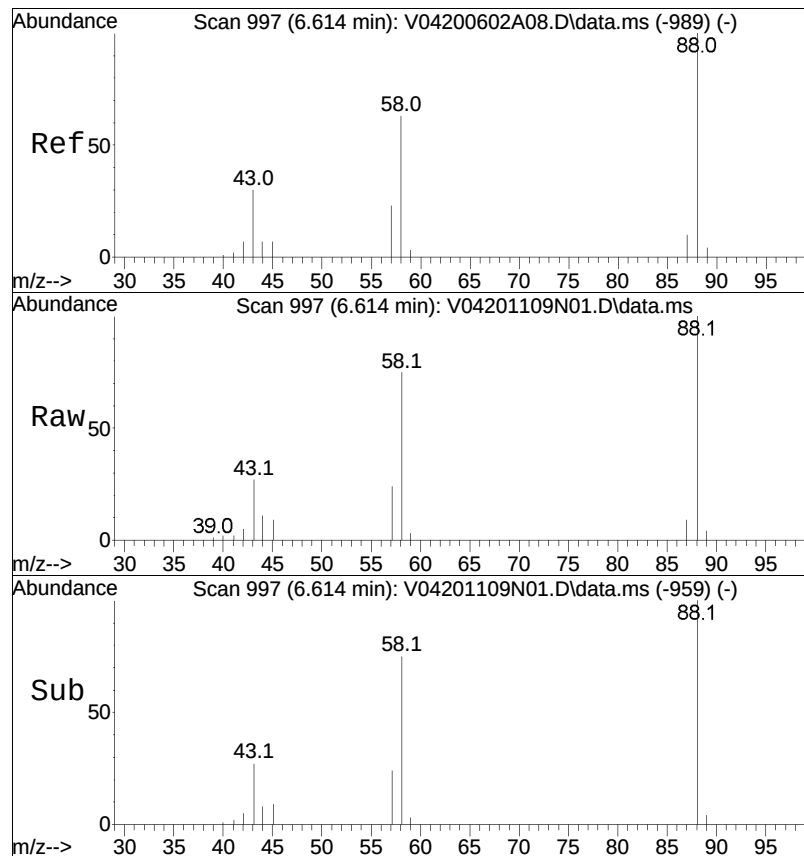




#48
 Trichloroethene
 Concen: 36.15 ug/L
 RT: 5.796 min Scan# 841
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

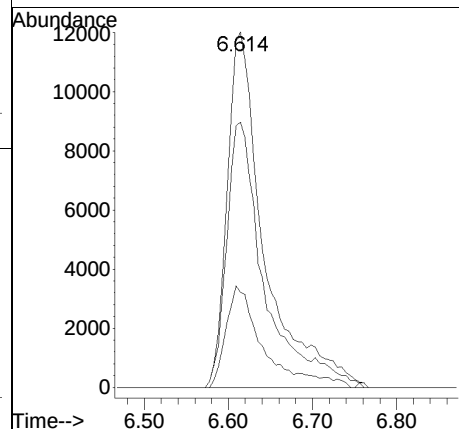
Tgt Ion	Ratio	Lower	Upper
95	100		
97	67.7	53.9	80.9
130	103.8	83.1	124.7

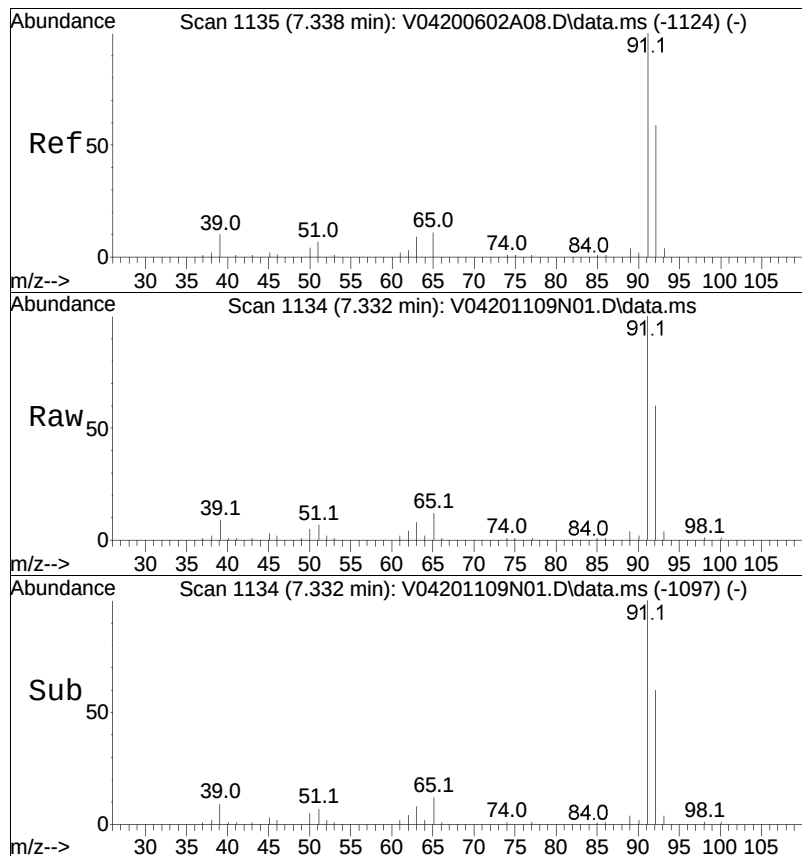




#57
 1,4-Dioxane
 Concen: 2688.06 ug/L
 RT: 6.614 min Scan# 997
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

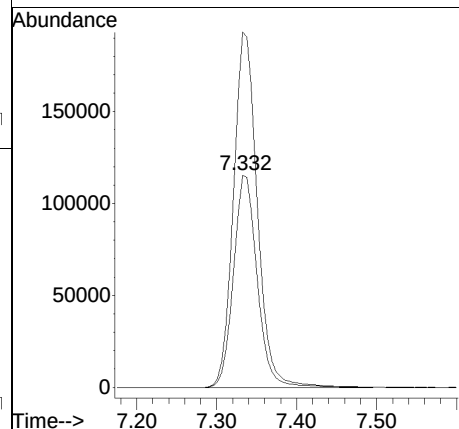
Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.6	57.1	85.7
43	28.8	22.9	34.3

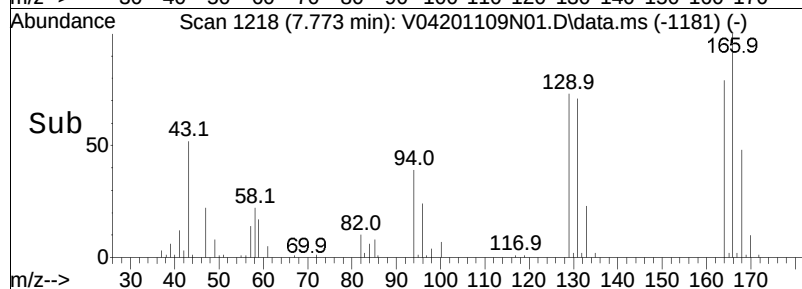
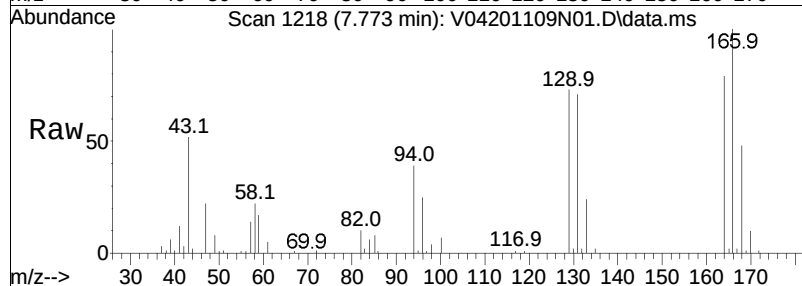
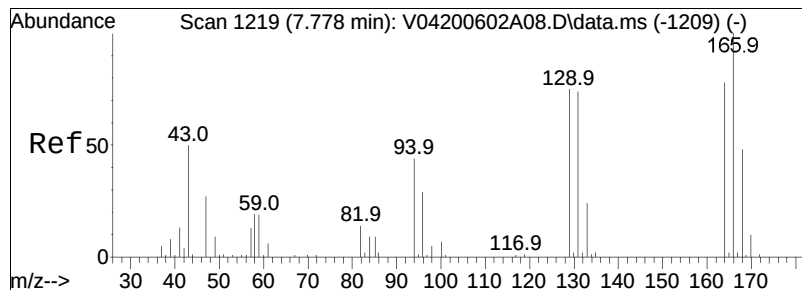




#61
 Toluene
 Concen: 39.61 ug/L
 RT: 7.332 min Scan# 1134
 Delta R.T. -0.006 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

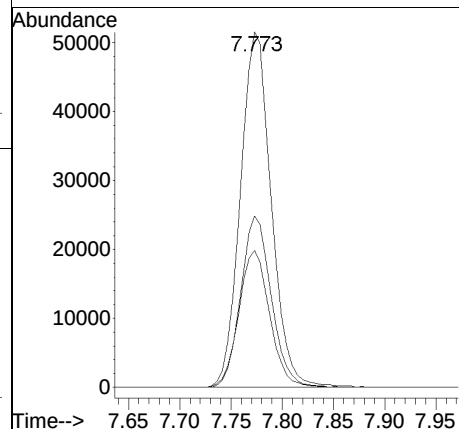
Tgt Ion:	92	Resp:	237681
Ion Ratio	Lower	Upper	
92	100		
91	168.4	135.8	203.6

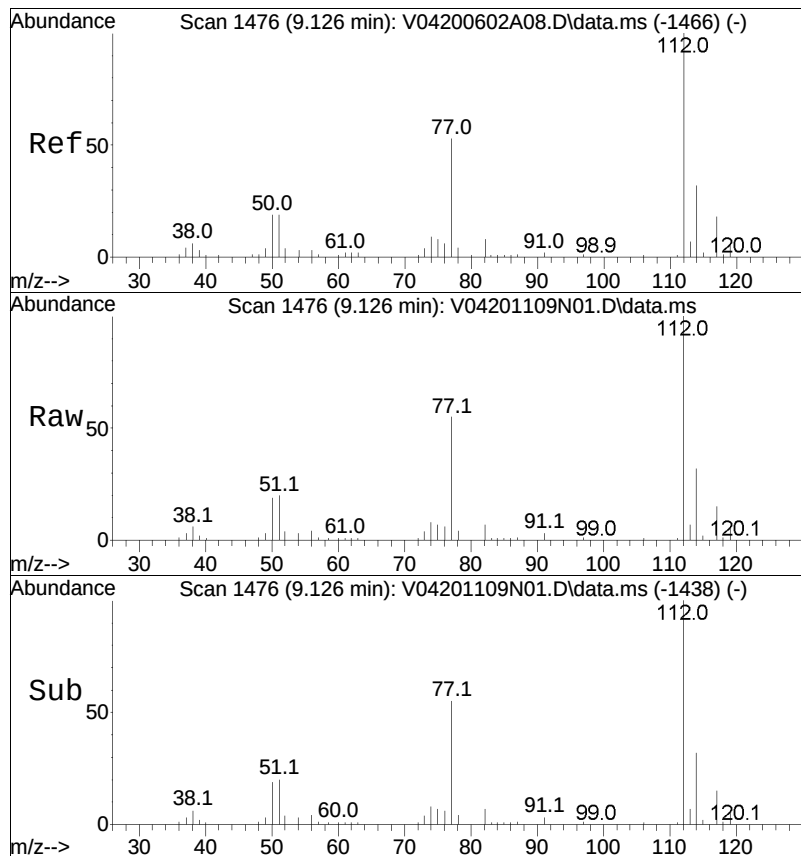




#63
Tetrachloroethene
Concen: 40.27 ug/L
RT: 7.773 min Scan# 1218
Delta R.T. -0.005 min
Lab File: V04201109N01.D
Acq: 9 Nov 2020 6:31 pm

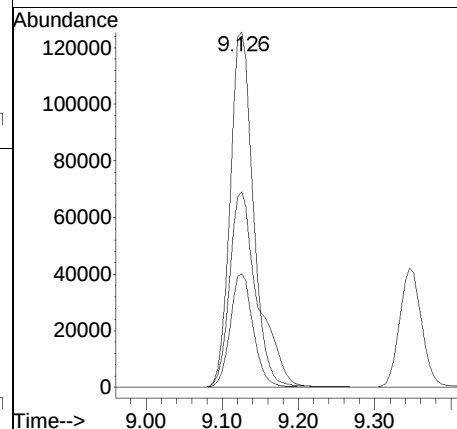
Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.7	27.6	67.6
94	38.6	20.9	60.9

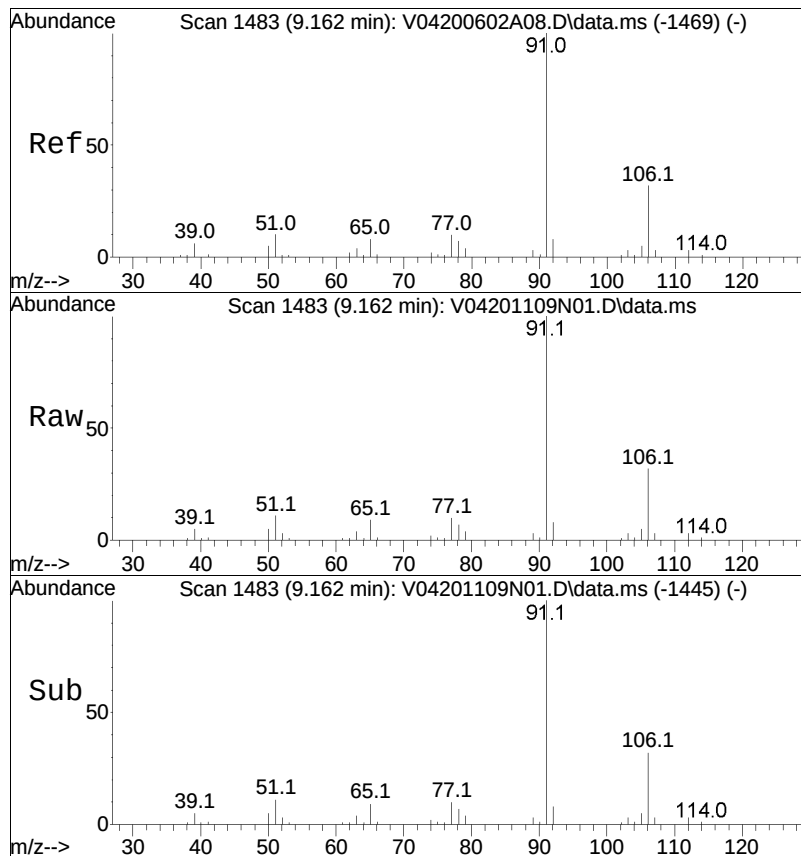




#73
 Chlorobenzene
 Concen: 35.13 ug/L
 RT: 9.126 min Scan# 1476
 Delta R.T. -0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

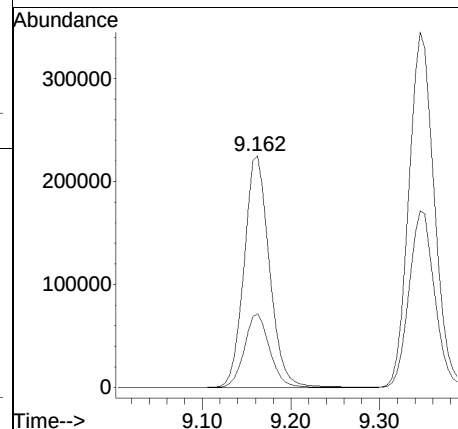
Tgt Ion	Ratio	Lower	Upper
112	100		
77	68.9	55.3	82.9
114	32.1	25.5	38.3

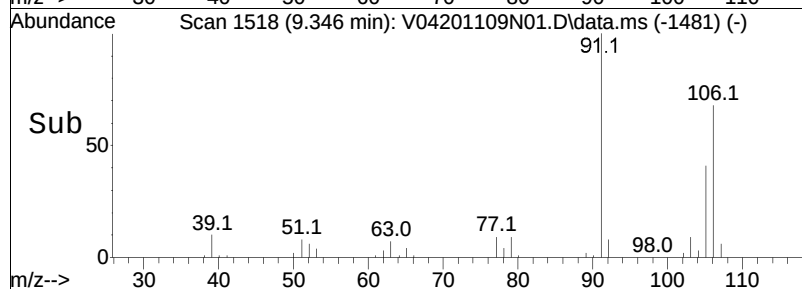
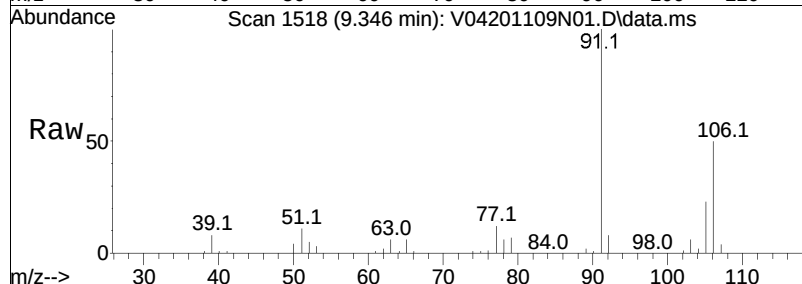
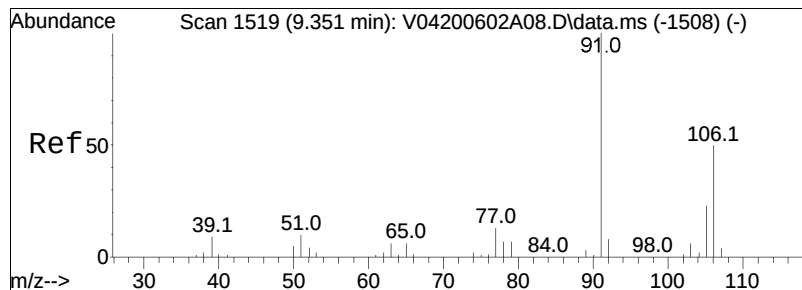




#74
 Ethylbenzene
 Concen: 39.26 ug/L
 RT: 9.162 min Scan# 1483
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.4	38.2





#76

p/m Xylene

Concen: 76.57 ug/L

RT: 9.346 min Scan# 1518

Delta R.T. -0.005 min

Lab File: V04201109N01.D

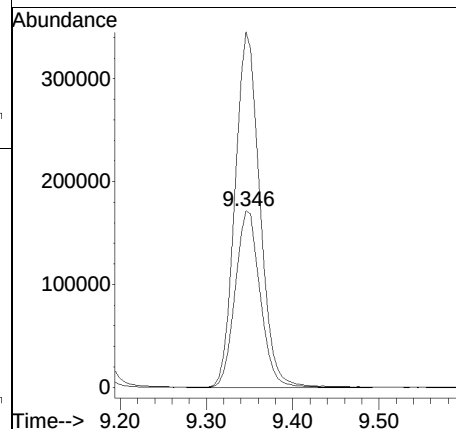
Acq: 9 Nov 2020 6:31 pm

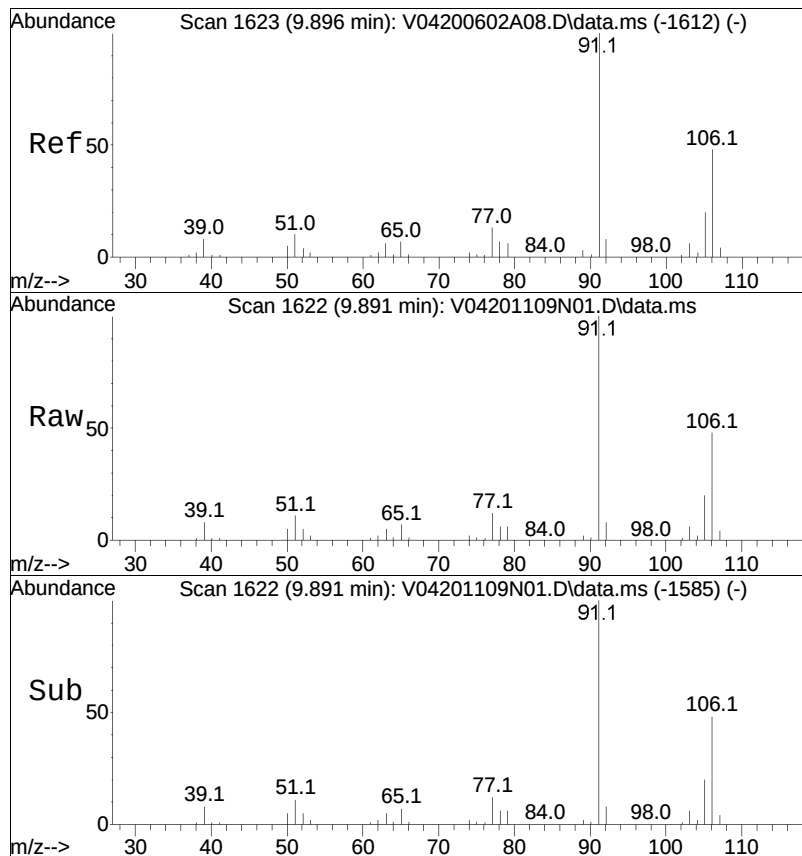
Tgt Ion:106 Resp: 345358

Ion Ratio Lower Upper

106 100

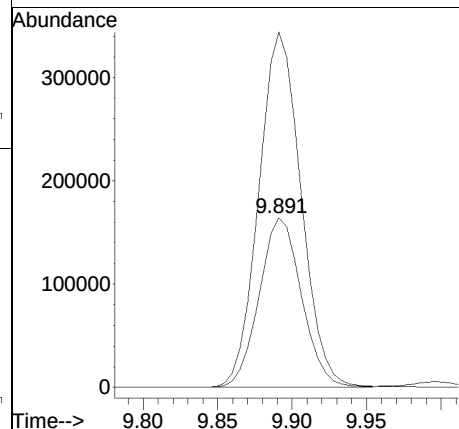
91 199.0 157.1 235.7

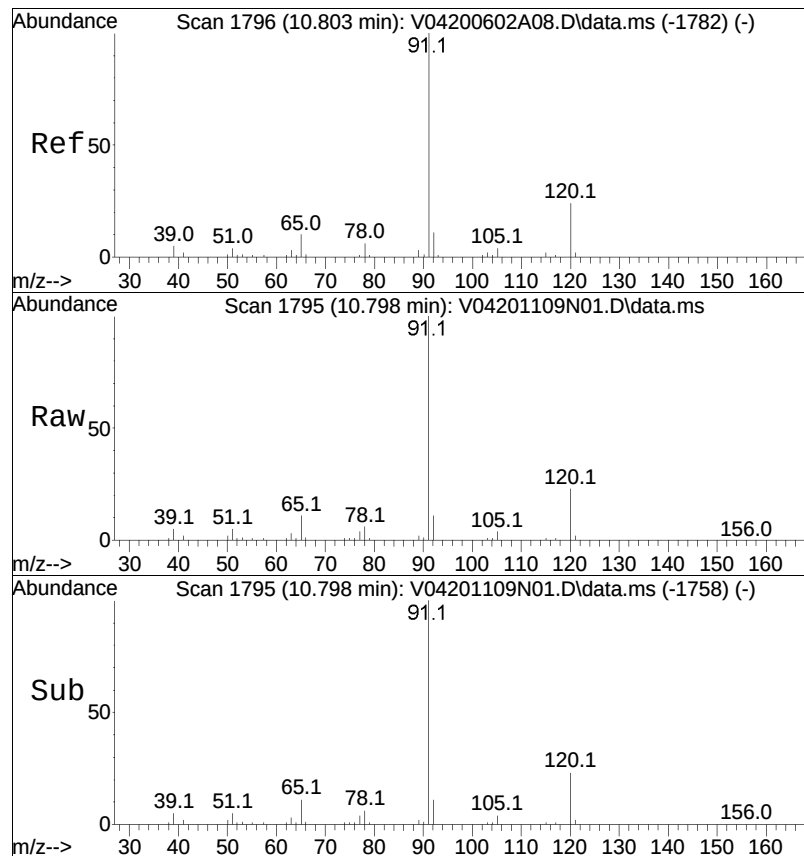




#77
 o Xylene
 Concen: 71.95 ug/L
 RT: 9.891 min Scan# 1622
 Delta R.T. -0.005 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

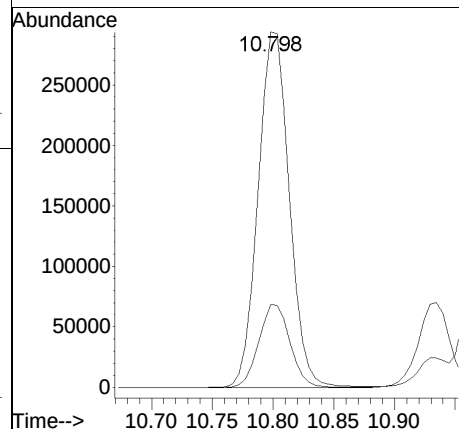
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	209.2	165.9	248.9	

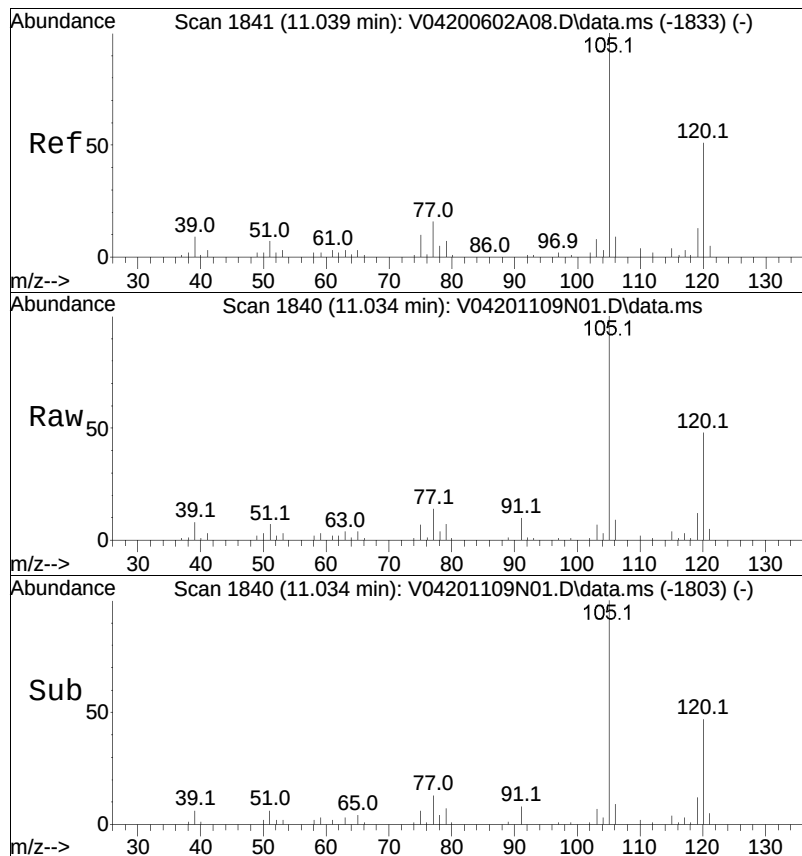




#85
 n-Propylbenzene
 Concen: 39.90 ug/L
 RT: 10.798 min Scan# 1795
 Delta R.T. -0.005 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

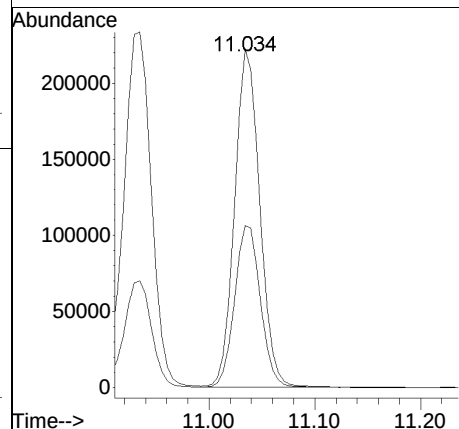
Tgt	Ion	Resp	Lower	Upper
91	100	525128		
120	23.2	18.9	28.3	

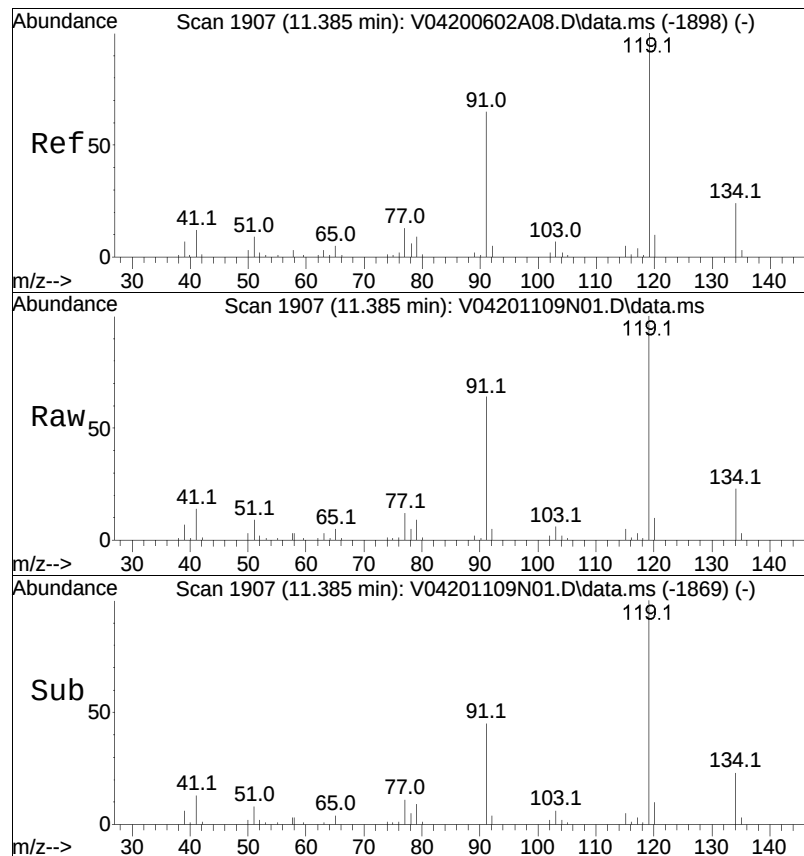




#90
 1,3,5-Trimethylbenzene
 Concen: 38.72 ug/L
 RT: 11.034 min Scan# 1840
 Delta R.T. -0.005 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

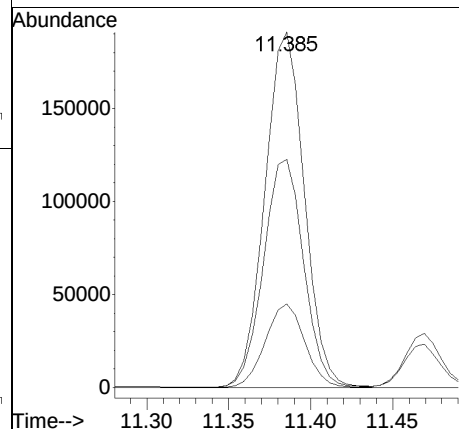
Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	38.4	57.6

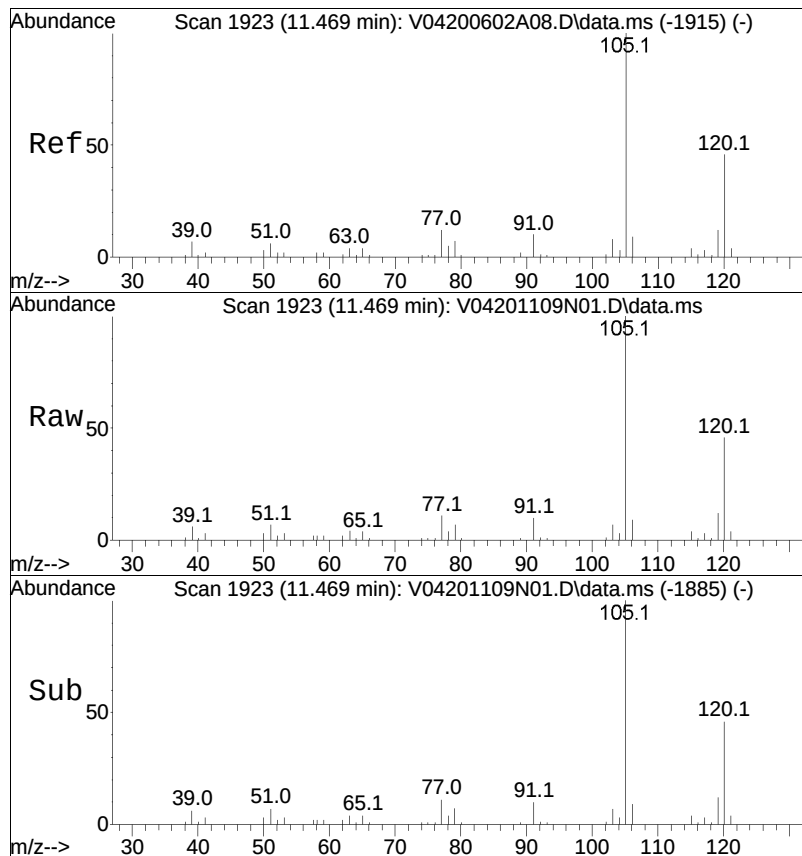




#94
 tert-Butylbenzene
 Concen: 39.88 ug/L
 RT: 11.385 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

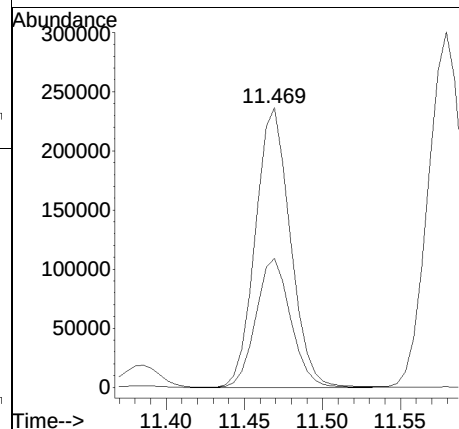
Tgt	Ion	Ratio	Resp	Lower	Upper
119	100		319974		
91	65.0	53.0		79.6	
134	23.4	19.6		29.4	

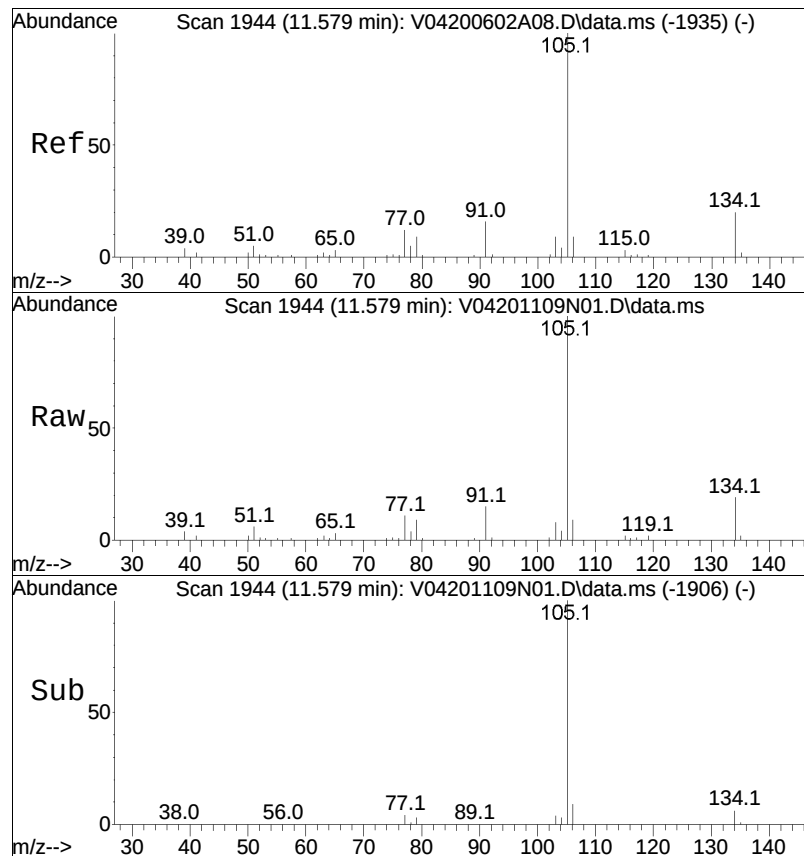




#97
 1,2,4-Trimethylbenzene
 Concen: 39.07 ug/L
 RT: 11.469 min Scan# 1923
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

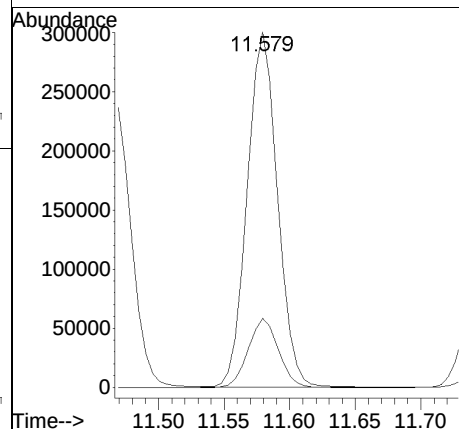
Tgt Ion	105	120	Ratio	Lower	Upper
Resp	368098				
105	100				
120	45.8		36.4	54.6	

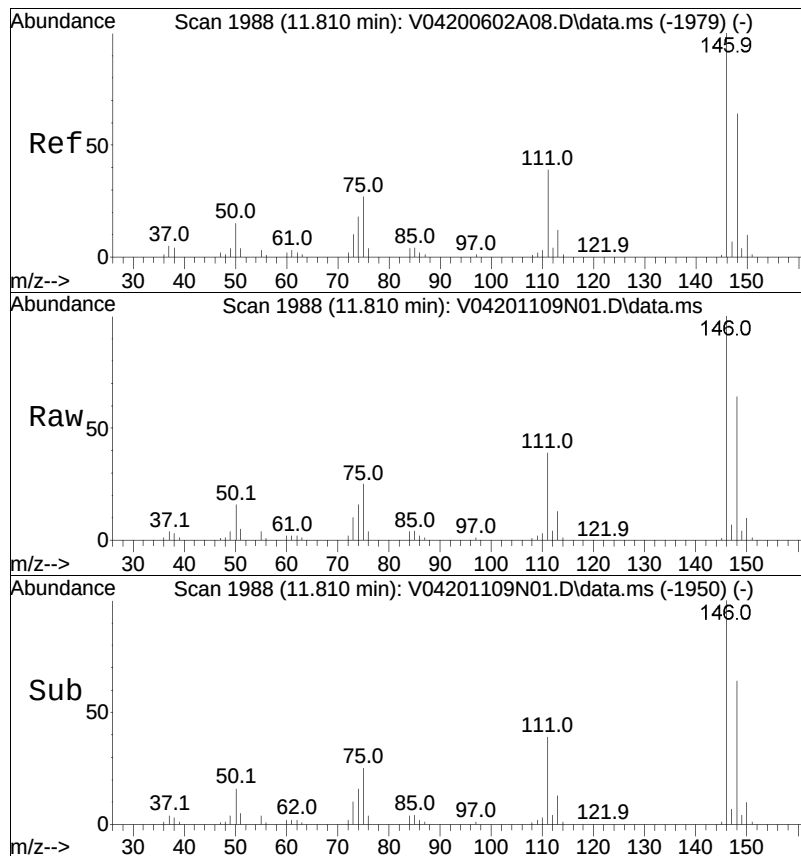




#98
 sec-Butylbenzene
 Concen: 40.98 ug/L
 RT: 11.579 min Scan# 1944
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

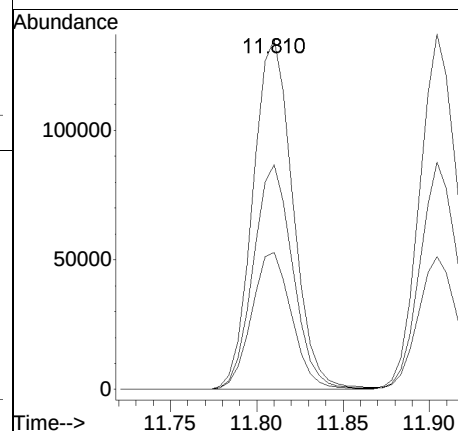
Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.3	12.9	26.9

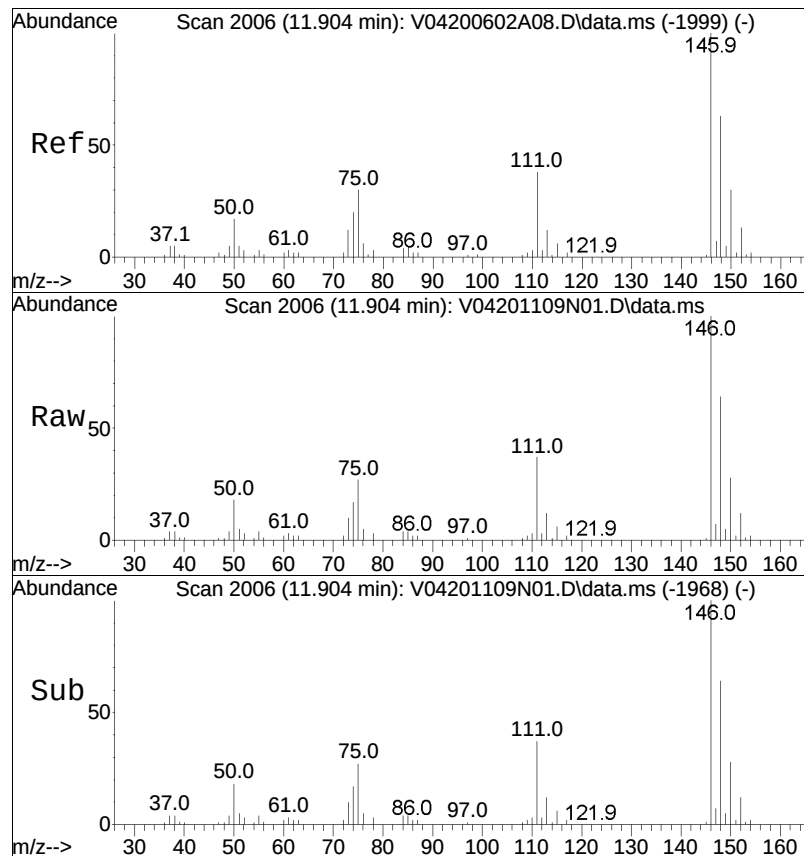




#100
 1,3-Dichlorobenzene
 Concen: 37.76 ug/L
 RT: 11.810 min Scan# 1988
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

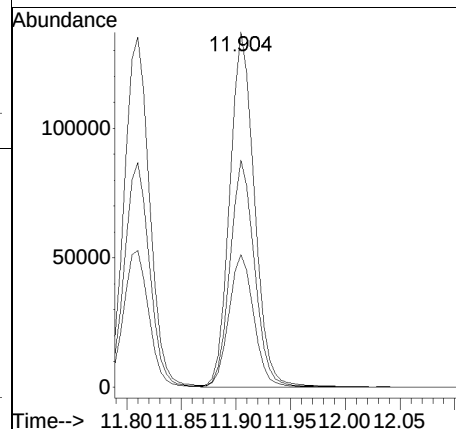
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	24.8	51.6
148	63.5	41.6	86.4

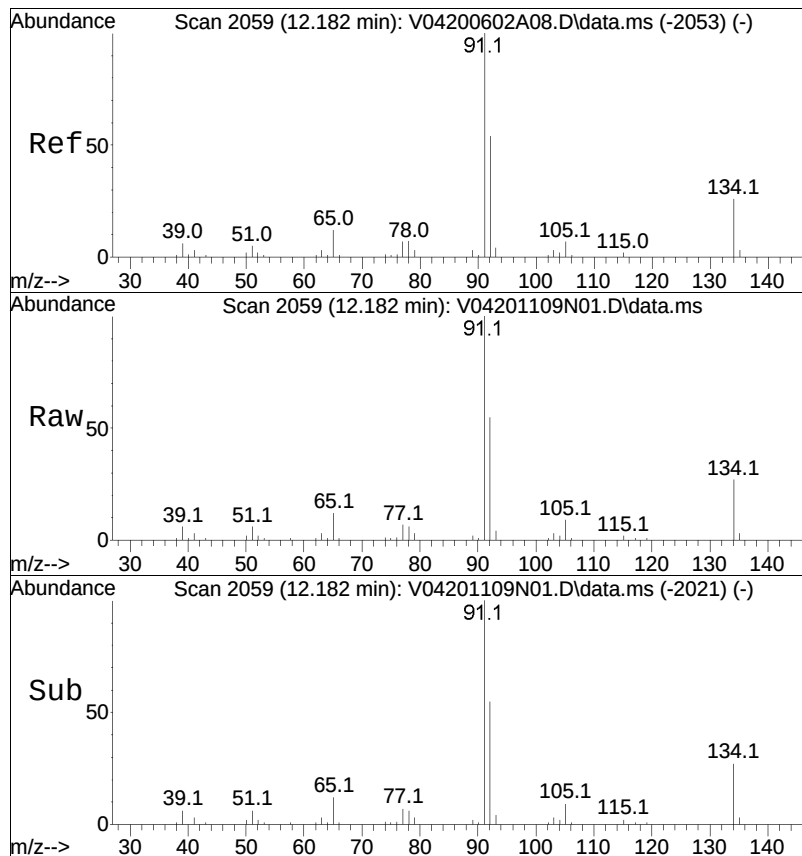




#101
 1,4-Dichlorobenzene
 Concen: 36.82 ug/L
 RT: 11.904 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

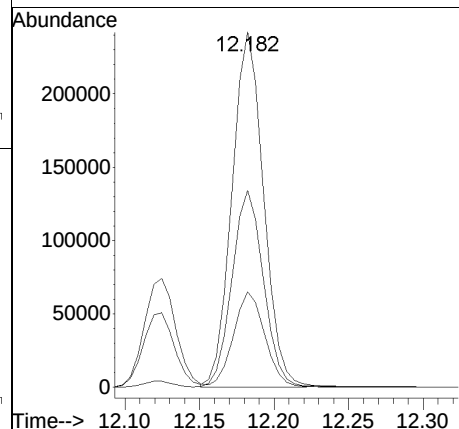
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	30.2	45.2
148	64.1	50.6	76.0

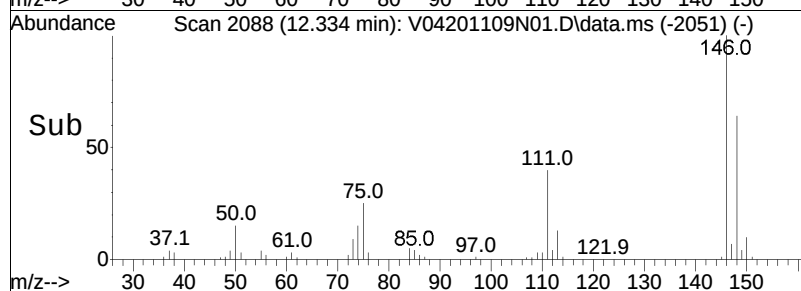
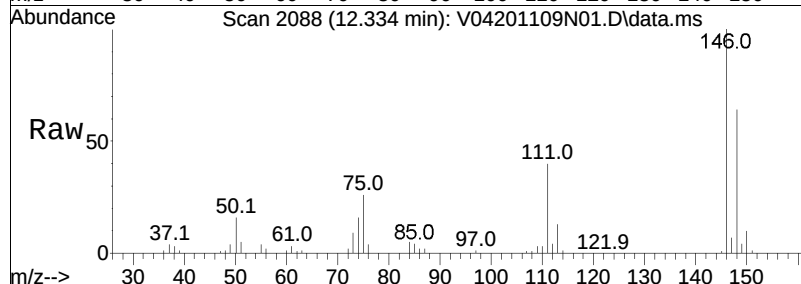
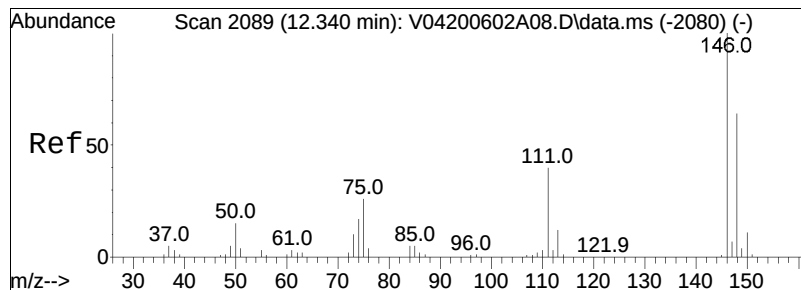




#103
 n-Butylbenzene
 Concen: 39.19 ug/L
 RT: 12.182 min Scan# 2059
 Delta R.T. 0.000 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

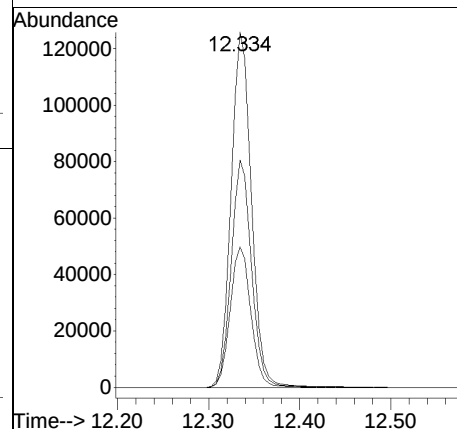
Tgt Ion:	91	Resp:	356265
Ion Ratio	Lower	Upper	
91	100		
92	55.8	43.4	65.2
134	26.7	21.5	32.3





#104
 1,2-Dichlorobenzene
 Concen: 37.60 ug/L
 RT: 12.334 min Scan# 2088
 Delta R.T. -0.006 min
 Lab File: V04201109N01.D
 Acq: 9 Nov 2020 6:31 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	25.5	52.9
148	63.8	40.8	84.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\20	Method	: V104_200602B_8260.m
Data File	: V04201109N01.D	Operator	: VOA104:AD
Date Inj'd	: 11/9/2020 6:31 pm	Instrument	: VOA 104
Sample	: WG1432466-3,31,5,5	Quant Date	: 11/9/2020 6:51 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-3,31,5,5
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.530	96	649332	20.000	ug/L	0.00
Standard Area 1 = 649332			Recovery	=	100.00%	
63) Chlorobenzene-d5	18.231	117	479872	20.000	ug/L	0.00
Standard Area 1 = 479872			Recovery	=	100.00%	
88) 1,4-Dichlorobenzene-d4	23.887	152	248168	20.000	ug/L	0.00
Standard Area 1 = 248168			Recovery	=	100.00%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.899	113	158267	18.599	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	93.00%	
47) 1,2-Dichloroethane-d4	10.897	65	145055	19.856	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	99.28%	
65) Toluene-d8	14.868	98	625736	20.530	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	102.65%	
92) 4-Bromofluorobenzene	21.065	95	220993	20.039	ug/L	0.00
Spiked Amount 20.000	Range 70	- 130	Recovery	=	100.20%	
Target Compounds						
						Qvalue
5) Vinyl chloride	3.228	62	261539	33.895	ug/L	98
11) 1,1-Dichloroethene	5.660	96	210902	35.195	ug/L	86
17) Methylene chloride	6.580	84	248612	34.515	ug/L	82
19) Acetone	5.479	43	43384	40.720	ug/L	94
20) trans-1,2-Dichloroethene	7.141	96	246342	34.584	ug/L	89
23) Methyl tert-butyl ether	6.873	73	559179	34.713	ug/L	89
26) 1,1-Dichloroethane	7.969	63	380912	34.931	ug/L	97
31) cis-1,2-Dichloroethene	9.157	96	271020	33.873	ug/L	86
35) Chloroform	9.464	83	434405	33.696	ug/L	97
37) Carbon tetrachloride	10.744	117	350048	34.554	ug/L	100
40) 1,1,1-Trichloroethane	10.242	97	384859	34.466	ug/L	96
42) 2-Butanone	8.819	43	62924	38.464	ug/L	# 84
45) Benzene	11.095	78	974121	34.919	ug/L	93
48) 1,2-Dichloroethane	11.087	62	276191	33.603	ug/L	98
52) Trichloroethene	12.339	95	262875	34.454	ug/L	99
61) 1,4-Dioxane	13.270	88	111984	1842.330	ug/L	# 85
66) Toluene	15.038	92	644025	37.036	ug/L	97
68) Tetrachloroethene	16.460	166	296304	35.590	ug/L	99
82) Chlorobenzene	18.320	112	717656	35.730	ug/L	98
83) Ethylbenzene	18.446	91	1241052	37.177	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A01.D
 Acq On : 11 Nov 2020 10:51 am
 Operator : VOA126:MV
 Sample : WG1433193-3,31,5,5
 Misc : WG1433193,ICAL17233
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
85)	p/m Xylene	18.622	106	988311	74.242	ug/L	91
86)	o Xylene	19.631	106	911747	73.529	ug/L	89
95)	n-Propylbenzene	21.427	91	1509003	38.967	ug/L	97
100)	1,3,5-Trimethylbenzene	21.812	105	1053466	37.462	ug/L	97
104)	tert-Butylbenzene	22.654	119	908101	37.768	ug/L	99
107)	1,2,4-Trimethylbenzene	22.743	105	1030071	37.593	ug/L	98
109)	sec-Butylbenzene	23.167	105	1381390	38.774	ug/L	98
111)	1,3-Dichlorobenzene	23.703	146	623429	37.690	ug/L	99
112)	1,4-Dichlorobenzene	23.959	146	615653	37.629	ug/L	99
116)	n-Butylbenzene	24.478	91	1331167	38.696	ug/L	97
118)	1,2-Dichlorobenzene	24.815	146	558310	37.051	ug/L	99

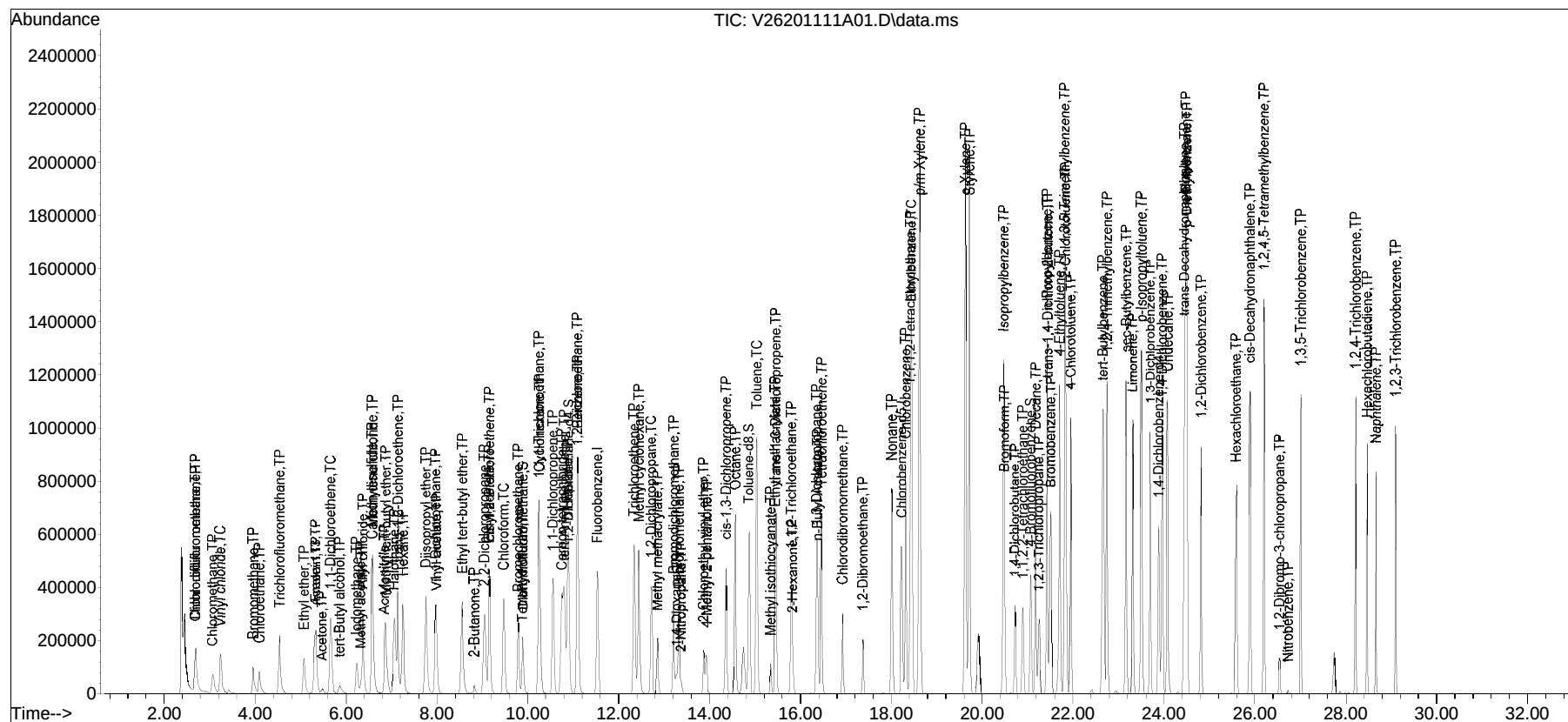
(#) = qualifier out of range (m) = manual integration (+) = signals summed

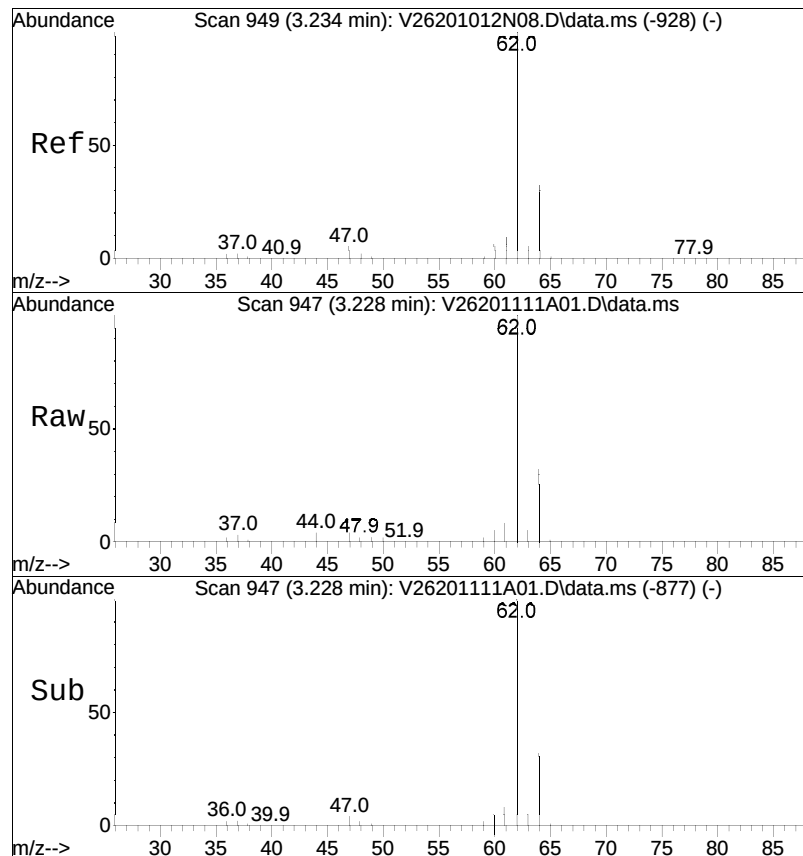
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
Data File : V26201111A01.D
Acq On : 11 Nov 2020 10:51 am
Operator : VOA126:MV
Sample : WG1433193-3,31,5,5
Misc : WG1433193,ICAL17233
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 11 12:19:33 2020
Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 17:03:21 2020
Response via : Initial Calibration

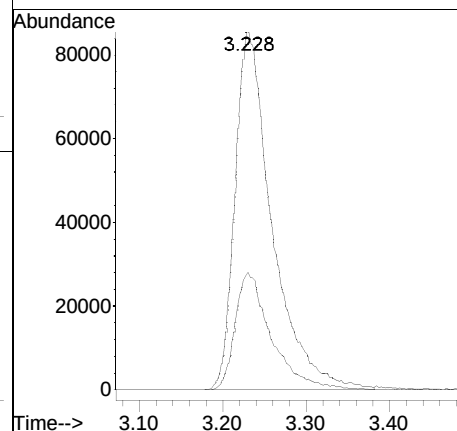
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01111A01.D•

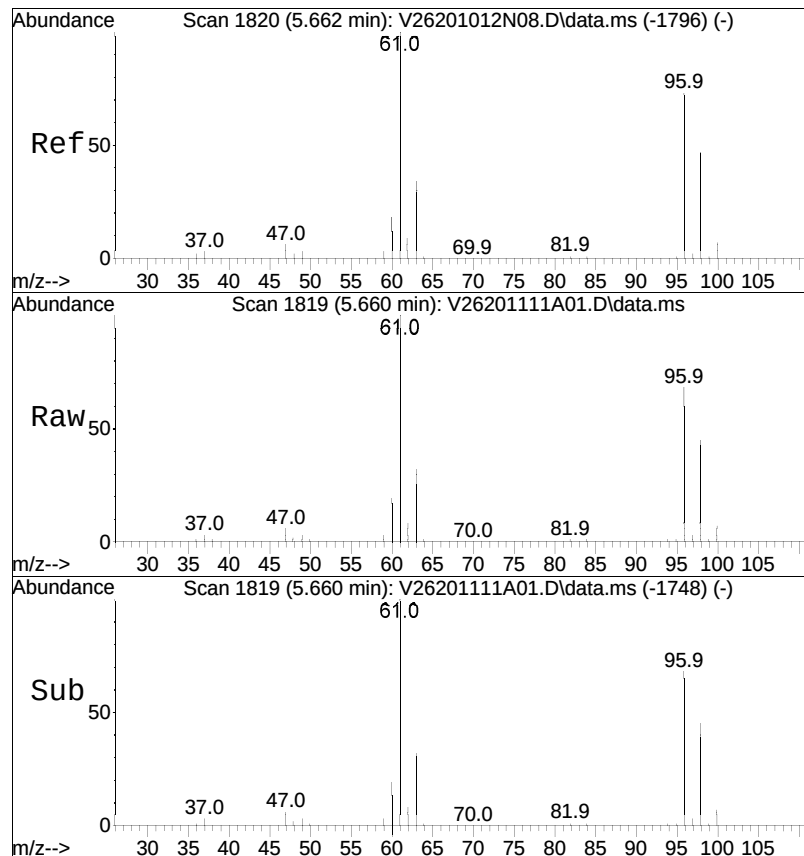




#5
 Vinyl chloride
 Concen: 33.89 ug/L
 RT: 3.228 min Scan# 947
 Delta R.T. -0.006 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

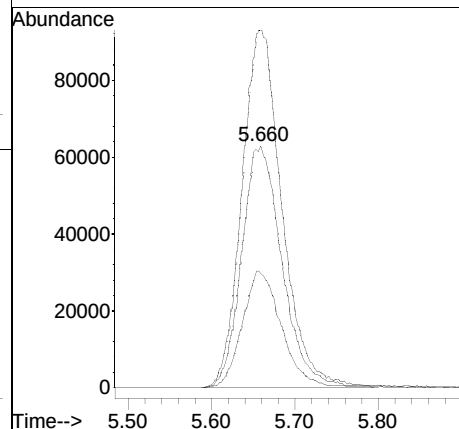
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	11.3	51.3

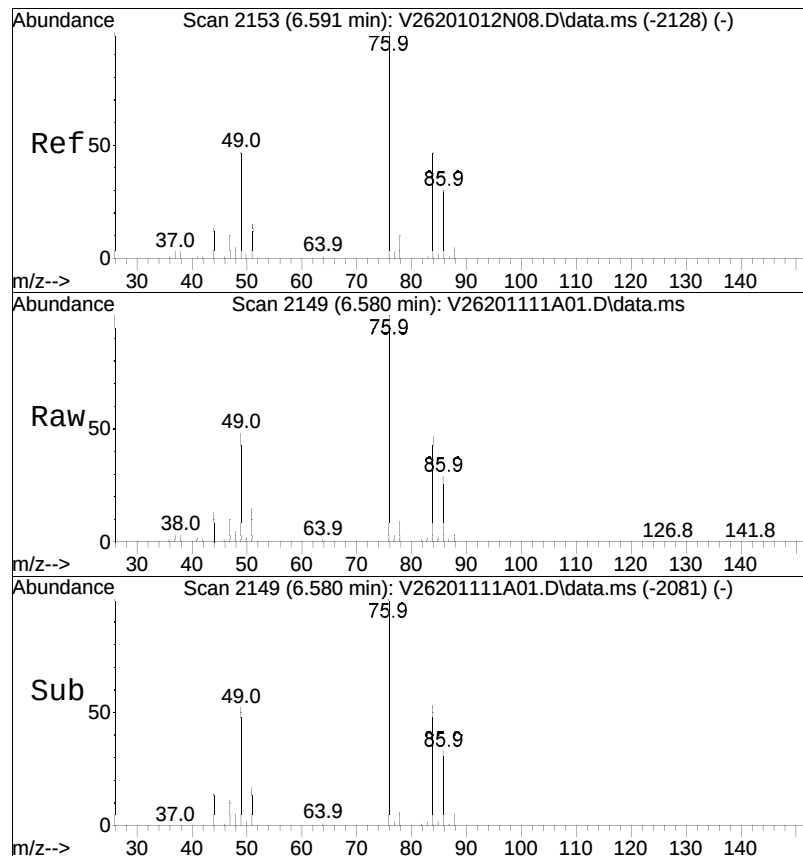




#11
 1,1-Dichloroethene
 Concen: 35.20 ug/L
 RT: 5.660 min Scan# 1819
 Delta R.T. -0.002 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

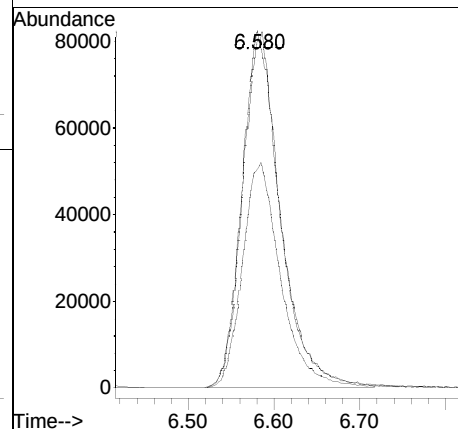
Tgt Ion:	96	Resp:	210902
Ion Ratio	Lower	Upper	
96	100		
61	146.8	133.8	200.8
63	47.0	42.6	63.8

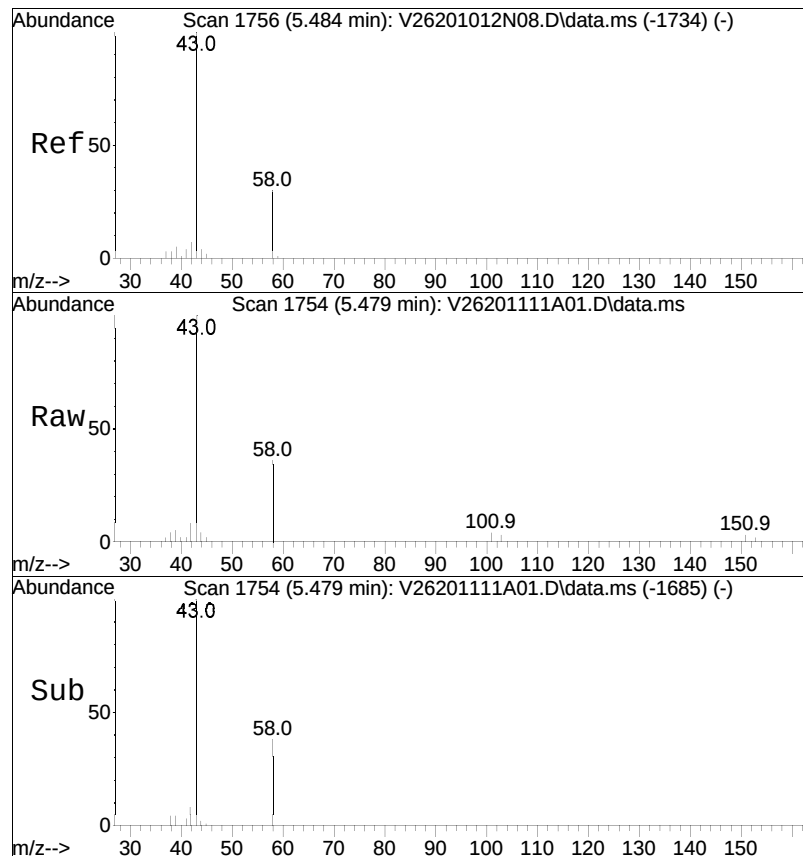




#17
Methylene chloride
Concen: 34.52 ug/L
RT: 6.580 min Scan# 2149
Delta R.T. -0.011 min
Lab File: V26201111A01.D
Acq: 11 Nov 2020 10:51 am

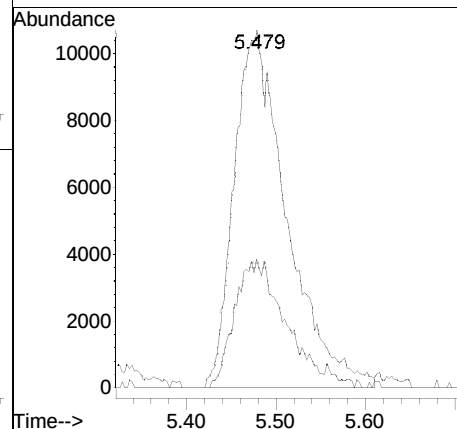
Tgt Ion:	84	Resp:	248612
Ion Ratio	Lower	Upper	
84	100		
86	64.9	41.9	87.1
49	103.8	88.1	183.1

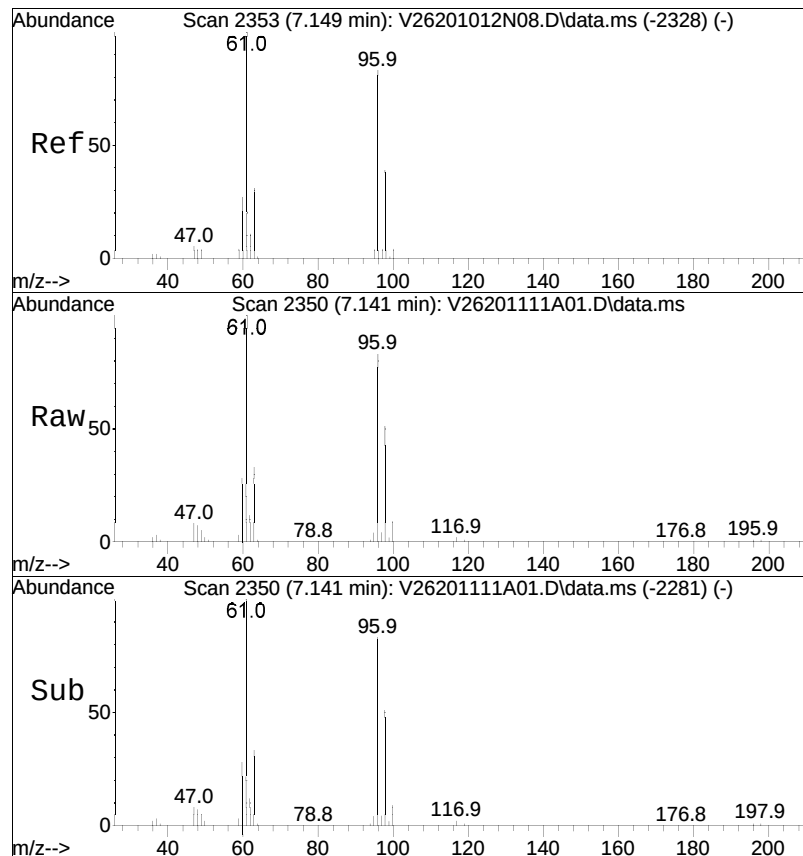




#19
 Acetone
 Concen: 40.72 ug/L
 RT: 5.479 min Scan# 1754
 Delta R.T. -0.005 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

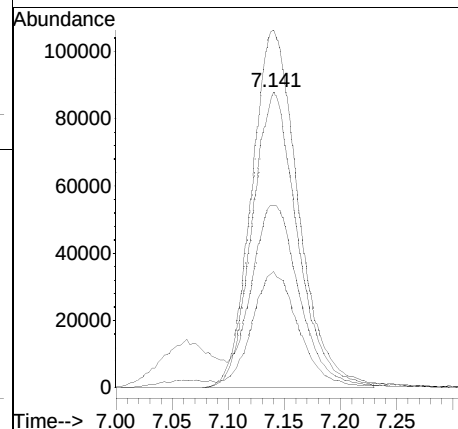
Tgt Ion: 43 Resp: 43384
 Ion Ratio Lower Upper
 43 100
 58 34.0 24.6 37.0

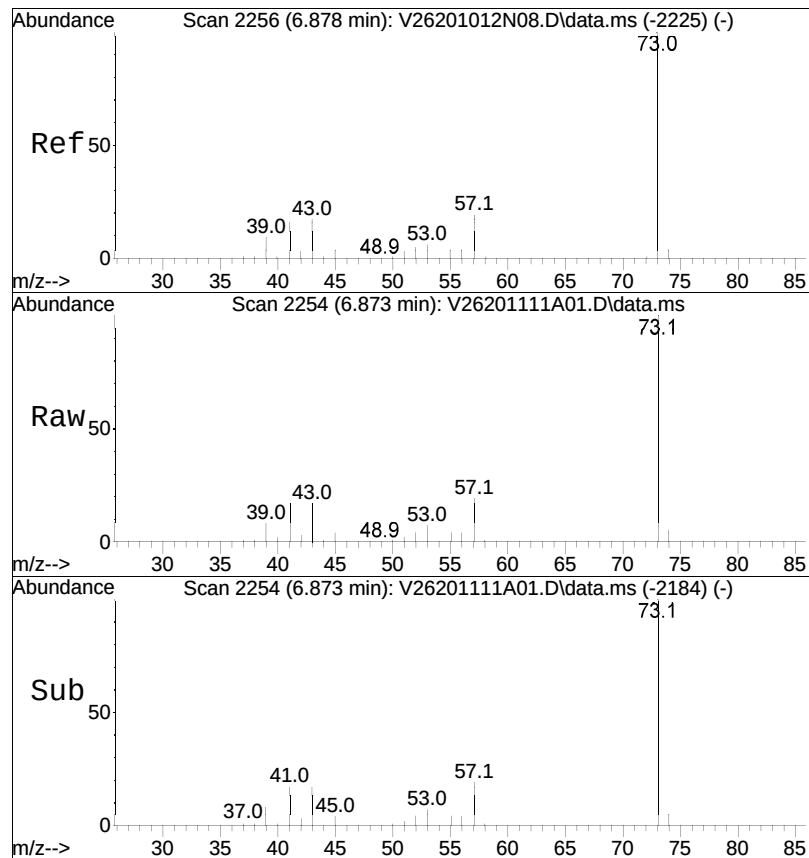




#20
 trans-1,2-Dichloroethene
 Concen: 34.58 ug/L
 RT: 7.141 min Scan# 2350
 Delta R.T. -0.008 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

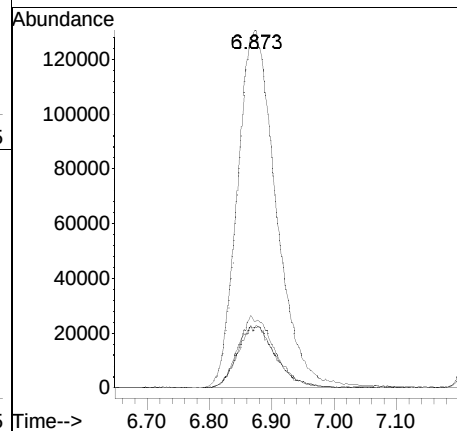
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	246342		
61	124.6		94.1	195.5
98	64.7		42.4	88.0
63	40.1		30.4	63.0

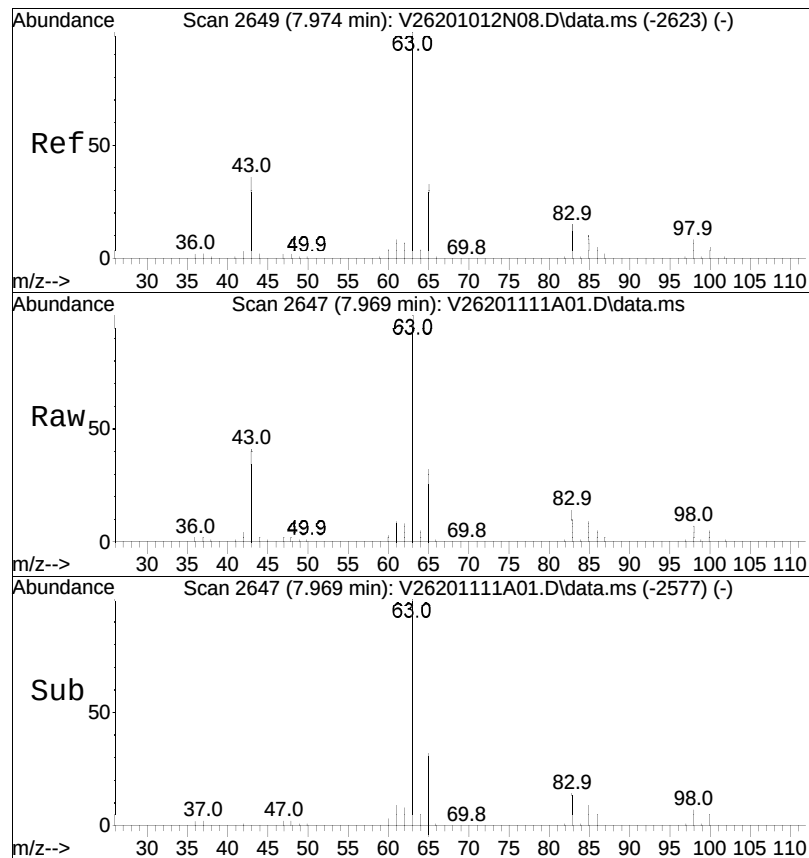




#23
Methyl tert-butyl ether
Concen: 34.71 ug/L
RT: 6.873 min Scan# 2254
Delta R.T. -0.005 min
Lab File: V26201111A01.D
Acq: 11 Nov 2020 10:51 am

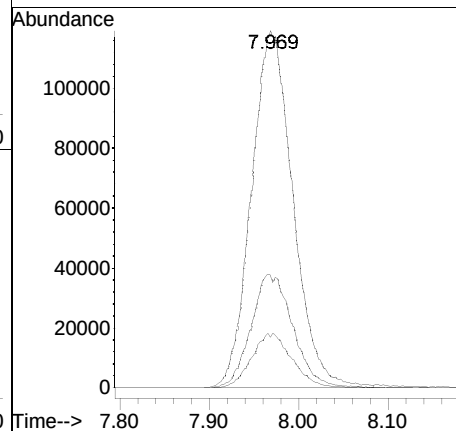
Tgt Ion:	73	Resp:	559179
Ion Ratio	Lower	Upper	
73	100		
57	19.5	15.8	32.8
43	17.0	14.7	30.5
41	17.1	14.8	30.8

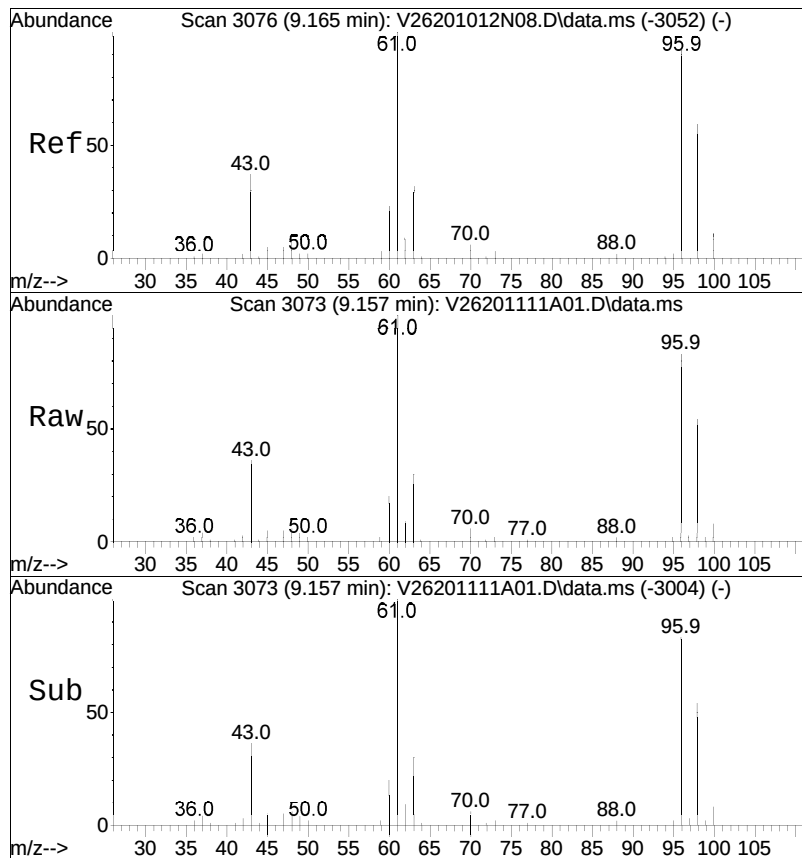




#26
 1,1-Dichloroethane
 Concen: 34.93 ug/L
 RT: 7.969 min Scan# 2647
 Delta R.T. -0.005 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

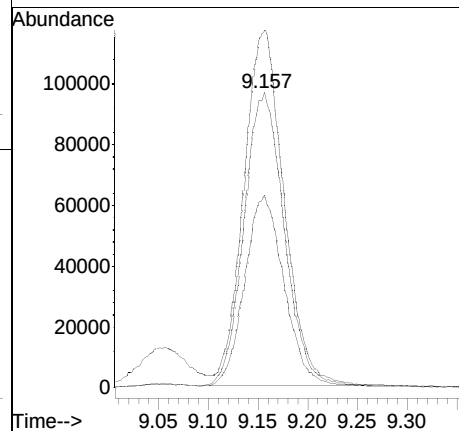
Tgt Ion:	63	Resp:	380912
Ion Ratio	Lower	Upper	
63	100		
65	32.2	11.3	51.3
83	14.9	0.0	33.1

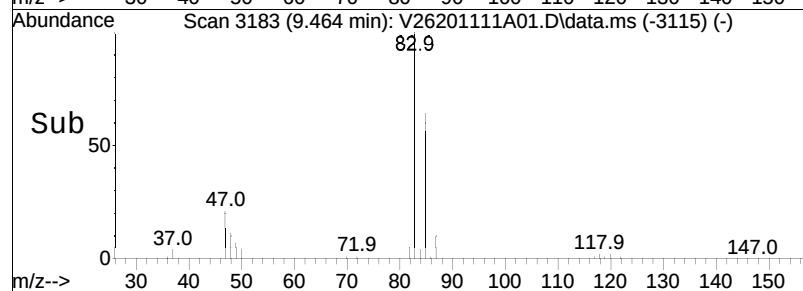
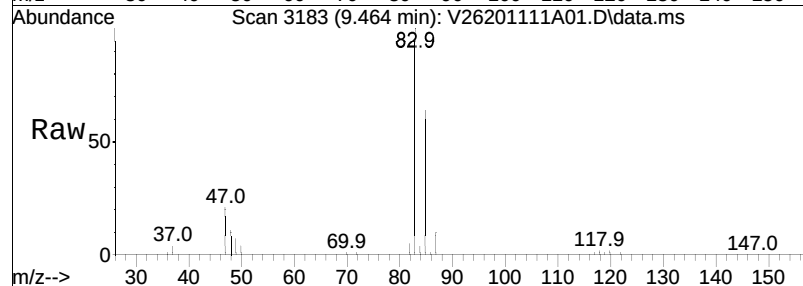
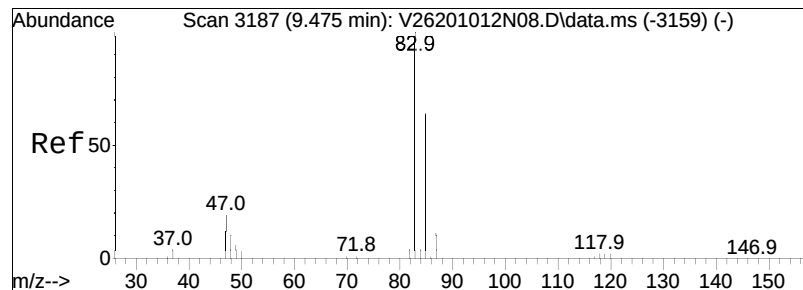




#31
 cis-1,2-Dichloroethene
 Concen: 33.87 ug/L
 RT: 9.157 min Scan# 3073
 Delta R.T. -0.008 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

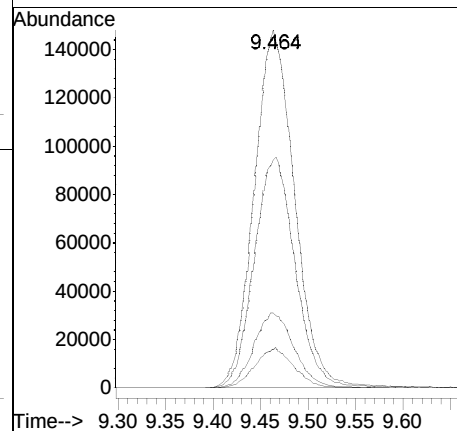
Tgt Ion:	96	Resp:	271020
Ion Ratio	Lower	Upper	
96	100		
61	122.2	117.3	175.9
98	64.1	51.4	77.0

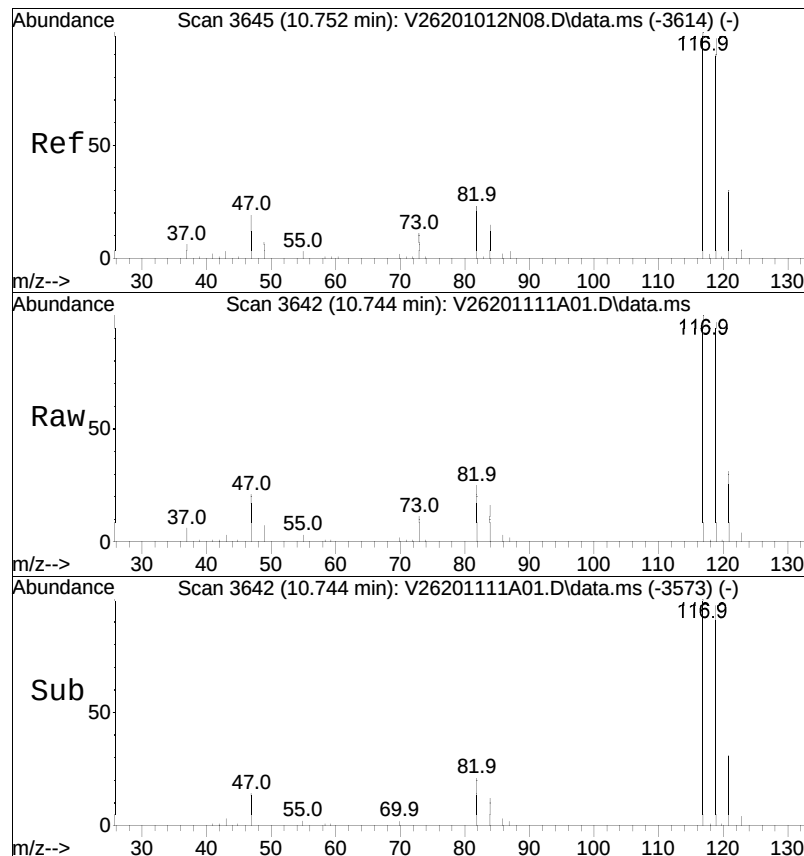




#35
 Chloroform
 Concen: 33.70 ug/L
 RT: 9.464 min Scan# 3183
 Delta R.T. -0.011 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

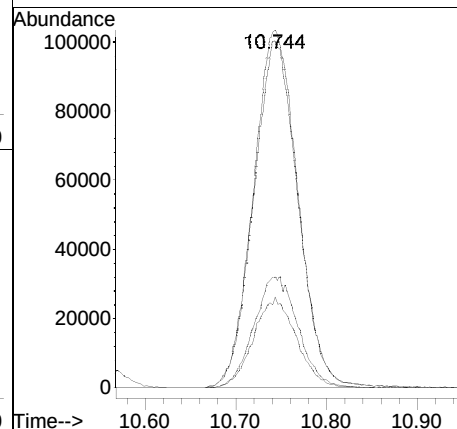
Tgt	Ion: 83	Resp:	434405
Ion	Ratio	Lower	Upper
83	100		
85	65.1	42.3	87.9
47	21.0	17.3	35.9
48	10.9	8.3	17.3

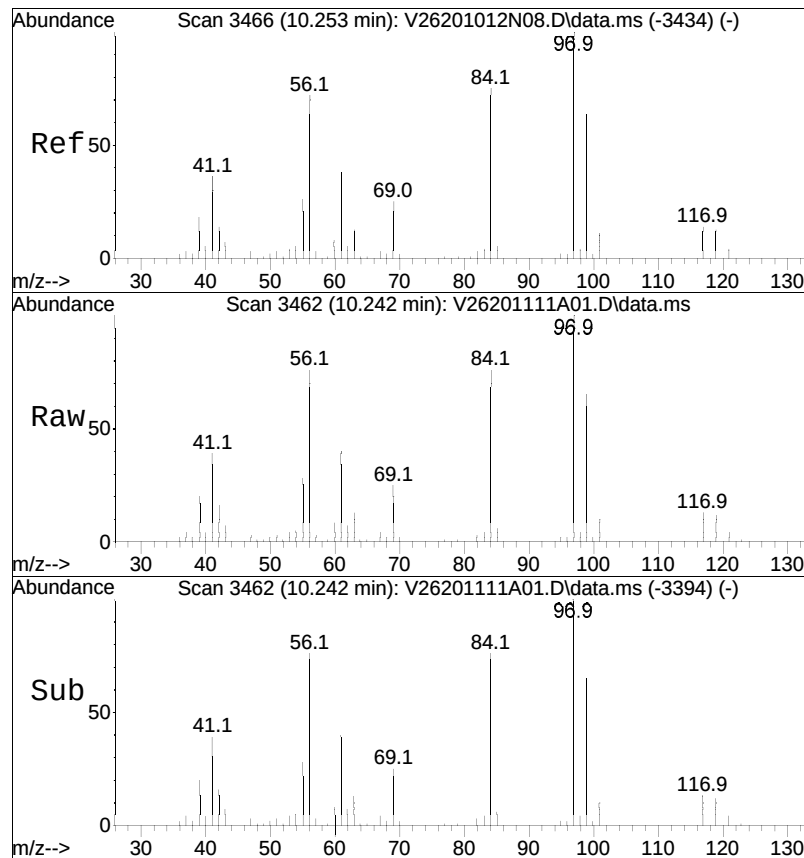




#37
Carbon tetrachloride
Concen: 34.55 ug/L
RT: 10.744 min Scan# 3642
Delta R.T. -0.008 min
Lab File: V26201111A01.D
Acq: 11 Nov 2020 10:51 am

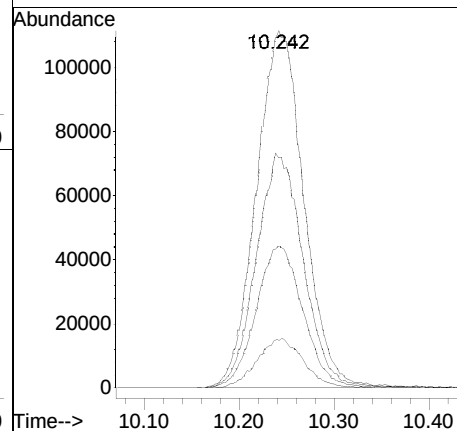
Tgt	Ion:117	Resp:	350048
Ion	Ratio	Lower	Upper
117	100		
119	96.2	62.5	129.9
121	31.0	20.3	42.1
82	24.5	15.5	32.1

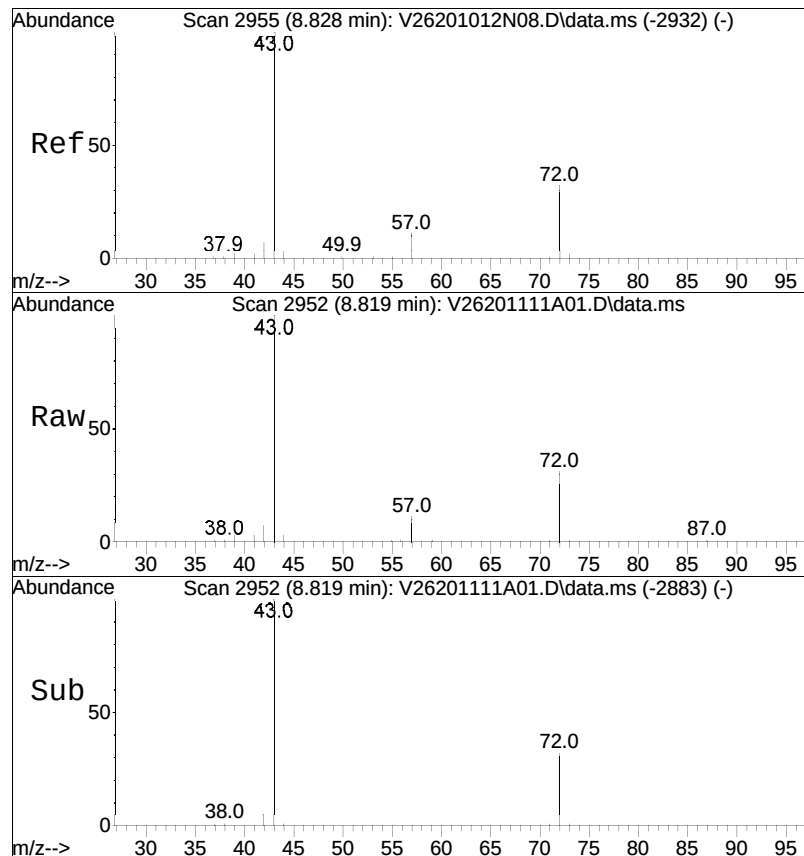




#40
 1,1,1-Trichloroethane
 Concen: 34.47 ug/L
 RT: 10.242 min Scan# 3462
 Delta R.T. -0.011 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

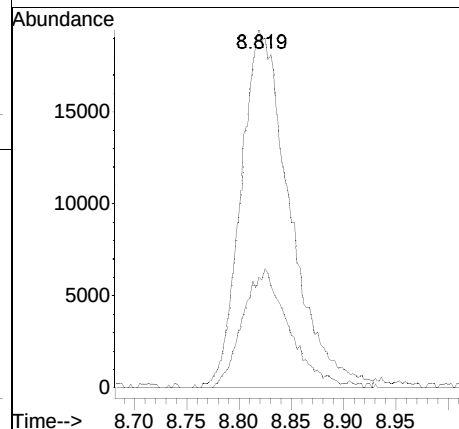
Tgt Ion:	97	Resp:	384859
Ion Ratio	Lower	Upper	
97	100		
99	65.2	41.9	86.9
61	39.5	29.7	61.7
63	13.5	9.9	20.5

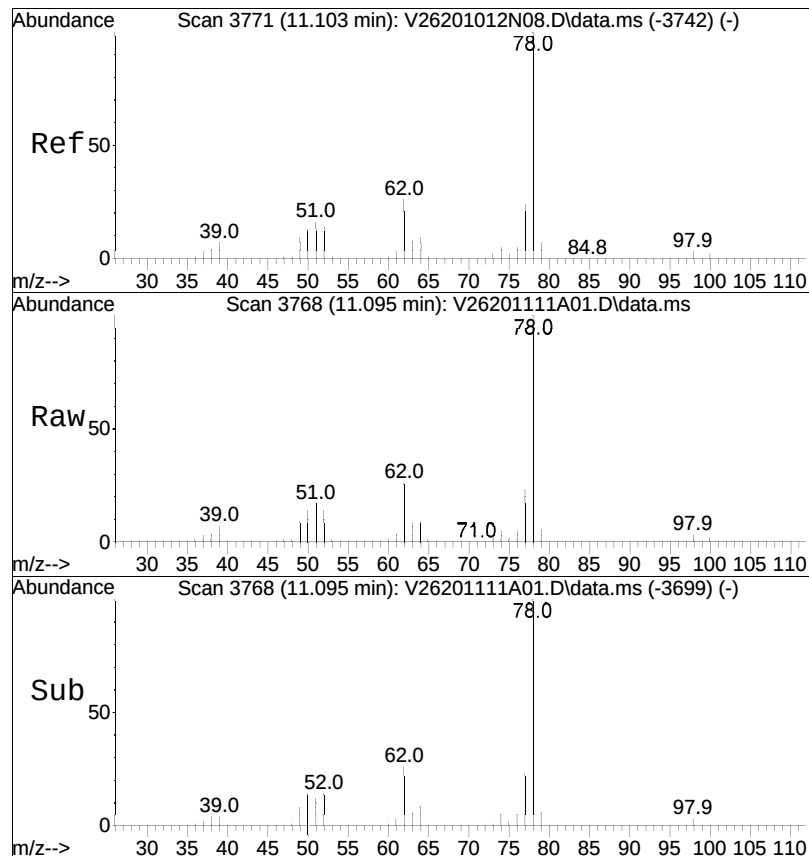




#42
 2-Butanone
 Concen: 38.46 ug/L
 RT: 8.819 min Scan# 2952
 Delta R.T. -0.009 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

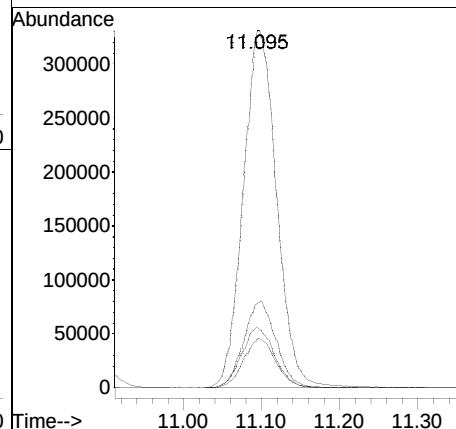
Tgt Ion: 43 Resp: 62924
 Ion Ratio Lower Upper
 43 100
 72 31.2 18.7 28.1#

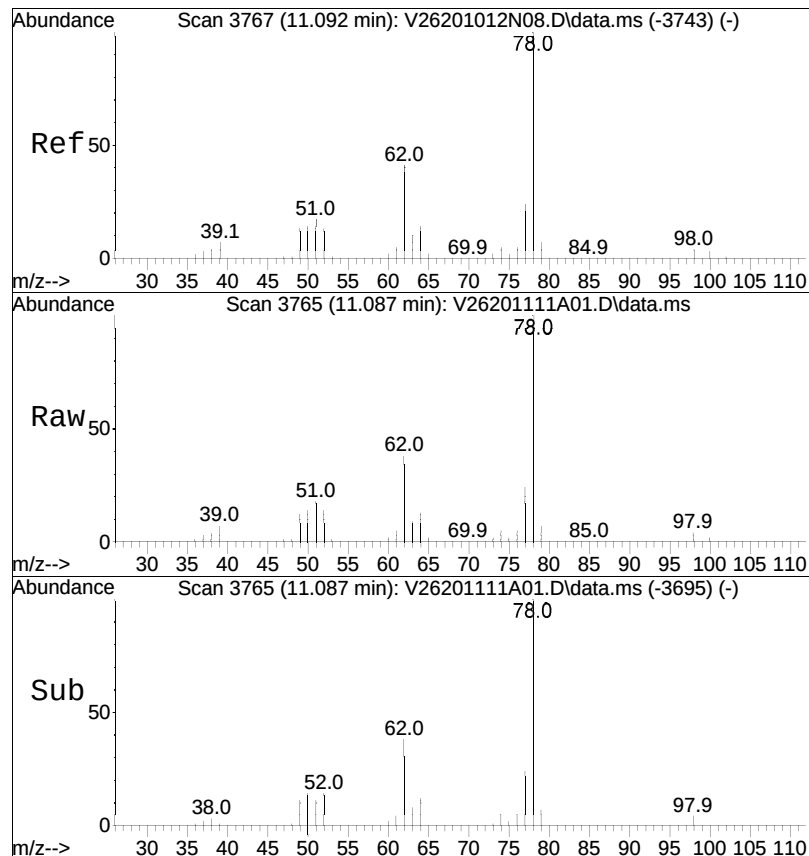




#45
Benzene
Concen: 34.92 ug/L
RT: 11.095 min Scan# 3768
Delta R.T. -0.008 min
Lab File: V26201111A01.D
Acq: 11 Nov 2020 10:51 am

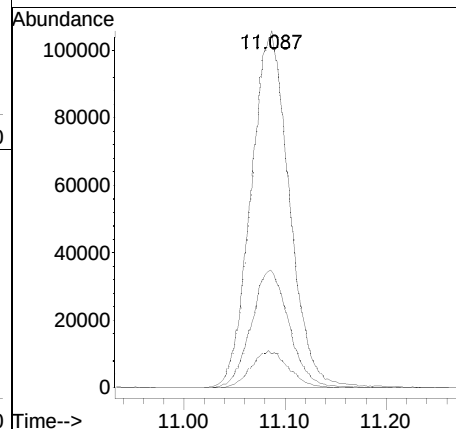
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.6	32.4
51	16.8	14.3	29.7
52	13.4	11.9	24.7

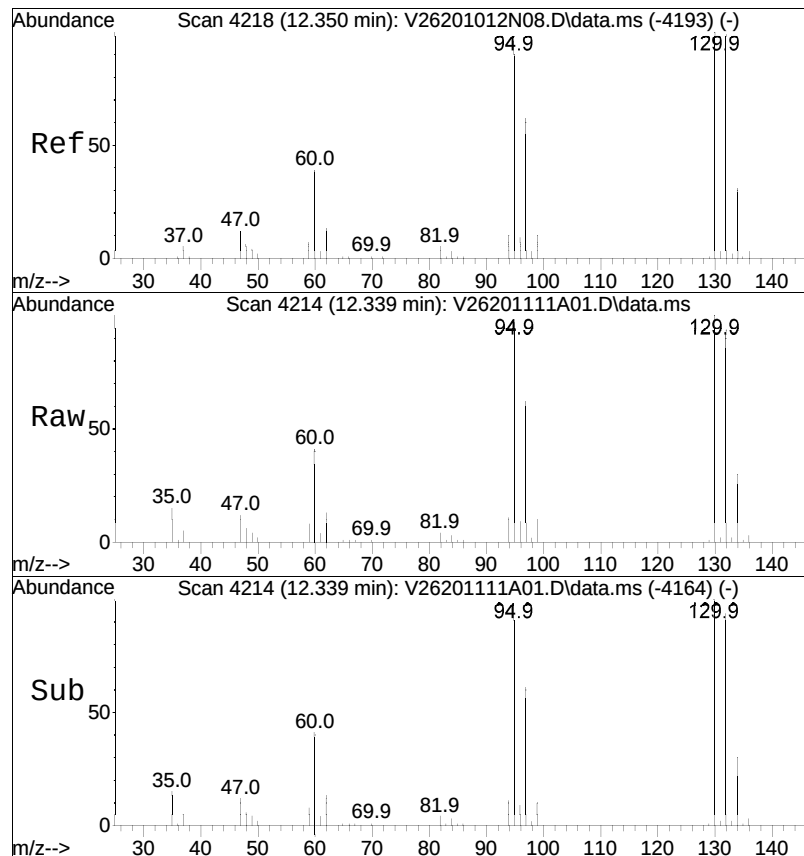




#48
 1,2-Dichloroethane
 Concen: 33.60 ug/L
 RT: 11.087 min Scan# 3765
 Delta R.T. -0.005 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

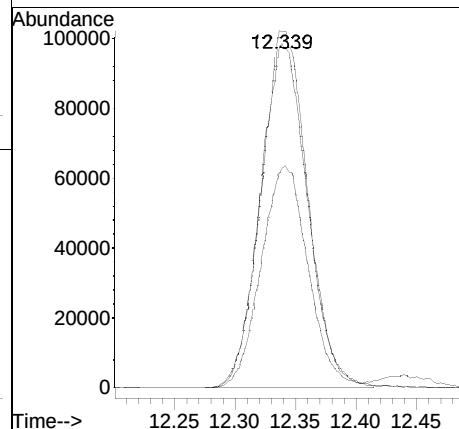
Tgt	Ion	Ratio	Lower	Upper
62	100			
64	32.7	12.0	52.0	
98	10.3	0.0	29.3	

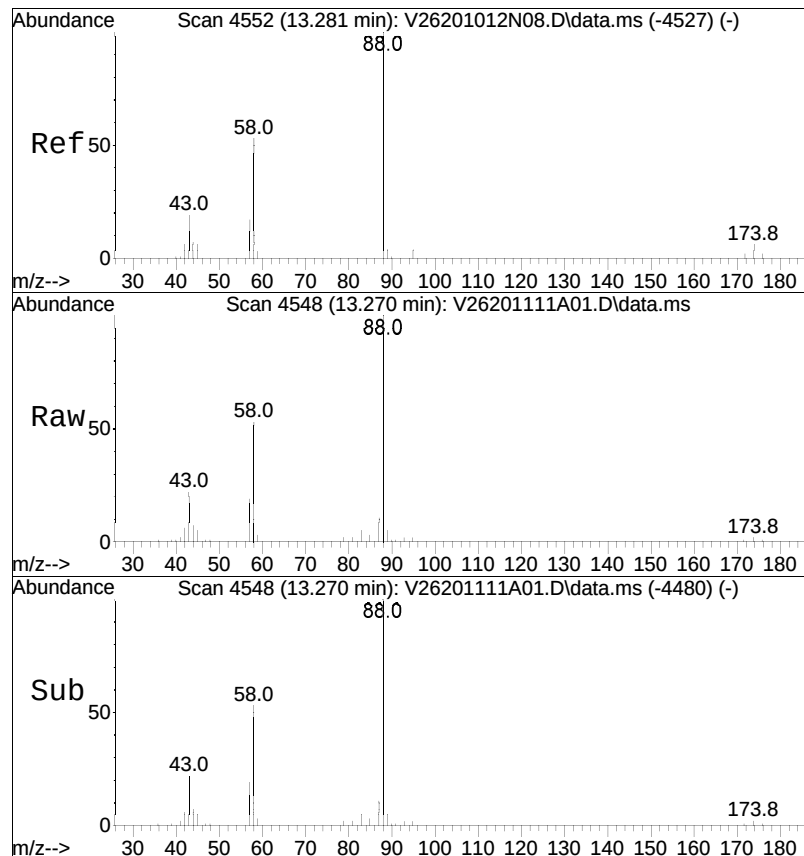




#52
 Trichloroethene
 Concen: 34.45 ug/L
 RT: 12.339 min Scan# 4214
 Delta R.T. -0.011 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

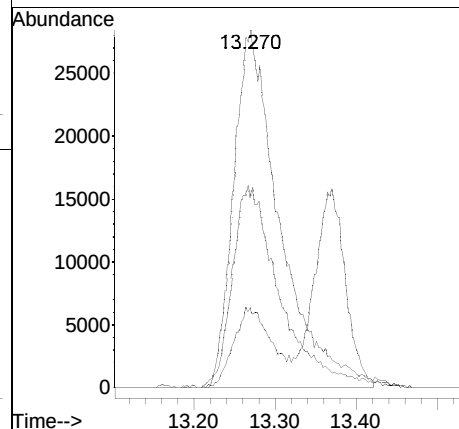
Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.8	51.3	76.9
130	104.6	84.5	126.7

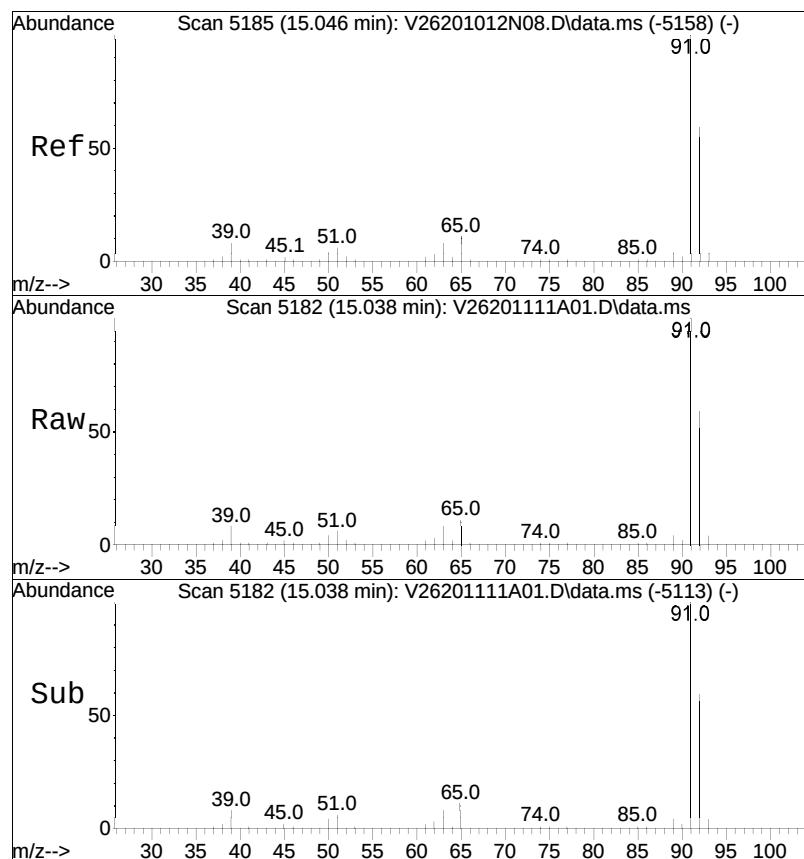




#61
 1,4-Dioxane
 Concen: 1842.33 ug/L
 RT: 13.270 min Scan# 4548
 Delta R.T. -0.011 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

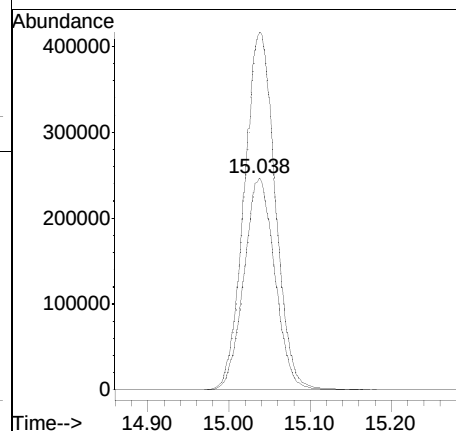
Tgt	Ion	Ratio	Lower	Upper
88	100			
58	58.1	57.0	85.4	
43	19.5	20.4	30.6	

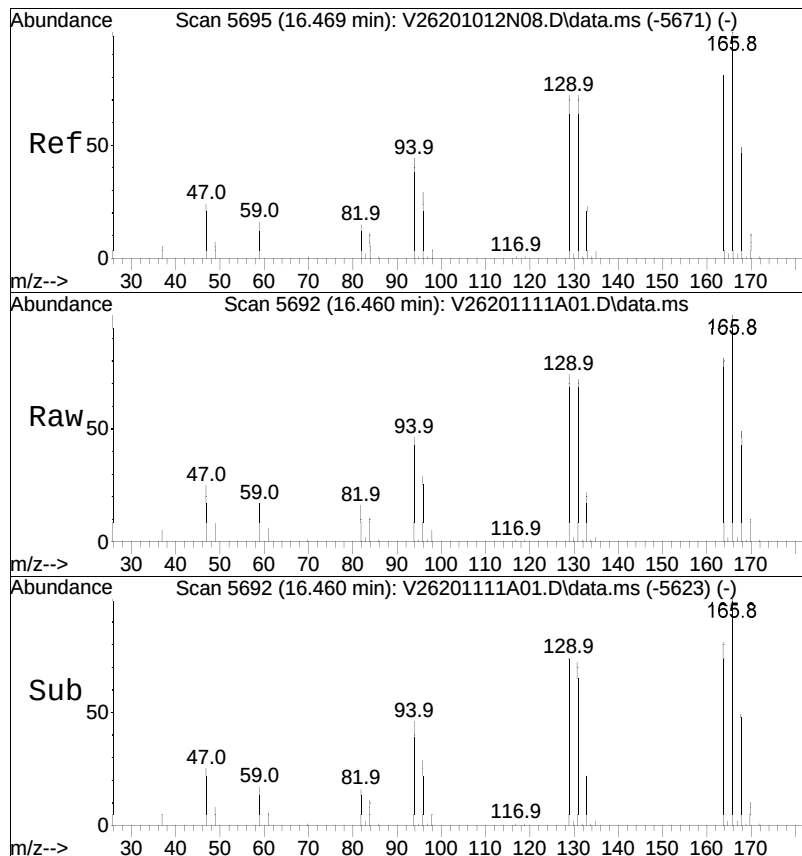




#66
Toluene
Concen: 37.04 ug/L
RT: 15.038 min Scan# 5182
Delta R.T. -0.008 min
Lab File: V26201111A01.D
Acq: 11 Nov 2020 10:51 am

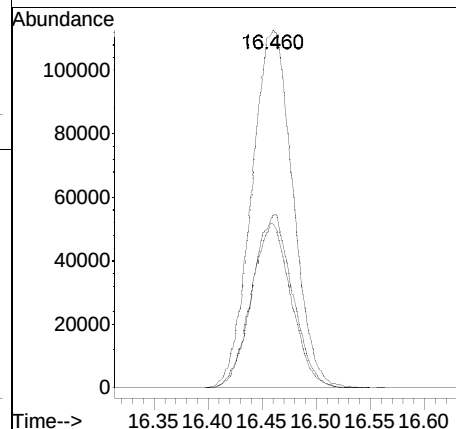
Tgt	Ion	Resp	Lower	Upper
92	100			
91	169.3	132.2	198.2	

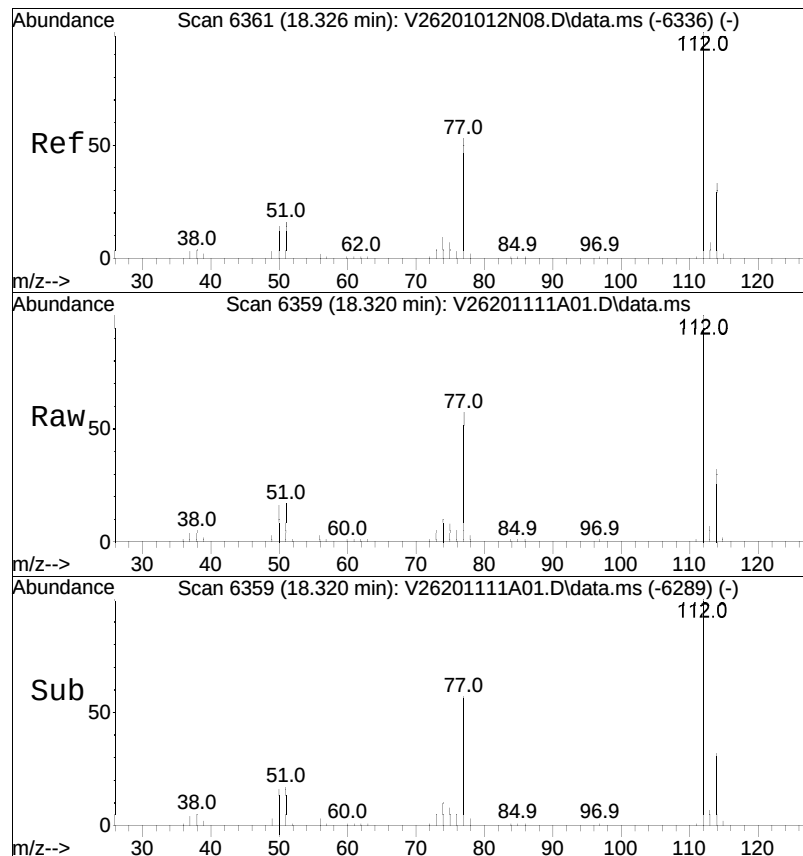




#68
 Tetrachloroethene
 Concen: 35.59 ug/L
 RT: 16.460 min Scan# 5692
 Delta R.T. -0.009 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

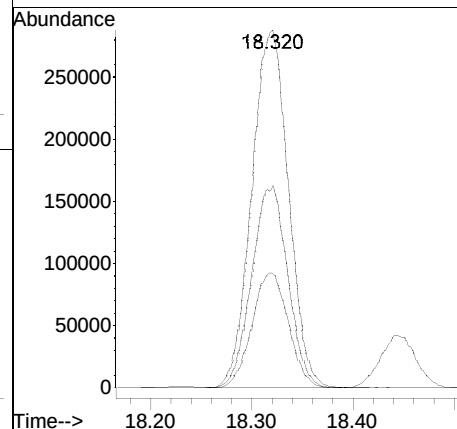
Tgt	Ion:166	Resp:	296304
Ion	Ratio	Lower	Upper
166	100		
168	47.6	27.8	67.8
94	44.9	24.4	64.4

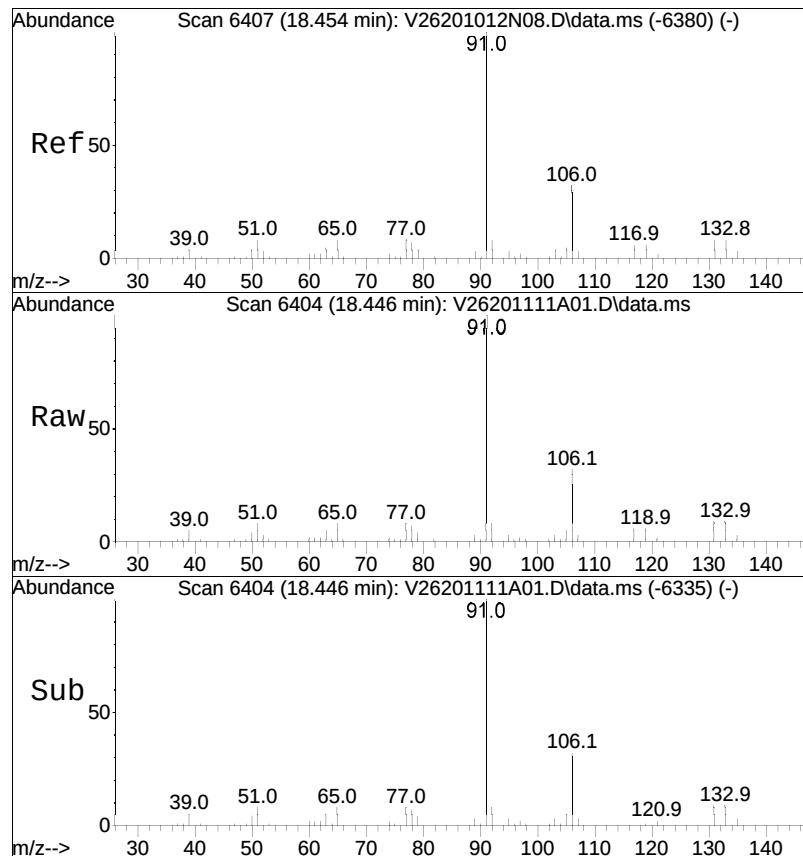




#82
 Chlorobenzene
 Concen: 35.73 ug/L
 RT: 18.320 min Scan# 6359
 Delta R.T. -0.006 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

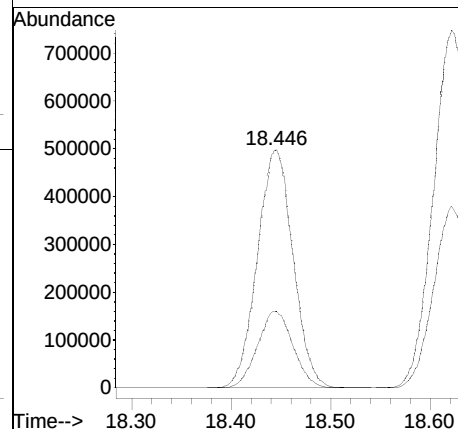
Tgt	Ion:112	Resp:	717656
Ion	Ratio	Lower	Upper
112	100		
77	55.4	46.1	69.1
114	32.3	26.3	39.5

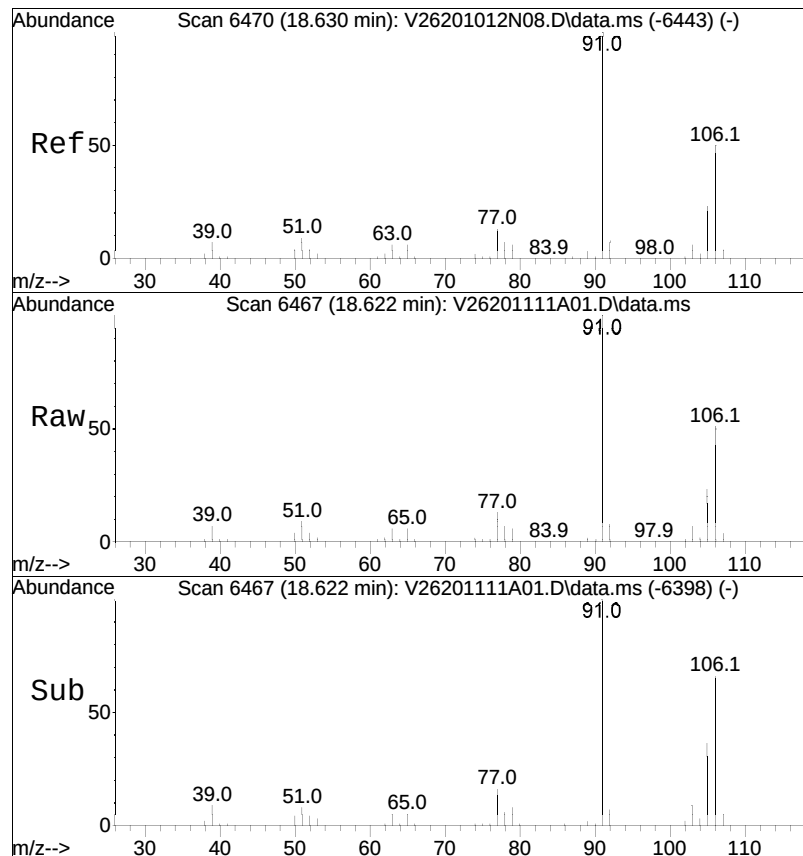




#83
 Ethylbenzene
 Concen: 37.18 ug/L
 RT: 18.446 min Scan# 6404
 Delta R.T. -0.008 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

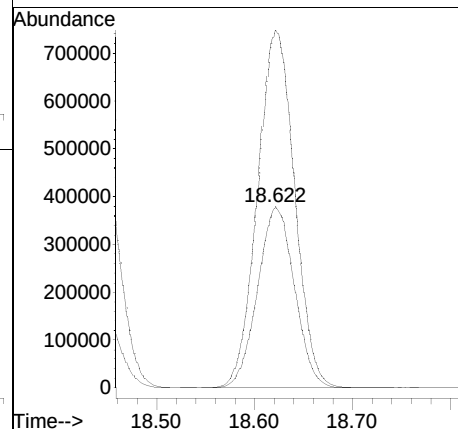
Tgt Ion: 91 Resp: 1241052
 Ion Ratio Lower Upper
 91 100
 106 31.9 26.6 39.8

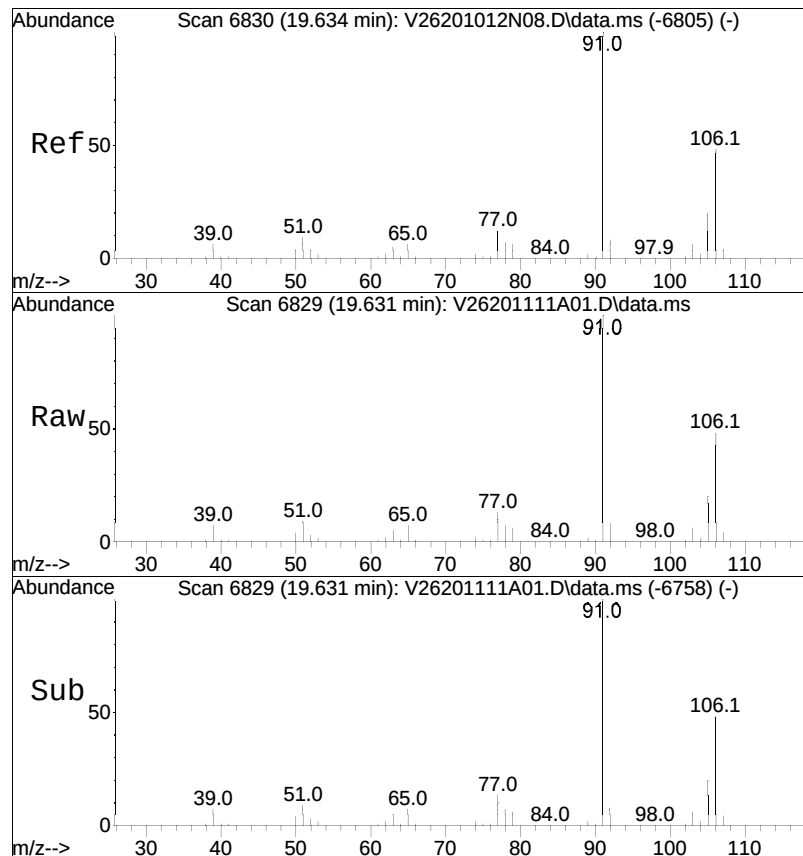




#85
 p/m Xylene
 Concen: 74.24 ug/L
 RT: 18.622 min Scan# 6467
 Delta R.T. -0.008 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

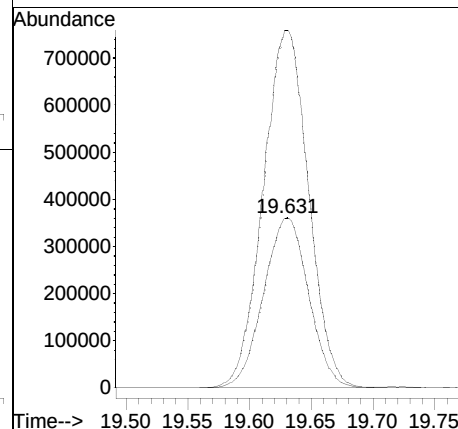
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	197.8	147.9	221.9	

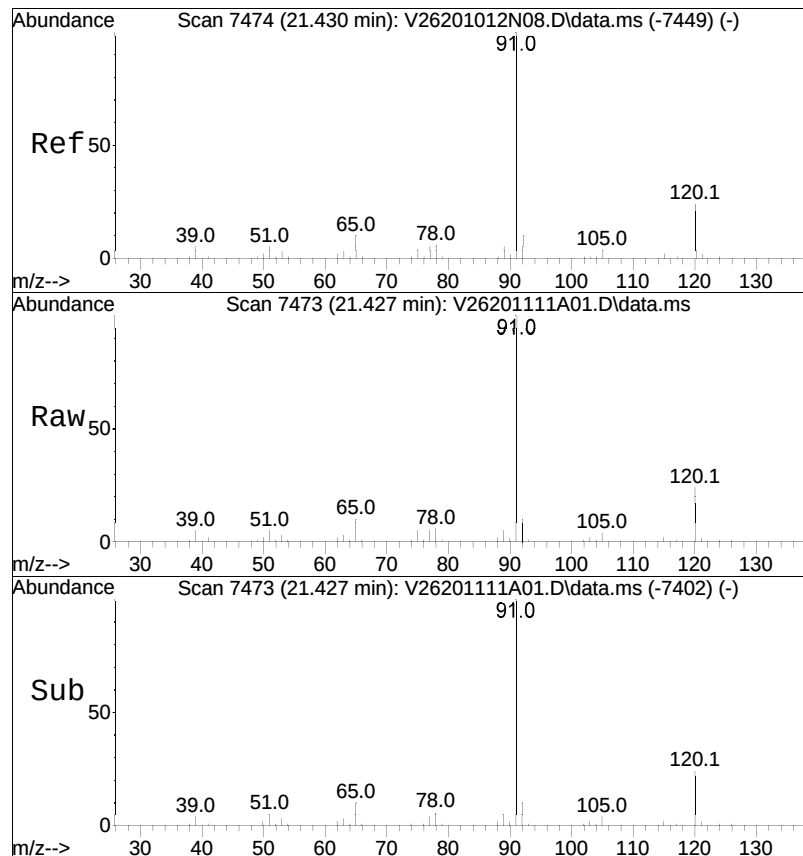




#86
o Xylene
Concen: 73.53 ug/L
RT: 19.631 min Scan# 6829
Delta R.T. -0.003 min
Lab File: V26201111A01.D
Acq: 11 Nov 2020 10:51 am

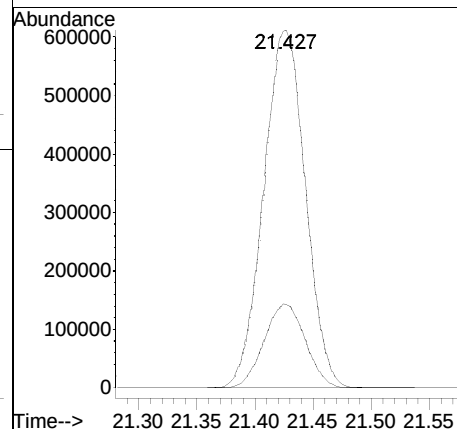
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	210.3	155.0	232.6	

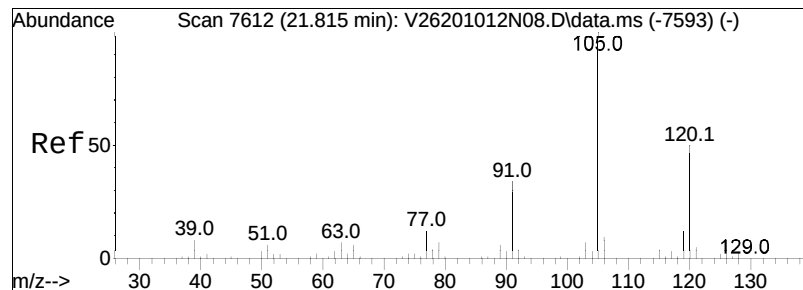




#95
 n-Propylbenzene
 Concen: 38.97 ug/L
 RT: 21.427 min Scan# 7473
 Delta R.T. -0.003 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

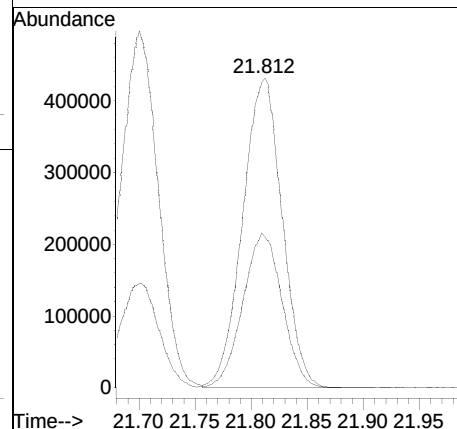
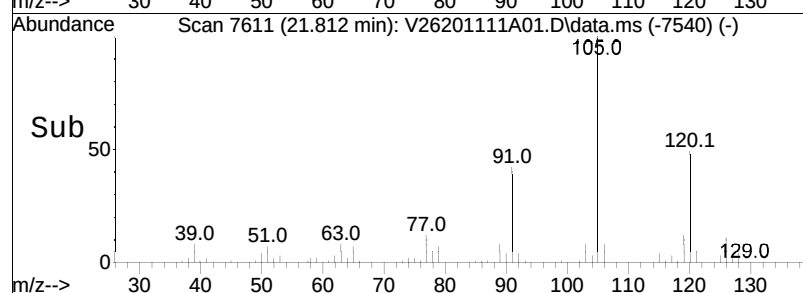
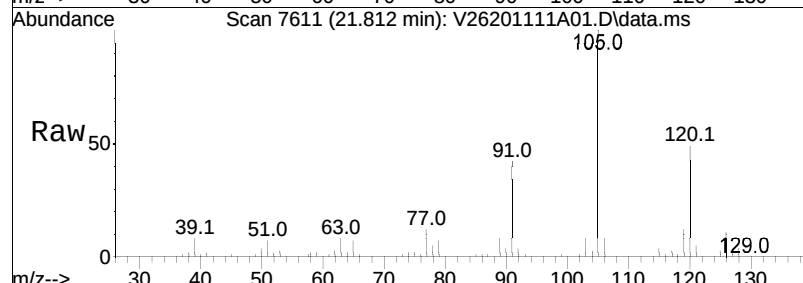
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	19.9	29.9

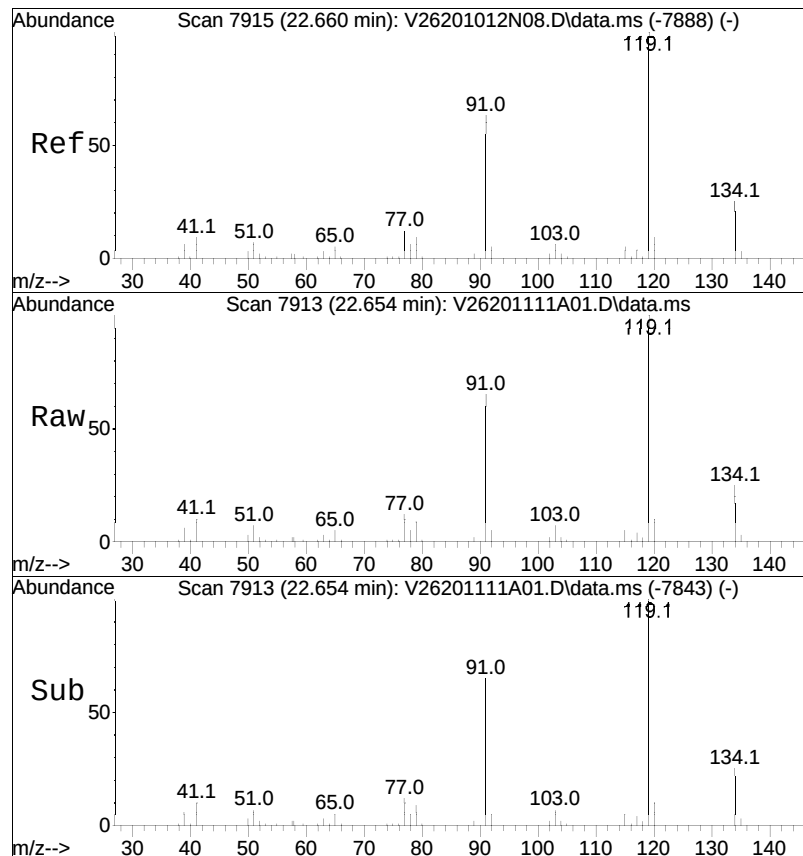




#100
 1,3,5-Trimethylbenzene
 Concen: 37.46 ug/L
 RT: 21.812 min Scan# 7611
 Delta R.T. -0.003 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

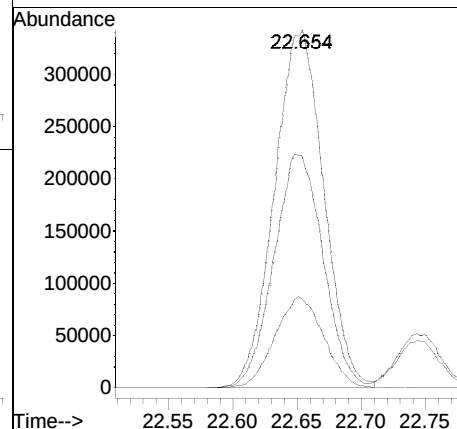
Tgt Ion:105 Resp: 1053466
 Ion Ratio Lower Upper
 105 100
 120 49.7 41.4 62.0

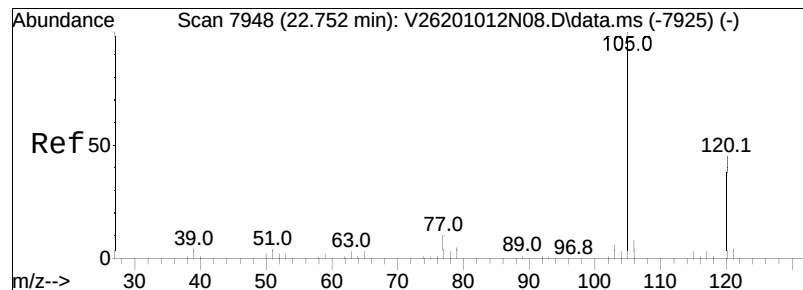




#104
 tert-Butylbenzene
 Concen: 37.77 ug/L
 RT: 22.654 min Scan# 7913
 Delta R.T. -0.006 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

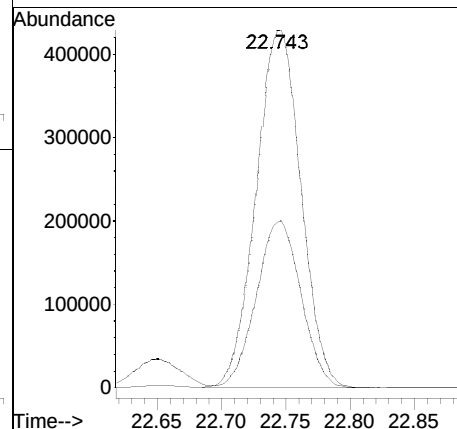
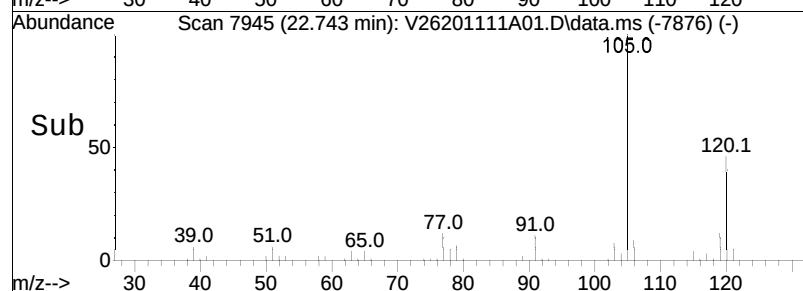
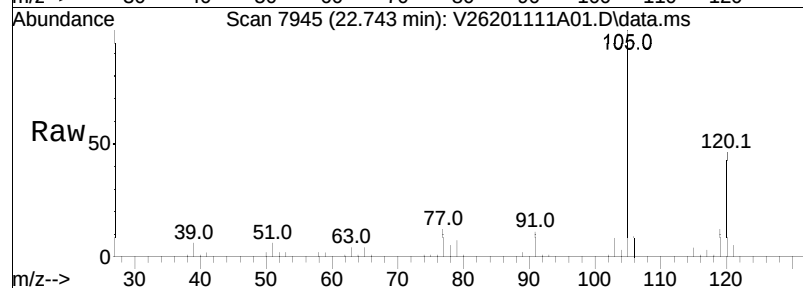
Tgt	Ion:119	Resp:	908101
Ion	Ratio	Lower	Upper
119	100		
91	65.2	52.6	79.0
134	25.2	20.7	31.1

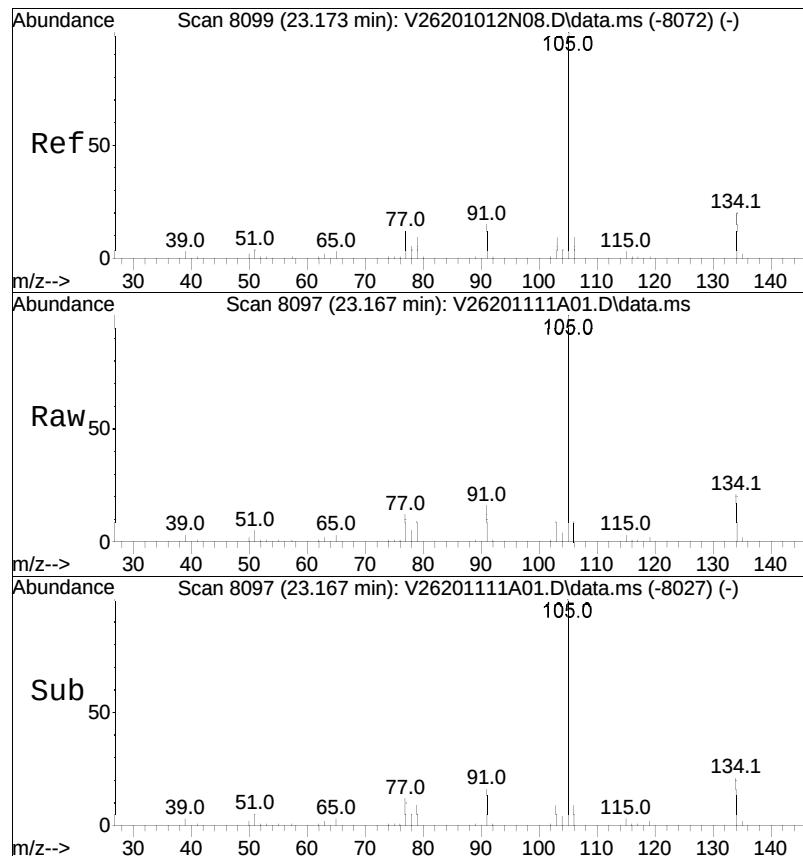




#107
 1,2,4-Trimethylbenzene
 Concen: 37.59 ug/L
 RT: 22.743 min Scan# 7945
 Delta R.T. -0.009 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

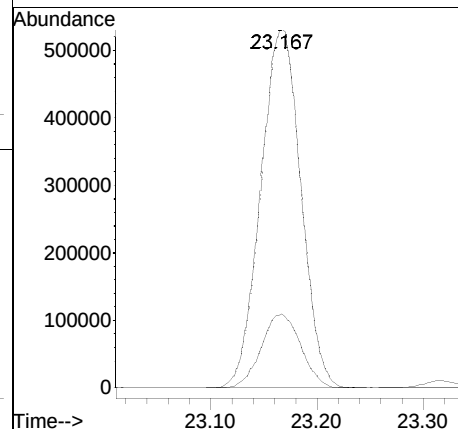
Tgt Ion:105 Resp: 1030071
 Ion Ratio Lower Upper
 105 100
 120 46.8 38.7 58.1

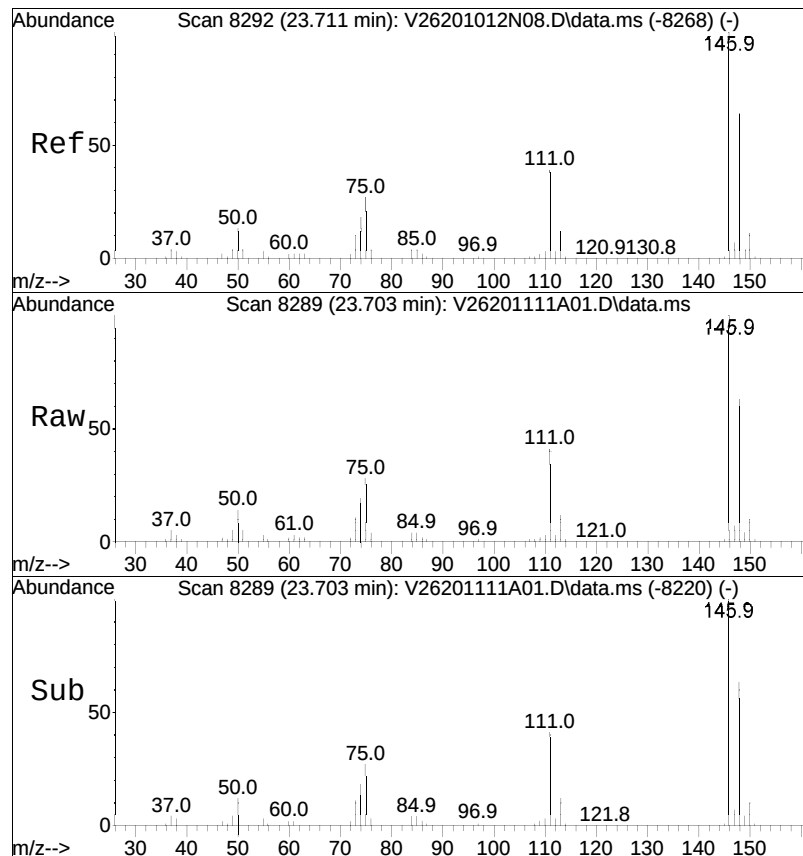




#109
 sec-Butylbenzene
 Concen: 38.77 ug/L
 RT: 23.167 min Scan# 8097
 Delta R.T. -0.006 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

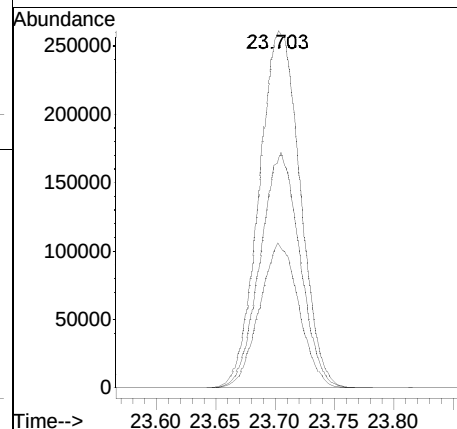
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	20.5	14.0	29.0	

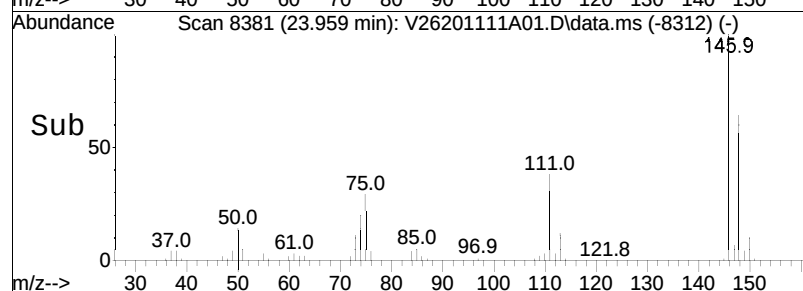
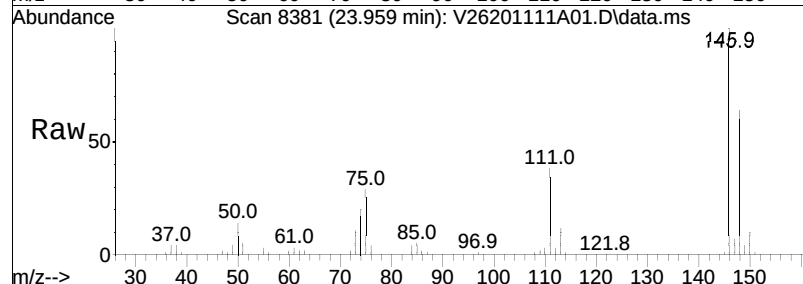
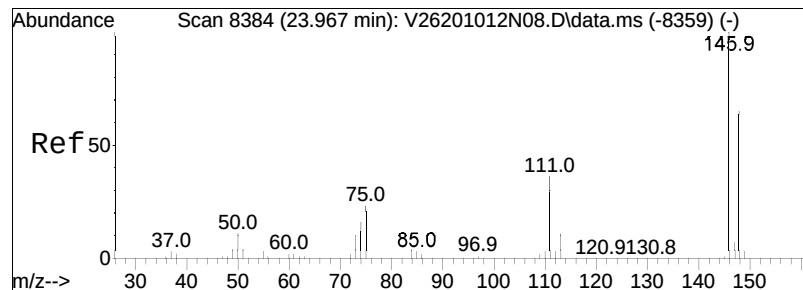




#111
 1,3-Dichlorobenzene
 Concen: 37.69 ug/L
 RT: 23.703 min Scan# 8289
 Delta R.T. -0.008 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

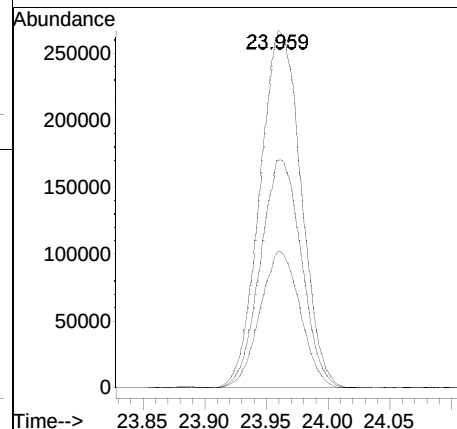
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	26.4	54.8
148	63.8	41.7	86.5

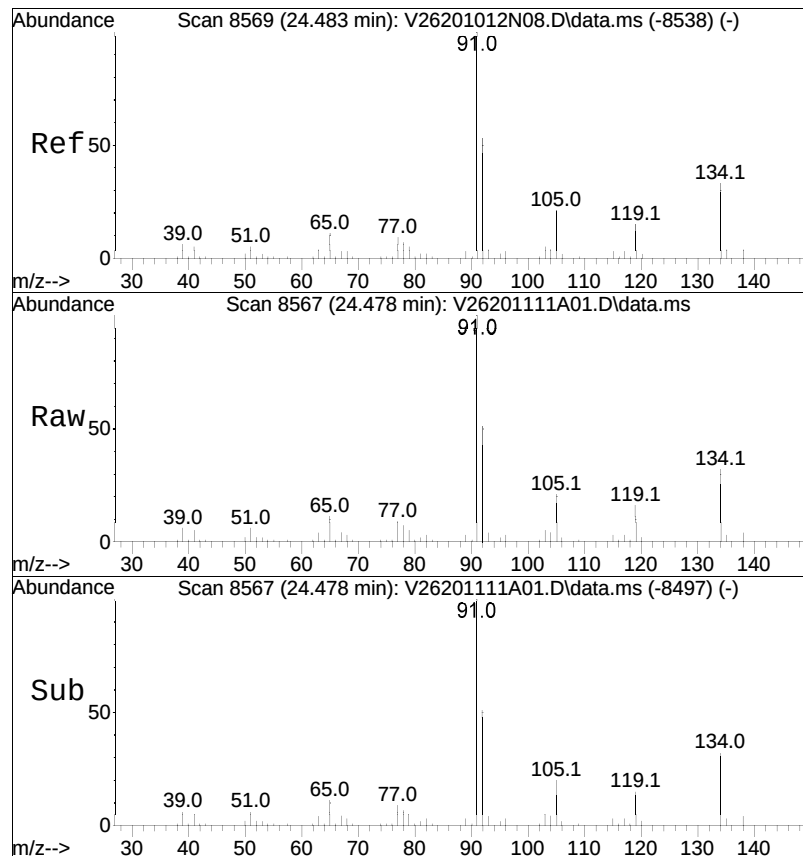




#112
 1,4-Dichlorobenzene
 Concen: 37.63 ug/L
 RT: 23.959 min Scan# 8381
 Delta R.T. -0.008 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

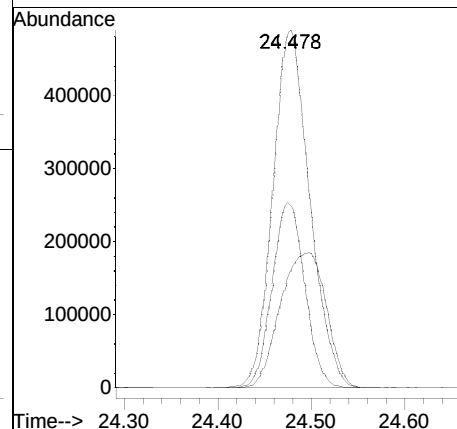
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	31.2	46.8
148	63.8	51.4	77.0

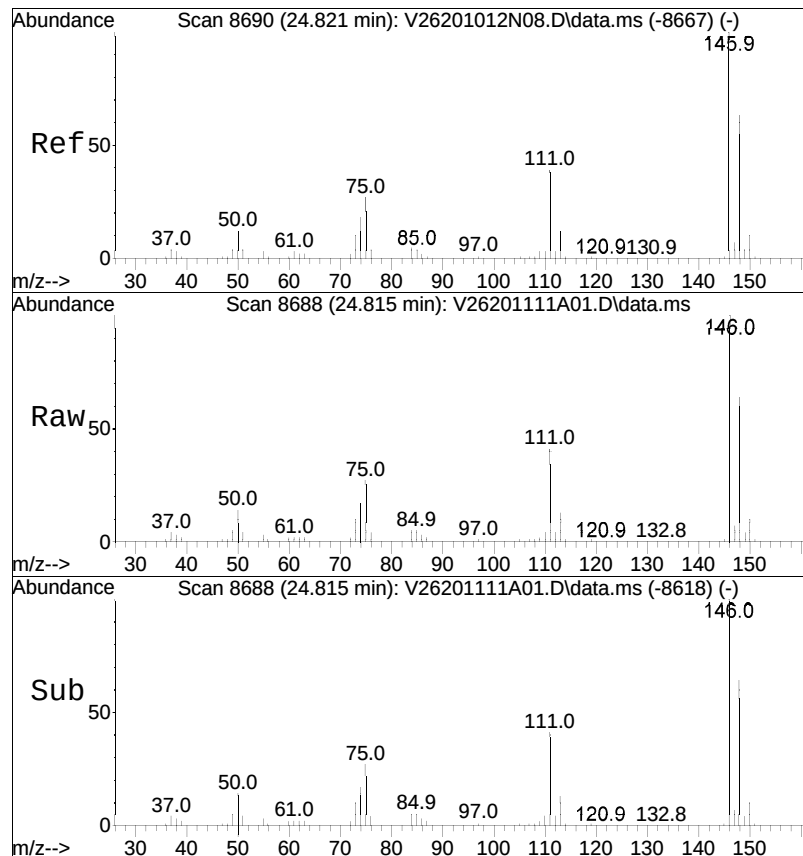




#116
 n-Butylbenzene
 Concen: 38.70 ug/L
 RT: 24.478 min Scan# 8567
 Delta R.T. -0.005 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

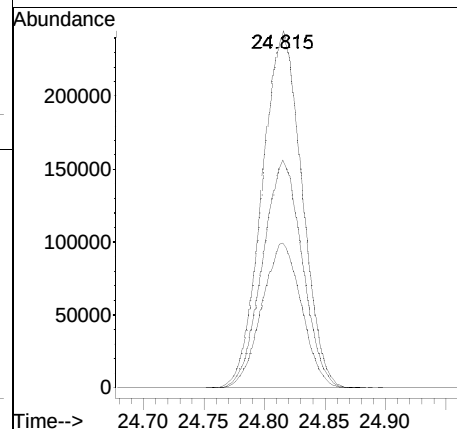
Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.0	38.2	57.4
134	47.3	39.1	58.7





#118
 1,2-Dichlorobenzene
 Concen: 37.05 ug/L
 RT: 24.815 min Scan# 8688
 Delta R.T. -0.006 min
 Lab File: V26201111A01.D
 Acq: 11 Nov 2020 10:51 am

Tgt	Ion:146	Resp:	558310
Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.3	56.7
148	63.6	41.6	86.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA126\2020\20	Method	: V126_201012N_8260Suff.m
Data File	: V26201111A01.D	Operator	: VOA126:MV
Date Inj'd	: 11/11/2020 10:51 am	Instrument	: VOA126
Sample	: WG1433193-3,31,5,5	Quant Date	: 11/11/2020 12:19 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A02.D
 Acq On : 10 Nov 2020 06:21 am
 Operator : VOA111:MV
 Sample : WG1432524-4, 31h, 15, 15, 0.1
 Misc : WG1432524, ICAL17294
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 10 07:50:11 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	95311	20.000	ug/L	0.00
Standard Area 1 = 93534			Recovery =	101.90%		
59) Chlorobenzene-d5	8.900	117	73186	20.000	ug/L	0.00
Standard Area 1 = 73363			Recovery =	99.76%		
79) 1,4-Dichlorobenzene-d4	11.731	152	38261	20.000	ug/L	0.00
Standard Area 1 = 39230			Recovery =	97.53%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	24298	20.005	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.02%		
43) 1,2-Dichloroethane-d4	5.162	65	23992	20.361	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.81%		
60) Toluene-d8	7.091	98	94284	20.009	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.05%		
83) 4-Bromofluorobenzene	10.452	95	31580	19.184	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.92%		
Target Compounds						
						Qvalue
4) Vinyl chloride	1.696	62	42070	41.646	ug/L	98
10) 1,1-Dichloroethene	2.598	96	30689	42.848	ug/L	84
15) Methylene chloride	3.086	84	38019	41.644	ug/L	72
17) Acetone	3.122	43	7815	40.276	ug/L	95
18) trans-1,2-Dichloroethene	3.232	96	36352	43.462	ug/L	85
20) Methyl tert-butyl ether	3.316	73	89959	41.245	ug/L	89
23) 1,1-Dichloroethane	3.762	63	68223	44.911	ug/L	98
28) cis-1,2-Dichloroethene	4.244	96	41167	43.149	ug/L	85
32) Chloroform	4.501	83	69209	44.127	ug/L	97
34) Carbon tetrachloride	4.627	117	53645	43.427	ug/L	99
37) 1,1,1-Trichloroethane	4.685	97	58153	46.330	ug/L	97
39) 2-Butanone	4.774	43	13379	41.994	ug/L	96
41) Benzene	5.036	78	149079	45.059	ug/L	91
44) 1,2-Dichloroethane	5.230	62	51013	42.941	ug/L	99
48) Trichloroethene	5.613	95	39070	46.374	ug/L	99
57) 1,4-Dioxane	6.420	88	16381	2017.438	ug/L #	77
61) Toluene	7.149	92	94109	41.525	ug/L	96
63) Tetrachloroethene	7.584	166	40495	44.781	ug/L	99
73) Chlorobenzene	8.921	112	108504	41.564	ug/L	98
74) Ethylbenzene	8.968	91	177779	42.476	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A02.D
 Acq On : 10 Nov 2020 06:21 am
 Operator : VOA111:MV
 Sample : WG1432524-4,31h,15,15,0.1
 Misc : WG1432524,ICAL17294
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 10 07:50:11 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201110A\V11201110A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	p/m Xylene	9.157	106	142023	89.010	ug/L	99
77)	o Xylene	9.697	106	131724	88.402	ug/L	97
85)	n-Propylbenzene	10.630	91	215078	41.399	ug/L	100
90)	1,3,5-Trimethylbenzene	10.877	105	149504	41.778	ug/L	100
94)	tert-Butylbenzene	11.233	119	124537	41.027	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	147143	42.362	ug/L	99
98)	sec-Butylbenzene	11.433	105	193711	42.000	ug/L	100
100)	1,3-Dichlorobenzene	11.653	146	92442	40.907	ug/L	99
101)	1,4-Dichlorobenzene	11.747	146	91967	39.213	ug/L	99
103)	n-Butylbenzene	12.051	91	155854	43.839	ug/L	99
104)	1,2-Dichlorobenzene	12.182	146	83746	39.849	ug/L	99

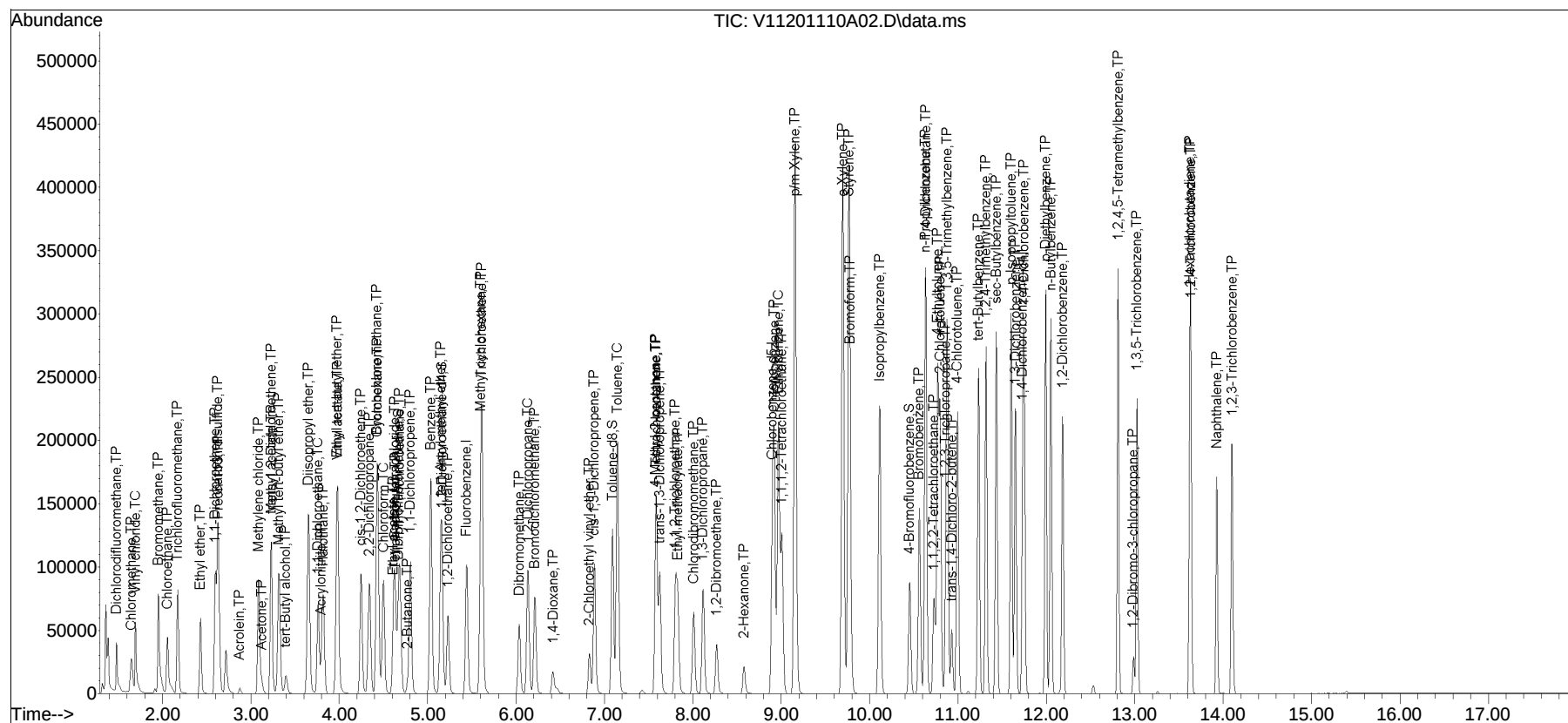
(#) = qualifier out of range (m) = manual integration (+) = signals summed

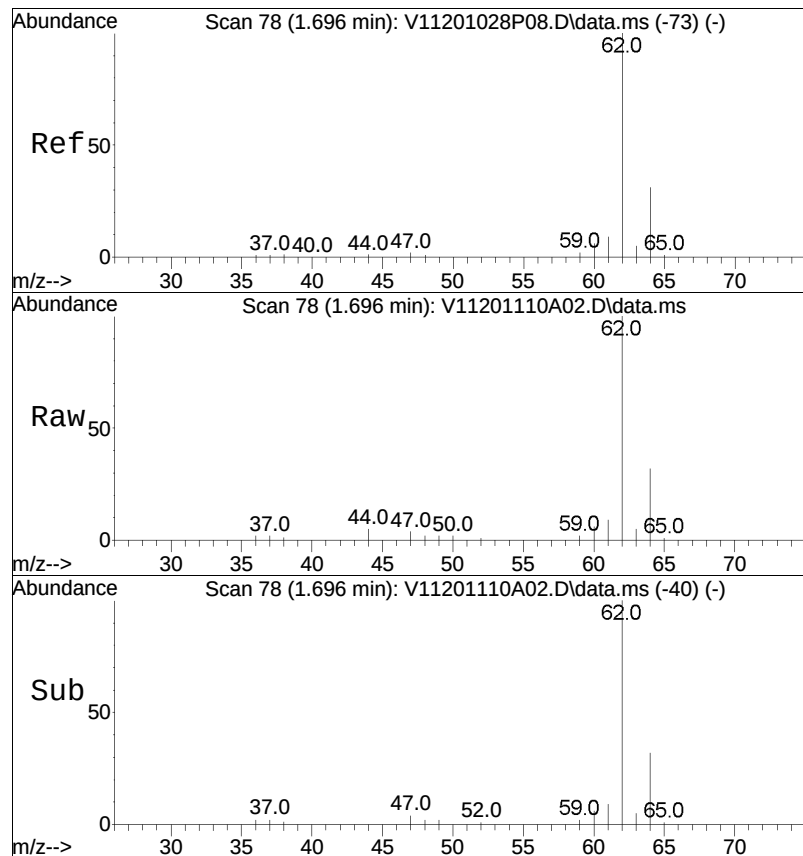
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201110A\
 Data File : V11201110A02.D
 Acq On : 10 Nov 2020 06:21 am
 Operator : VOA111:MV
 Sample : WG1432524-4, 31h, 15, 15, 0.1
 Misc : WG1432524, ICA17294
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 10 07:50:11 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201110A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

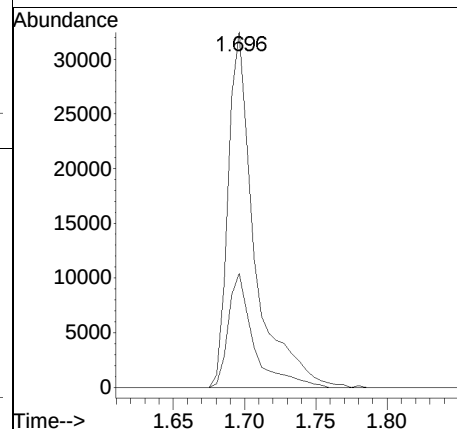
Sub List : 8260-CurveSoil - Megamix plus Diox0A\V11201110A01.D•

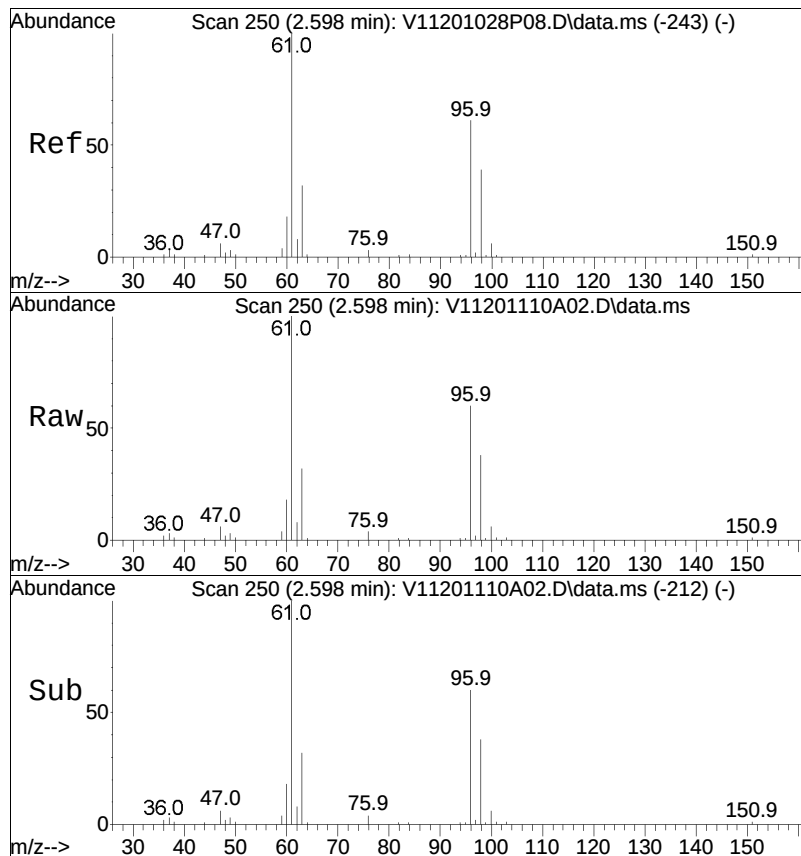




#4
 Vinyl chloride
 Concen: 41.65 ug/L
 RT: 1.696 min Scan# 78
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

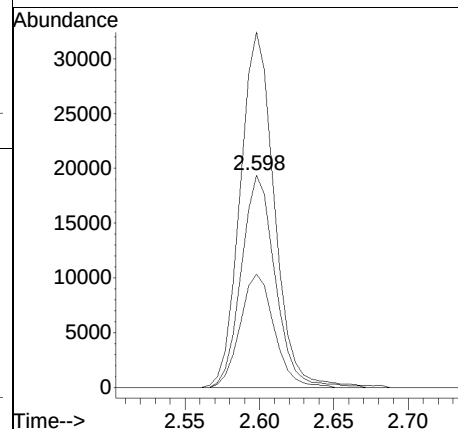
Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.8	9.9	49.9

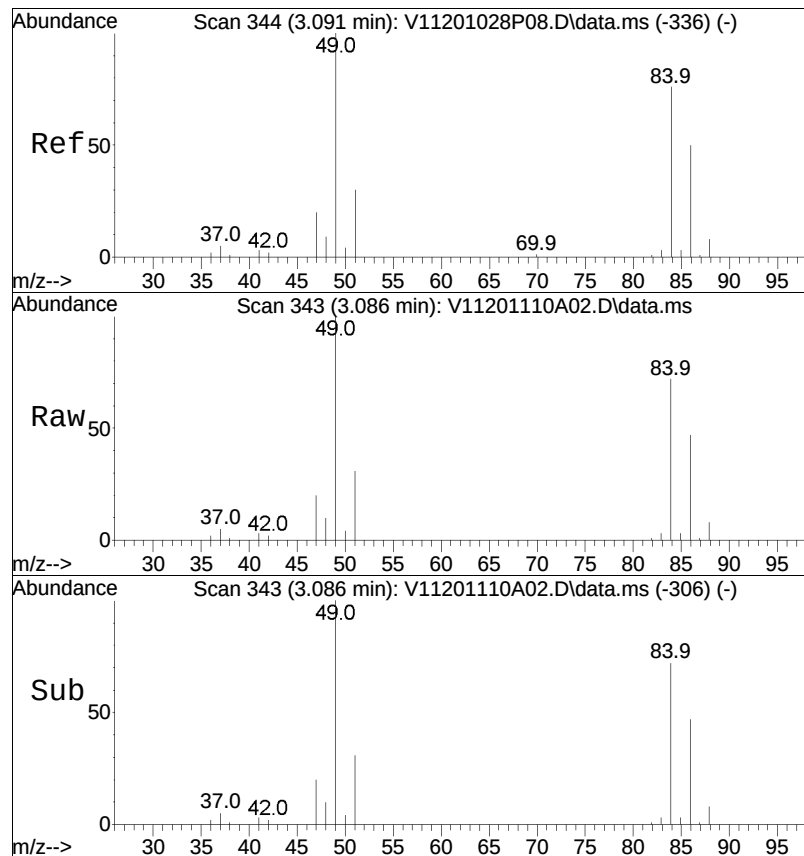




#10
 1,1-Dichloroethene
 Concen: 42.85 ug/L
 RT: 2.598 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

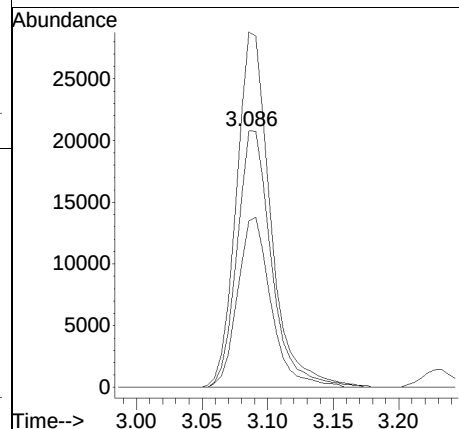
Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.0	157.7	236.5
63	53.7	47.9	71.9

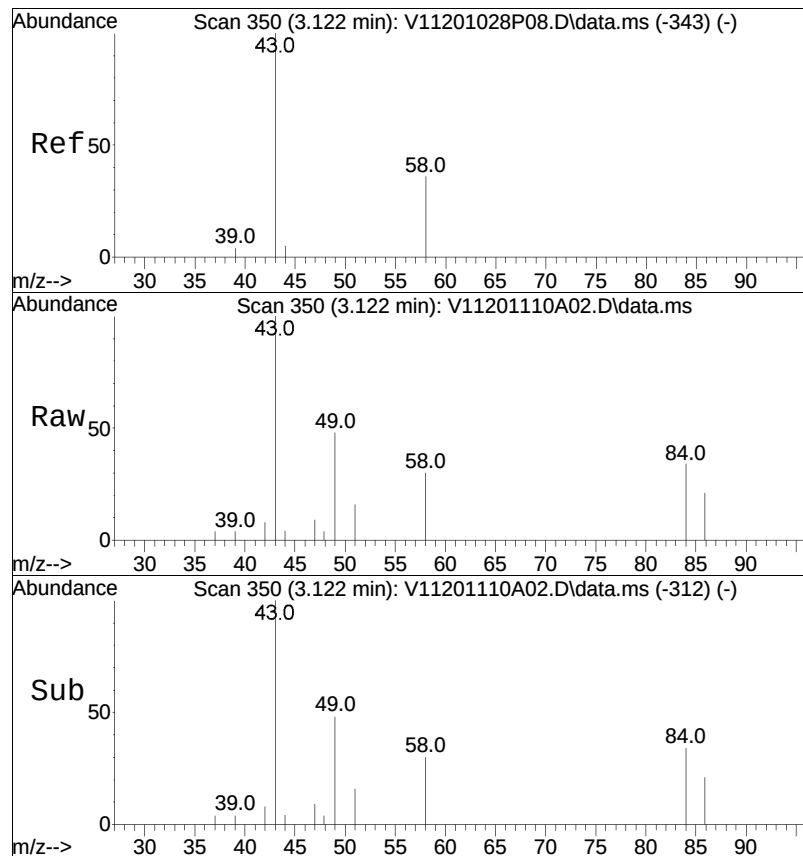




#15
 Methylene chloride
 Concen: 41.64 ug/L
 RT: 3.086 min Scan# 343
 Delta R.T. -0.005 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

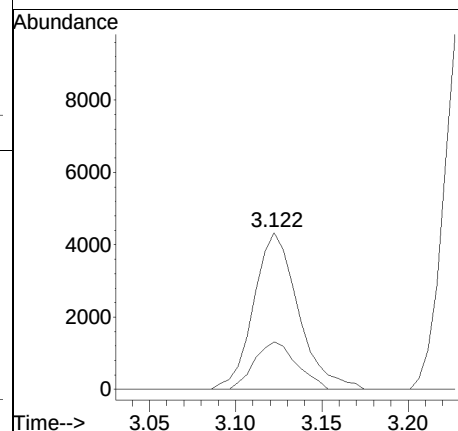
Tgt	Ion: 84	Resp:	38019
Ion	Ratio	Lower	Upper
84	100		
86	64.7	41.1	85.3
49	137.3	124.2	258.0

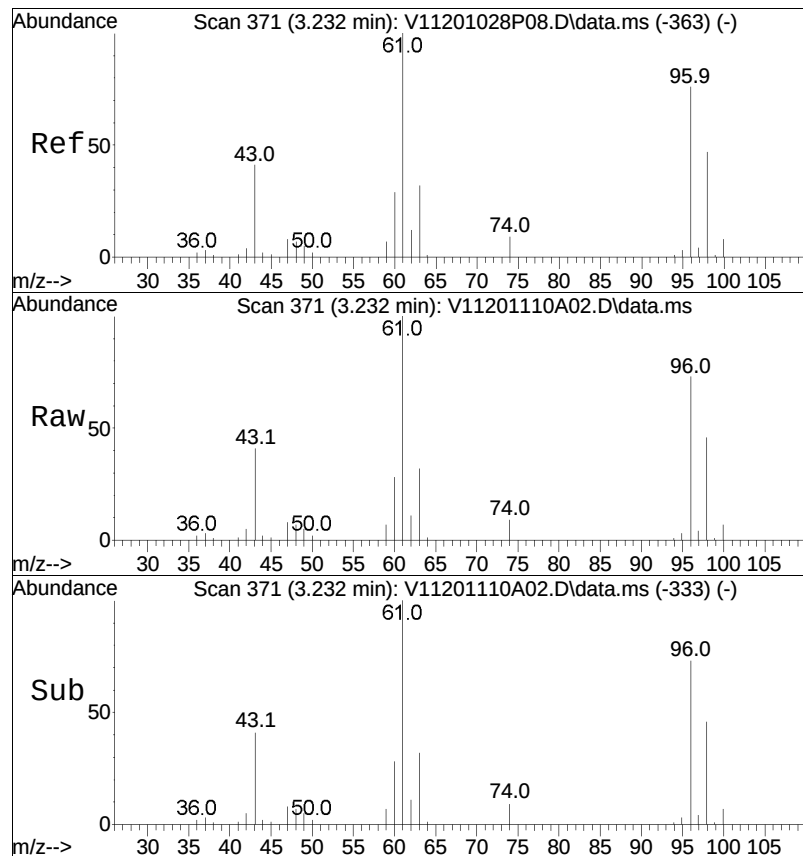




#17
 Acetone
 Concen: 40.28 ug/L
 RT: 3.122 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

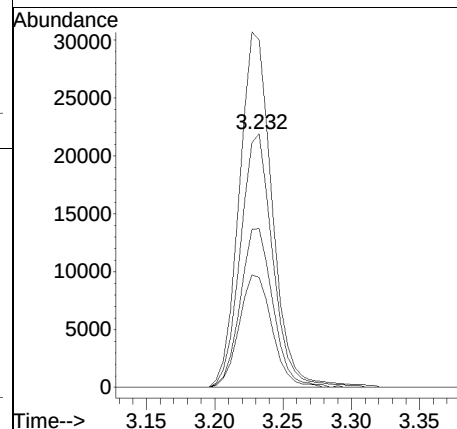
Tgt Ion: 43 Resp: 7815
 Ion Ratio Lower Upper
 43 100
 58 28.8 20.8 31.2

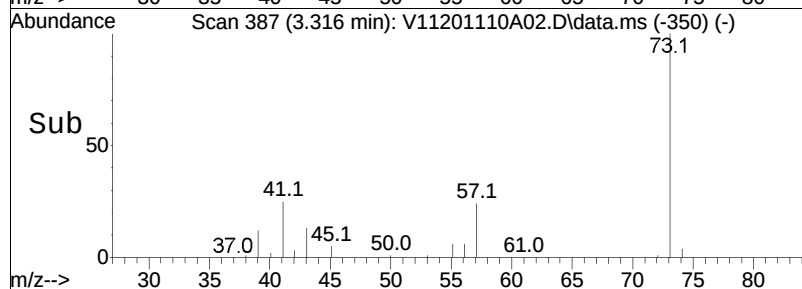
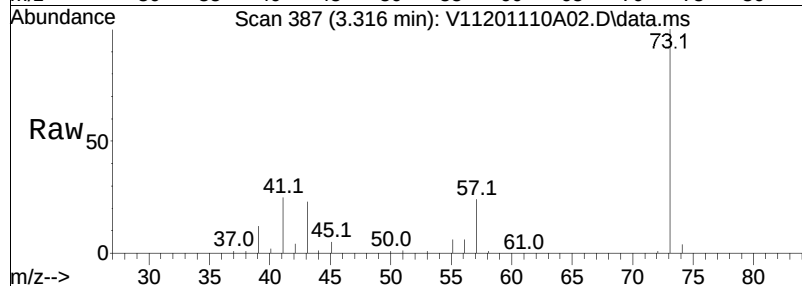
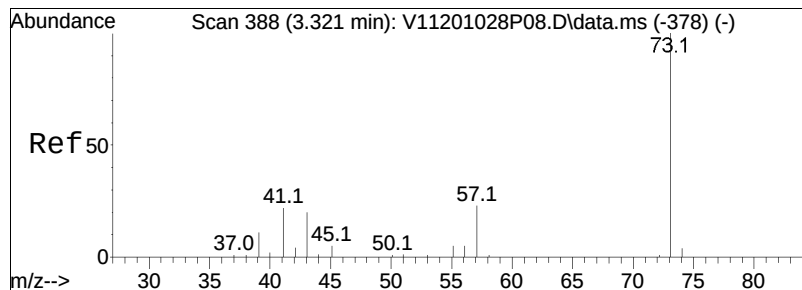




#18
 trans-1,2-Dichloroethene
 Concen: 43.46 ug/L
 RT: 3.232 min Scan# 371
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

Tgt Ion:	96	Resp:	36352
Ion Ratio	Lower	Upper	
96	100		
61	141.7	111.1	230.8
98	63.0	41.8	86.8
63	44.9	33.3	69.1





#20

Methyl tert-butyl ether

Concen: 41.25 ug/L

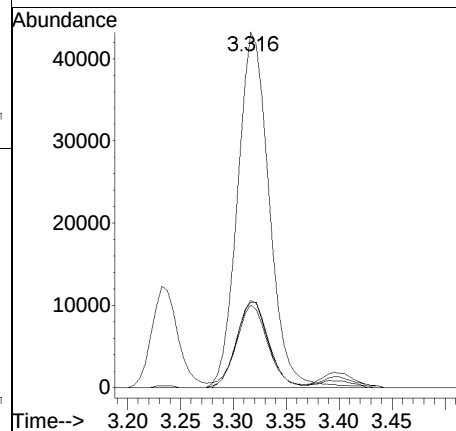
RT: 3.316 min Scan# 387

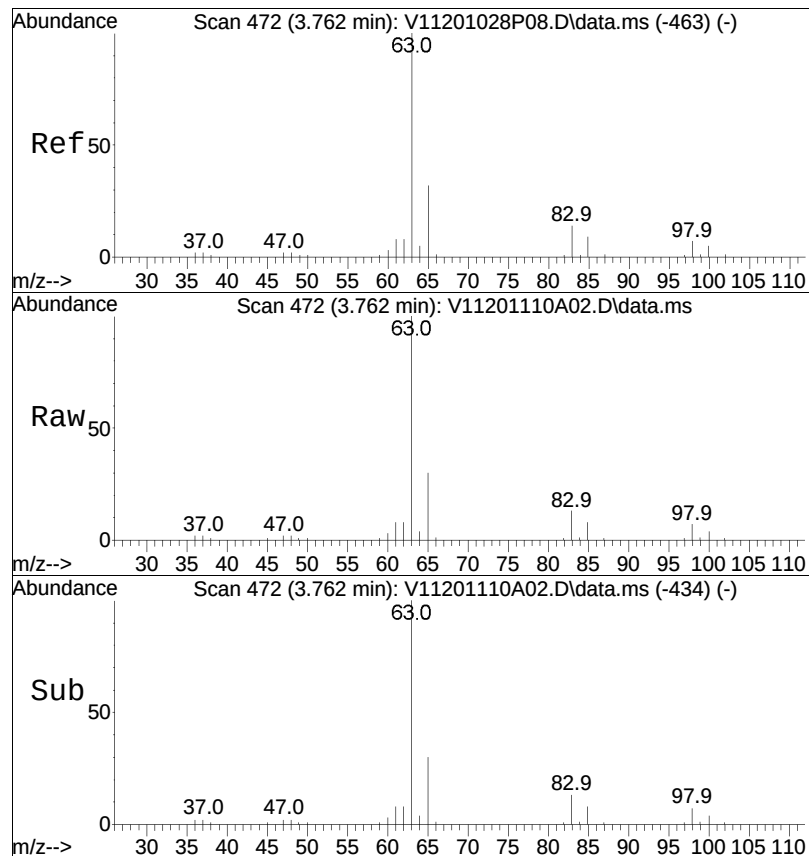
Delta R.T. -0.005 min

Lab File: V11201110A02.D

Acq: 10 Nov 2020 06:21 am

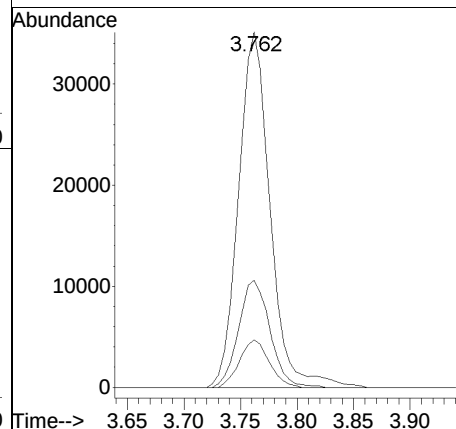
Tgt Ion:	73	Resp:	89959
Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.6	40.6
43	23.4	18.5	38.3
41	24.5	20.3	42.1

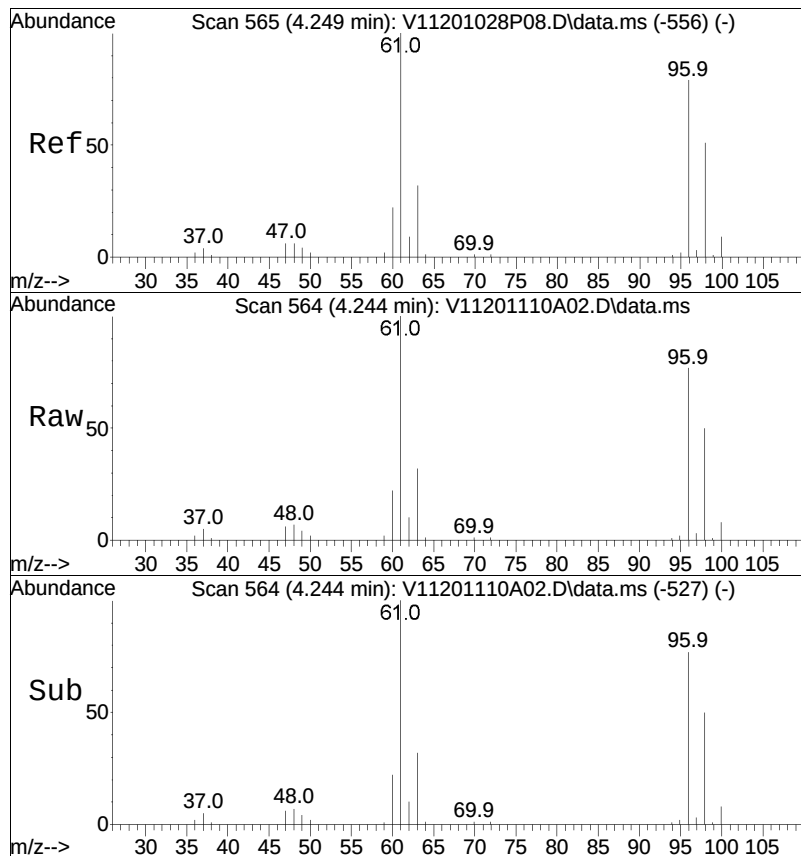




#23
 1,1-Dichloroethane
 Concen: 44.91 ug/L
 RT: 3.762 min Scan# 472
 Delta R.T. -0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

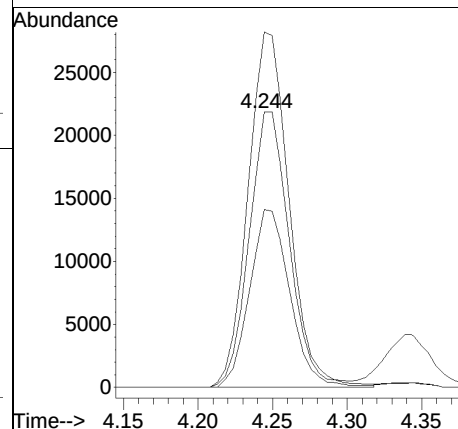
Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.9	9.0	49.0
83	12.6	0.0	31.4

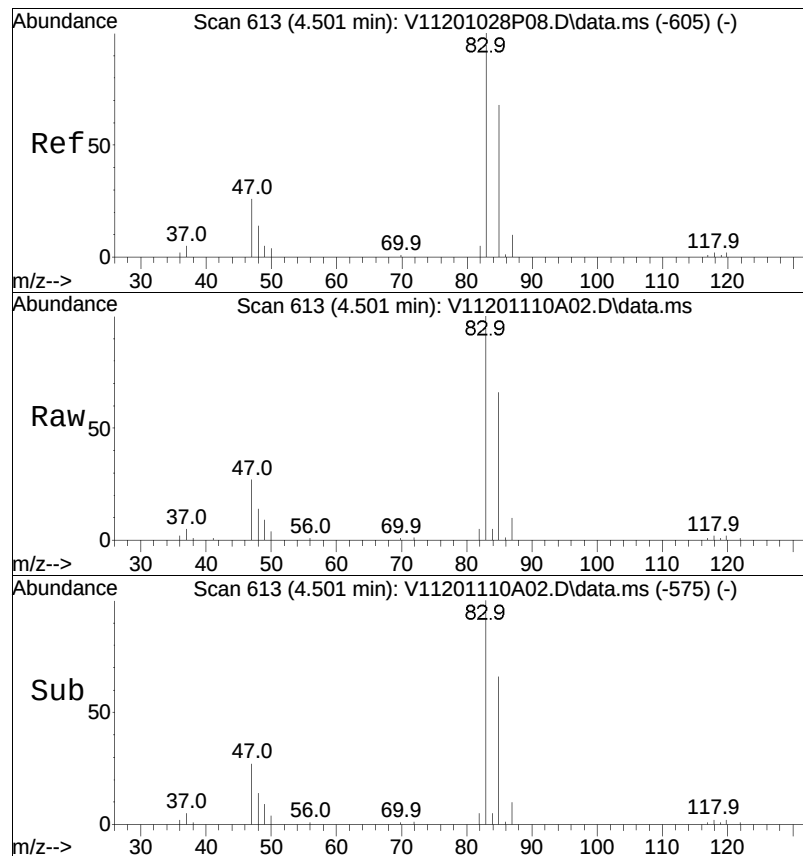




#28
 cis-1,2-Dichloroethene
 Concen: 43.15 ug/L
 RT: 4.244 min Scan# 564
 Delta R.T. -0.005 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

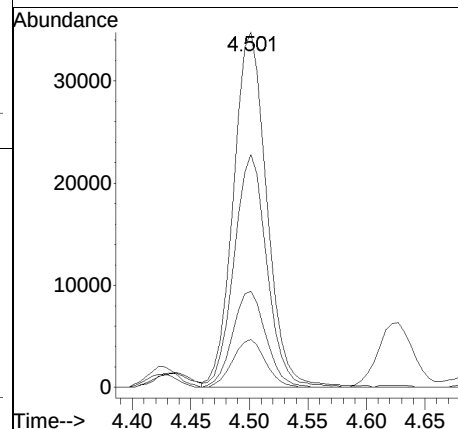
Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.5	126.3	189.5
98	64.5	51.0	76.6

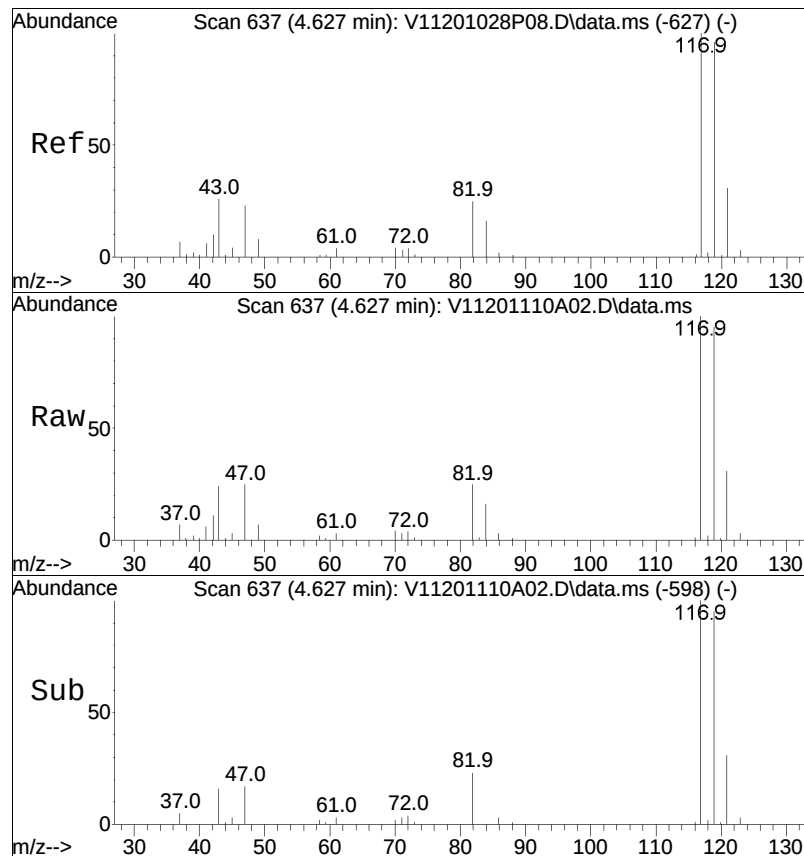




#32
 Chloroform
 Concen: 44.13 ug/L
 RT: 4.501 min Scan# 613
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

Tgt	Ion: 83	Resp:	69209
Ion	Ratio	Lower	Upper
83	100		
85	64.7	41.9	87.1
47	27.0	20.9	43.3
48	13.2	9.9	20.5





#34

Carbon tetrachloride

Concen: 43.43 ug/L

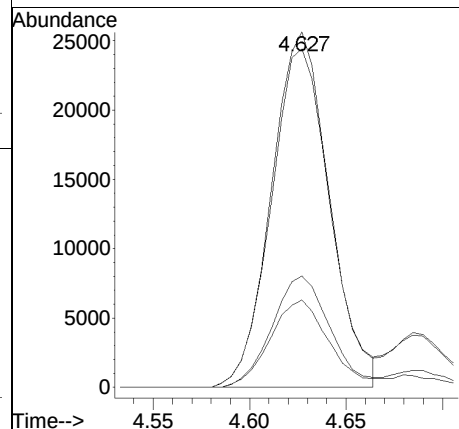
RT: 4.627 min Scan# 637

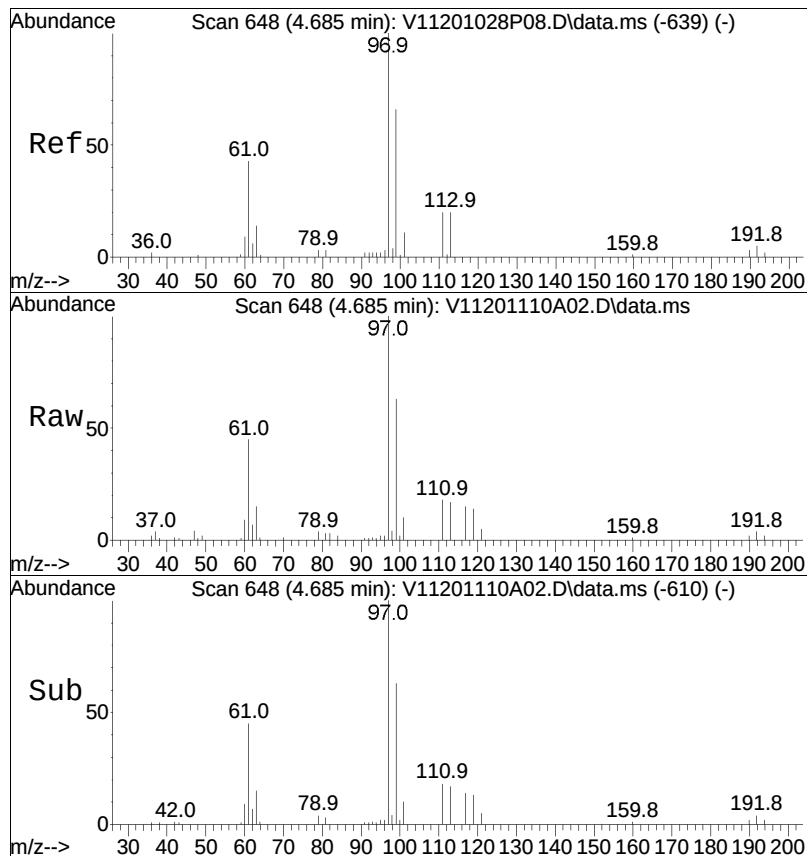
Delta R.T. 0.000 min

Lab File: V11201110A02.D

Acq: 10 Nov 2020 06:21 am

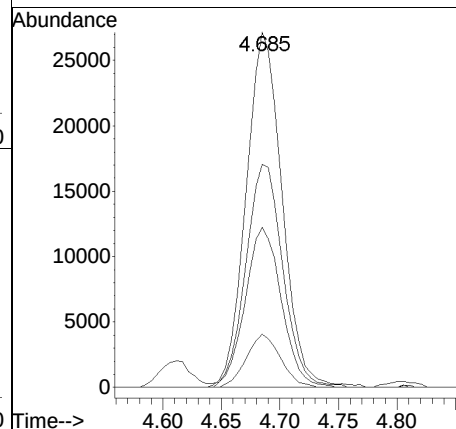
Tgt Ion:	117	Resp:	53645
Ion Ratio	Lower	Upper	
117	100		
119	96.6	64.0	132.8
121	31.2	20.7	42.9
82	24.8	16.3	33.8

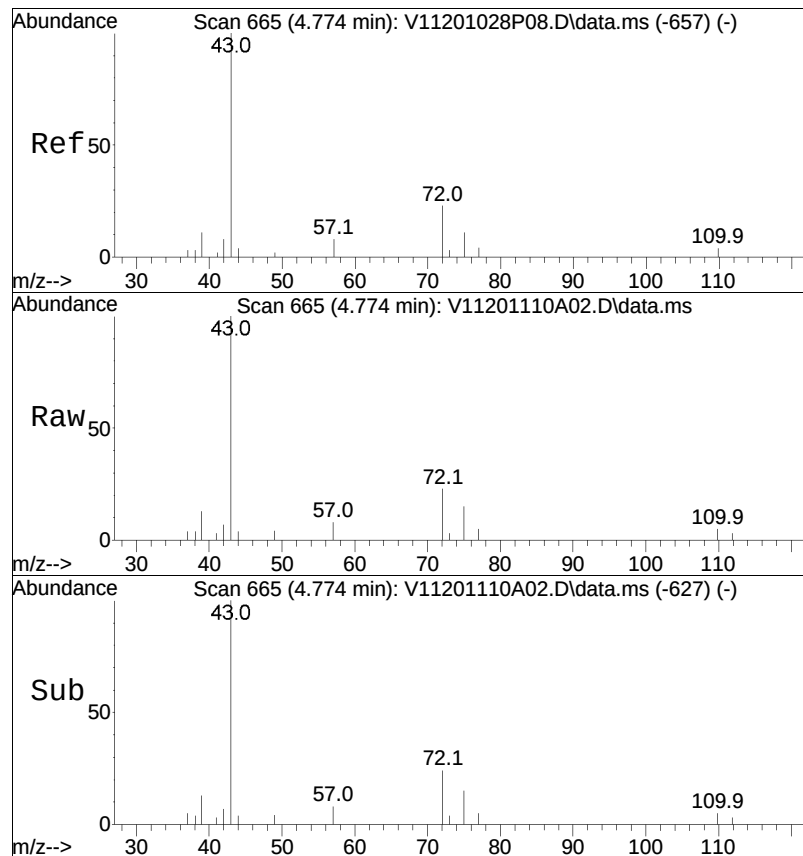




#37
 1,1,1-Trichloroethane
 Concen: 46.33 ug/L
 RT: 4.685 min Scan# 648
 Delta R.T. -0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

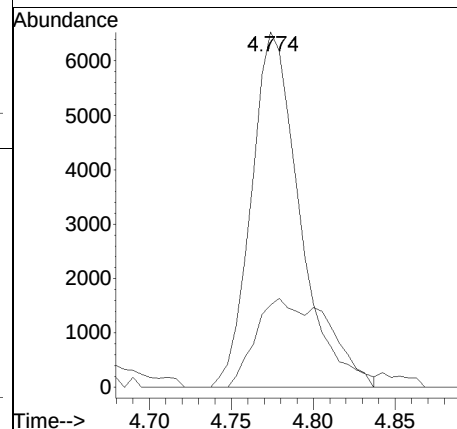
Tgt Ion:	97	Resp:	58153
Ion Ratio	Lower	Upper	
97	100		
99	64.5	41.5	86.1
61	45.6	32.2	67.0
63	14.2	10.1	20.9

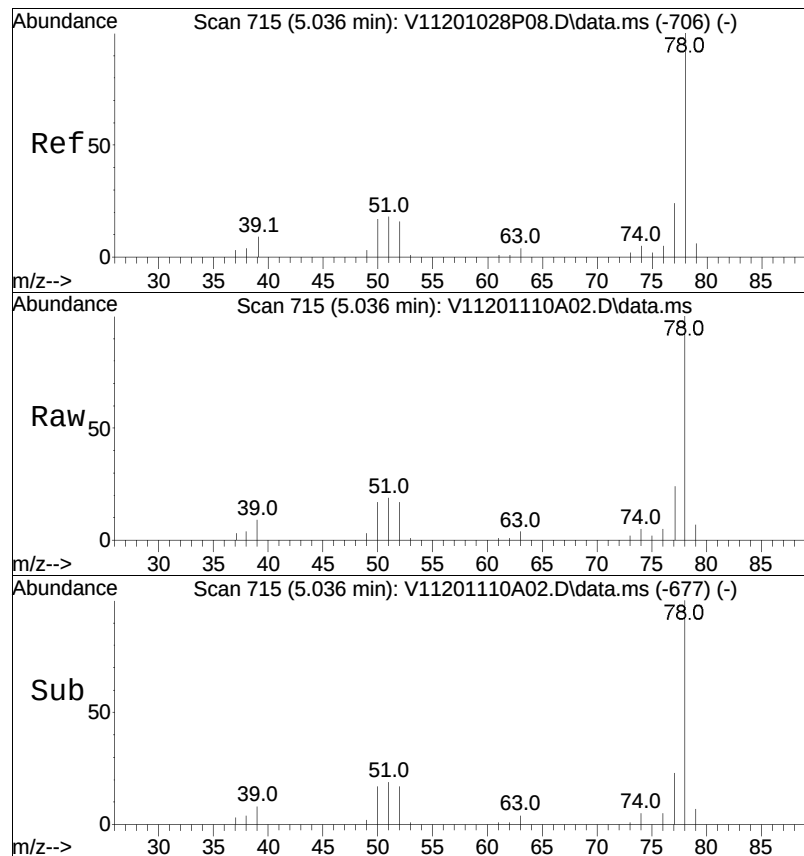




#39
 2-Butanone
 Concen: 41.99 ug/L
 RT: 4.774 min Scan# 665
 Delta R.T. -0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

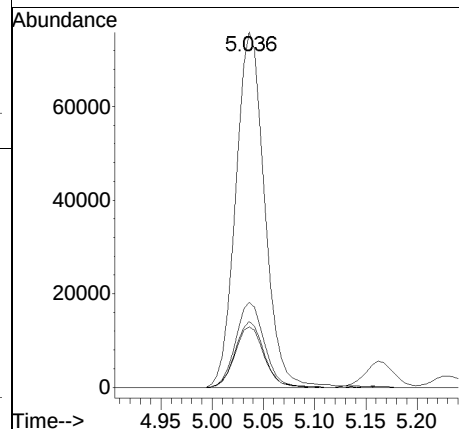
Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	21.0	31.6

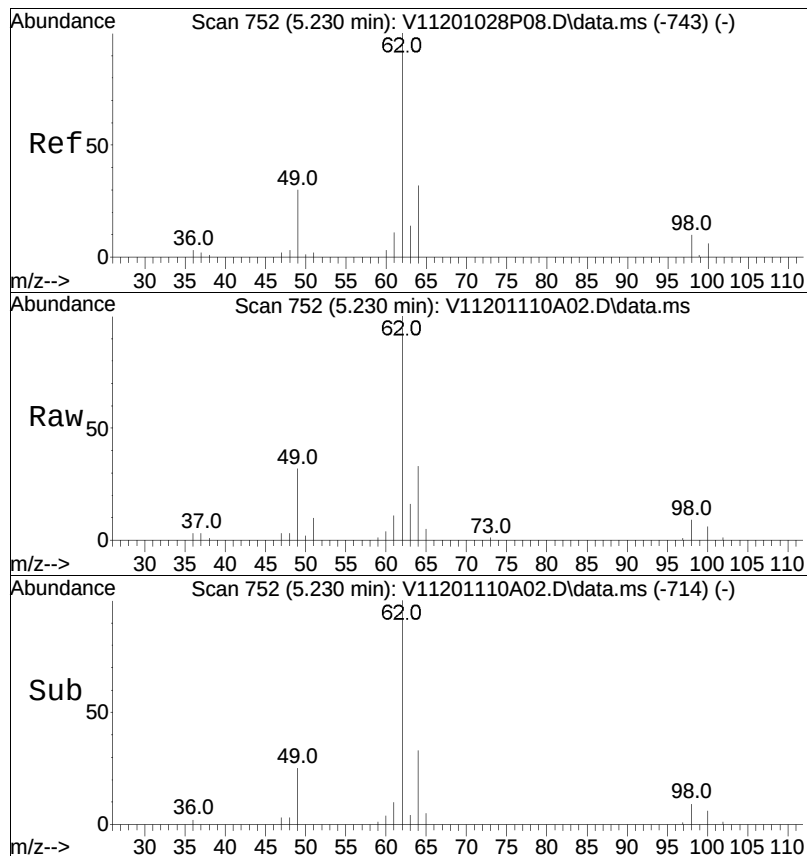




#41
Benzene
Concen: 45.06 ug/L
RT: 5.036 min Scan# 715
Delta R.T. 0.000 min
Lab File: V11201110A02.D
Acq: 10 Nov 2020 06:21 am

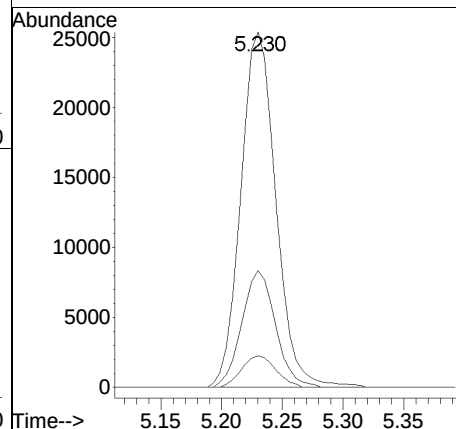
Tgt Ion: 78	Resp: 149079
Ion Ratio	Lower Upper
78 100	
77 23.7	15.1 31.3
51 18.4	15.8 32.8
52 17.1	15.6 32.4

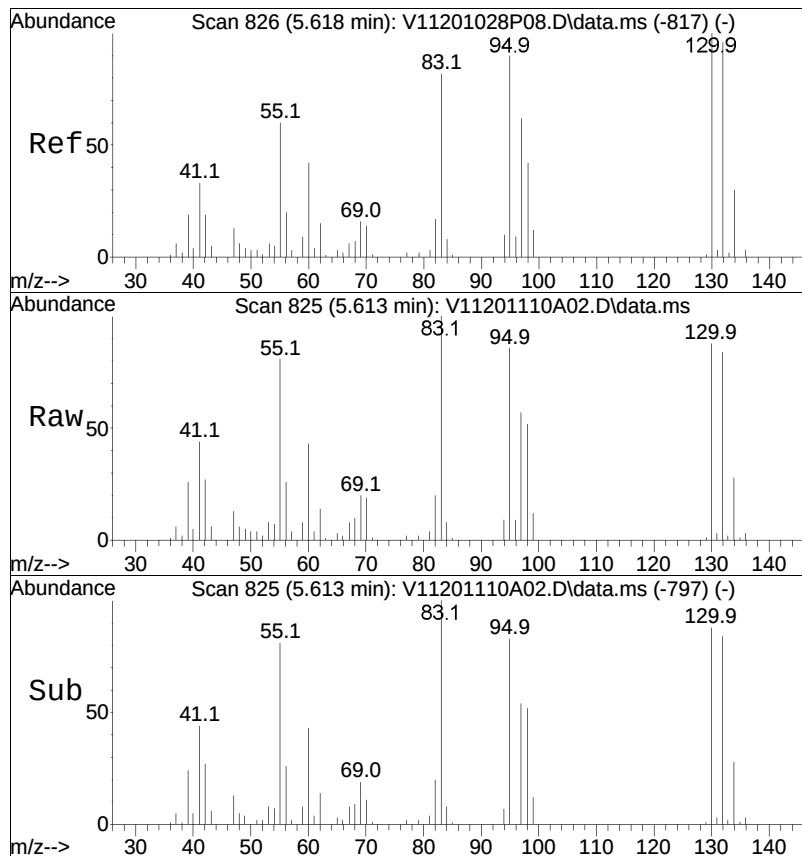




#44
 1,2-Dichloroethane
 Concen: 42.94 ug/L
 RT: 5.230 min Scan# 752
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

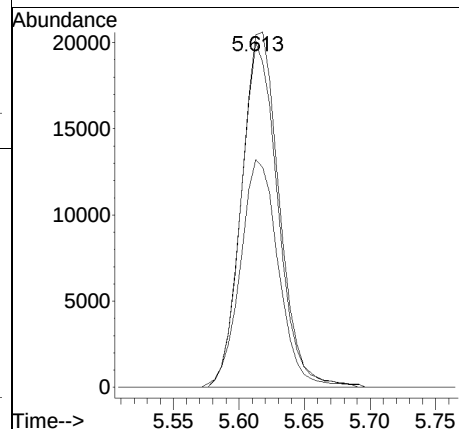
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	11.1	51.1
98	8.7	0.0	28.0

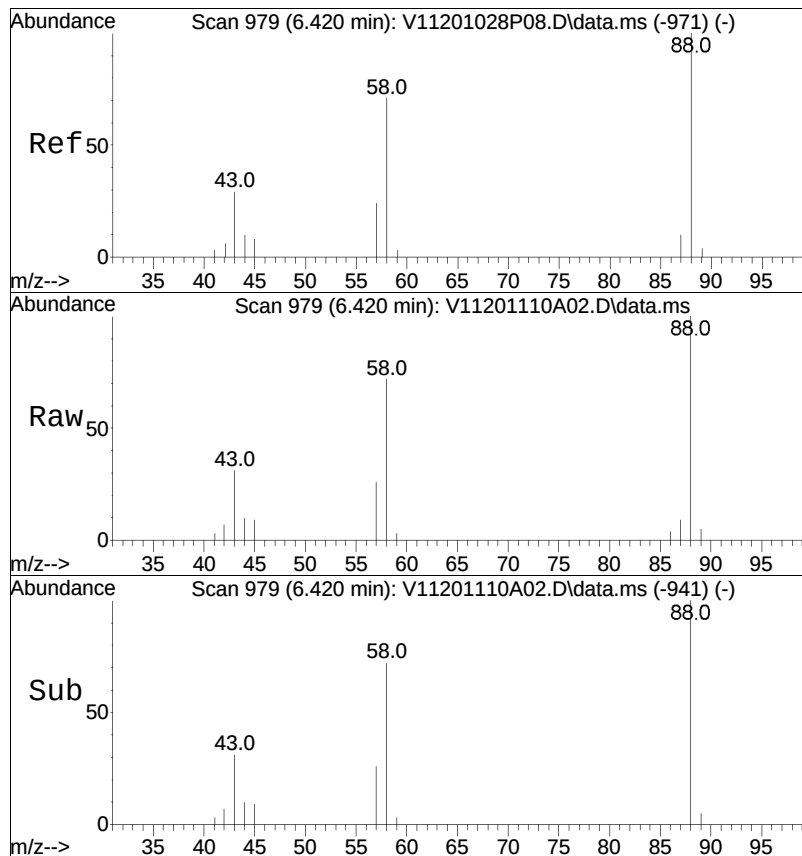




#48
 Trichloroethene
 Concen: 46.37 ug/L
 RT: 5.613 min Scan# 825
 Delta R.T. -0.005 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

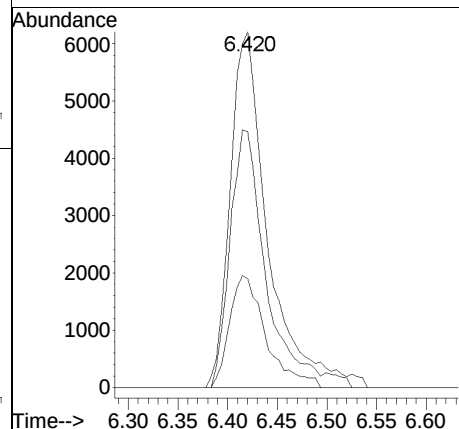
Tgt Ion:	95	Resp:	39070
Ion Ratio	Lower	Upper	
95	100		
97	68.8	54.3	81.5
130	105.5	84.6	126.8

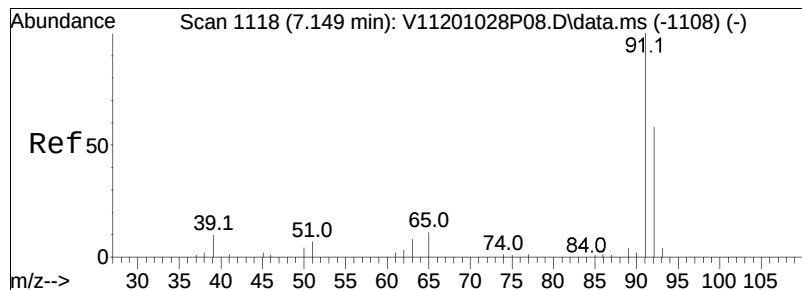




#57
 1,4-Dioxane
 Concen: 2017.44 ug/L
 RT: 6.420 min Scan# 979
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

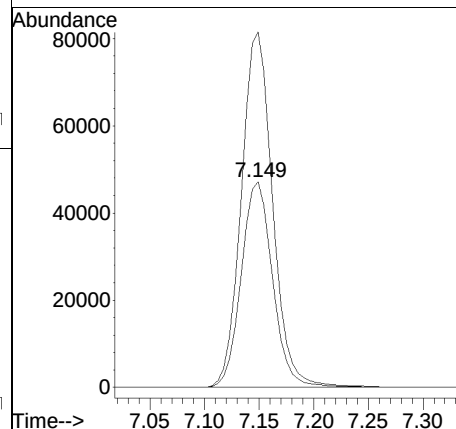
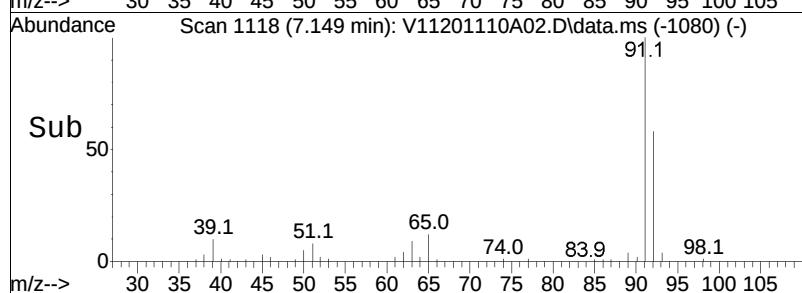
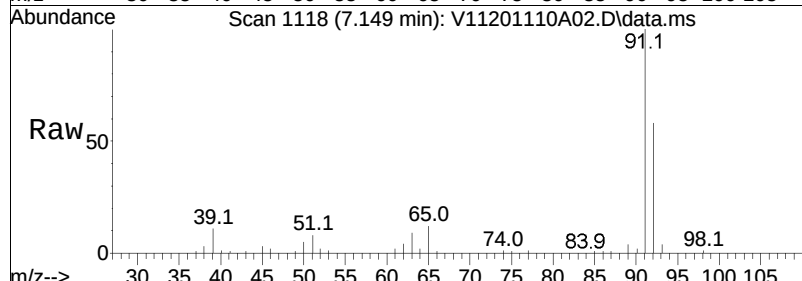
Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.0	75.4	113.0#
43	30.3	33.5	50.3#

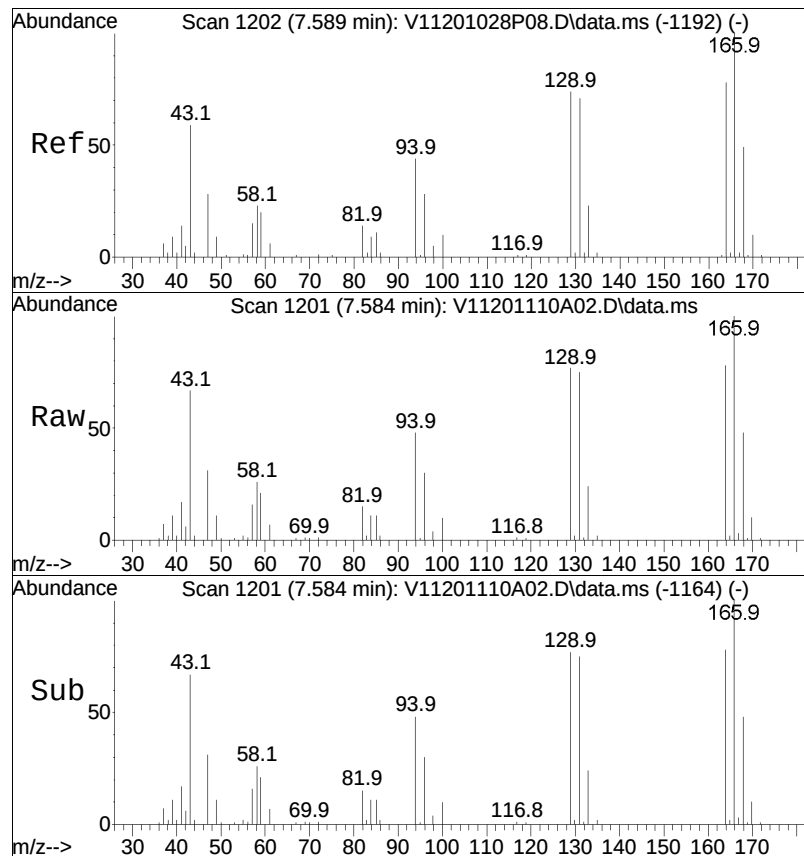




#61
Toluene
Concen: 41.52 ug/L
RT: 7.149 min Scan# 1118
Delta R.T. 0.000 min
Lab File: V11201110A02.D
Acq: 10 Nov 2020 06:21 am

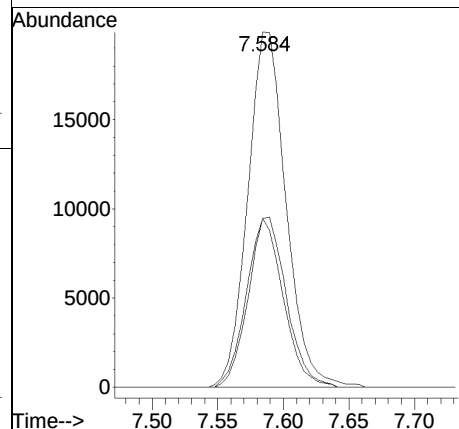
Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	133.7	200.5

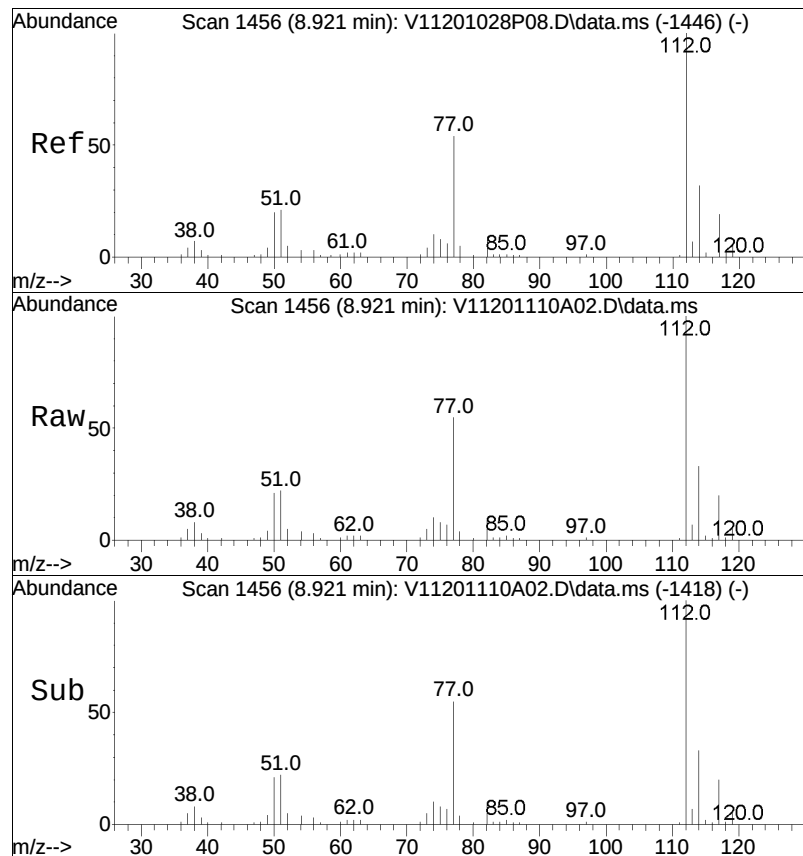




#63
 Tetrachloroethene
 Concen: 44.78 ug/L
 RT: 7.584 min Scan# 1201
 Delta R.T. -0.005 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

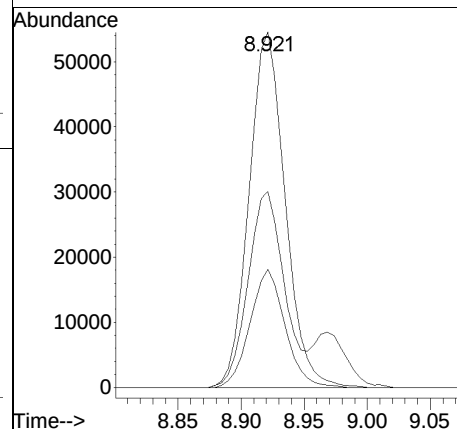
Tgt	Ion:166	Resp:	40495
Ion	Ratio	Lower	Upper
166	100		
168	47.5	28.2	68.2
94	45.9	26.3	66.3

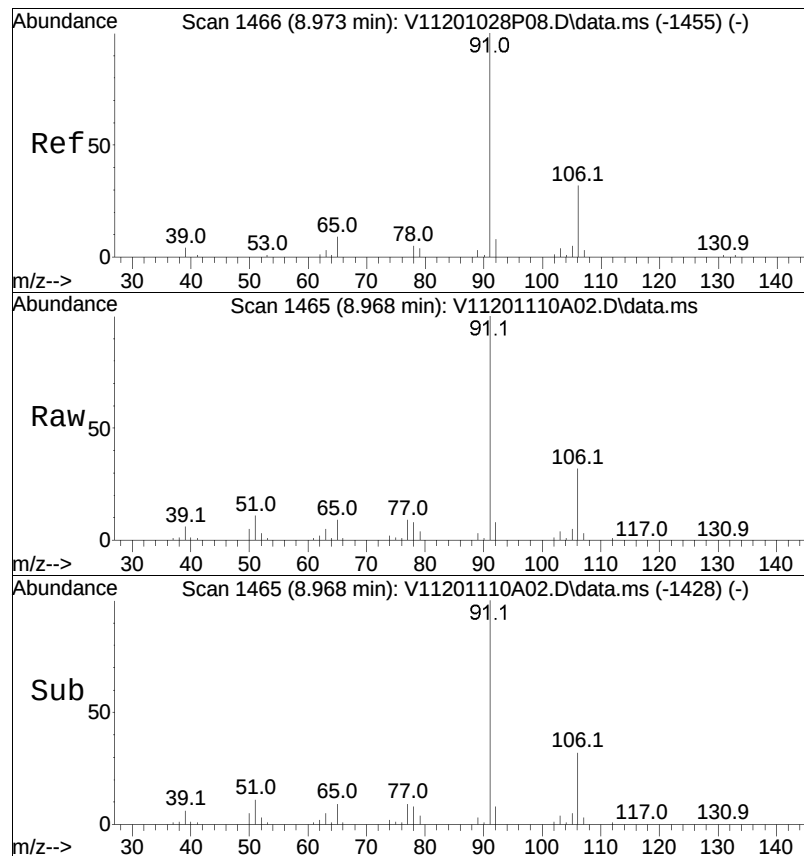




#73
 Chlorobenzene
 Concen: 41.56 ug/L
 RT: 8.921 min Scan# 1456
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

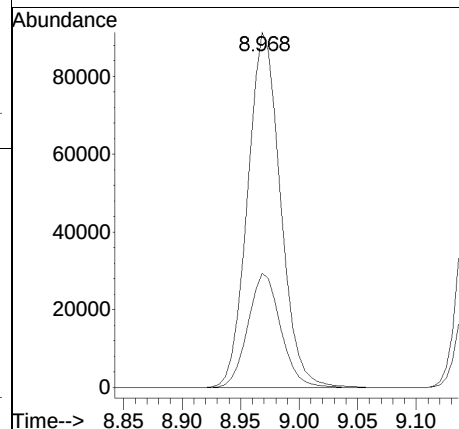
Tgt	Ion:112	Resp:	108504
Ion	Ratio	Lower	Upper
112	100		
77	56.1	47.0	70.4
114	32.2	25.9	38.9

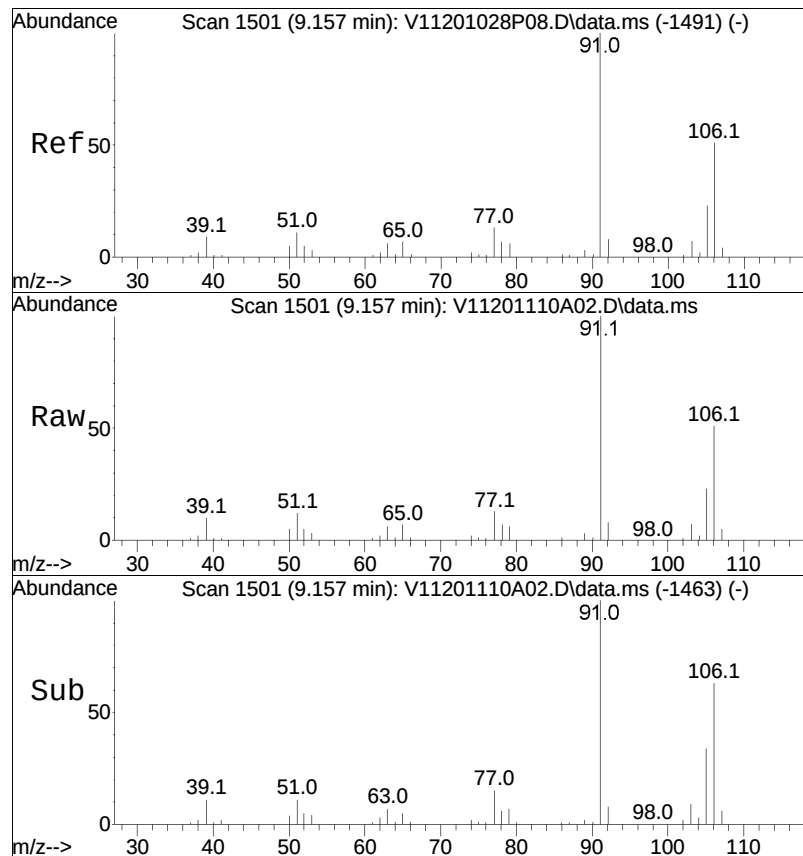




#74
 Ethylbenzene
 Concen: 42.48 ug/L
 RT: 8.968 min Scan# 1465
 Delta R.T. -0.005 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

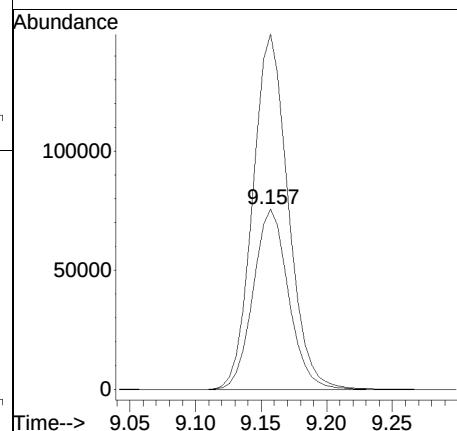
Tgt	Ion	Resp	Lower	Upper
91	100	177779		
106	32.0	25.0	37.4	

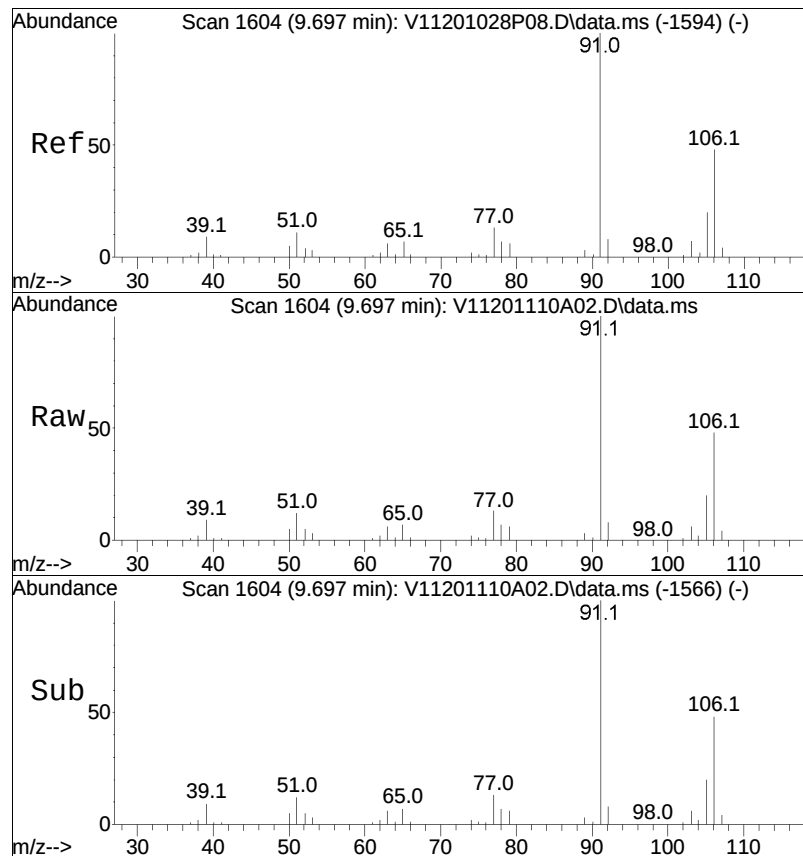




#76
 p/m Xylene
 Concen: 89.01 ug/L
 RT: 9.157 min Scan# 1501
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

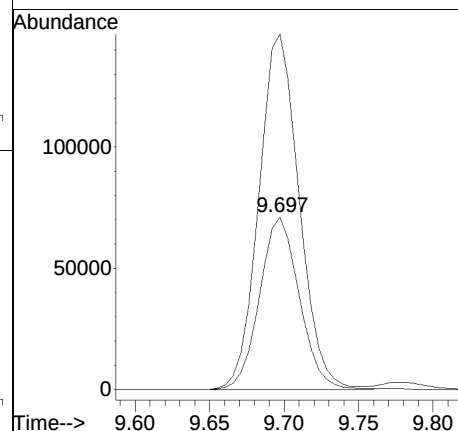
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	197.3	159.3	238.9	

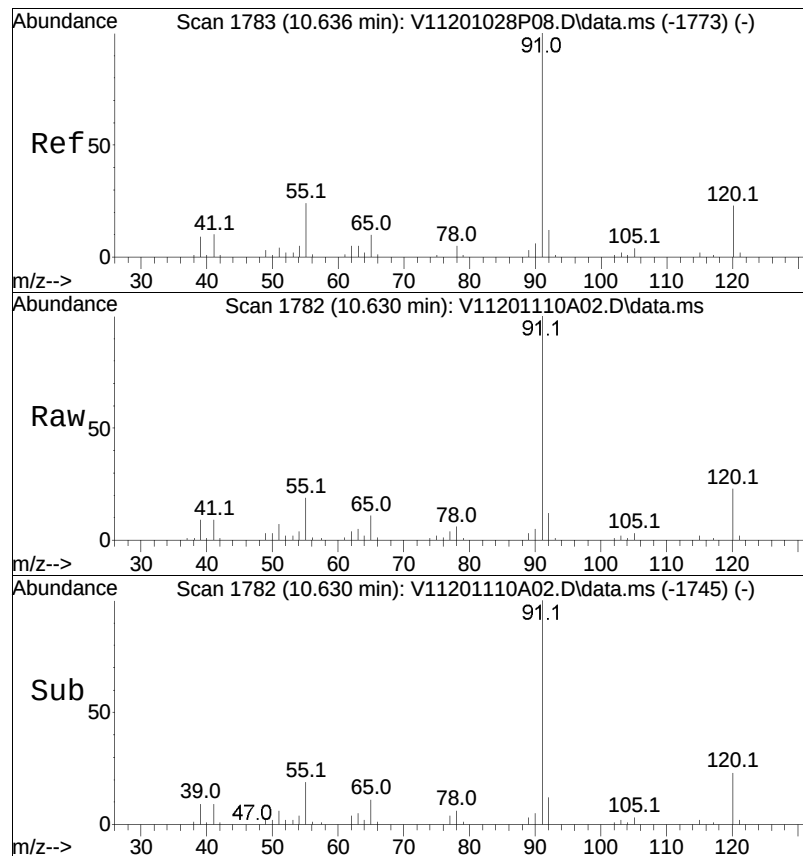




#77
o Xylene
Concen: 88.40 ug/L
RT: 9.697 min Scan# 1604
Delta R.T. 0.000 min
Lab File: V11201110A02.D
Acq: 10 Nov 2020 06:21 am

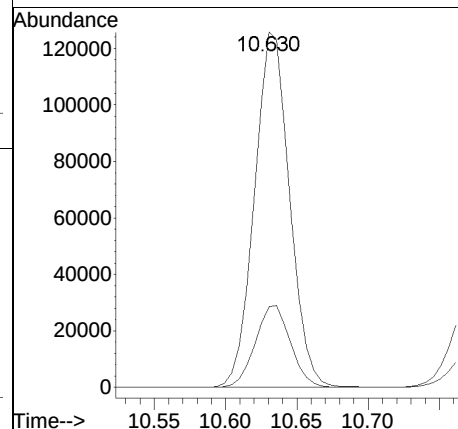
Tgt Ion	106	91	Ratio	100	Resp	131724	Lower	Upper

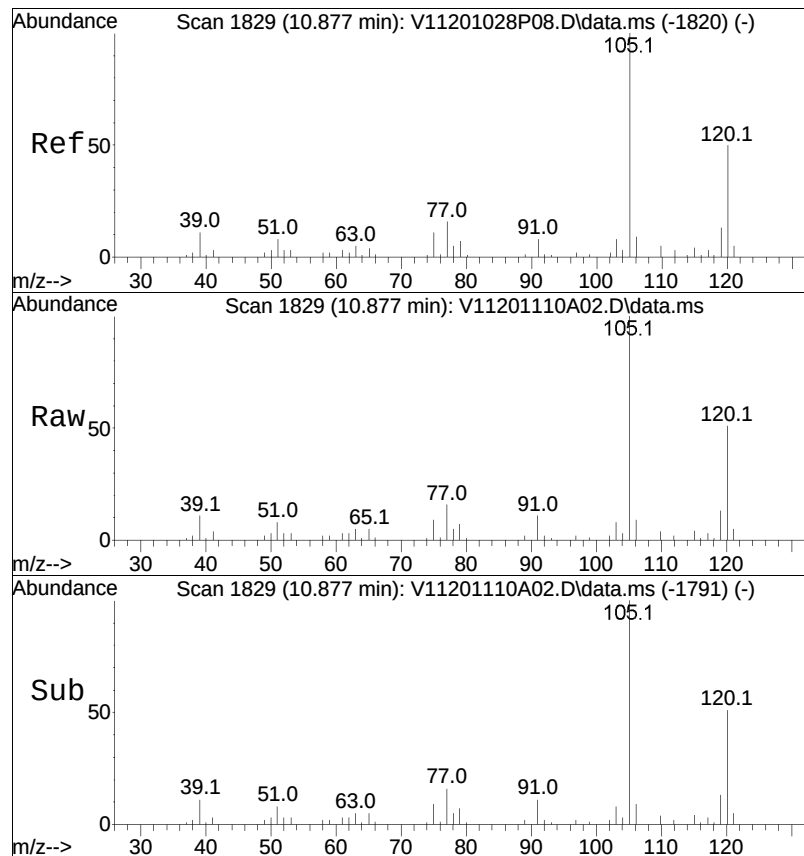




#85
 n-Propylbenzene
 Concen: 41.40 ug/L
 RT: 10.630 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

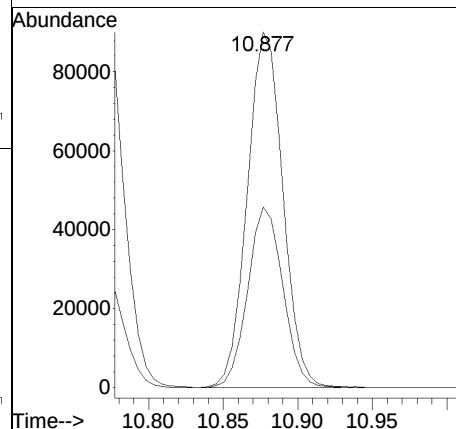
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	18.6	27.8

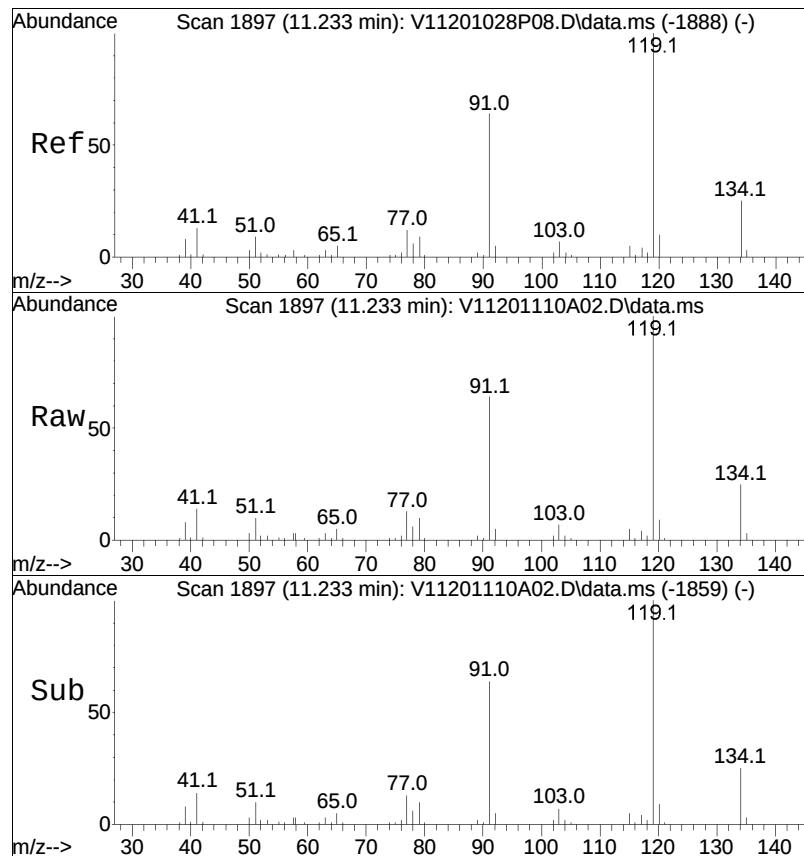




#90
 1,3,5-Trimethylbenzene
 Concen: 41.78 ug/L
 RT: 10.877 min Scan# 1829
 Delta R.T. -0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

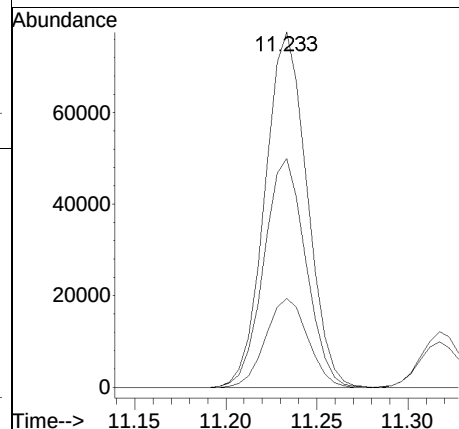
Tgt Ion:105 Resp: 149504
 Ion Ratio Lower Upper
 105 100
 120 50.1 39.8 59.8

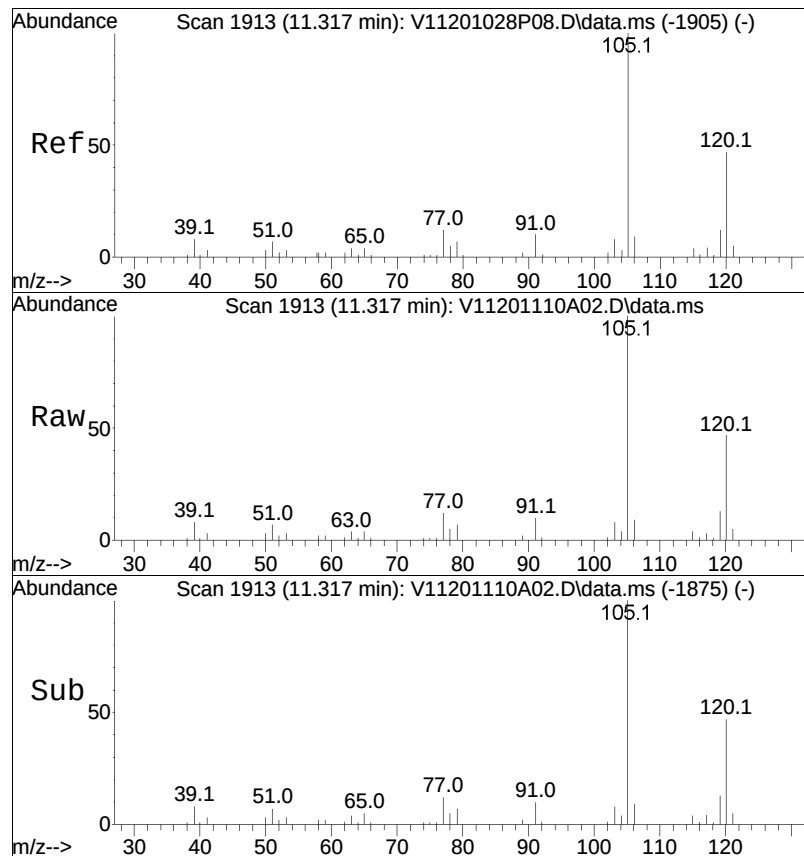




#94
 tert-Butylbenzene
 Concen: 41.03 ug/L
 RT: 11.233 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

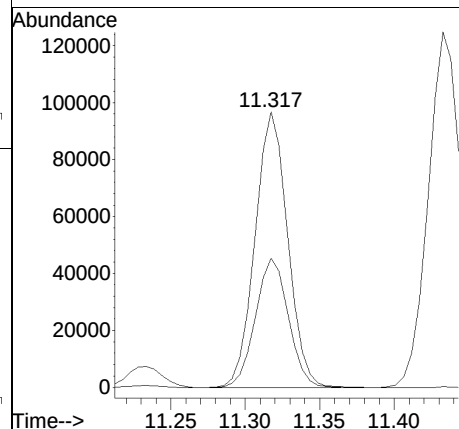
Tgt	Ion	Ratio	Lower	Upper
119	100			
91	64.4	53.0	79.4	
134	25.1	19.8	29.6	

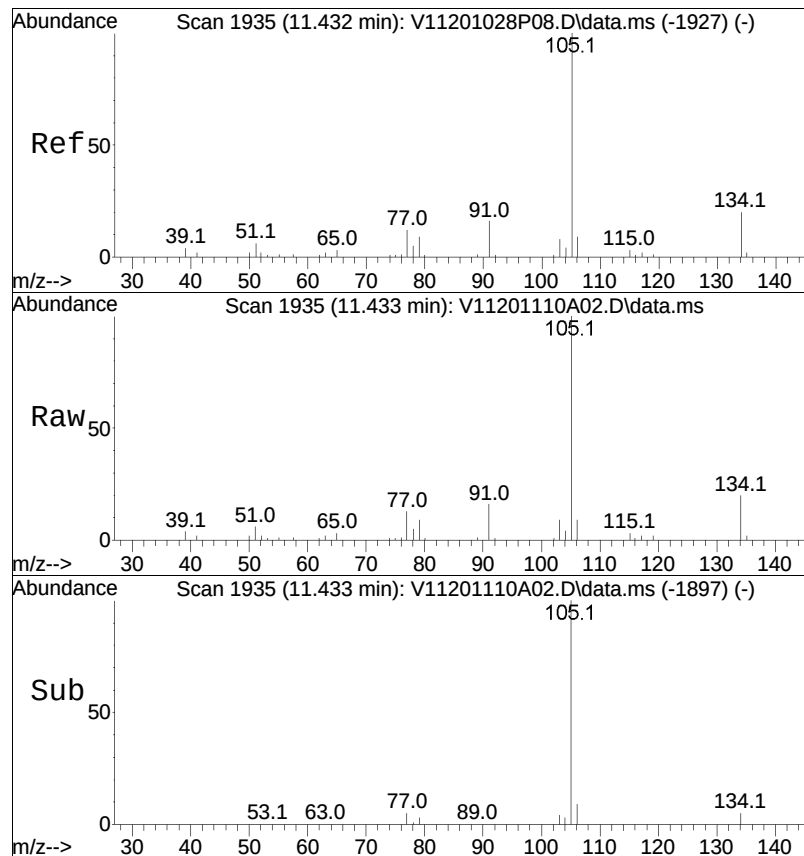




#97
 1,2,4-Trimethylbenzene
 Concen: 42.36 ug/L
 RT: 11.317 min Scan# 1913
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

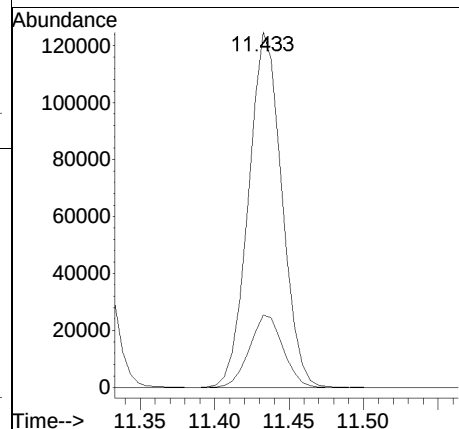
Tgt Ion:105 Resp: 147143
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.4 56.0

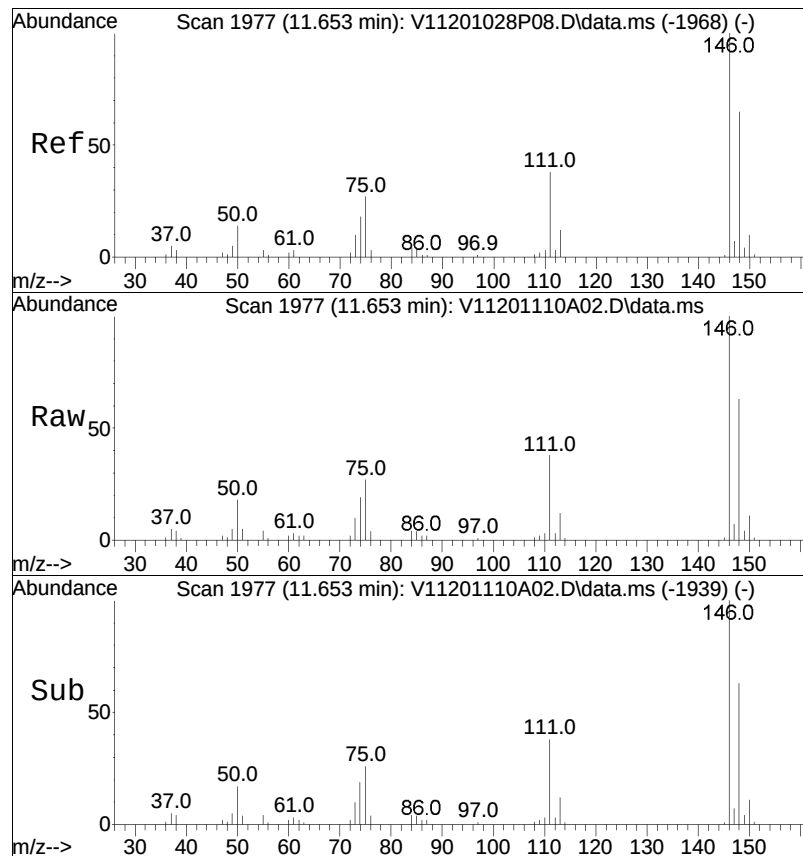




#98
 sec-Butylbenzene
 Concen: 42.00 ug/L
 RT: 11.433 min Scan# 1935
 Delta R.T. 0.001 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

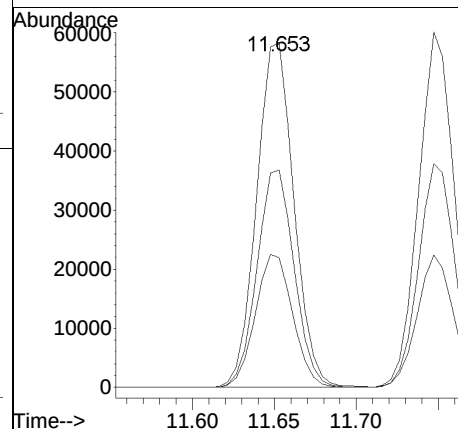
Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.5	13.2	27.4

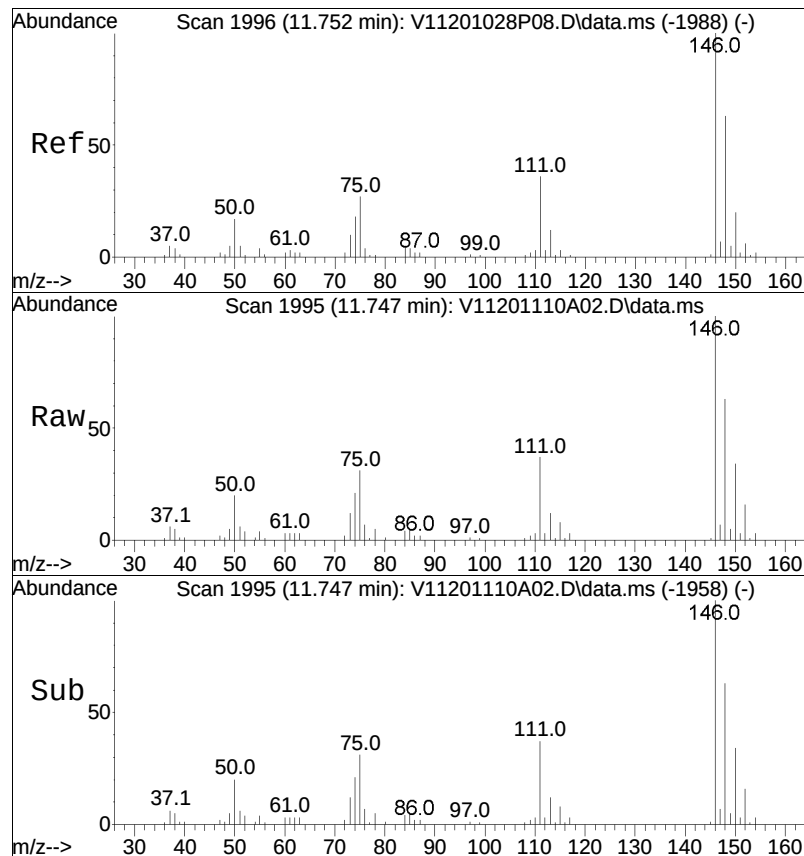




#100
 1,3-Dichlorobenzene
 Concen: 40.91 ug/L
 RT: 11.653 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

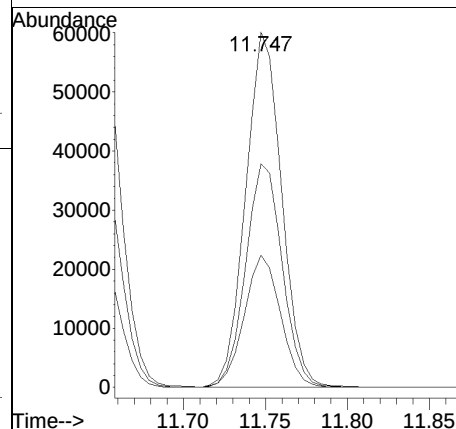
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	25.6	53.2
148	62.8	41.3	85.9

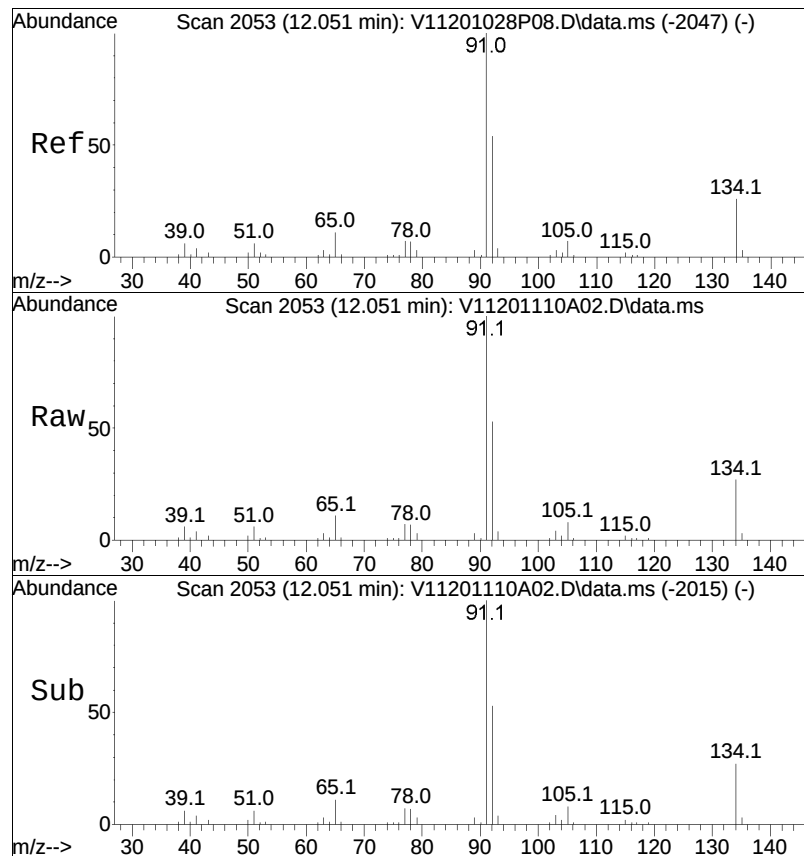




#101
 1,4-Dichlorobenzene
 Concen: 39.21 ug/L
 RT: 11.747 min Scan# 1995
 Delta R.T. -0.005 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

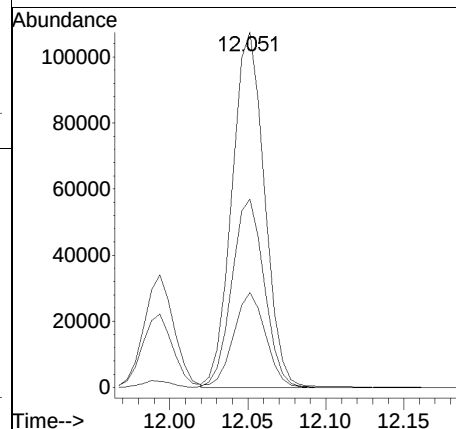
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	31.4	47.0
148	64.0	50.7	76.1

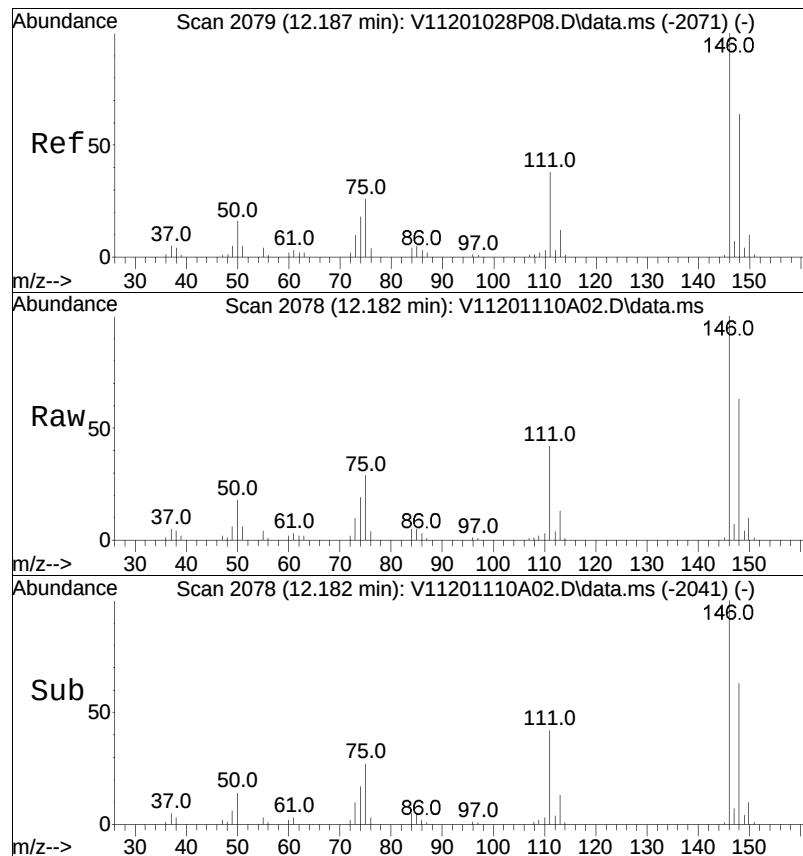




#103
 n-Butylbenzene
 Concen: 43.84 ug/L
 RT: 12.051 min Scan# 2053
 Delta R.T. 0.000 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

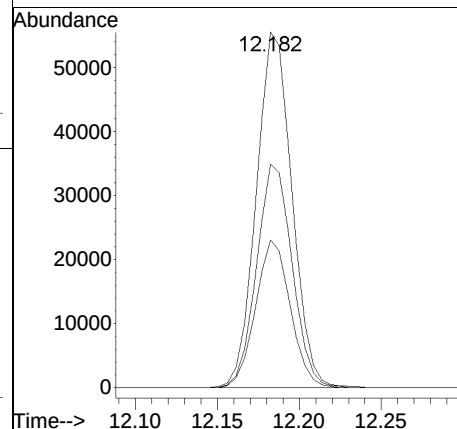
Tgt Ion:	91	Resp:	155854
Ion Ratio	Lower	Upper	
91	100		
92	52.9	43.3	64.9
134	26.2	21.4	32.0





#104
 1,2-Dichlorobenzene
 Concen: 39.85 ug/L
 RT: 12.182 min Scan# 2078
 Delta R.T. -0.005 min
 Lab File: V11201110A02.D
 Acq: 10 Nov 2020 06:21 am

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	26.9	55.9
148	62.7	41.2	85.6



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201110A02.D Operator : VOA111:MV
Date Inj'd : 11/10/2020 6:21 am Instrument : VOA111
Sample : WG1432524-4,31h,15,15,0.1 Quant Date : 11/10/2020 7:50 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A02.D
 Acq On : 08 Nov 2020 01:45 pm
 Operator : VOA111:AD
 Sample : WG1431978-4,31,5,5
 Misc : WG1431978,ICAL17294
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 18:43:56 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	97626	20.000	ug/L	0.00
Standard Area 1 = 95477			Recovery =	102.25%		
59) Chlorobenzene-d5	8.900	117	74508	20.000	ug/L	0.00
Standard Area 1 = 72006			Recovery =	103.47%		
79) 1,4-Dichlorobenzene-d4	11.731	152	39179	20.000	ug/L	0.00
Standard Area 1 = 38851			Recovery =	100.84%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	25257	20.302	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.51%		
43) 1,2-Dichloroethane-d4	5.167	65	24379	20.199	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.00%		
60) Toluene-d8	7.091	98	94714	19.744	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.72%		
83) 4-Bromofluorobenzene	10.452	95	32228	19.119	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.59%		
Target Compounds						
						Qvalue
4) Vinyl chloride	1.696	62	42659	41.227	ug/L	99
10) 1,1-Dichloroethene	2.598	96	30585	41.690	ug/L	83
15) Methylene chloride	3.086	84	38077	40.718	ug/L	71
17) Acetone	3.122	43	7958	40.030	ug/L	95
18) trans-1,2-Dichloroethene	3.227	96	36970	43.153	ug/L	83
20) Methyl tert-butyl ether	3.316	73	91238	40.840	ug/L	87
23) 1,1-Dichloroethane	3.762	63	67441	43.343	ug/L	98
28) cis-1,2-Dichloroethene	4.250	96	41462	42.428	ug/L	83
32) Chloroform	4.501	83	68599	42.701	ug/L	96
34) Carbon tetrachloride	4.627	117	54001	42.679	ug/L	98
37) 1,1,1-Trichloroethane	4.685	97	58889	45.804	ug/L	97
39) 2-Butanone	4.774	43	13625	41.757	ug/L	# 79
41) Benzene	5.036	78	149108	44.000	ug/L	90
44) 1,2-Dichloroethane	5.230	62	50081	41.157	ug/L	99
48) Trichloroethene	5.613	95	39860	46.189	ug/L	100
57) 1,4-Dioxane	6.415	88	15826	1906.729	ug/L	# 75
61) Toluene	7.149	92	95129	41.230	ug/L	96
63) Tetrachloroethene	7.589	166	41479	45.055	ug/L	98
73) Chlorobenzene	8.921	112	110569	41.604	ug/L	97
74) Ethylbenzene	8.968	91	181651	42.631	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A02.D
 Acq On : 08 Nov 2020 01:45 pm
 Operator : VOA111:AD
 Sample : WG1431978-4,31,5,5
 Misc : WG1431978,ICAL17294
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 18:43:56 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201108A\V11201108A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	p/m Xylene	9.157	106	145395	89.506	ug/L	99
77)	o Xylene	9.697	106	135203	89.127	ug/L	97
85)	n-Propylbenzene	10.630	91	219949	41.344	ug/L	100
90)	1,3,5-Trimethylbenzene	10.877	105	154195	42.080	ug/L	99
94)	tert-Butylbenzene	11.233	119	129238	41.578	ug/L	97
97)	1,2,4-Trimethylbenzene	11.317	105	152132	42.772	ug/L	99
98)	sec-Butylbenzene	11.433	105	199484	42.239	ug/L	99
100)	1,3-Dichlorobenzene	11.653	146	94752	40.947	ug/L	99
101)	1,4-Dichlorobenzene	11.747	146	94732	39.445	ug/L	98
103)	n-Butylbenzene	12.051	91	157057	43.142	ug/L	100
104)	1,2-Dichlorobenzene	12.182	146	85097	39.543	ug/L	99

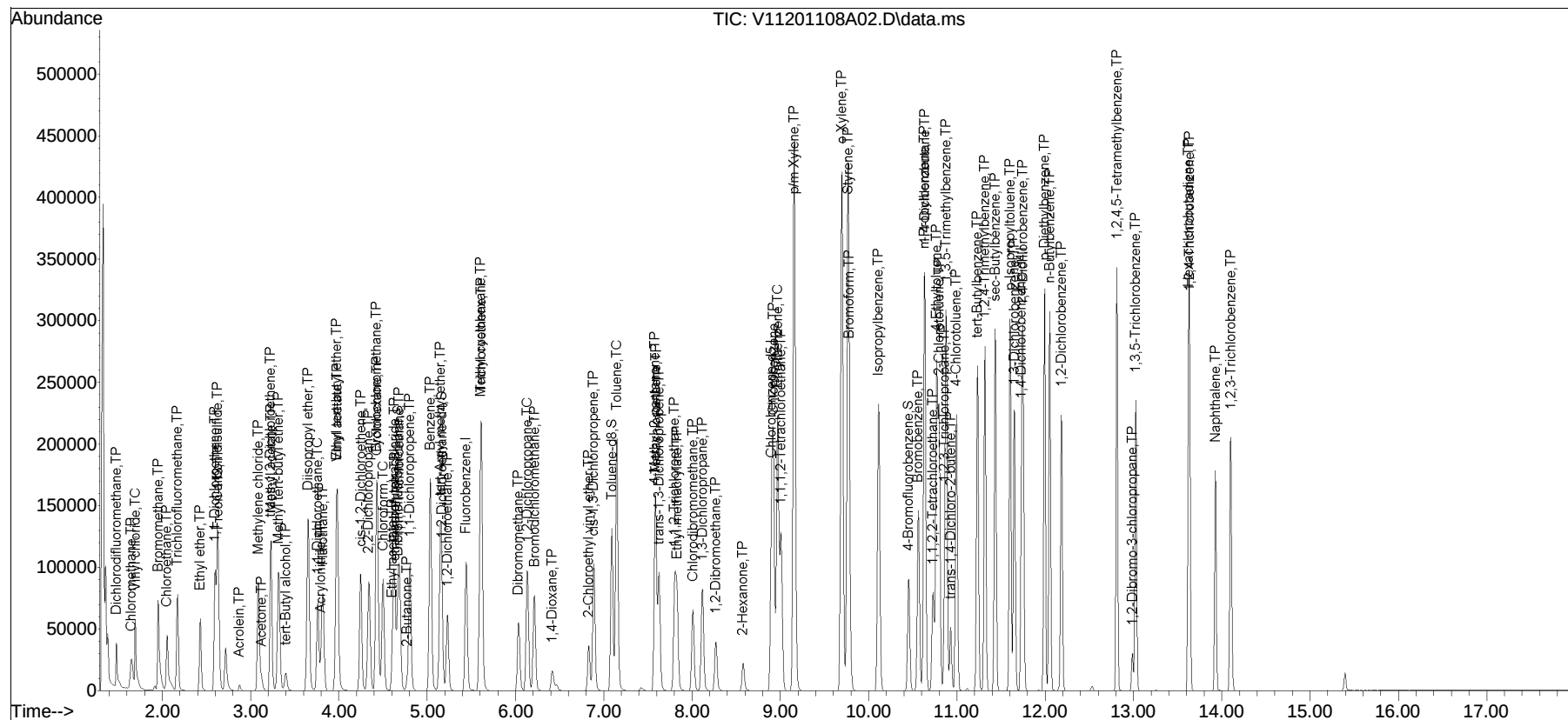
(#) = qualifier out of range (m) = manual integration (+) = signals summed

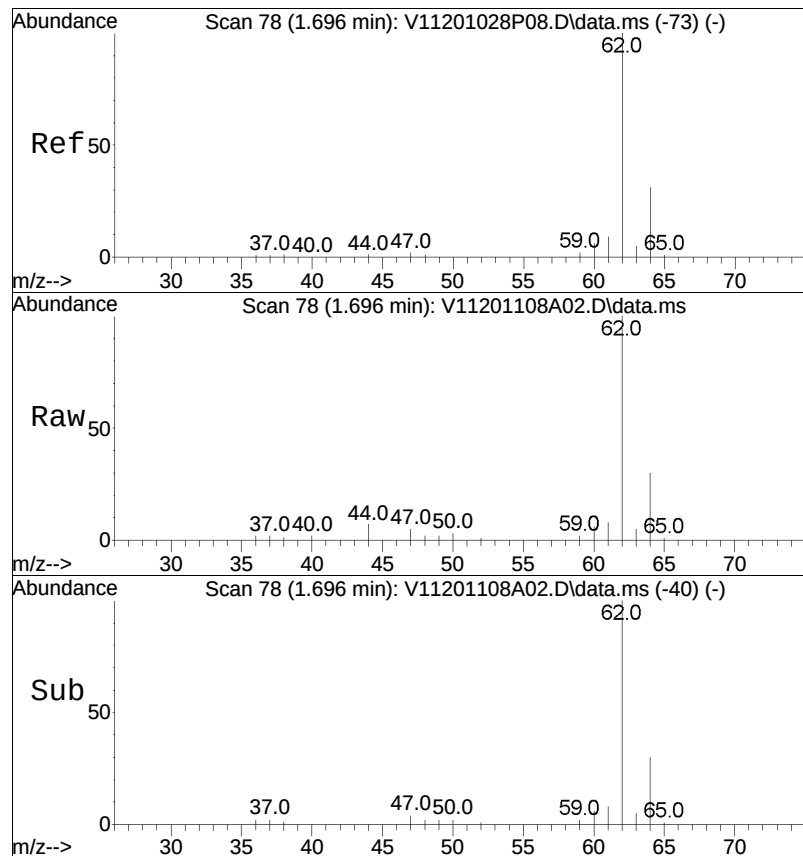
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201108A\
 Data File : V11201108A02.D
 Acq On : 08 Nov 2020 01:45 pm
 Operator : VOA111:AD
 Sample : WG1431978-4,31,5,5
 Misc : WG1431978,ICAL17294
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 18:43:56 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201108A\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

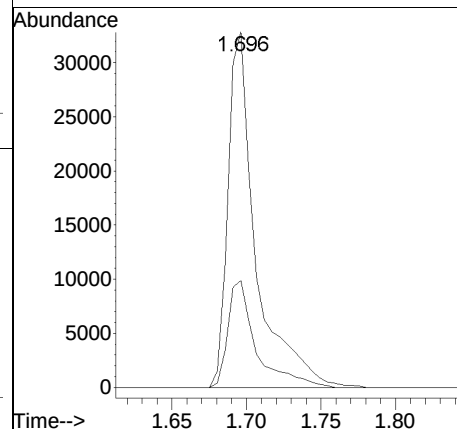
Sub List : 8260-CurveSoil - Megamix plus Diox8A\V11201108A01.D•

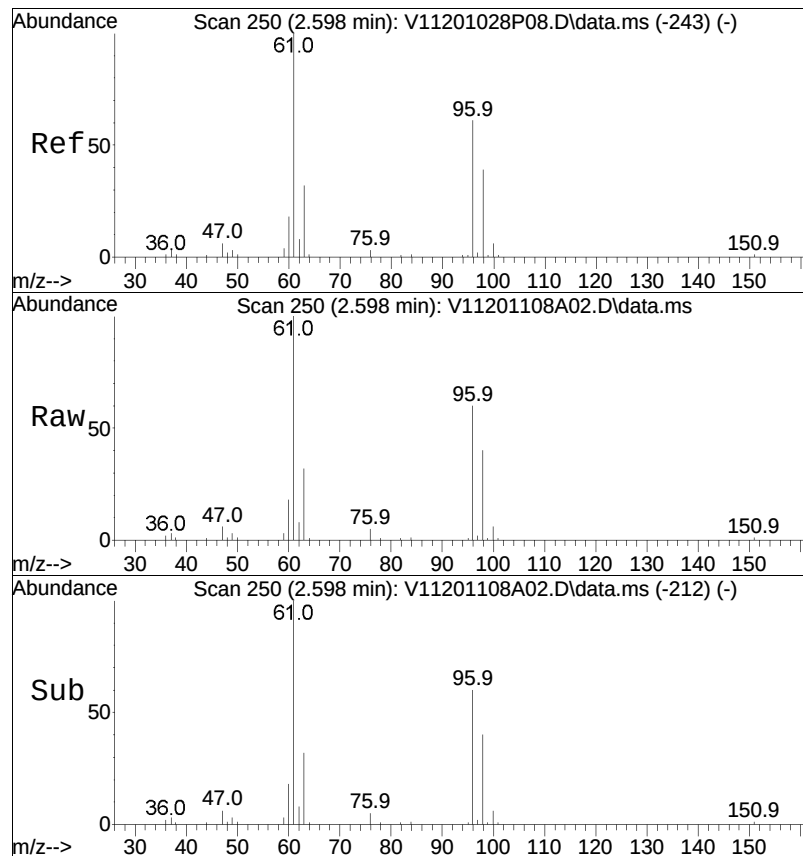




#4
 Vinyl chloride
 Concen: 41.23 ug/L
 RT: 1.696 min Scan# 78
 Delta R.T. 0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

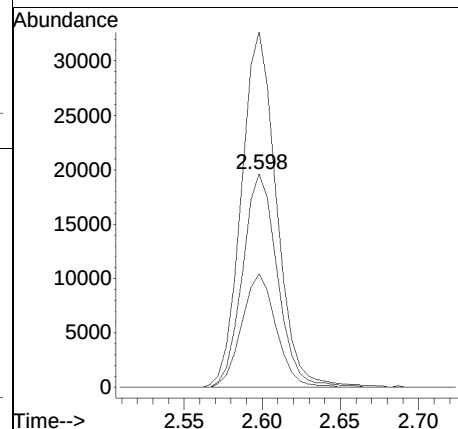
Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.6	9.9	49.9

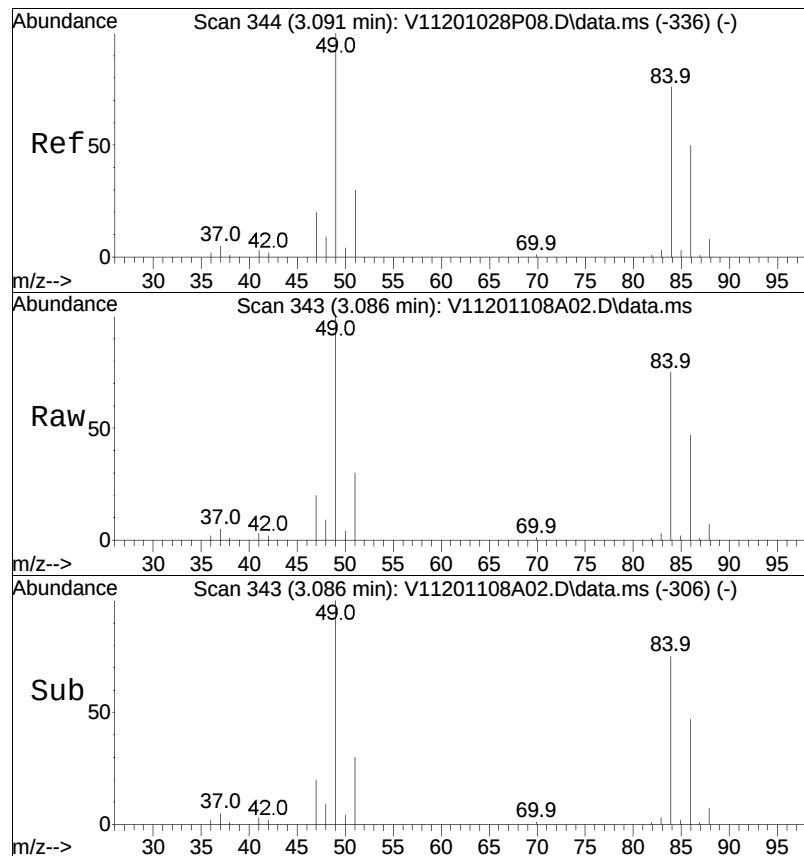




#10
 1,1-Dichloroethene
 Concen: 41.69 ug/L
 RT: 2.598 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

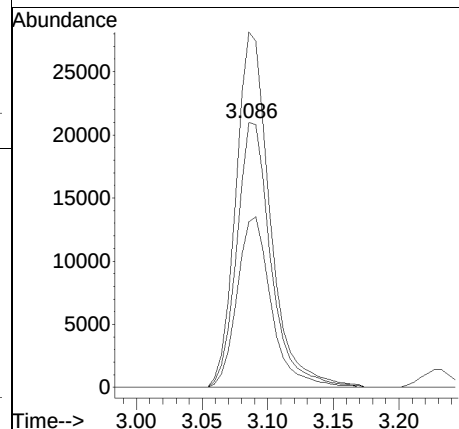
Tgt Ion:	96	Resp:	30585
Ion Ratio	Lower	Upper	
96	100		
61	168.0	157.7	236.5
63	52.6	47.9	71.9

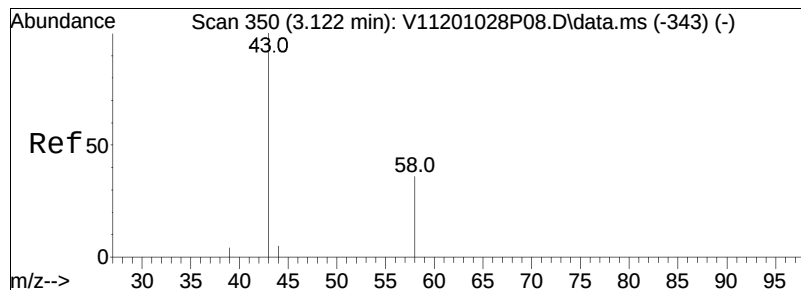




#15
 Methylene chloride
 Concen: 40.72 ug/L
 RT: 3.086 min Scan# 343
 Delta R.T. -0.005 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

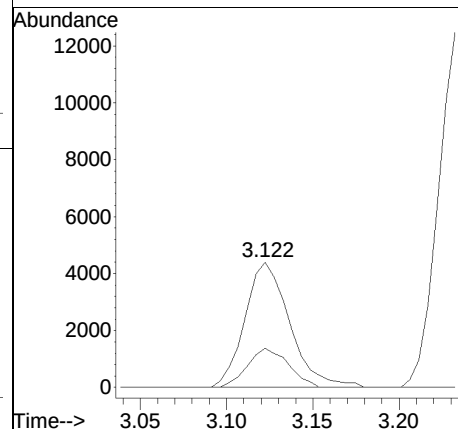
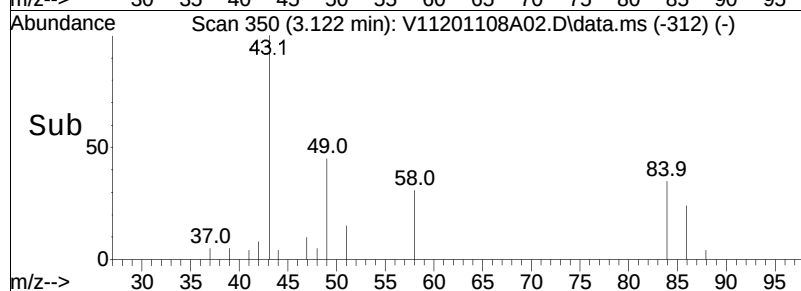
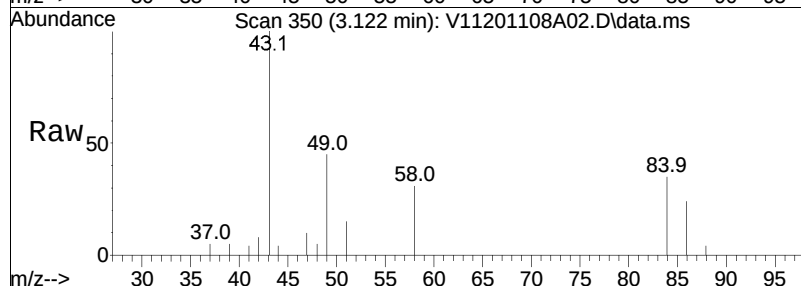
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	64.7	41.1	85.3	
49	134.3	124.2	258.0	

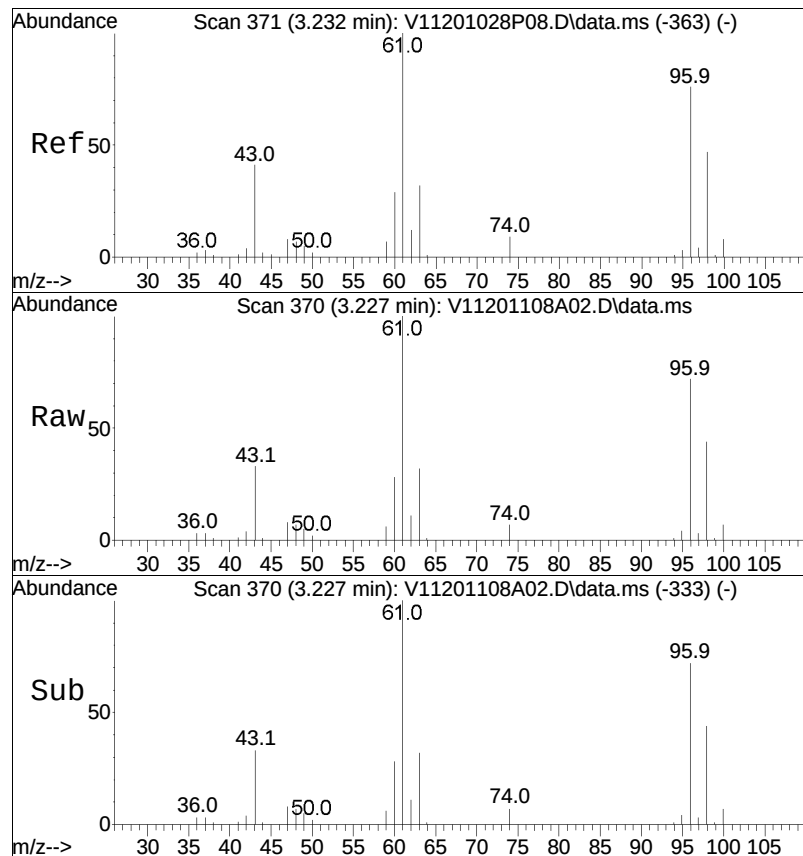




#17
Acetone
Concen: 40.03 ug/L
RT: 3.122 min Scan# 350
Delta R.T. 0.000 min
Lab File: V11201108A02.D
Acq: 08 Nov 2020 01:45 pm

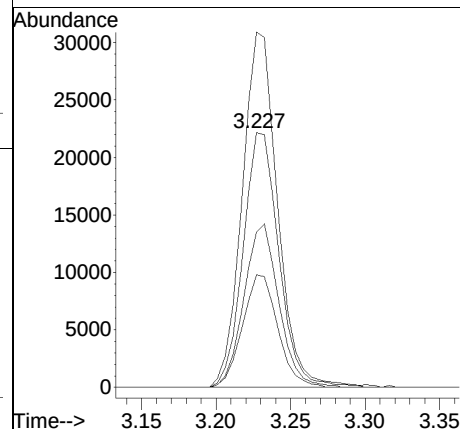
Tgt Ion: 43 Resp: 7958
Ion Ratio Lower Upper
43 100
58 28.5 20.8 31.2

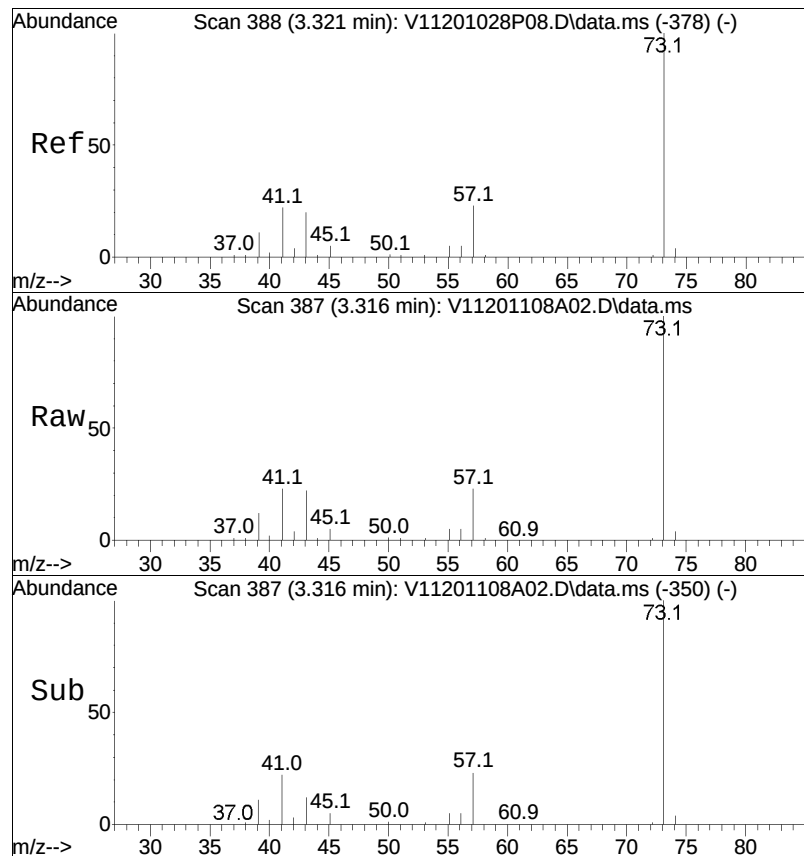




#18
 trans-1,2-Dichloroethene
 Concen: 43.15 ug/L
 RT: 3.227 min Scan# 370
 Delta R.T. -0.005 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

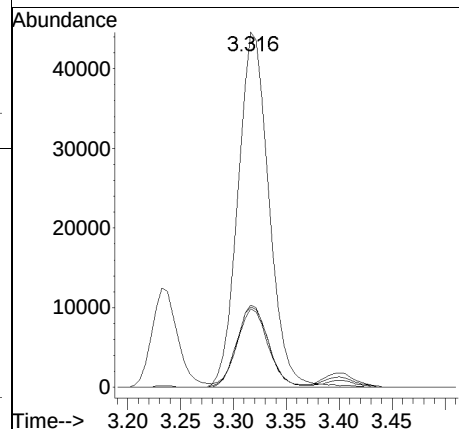
Tgt Ion:	96	Resp:	36970
Ion Ratio	Lower	Upper	
96	100		
61	138.4	111.1	230.8
98	62.7	41.8	86.8
63	43.7	33.3	69.1

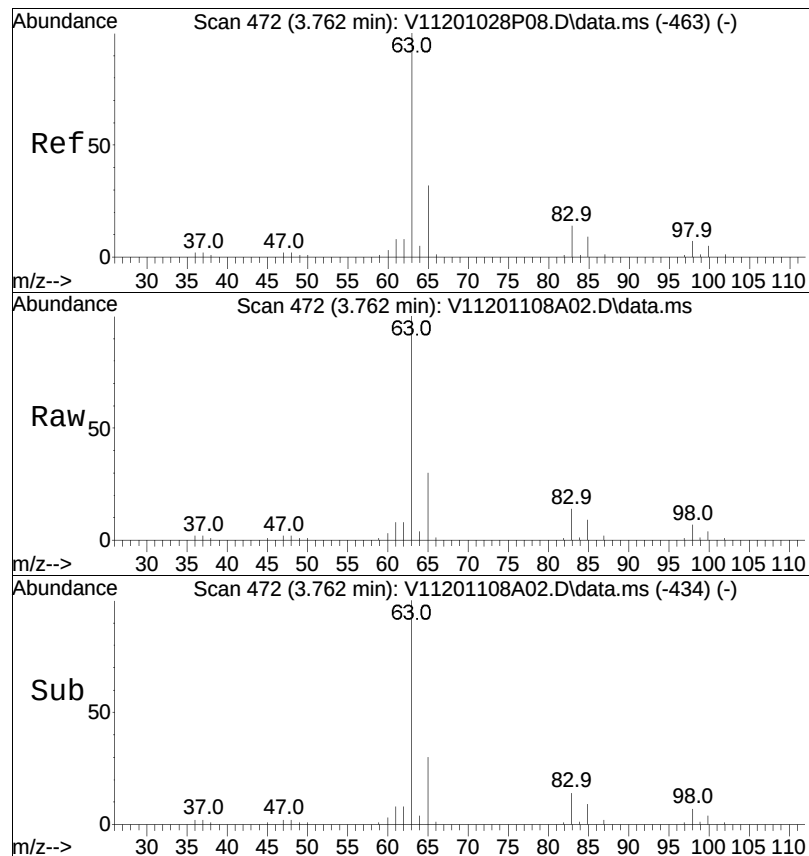




#20
 Methyl tert-butyl ether
 Concen: 40.84 ug/L
 RT: 3.316 min Scan# 387
 Delta R.T. -0.005 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

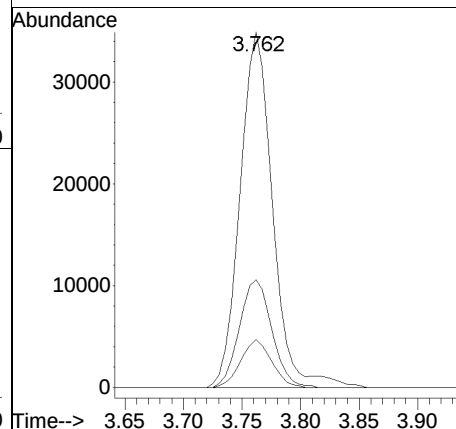
Tgt	Ion: 73	Resp:	91238
Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.6	40.6
43	22.5	18.5	38.3
41	23.5	20.3	42.1

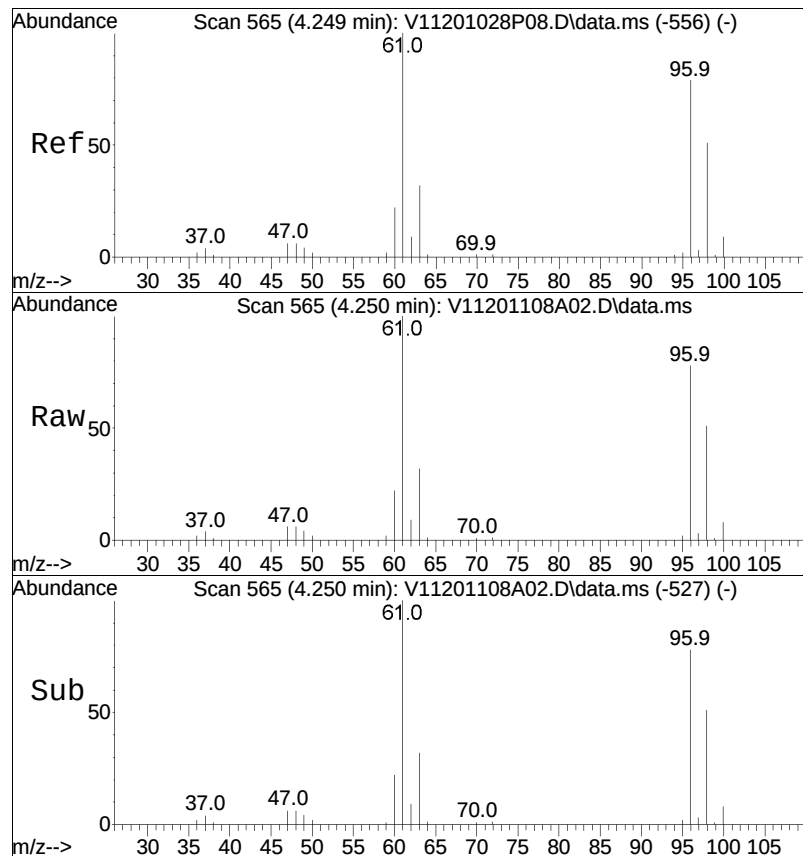




#23
 1,1-Dichloroethane
 Concen: 43.34 ug/L
 RT: 3.762 min Scan# 472
 Delta R.T. -0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

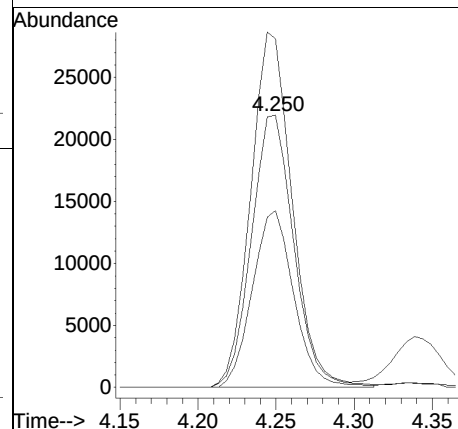
Tgt	Ion: 63	Resp:	67441
Ion	Ratio	Lower	Upper
63	100		
65	30.1	9.0	49.0
83	12.7	0.0	31.4

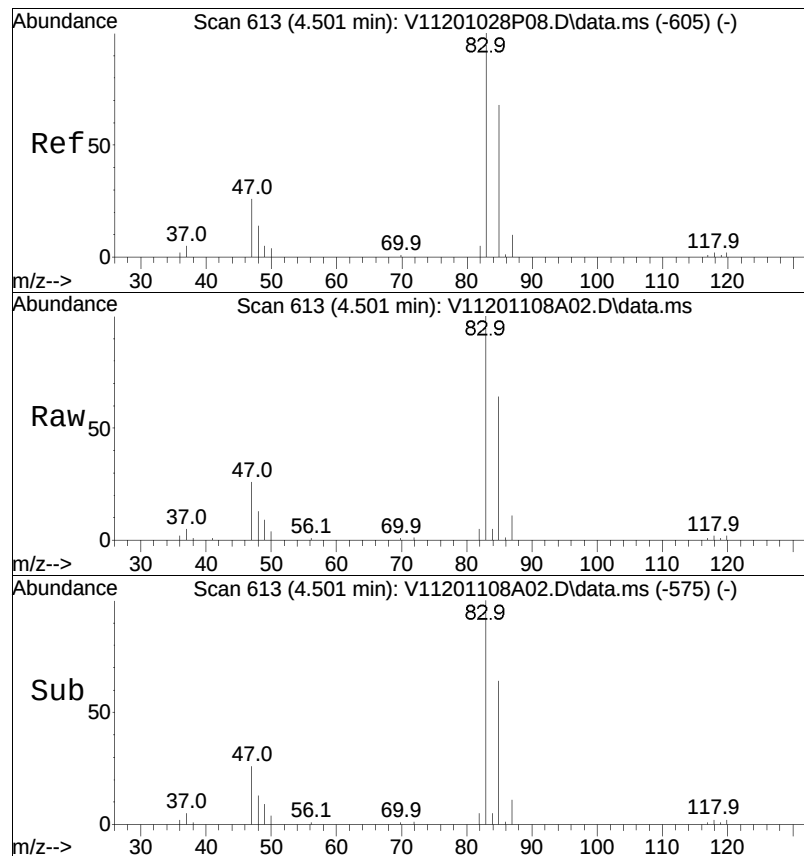




#28
 cis-1,2-Dichloroethene
 Concen: 42.43 ug/L
 RT: 4.250 min Scan# 565
 Delta R.T. 0.001 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

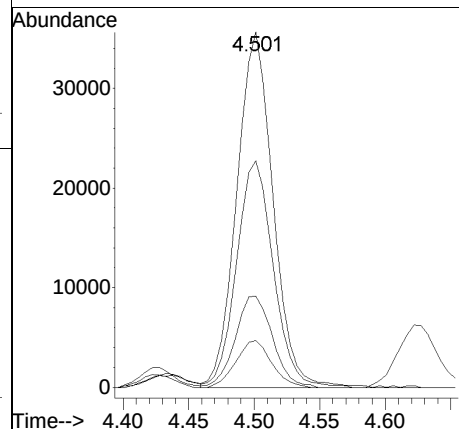
Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.1	126.3	189.5
98	63.7	51.0	76.6

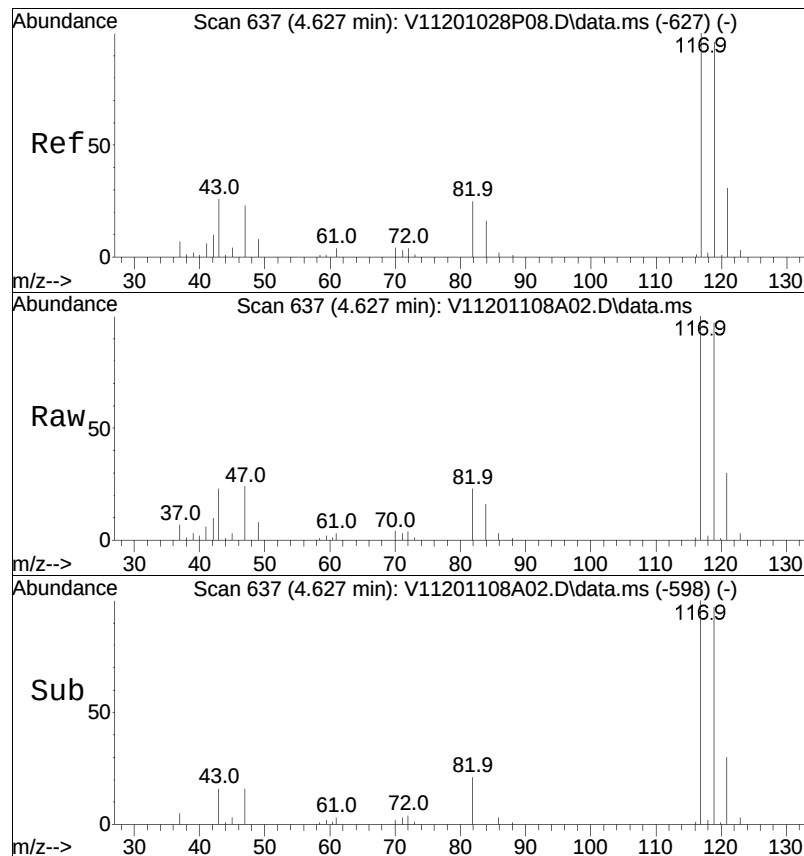




#32
 Chloroform
 Concen: 42.70 ug/L
 RT: 4.501 min Scan# 613
 Delta R.T. 0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

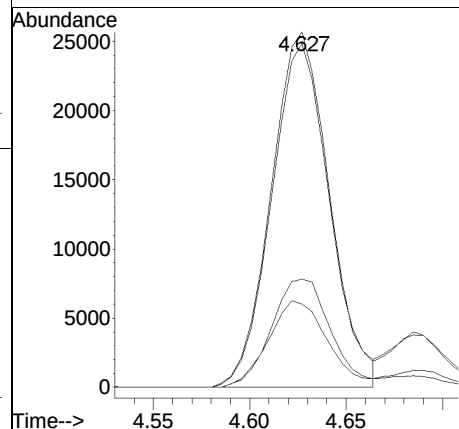
Tgt	Ion: 83	Resp:	68599
Ion	Ratio	Lower	Upper
83	100		
85	64.8	41.9	87.1
47	26.3	20.9	43.3
48	13.0	9.9	20.5

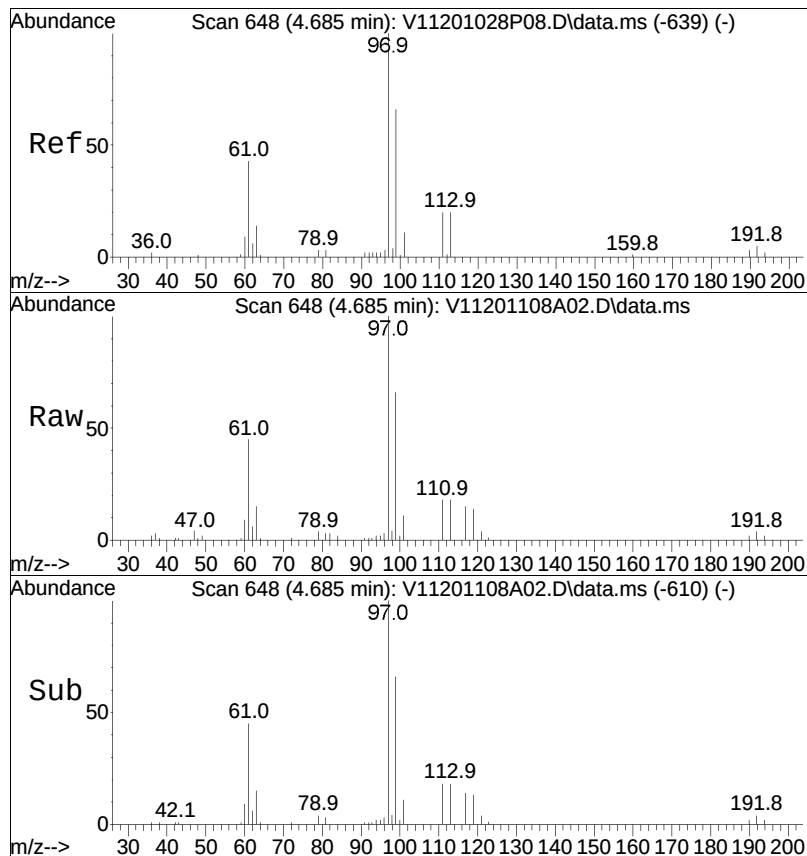




#34
 Carbon tetrachloride
 Concen: 42.68 ug/L
 RT: 4.627 min Scan# 637
 Delta R.T. 0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

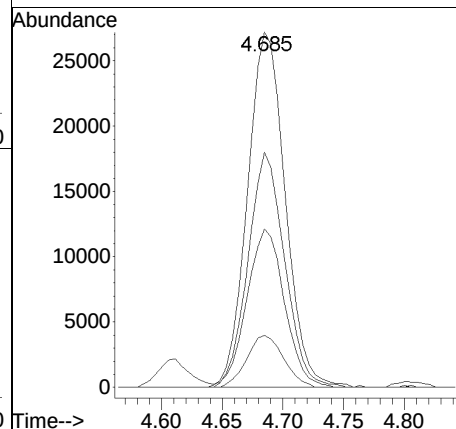
Tgt Ion:	117	Resp:	54001
Ion Ratio	Lower	Upper	
117	100		
119	96.1	64.0	132.8
121	31.0	20.7	42.9
82	24.7	16.3	33.8

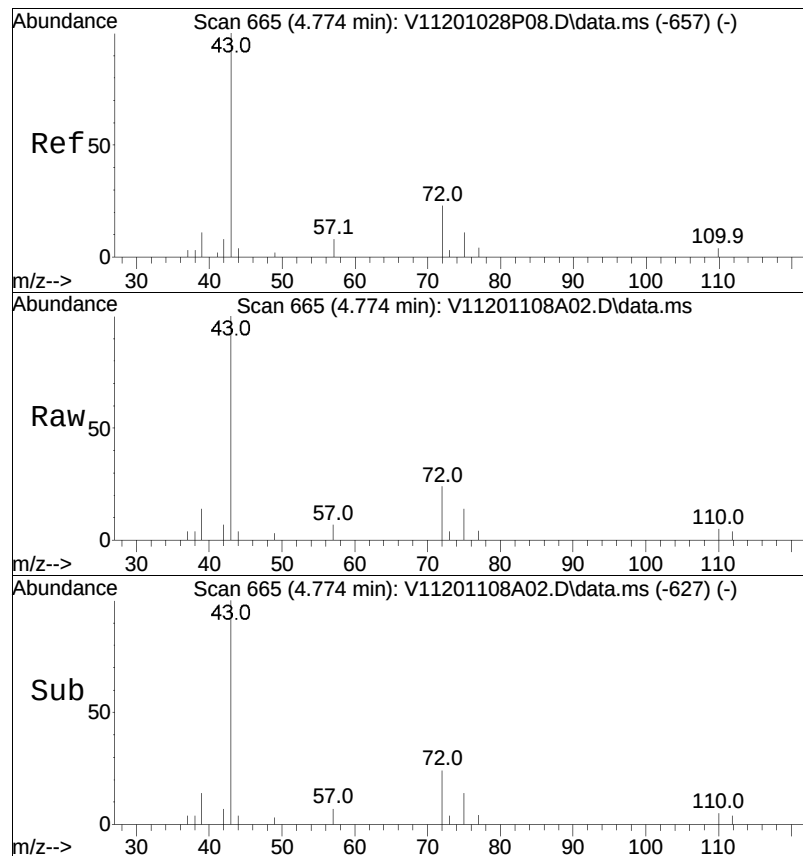




#37
 1,1,1-Trichloroethane
 Concen: 45.80 ug/L
 RT: 4.685 min Scan# 648
 Delta R.T. -0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

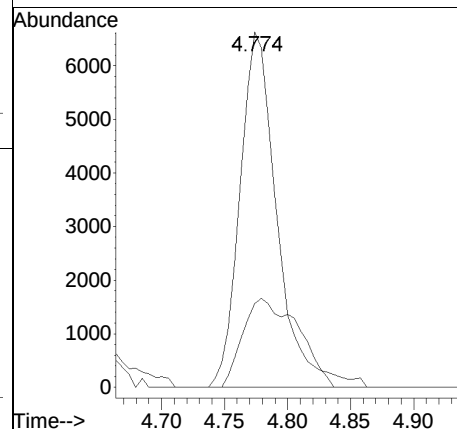
Tgt Ion:	97	Resp:	58889
Ion	Ratio	Lower	Upper
97	100		
99	64.1	41.5	86.1
61	44.5	32.2	67.0
63	14.3	10.1	20.9

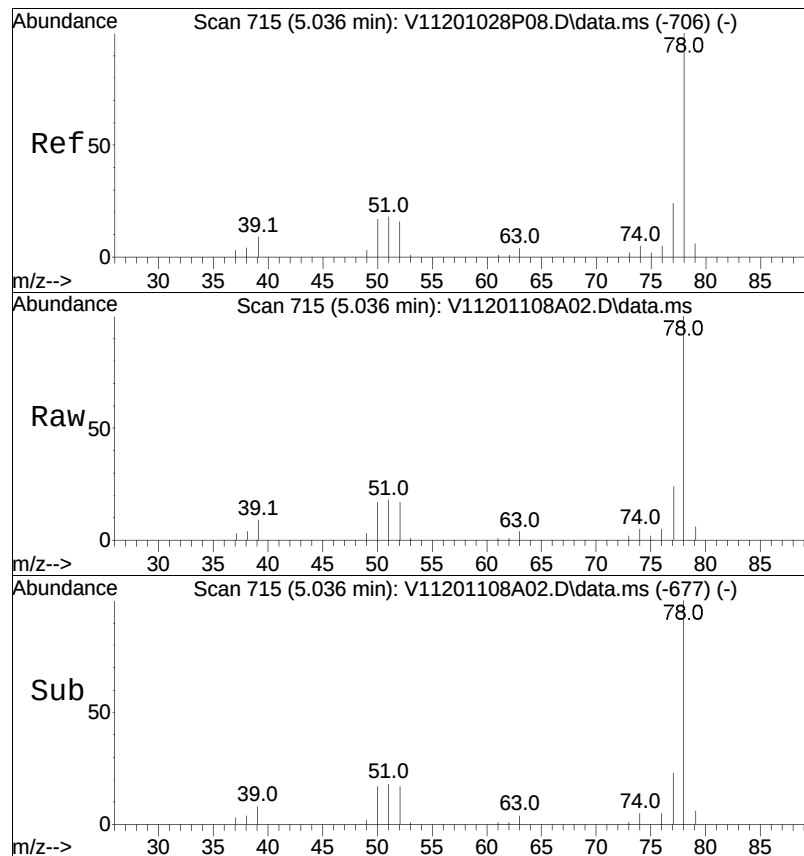




#39
 2-Butanone
 Concen: 41.76 ug/L
 RT: 4.774 min Scan# 665
 Delta R.T. -0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

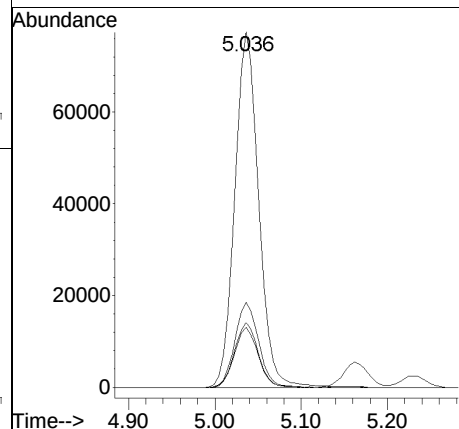
Tgt Ion: 43 Resp: 13625
 Ion Ratio Lower Upper
 43 100
 72 37.2 21.0 31.6#

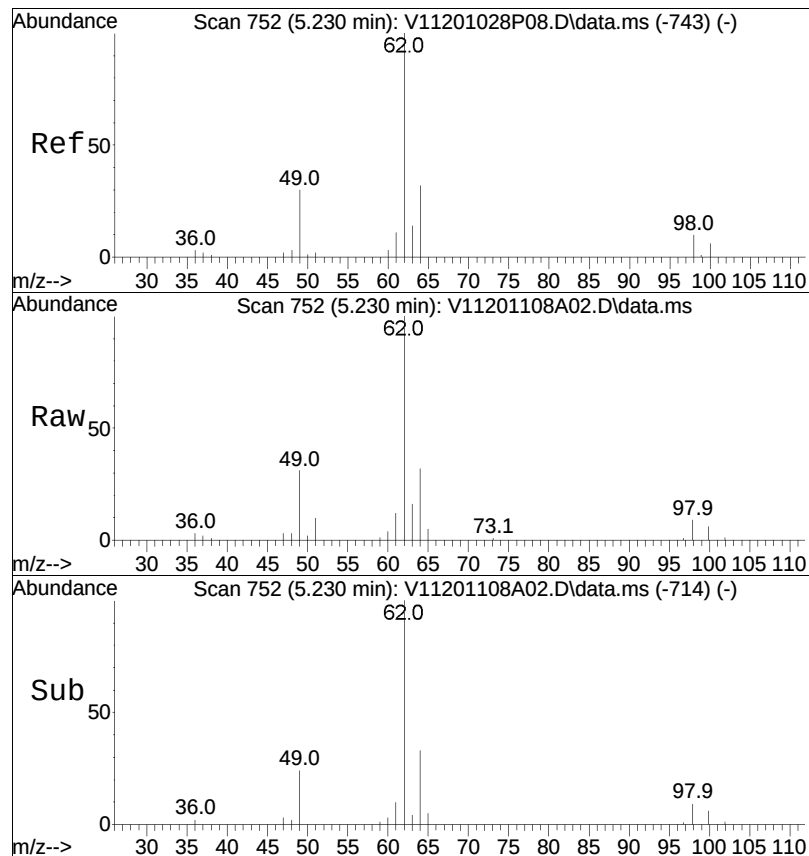




#41
Benzene
Concen: 44.00 ug/L
RT: 5.036 min Scan# 715
Delta R.T. 0.000 min
Lab File: V11201108A02.D
Acq: 08 Nov 2020 01:45 pm

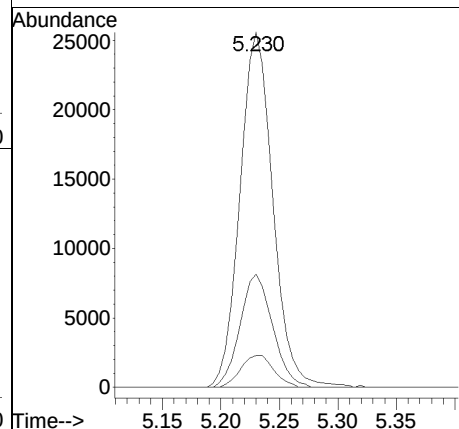
Tgt Ion:	78	Resp:	149108
Ion Ratio	Lower	Upper	
78	100		
77	23.8	15.1	31.3
51	18.0	15.8	32.8
52	16.7	15.6	32.4

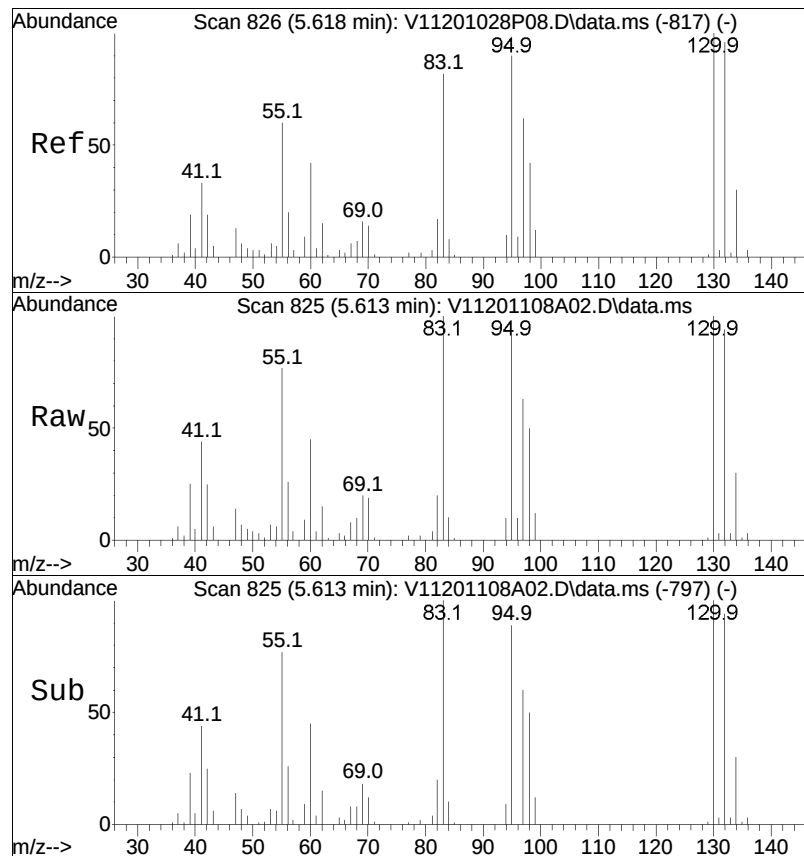




#44
 1,2-Dichloroethane
 Concen: 41.16 ug/L
 RT: 5.230 min Scan# 752
 Delta R.T. -0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

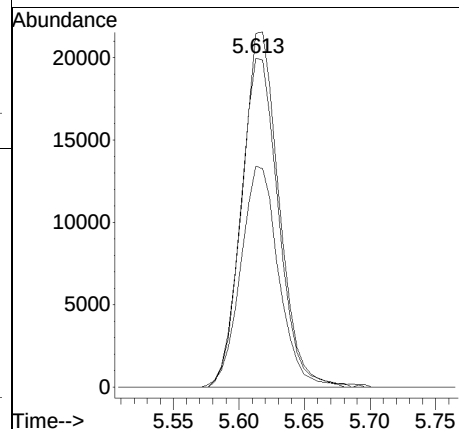
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.5	11.1	51.1
98	9.1	0.0	28.0

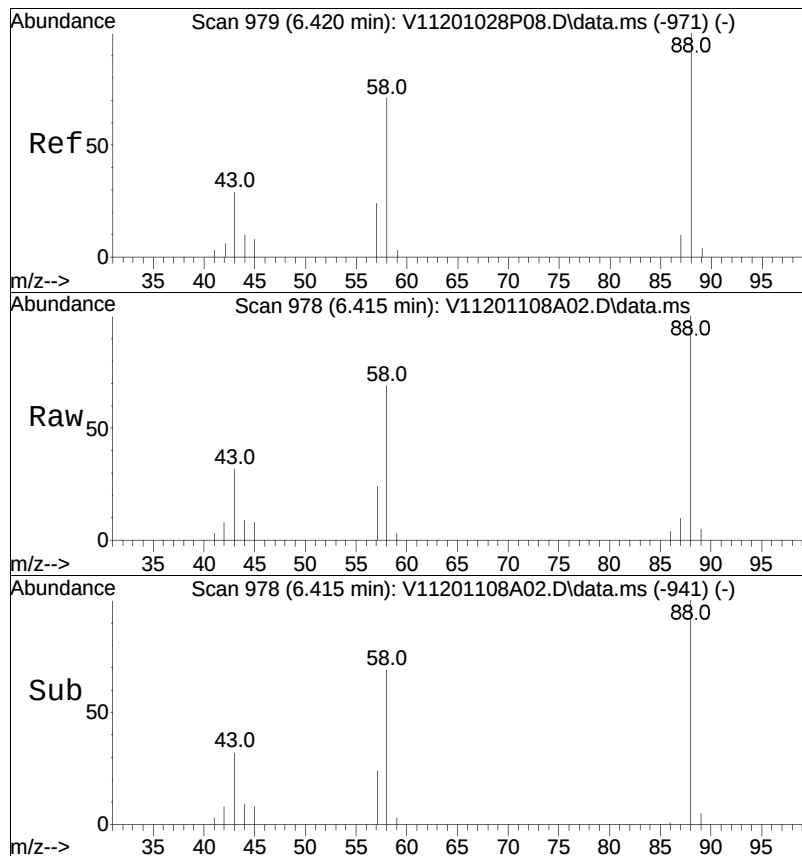




#48
 Trichloroethene
 Concen: 46.19 ug/L
 RT: 5.613 min Scan# 825
 Delta R.T. -0.005 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

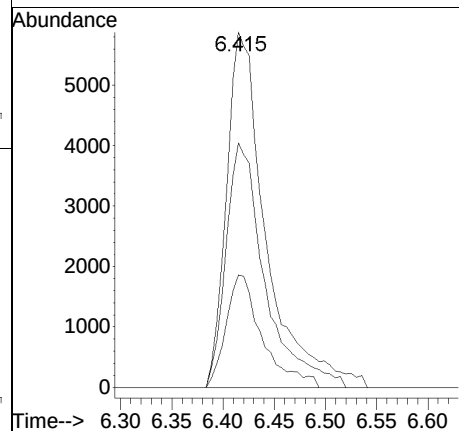
Tgt Ion	95	Resp	39860
Ion Ratio	Lower	Upper	
95	100		
97	68.0	54.3	81.5
130	106.2	84.6	126.8

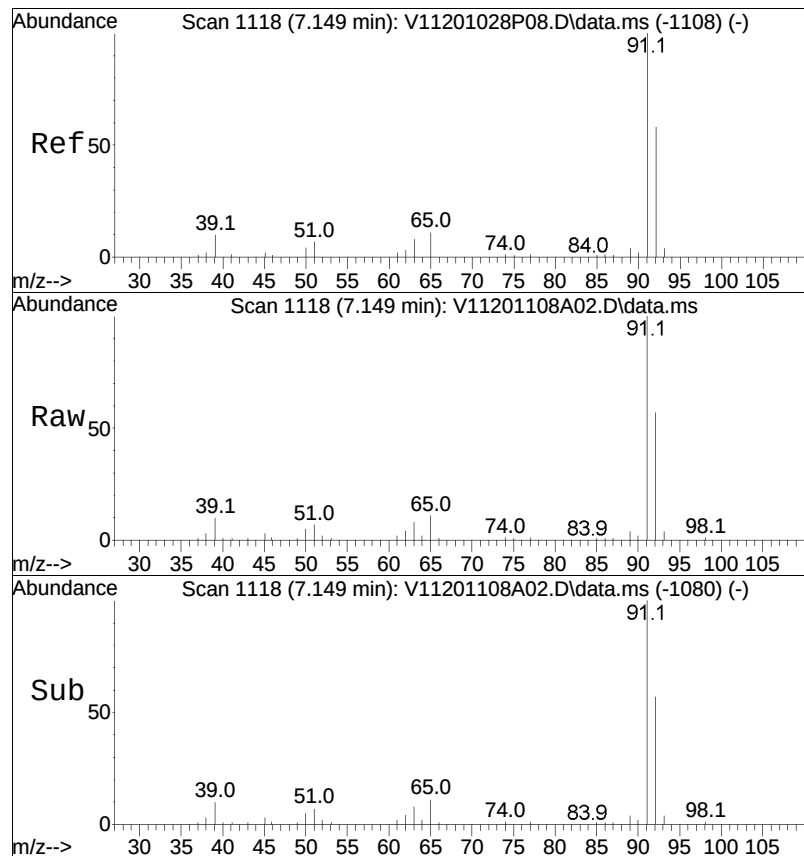




#57
 1,4-Dioxane
 Concen: 1906.73 ug/L
 RT: 6.415 min Scan# 978
 Delta R.T. -0.005 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

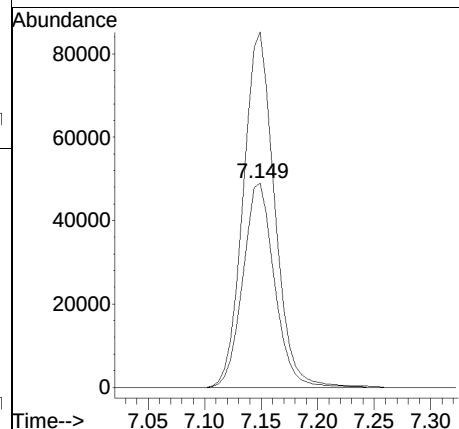
Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.7	75.4	113.0#
43	29.0	33.5	50.3#

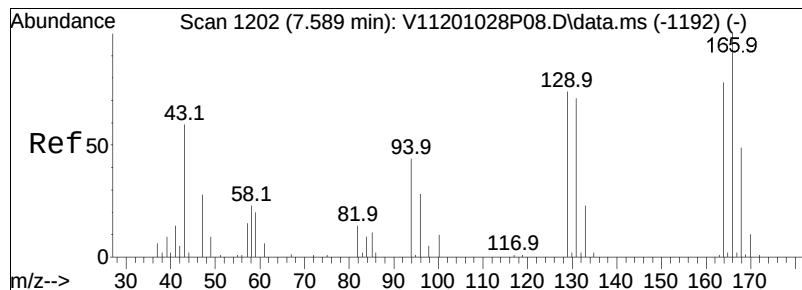




#61
Toluene
Concen: 41.23 ug/L
RT: 7.149 min Scan# 1118
Delta R.T. -0.000 min
Lab File: V11201108A02.D
Acq: 08 Nov 2020 01:45 pm

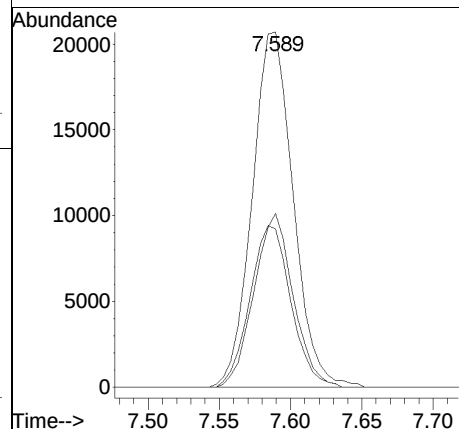
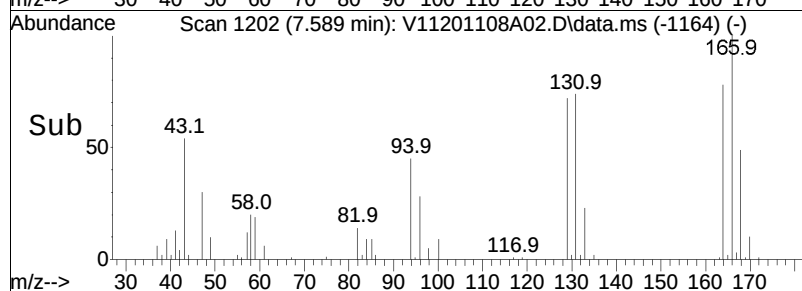
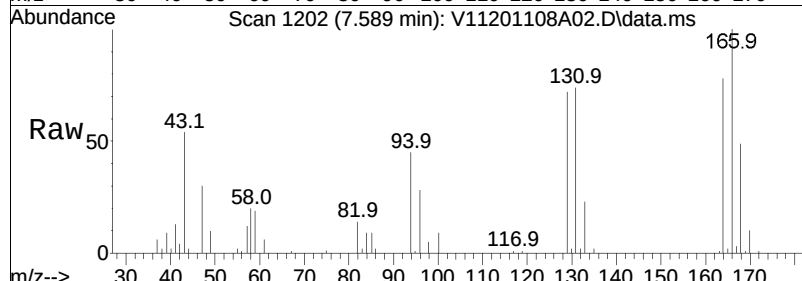
Tgt	Ion	Resp	Lower	Upper
92	100			
91	172.8	133.7	200.5	

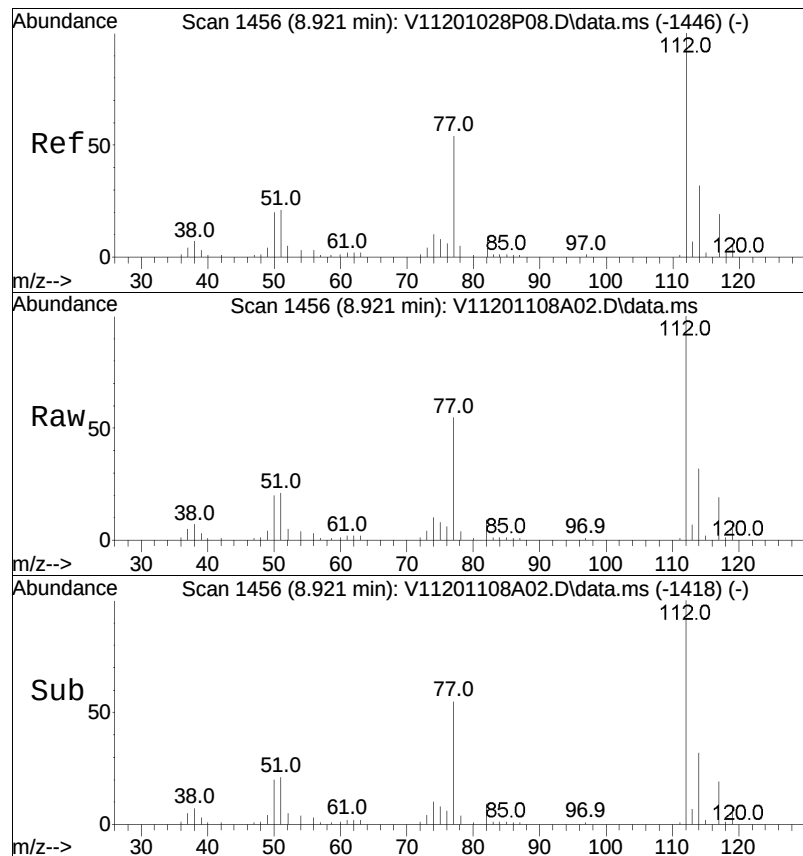




#63
Tetrachloroethene
Concen: 45.06 ug/L
RT: 7.589 min Scan# 1202
Delta R.T. 0.000 min
Lab File: V11201108A02.D
Acq: 08 Nov 2020 01:45 pm

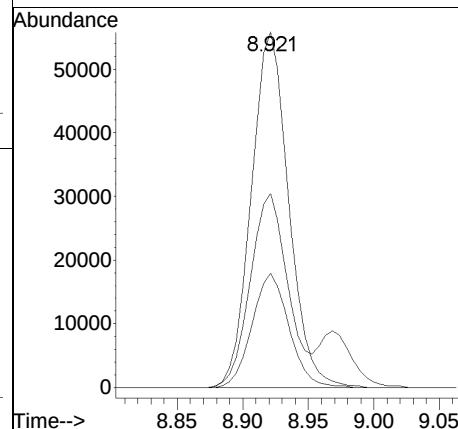
Tgt Ion	Ratio	Lower	Upper
166	100		
168	46.7	28.2	68.2
94	45.5	26.3	66.3

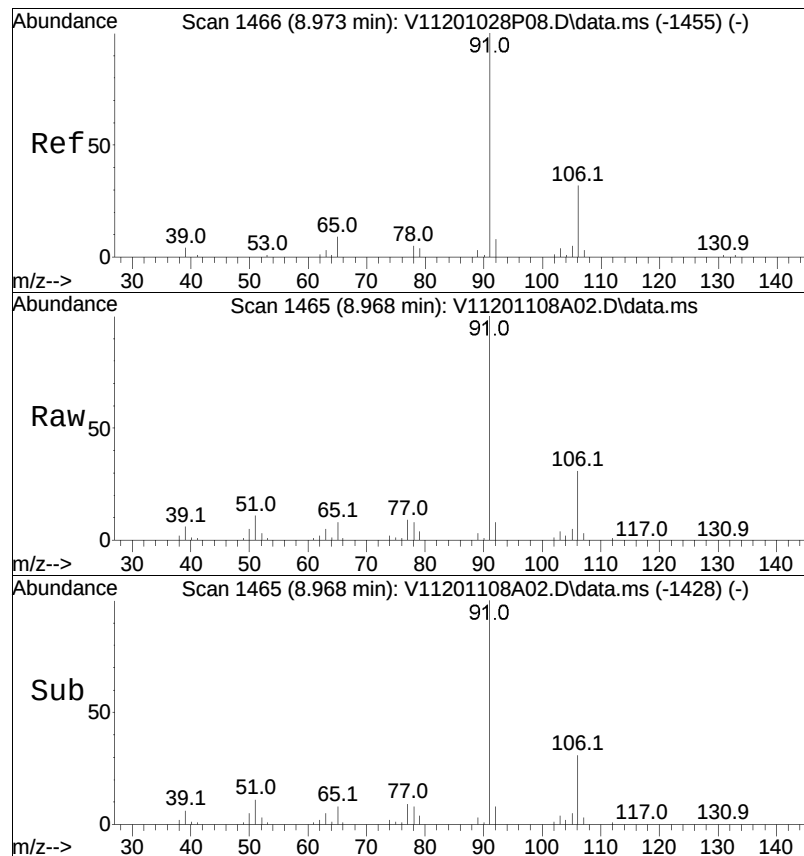




#73
 Chlorobenzene
 Concen: 41.60 ug/L
 RT: 8.921 min Scan# 1456
 Delta R.T. 0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

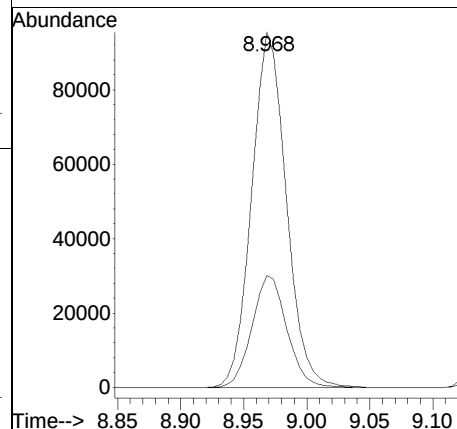
Tgt	Ion:112	Resp:	110569
Ion	Ratio	Lower	Upper
112	100		
77	55.5	47.0	70.4
114	31.7	25.9	38.9

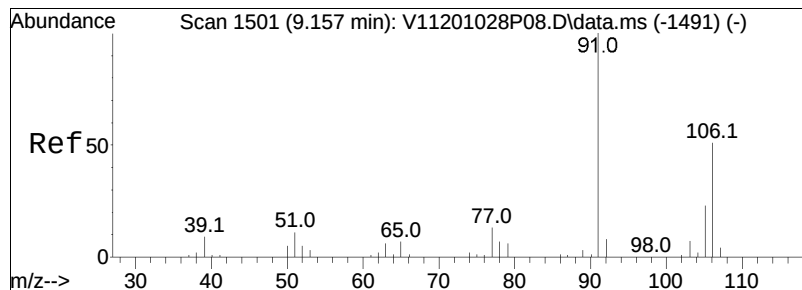




#74
 Ethylbenzene
 Concen: 42.63 ug/L
 RT: 8.968 min Scan# 1465
 Delta R.T. -0.005 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

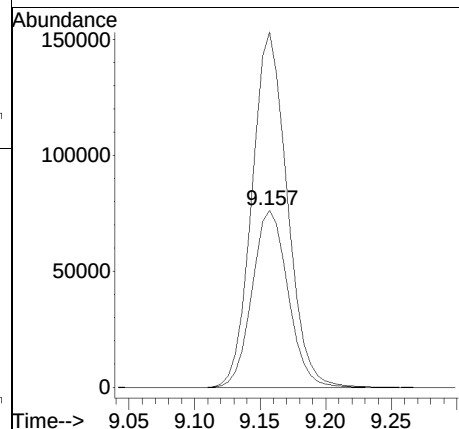
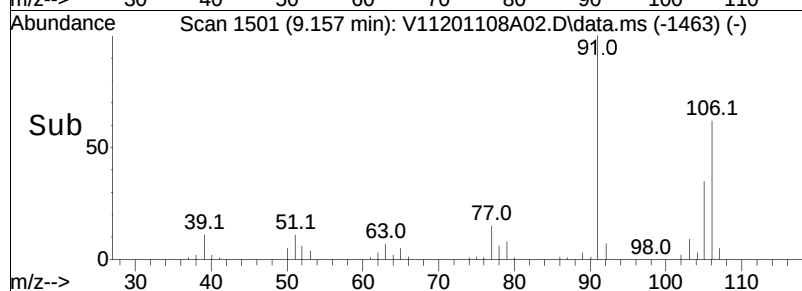
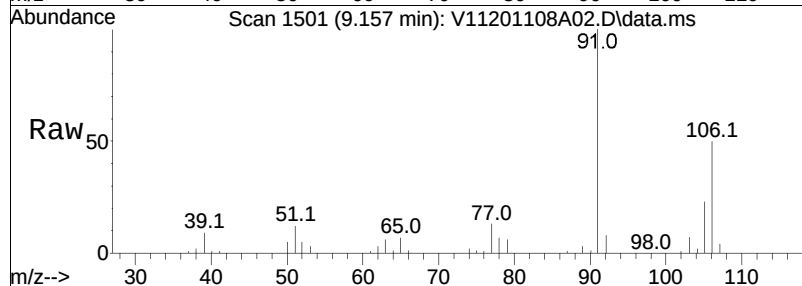
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.0	37.4

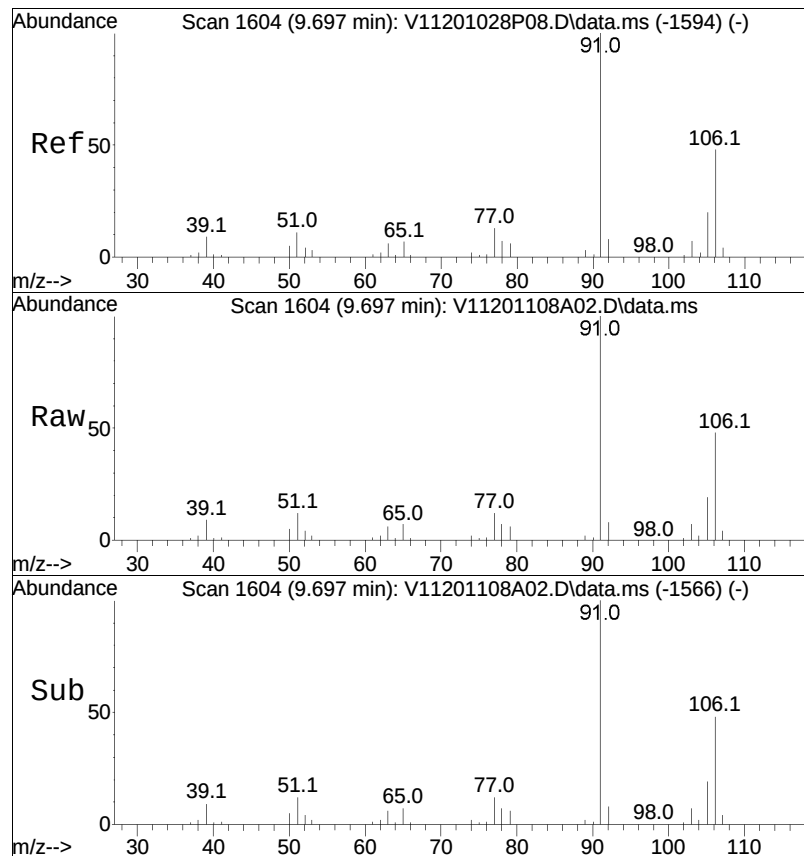




#76
 p/m Xylene
 Concen: 89.51 ug/L
 RT: 9.157 min Scan# 1501
 Delta R.T. 0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

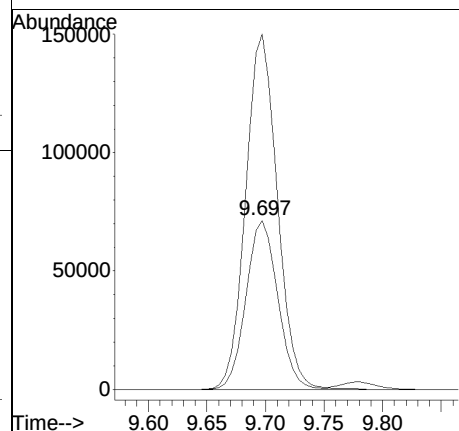
Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.1	159.3	238.9

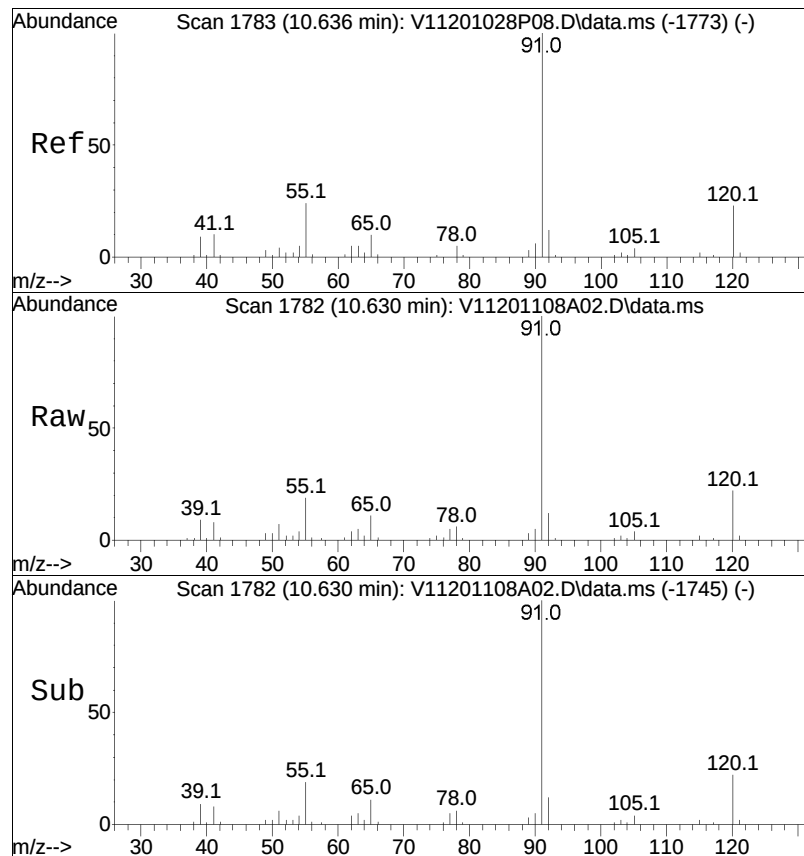




#77
 o Xylene
 Concen: 89.13 ug/L
 RT: 9.697 min Scan# 1604
 Delta R.T. 0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

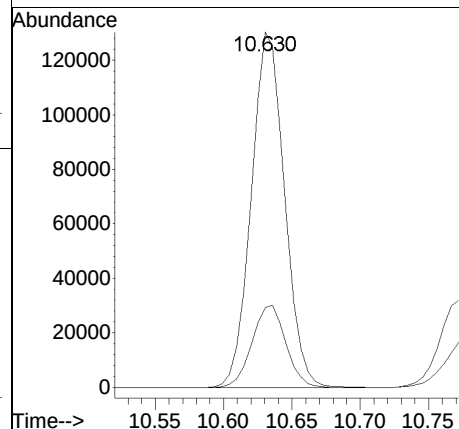
Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.1	170.2	255.2

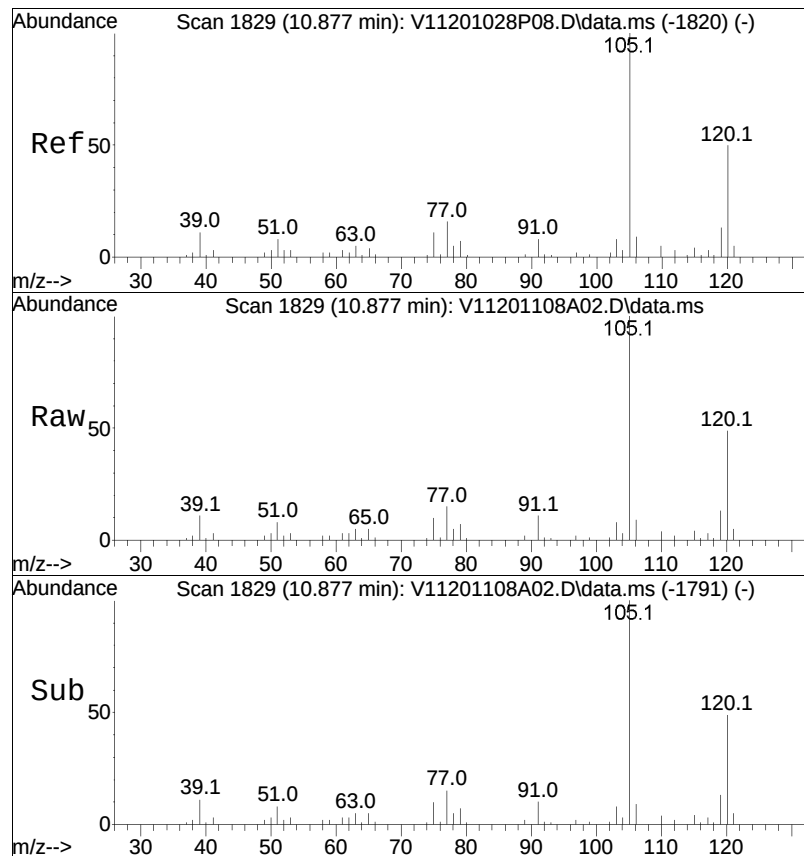




#85
 n-Propylbenzene
 Concen: 41.34 ug/L
 RT: 10.630 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

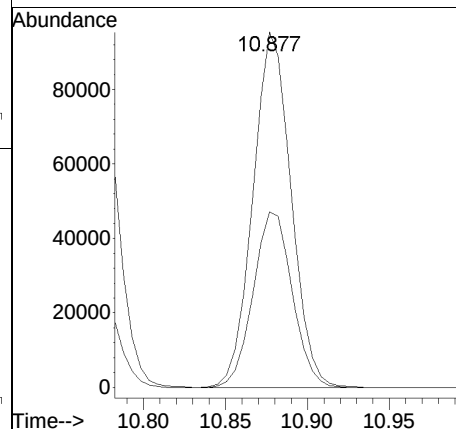
Tgt Ion	91	120	Ratio	Lower	Upper
91	100				
120	23.4		18.6	27.8	

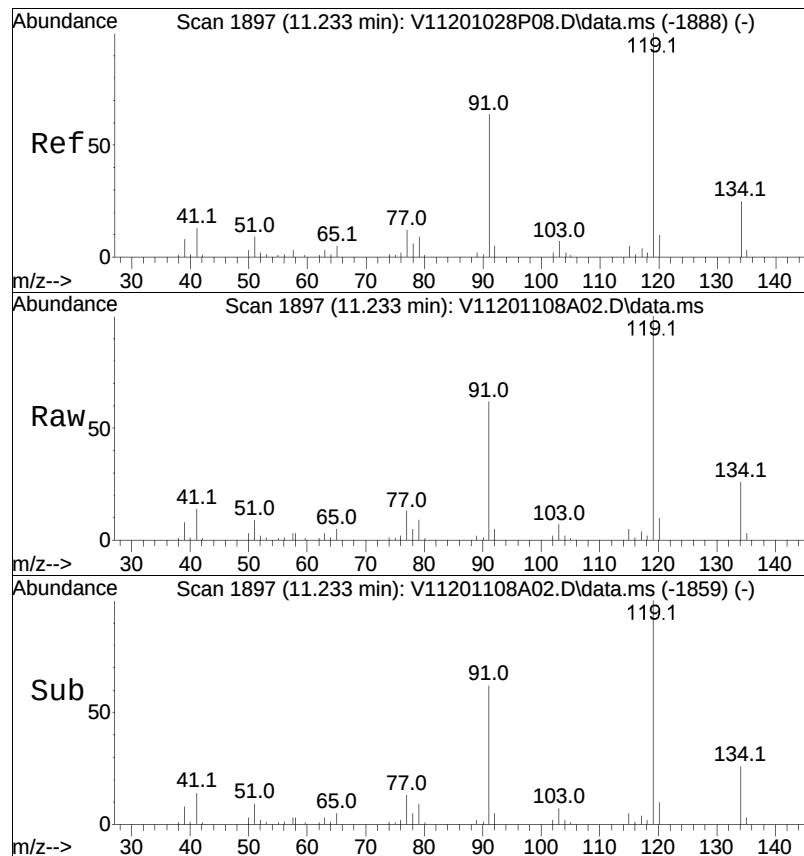




#90
 1,3,5-Trimethylbenzene
 Concen: 42.08 ug/L
 RT: 10.877 min Scan# 1829
 Delta R.T. -0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

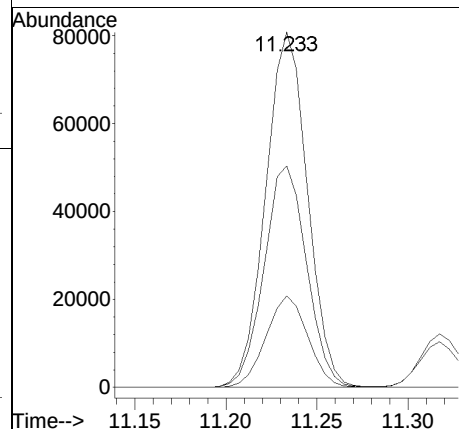
Tgt	Ion	Ratio	Lower	Upper
105	100			
120	50.5	39.8	59.8	

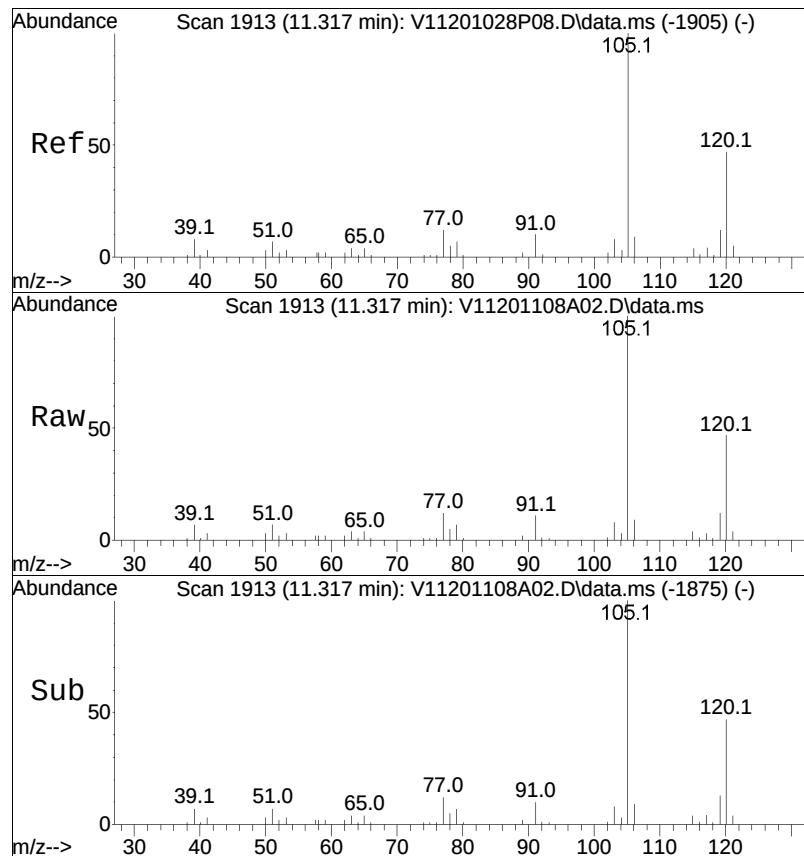




#94
 tert-Butylbenzene
 Concen: 41.58 ug/L
 RT: 11.233 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

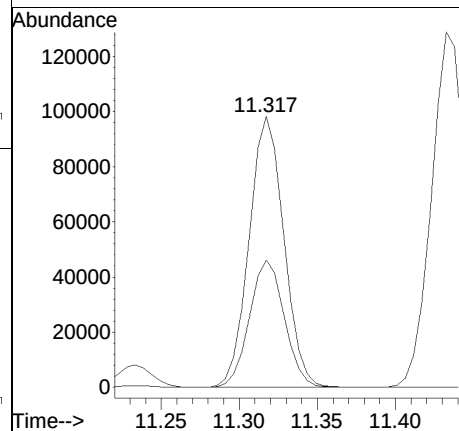
Tgt Ion:	119	Resp:	129238
Ion Ratio	Lower	Upper	
119	100		
91	63.6	53.0	79.4
134	25.7	19.8	29.6

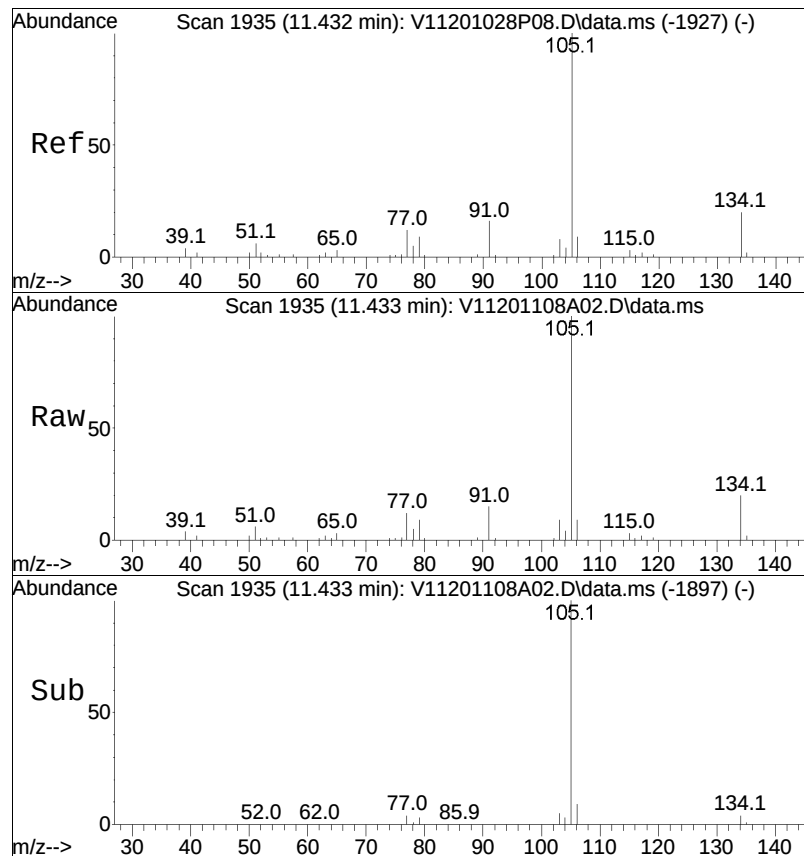




#97
 1,2,4-Trimethylbenzene
 Concen: 42.77 ug/L
 RT: 11.317 min Scan# 1913
 Delta R.T. 0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

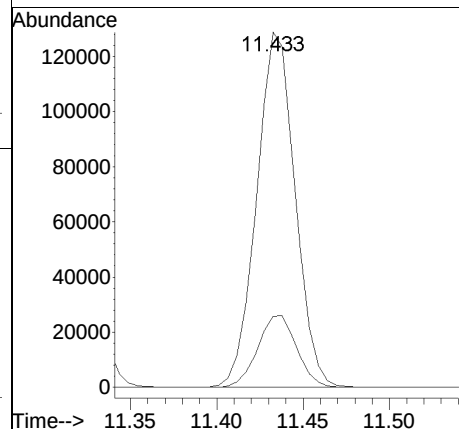
Tgt	Ion	Ratio	Lower	Upper
105	100			
120	47.1	37.4	56.0	

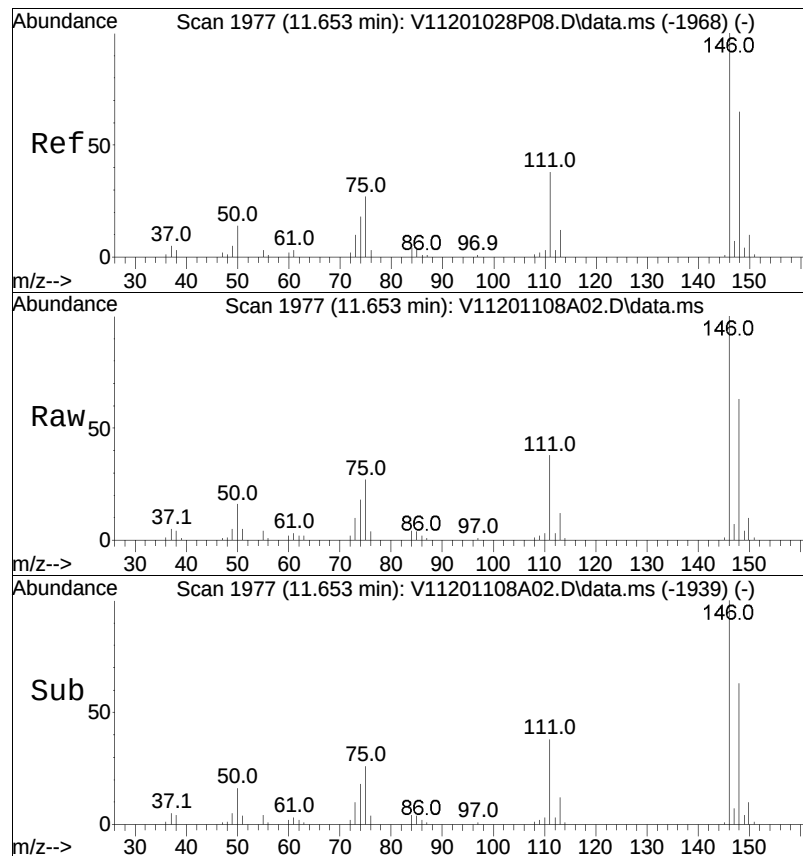




#98
 sec-Butylbenzene
 Concen: 42.24 ug/L
 RT: 11.433 min Scan# 1935
 Delta R.T. 0.001 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

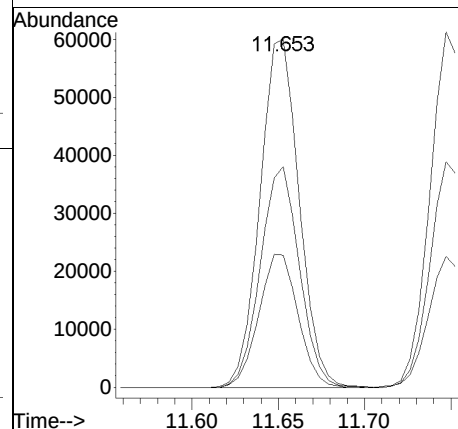
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	20.5	13.2	27.4	

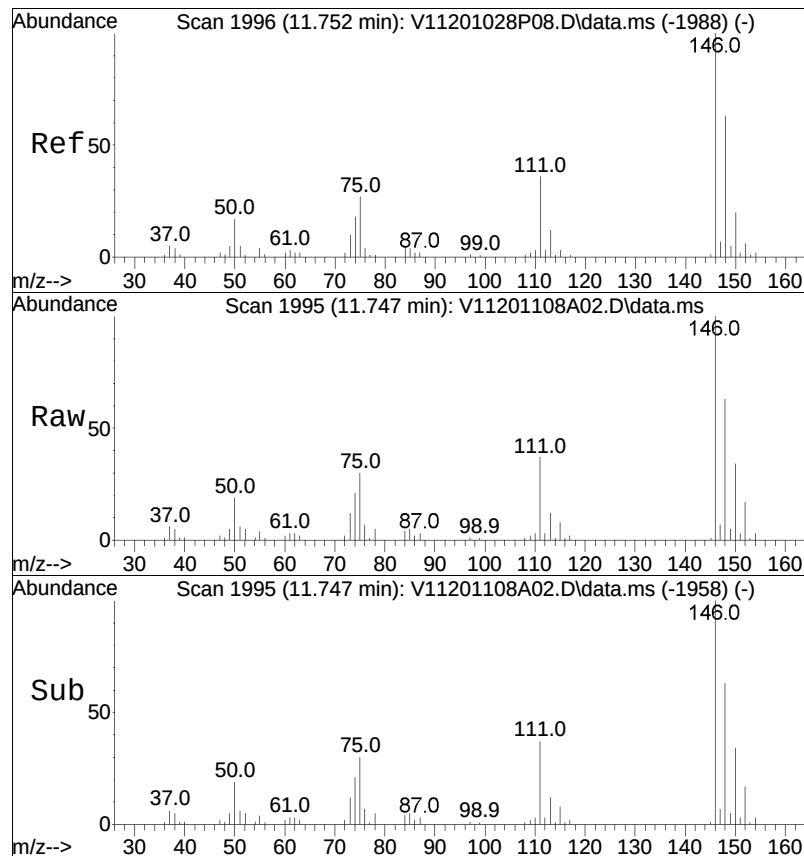




#100
 1,3-Dichlorobenzene
 Concen: 40.95 ug/L
 RT: 11.653 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

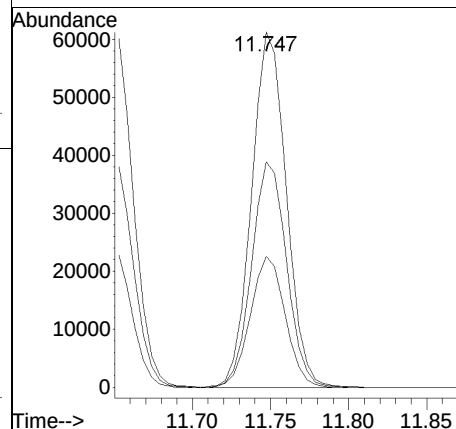
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	25.6	53.2
148	63.0	41.3	85.9

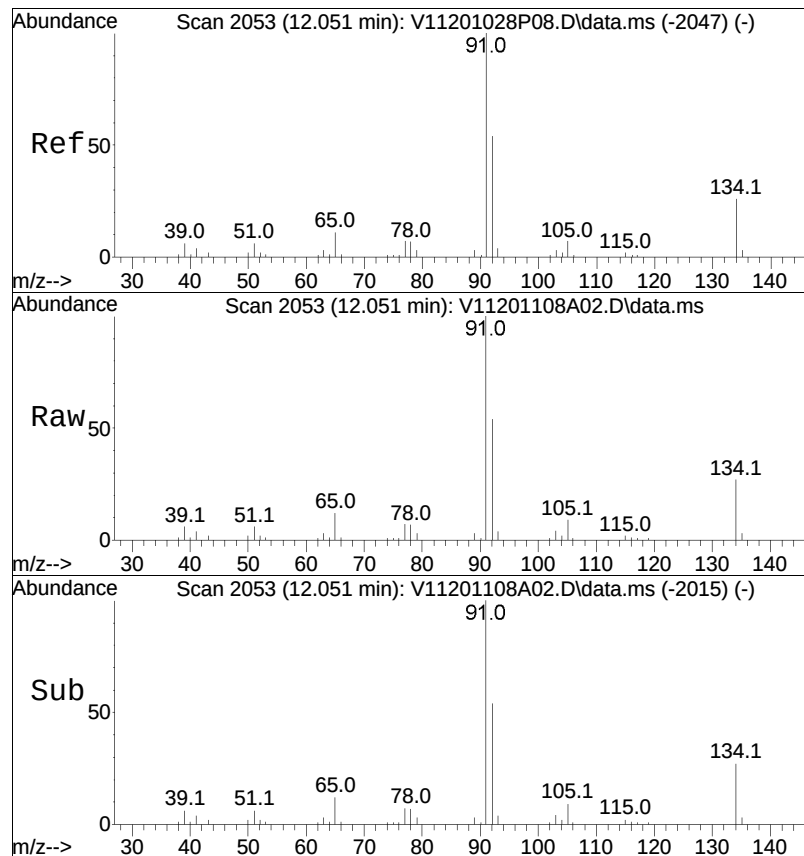




#101
 1,4-Dichlorobenzene
 Concen: 39.45 ug/L
 RT: 11.747 min Scan# 1995
 Delta R.T. -0.005 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

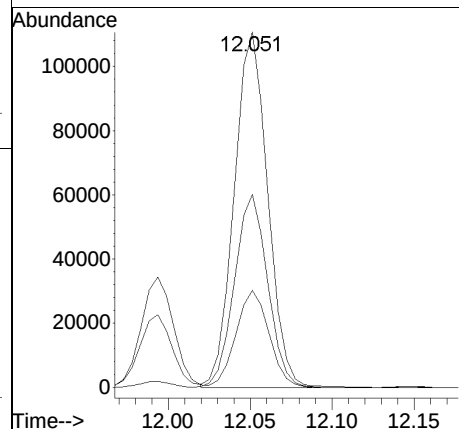
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	31.4	47.0
148	64.0	50.7	76.1

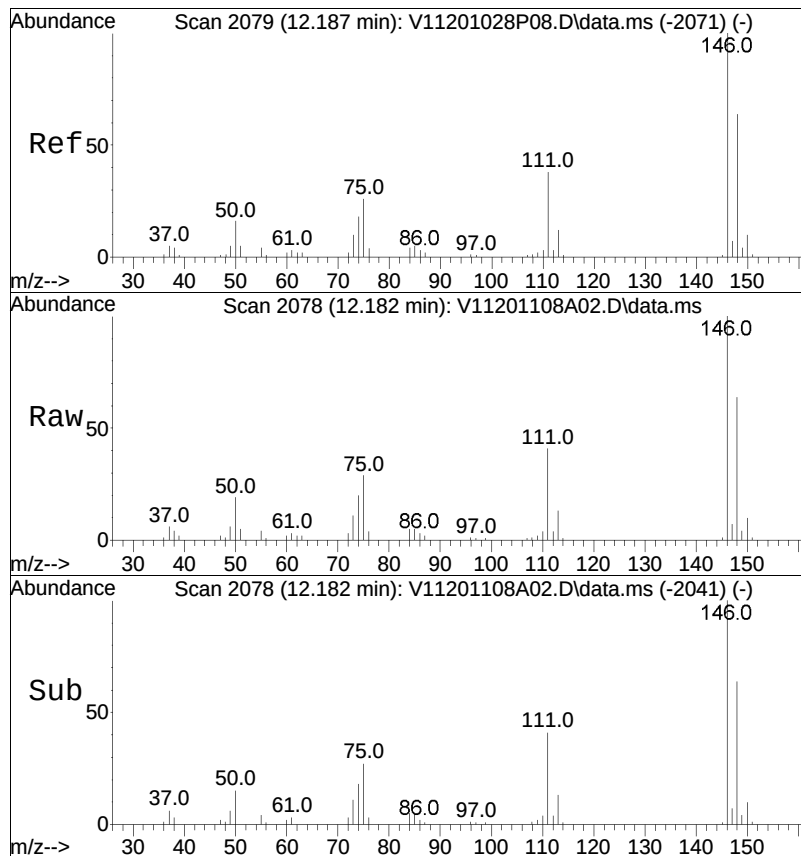




#103
 n-Butylbenzene
 Concen: 43.14 ug/L
 RT: 12.051 min Scan# 2053
 Delta R.T. 0.000 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

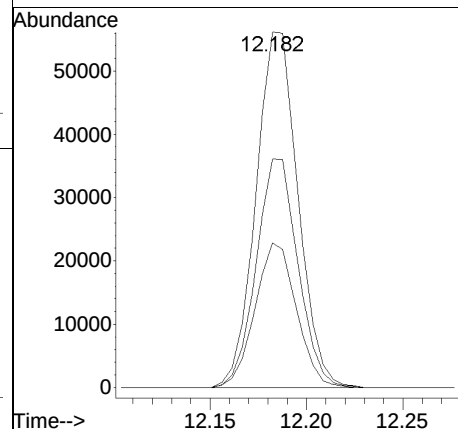
Tgt Ion:	91	Resp:	157057
Ion Ratio	Lower	Upper	
91	100		
92	53.7	43.3	64.9
134	26.9	21.4	32.0





#104
 1,2-Dichlorobenzene
 Concen: 39.54 ug/L
 RT: 12.182 min Scan# 2078
 Delta R.T. -0.005 min
 Lab File: V11201108A02.D
 Acq: 08 Nov 2020 01:45 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	26.9	55.9
148	63.8	41.2	85.6



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2020\20	Method	: V111_201028P_8260.m
Data File	: V11201108A02.D	Operator	: VOA111:AD
Date Inj'd	: 11/8/2020 1:45 pm	Instrument	: VOA111
Sample	: WG1431978-4,31,5,5	Quant Date	: 11/8/2020 6:43 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N02.D
 Acq On : 09 Nov 2020 05:38 pm
 Operator : VOA111:AD
 Sample : WG1432485-4, 31H, 15, 15, 0.100
 Misc : WG1432485, ICAL17294
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 09 18:20:01 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.440	96	94145	20.000	ug/L	0.00
Standard Area 1 = 96332			Recovery =	97.73%		
59) Chlorobenzene-d5	8.900	117	73651	20.000	ug/L	0.00
Standard Area 1 = 75779			Recovery =	97.19%		
79) 1,4-Dichlorobenzene-d4	11.731	152	38087	20.000	ug/L	0.00
Standard Area 1 = 40395			Recovery =	94.29%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.669	113	23953	19.965	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.83%		
43) 1,2-Dichloroethane-d4	5.162	65	23627	20.299	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.50%		
60) Toluene-d8	7.091	98	93061	19.625	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.13%		
83) 4-Bromofluorobenzene	10.452	95	32340	19.735	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.67%		
Target Compounds						
						Qvalue
4) Vinyl chloride	1.696	62	43576	43.671	ug/L	97
10) 1,1-Dichloroethene	2.598	96	30944	43.739	ug/L	83
15) Methylene chloride	3.085	84	38917	43.155	ug/L	71
17) Acetone	3.122	43	8736	45.823	ug/L	94
18) trans-1,2-Dichloroethene	3.232	96	37186	45.010	ug/L	85
20) Methyl tert-butyl ether	3.321	73	91604	42.520	ug/L	88
23) 1,1-Dichloroethane	3.762	63	68280	45.505	ug/L	97
28) cis-1,2-Dichloroethene	4.249	96	41611	44.155	ug/L	85
32) Chloroform	4.501	83	69220	44.680	ug/L	96
34) Carbon tetrachloride	4.627	117	53274	43.661	ug/L	99
37) 1,1,1-Trichloroethane	4.685	97	58870	47.482	ug/L	97
39) 2-Butanone	4.774	43	14847	47.066	ug/L	# 82
41) Benzene	5.036	78	150354	46.008	ug/L	91
44) 1,2-Dichloroethane	5.230	62	50762	43.259	ug/L	99
48) Trichloroethene	5.613	95	39978	48.039	ug/L	100
57) 1,4-Dioxane	6.420	88	18841	2337.963	ug/L	# 75
61) Toluene	7.149	92	96127	42.147	ug/L	96
63) Tetrachloroethene	7.589	166	40905	44.949	ug/L	99
73) Chlorobenzene	8.921	112	111255	42.349	ug/L	98
74) Ethylbenzene	8.968	91	184238	43.742	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N02.D
 Acq On : 09 Nov 2020 05:38 pm
 Operator : VOA111:AD
 Sample : WG1432485-4,31H,15,15,0.100
 Misc : WG1432485,ICAL17294
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 09 18:20:01 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2020\201109N\V11201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	p/m Xylene	9.157	106	147143	91.636	ug/L	98
77)	o Xylene	9.697	106	135297	90.227	ug/L	98
85)	n-Propylbenzene	10.630	91	220574	42.650	ug/L	100
90)	1,3,5-Trimethylbenzene	10.877	105	153837	43.186	ug/L	99
94)	tert-Butylbenzene	11.233	119	130455	43.173	ug/L	98
97)	1,2,4-Trimethylbenzene	11.317	105	152153	44.004	ug/L	100
98)	sec-Butylbenzene	11.432	105	200215	43.609	ug/L	100
100)	1,3-Dichlorobenzene	11.653	146	92979	41.333	ug/L	100
101)	1,4-Dichlorobenzene	11.747	146	92955	39.815	ug/L	98
103)	n-Butylbenzene	12.051	91	155632	43.976	ug/L	100
104)	1,2-Dichlorobenzene	12.187	146	83734	40.025	ug/L	99

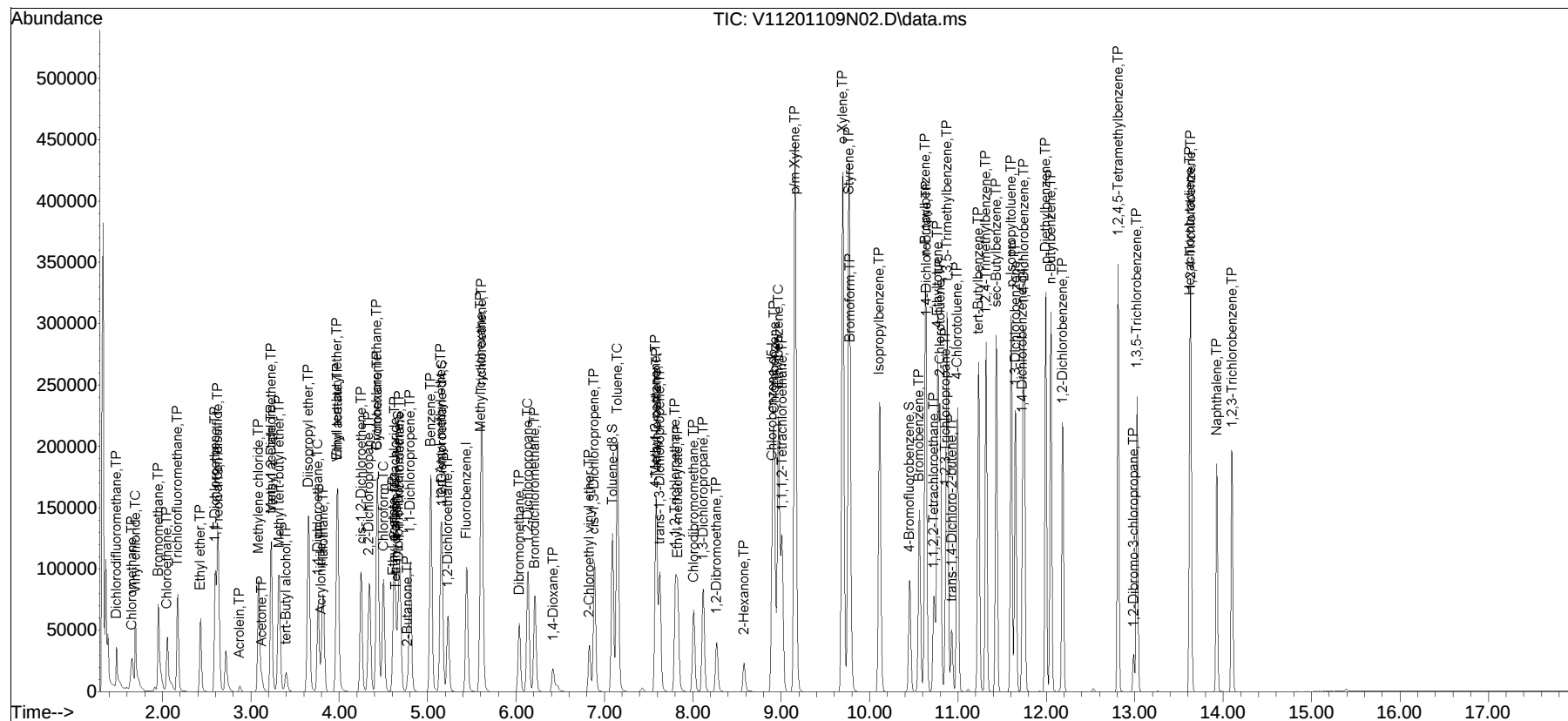
(#) = qualifier out of range (m) = manual integration (+) = signals summed

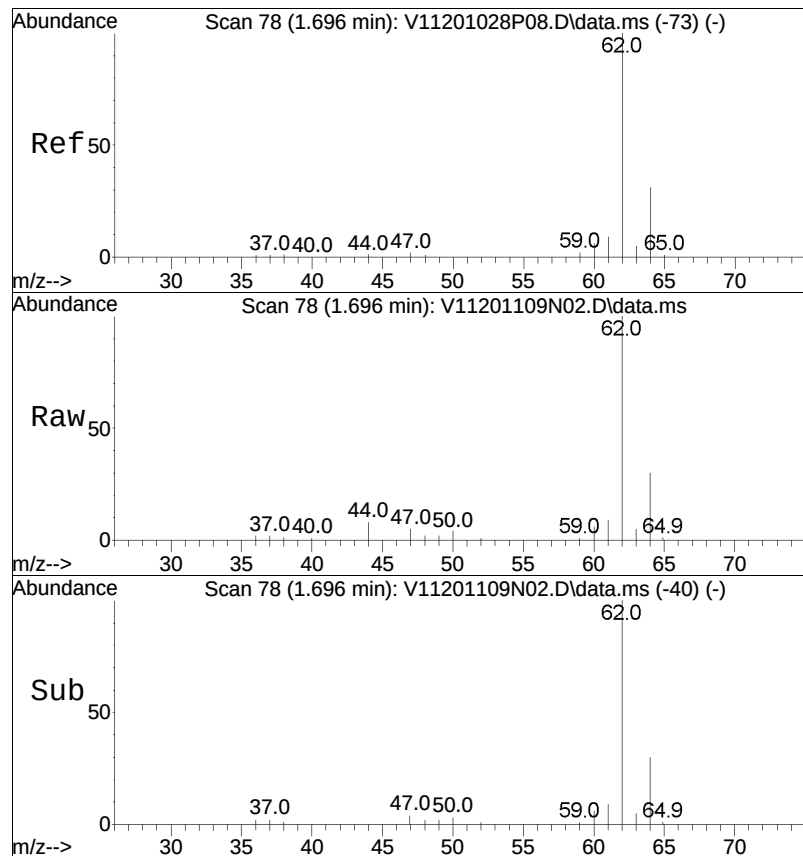
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201109N\
 Data File : V11201109N02.D
 Acq On : 09 Nov 2020 05:38 pm
 Operator : VOA111:AD
 Sample : WG1432485-4, 31H, 15, 15, 0.100
 Misc : WG1432485, ICAL17294
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 09 18:20:01 2020
 Quant Method : I:\VOLATILES\VOA111\2020\201109N\V111_201028P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Oct 29 12:26:02 2020
 Response via : Initial Calibration

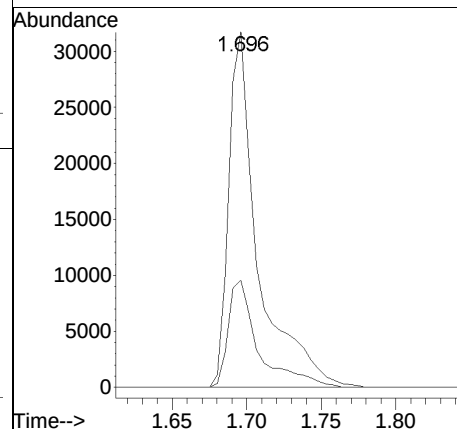
Sub List : 8260-CurveSoil - Megamix plus Diox9N\V11201109N01.D•

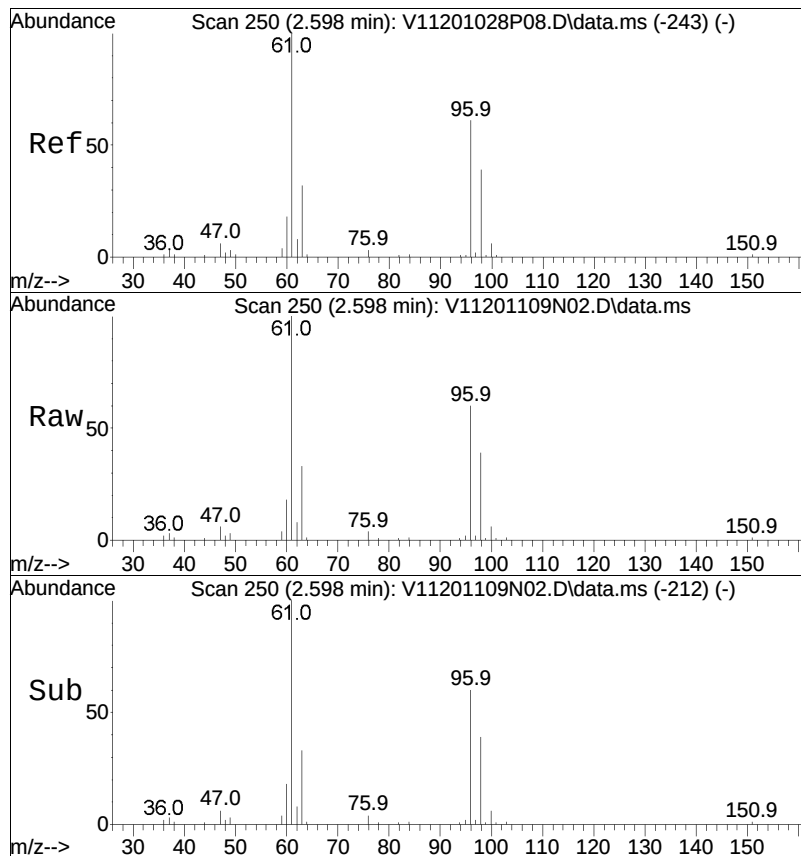




#4
 Vinyl chloride
 Concen: 43.67 ug/L
 RT: 1.696 min Scan# 78
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

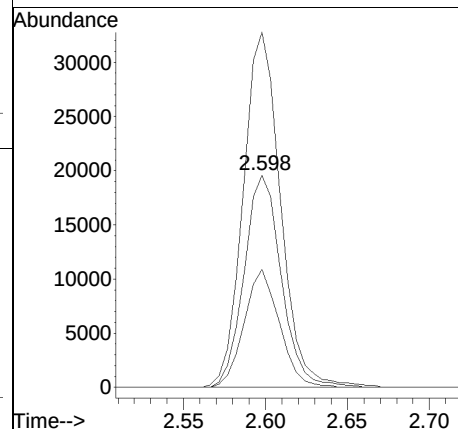
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.3	9.9	49.9

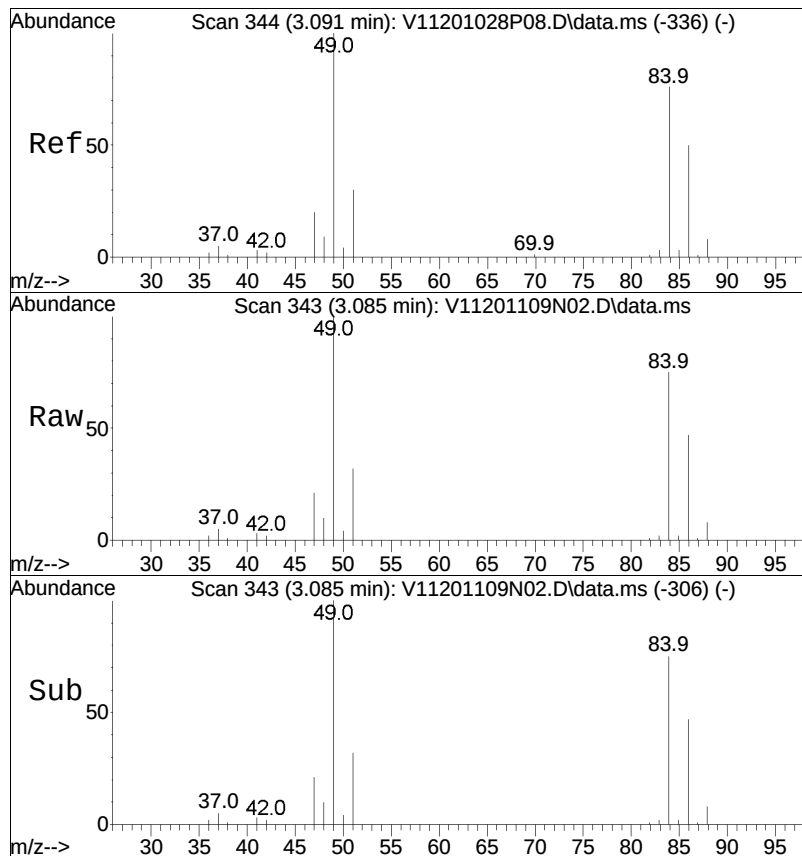




#10
 1,1-Dichloroethene
 Concen: 43.74 ug/L
 RT: 2.598 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

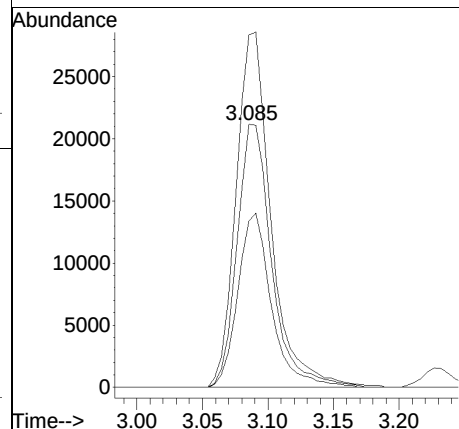
Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.2	157.7	236.5
63	52.8	47.9	71.9

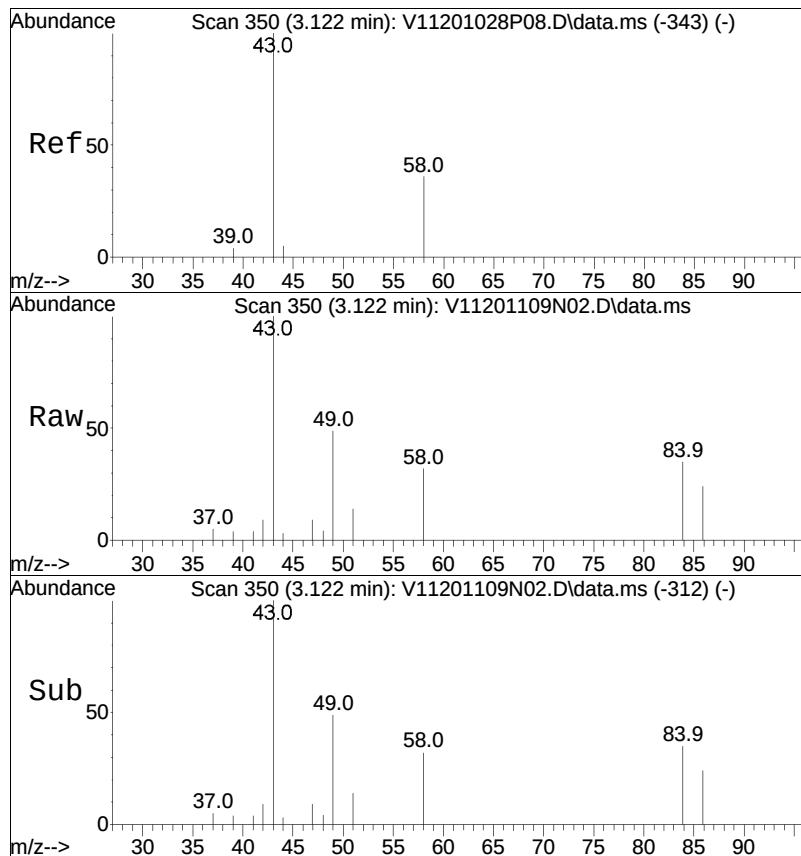




#15
Methylene chloride
Concen: 43.16 ug/L
RT: 3.085 min Scan# 343
Delta R.T. -0.006 min
Lab File: V11201109N02.D
Acq: 09 Nov 2020 05:38 pm

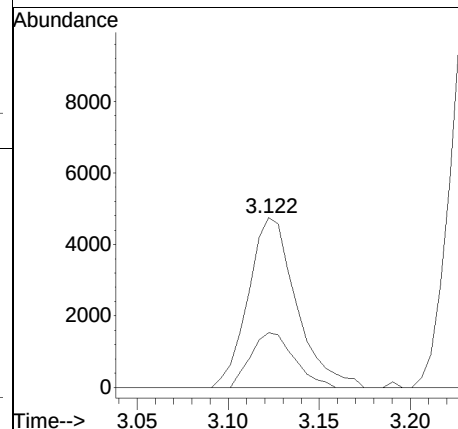
Tgt	Ion: 84	Resp:	38917
Ion	Ratio	Lower	Upper
84	100		
86	64.7	41.1	85.3
49	136.2	124.2	258.0

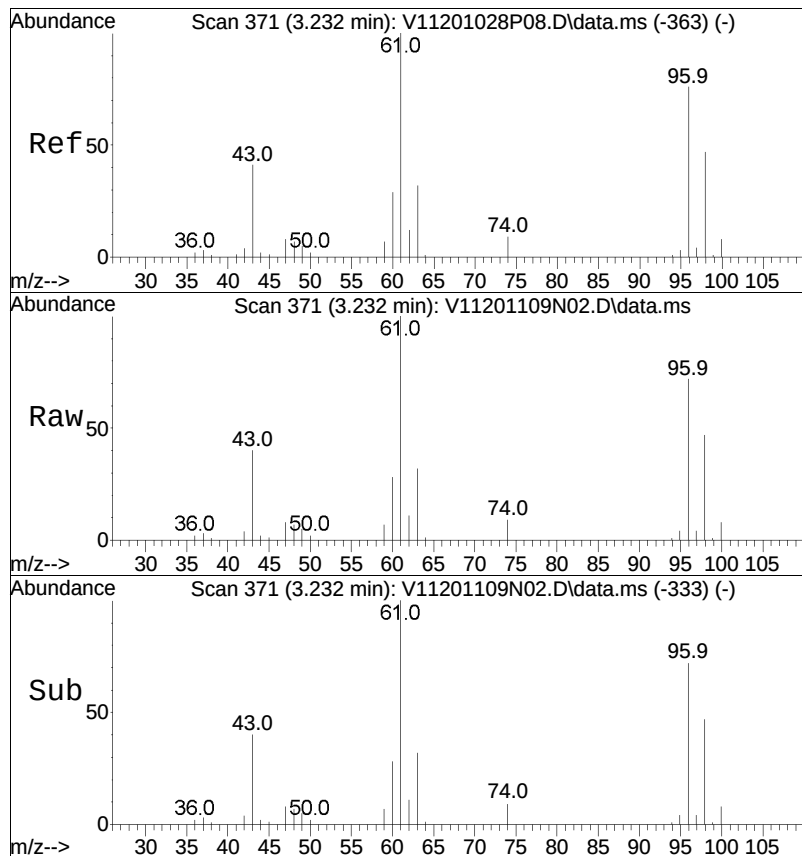




#17
 Acetone
 Concen: 45.82 ug/L
 RT: 3.122 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

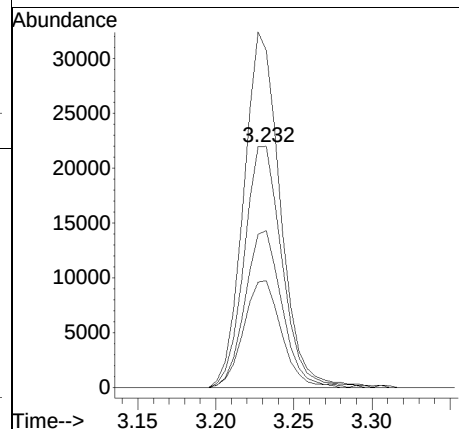
Tgt Ion: 43 Resp: 8736
 Ion Ratio Lower Upper
 43 100
 58 29.1 20.8 31.2

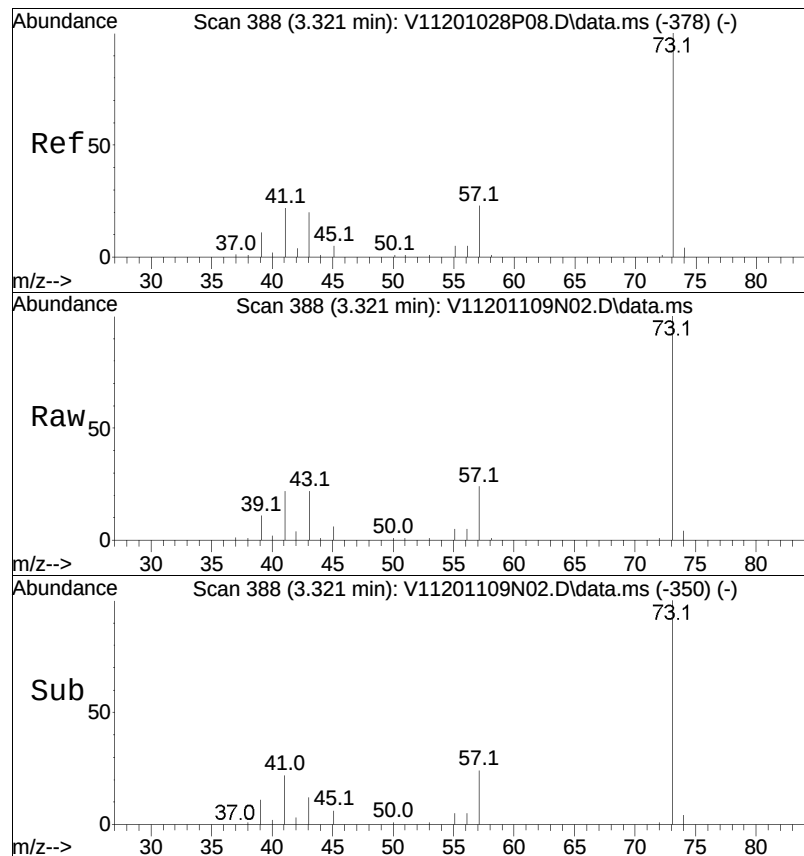




#18
 trans-1,2-Dichloroethene
 Concen: 45.01 ug/L
 RT: 3.232 min Scan# 371
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

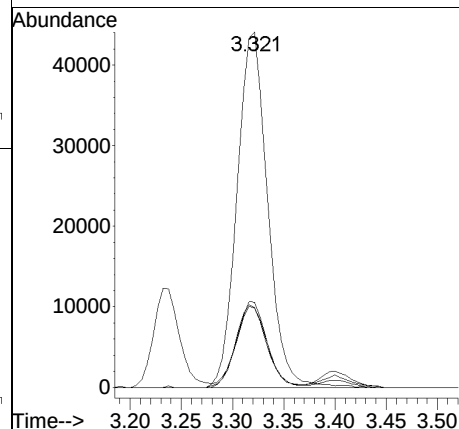
Tgt Ion:	96	Resp:	37186
Ion Ratio	Lower	Upper	
96	100		
61	142.2	111.1	230.8
98	63.5	41.8	86.8
63	44.0	33.3	69.1

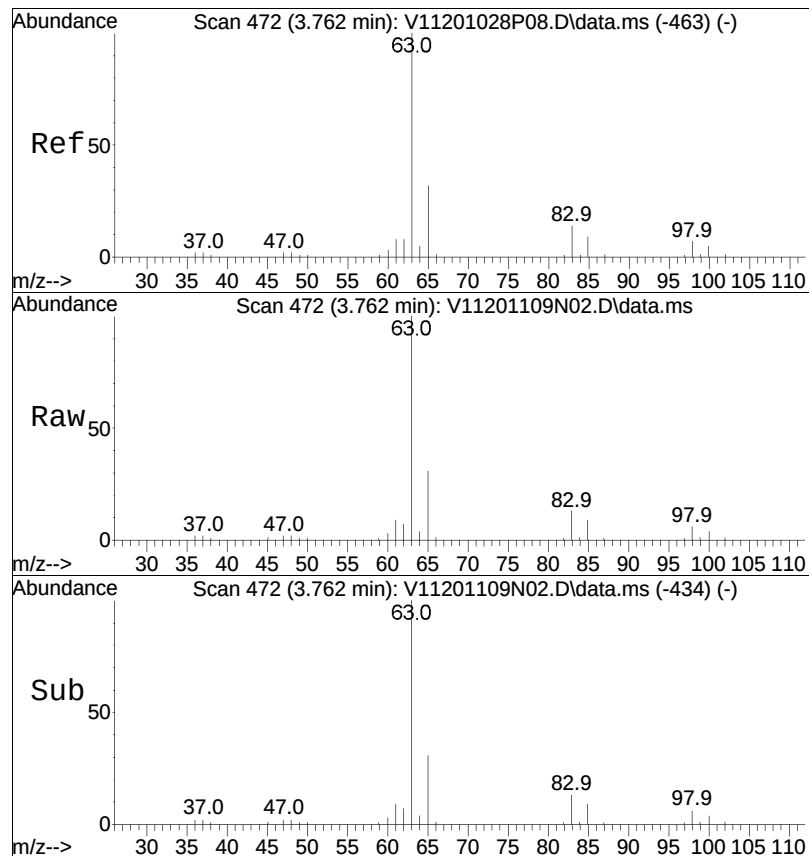




#20
Methyl tert-butyl ether
Concen: 42.52 ug/L
RT: 3.321 min Scan# 388
Delta R.T. 0.000 min
Lab File: V11201109N02.D
Acq: 09 Nov 2020 05:38 pm

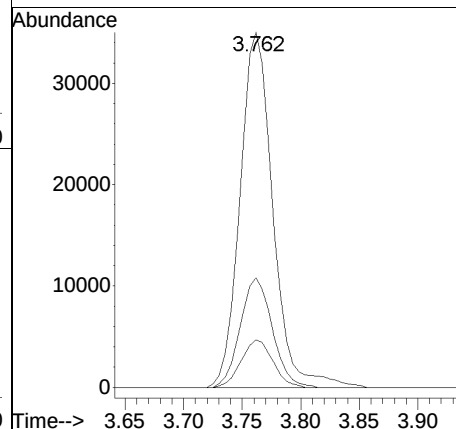
Tgt Ion:	73	Resp:	91604
Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.6	40.6
43	23.0	18.5	38.3
41	23.8	20.3	42.1

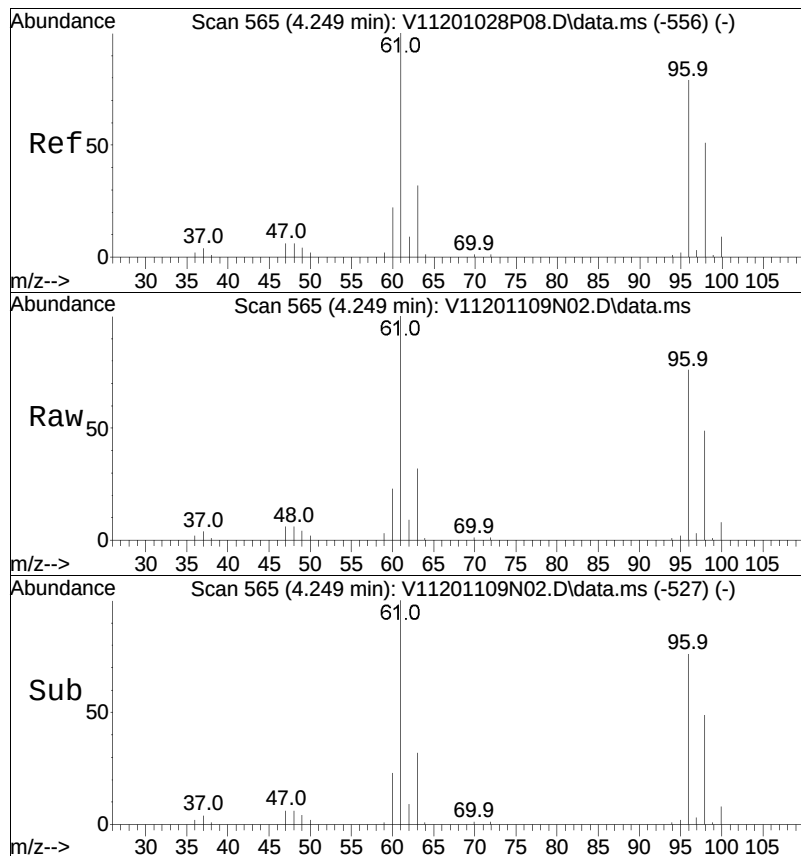




#23
 1,1-Dichloroethane
 Concen: 45.50 ug/L
 RT: 3.762 min Scan# 472
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

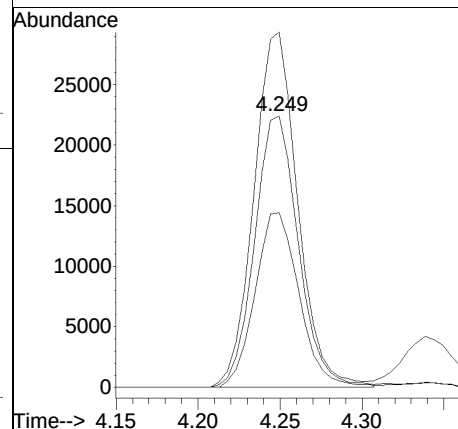
Tgt	Ion: 63	Resp:	68280
Ion	Ratio	Lower	Upper
63	100		
65	30.1	9.0	49.0
83	12.9	0.0	31.4

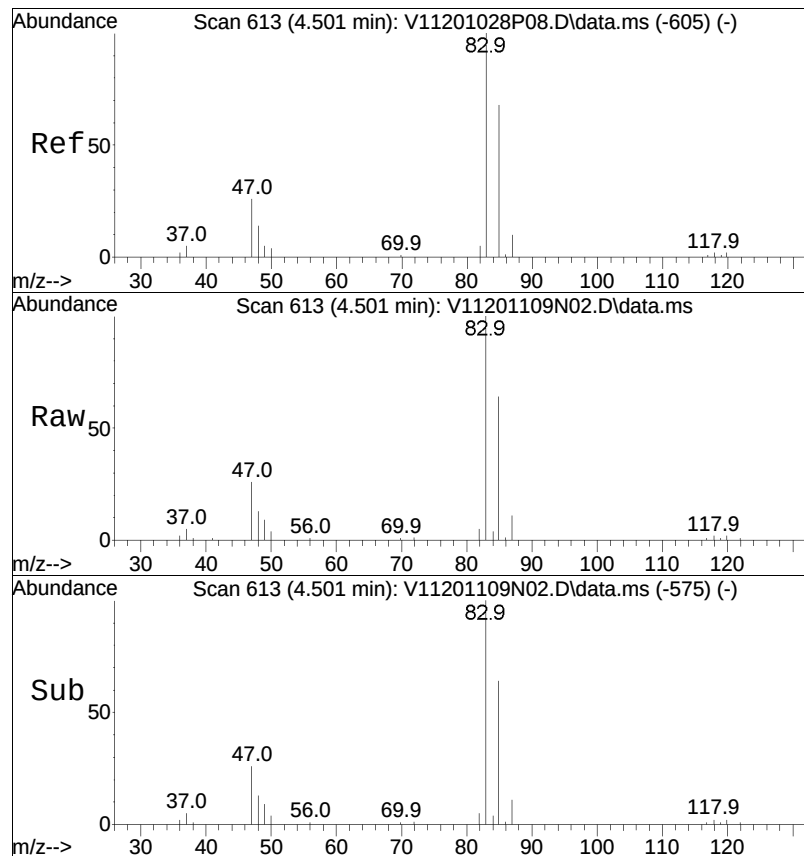




#28
 cis-1,2-Dichloroethene
 Concen: 44.15 ug/L
 RT: 4.249 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

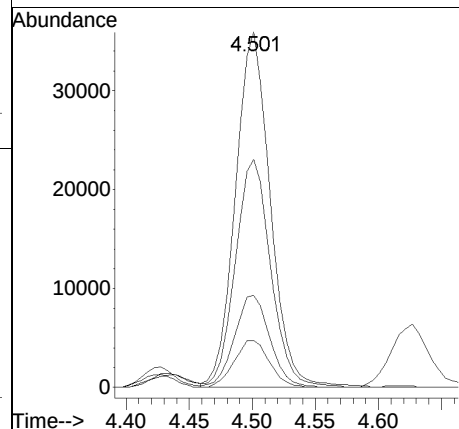
Tgt Ion:	96	Resp:	41611
Ion Ratio	Lower	Upper	
96	100		
61	130.8	126.3	189.5
98	64.8	51.0	76.6

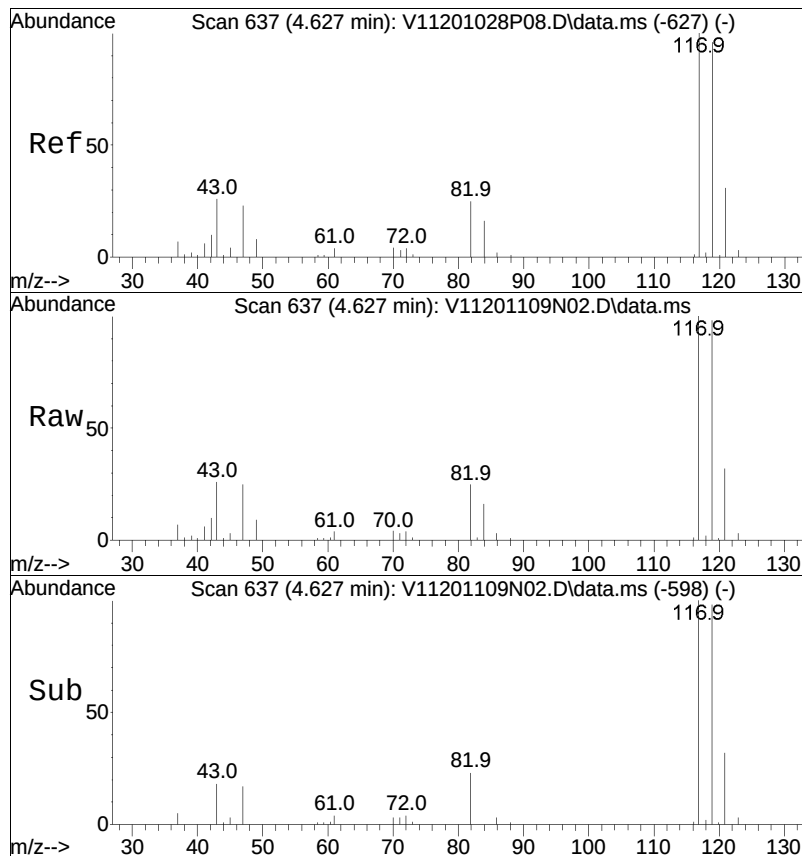




#32
 Chloroform
 Concen: 44.68 ug/L
 RT: 4.501 min Scan# 613
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

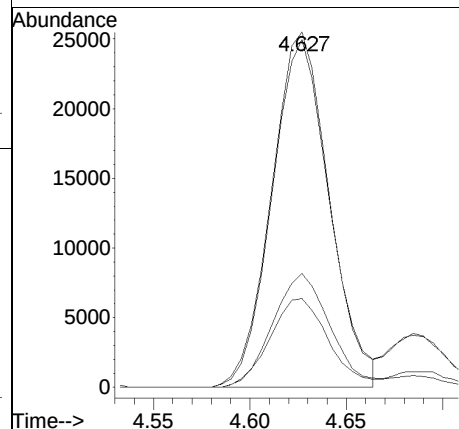
Tgt	Ion: 83	Resp:	69220
Ion	Ratio	Lower	Upper
83	100		
85	65.0	41.9	87.1
47	26.3	20.9	43.3
48	13.4	9.9	20.5

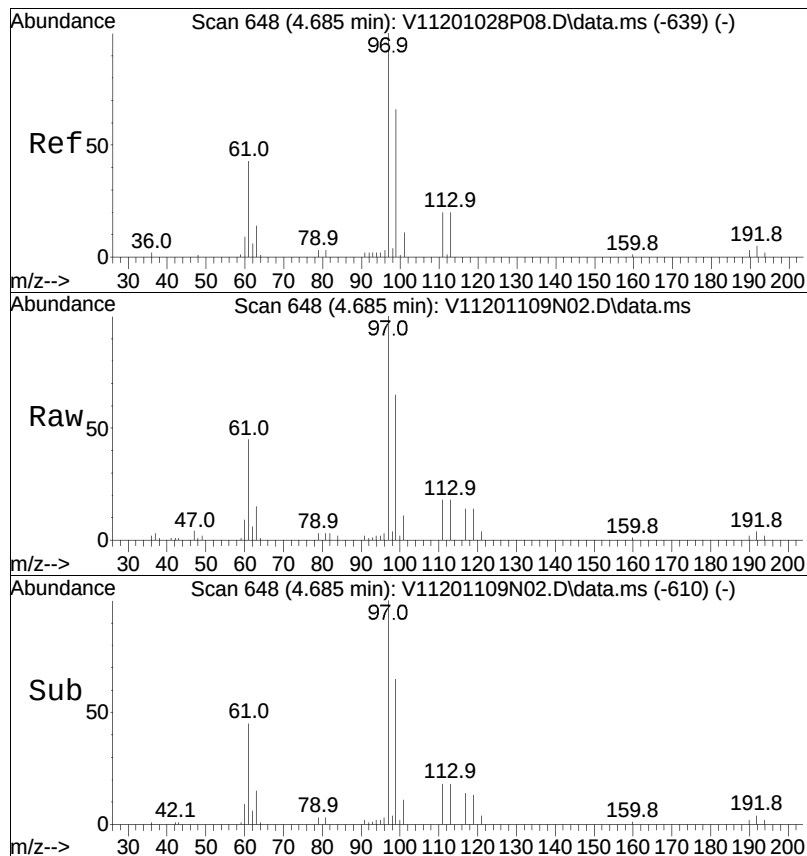




#34
 Carbon tetrachloride
 Concen: 43.66 ug/L
 RT: 4.627 min Scan# 637
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

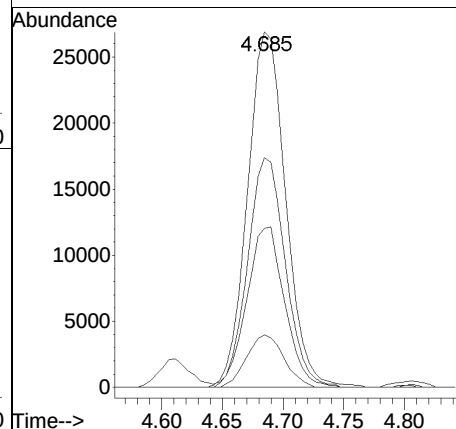
Tgt Ion:	117	Resp:	53274
Ion Ratio	Lower	Upper	
117	100		
119	96.6	64.0	132.8
121	32.0	20.7	42.9
82	25.4	16.3	33.8

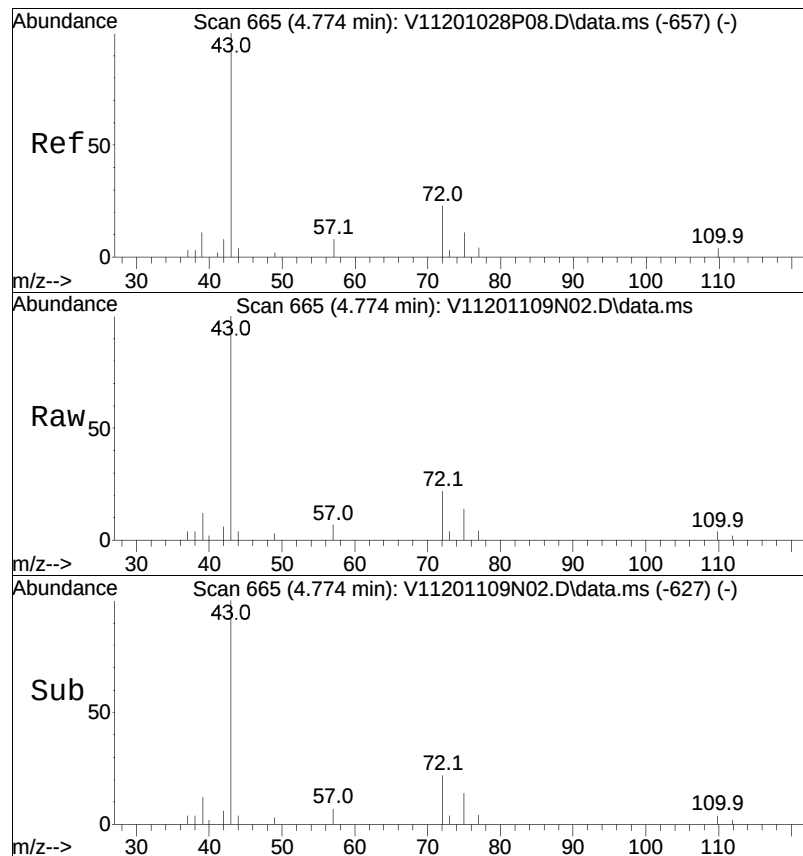




#37
 1,1,1-Trichloroethane
 Concen: 47.48 ug/L
 RT: 4.685 min Scan# 648
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

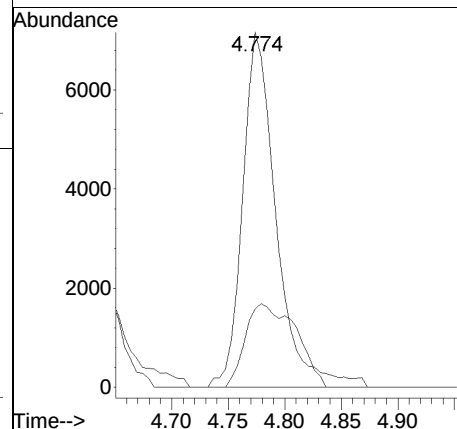
Tgt Ion:	97	Resp:	58870
Ion Ratio	Lower	Upper	
97	100		
99	63.9	41.5	86.1
61	45.0	32.2	67.0
63	14.5	10.1	20.9

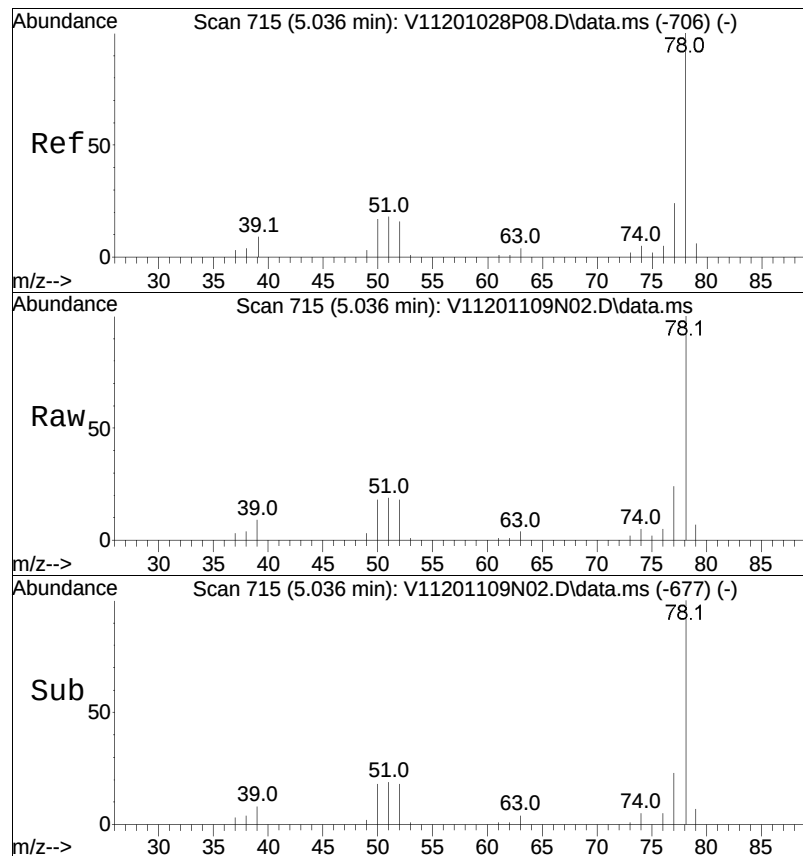




#39
 2-Butanone
 Concen: 47.07 ug/L
 RT: 4.774 min Scan# 665
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

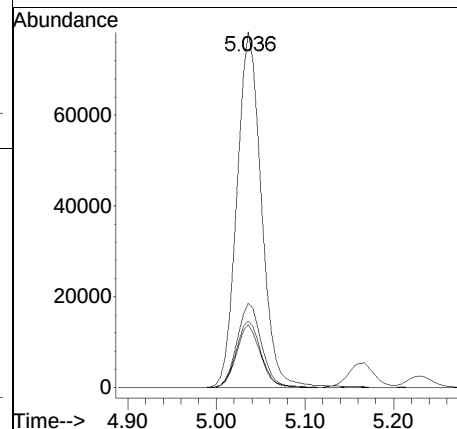
Tgt	Ion	Ratio	Lower	Upper
43	100			
72	35.4	21.0	31.6	

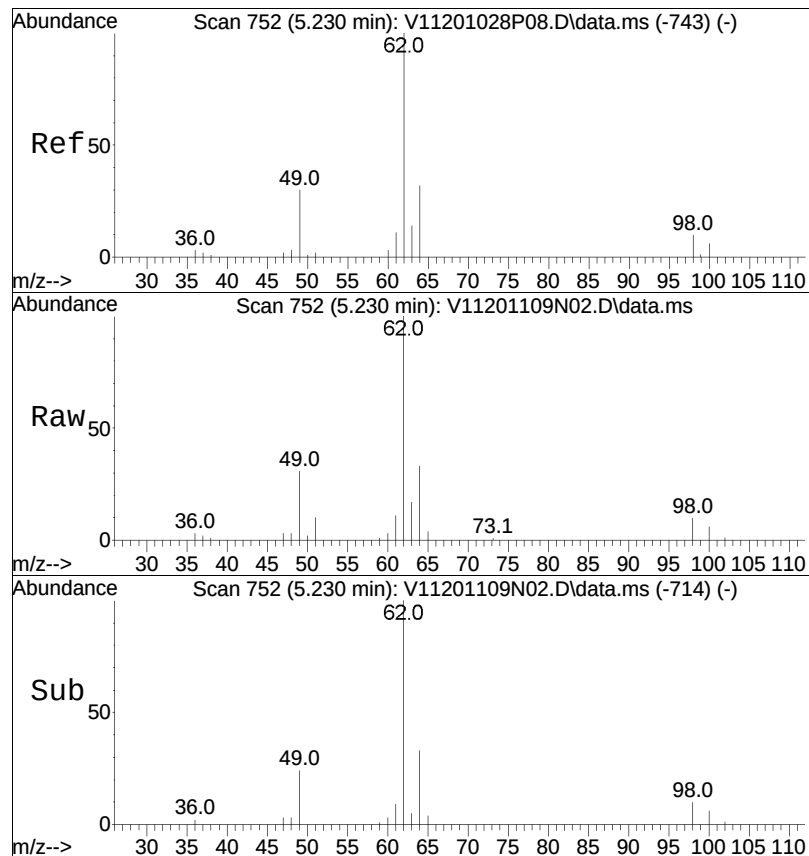




#41
Benzene
Concen: 46.01 ug/L
RT: 5.036 min Scan# 715
Delta R.T. -0.000 min
Lab File: V11201109N02.D
Acq: 09 Nov 2020 05:38 pm

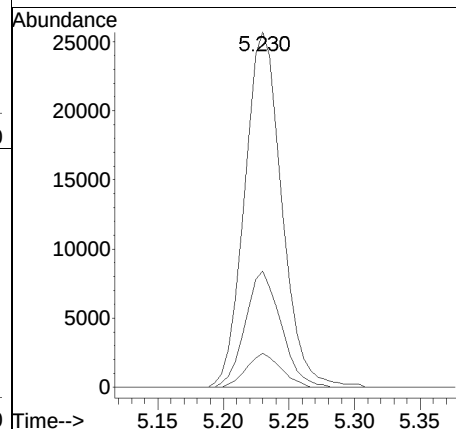
Tgt Ion:	78	Resp:	150354
Ion Ratio	Lower	Upper	
78	100		
77	23.6	15.1	31.3
51	18.8	15.8	32.8
52	17.2	15.6	32.4

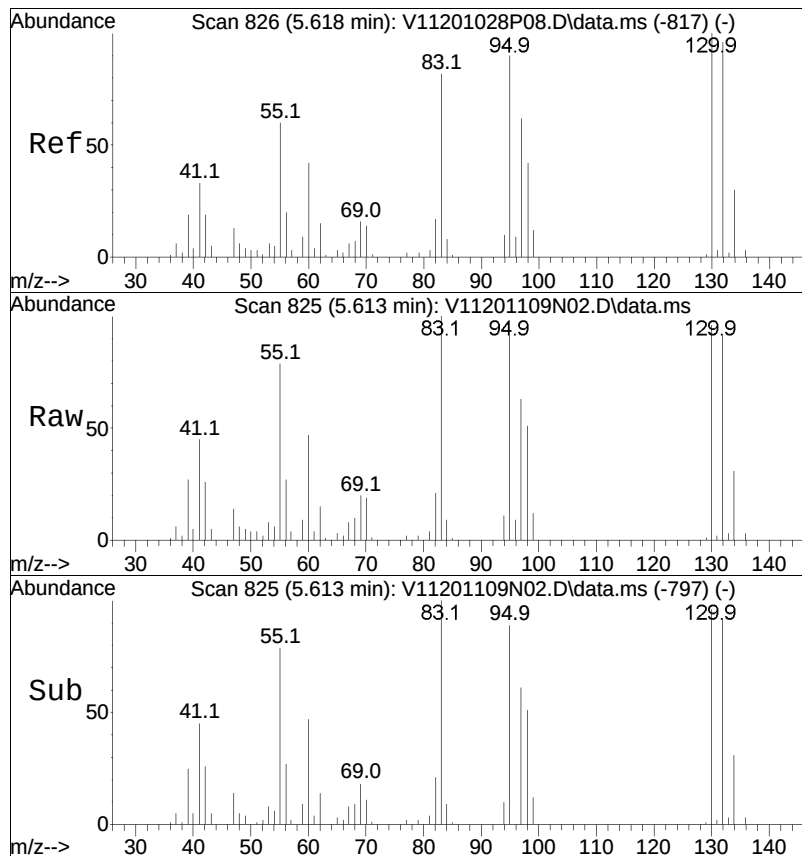




#44
 1,2-Dichloroethane
 Concen: 43.26 ug/L
 RT: 5.230 min Scan# 752
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

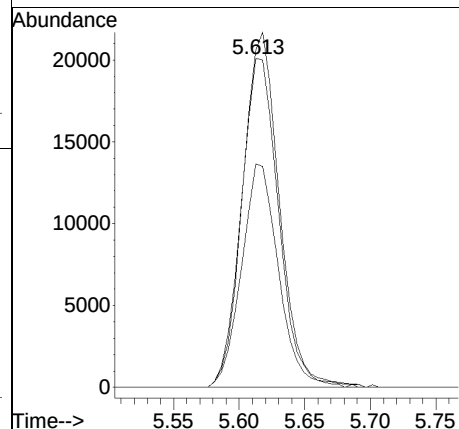
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.5	11.1	51.1
98	9.0	0.0	28.0

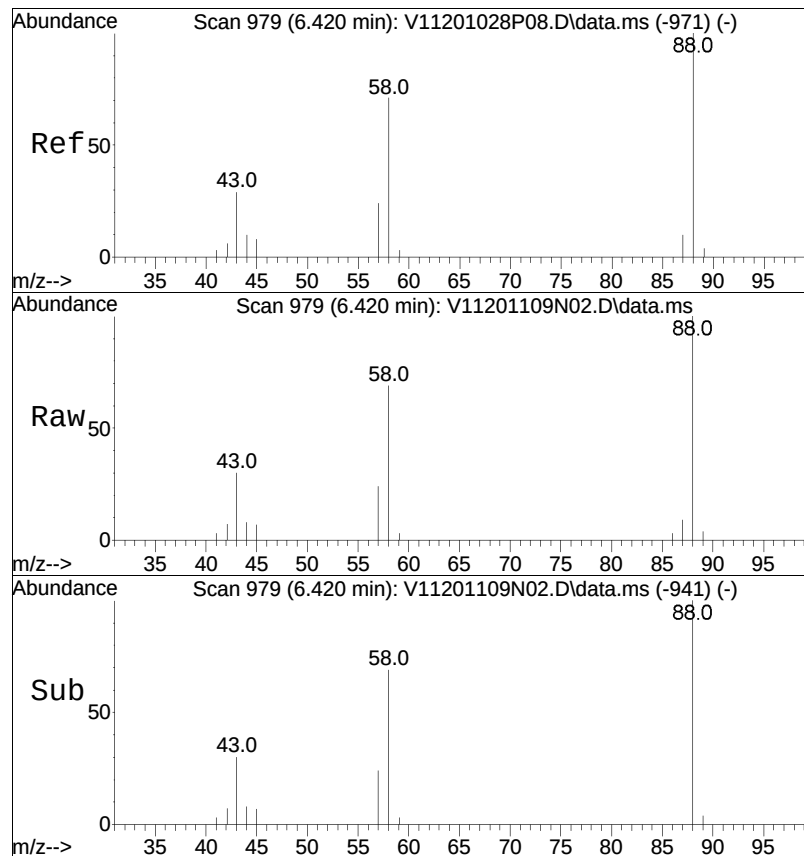




#48
 Trichloroethene
 Concen: 48.04 ug/L
 RT: 5.613 min Scan# 825
 Delta R.T. -0.005 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

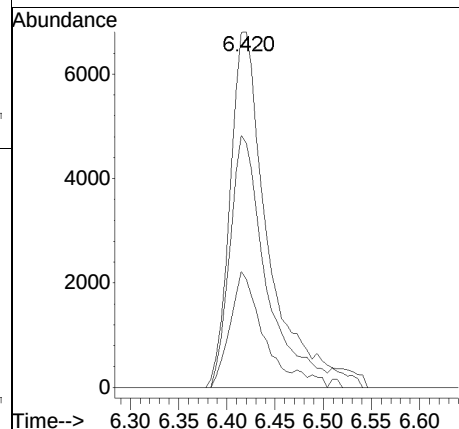
Tgt Ion:	95	Resp:	39978
Ion Ratio	Lower	Upper	
95	100		
97	67.2	54.3	81.5
130	105.9	84.6	126.8

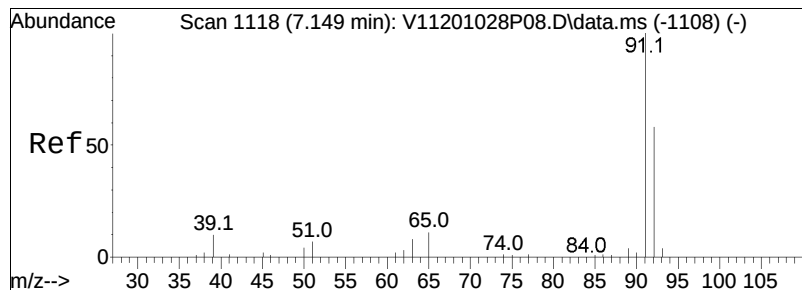




#57
 1,4-Dioxane
 Concen: 2337.96 ug/L
 RT: 6.420 min Scan# 979
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

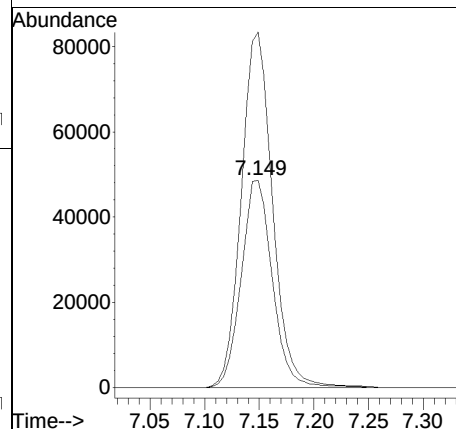
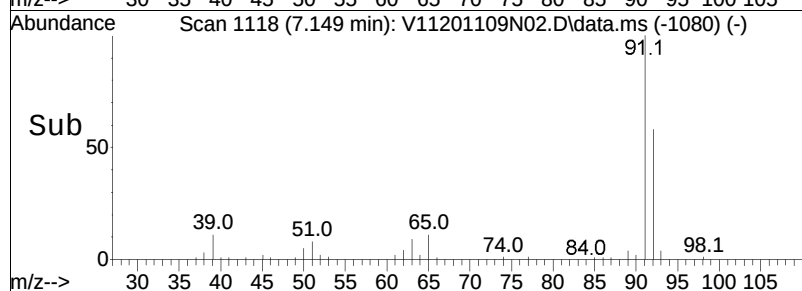
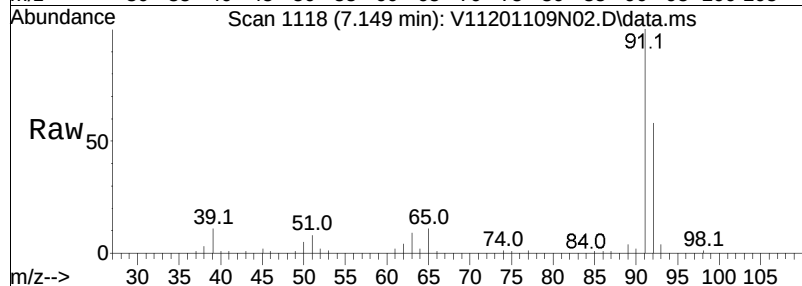
Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.3	75.4	113.0#
43	29.5	33.5	50.3#

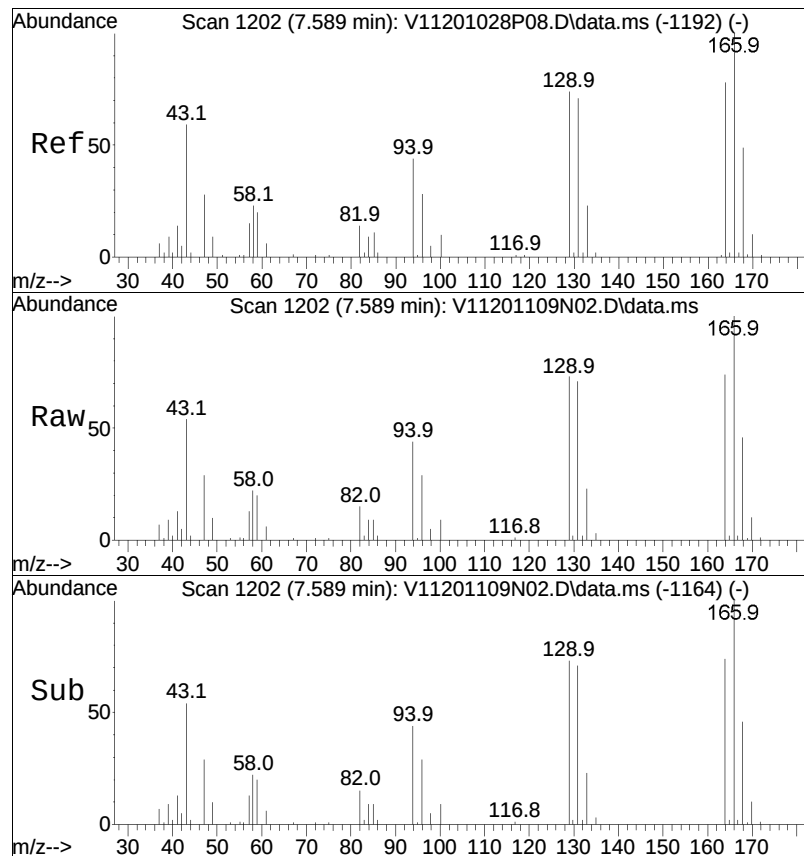




#61
Toluene
Concen: 42.15 ug/L
RT: 7.149 min Scan# 1118
Delta R.T. -0.000 min
Lab File: V11201109N02.D
Acq: 09 Nov 2020 05:38 pm

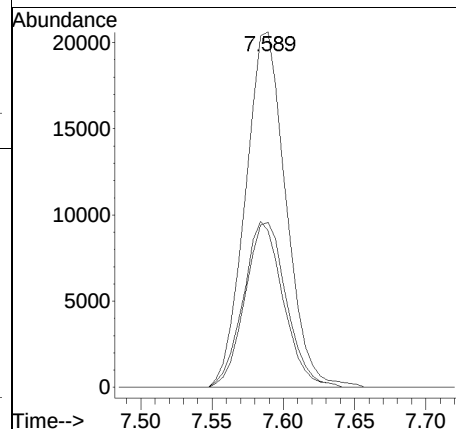
Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.2	133.7	200.5

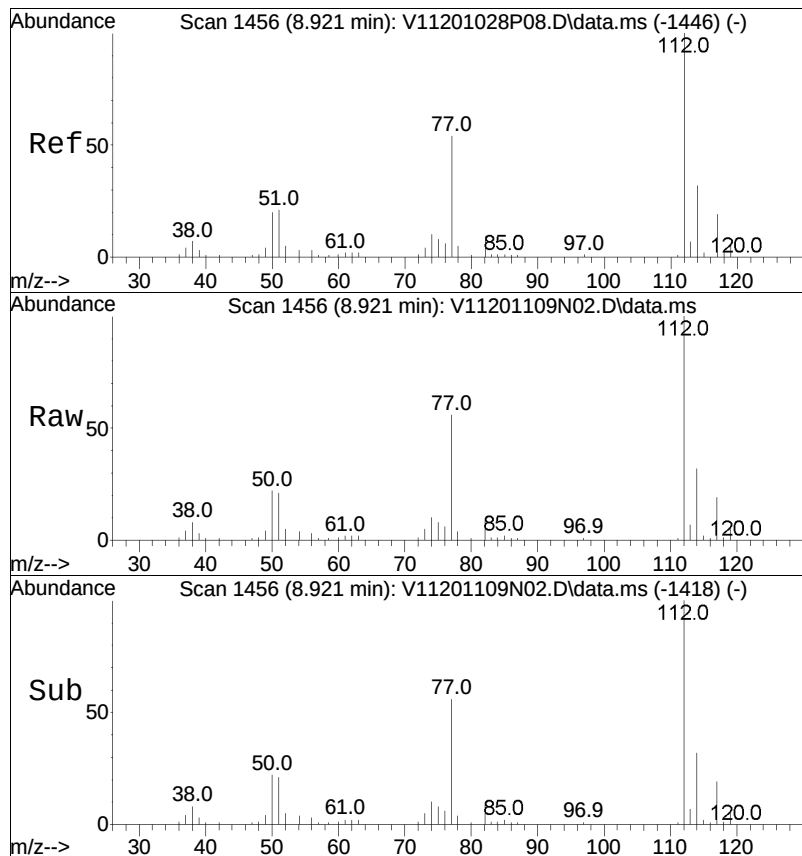




#63
 Tetrachloroethene
 Concen: 44.95 ug/L
 RT: 7.589 min Scan# 1202
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

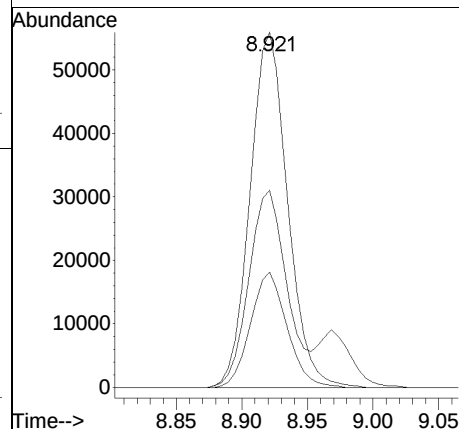
Tgt Ion:	166	Resp:	40905
Ion Ratio	Lower	Upper	
166	100		
168	47.2	28.2	68.2
94	46.0	26.3	66.3

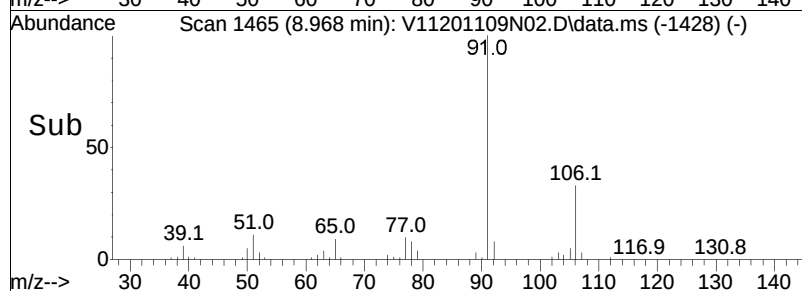
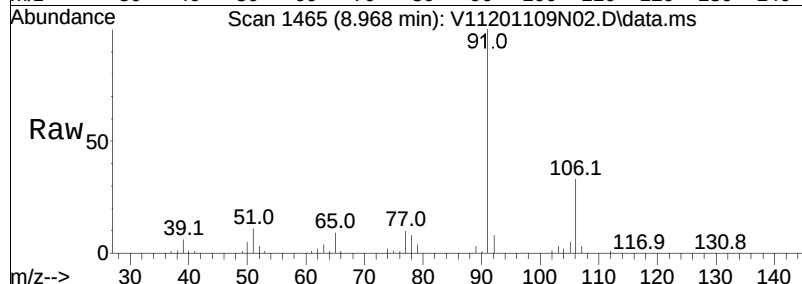
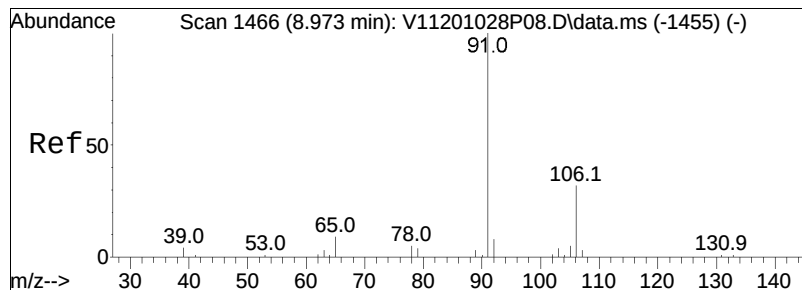




#73
 Chlorobenzene
 Concen: 42.35 ug/L
 RT: 8.921 min Scan# 1456
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

Tgt	Ion:112	Resp:	111255
Ion	Ratio	Lower	Upper
112	100		
77	56.7	47.0	70.4
114	31.5	25.9	38.9





#74

Ethylbenzene

Concen: 43.74 ug/L

RT: 8.968 min Scan# 1465

Delta R.T. -0.005 min

Lab File: V11201109N02.D

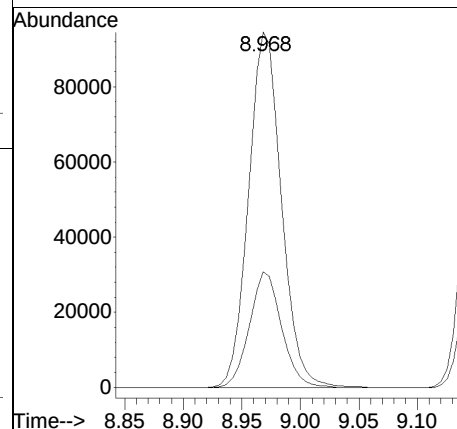
Acq: 09 Nov 2020 05:38 pm

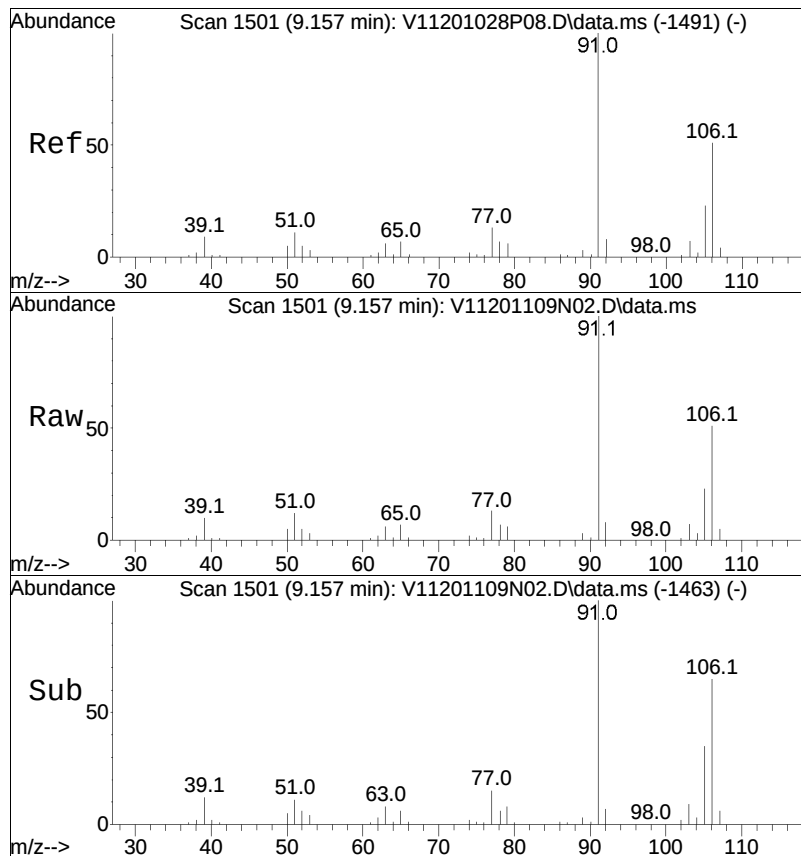
Tgt Ion: 91 Resp: 184238

Ion Ratio Lower Upper

91 100

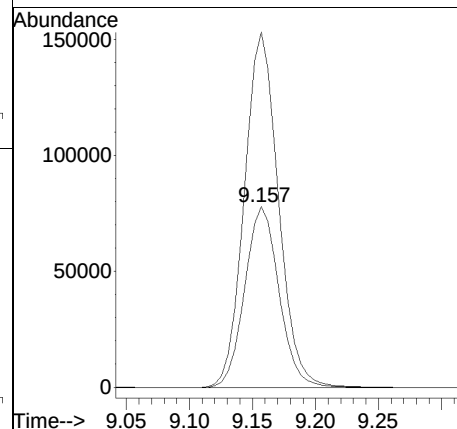
106 31.7 25.0 37.4

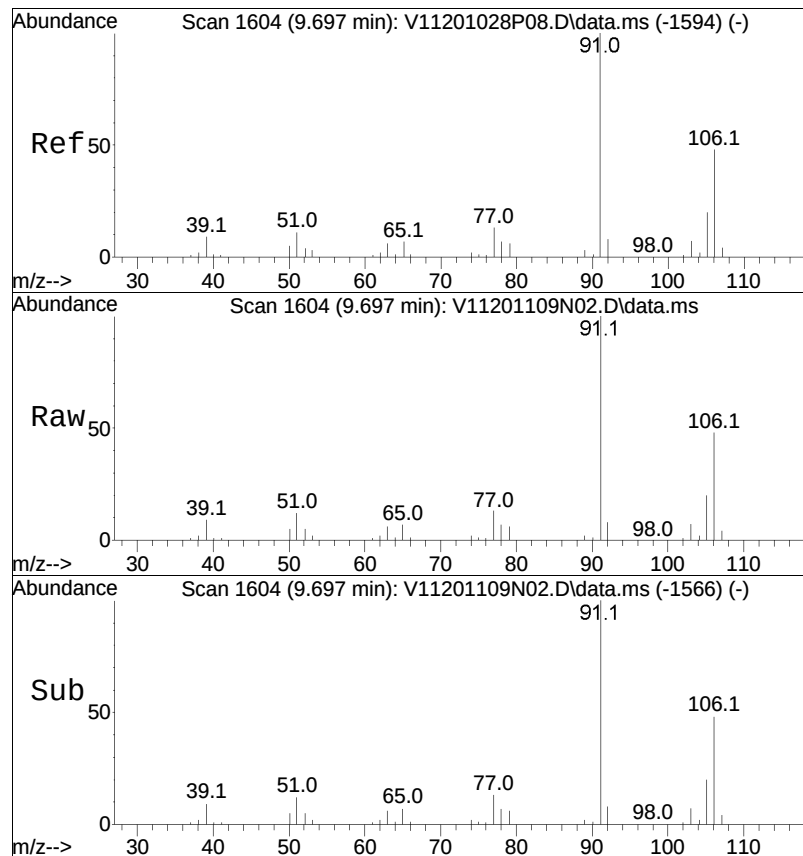




#76
 p/m Xylene
 Concen: 91.64 ug/L
 RT: 9.157 min Scan# 1501
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

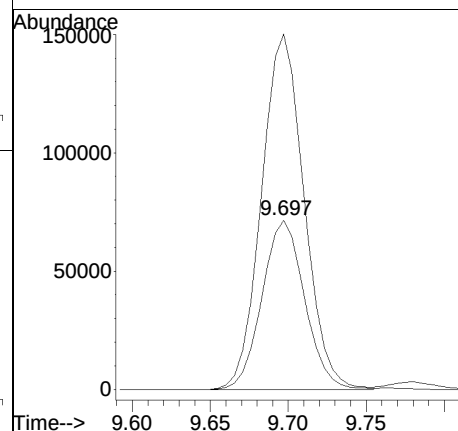
Tgt Ion	106	91	Ratio	100	Resp	147143	Lower	Upper
106	100							
91	195.6						159.3	238.9

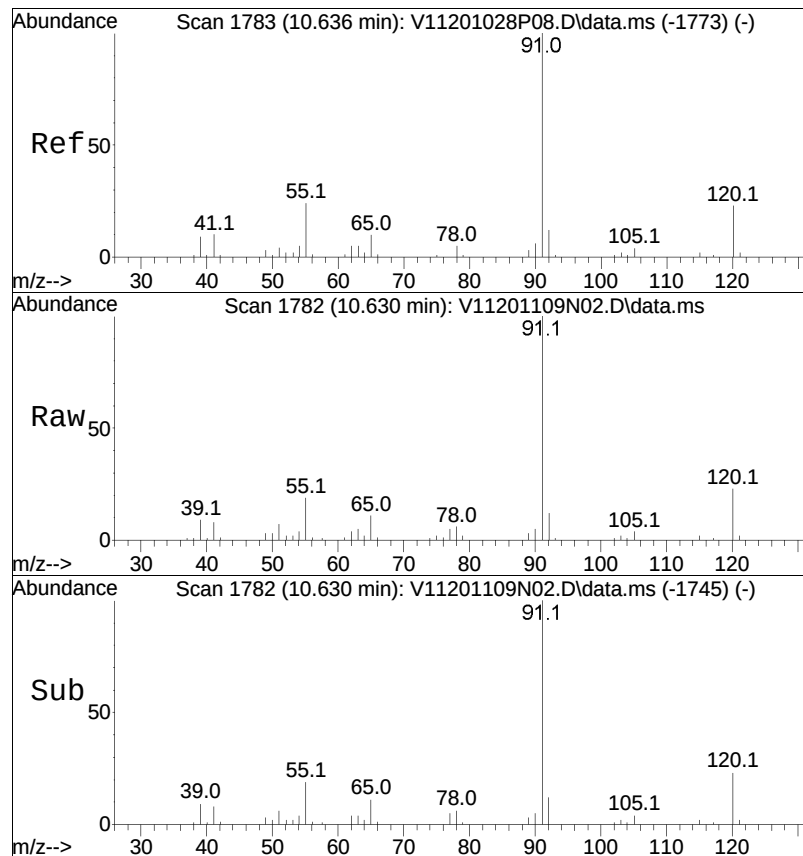




#77
 o Xylene
 Concen: 90.23 ug/L
 RT: 9.697 min Scan# 1604
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

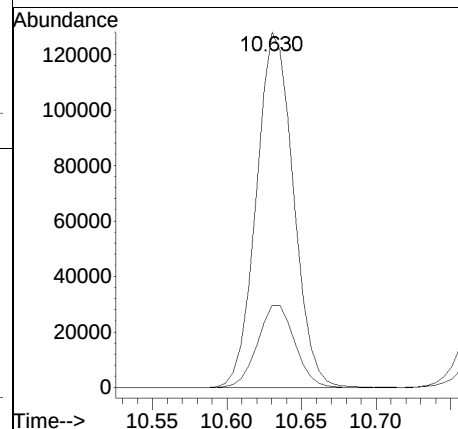
Tgt Ion:106 Resp: 135297
 Ion Ratio Lower Upper
 106 100
 91 210.1 170.2 255.2

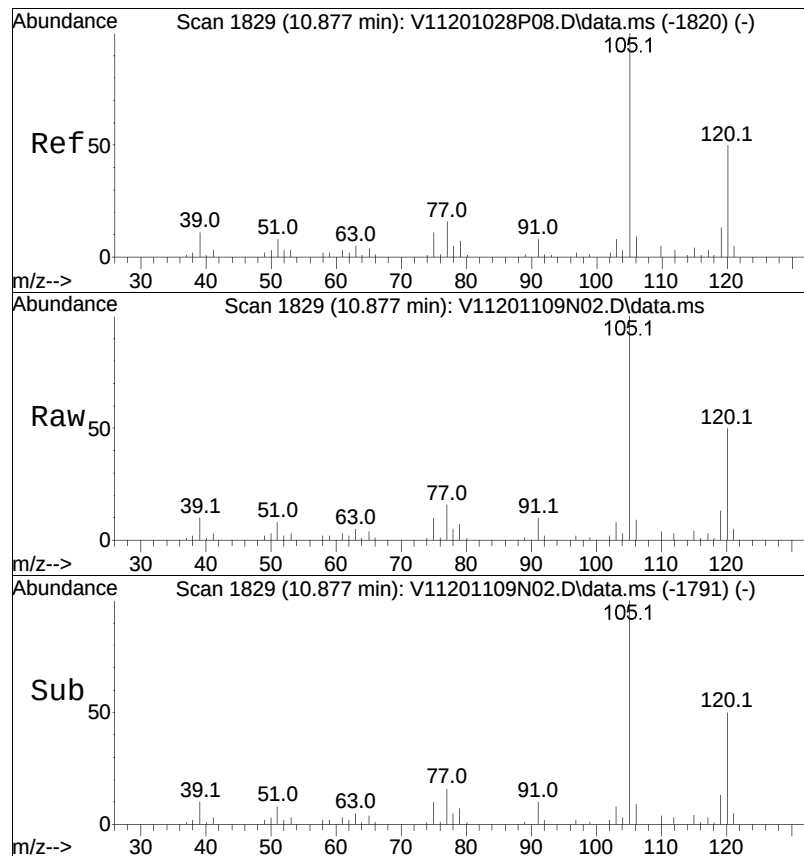




#85
 n-Propylbenzene
 Concen: 42.65 ug/L
 RT: 10.630 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

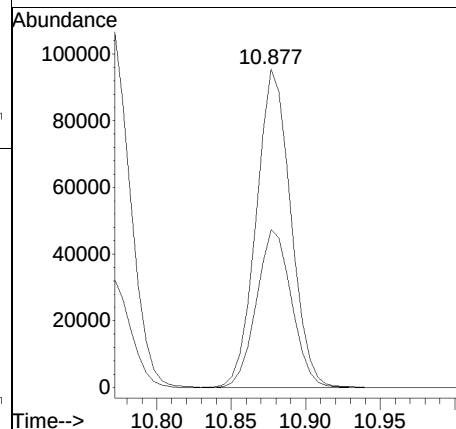
Tgt	Ion	Resp	Lower	Upper
91	100	220574		
120	23.3	18.6	27.8	

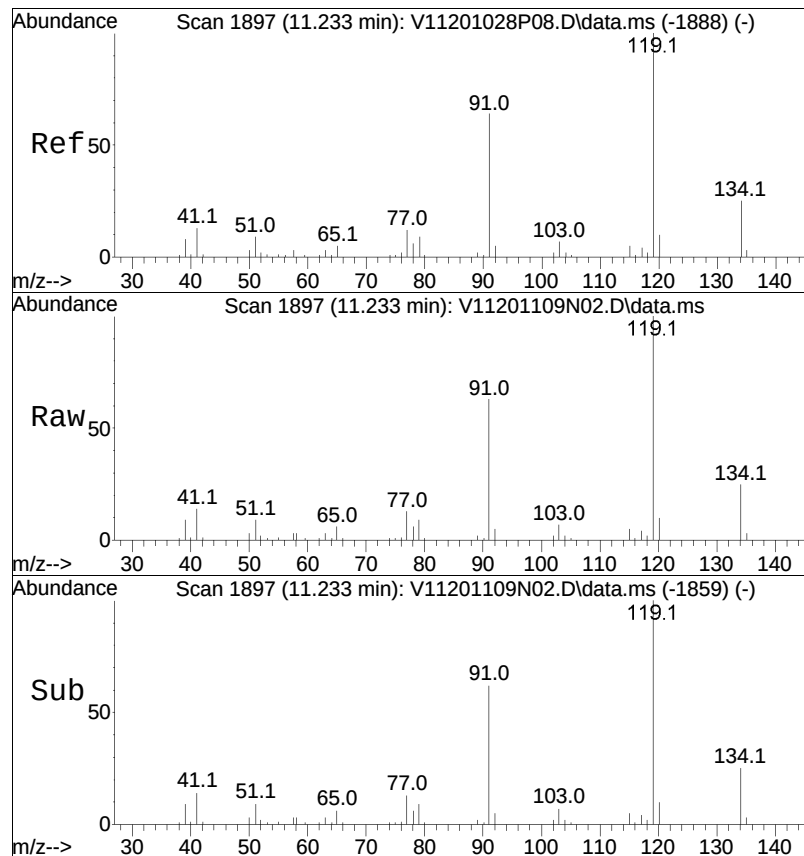




#90
 1,3,5-Trimethylbenzene
 Concen: 43.19 ug/L
 RT: 10.877 min Scan# 1829
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

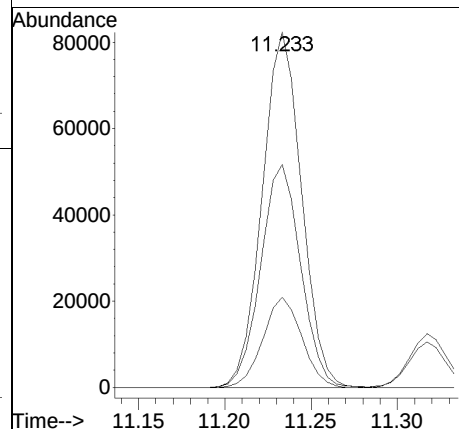
Tgt Ion	105	120	Ratio	Lower	Upper
Resp	153837				
Ion	100				
Ratio		50.4		39.8	59.8

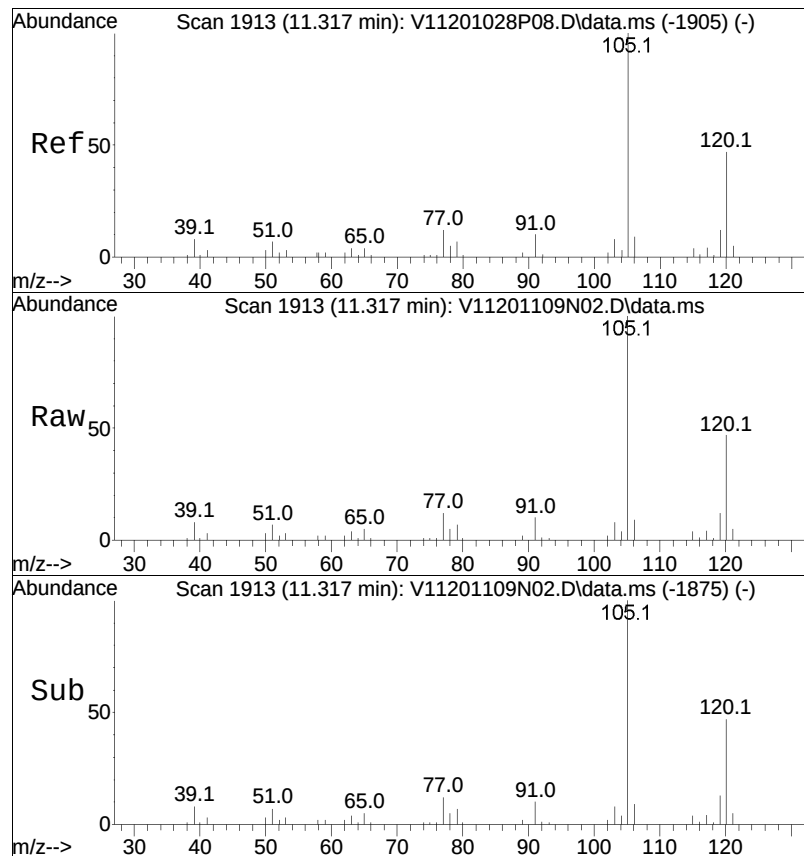




#94
 tert-Butylbenzene
 Concen: 43.17 ug/L
 RT: 11.233 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

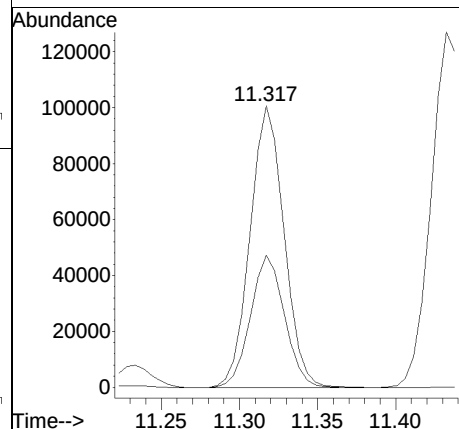
Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.7	53.0	79.4
134	25.0	19.8	29.6

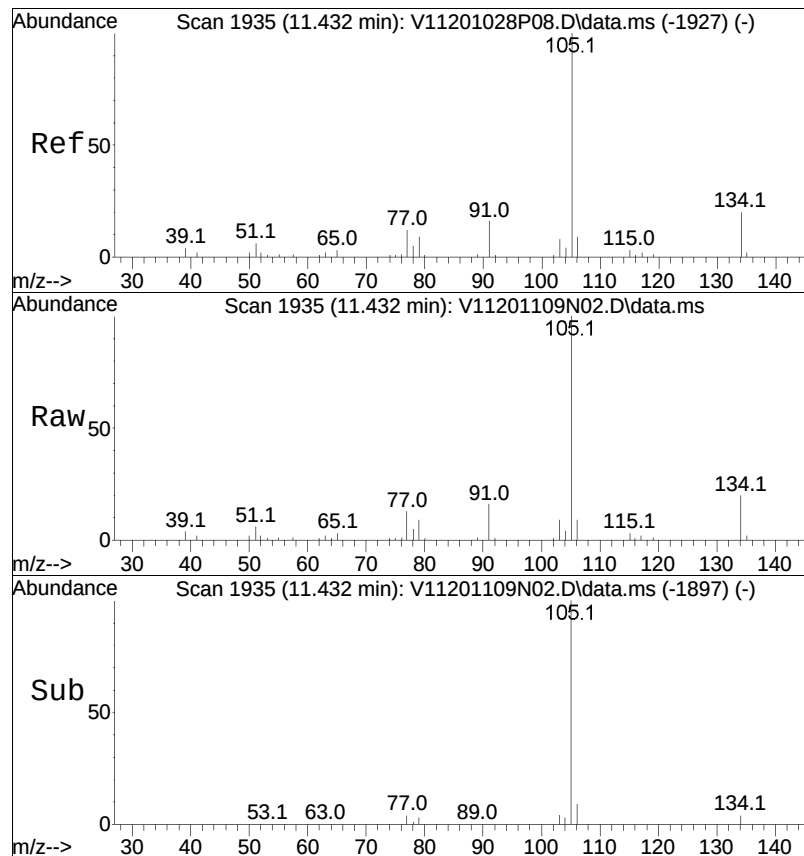




#97
 1,2,4-Trimethylbenzene
 Concen: 44.00 ug/L
 RT: 11.317 min Scan# 1913
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

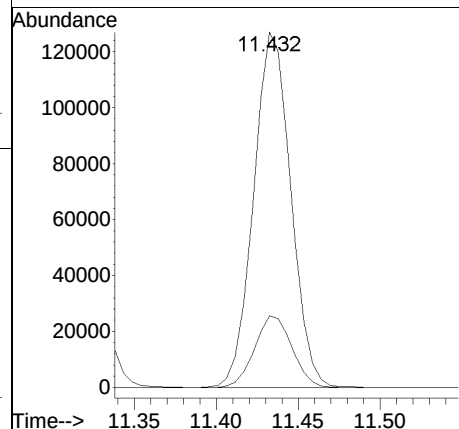
Tgt Ion	105	120	Ratio	Lower	Upper
Resp	152153				
105	100				
120	46.9		37.4	56.0	

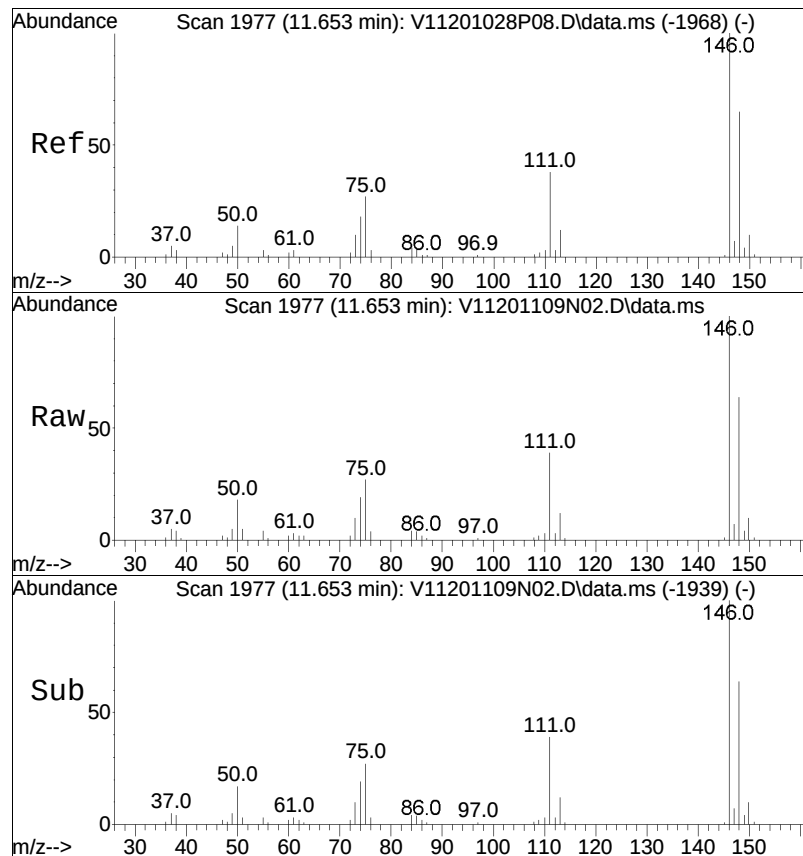




#98
 sec-Butylbenzene
 Concen: 43.61 ug/L
 RT: 11.432 min Scan# 1935
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

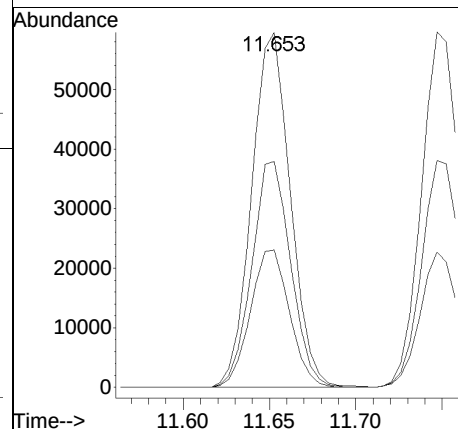
Tgt Ion	105	134	Ratio	Lower	Upper
105	100				
134	20.2		13.2	27.4	

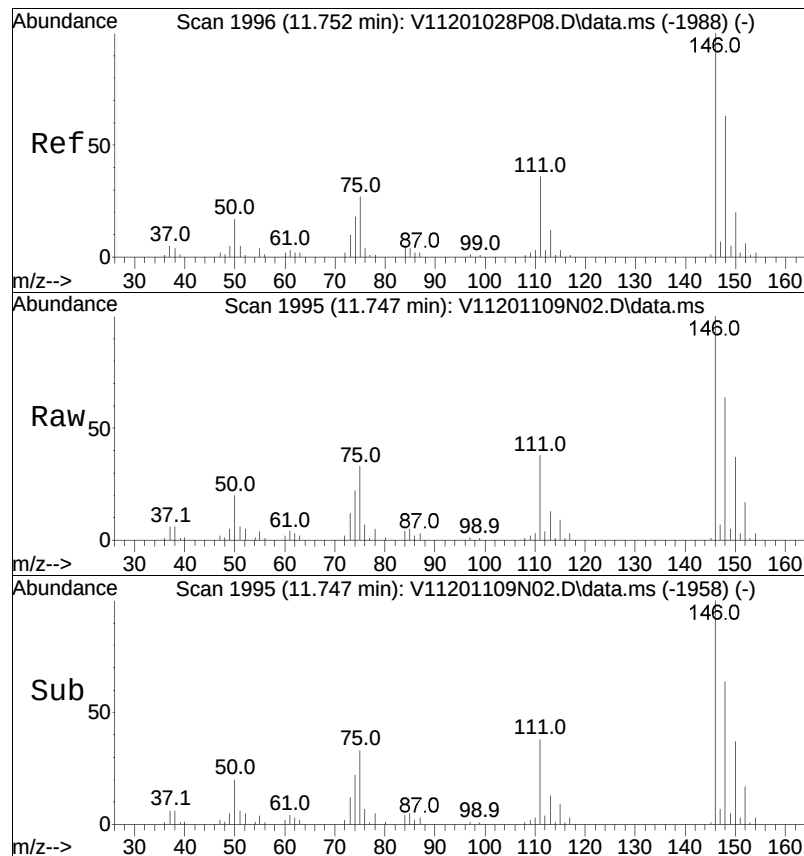




#100
 1,3-Dichlorobenzene
 Concen: 41.33 ug/L
 RT: 11.653 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

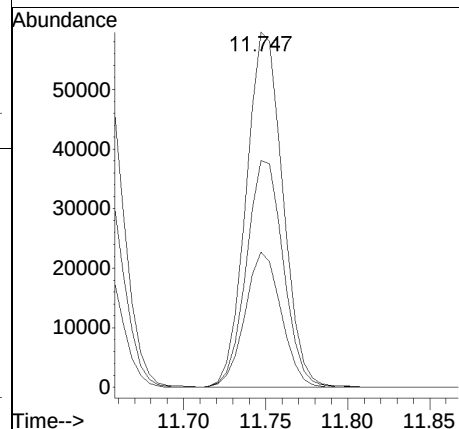
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	25.6	53.2
148	63.9	41.3	85.9

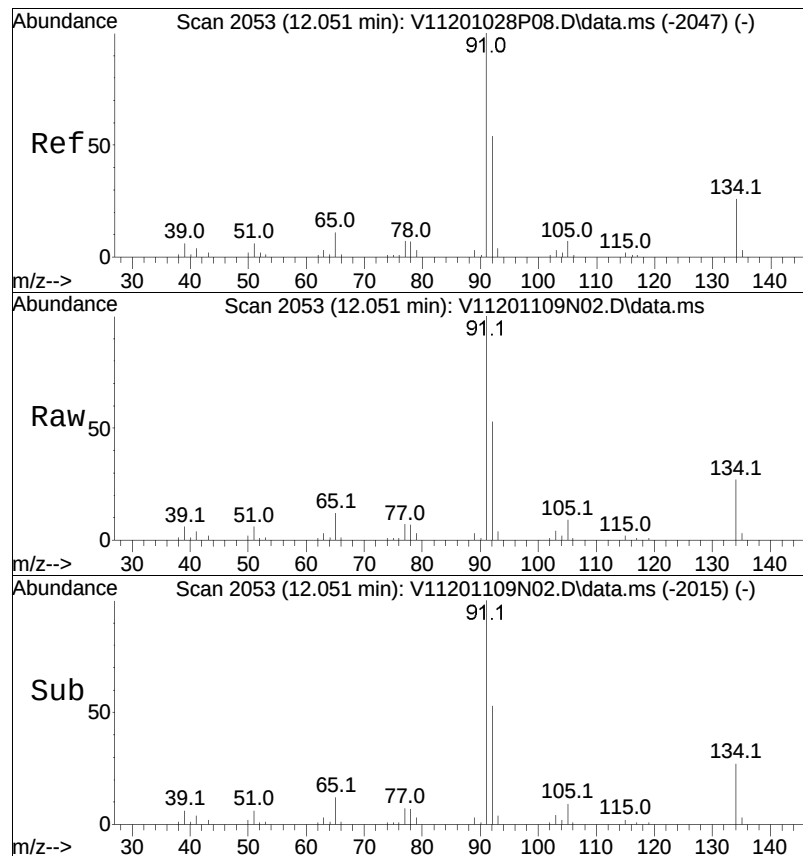




#101
 1,4-Dichlorobenzene
 Concen: 39.82 ug/L
 RT: 11.747 min Scan# 1995
 Delta R.T. -0.005 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

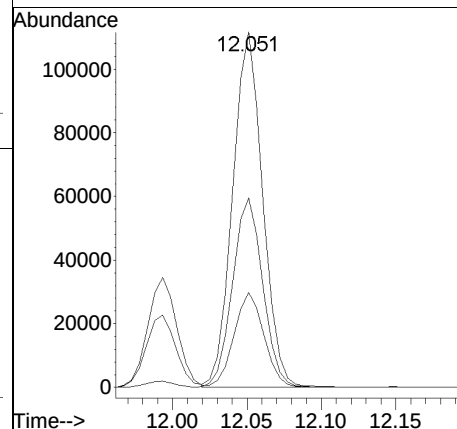
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	31.4	47.0
148	64.4	50.7	76.1

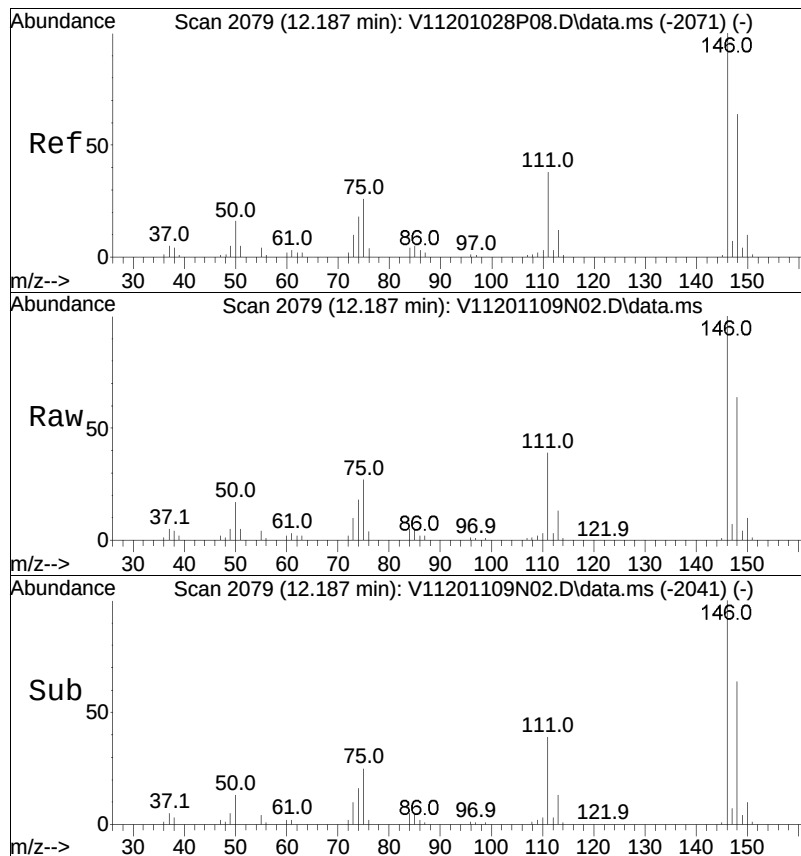




#103
 n-Butylbenzene
 Concen: 43.98 ug/L
 RT: 12.051 min Scan# 2053
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

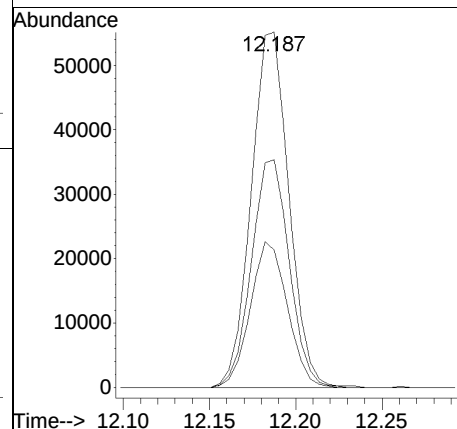
Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.3	64.9
134	26.8	21.4	32.0





#104
 1,2-Dichlorobenzene
 Concen: 40.03 ug/L
 RT: 12.187 min Scan# 2079
 Delta R.T. 0.000 min
 Lab File: V11201109N02.D
 Acq: 09 Nov 2020 05:38 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	26.9	55.9
148	64.3	41.2	85.6



Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2020\20Method : V111_201028P_8260.m
Data File : V11201109N02.D Operator : VOA111:AD
Date Inj'd : 11/9/2020 5:38 pm Instrument : VOA111
Sample : WG1432485-4,31H,15,15,0.10Quant Date : 11/9/2020 6:19 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N02.D
 Acq On : 9 Nov 2020 6:57 pm
 Operator : VOA104:AD
 Sample : WG1432466-4,31,5,5
 Misc : WG1432466,ICAL16845
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 09 19:40:50 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.623	96	182126	20.000	ug/L	0.00
Standard Area 1 = 179103			Recovery =	101.69%		
59) Chlorobenzene-d5	9.104	117	128766	20.000	ug/L	0.00
Standard Area 1 = 129054			Recovery =	99.78%		
79) 1,4-Dichlorobenzene-d4	11.889	152	64522	20.000	ug/L	0.00
Standard Area 1 = 65943			Recovery =	97.85%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.842	113	43223	16.452	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	82.26%		
43) 1,2-Dichloroethane-d4	5.356	65	34389	15.823	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	79.12%		
60) Toluene-d8	7.280	98	172985	20.223	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.11%		
83) 4-Bromofluorobenzene	10.641	95	60173	20.427	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.13%		
Target Compounds						
						Qvalue
4) Vinyl chloride	1.748	62	98256	37.567	ug/L	99
10) 1,1-Dichloroethene	2.708	96	82669	38.276	ug/L	97
15) Methylene chloride	3.227	84	91844	34.356	ug/L	98
17) Acetone	3.264	43	12792	30.679	ug/L #	85
18) trans-1,2-Dichloroethene	3.363	96	93067	35.860	ug/L	98
20) Methyl tert-butyl ether	3.447	73	188832	32.893	ug/L	97
23) 1,1-Dichloroethane	3.914	63	175326	37.634	ug/L	100
28) cis-1,2-Dichloroethene	4.417	96	106605	36.640	ug/L	97
32) Chloroform	4.674	83	152679	30.486	ug/L	98
34) Carbon tetrachloride	4.789	117	131895	30.676	ug/L	99
37) 1,1,1-Trichloroethane	4.852	97	133980	32.345	ug/L	98
39) 2-Butanone	4.957	43	23380	39.454	ug/L #	85
41) Benzene	5.209	78	363307	35.623	ug/L	100
44) 1,2-Dichloroethane	5.419	62	109546	35.014	ug/L	99
48) Trichloroethene	5.796	95	101264	35.435	ug/L	99
57) 1,4-Dioxane	6.614	88	37205	2655.933	ug/L	97
61) Toluene	7.338	92	226190	37.777	ug/L	99
63) Tetrachloroethene	7.778	166	104292	38.945	ug/L	99
73) Chlorobenzene	9.125	112	255101	34.146	ug/L	100
74) Ethylbenzene	9.162	91	428596	37.724	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N02.D
 Acq On : 9 Nov 2020 6:57 pm
 Operator : VOA104:AD
 Sample : WG1432466-4,31,5,5
 Misc : WG1432466,ICAL16845
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 09 19:40:50 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2020\201109N\V04201109N01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	p/m Xylene	9.346	106	325496	72.327	ug/L	99
77)	o Xylene	9.891	106	325199	72.271	ug/L	97
85)	n-Propylbenzene	10.798	91	530642	41.203	ug/L	99
90)	1,3,5-Trimethylbenzene	11.034	105	372860	40.162	ug/L	99
94)	tert-Butylbenzene	11.385	119	316282	40.283	ug/L	98
97)	1,2,4-Trimethylbenzene	11.469	105	366135	39.716	ug/L	100
98)	sec-Butylbenzene	11.579	105	474901	41.289	ug/L	99
100)	1,3-Dichlorobenzene	11.810	146	214978	38.144	ug/L	99
101)	1,4-Dichlorobenzene	11.904	146	213515	37.274	ug/L	99
103)	n-Butylbenzene	12.182	91	356366	40.069	ug/L	99
104)	1,2-Dichlorobenzene	12.334	146	191766	37.615	ug/L	98

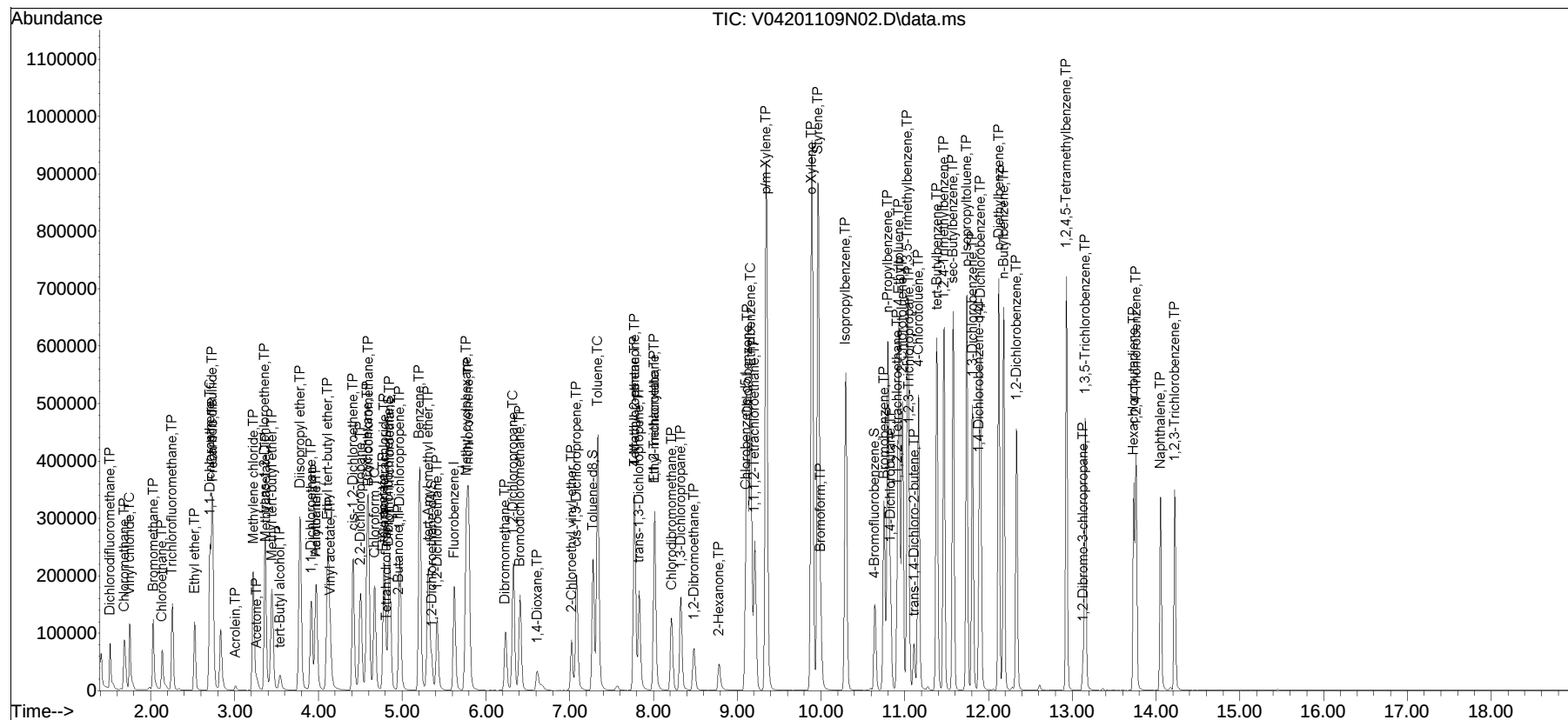
(#) = qualifier out of range (m) = manual integration (+) = signals summed

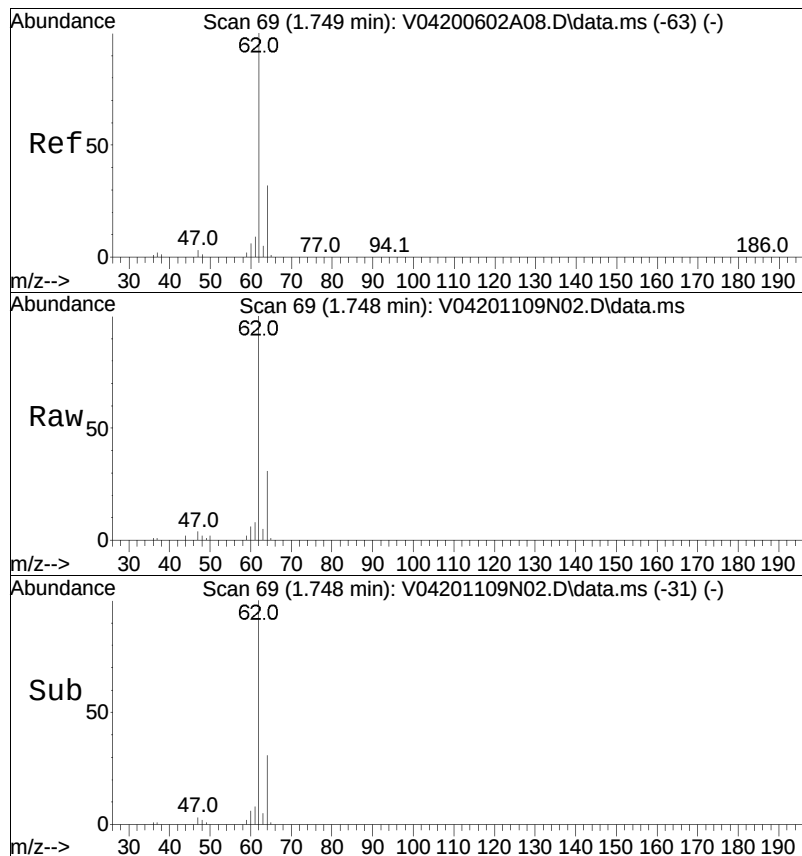
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\201109N\
 Data File : V04201109N02.D
 Acq On : 9 Nov 2020 6:57 pm
 Operator : VOA104:AD
 Sample : WG1432466-4,31,5,5
 Misc : WG1432466,ICAL16845
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 09 19:40:50 2020
 Quant Method : I:\VOLATILES\VOA104\2020\201109N\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

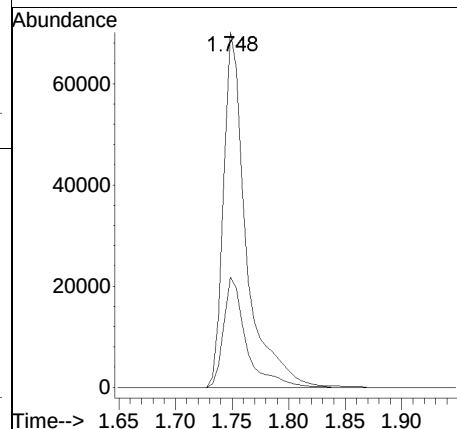
Sub List : 8260-CurveSoil - Megamix plus Diox9N\V04201109N01.D•

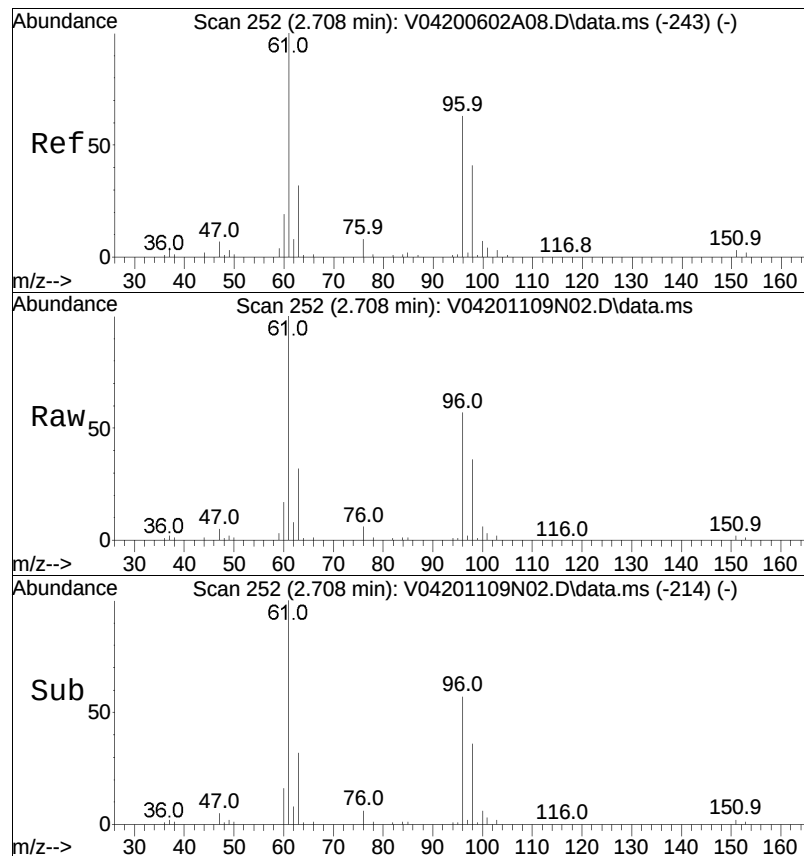




#4
 Vinyl chloride
 Concen: 37.57 ug/L
 RT: 1.748 min Scan# 69
 Delta R.T. -0.001 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

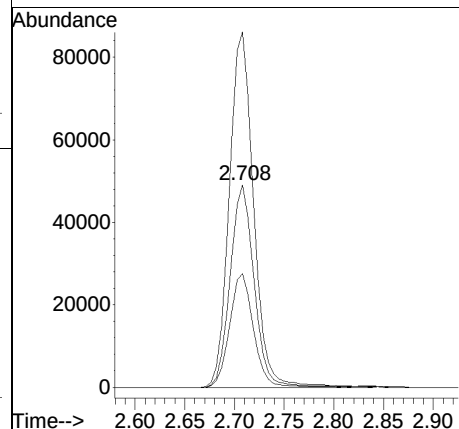
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.0	11.6	51.6

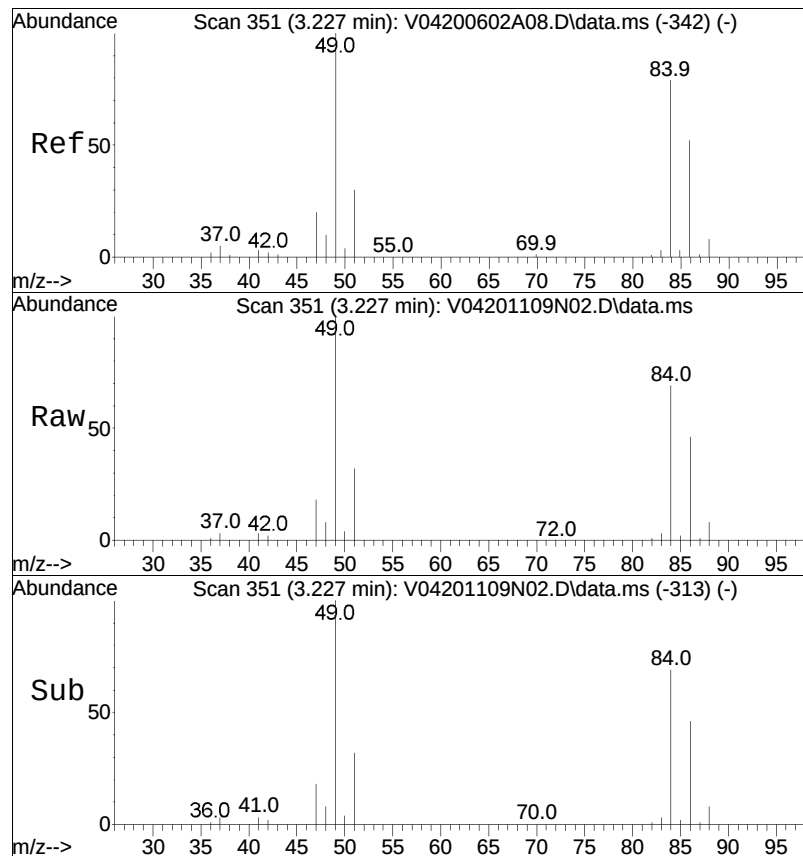




#10
 1,1-Dichloroethene
 Concen: 38.28 ug/L
 RT: 2.708 min Scan# 252
 Delta R.T. -0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

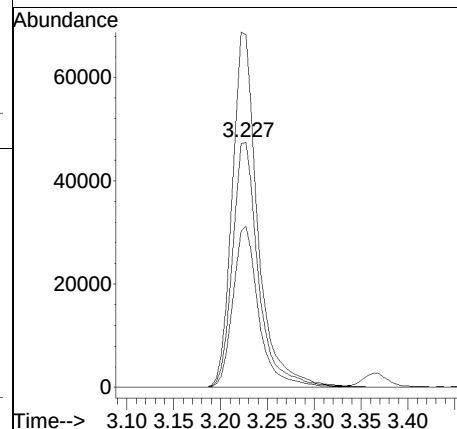
Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.8	145.8	218.6
63	55.9	46.6	69.8

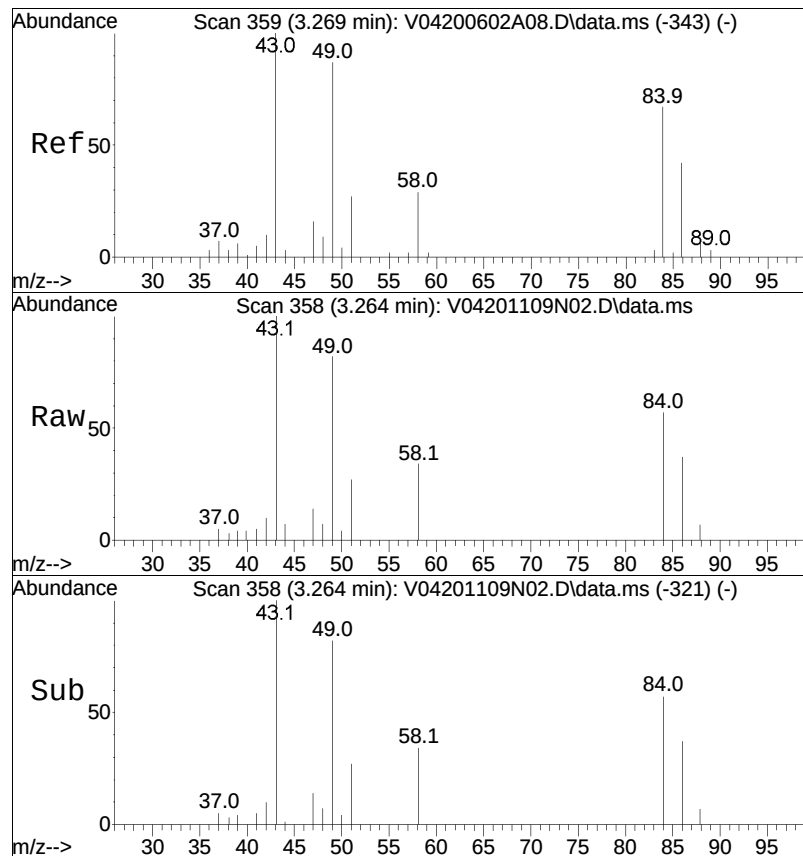




#15
Methylene chloride
Concen: 34.36 ug/L
RT: 3.227 min Scan# 351
Delta R.T. 0.000 min
Lab File: V04201109N02.D
Acq: 9 Nov 2020 6:57 pm

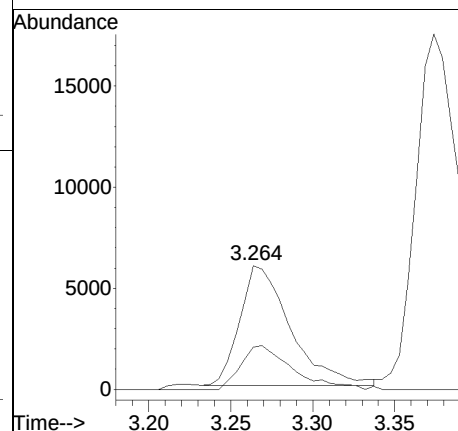
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	65.4	41.3	85.9	
49	142.5	91.0	189.0	

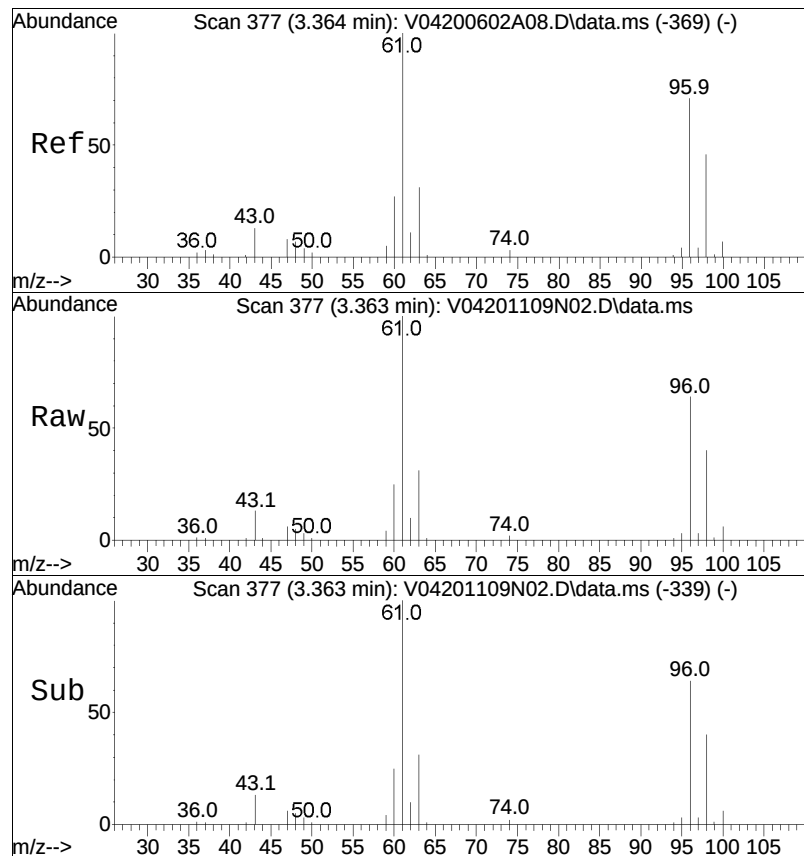




#17
 Acetone
 Concen: 30.68 ug/L
 RT: 3.264 min Scan# 358
 Delta R.T. -0.005 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

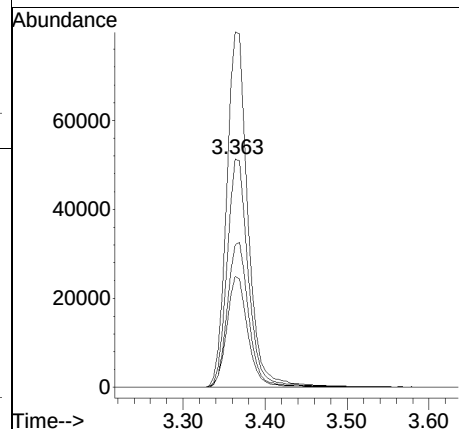
Tgt	Ion	Resp	Lower	Upper
43	100			
58	37.2	23.2	34.8#	

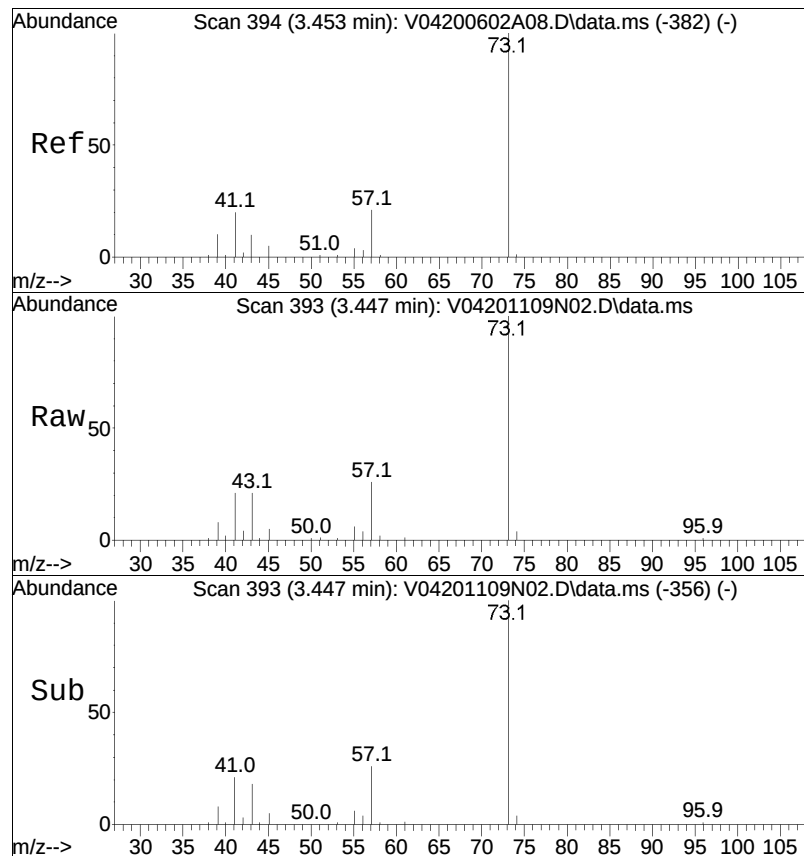




#18
 trans-1,2-Dichloroethene
 Concen: 35.86 ug/L
 RT: 3.363 min Scan# 377
 Delta R.T. -0.001 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

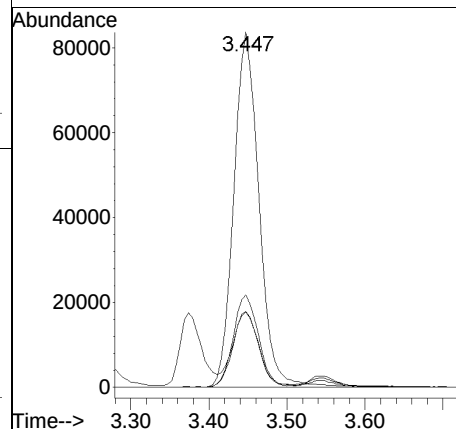
Tgt Ion:	96	Resp:	93067
Ion Ratio	Lower	Upper	
96	100		
61	155.5	103.7	215.3
98	63.8	41.0	85.0
63	48.2	32.1	66.7

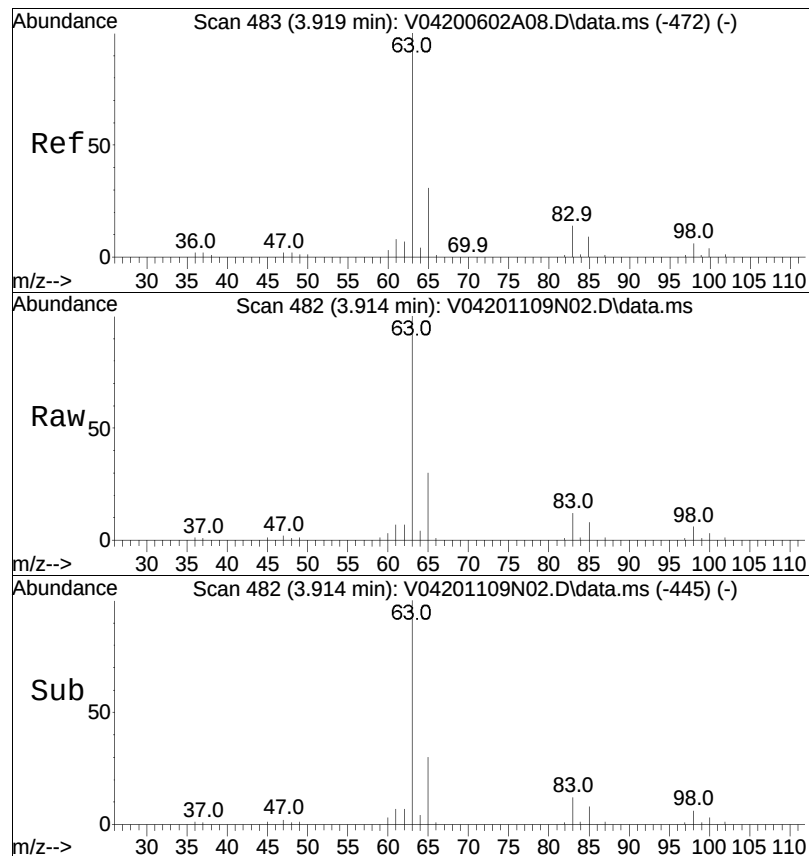




#20
Methyl tert-butyl ether
Concen: 32.89 ug/L
RT: 3.447 min Scan# 393
Delta R.T. -0.006 min
Lab File: V04201109N02.D
Acq: 9 Nov 2020 6:57 pm

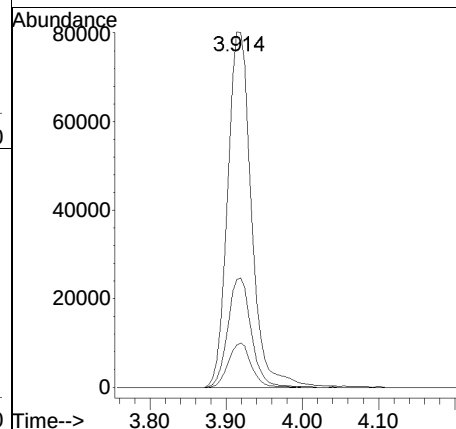
Tgt Ion:	73	Resp:	188832
Ion Ratio	Lower	Upper	
73	100		
57	26.2	16.3	33.9
43	21.5	14.7	30.5
41	21.6	15.4	32.0

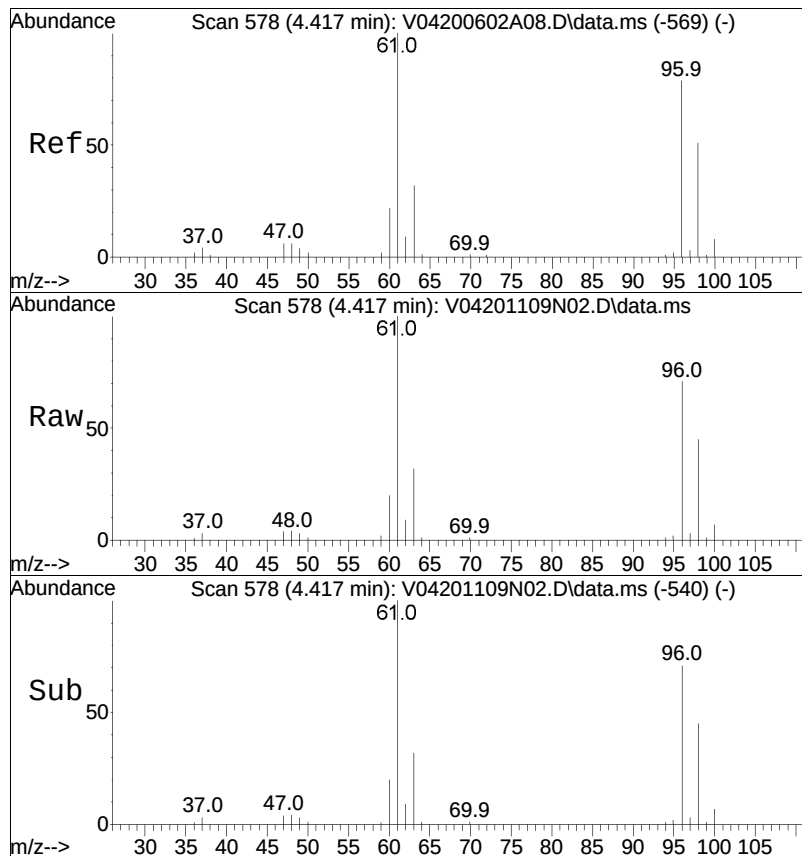




#23
 1,1-Dichloroethane
 Concen: 37.63 ug/L
 RT: 3.914 min Scan# 482
 Delta R.T. -0.005 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

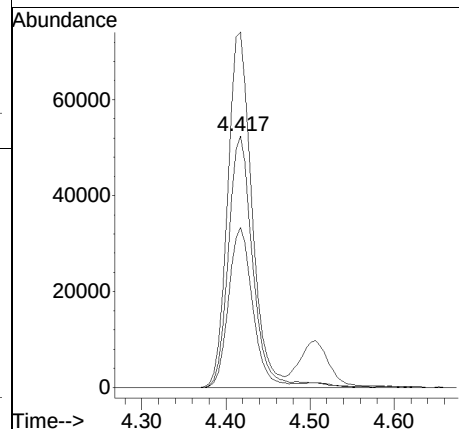
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.2	10.4	50.4
83	11.9	0.0	32.2

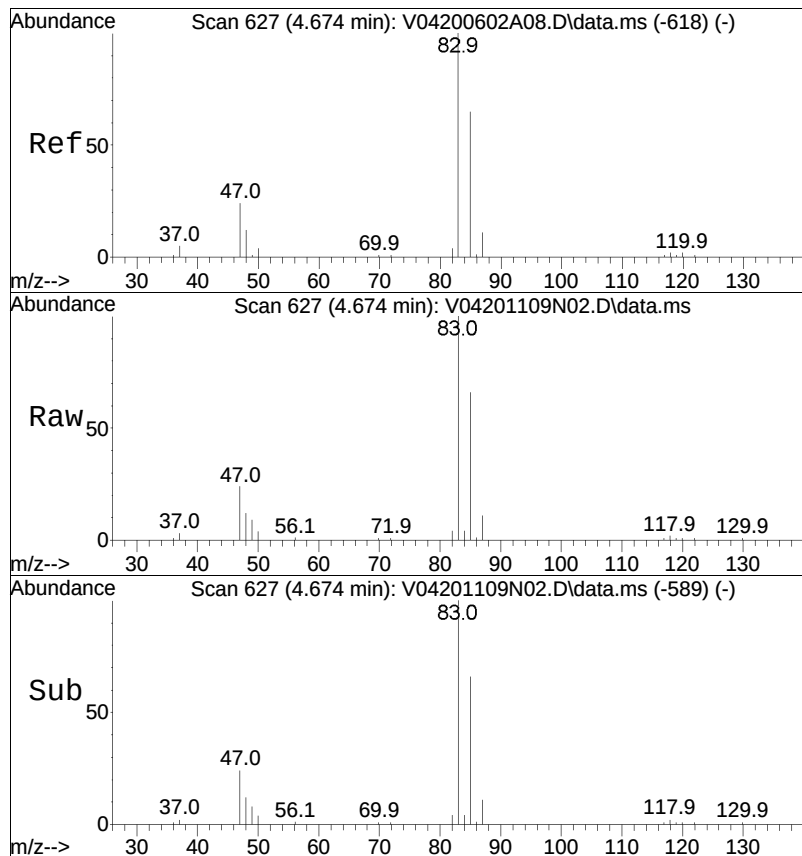




#28
 cis-1,2-Dichloroethene
 Concen: 36.64 ug/L
 RT: 4.417 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

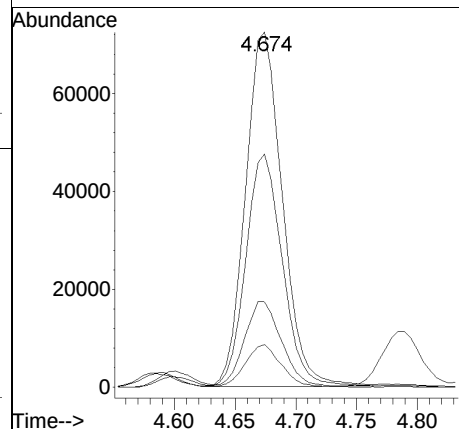
Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.0	114.4	171.6
98	62.6	51.3	76.9

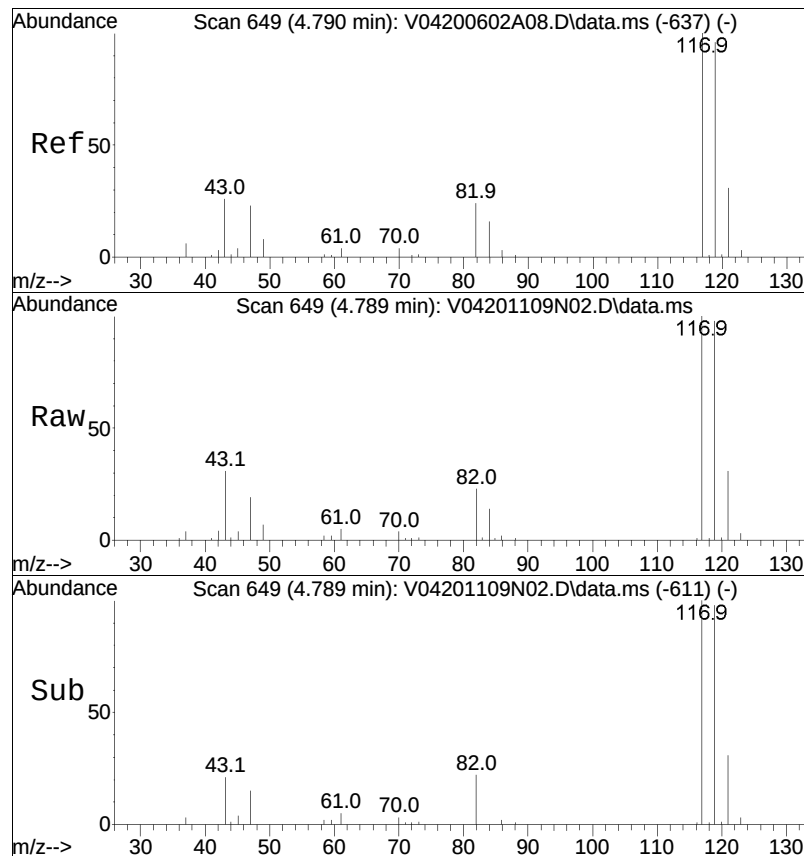




#32
 Chloroform
 Concen: 30.49 ug/L
 RT: 4.674 min Scan# 627
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

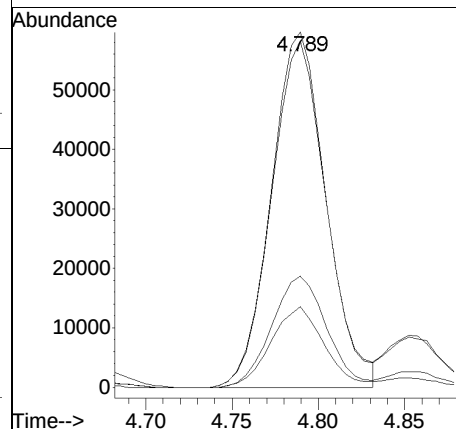
Tgt Ion:	83	Resp:	152679
Ion Ratio	Lower	Upper	
83	100		
85	65.2	41.9	87.1
47	23.7	16.7	34.7
48	12.0	7.9	16.3

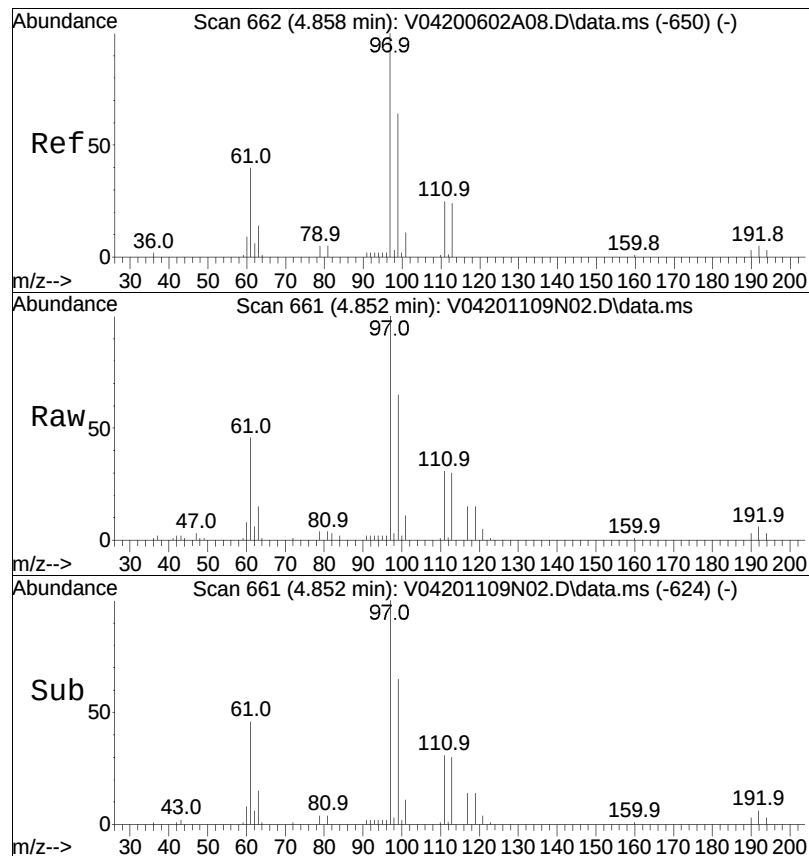




#34
 Carbon tetrachloride
 Concen: 30.68 ug/L
 RT: 4.789 min Scan# 649
 Delta R.T. -0.001 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

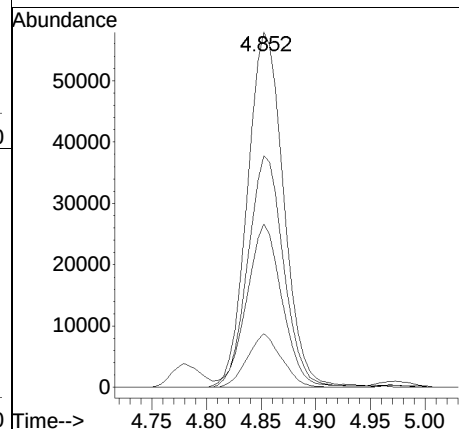
Tgt Ion:	117	Resp:	131895
Ion Ratio	Lower	Upper	
117	100		
119	97.2	62.9	130.7
121	31.4	20.2	42.0
82	22.2	14.9	30.9

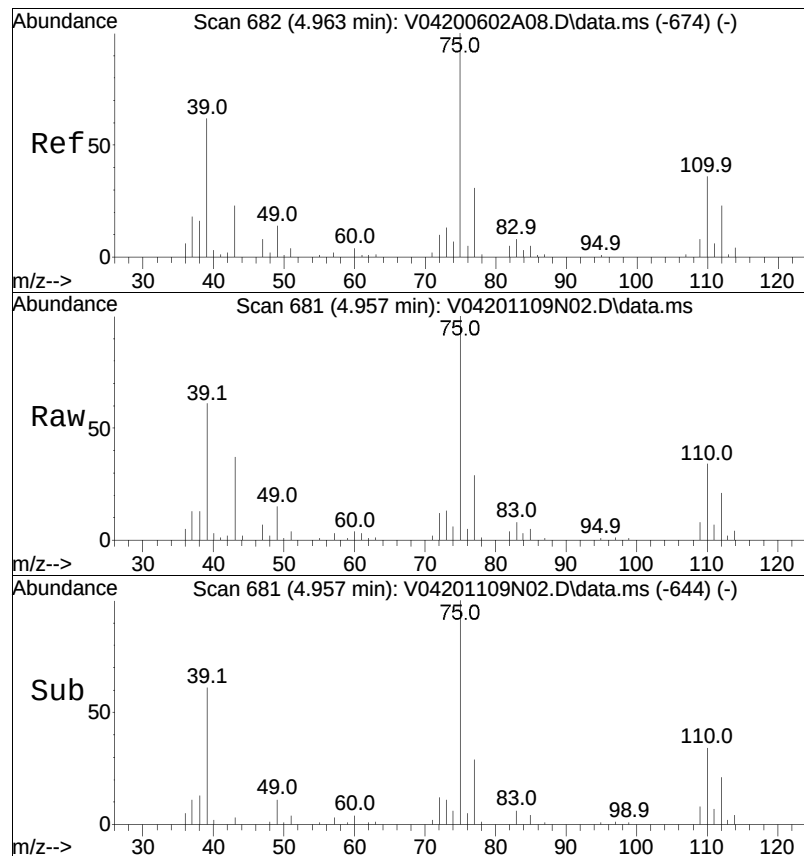




#37
 1,1,1-Trichloroethane
 Concen: 32.35 ug/L
 RT: 4.852 min Scan# 661
 Delta R.T. -0.006 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

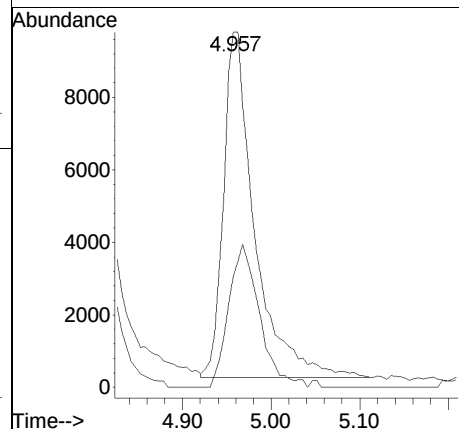
Tgt Ion:	97	Resp:	133980
Ion Ratio	Lower	Upper	
97	100		
99	64.5	41.7	86.7
61	45.4	30.9	64.3
63	14.3	9.6	20.0

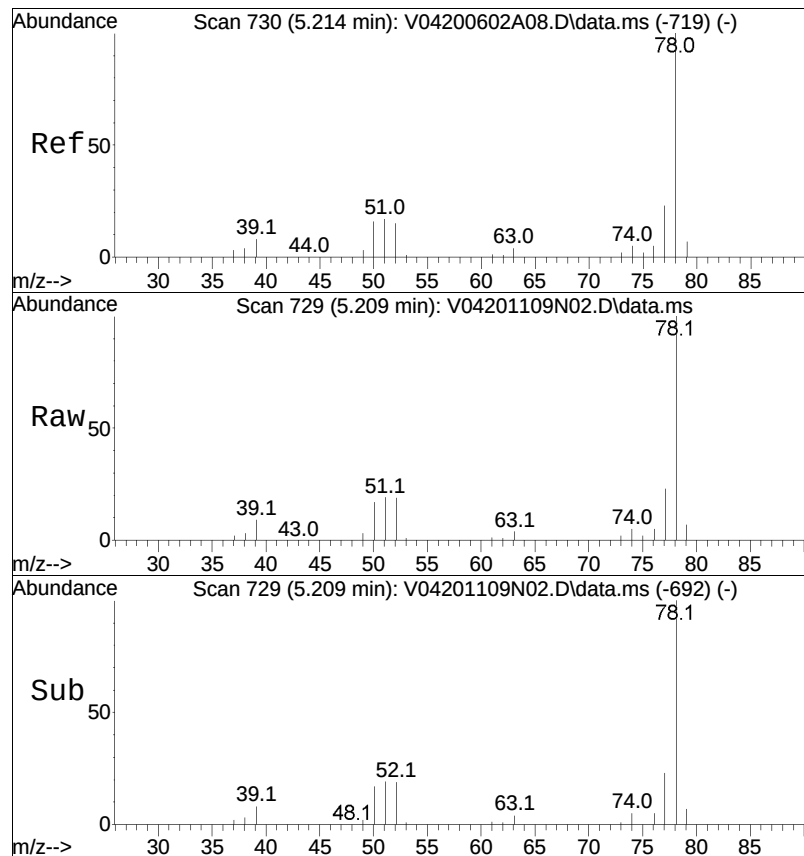




#39
 2-Butanone
 Concen: 39.45 ug/L
 RT: 4.957 min Scan# 681
 Delta R.T. -0.006 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

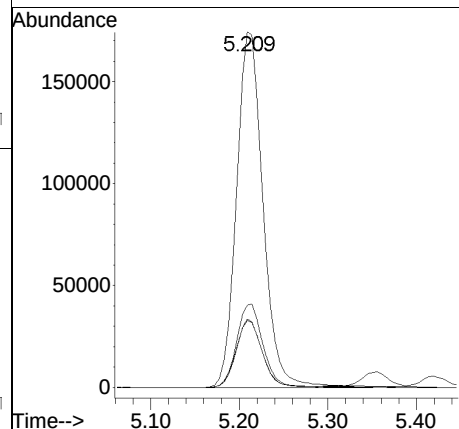
Tgt Ion	Ratio	Lower	Upper
43	100		
72	40.7	25.8	38.8#

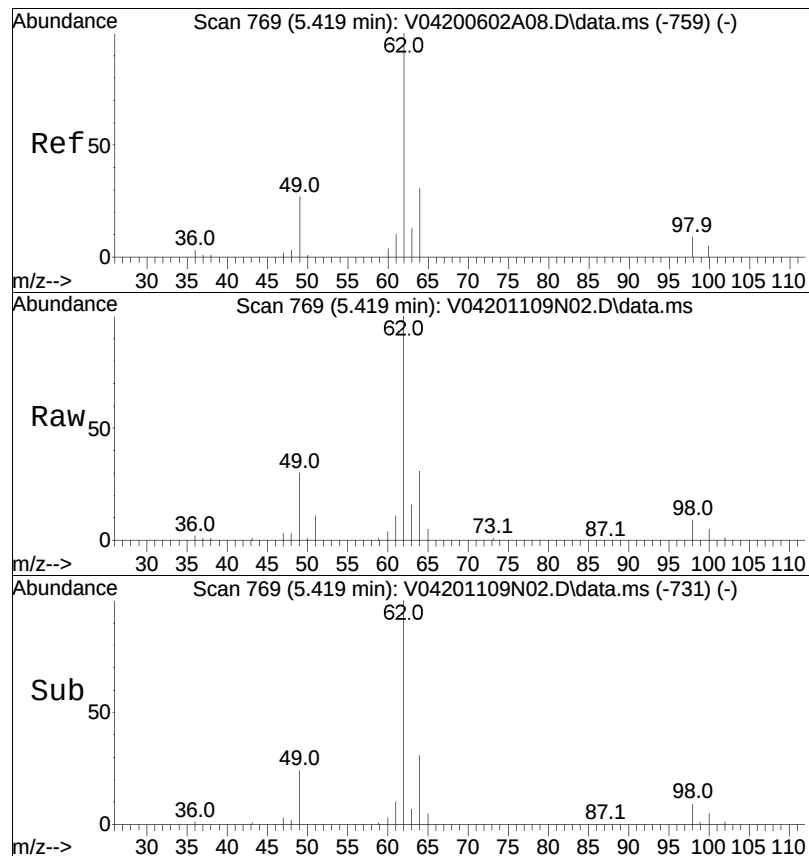




#41
Benzene
Concen: 35.62 ug/L
RT: 5.209 min Scan# 729
Delta R.T. -0.005 min
Lab File: V04201109N02.D
Acq: 9 Nov 2020 6:57 pm

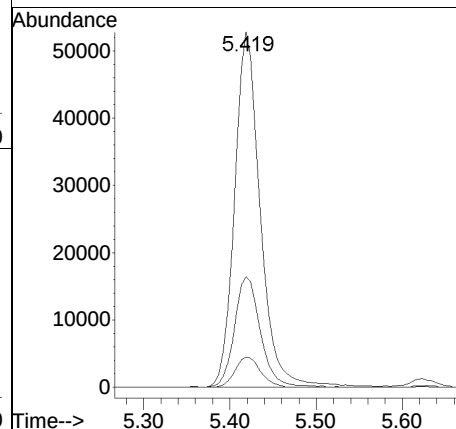
Tgt	Ion: 78	Resp:	363307
Ion	Ratio	Lower	Upper
78	100		
77	23.3	15.1	31.3
51	18.7	12.2	25.4
52	18.6	11.9	24.7

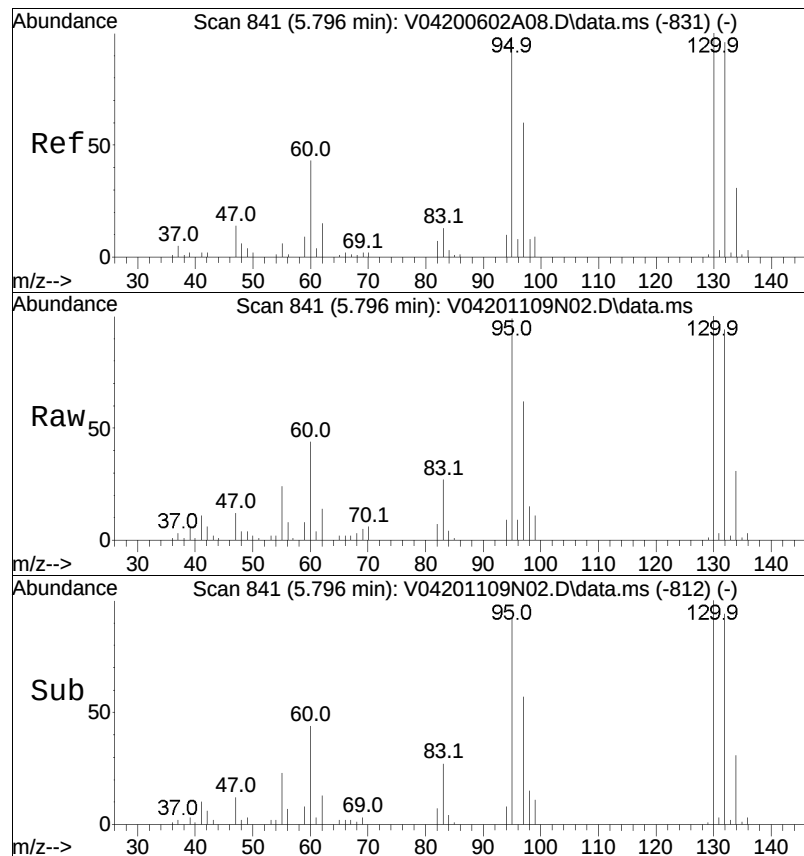




#44
 1,2-Dichloroethane
 Concen: 35.01 ug/L
 RT: 5.419 min Scan# 769
 Delta R.T. -0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

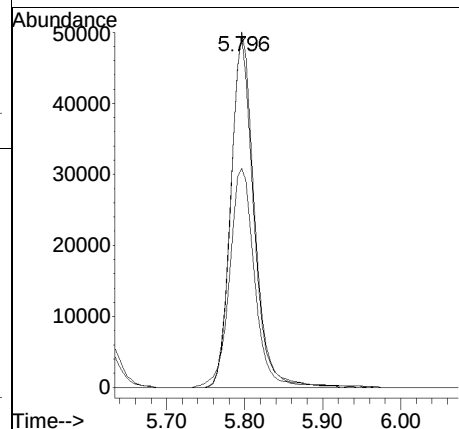
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	11.3	51.3
98	8.5	0.0	27.5

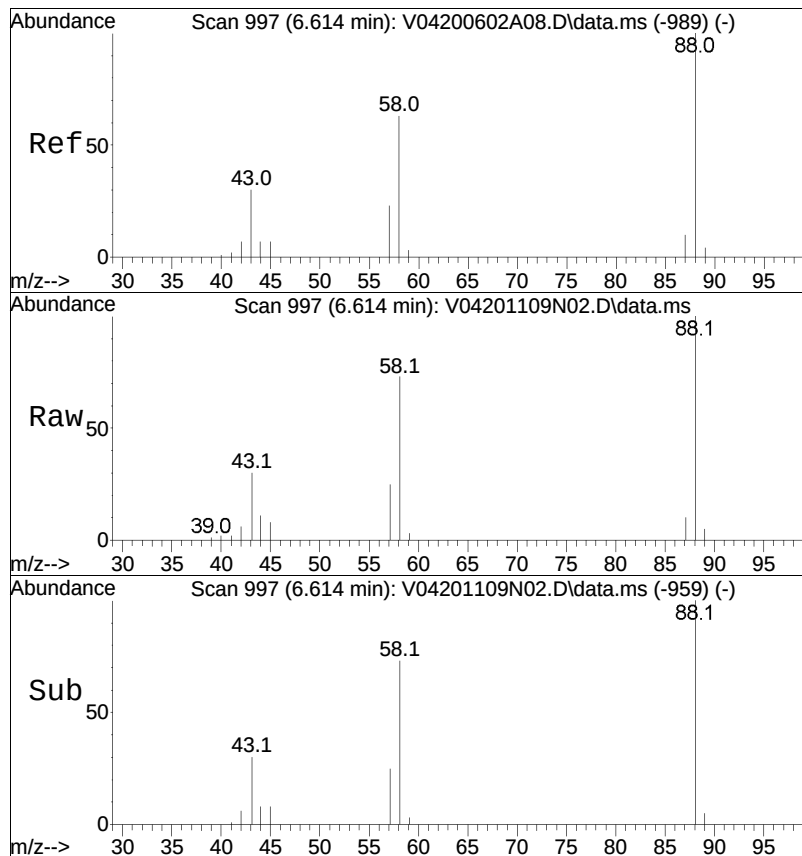




#48
 Trichloroethene
 Concen: 35.43 ug/L
 RT: 5.796 min Scan# 841
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

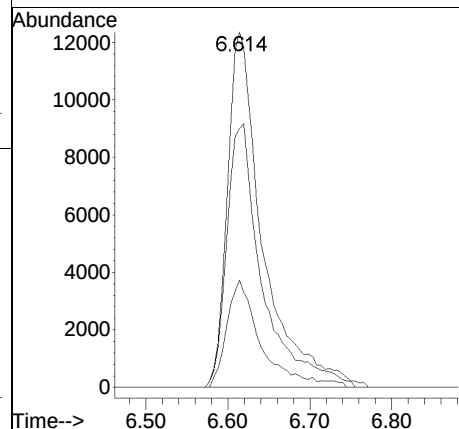
Tgt Ion:	95	Resp:	101264
Ion Ratio	Lower	Upper	
95	100		
97	67.8	53.9	80.9
130	103.0	83.1	124.7

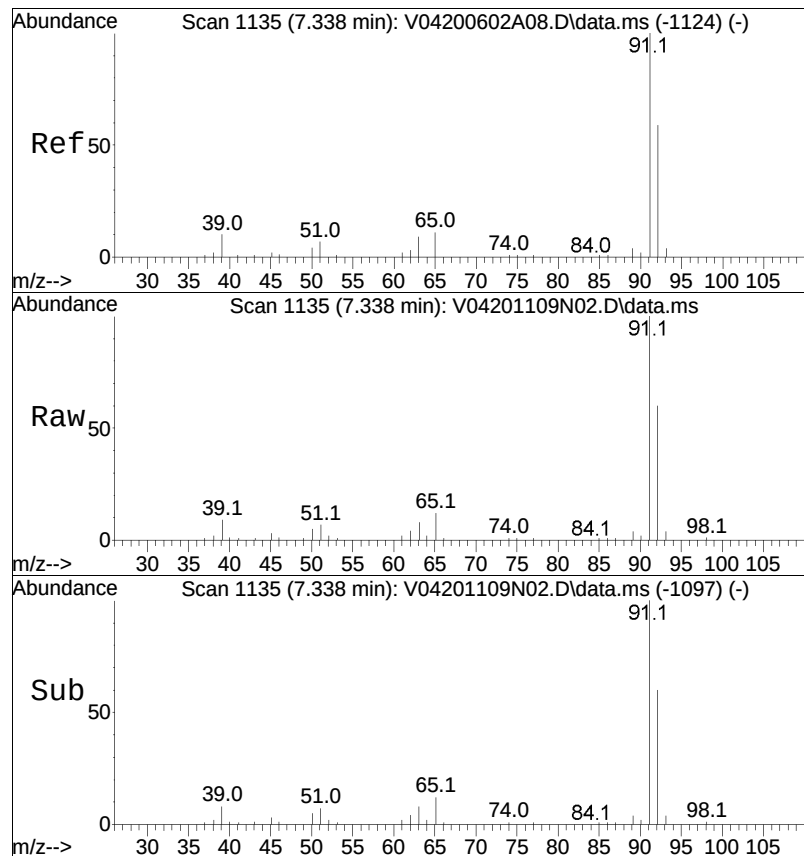




#57
 1,4-Dioxane
 Concen: 2655.93 ug/L
 RT: 6.614 min Scan# 997
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

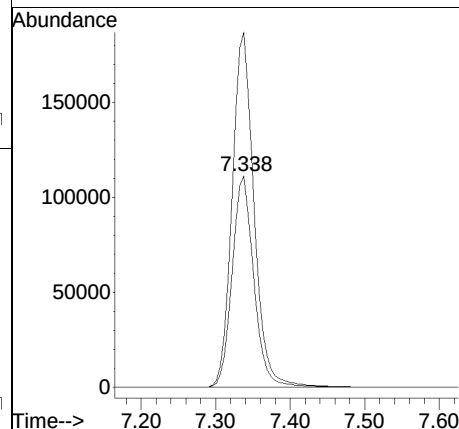
Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.4	57.1	85.7
43	28.9	22.9	34.3

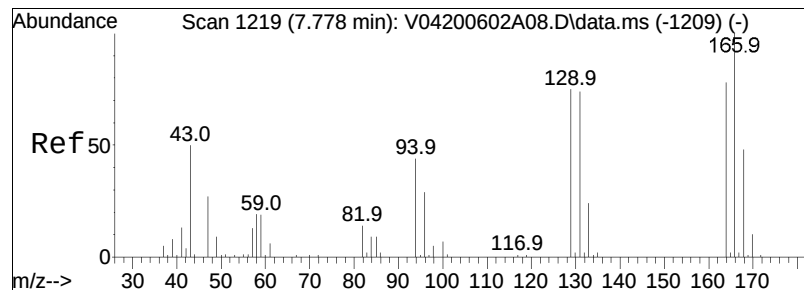




#61
 Toluene
 Concen: 37.78 ug/L
 RT: 7.338 min Scan# 1135
 Delta R.T. -0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.0	135.8	203.6





#63

Tetrachloroethene

Concen: 38.94 ug/L

RT: 7.778 min Scan# 1219

Delta R.T. -0.000 min

Lab File: V04201109N02.D

Acq: 9 Nov 2020 6:57 pm

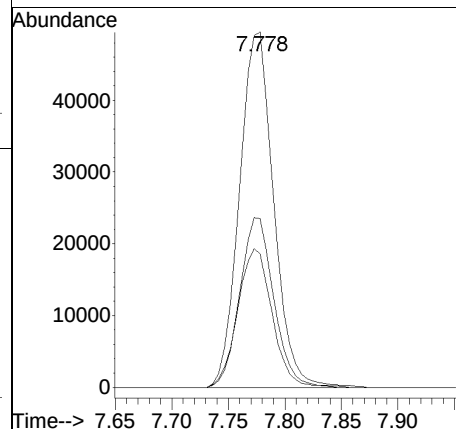
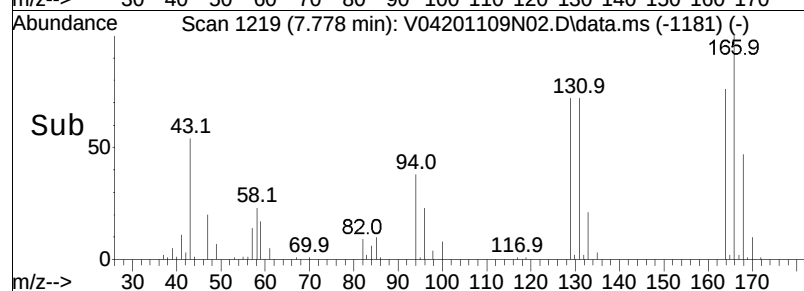
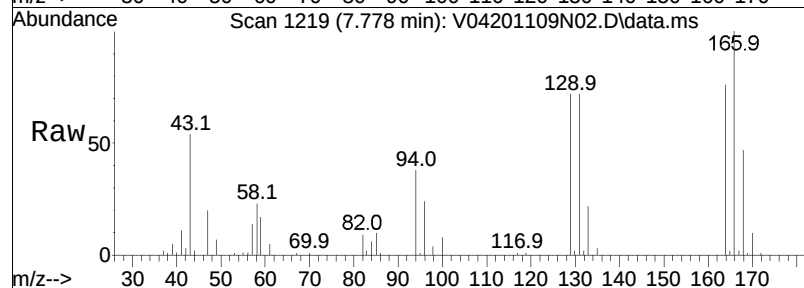
Tgt Ion:166 Resp: 104292

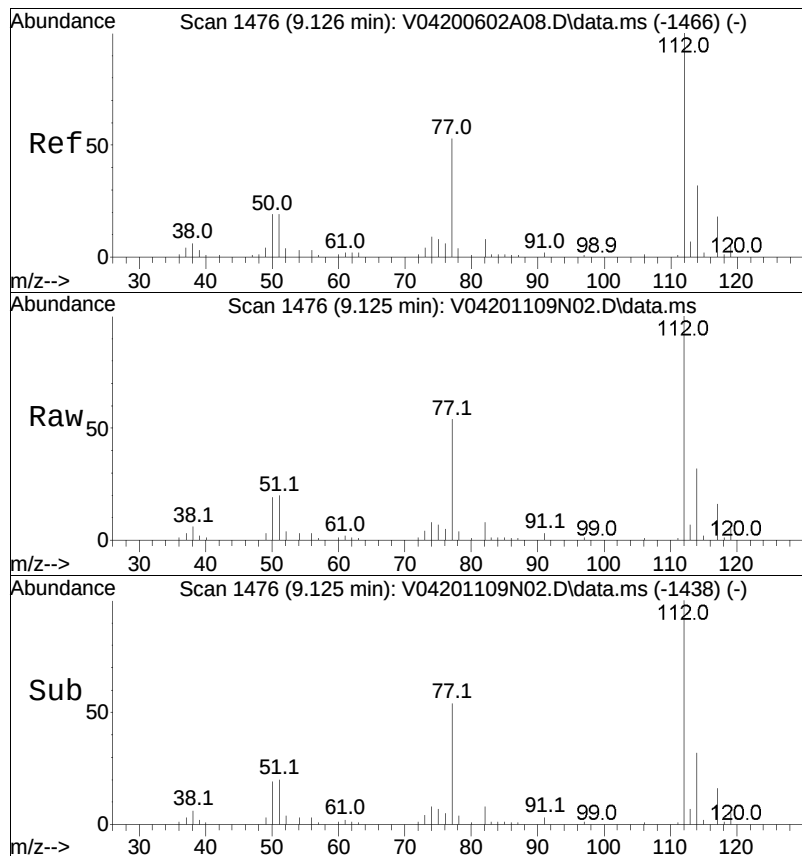
Ion Ratio Lower Upper

166 100

168 47.6 27.6 67.6

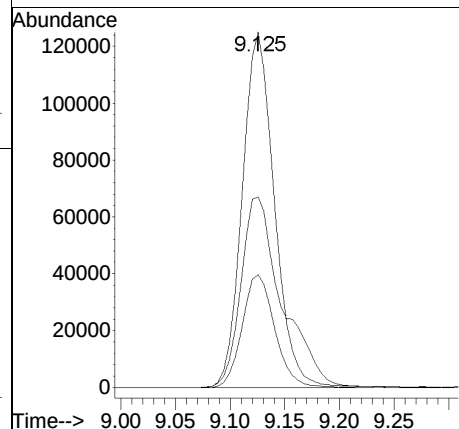
94 39.1 20.9 60.9

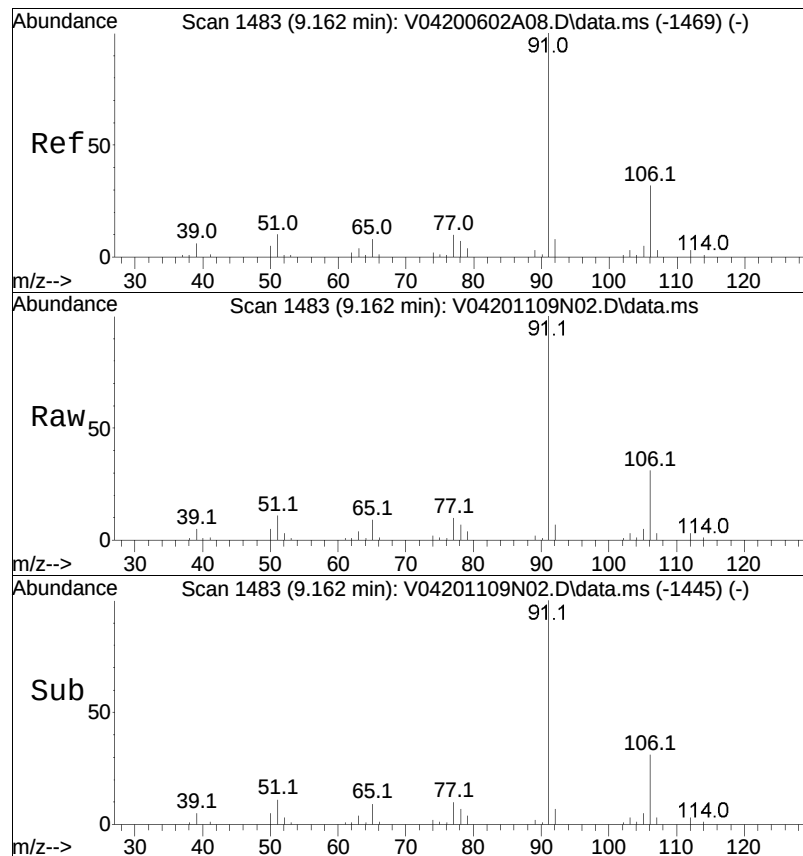




#73
 Chlorobenzene
 Concen: 34.15 ug/L
 RT: 9.125 min Scan# 1476
 Delta R.T. -0.001 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

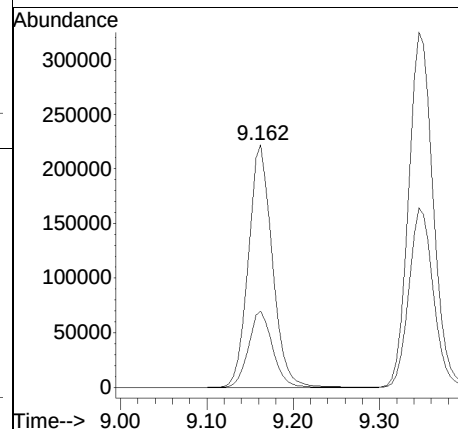
Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		255101		
77	68.7	55.3		82.9	
114	32.1	25.5		38.3	

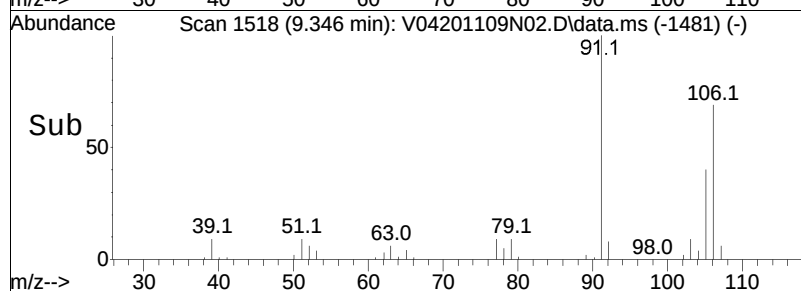
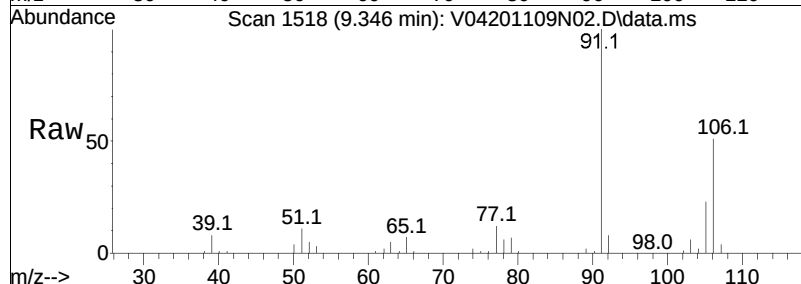
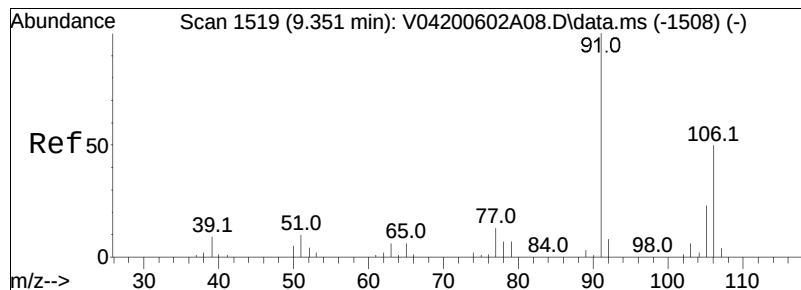




#74
 Ethylbenzene
 Concen: 37.72 ug/L
 RT: 9.162 min Scan# 1483
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

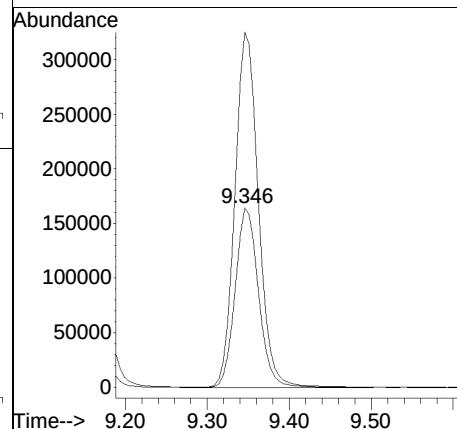
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.4	38.2

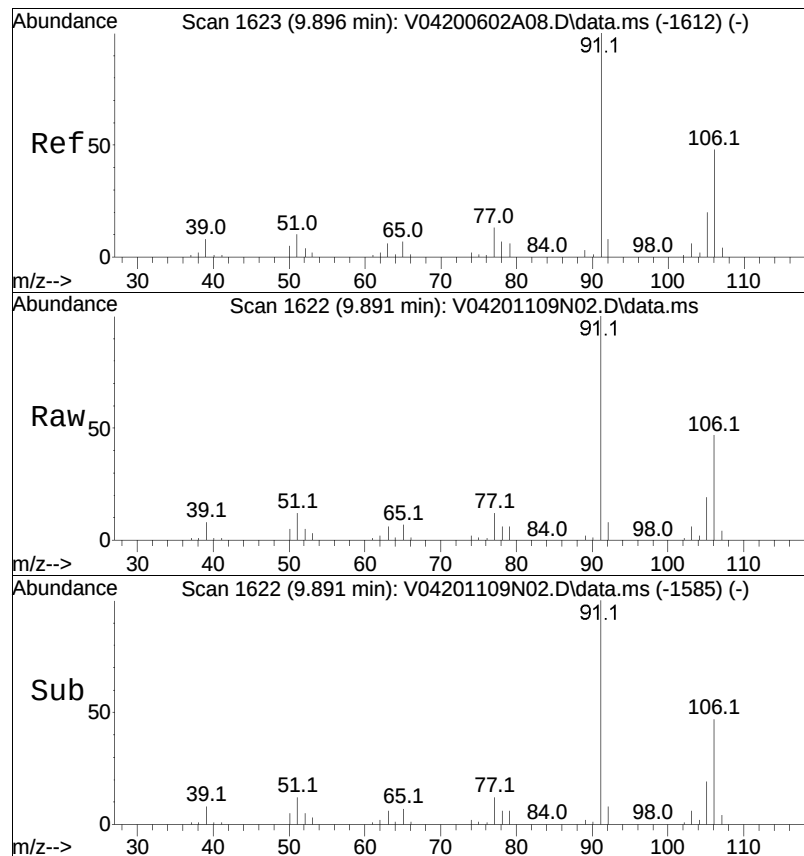




#76
 p/m Xylene
 Concen: 72.33 ug/L
 RT: 9.346 min Scan# 1518
 Delta R.T. -0.005 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

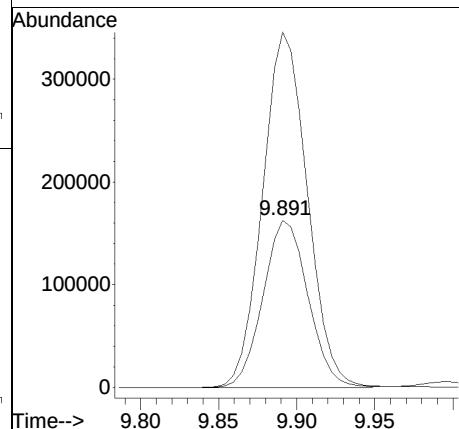
Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.6	157.1	235.7

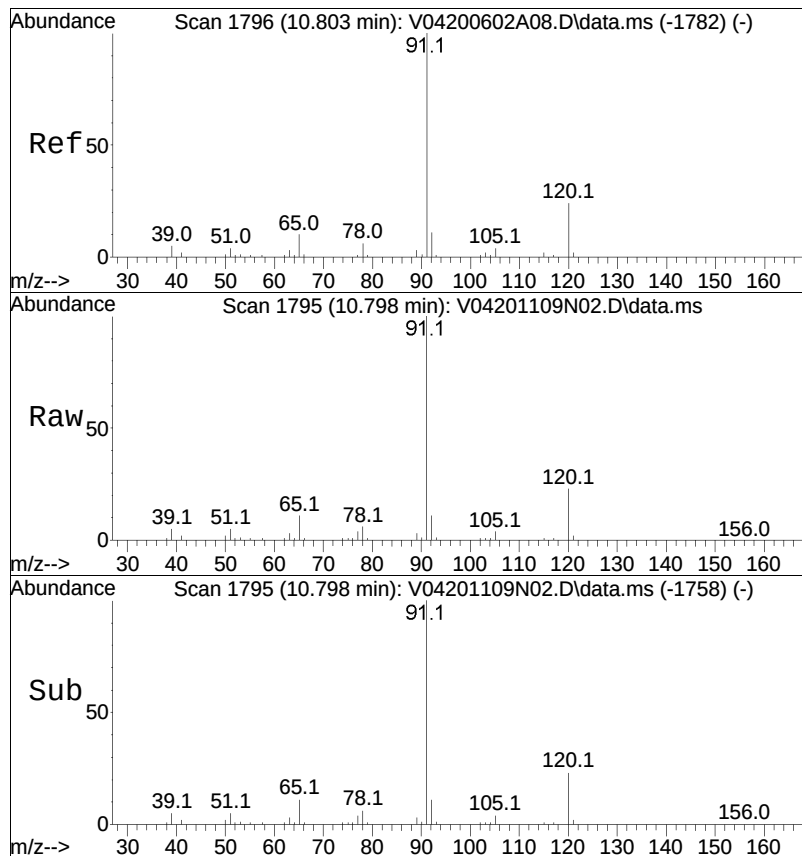




#77
 o Xylene
 Concen: 72.27 ug/L
 RT: 9.891 min Scan# 1622
 Delta R.T. -0.005 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

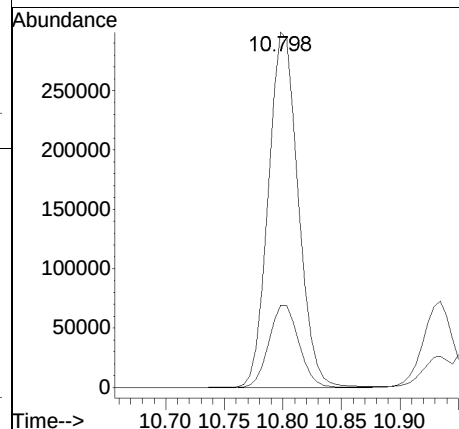
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	211.6	165.9	248.9	

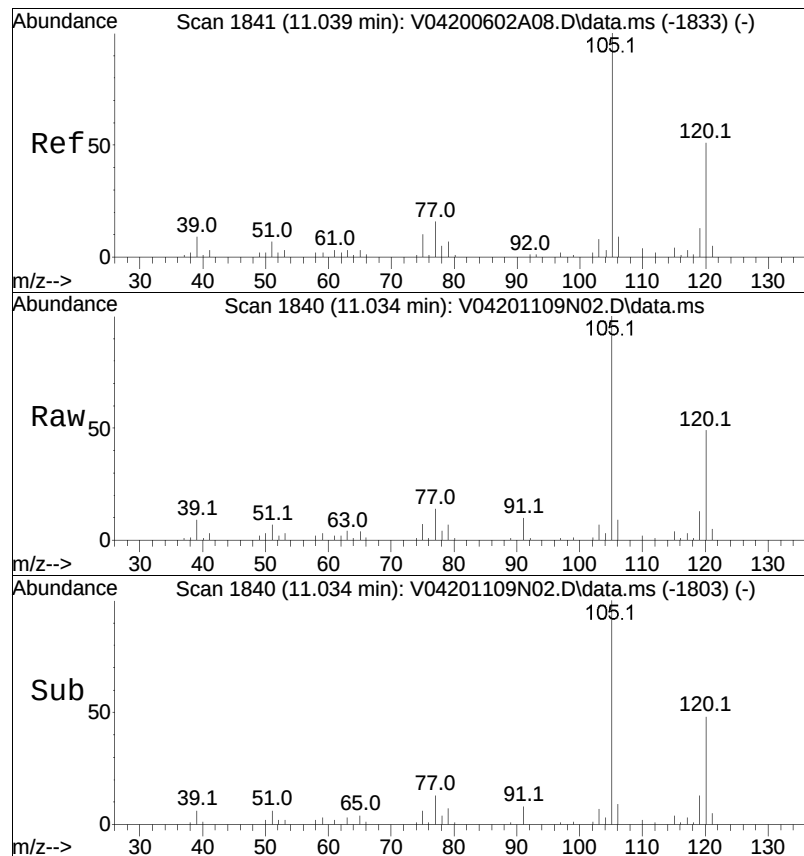




#85
 n-Propylbenzene
 Concen: 41.20 ug/L
 RT: 10.798 min Scan# 1795
 Delta R.T. -0.005 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

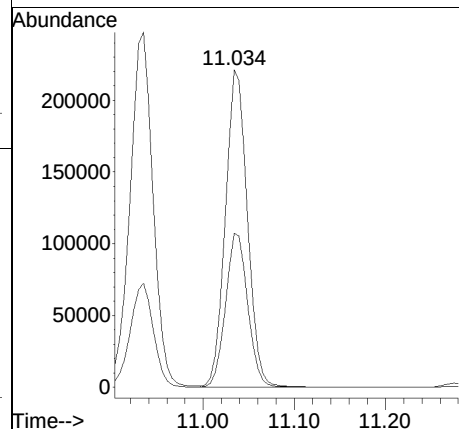
Tgt Ion:	91	Resp:	530642
Ion Ratio	Lower	Upper	
91	100		
120	23.2	18.9	28.3

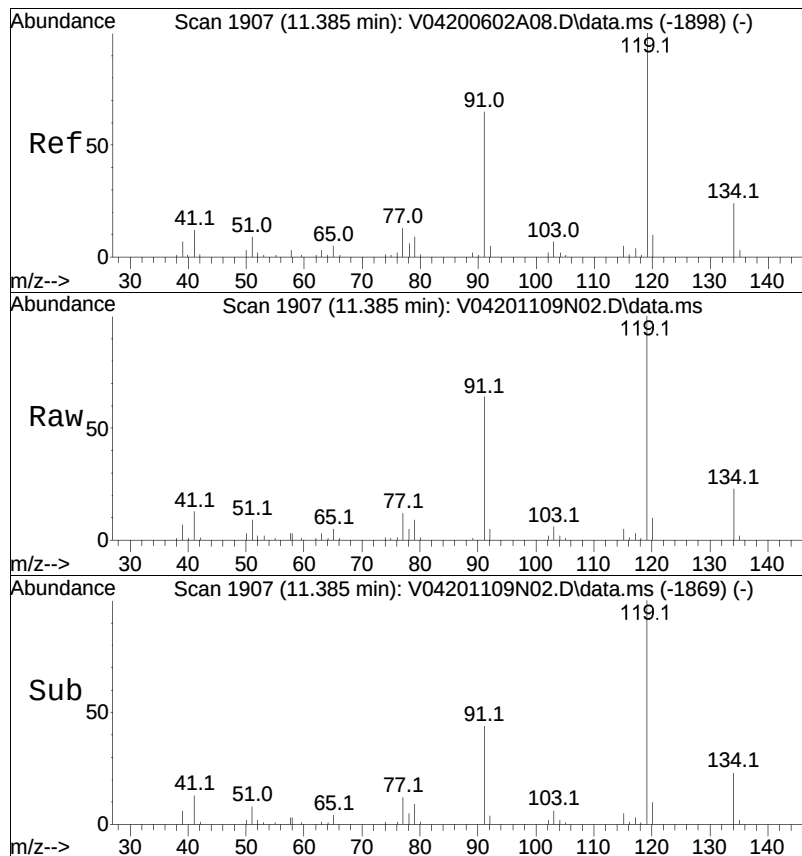




#90
 1,3,5-Trimethylbenzene
 Concen: 40.16 ug/L
 RT: 11.034 min Scan# 1840
 Delta R.T. -0.005 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

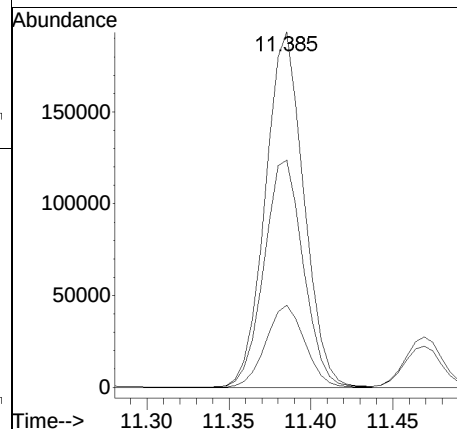
Tgt Ion	105	120	Ratio	Lower	Upper
Resp	372860				
Ion	100	48.9		38.4	57.6

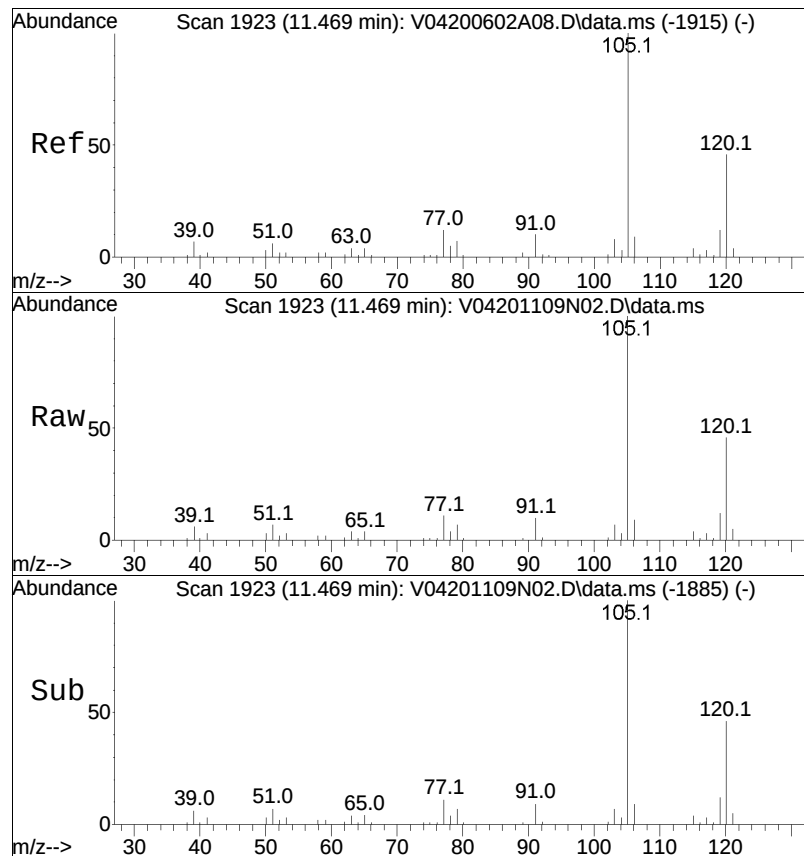




#94
 tert-Butylbenzene
 Concen: 40.28 ug/L
 RT: 11.385 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

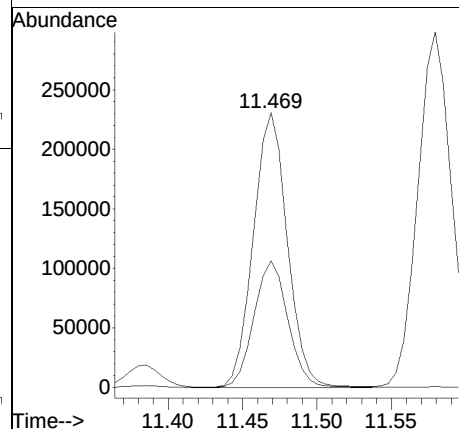
Tgt	Ion	Ratio	Lower	Upper
119	100			
91	65.1	53.0	79.6	
134	23.5	19.6	29.4	

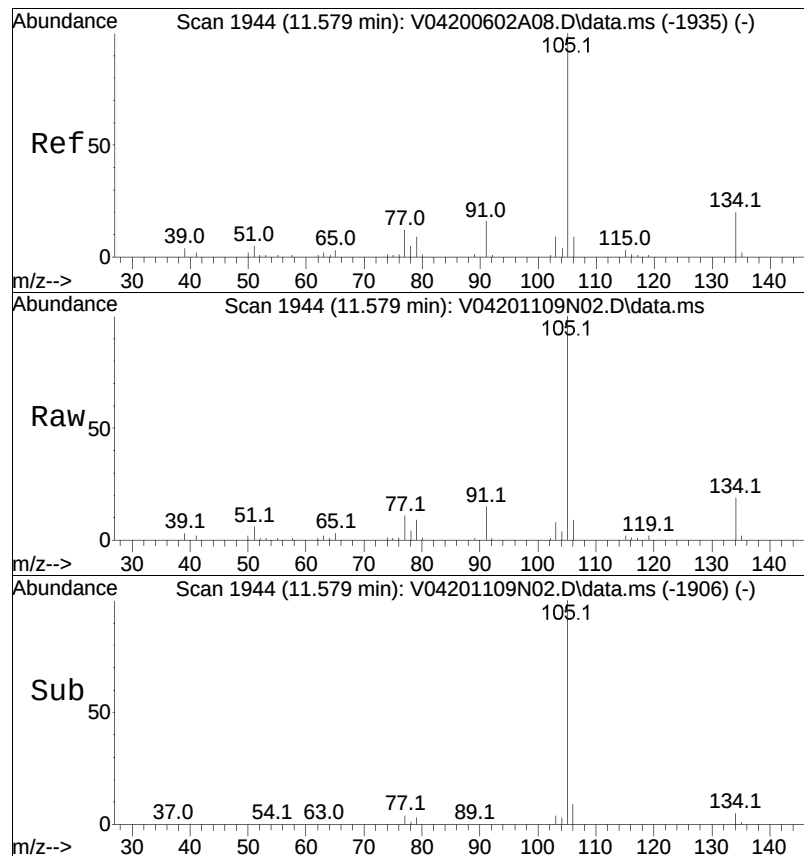




#97
 1,2,4-Trimethylbenzene
 Concen: 39.72 ug/L
 RT: 11.469 min Scan# 1923
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

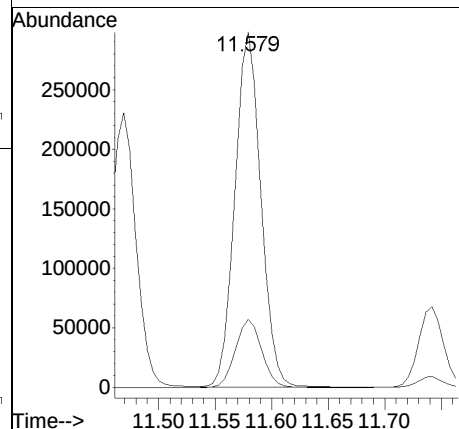
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	36.4	54.6

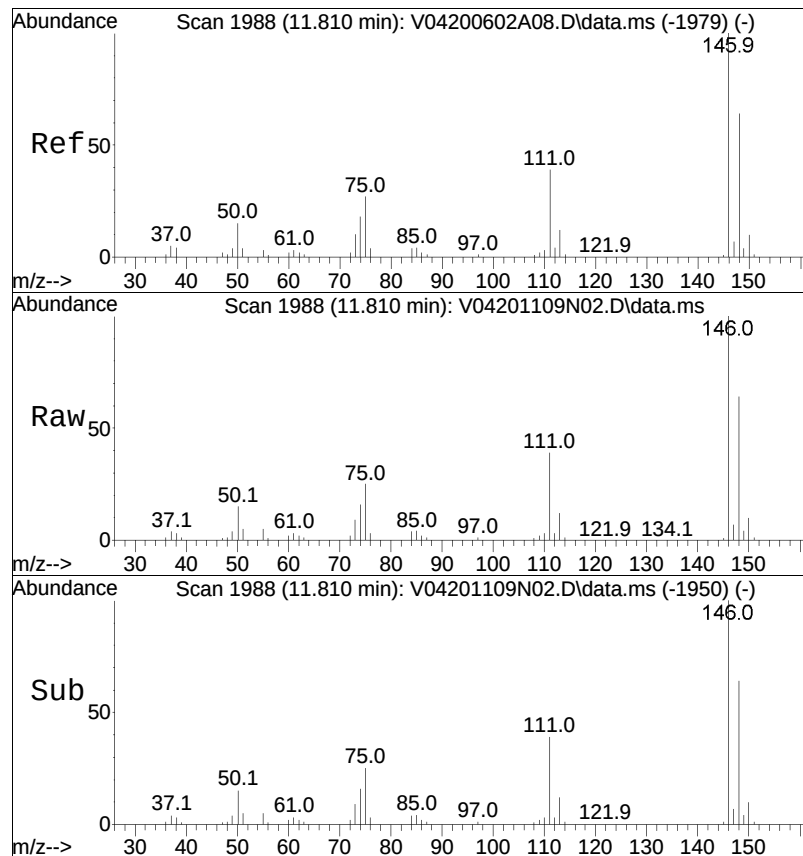




#98
 sec-Butylbenzene
 Concen: 41.29 ug/L
 RT: 11.579 min Scan# 1944
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

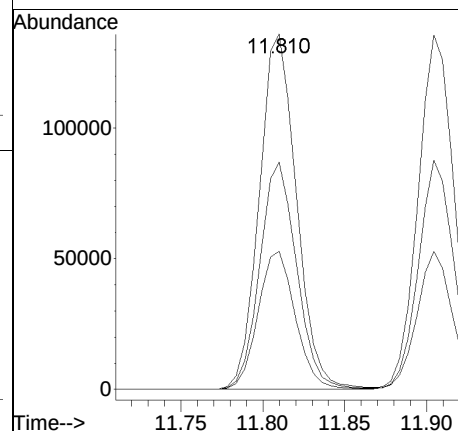
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	19.3	12.9	26.9	

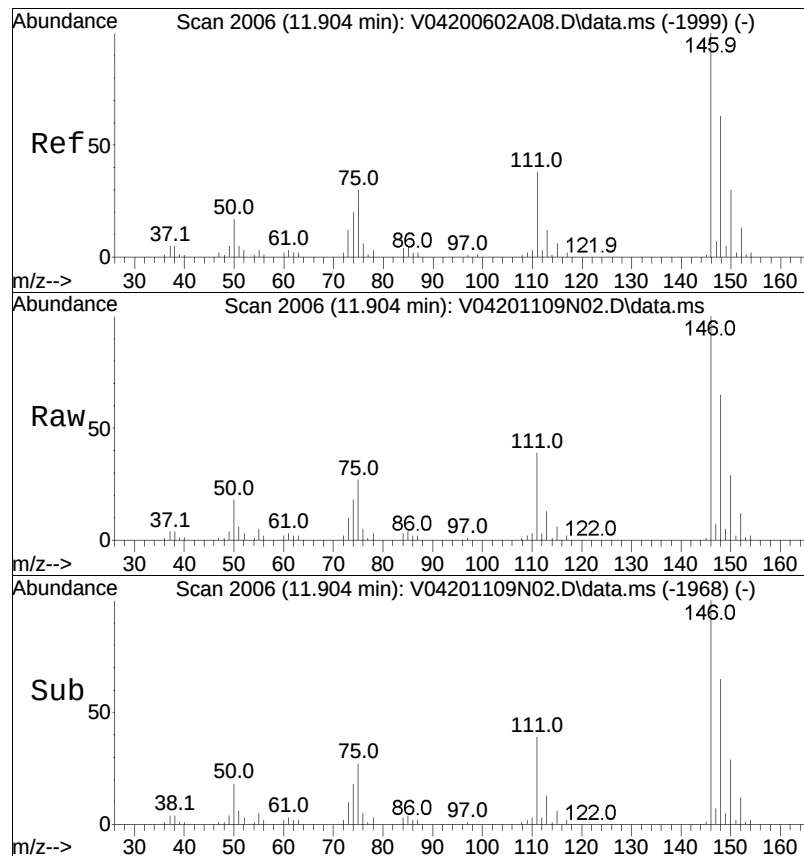




#100
 1,3-Dichlorobenzene
 Concen: 38.14 ug/L
 RT: 11.810 min Scan# 1988
 Delta R.T. -0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

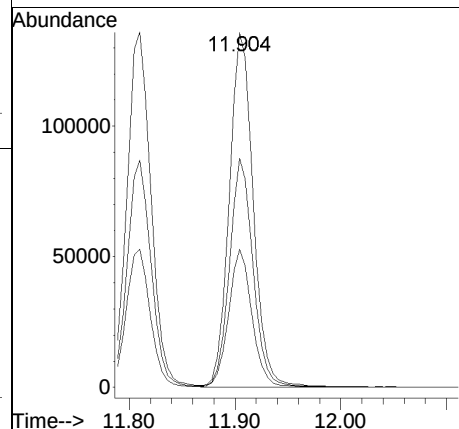
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	24.8	51.6
148	63.4	41.6	86.4

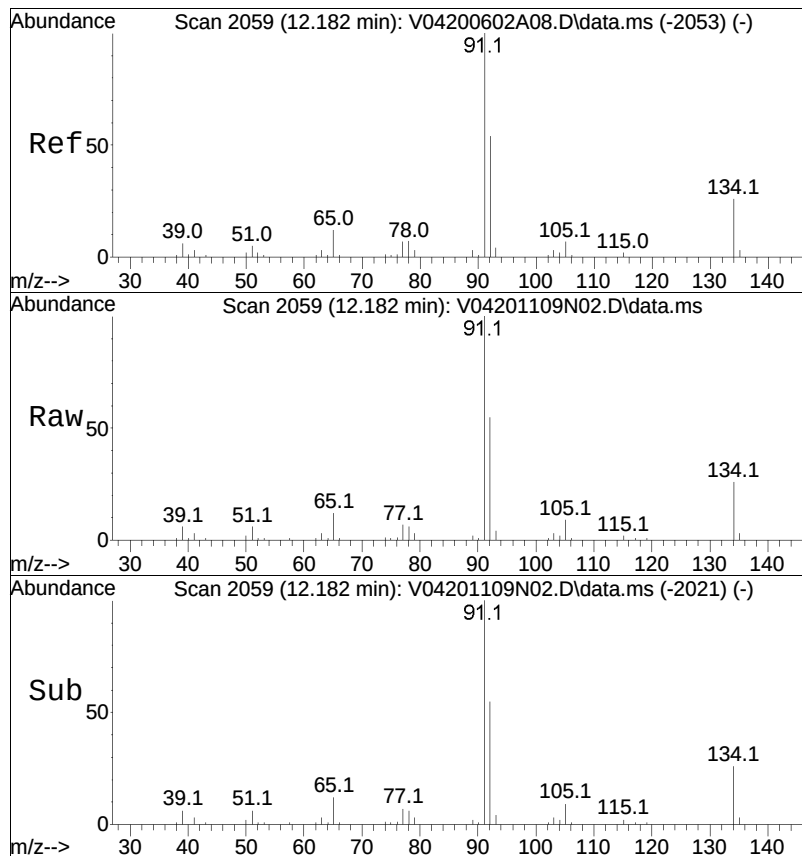




#101
 1,4-Dichlorobenzene
 Concen: 37.27 ug/L
 RT: 11.904 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

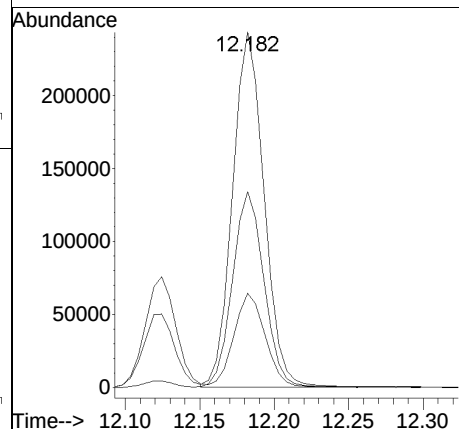
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	30.2	45.2
148	63.9	50.6	76.0

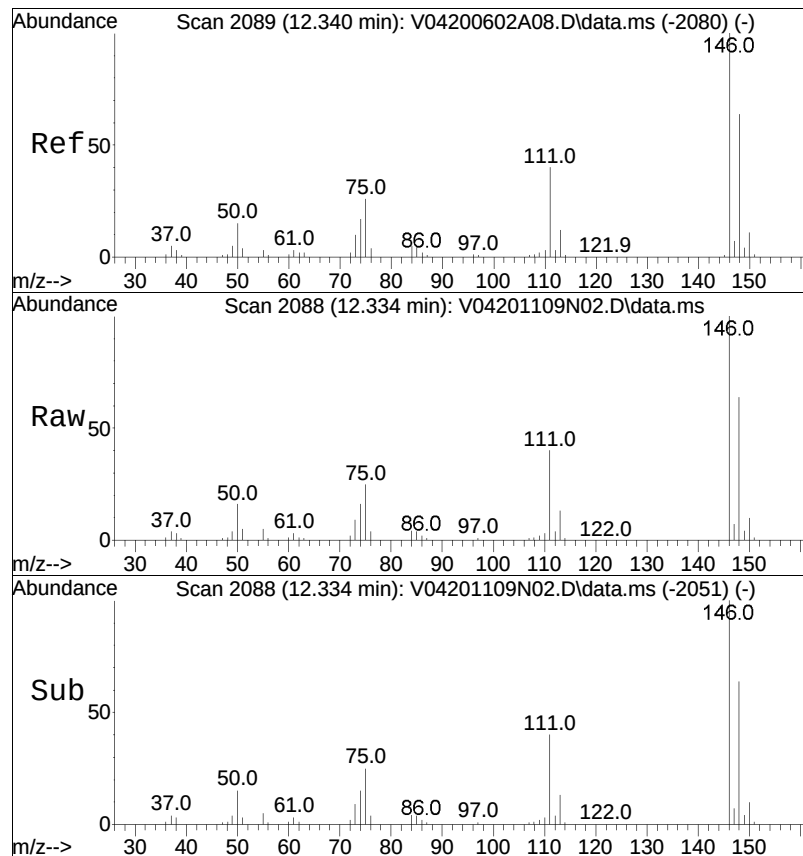




#103
 n-Butylbenzene
 Concen: 40.07 ug/L
 RT: 12.182 min Scan# 2059
 Delta R.T. 0.000 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

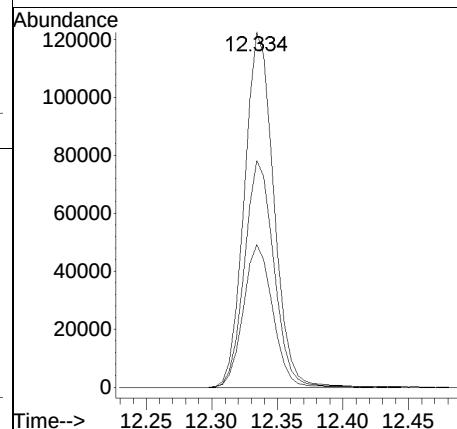
Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.6	43.4	65.2
134	26.6	21.5	32.3





#104
 1,2-Dichlorobenzene
 Concen: 37.62 ug/L
 RT: 12.334 min Scan# 2088
 Delta R.T. -0.006 min
 Lab File: V04201109N02.D
 Acq: 9 Nov 2020 6:57 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	25.5	52.9
148	64.0	40.8	84.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2020\20	Method	: V104_200602B_8260.m
Data File	: V04201109N02.D	Operator	: VOA104:AD
Date Inj'd	: 11/9/2020 6:57 pm	Instrument	: VOA 104
Sample	: WG1432466-4,31,5,5	Quant Date	: 11/9/2020 7:40 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A02.D
 Acq On : 11 Nov 2020 11:30 am
 Operator : VOA126:MV
 Sample : WG1433193-4,31,5,5
 Misc : WG1433193,ICAL17233
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 11 12:19:39 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

Internal Standards						
1) Fluorobenzene	11.535	96	658966	20.000	ug/L	0.00
Standard Area 1 = 649332			Recovery	=	101.48%	
63) Chlorobenzene-d5	18.234	117	488545	20.000	ug/L	0.00
Standard Area 1 = 479872			Recovery	=	101.81%	
88) 1,4-Dichlorobenzene-d4	23.889	152	254649	20.000	ug/L	0.00
Standard Area 1 = 248168			Recovery	=	102.61%	
System Monitoring Compounds						
39) Dibromofluoromethane	9.904	113	161248	18.673	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	93.36%	
47) 1,2-Dichloroethane-d4	10.899	65	146197	19.720	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	98.60%	
65) Toluene-d8	14.873	98	633860	20.428	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.14%	
92) 4-Bromofluorobenzene	21.070	95	228078	20.155	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	100.78%	
Target Compounds						
						Qvalue
5) Vinyl chloride	3.236	62	241768	30.874	ug/L	99
11) 1,1-Dichloroethene	5.665	96	201623	33.155	ug/L	86
17) Methylene chloride	6.591	84	245810	33.627	ug/L	81
19) Acetone	5.478	43	41324	37.902	ug/L	94
20) trans-1,2-Dichloroethene	7.149	96	238455	32.987	ug/L	88
23) Methyl tert-butyl ether	6.875	73	559786	34.243	ug/L	89
26) 1,1-Dichloroethane	7.974	63	371514	33.571	ug/L	98
31) cis-1,2-Dichloroethene	9.159	96	267127	32.899	ug/L	85
35) Chloroform	9.469	83	426666	32.611	ug/L	96
37) Carbon tetrachloride	10.749	117	334060	32.493	ug/L	99
40) 1,1,1-Trichloroethane	10.250	97	369268	32.587	ug/L	96
42) 2-Butanone	8.830	43	65060	39.195	ug/L	# 85
45) Benzene	11.106	78	948171	33.492	ug/L	93
48) 1,2-Dichloroethane	11.092	62	278671	33.409	ug/L	99
52) Trichloroethene	12.344	95	254917	32.922	ug/L	99
61) 1,4-Dioxane	13.275	88	106266	1722.700	ug/L	# 85
66) Toluene	15.038	92	623005	35.191	ug/L	96
68) Tetrachloroethene	16.463	166	286046	33.748	ug/L	100
82) Chlorobenzene	18.323	112	716731	35.051	ug/L	97
83) Ethylbenzene	18.448	91	1212173	35.667	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
 Data File : V26201111A02.D
 Acq On : 11 Nov 2020 11:30 am
 Operator : VOA126:MV
 Sample : WG1433193-4,31,5,5
 Misc : WG1433193,ICAL17233
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 11 12:19:39 2020
 Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Oct 13 17:03:21 2020
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\201111A\V26201111A01.D
 Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

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

85)	p/m Xylene	18.624	106	966022	71.279	ug/L	91
86)	o Xylene	19.634	106	897207	71.072	ug/L	89
95)	n-Propylbenzene	21.429	91	1476275	37.152	ug/L	97
100)	1,3,5-Trimethylbenzene	21.812	105	1033439	35.815	ug/L	98
104)	tert-Butylbenzene	22.654	119	886596	35.935	ug/L	99
107)	1,2,4-Trimethylbenzene	22.746	105	1024184	36.427	ug/L	97
109)	sec-Butylbenzene	23.170	105	1348864	36.897	ug/L	98
111)	1,3-Dichlorobenzene	23.708	146	619316	36.488	ug/L	99
112)	1,4-Dichlorobenzene	23.964	146	614673	36.613	ug/L	99
116)	n-Butylbenzene	24.480	91	1300464	36.841	ug/L	97
118)	1,2-Dichlorobenzene	24.815	146	563264	36.429	ug/L	99

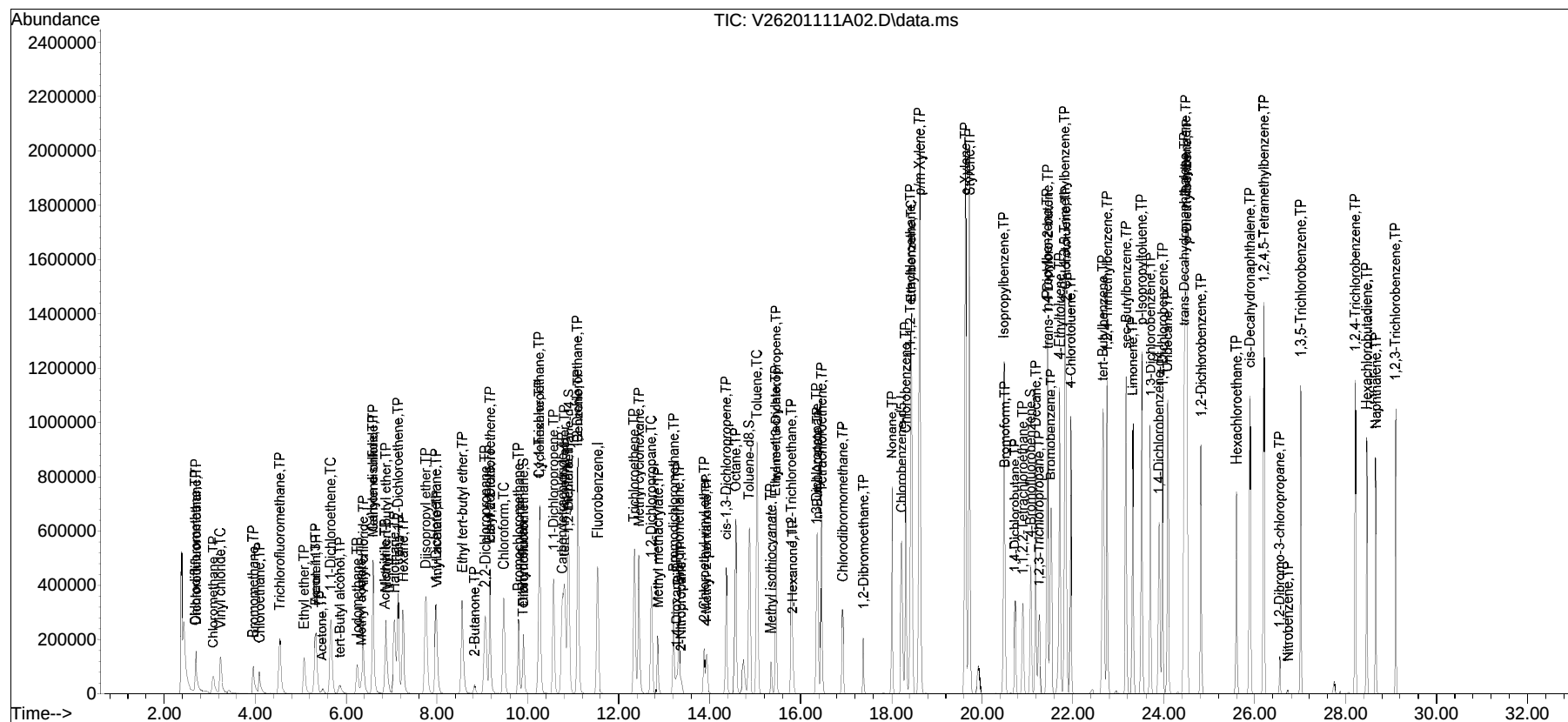
(#) = qualifier out of range (m) = manual integration (+) = signals summed

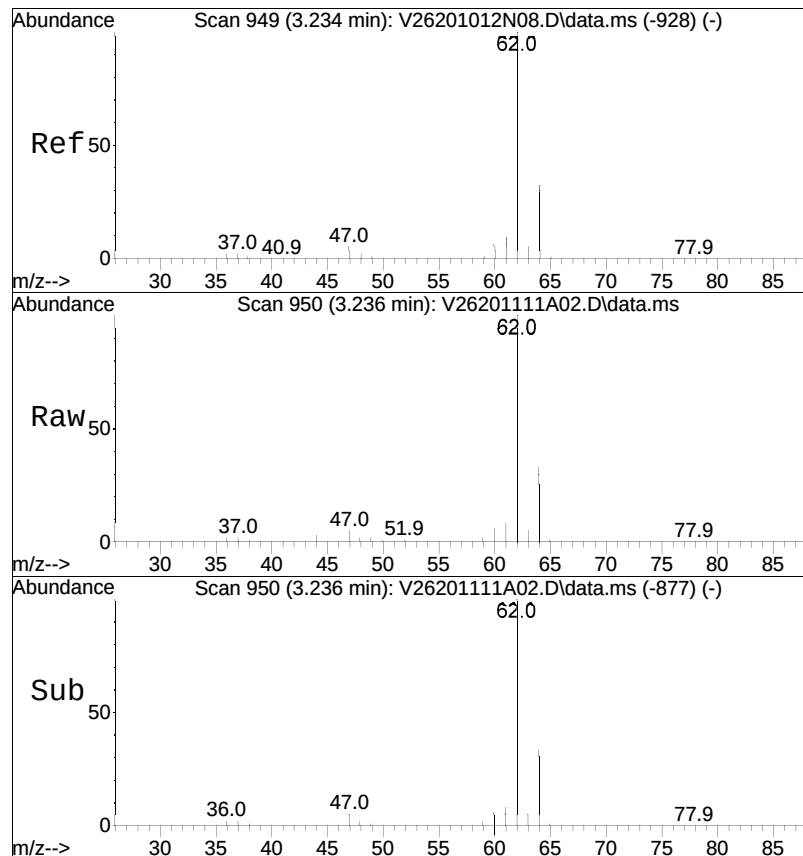
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\201111A\
Data File : V26201111A02.D
Acq On : 11 Nov 2020 11:30 am
Operator : VOA126:MV
Sample : WG1433193-4, 31, 5, 5
Misc : WG1433193, ICAL17233
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 11 12:19:39 2020
Quant Method : I:\VOLATILES\VOA126\2020\201111A\V126_201012N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 13 17:03:21 2020
Response via : Initial Calibration

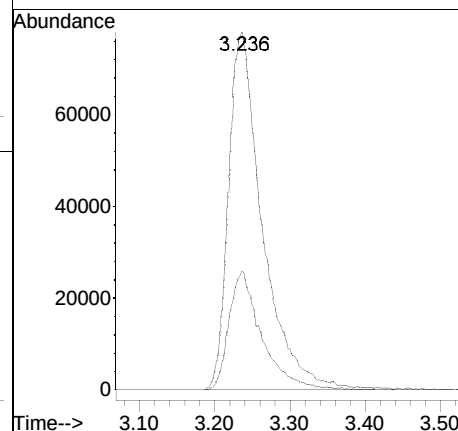
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk01111A01.D•

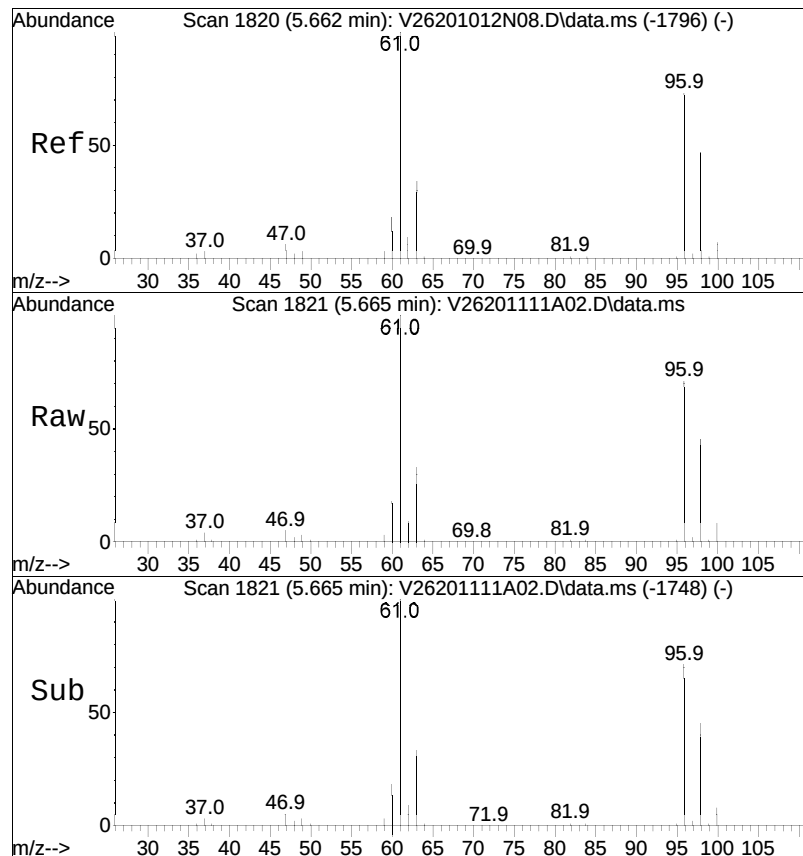




#5
 Vinyl chloride
 Concen: 30.87 ug/L
 RT: 3.236 min Scan# 950
 Delta R.T. 0.002 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

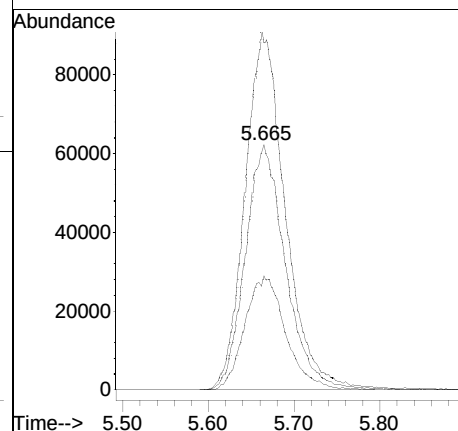
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	11.3	51.3

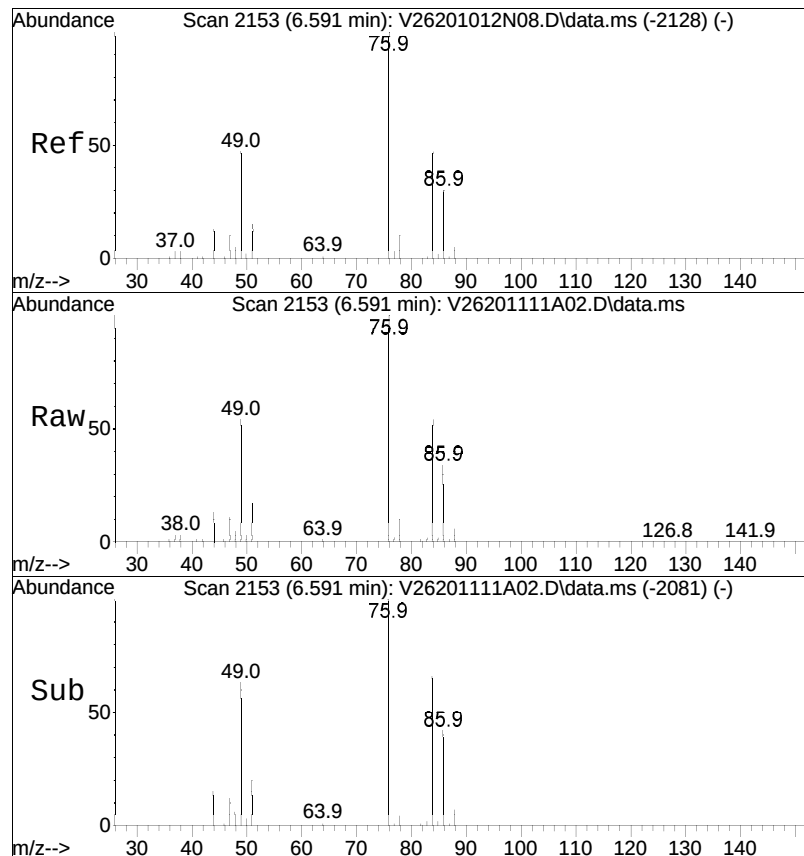




#11
 1,1-Dichloroethene
 Concen: 33.15 ug/L
 RT: 5.665 min Scan# 1821
 Delta R.T. 0.003 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

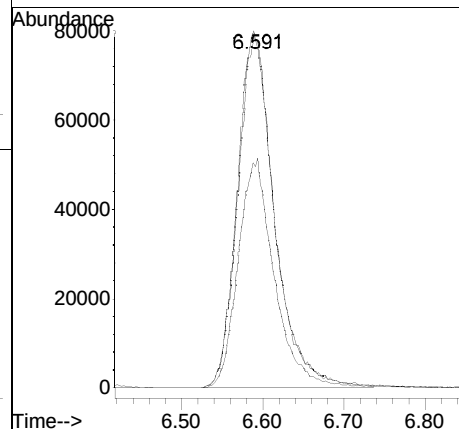
Tgt Ion:	96	Resp:	201623
Ion Ratio	Lower	Upper	
96	100		
61	146.0	133.8	200.8
63	47.2	42.6	63.8

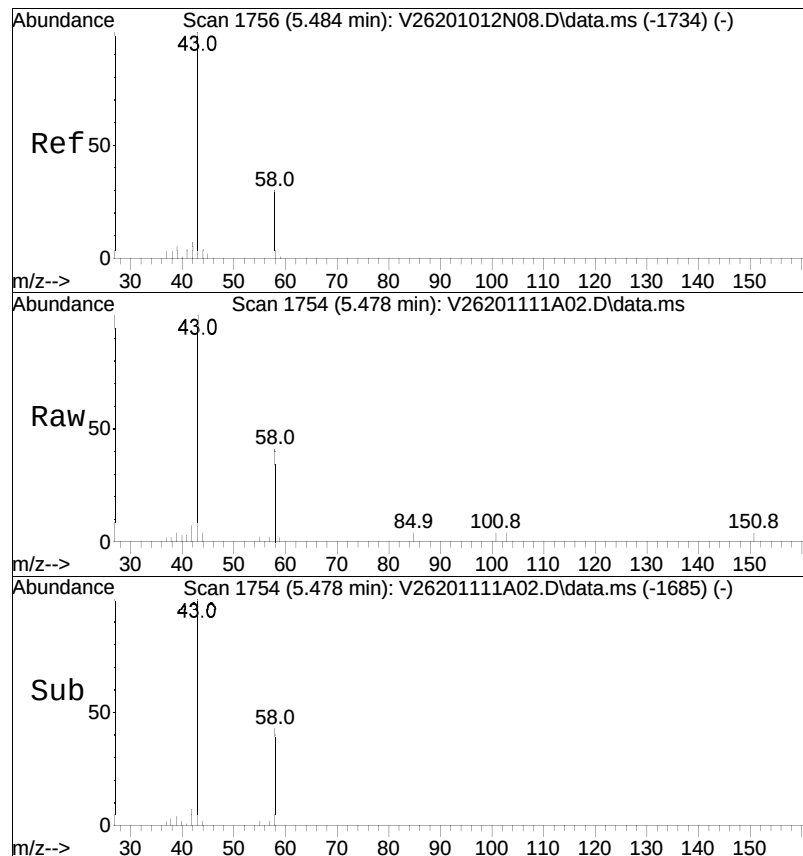




#17
 Methylene chloride
 Concen: 33.63 ug/L
 RT: 6.591 min Scan# 2153
 Delta R.T. -0.000 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

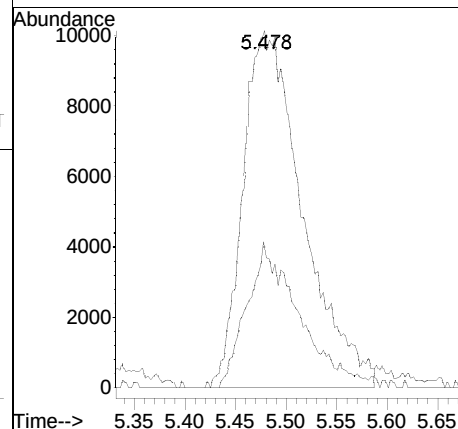
Tgt Ion:	84	Resp:	245810
Ion Ratio	Lower	Upper	
84	100		
86	64.3	41.9	87.1
49	102.4	88.1	183.1

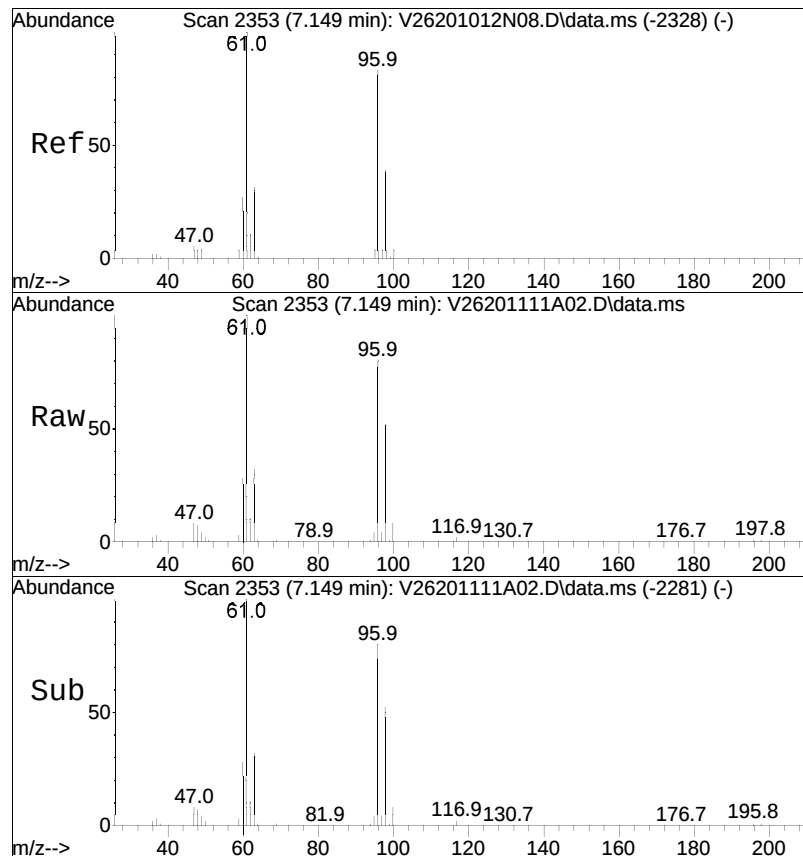




#19
 Acetone
 Concen: 37.90 ug/L
 RT: 5.478 min Scan# 1754
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

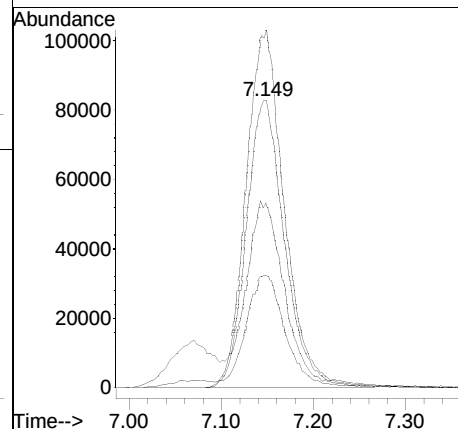
Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	24.6	37.0

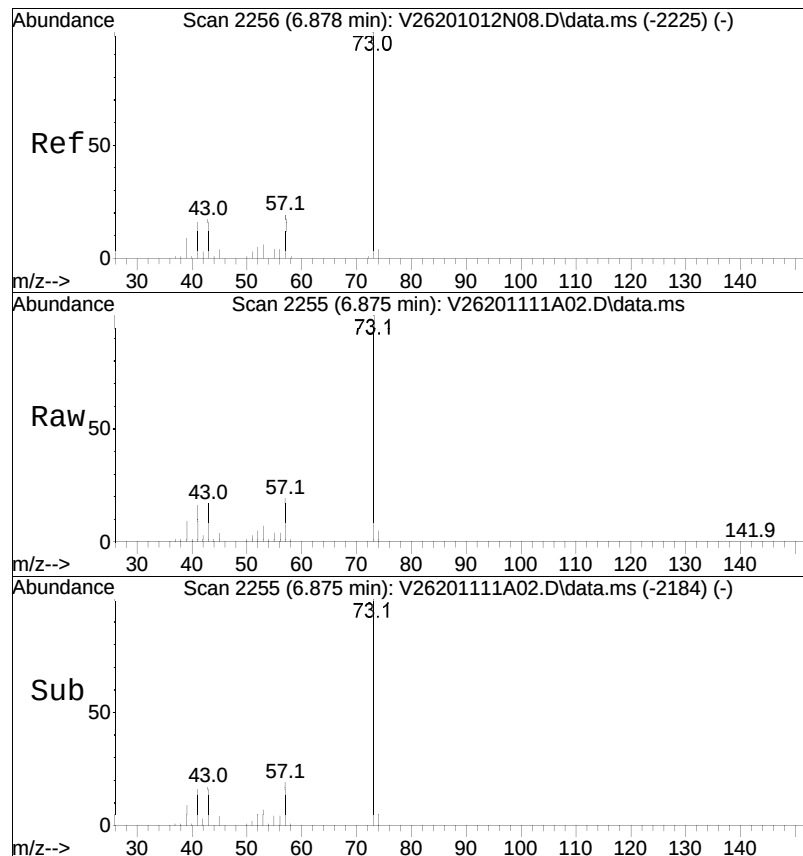




#20
 trans-1,2-Dichloroethene
 Concen: 32.99 ug/L
 RT: 7.149 min Scan# 2353
 Delta R.T. -0.000 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

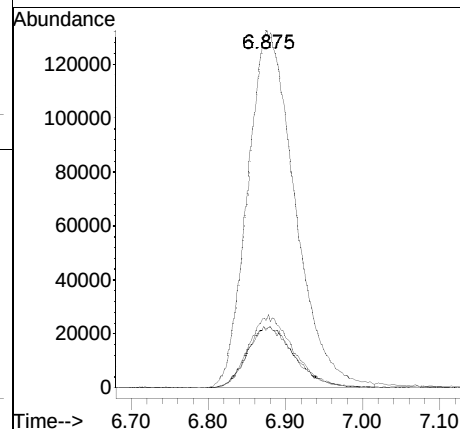
Tgt Ion:	96	Resp:	238455
Ion Ratio	Lower	Upper	
96	100		
61	124.4	94.1	195.5
98	64.9	42.4	88.0
63	38.6	30.4	63.0

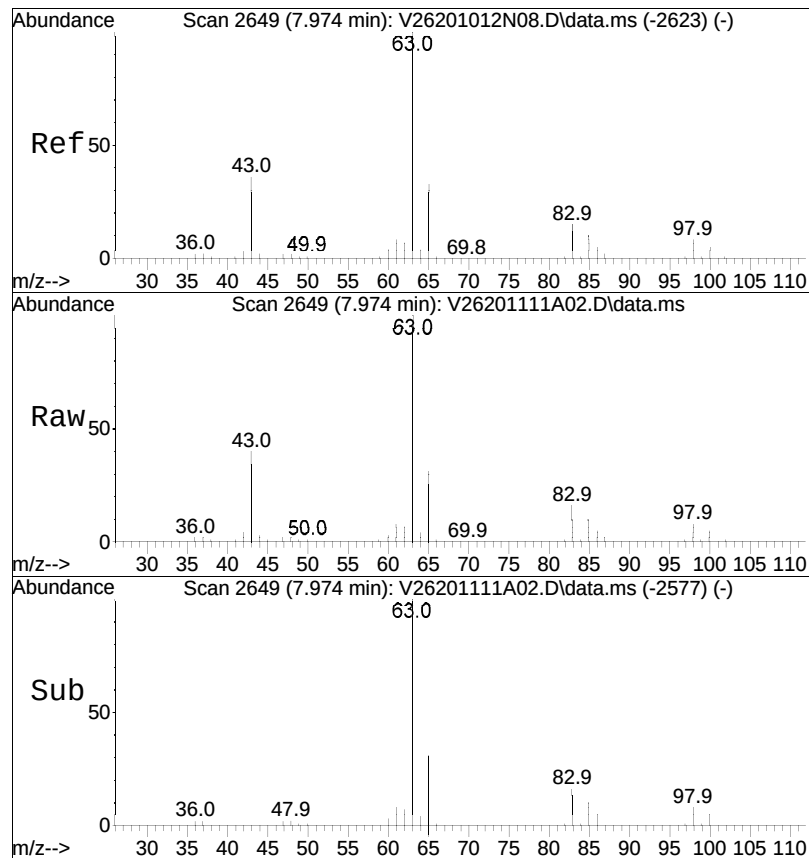




#23
Methyl tert-butyl ether
Concen: 34.24 ug/L
RT: 6.875 min Scan# 2255
Delta R.T. -0.003 min
Lab File: V26201111A02.D
Acq: 11 Nov 2020 11:30 am

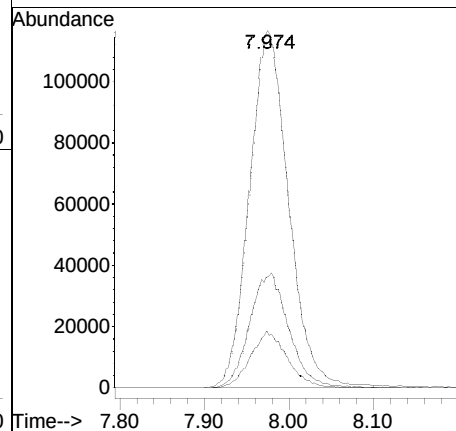
Tgt Ion:	73	Resp:	559786
Ion	Ratio	Lower	Upper
73	100		
57	19.6	15.8	32.8
43	17.2	14.7	30.5
41	17.1	14.8	30.8

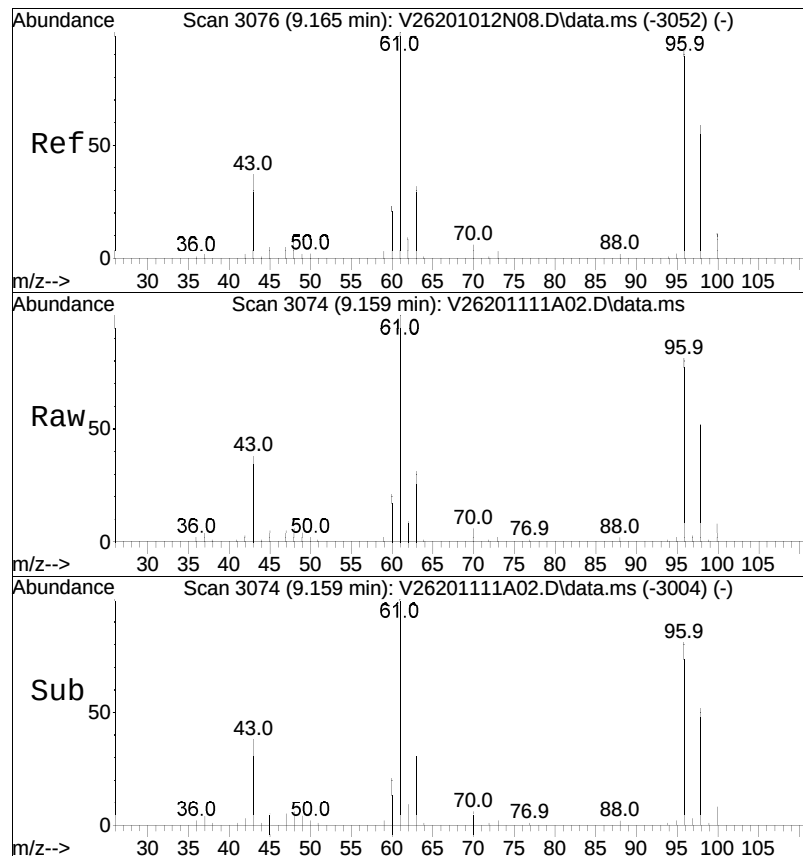




#26
 1,1-Dichloroethane
 Concen: 33.57 ug/L
 RT: 7.974 min Scan# 2649
 Delta R.T. 0.000 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

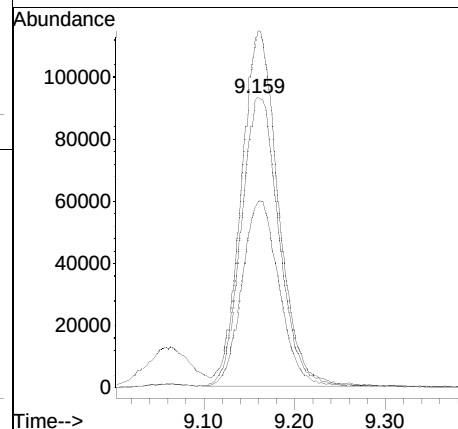
Tgt Ion:	63	Resp:	371514
Ion Ratio	Lower	Upper	
63	100		
65	32.1	11.3	51.3
83	15.0	0.0	33.1

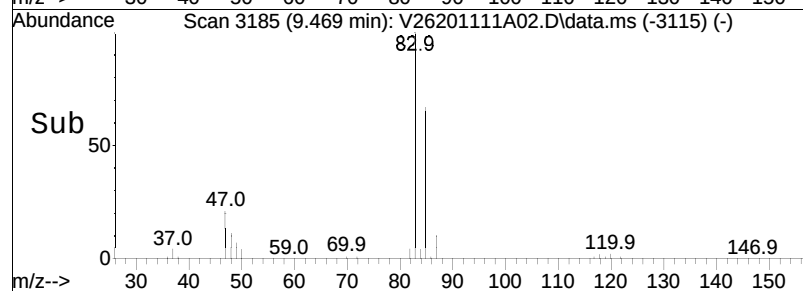
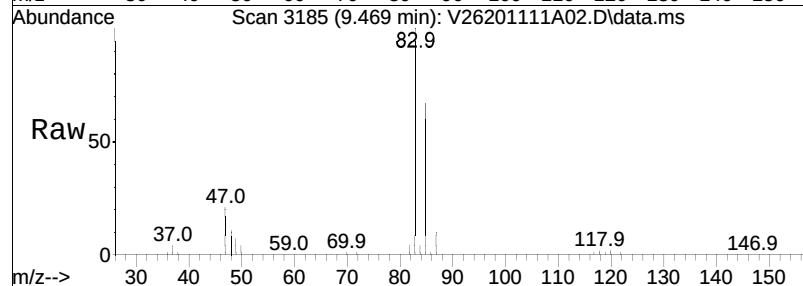
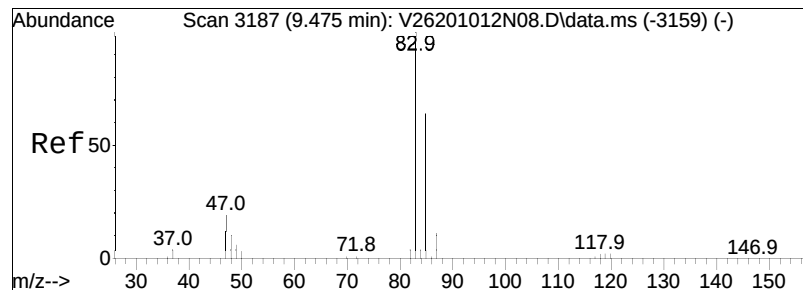




#31
 cis-1,2-Dichloroethene
 Concen: 32.90 ug/L
 RT: 9.159 min Scan# 3074
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

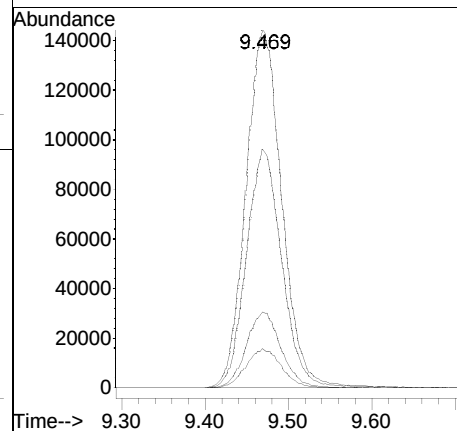
Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.5	117.3	175.9
98	63.5	51.4	77.0

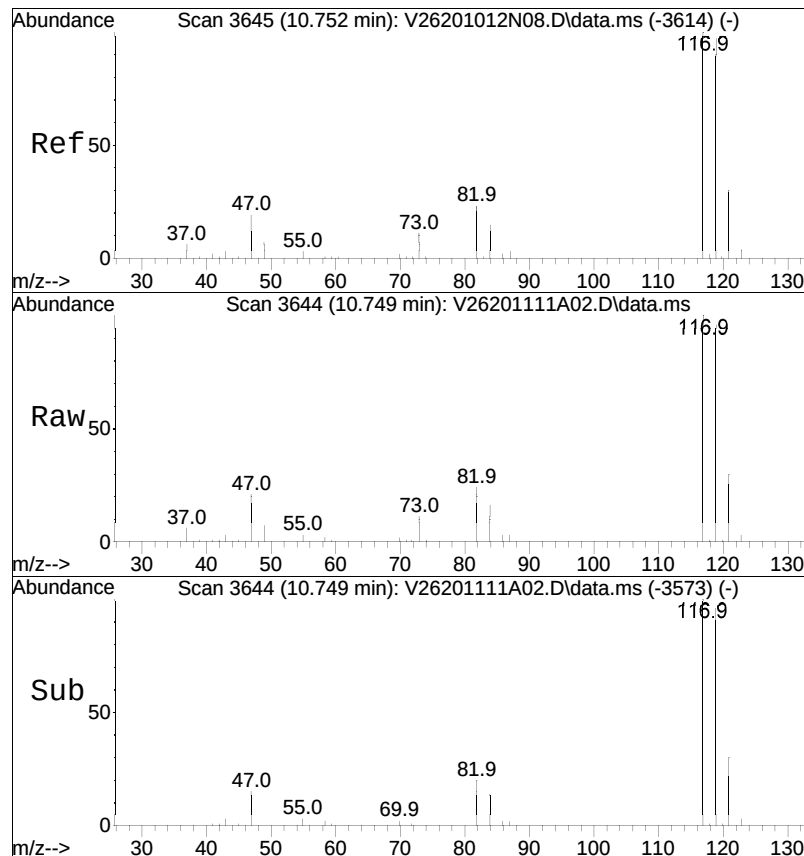




#35
 Chloroform
 Concen: 32.61 ug/L
 RT: 9.469 min Scan# 3185
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

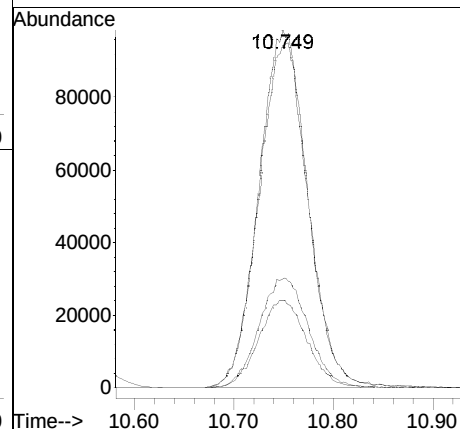
Tgt Ion:	83	Resp:	426666
Ion Ratio	Lower	Upper	
83	100		
85	65.6	42.3	87.9
47	20.7	17.3	35.9
48	11.0	8.3	17.3

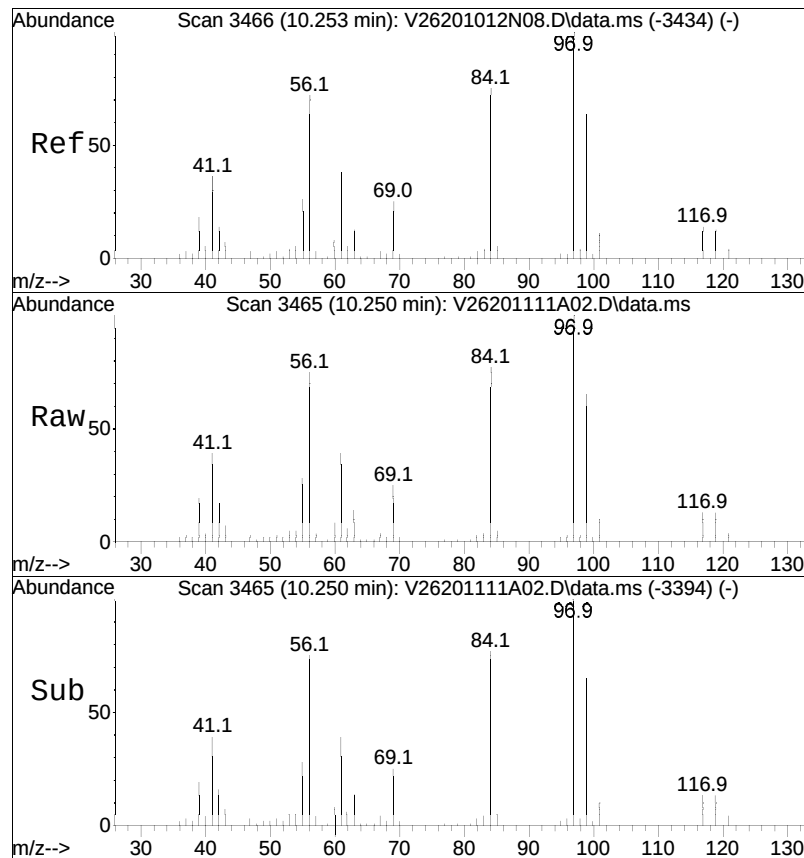




#37
 Carbon tetrachloride
 Concen: 32.49 ug/L
 RT: 10.749 min Scan# 3644
 Delta R.T. -0.003 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

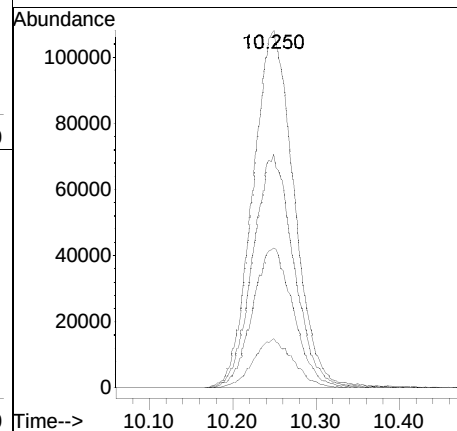
Tgt Ion:	117	Resp:	334060
Ion Ratio	Lower	Upper	
117	100		
119	96.8	62.5	129.9
121	31.1	20.3	42.1
82	24.3	15.5	32.1

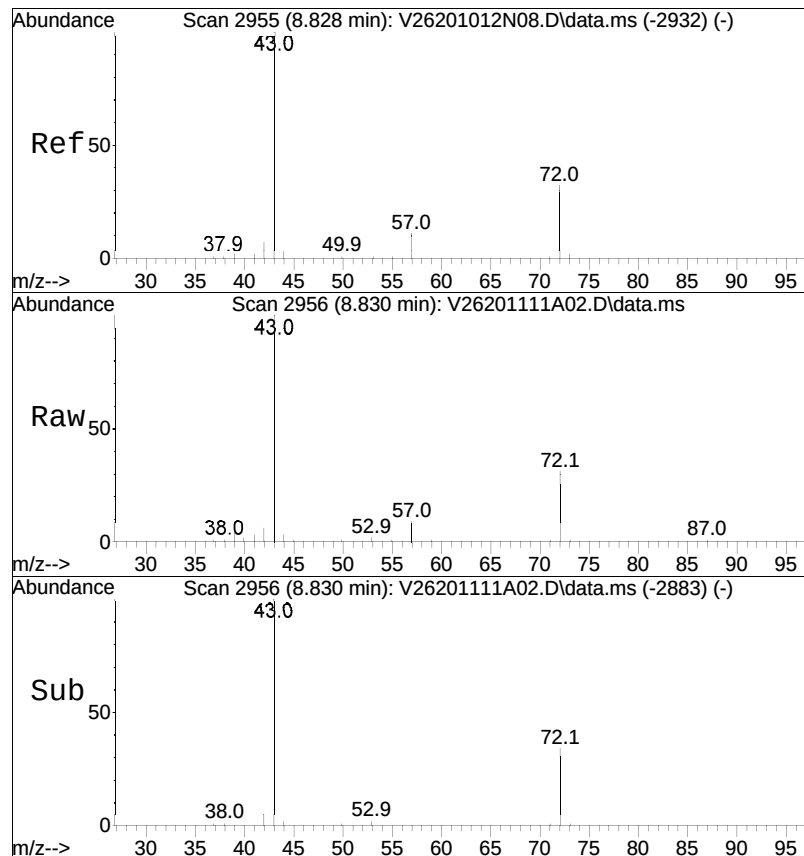




#40
 1,1,1-Trichloroethane
 Concen: 32.59 ug/L
 RT: 10.250 min Scan# 3465
 Delta R.T. -0.003 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

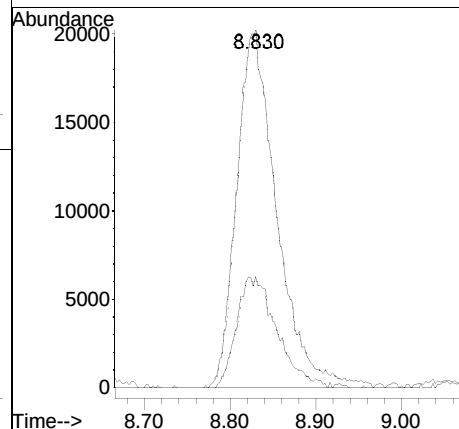
Tgt Ion:	97	Resp:	369268
Ion Ratio	Lower	Upper	
97	100		
99	64.9	41.9	86.9
61	39.4	29.7	61.7
63	13.4	9.9	20.5

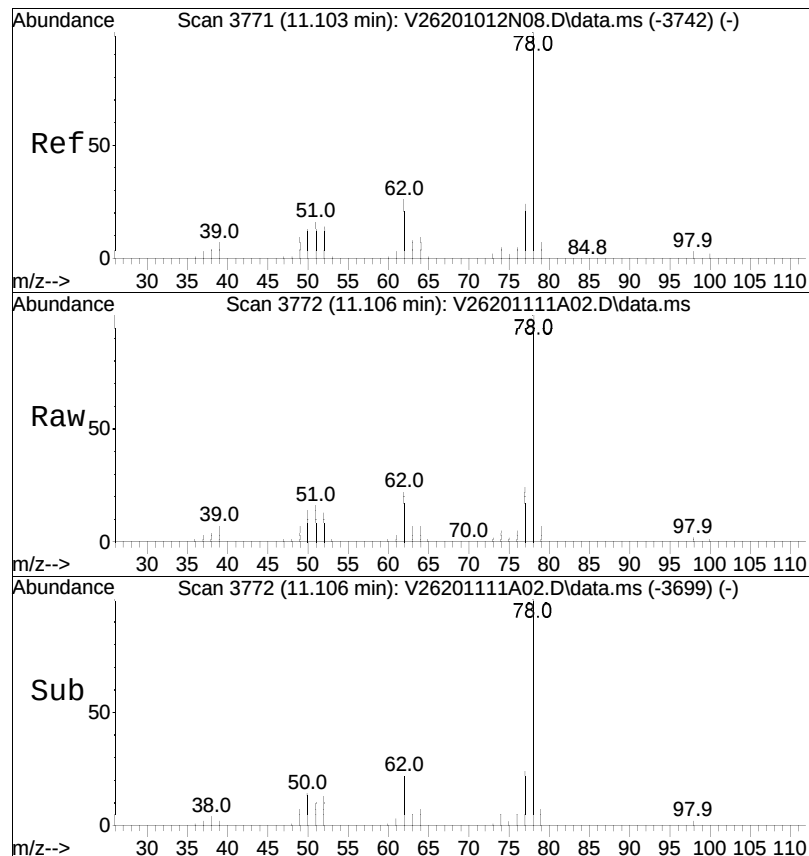




#42
 2-Butanone
 Concen: 39.19 ug/L
 RT: 8.830 min Scan# 2956
 Delta R.T. 0.002 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

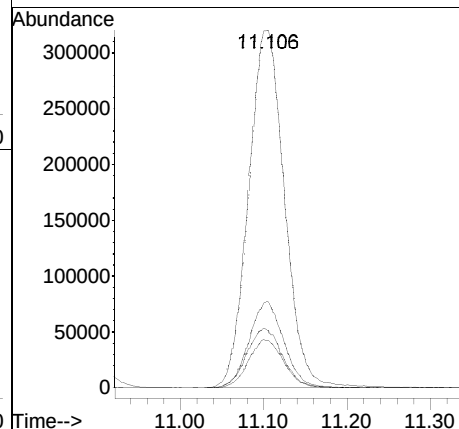
Tgt Ion:	43	72	Ratio	Lower	Upper
Resp:	65060				
	100	30.9		18.7	28.1#

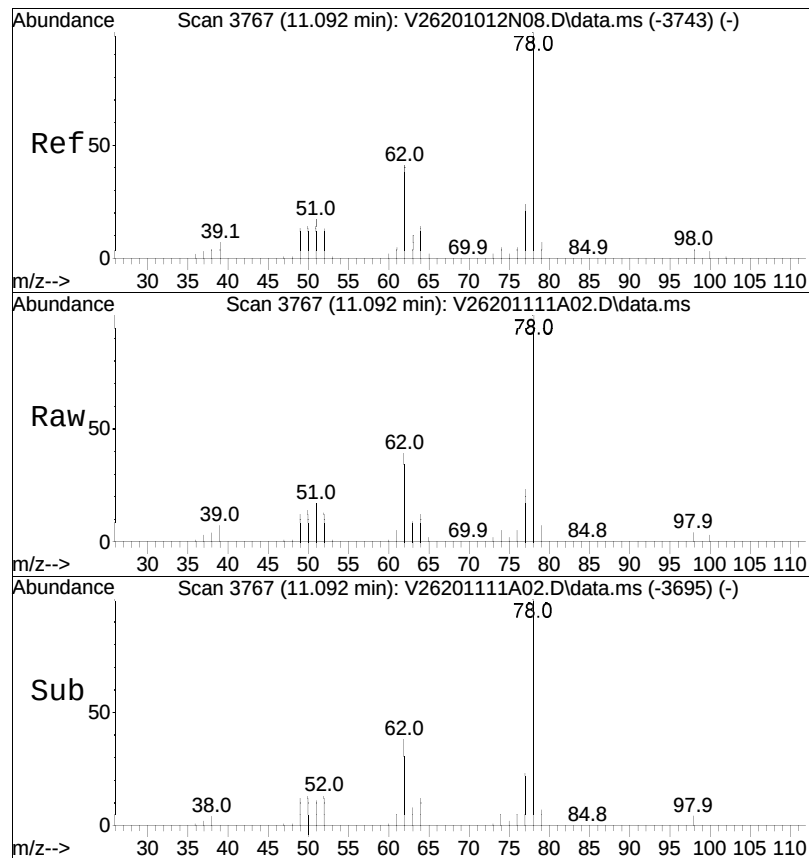




#45
Benzene
Concen: 33.49 ug/L
RT: 11.106 min Scan# 3772
Delta R.T. 0.003 min
Lab File: V26201111A02.D
Acq: 11 Nov 2020 11:30 am

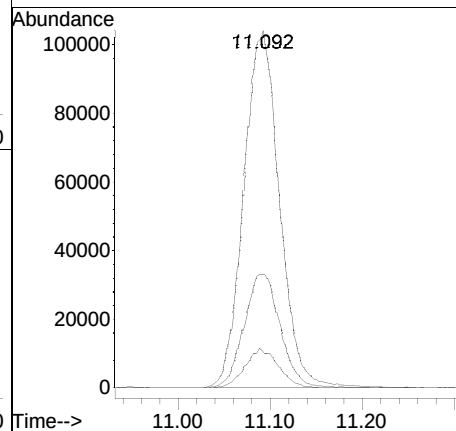
Tgt Ion: 78	Resp: 948171
Ion Ratio	Lower Upper
78 100	
77 23.5	15.6 32.4
51 16.7	14.3 29.7
52 13.3	11.9 24.7

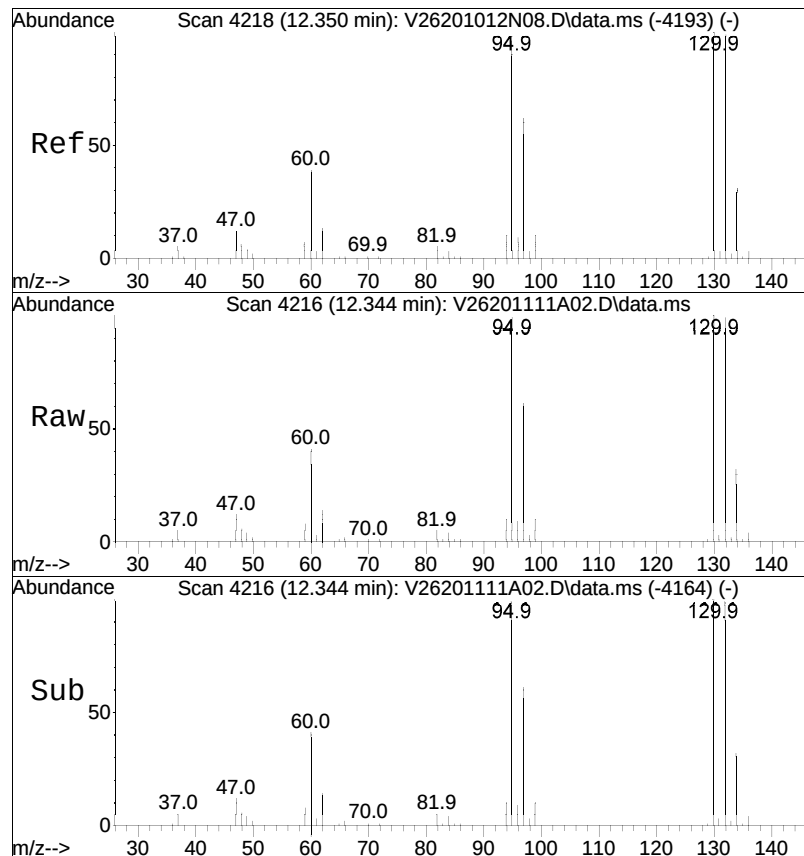




#48
 1,2-Dichloroethane
 Concen: 33.41 ug/L
 RT: 11.092 min Scan# 3767
 Delta R.T. -0.000 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

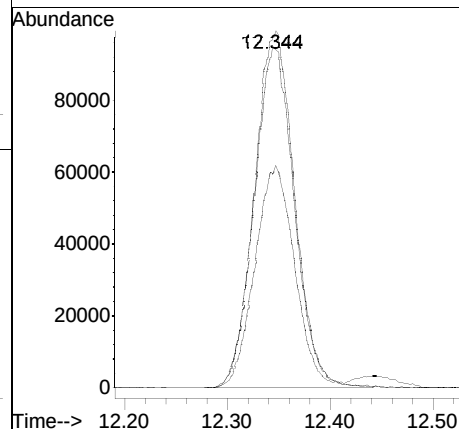
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	12.0	52.0
98	10.3	0.0	29.3

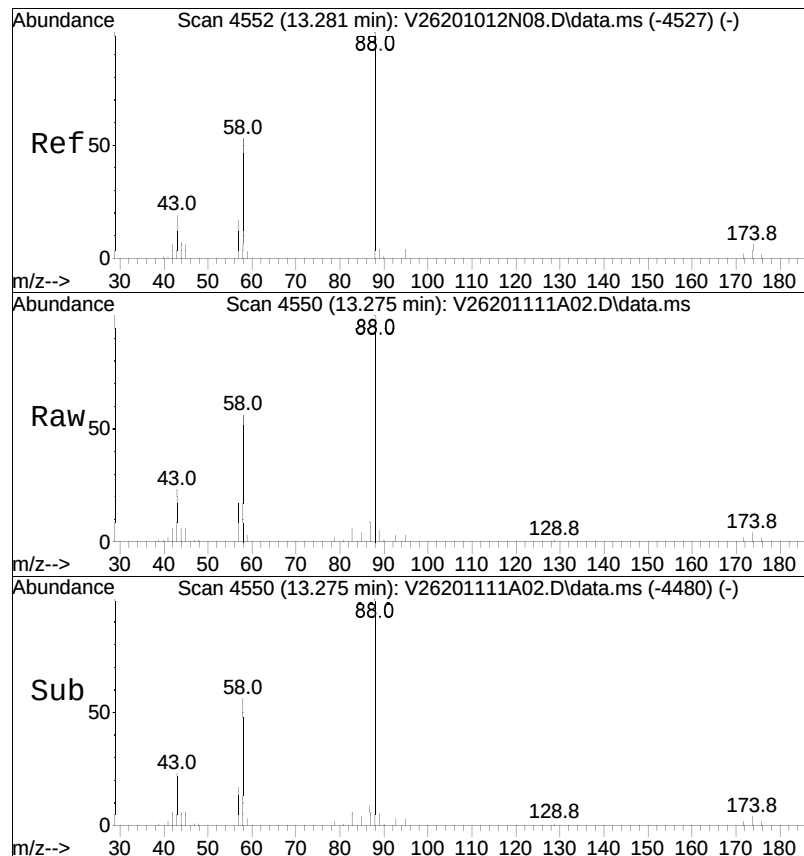




#52
 Trichloroethene
 Concen: 32.92 ug/L
 RT: 12.344 min Scan# 4216
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

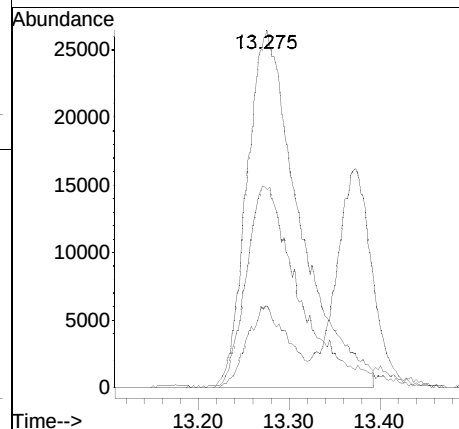
Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.9	51.3	76.9
130	104.9	84.5	126.7

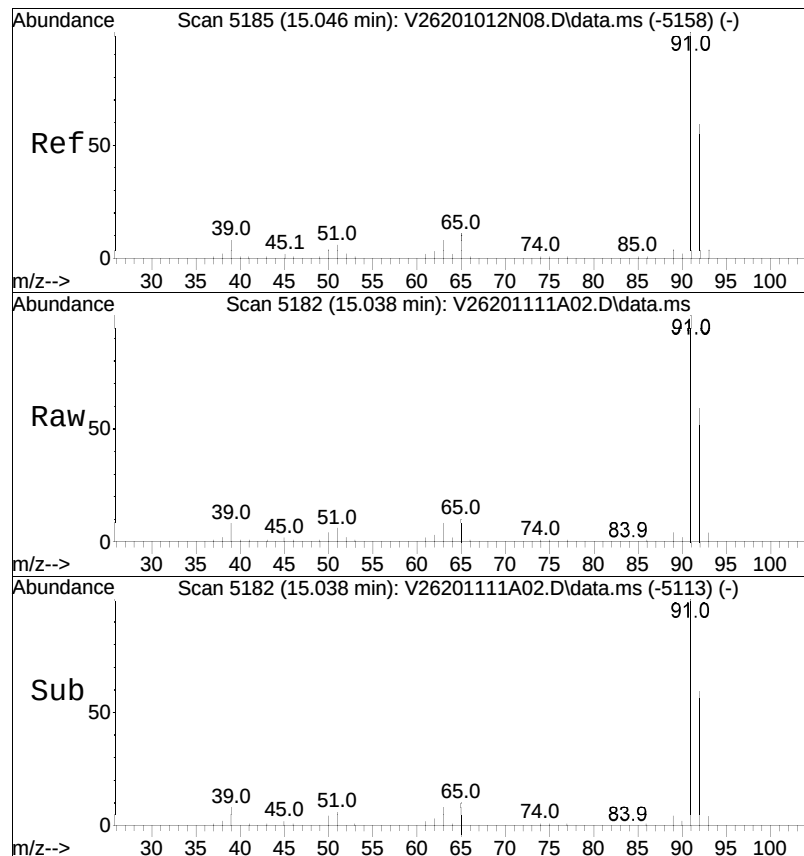




#61
 1,4-Dioxane
 Concen: 1722.70 ug/L
 RT: 13.275 min Scan# 4550
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

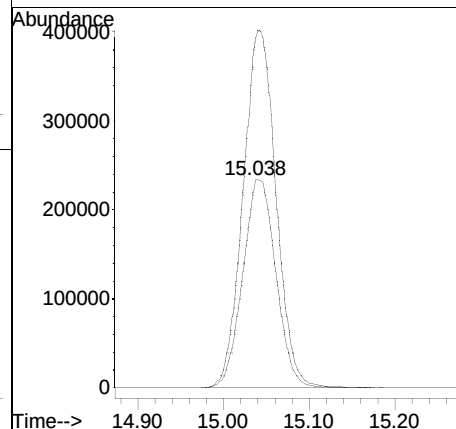
Tgt Ion	Ratio	Lower	Upper
88	100		
58	58.4	57.0	85.4
43	18.2	20.4	30.6

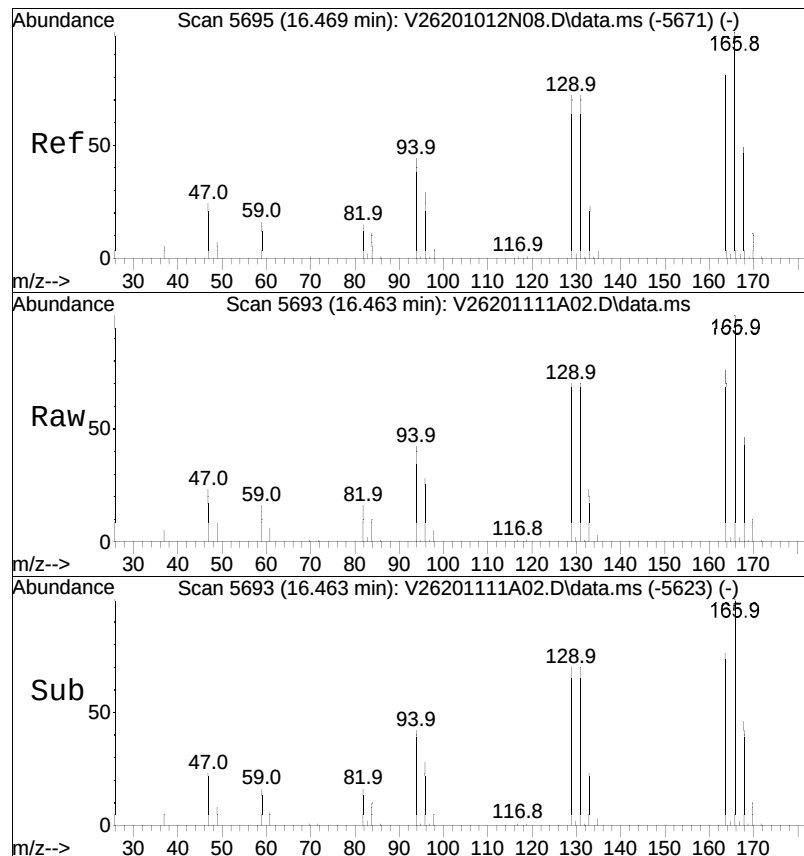




#66
 Toluene
 Concen: 35.19 ug/L
 RT: 15.038 min Scan# 5182
 Delta R.T. -0.008 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

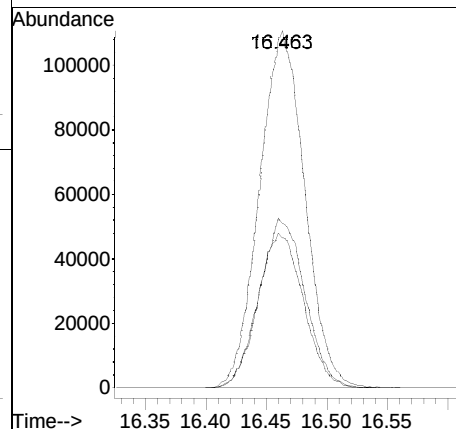
Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.3	132.2	198.2

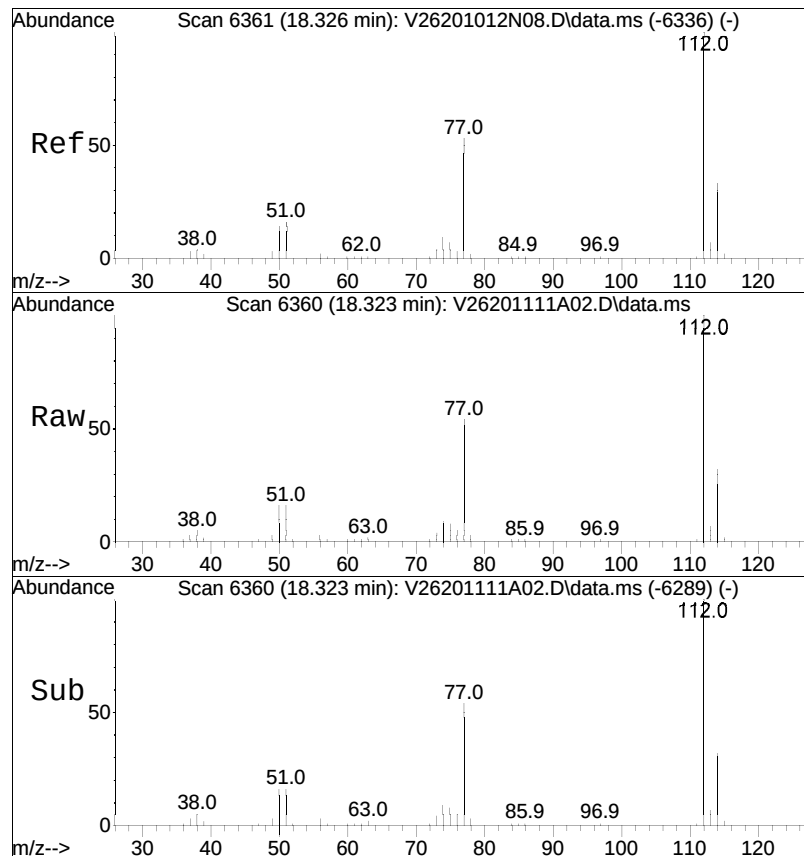




#68
 Tetrachloroethene
 Concen: 33.75 ug/L
 RT: 16.463 min Scan# 5693
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

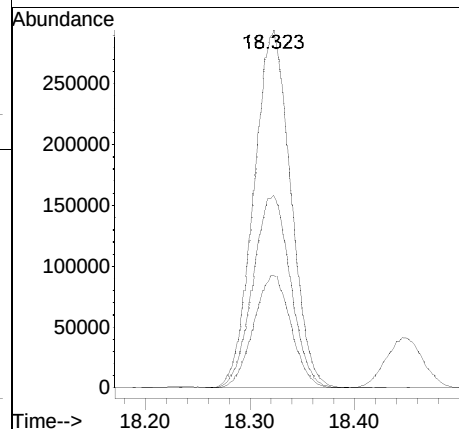
Tgt Ion:	166	Resp:	286046
Ion Ratio	Lower	Upper	
166	100		
168	47.9	27.8	67.8
94	44.2	24.4	64.4

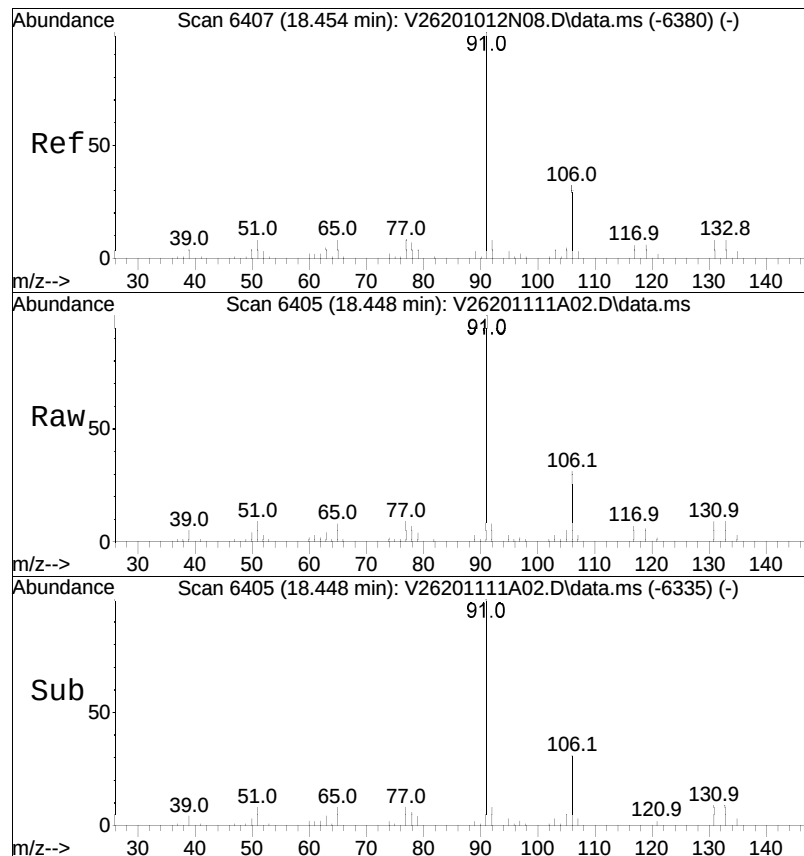




#82
 Chlorobenzene
 Concen: 35.05 ug/L
 RT: 18.323 min Scan# 6360
 Delta R.T. -0.003 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

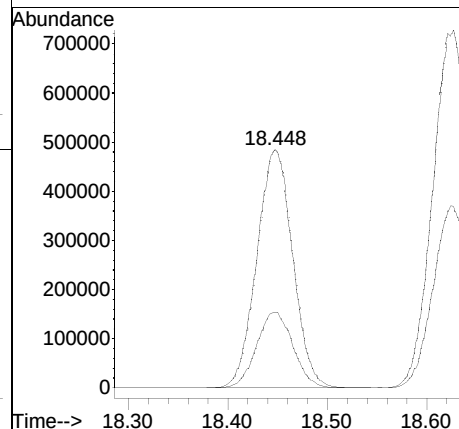
Tgt	Ion:112	Resp:	716731
Ion	Ratio	Lower	Upper
112	100		
77	54.4	46.1	69.1
114	32.0	26.3	39.5

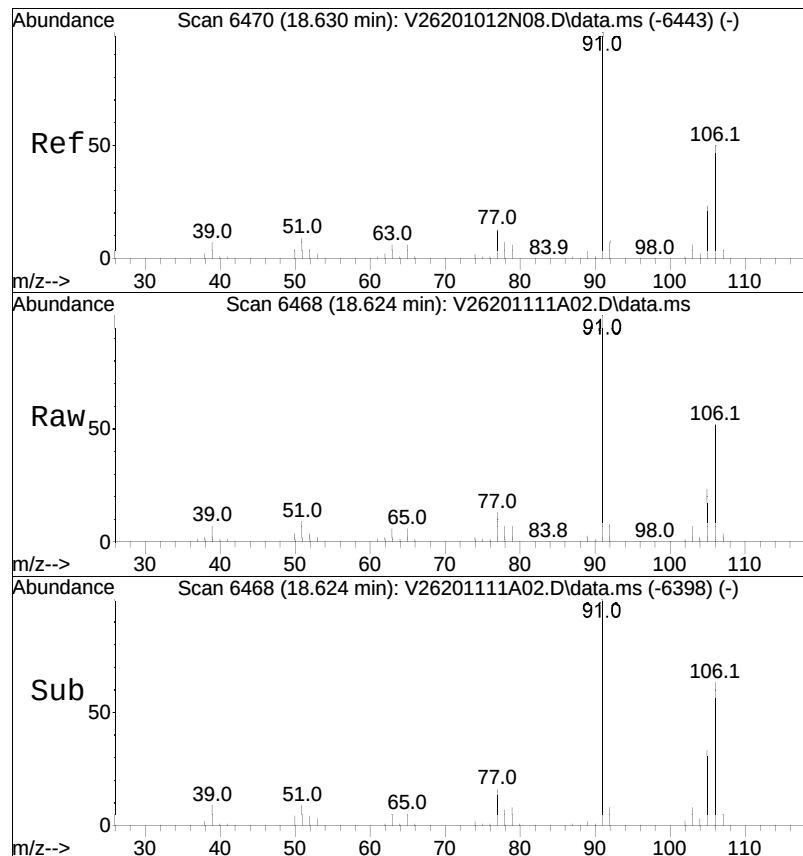




#83
 Ethylbenzene
 Concen: 35.67 ug/L
 RT: 18.448 min Scan# 6405
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

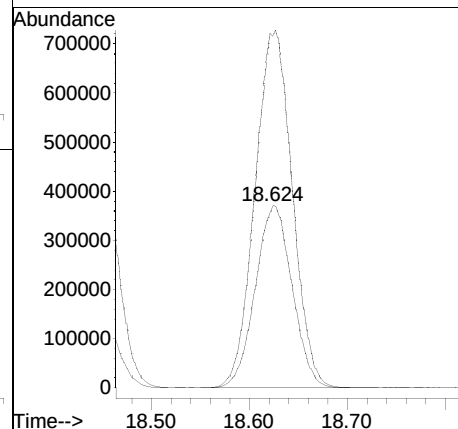
Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	26.6	39.8

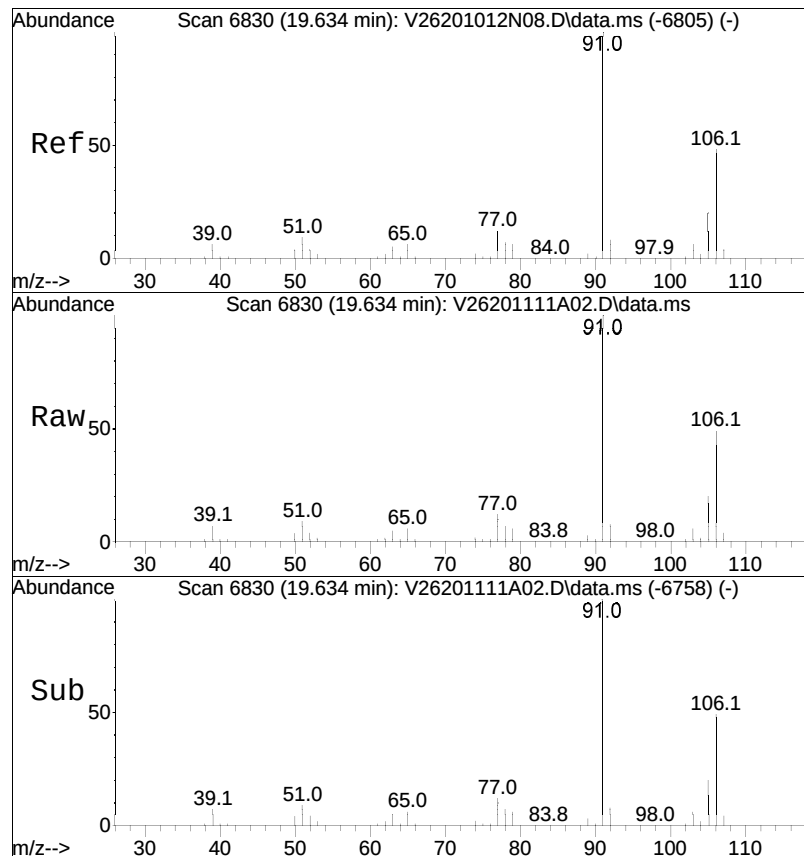




#85
 p/m Xylene
 Concen: 71.28 ug/L
 RT: 18.624 min Scan# 6468
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

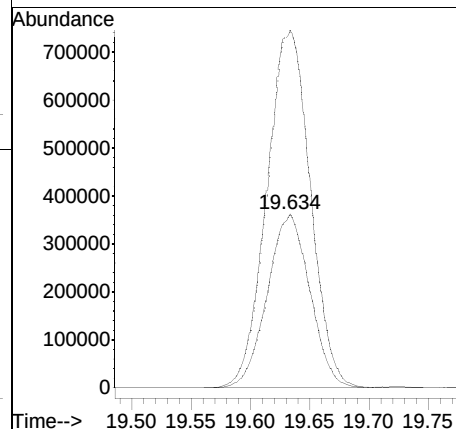
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	197.9	147.9	221.9	

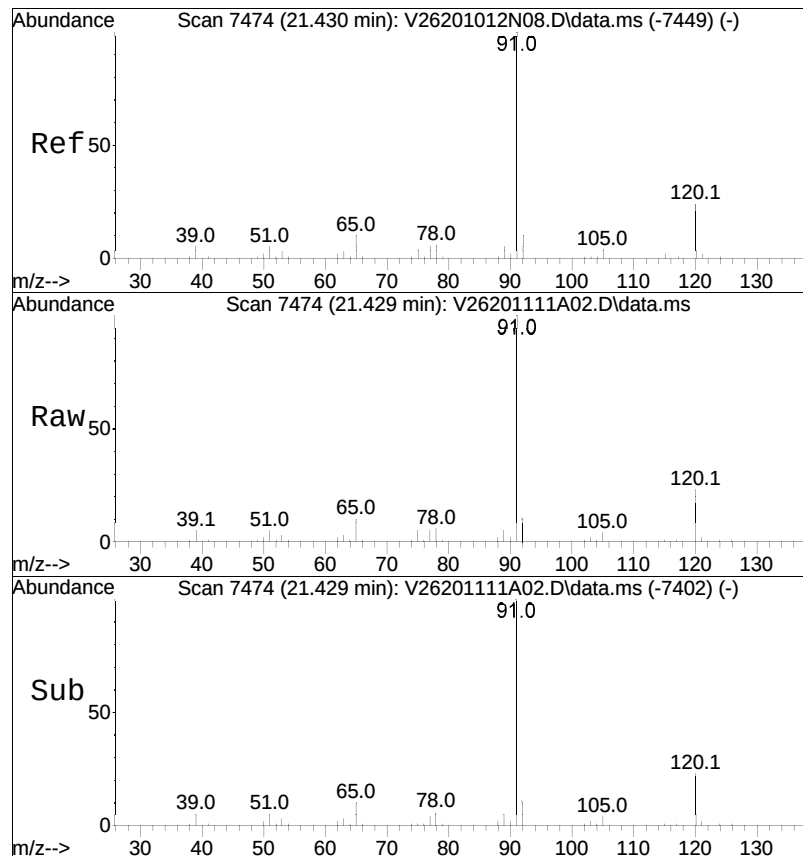




#86
o Xylene
Concen: 71.07 ug/L
RT: 19.634 min Scan# 6830
Delta R.T. -0.000 min
Lab File: V26201111A02.D
Acq: 11 Nov 2020 11:30 am

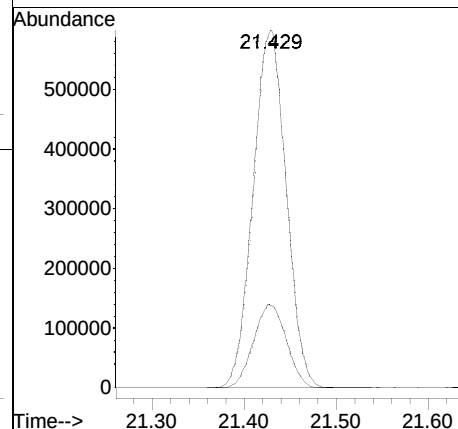
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	209.8	155.0	232.6	

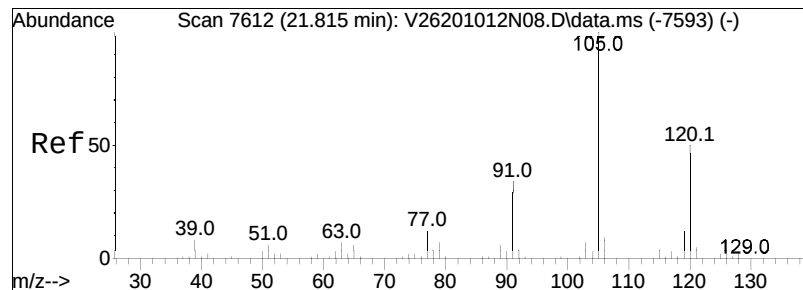




#95
 n-Propylbenzene
 Concen: 37.15 ug/L
 RT: 21.429 min Scan# 7474
 Delta R.T. -0.001 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

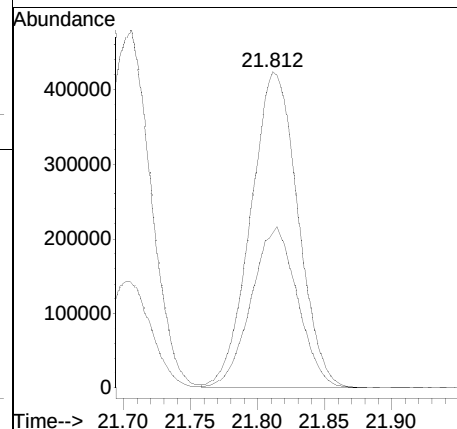
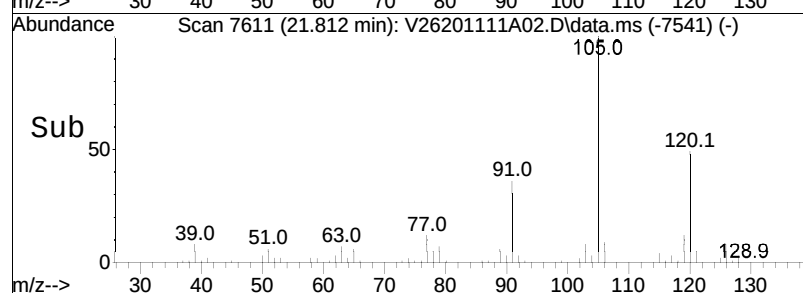
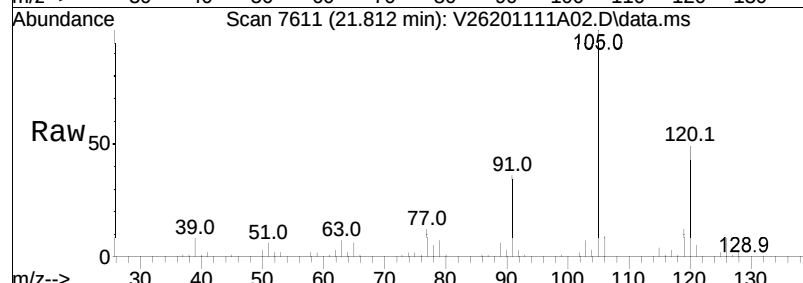
Tgt Ion: 91 Resp: 1476275
 Ion Ratio Lower Upper
 91 100
 120 23.4 19.9 29.9

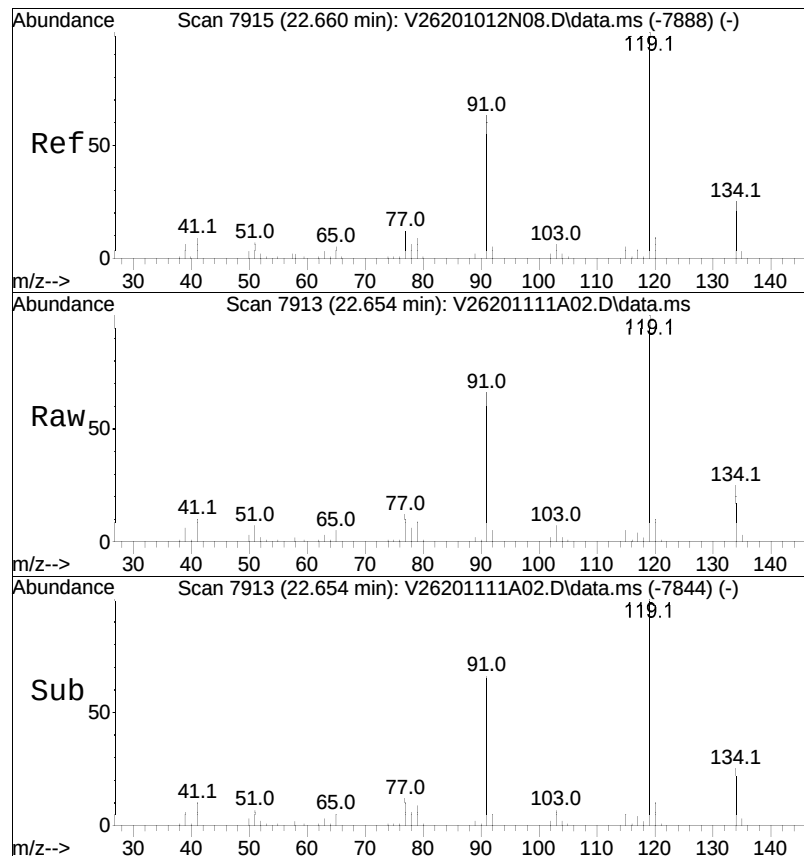




#100
 1,3,5-Trimethylbenzene
 Concen: 35.81 ug/L
 RT: 21.812 min Scan# 7611
 Delta R.T. -0.003 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

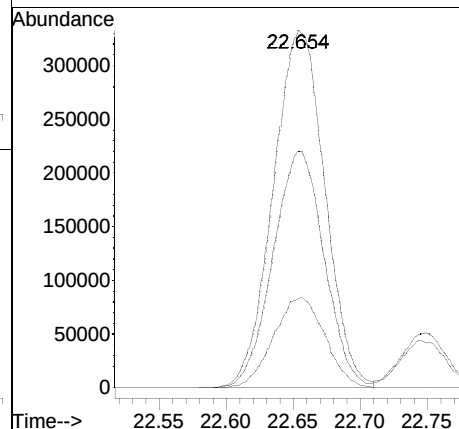
Tgt Ion:105 Resp: 1033439
 Ion Ratio Lower Upper
 105 100
 120 50.1 41.4 62.0

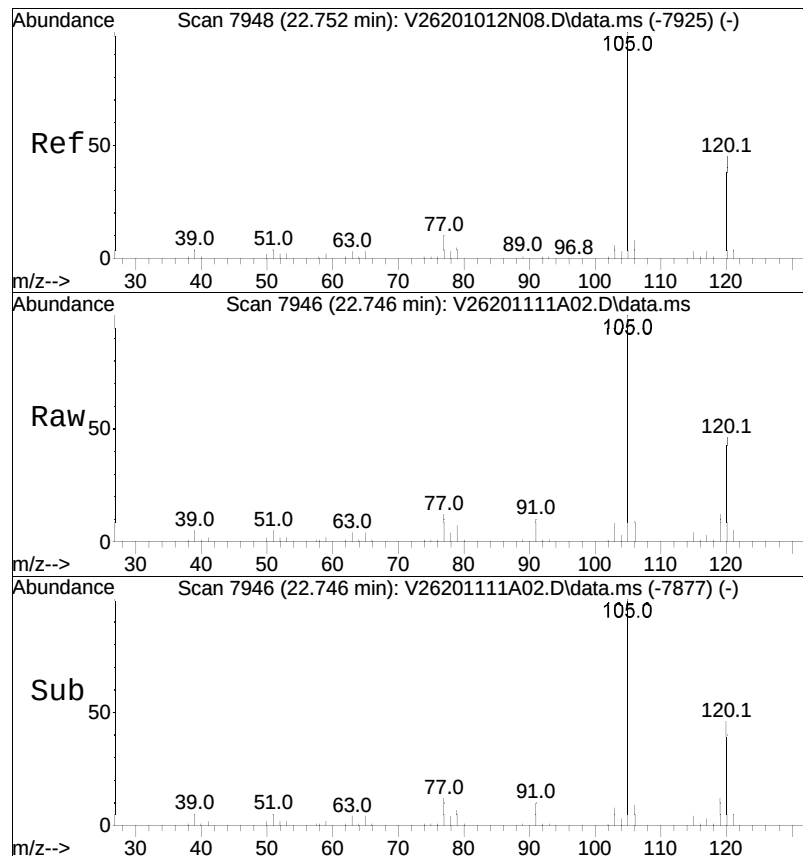




#104
 tert-Butylbenzene
 Concen: 35.94 ug/L
 RT: 22.654 min Scan# 7913
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

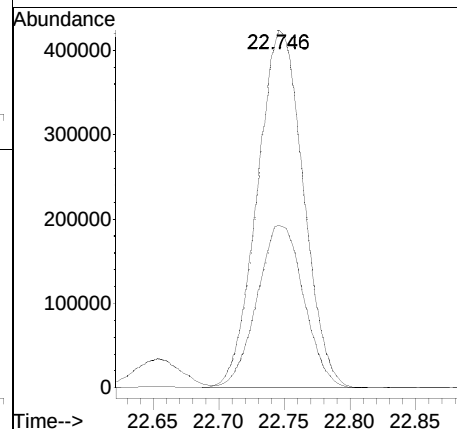
Tgt	Ion:119	Resp:	886596
Ion	Ratio	Lower	Upper
119	100		
91	65.5	52.6	79.0
134	25.3	20.7	31.1

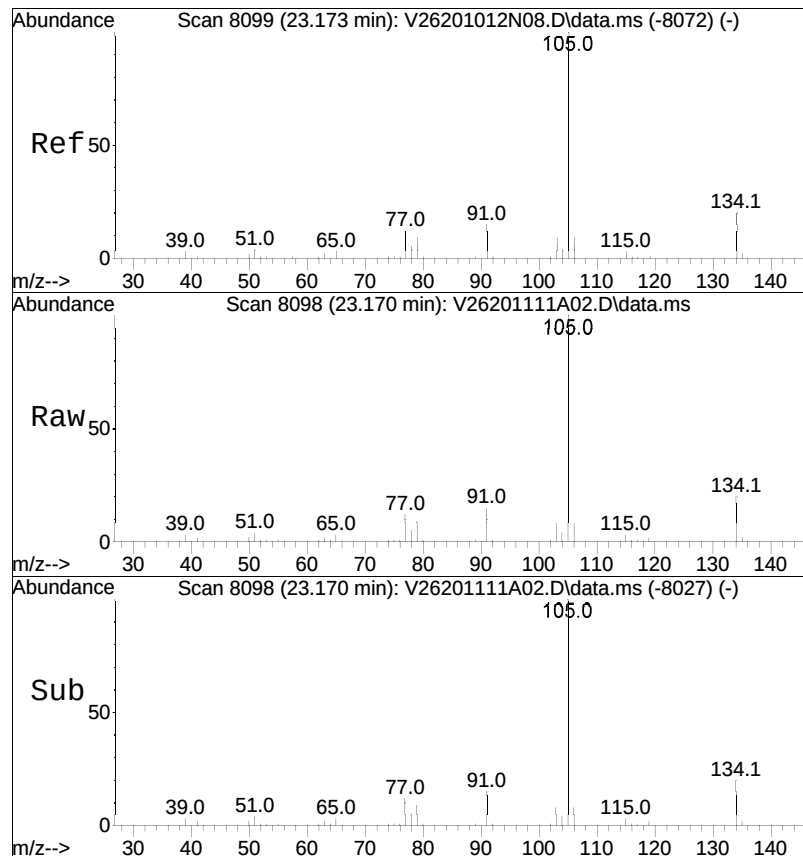




#107
 1,2,4-Trimethylbenzene
 Concen: 36.43 ug/L
 RT: 22.746 min Scan# 7946
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

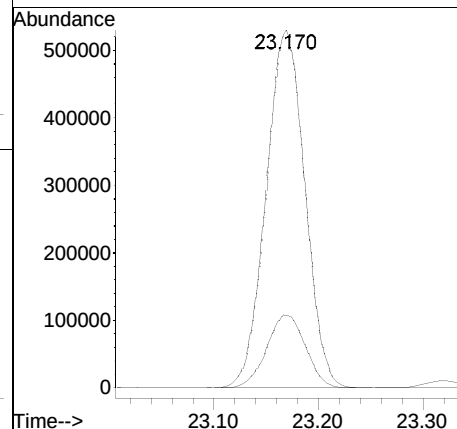
Tgt Ion:105 Resp: 1024184
 Ion Ratio Lower Upper
 105 100
 120 46.3 38.7 58.1

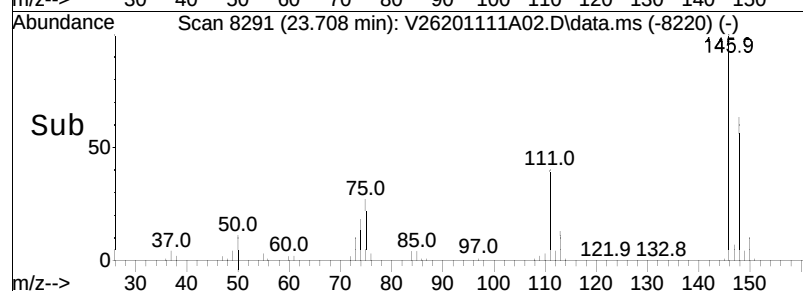
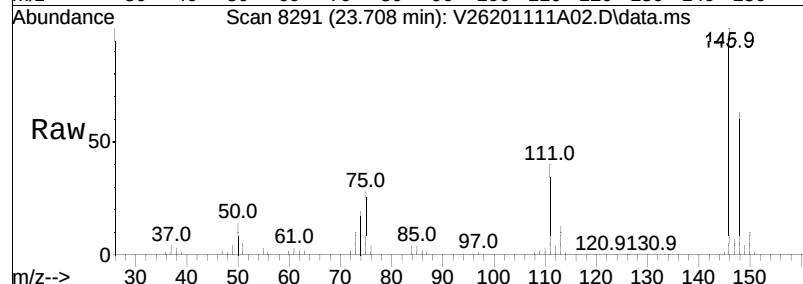
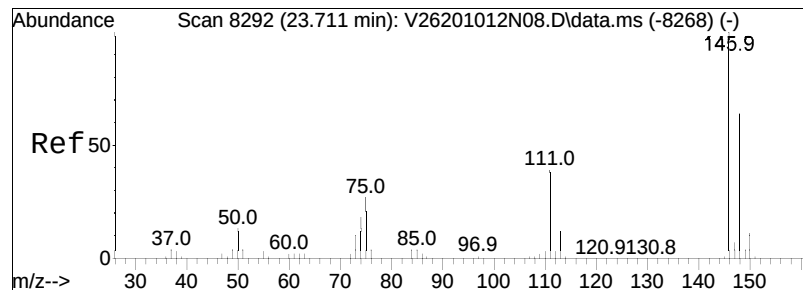




#109
 sec-Butylbenzene
 Concen: 36.90 ug/L
 RT: 23.170 min Scan# 8098
 Delta R.T. -0.003 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

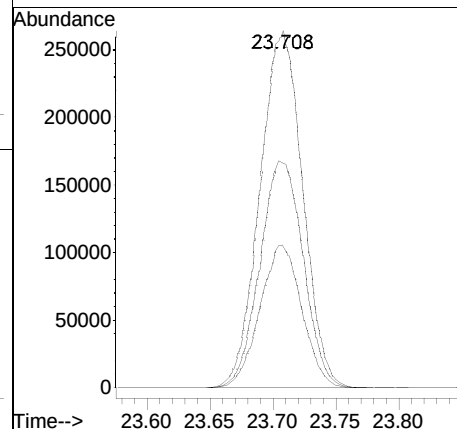
Tgt Ion	105	134	Ratio	Lower	Upper
105	100				
134	20.5		14.0	29.0	

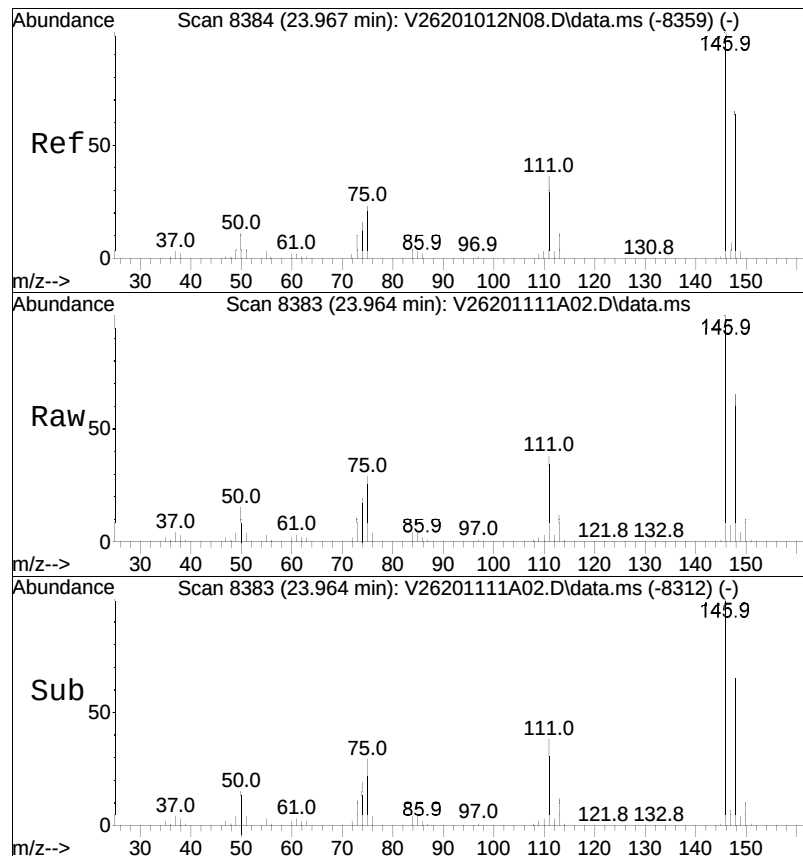




#111
 1,3-Dichlorobenzene
 Concen: 36.49 ug/L
 RT: 23.708 min Scan# 8291
 Delta R.T. -0.003 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

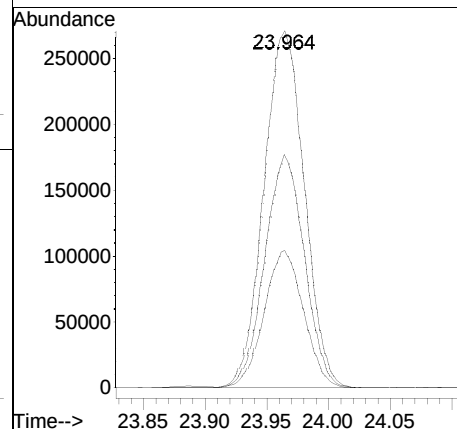
Tgt	Ion	Ratio	Lower	Upper
146	100			
111	39.4	26.4	54.8	
148	64.5	41.7	86.5	

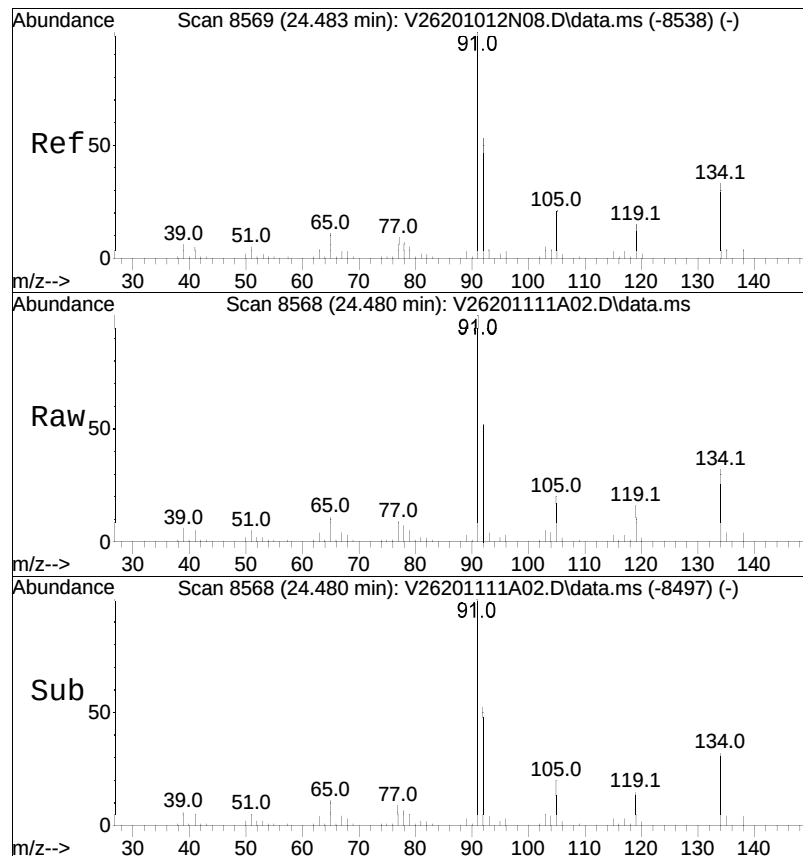




#112
 1,4-Dichlorobenzene
 Concen: 36.61 ug/L
 RT: 23.964 min Scan# 8383
 Delta R.T. -0.003 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

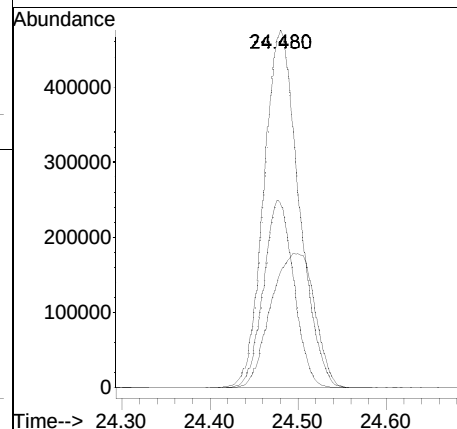
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	31.2	46.8
148	64.0	51.4	77.0

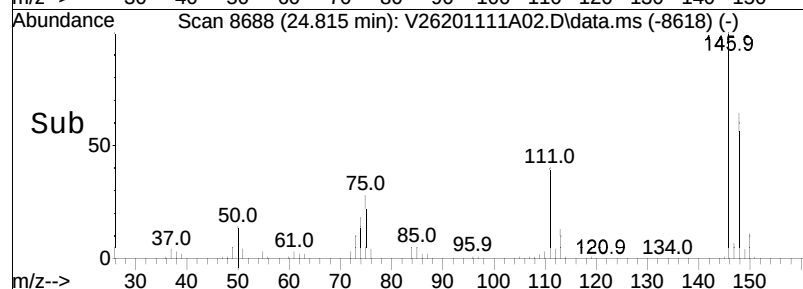
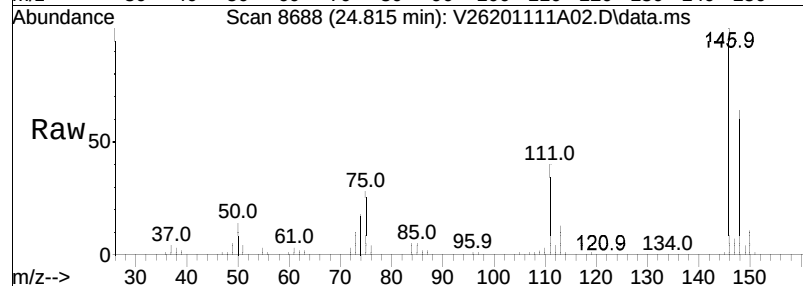
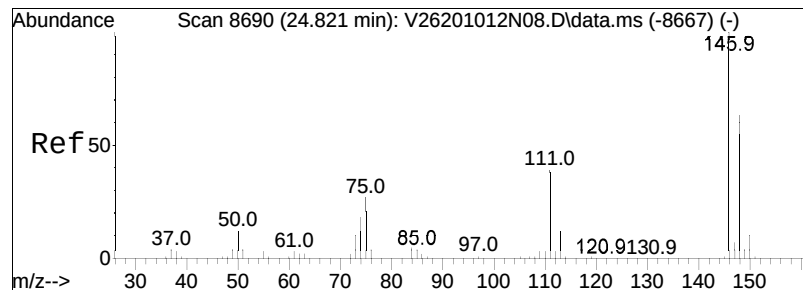




#116
 n-Butylbenzene
 Concen: 36.84 ug/L
 RT: 24.480 min Scan# 8568
 Delta R.T. -0.003 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

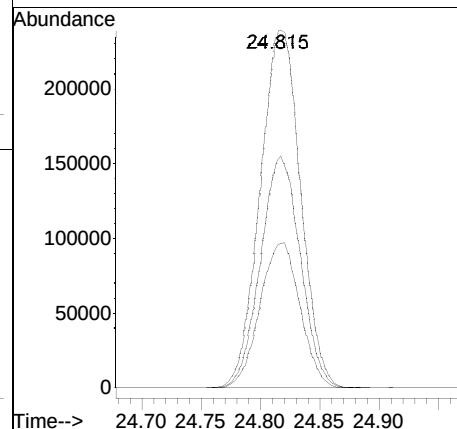
Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.7	38.2	57.4
134	47.2	39.1	58.7





#118
 1,2-Dichlorobenzene
 Concen: 36.43 ug/L
 RT: 24.815 min Scan# 8688
 Delta R.T. -0.006 min
 Lab File: V26201111A02.D
 Acq: 11 Nov 2020 11:30 am

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.3	56.7
148	63.8	41.6	86.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA126\2020\20	Method	: V126_201012N_8260Suff.m
Data File	: V26201111A02.D	Operator	: VOA126:MV
Date Inj'd	: 11/11/2020 11:30 am	Instrument	: VOA126
Sample	: WG1433193-4,31,5,5	Quant Date	: 11/11/2020 12:19 pm

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)

Jan 05 2021, 02:54 pm

Work Group: WG1431978 for Department: 31 GC/MS - Volatiles

Created: 09-NOV-20 Due: Operator: jc

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2048500-01	SB-6	S NYTCL-8260HLW	SOIL	DONE	U	1118	1111	S0	8260SET
L2048500-02	SB-5	S NYTCL-8260HLW	SOIL	DONE	U	1118	1111	S0	8260SET
L2048500-04	SB-3	S NYTCL-8260HLW	SOIL	DONE	U	1118	1111	S0	8260SET
L2048500-05	SB-2	S NYTCL-8260HLW	SOIL	DONE	U	1118	1111	S0	8260SET
L2048500-06	SB-1 (1.5-2)	S NYTCL-8260HLW	SOIL	DONE	U	1118	1111	S0	8260SET
L2048956-01	104-SP-01(TCL)	S NYTCL-8260-R2	SOIL	DONE	U	1119	1110	1B	Vial-Large
L2049037-01	SB-1A (0-2)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1110	1B	8260SET
L2049037-02	SB-1A (2-4)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1110	1B	8260SET
L2049037-06	SB-4A (0-2)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1110	1B	8260SET
L2049037-07	SB-4A (2-4)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1110	1B	8260SET
L2049049-01	RA-17	S NYTCL-8260HLW	SOIL	DONE	U	1120	1111	1C	8260SET
L2049049-02	RA-16	S NYTCL-8260HLW	SOIL	DONE	U	1120	1111	1C	8260SET
L2049049-03	RA-15	S NYTCL-8260HLW	SOIL	DONE	U	1120	1111	1C	8260SET
L2049049-04	RA-14	S NYTCL-8260HLW	SOIL	DONE	U	1120	1111	1C	8260SET
L2049049-05	RA-13	S NYTCL-8260HLW	SOIL	DONE	U	1120	1111	1C	8260SET
L2049049-06	DUP-11.06.2020	S NYTCL-8260HLW	SOIL	DONE	U	1120	1111	1C	8260SET
WG1431978-1	MS BFB Tune Standard	S NYTCL-8260-R2	SOIL	DONE	U				
WG1431978-1	MS BFB Tune Standard	S NYTCL-8260HLW	SOIL	DONE	U				
WG1431978-2	Continuing Calibrati	S NYTCL-8260-R2	SOIL	DONE	U				
WG1431978-2	Continuing Calibrati	S NYTCL-8260HLW	SOIL	DONE	U				
WG1431978-3	Laboratory Control S	S NYTCL-8260HLW	SOIL	DACQ	U				
WG1431978-3	Laboratory Control S	S NYTCL-8260-R2	SOIL	DONE	U				
WG1431978-4	LCS Duplicate	S NYTCL-8260HLW	SOIL	DACQ	U				
WG1431978-4	LCS Duplicate	S NYTCL-8260-R2	SOIL	DONE	U				
WG1431978-5	Laboratory Method BL	S NYTCL-8260HLW	SOIL	DACQ	U				
WG1431978-5	Laboratory Method BL	S NYTCL-8260-R2	SOIL	DONE	U				
Comments:									
WG1431978-4	WG1431978-3								

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 05 2021, 02:54 pm

Work Group: WG1432466 for Department: 31 GC/MS - Volatiles

Created: 10-NOV-20 Due: Operator: jc

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2048401-04	EW-4	S NYCP51-8260	SOIL	DONE	U	1118	1111	S0	Vial-Large
L2049037-11	DRY WELL-1	S NYTCL-8260HLW	SOIL	DONE	U	1120	1110	1B	8260SET
L2049113-13	S-36 SURFACE	S NYTCL-8260HLW	SOIL	DONE	U	1120	1113	S0	8260SET
L2049113-14	S-36 (4-5)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1113	S0	8260SET
L2049113-15	S-36 (8-9)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1113	S0	8260SET
L2049113-16	S-36 (13-14)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1113	S0	8260SET
L2049113-17	S-36 (18-19)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1113	S0	8260SET
L2049113-18	S-36 (22-23)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1113	S0	8260SET
L2049113-19	DUP-2	S NYTCL-8260HLW	SOIL	DONE	U	1120	1113	S0	8260SET
WG1432466-1	MS BFB Tune Standard	S NYCP51-8260	SOIL	DONE	U				
WG1432466-1	MS BFB Tune Standard	S NYTCL-8260HLW	SOIL	DONE	U				
WG1432466-2	Continuing Calibrati	S NYTCL-8260HLW	SOIL	DONE	U				
WG1432466-2	Continuing Calibrati	S NYCP51-8260	SOIL	DONE	U				
WG1432466-3	Laboratory Control S	S NYCP51-8260	SOIL	DACQ	U				
WG1432466-3	Laboratory Control S	S NYTCL-8260HLW	SOIL	DONE	U				
WG1432466-4	LCS Duplicate	S NYTCL-8260HLW	SOIL	DONE	U				
WG1432466-4	LCS Duplicate	S NYCP51-8260	SOIL	DACQ	U				
WG1432466-5	Laboratory Method Bl	S NYTCL-8260HLW	SOIL	DONE	U				
WG1432466-5	Laboratory Method Bl	S NYCP51-8260	SOIL	DACQ	U				
Comments:									
WG1432466-4	WG1432466-3								

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 05 2021, 02:54 pm

Work Group: WG1432524 for Department: 31 GC/MS - Volatiles

Created: 10-NOV-20 Due: Operator: mv

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2049037-07	SB-4A (2-4)	S NYTCL-8260H	SOIL	DONE	U	1120	1110	1B	Vial-F
L2049353-01	SIDE-1	S NYSTARS-8260HLW-G	SOIL	DONE	U	1123	1110	1A	8260SET
L2049353-03	SIDE-2	S NYSTARS-8260HLW-G	SOIL	DONE	U	1123	1110	1A	8260SET
WG1432524-1	MS BFB Tune Standard	S NYSTARS-8260HLW-G	SOIL	DONE	U				
WG1432524-1	MS BFB Tune Standard	S NYTCL-8260H	SOIL	DONE	U				
WG1432524-2	Continuing Calibrati	S NYSTARS-8260HLW-G	SOIL	DONE	U				
WG1432524-2	Continuing Calibrati	S NYTCL-8260H	SOIL	DONE	U				
WG1432524-3	Laboratory Control S	S NYTCL-8260H	SOIL	DACQ	U				
WG1432524-3	Laboratory Control S	S NYSTARS-8260HLW-G	SOIL	DONE	U				
WG1432524-4	LCS Duplicate	S NYTCL-8260H	SOIL	DACQ	U				
WG1432524-4	LCS Duplicate	S NYSTARS-8260HLW-G	SOIL	DONE	U				
WG1432524-5	Laboratory Method Bl	S NYTCL-8260H	SOIL	DACQ	U				
WG1432524-5	Laboratory Method Bl	S NYSTARS-8260HLW-G	SOIL	DONE	U				
Comments:									
WG1432524-4	WG1432524-3								

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 05 2021, 02:54 pm

Work Group: WG1433193 for Department: 31 GC/MS - Volatiles

Created: 11-NOV-20 Due: Operator: KJD

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2049037-08	SB-4A (4-6)	S NYTCL-8260HLW	SOIL	DONE	U	1120	1113	1B	8260SET
WG1433193-1	MS BFB Tune Standard	S NYTCL-8260HLW	SOIL	DONE	U				
WG1433193-2	Continuing Calibrati	S NYTCL-8260HLW	SOIL	DONE	U				
WG1433193-3	Laboratory Control S	S NYTCL-8260HLW	SOIL	DONE	U				
WG1433193-4	LCS Duplicate	S NYTCL-8260HLW	SOIL	DONE	U				
WG1433193-5	Laboratory Method Bl	S NYTCL-8260HLW	SOIL	DONE	U				
Comments:									
WG1433193-4	WG1433193-3								

Inst: VOA104

BFB: V7842

Initials: TAB

IS/SS: V7898

Date: 06/02/20

ICAL: V7902A,V7824

Run: B

ICV: V7855,V7897,V7822,V7903,V7884,V7872

Method

GC: 8260SOIL

Autosampler: 8260_SOIL

Concentrator: 8260



QC: _____ Seq: _____

Vial	Data File	Sample
1	V04200602BFB	BFB TUNE
1	V04200602BFB1	BFB TUNE
1	V04200602A01	BLANK
2	V04200602A02	BLANK
3	V04200602A03	I8260STD0.5PPB
4	V04200602A04	I8260STD1.0PPB
5	V04200602A05	I8260STD2.0PPB
6	V04200602A06	I8260STD4.0PPB
7	V04200602A07	I8260STD20PPB
8	V04200602A08	I8260STD40PPB
9	V04200602A09	I8260STD100PPB
10	V04200602A10	I8260STD200PPB
11	V04200602A11	I8260STD300PPB
12	V04200602A12	BLANK
13	V04200602A13	BLANK
14	V04200602A14	BLANK
15	V04200602A15	C8260STD40PPB
16	V04200602A16	C8260STD40PPB
17	V04200602A17	BLANK

201012N

2020

VOA126

RUSH	HT	PRI

Method

GC: #



Inst: VOA126

BFB: v7999

Initials: AD

IS/SS: V8050

Autosampler: 8260_SOIL

Date: 10/12/20

ICAL: V8016, V8061-2B, V8062A

Concentrator: #

Run: N

ICV: V8052, V8053, V8072, V8059, V8071, V8024, V8003

QC: _____ Seq: _____

Vial	Data File	Sample
1	V26201012NBF1	BFB TUNE
1	V26201012NBF2	BFB TUNE
2	V26201012NBF3	BFB TUNE
3	V26201012NBF4	BFB TUNE
4	V26201012N01	BLK
5	V26201012N02	BLK
6	V26201012N03	I8260STD0.5PPB
7	V26201012N04	I8260STD1.0PPB
8	V26201012N05	I8260STD2.0PPB
9	V26201012N06	I8260STD4.0PPB
10	V26201012N07	I8260STD20PPB
11	V26201012N08	I8260STD40PPB
12	V26201012N09	I8260STD100PPB
13	V26201012N10	I8260STD200PPB
14	V26201012N11	I8260STD300PPB
15	V26201012N12	BLK
16	V26201012N13	BLK
17	V26201012N14	BLK
18	V26201012N15	C8260STD40PPB
19	V26201012N16	C8260STD40PPB
20	V26201012N17	BLK

RUSH	HT	PRI

Inst: VOA111

BFB V8075

Initials: AJK

IS/SS: V8094

Date: 10/28/20

ICAL: V8061-2F,V8079

Run: P

ICV: V8052,V8053,V8072,V8059,V8071,V8024

Method
GC: 8260_
Autosampler: 8260so
Concentrator: 8260_



QC: _____ Seq: _____

Vial	Data File	Sample
1	V11201028BF1	BFB TUNE
1	V11201028BF2	BFB TUNE
2	V11201028BF3	BFB TUNE
3	V11201028P01	BLK
4	V11201028P02	BLK
5	V11201028P03	I8260STD0.5PPB
6	V11201028P04	I8260STD1.0PPB
7	V11201028P05	I8260STD2.0PPB
8	V11201028P06	I8260STD4.0PPB
9	V11201028P07	I8260STD20PPB
10	V11201028P08	I8260STD40PPB
11	V11201028P09	I8260STD100PPB
12	V11201028P10	I8260STD200PPB
13	V11201028P11	I8260STD300PPB
14	V11201028P12	BLK
15	V11201028P13	BLK
16	V11201028P14	BLK
17	V11201028P15	BLK
18	V11201028P16	C8260STD20PPB
19	V11201028P17	C8260STD20PPB
20	V11201028P18	BLK
21	V11201028P19	BLK
22	V11201028P20	MEOH BLK
23	V11201028P21	MDL 0.5PPB
24	V11201028P22	MDL 1.0PPB
25	V11201028P23	MDL 4.0PPB

RUSH	HT	PRI



Inst: VOA104

BFB: V8075

Method
GC: 8260SOIL

Initials: AD

IS/SS: 8083

Autosampler: 8260_SOIL

Date: 11/09/20

CCAL: V8079, V8061-2E

Concentrator: 8260

Run: N

QC: _____ Seq: _____

Vial	Data File	Sample	
1	V04201109BF4	BFB TUNE	
1	V04201109N01	8260 CCAL F	
2	V04201109N02	8260 CCAL F	
3	V04201109N03	BLK	
4	V04201109N04	MEOH BLK	
5	V04201109N05	I2049040-12,31H,15.00,15,0.100,,a	M/HIGH-TB
6	V04201109N06	I2048828-06,31H,17.43,15,0.100,,a	M/HIGH
7	V04201109N07	I2049219-02,31H,17.53,15,0.100,,a	M/HIGH
8	V04201109N08	BLK	
9	V04201109N09	I2049037-11R,31,5.28,5,,c	NYHLW V111
10	V04201109N10	I2049113-13,31,5.36,5,,z	NYHLW/15
10	V04201109N11	I2049113-14,31,5.69,5,,z	NYHLW/15
11	V04201109N12	I2049113-15,31,4.23,5,,y	NYHLW/15
12	V04201109N13	I2049113-16,31,3.98,5,,z	NYHLW/15
13	V04201109N14	I2049113-17,31,4.26,5,,y	NYHLW/15
14	V04201109N15	I2049113-18,31,4.69,5,,y	NYHLW/15
15	V04201109N16	I2049113-19,31,4.57,5,,z	NYHLW/15
16	V04201109N17	I2048401-04,31,5.47,5,,z	NYCP51*
17	V04201109N18	I2048401-01,31,5.47,5,,z	NYCP51*
18	V04201109N19	BLK	
19	V04201109N20	BLK	
20	V04201109N21	STD	
21	V04201109N22	BLK	

RUSH	HT	PRI

Inst: VOA111

BFB V8075

Initials: AD

IS/SS: V8094

Date: 11/08/20

ICAL: V8061-2F,V8079

Run: A

ICV: V8052,V8053,V8072,V8059,V8071,V8024

Method
GC: 8260_
Autosampler: 8260so
Concentrator: 8260_



QC: _____ Seq: _____

Vial	Data File	Sample
1	V11201108BF1	BFB TUNE
1	V11201108A01	8260 CCAL F
2	V11201108A02	8260 CCAL F
3	V11201108A03	BLK
4	V11201108A04	MEOH BLK
5	V11201108A05	I2048777-09,31H,5.40,5,0.100,,x PA/HIGH
6	V11201108A06	I2048956-01,31,5.41,5,,z NYTCL/CURVE
7	V11201108A07	I2049037-01,31,6.02,5,,b NYHLW
8	V11201108A08	I2049037-02,31,4.72,5,,b NYHLW
5	V11201108A09	I2048777-09,31H,5.40,5,0.100,,x DOUBLE PURGE DO NOT USE
9	V11201108A10	I2049037-06,31,5.67,5,,b NYHLW
10	V11201108A11	I2049037-07,31,6.37,5,,b NYHLW
11	V11201108A12	I2049049-01,31,5.15,5,,z NYHLW/15
12	V11201108A13	I2049049-02,31,5.18,5,,z NYHLW/15
13	V11201108A14	I2049049-03,31,5.70,5,,z NYHLW/15
14	V11201108A15	I2049049-04,31,4.72,5,,z NYHLW/15
15	V11201108A16	I2049049-05,31,5.69,5,,z NYHLW/15
16	V11201108A17	I2049049-06,31,5.33,5,,y NYHLW/15
17	V11201108A18	I2048500-01,31,4.94,5,,b NYHLW
18	V11201108A19	I2048500-02,31,4.91,5,,c NYHLW
19	V11201108A20	I2048500-03,31,3.31,5,,c NYHLW
20	V11201108A21	I2048500-04,31,3.62,5,,c NYHLW
21	V11201108A22	I2048500-05,31,6.88,5,,c NYHLW
22	V11201108A23	I2048500-06,31,7.00,5,,c NYHLW
23	V11201108A24	I2048500-07,31H,5.21,5,0.100,,a NY/H
24	V11201108A25	I2049037-11,31H,3.86,5,0.100,,a NY/H
25	V11201108A26	I2048777-09DUP,31H,5.40,5,0.100,,x NJ QC
26	V11201108A27	I2048777-09MS,31H,5.40,5,0.100,,x NJ QC
27	V11201108A28	BLK

RUSH	HT	PRI

Inst: VOA111

BFB V8075

Initials: AD

IS/SS: V8094

Date: 11/09/20

ICAL: V8061-2F,V8079

Run: N

Method
GC: 8260_
Autosampler: 8260so
Concentrator: 8260_



QC: _____ Seq: _____

Vial	Data File	Sample	
1	V11201109BF1	BFB TUNE	
1	V11201109N01	8260 CCAL F	
2	V11201109N02	8260 CCAL F	
3	V11201109N03	BLK	
4	V11201109N04	MEOH BLK	
5	V11201109N05	I2048366-11R,31,8.26,5,,c	NJHLW RR V104
6	V11201109N06	I2048366-14R,31,9.71,5,,c	NJHLW RR V104
7	V11201109N07	I2048535-01,31,5.07,5,,y	OH-8260
8	V11201109N08	I2048535-02,31,5.04,5,,z	OH-8260
9	V11201109N09	I2048535-03,31,6.26,5,,z	OH-8260
10	V11201109N10	I2048535-04,31,5.34,5,,z	OH-8260
11	V11201109N11	I2048535-05,31,5.13,5,,y	OH-8260
12	V11201109N12	I2048535-06,31,5.52,5,,z	OH-8260
13	V11201109N13	I2048535-07,31,5.77,5,,z	OH-8260
14	V11201109N14	I2048535-08,31,5.84,5,,z	OH-8260
15	V11201109N15	I2048535-09,31,5.02,5,,z	OH-8260
16	V11201109N16	I2048535-10,31,5.18,5,,z	OH-8260
17	V11201109N17	I2048535-11,31,5.22,5,,z	OH-8260
18	V11201109N18	I2048535-12,31,5.34,5,,y	OH-8260
19	V11201109N19	I2048366-10,31H,7.03,5,0.100,,a	NJ/HIGH
20	V11201109N20	I2049037-07R,31H,5.99,5,0.100,,a	NY/HIGH (CONF)
21	V11201109N21	I2048366-10DUP,31H,7.03,5,0.100,,a	NJ/HIGH
22	V11201109N22	I2048366-10MS,31H,7.03,5,0.100,,a	NJ/HIGH
23	V11201109N23	BLK	

RUSH	HT	PRI

Inst: VOA111

BFB V8075

Initials: MJV

IS/SS: V8094

Date: 11/10/20

ICAL: V8061-2F,V8079

Run: A

Method
GC: 8260_
Autosampler: 8260so
Concentrator: 8260_



QC: _____ Seq: _____

Vial	Data File	Sample
1	V11201110BF2	BFB TUNE
1	V11201110A01	8260 CCAL F
2	V11201110A02	8260 CCAL F
3	V11201110A03	BLK
4	V11201110A04	MEOH BLK
5	V11201110A05	I2049353-01D,31H,8.55,15,0.025,,a NY/H CP51 FN
6	V11201110A06	I2049353-03D,31H,8.88,15,0.025,,a NY/H CP51 FN
7	V11201110A07	I2049353-01D2,31H,8.55,15,0.004,,a NY/H CP51 FN
8	V11201110A08	I2049324-03,31,4.62,5,,y PAHLW RSH
9	V11201110A09	I2049353-03,31H,8.88,15,0.100,,a NY/H CP51 FN
10	V11201110A10	BLNK
11	V11201110A11	I2049037-07D,31H,5.99,5,0.050,,a NY/HIGH
12	V11201110A12	I2048366-10,31H,7.05,5,0.100,,a NJ/HIGH
13	V11201110A13	I2049150-01,31,6.34,5,,c PAHLW RSH
14	V11201110A14	I2049150-02,31,6.69,5,,b PAHLW RSH
15	V11201110A15	I2049150-03,31,5.65,5,,b PAHLW RSH
16	V11201110A16	I2049150-04,31,7.08,5,,b PAHLW RSH
17	V11201110A17	I2048535-03R,31,5.58,5,,y OHIO
18	V11201110A18	I2048535-11R,31,5.49,5,,y OHIO
19	V11201110A19	I2048535-12R,31,5.37,5,,z OHIO
20	V11201110A20	I2047461-02,31,5.61,5,,y 8LW 50/50 HT 11-12
21	V11201110A21	I2047461-03,31,5.16,5,,y 8LW 50/50 HT 11-12
22	V11201110A22	I2048423-01D,31H,5.08,5,0.050,,a9 8/HIGH
23	V11201110A23	I2048423-01,31H,5.08,5,0.100,,a9 8/H
24	V11201110A24	BLNK
25	V11201110A25	I2049353-01DUP,31H,8.55,15,0.004,,a
26	V11201110A26	I2049353-01MS,31H,8.55,15,0.004,,a

RUSH	HT	PRI

Method

GC: #



Inst: VOA126

BFB: v7999

Initials: MJV/KJD

IS/SS: V8106

Autosampler: 8260_SOIL

Date: 11/11/20

ICAL: V8016, V8061-2F, V8062B

Concentrator: #

Run: A

QC: _____ Seq: _____

Vial	Data File	Sample	
1	V26201111BF1	BFB TUNE	
1	V26201111A01	8260 CCAL F+SUFF	
2	V26201111A02	8260 CCAL F+SUFF	
3	V26201111A03	8260 CCAL F+SUFF	
4	V26201111A04	METHOD BLK	
5	V26201111A05	MEOH BLK	
6	V26201111A06	I2049037-08,31,5.35,5,,b	NYHLW RSH
7	V26201111A07	I2049307-01R,31,5.37,5,,z	NY SUFFOLK
8	V26201111A08	I2049308-04R,31,5.48,5,,z	NY SUFFOLK
9	V26201111A09	BLNK	
10	V26201111A10	I2049308-04,31H,5.02,5,0.100,,x	NY/HIGH SUFFOLK
11	V26201111A11	BLNK	
12	V26201111A12	I2049385-02,31,5.20,5,,b	MLW
13	V26201111A13	I2049385-04,31,4.43,5,,b	MLW
14	V26201111A14	I2049385-06,31,4.40,5,,b	MLW
15	V26201111A15	BLANK	
16	V26201111A16	SAND BLANK	
17	V26201111A17	I2046880-08D,31,1.0,5,,a	NY SUFF PT
18	V26201111A18	I2046880-08,31,5.0,5,,a	NY SUFF PT
19	V26201111A19	TEST STD	
20	V26201111A20	BLANK	
21	V26201111A21	STD	

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results

Form 1

WETCHEM

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-01	Date Collected	: 11/06/20 07:45
Client ID	: SB-1A (0-2)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/07/20 12:17
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 121,2540G	Analyst	: RI
Lab File ID	: WG1431676.pdf	Instrument ID	: BALANCE#47
Sample Amount	:	%Solids	: 90
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.2	0.100	NA	

Form 1

WETCHEM

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-02	Date Collected	: 11/06/20 07:49
Client ID	: SB-1A (2-4)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/07/20 12:17
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 121,2540G	Analyst	: RI
Lab File ID	: WG1431676.pdf	Instrument ID	: BALANCE#47
Sample Amount	:	%Solids	: 98
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	97.6	0.100	NA	

Form 1

WETCHEM

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : L2049037-06
 Client ID : SB-4A (0-2)
 Sample Location : 13-12 BEACH CHANNEL DRIVE,
 QUEENS, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1431676.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2049037
 Project Number : 15209
 Date Collected : 11/06/20 08:30
 Date Received : 11/06/20
 Date Analyzed : 11/07/20 12:17
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#47
 %Solids : 89
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.5	0.100	NA	



Form 1

WETCHEM

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-07	Date Collected	: 11/06/20 08:37
Client ID	: SB-4A (2-4)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/07/20 12:17
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 121,2540G	Analyst	: RI
Lab File ID	: WG1431676.pdf	Instrument ID	: BALANCE#47
Sample Amount	:	%Solids	: 90
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.0	0.100	NA	

Form 1

WETCHEM

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-08	Date Collected	: 11/06/20 08:49
Client ID	: SB-4A (4-6)	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/10/20 19:41
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 121,2540G	Analyst	: TR
Lab File ID	: WG1432769.pdf	Instrument ID	: BALANCE#47
Sample Amount	:	%Solids	: 90
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.2	0.100	NA	

Form 1

WETCHEM

Client	: Impact Environmental	Lab Number	: L2049037
Project Name	: BEACH CHANNEL DRIVE	Project Number	: 15209
Lab ID	: L2049037-11	Date Collected	: 11/06/20 09:30
Client ID	: DRY WELL-1	Date Received	: 11/06/20
Sample Location	: 13-12 BEACH CHANNEL DRIVE, QUEENS, NY	Date Analyzed	: 11/07/20 12:17
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 121,2540G	Analyst	: RI
Lab File ID	: WG1431676.pdf	Instrument ID	: BALANCE#47
Sample Amount	:	%Solids	: 62
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	62.0	0.100	NA	

Form 1

WETCHEM

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1431676-1
 Client ID : WG1431676-1 DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1431676.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2049037
 Project Number : 15209
 Date Collected : 11/06/20 10:30
 Date Received : 11/06/20
 Date Analyzed : 11/07/20 12:17
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#47
 %Solids : 92
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	91.6	0.100	NA	



Form 1

WETCHEM

Client : Impact Environmental
 Project Name : BEACH CHANNEL DRIVE
 Lab ID : WG1432769-1
 Client ID : WG1432769-1 DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1432769.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2049037
 Project Number : 15209
 Date Collected : 11/10/20 12:00
 Date Received : 11/10/20
 Date Analyzed : 11/10/20 19:41
 Dilution Factor : 1
 Analyst : TR
 Instrument ID : BALANCE#47
 %Solids : 85
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.3	0.100	NA	



Sample Raw Data

WorkGroup	WG1431676	Temp In (C)	105	Temp In (C)		Temp In (C)		Temp In (C)	
Title	Solids, Total	Temp Out (C)	105	Temp Out (C)		Temp Out (C)		Temp Out (C)	
Method	SM2540G	Time In	07-NOV-20 12:26	Time In		Time In		Time In	
Instrument	BALANCE#47	Time Out	07-NOV-20 18:33	Time Out		Time Out		Time Out	

Sample #	Analysis Date	Analyst	Tare Weight (gm)	Gross Weight (gm)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Result %	Comment
L2048915-01	07-NOV-20 12:17	ROMANY IBRAHIM	1.15	8.16	7.62				92.30	
L2048964-02	07-NOV-20 12:17	ROMANY IBRAHIM	1.16	11.62	10.34				87.76	
L2049037-01	07-NOV-20 12:17	ROMANY IBRAHIM	1.17	6.8	6.25				90.23	
L2049037-02	07-NOV-20 12:17	ROMANY IBRAHIM	1.17	6.06	5.94				97.55	
L2049037-06	07-NOV-20 12:17	ROMANY IBRAHIM	1.15	6.47	5.86				88.53	
L2049037-07	07-NOV-20 12:17	ROMANY IBRAHIM	1.17	6.65	6.1				89.96	
L2049037-11	07-NOV-20 12:17	ROMANY IBRAHIM	1.17	5.65	3.95				62.05	
L2049049-01	07-NOV-20 12:17	ROMANY IBRAHIM	1.17	8.35	7.51				88.30	
L2049049-02	07-NOV-20 12:17	ROMANY IBRAHIM	1.17	8.89	8.14				90.28	
L2049049-03	07-NOV-20 12:17	ROMANY IBRAHIM	1.16	8	7.27				89.33	
L2049049-04	07-NOV-20 12:17	ROMANY IBRAHIM	1.16	9.31	8.51				90.18	
L2049049-05	07-NOV-20 12:17	ROMANY IBRAHIM	1.16	10.78	9.06				82.12	
L2049049-06	07-NOV-20 12:17	ROMANY IBRAHIM	1.16	9.81	9.07				91.45	
L2049150-01	07-NOV-20 12:17	ROMANY IBRAHIM	1.16	7.63	6.06				75.73	
L2049150-02	07-NOV-20 12:17	ROMANY IBRAHIM	1.15	8.73	7.62				85.36	
L2049150-03	07-NOV-20 12:17	ROMANY IBRAHIM	1.17	9.11	7.9				84.76	
L2049150-04	07-NOV-20 12:17	ROMANY IBRAHIM	1.17	7.05	5.37				71.43	
WG1431676-1	07-NOV-20 12:17	ROMANY IBRAHIM	1.17	8.16	7.57				91.56	

WorkGroup WG1432769		Temp In (C) 105	Temp In (C)		Temp In (C)		Temp In (C)		Temp In (C)	
Title Solids, Total		Temp Out (C) 105	Temp Out (C)		Temp Out (C)		Temp Out (C)		Temp Out (C)	
Method SM2540G		Time In 10-NOV-20 19:47	Time In		Time In		Time In		Time In	
Instrument BALANCE#47		Time Out 11-NOV-20 05:57	Time Out		Time Out		Time Out		Time Out	
Sample #	Analysis Date	Analyst	Tare Weight (gm)	Gross Weight (gm)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Result %	Comment
L2049037-08	10-NOV-20 19:41	TRISTAN RIGGS	1.17	6.8	6.25				90.23	
L2049555-01	10-NOV-20 19:41	TRISTAN RIGGS	1.17	8.33	7.25				84.92	
L2049568-01	10-NOV-20 19:41	TRISTAN RIGGS	1.16	10.28	8.62				81.80	
L2049568-02	10-NOV-20 19:41	TRISTAN RIGGS	1.15	6.49	5.54				82.21	
L2049568-03	10-NOV-20 19:41	TRISTAN RIGGS	1.15	6.75	5.79				82.86	
WG1432769-1	10-NOV-20 19:41	TRISTAN RIGGS	1.16	10.69	9.29				85.31	

Quality Control

Form 6 Lab Duplicates

Client : Impact Environmental
Project Name : BEACH CHANNEL DRIVE
Client Sample ID : NA
Lab Sample ID : NA
Dup Sample ID : WG1431676-1

Lab Number : L2049037
Project Number : 15209
Matrix : SOIL
Analysis Date : 11/07/20 12:17
DUP Analysis Date : 11/07/20 12:17

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	92.3	91.6	1	20

Form 6 Lab Duplicates

Client : Impact Environmental
Project Name : BEACH CHANNEL DRIVE
Client Sample ID : NA
Lab Sample ID : NA
Dup Sample ID : WG1432769-1

Lab Number : L2049037
Project Number : 15209
Matrix : SOIL
Analysis Date : 11/10/20 19:41
DUP Analysis Date : 11/10/20 19:41

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	84.9	85.3	0	20