284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Cover Page

**Order ID :** P5317

**Project ID :** NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

**Client :** AECOM Technical Services, Inc.

| Lab Sample Number | Client Sample Number |
|---|---|
| P5317-01 | RE114D2-20241216 |
| P5317-02 | RW4-20241216 |
| P5317-03 | TT191D1-20241216 |
| P5317-04 | TT191D2-20241216 |
| P5317-05 | TT163S1-20241216 |
| P5317-06 | DUP-04-20241216 |
| P5317-07 | RW8-MW01S-20241216 |
| P5317-08 | RW8-MW01D1-20241216 |
| P5317-09 | TT158S1-20241217 |
| P5317-10 | TT158I1-20241217 |
| P5317-11 | DUP-05-20241217 |
| P5317-12 | TT172S1-20241217 |
| P5317-13 | RW9-MW01S-20241217 |
| P5317-14 | RW9-MW01D1-20241217 |
| P5317-15 | RW9-MW01D2-20241217 |
| P5317-16 | RW9-MW01D3-20241217 |
| P5317-17 | DUP-06-20241217 |
| P5317-18 | RE132D5-20241217 |
| P5317-19 | RE132D5-20241217MS |
| P5317-20 | RE132D5-20241217MSD |
| P5317-21 | RE132D6-20241217 |
| P5317-22 | RE132D7-20241217 |
| P5317-23 | TB |
| P5317-24 | RW8-MW01D2-20241217 |
| P5317-25 | RW8-MW01D3-20241217 |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 12/31/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**AECOM Technical Services, Inc.**
**Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258**
**Project # N/A**
**Chemtech Project # P5317**
**Test Name: VOCMS Group1**

**A. Number of Samples and Date of Receipt:**
25 Water samples were received on 12/17/2024.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group1 was based on method 8260D.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82X121124W.M) for t-1,3-Dichloropropene, Dibromochloromethane, Bromoform these compounds are passing on Quadratic Regression.

The Continuous Calibration File ID VX044397.D met the requirements except for Chloroethane is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VX044438.D met the requirements except for Methylcyclohexane is failing high but no positive hit in associate sample therefore no corrective action taken.

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The Continuous Calibration File ID VX044466.D met the requirements except for Tetrachloroethene failing marginally high and Methylcyclohexane is failing high but no positive hit in associate sample therefore no corrective action taken.
The Tuning criteria met requirements.

Samples RE132D7-20241217 was diluted due to samples past history of high concentration of Trichloroethene.

Samples RW4-20241216, RE132D5-20241217 were diluted due to high concentrations.

**E. Additional Comments:**
The not QT review data is reported in the Miscellaneous.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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# DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

# ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

## GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5317 MATRIX: Water

METHOD: 8260D

| | | NA | NO | YES |
|---|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks) | | | ✓ |
| 2. | GC/MS Tuning Specifications<br>BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ) | | | ✓ |
| 3. | GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series. | | | ✓ |
| 4. | GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series. | | | ✓ |
| 5. | GC/MS Calibration Requirements.<br>The %RSD is greater than 20% in the Initial Calibration method (82X121124W.M) for t-1,3-Dichloropropene, Dibromochloromethane, Bromoform these compounds are passing on Quadratic Regression.<br><br>The Continuous Calibration File ID VX044397.D met the requirements except for Chloroethane is failing high but no positive hit in associate sample therefore no corrective action taken.<br><br>The Continuous Calibration File ID VX044438.D met the requirements except for Methylcyclohexane is failing high but no positive hit in associate sample therefore no corrective action taken.<br><br>The Continuous Calibration File ID VX044466.D met the requirements except for Tetrachloroethene failing marginally high and Methylcyclohexane is failing high but no positive hit in associate sample therefore no corrective action taken. | | | ✓ |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges.<br><br>The Surrogate recoveries met the acceptable criteria. | | ✓ | |
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | ✓ |

## GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

| | | NA | NO | YES |
|---|---|---|---|---|
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria | | | ✓ |
| | Comments: | | | |
| 10. | Analysis Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |

ADDITIONAL COMMENTS:
Samples RE132D7-20241217 was diluted due to samples past history of high concentration of Trichloroethene.
Samples RW4-20241216, RE132D5-20241217 were diluted due to high concentrations.

The not QT review data is reported in the Miscellaneous.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____
QA REVIEW Date

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** **P5317**

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**QA Review Signature:** **SOHIL JODHANI** **Date:** **12/31/2024**

Alliance TECHNICAL GROUP

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P5317 | **OrderDate:** | 12/17/2024 3:48:00 PM |
| **Client:** | AECOM Technical Services, Inc. | **Project:** | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 |
| **Contact:** | Eleanor Vivadou | **Location:** | L41,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P5317-01** | **RE114D2-20241216** | **Water** | | | **12/16/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/19/24 | |
| **P5317-02** | **RW4-20241216** | **Water** | | | **12/16/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/19/24 | |
| **P5317-02DL** | **RW4-20241216DL** | **Water** | | | **12/16/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/20/24 | |
| **P5317-03** | **TT191D1-20241216** | **Water** | | | **12/16/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/20/24 | |
| **P5317-04** | **TT191D2-20241216** | **Water** | | | **12/16/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/19/24 | |
| **P5317-05** | **TT163S1-20241216** | **Water** | | | **12/16/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/19/24 | |
| **P5317-06** | **DUP-04-20241216** | **Water** | | | **12/16/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/23/24 | |
| **P5317-07** | **RW8-MW01S-20241216** | **Water** | | | **12/16/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/19/24 | |
| **P5317-08** | **RW8-MW01D1-20241216** | **Water** | | | **12/16/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/19/24 | |
| **P5317-09** | **TT158S1-20241217** | **Water** | | | **12/17/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/19/24 | |
| **P5317-10** | **TT158I1-20241217** | **Water** | | | **12/17/24** | | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | | 12/19/24 | |

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# LAB CHRONICLE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **P5317-11** | **DUP-05-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/23/24 | |
| **P5317-12** | **TT172S1-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/19/24 | |
| **P5317-13** | **RW9-MW01S-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/19/24 | |
| **P5317-14** | **RW9-MW01D1-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/19/24 | |
| **P5317-15** | **RW9-MW01D2-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/19/24 | |
| **P5317-16** | **RW9-MW01D3-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/19/24 | |
| **P5317-17** | **DUP-06-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/23/24 | |
| **P5317-18** | **RE132D5-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/19/24 | |
| **P5317-18DL** | **RE132D5-20241217DL** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/30/24 | |
| **P5317-21** | **RE132D6-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/23/24 | |
| **P5317-22** | **RE132D7-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/23/24 | |
| **P5317-23** | **TB** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/19/24 | |
| **P5317-24** | **RW8-MW01D2-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |

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# LAB CHRONICLE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | VOCMS Group1 | 8260-Low | | 12/23/24 | |
| **P5317-25** | **RW8-MW01D3-20241217** | **Water** | | | **12/17/24** | | **12/17/24** |
| | | | VOCMS Group1 | 8260-Low | | 12/23/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **RE114D2-20241216** | | | | | | | | |
| P5317-01 | RE114D2-2024121( | Water | Dichlorodifluoromethane | 0.62 | J | 0.21 | 0.50 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | 1,1,2-Trichlorotrifluoroethane | 14.1 | | 0.25 | 0.50 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | 1,1-Dichloroethene | 0.90 | J | 0.26 | 0.75 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | Acetone | 1.70 | J | 1.40 | 3.80 | 5.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | 1,1-Dichloroethane | 0.62 | J | 0.23 | 0.50 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | Carbon Tetrachloride | 0.65 | J | 0.25 | 0.50 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | cis-1,2-Dichloroethene | 1.90 | | 0.25 | 0.75 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | Chloroform | 0.57 | J | 0.26 | 0.50 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | Trichloroethene | 110 | | 0.32 | 0.75 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | Toluene | 0.29 | J | 0.18 | 0.50 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | 1,1,2-Trichloroethane | 0.42 | J | 0.21 | 0.50 | 1.00 | ug/L |
| P5317-01 | RE114D2-2024121( | Water | m/p-Xylenes | 0.48 | J | 0.31 | 1.00 | 2.00 | ug/L |
| | | | **Total Voc :** | 132 | | | | | |
| | | | **Total Concentration:** | 132 | | | | | |
| **Client ID:** | **RW4-20241216** | | | | | | | | |
| P5317-02 | RW4-20241216 | Water | 1,1,2-Trichlorotrifluoroethane | 10.3 | | 0.25 | 0.50 | 1.00 | ug/L |
| P5317-02 | RW4-20241216 | Water | 1,1-Dichloroethene | 1.10 | | 0.26 | 0.75 | 1.00 | ug/L |
| P5317-02 | RW4-20241216 | Water | Acetone | 2.30 | J | 1.40 | 3.80 | 5.00 | ug/L |
| P5317-02 | RW4-20241216 | Water | Methylene Chloride | 0.55 | J | 0.32 | 0.50 | 1.00 | ug/L |
| P5317-02 | RW4-20241216 | Water | cis-1,2-Dichloroethene | 1.20 | | 0.25 | 0.75 | 1.00 | ug/L |
| P5317-02 | RW4-20241216 | Water | Chloroform | 0.34 | J | 0.26 | 0.50 | 1.00 | ug/L |
| P5317-02 | RW4-20241216 | Water | Trichloroethene | 510 | E | 0.32 | 0.75 | 1.00 | ug/L |
| P5317-02 | RW4-20241216 | Water | 1,1,2-Trichloroethane | 0.34 | J | 0.21 | 0.50 | 1.00 | ug/L |
| P5317-02 | RW4-20241216 | Water | Tetrachloroethene | 6.80 | | 0.25 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 533 | | | | | |
| | | | **Total Concentration:** | 533 | | | | | |
| **Client ID:** | **RW4-20241216DL** | | | | | | | | |
| P5317-02DL | RW4-20241216DL | Water | 1,1,2-Trichlorotrifluoroethane | 11.9 | JD | 5.00 | 10.0 | 20.0 | ug/L |
| P5317-02DL | RW4-20241216DL | Water | Trichloroethene | 580 | D | 6.40 | 15.0 | 20.0 | ug/L |
| P5317-02DL | RW4-20241216DL | Water | Tetrachloroethene | 9.60 | JD | 5.00 | 10.0 | 20.0 | ug/L |
| | | | **Total Voc :** | 602 | | | | | |
| | | | **Total Concentration:** | 602 | | | | | |
| **Client ID:** | **TT191D1-20241216** | | | | | | | | |
| P5317-03 | TT191D1-2024121( | Water | Dichlorodifluoromethane | 0.81 | J | 0.21 | 0.50 | 1.00 | ug/L |
| P5317-03 | TT191D1-2024121( | Water | Chloromethane | 0.35 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P5317-03 | TT191D1-2024121( | Water | 1,1,2-Trichlorotrifluoroethane | 2.10 | | 0.25 | 0.50 | 1.00 | ug/L |
| P5317-03 | TT191D1-2024121( | Water | 1,1-Dichloroethene | 0.71 | J | 0.26 | 0.75 | 1.00 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| P5317-03 | TT191D1-2024121( | Water | Methylene Chloride | 0.36 | J | 0.32 | 0.50 | 1.00 | ug/L |
| P5317-03 | TT191D1-2024121( | Water | Chloroform | 0.63 | J | 0.26 | 0.50 | 1.00 | ug/L |
| P5317-03 | TT191D1-2024121( | Water | Trichloroethene | 11.0 | | 0.32 | 0.75 | 1.00 | ug/L |
| | | | **Total Voc :** | 16.0 | | | | | |
| | | | **Total Concentration:** | 16.0 | | | | | |
| **Client ID:** | **TT191D2-20241216** | | | | | | | | |
| P5317-04 | TT191D2-2024121( | Water | Chloromethane | 0.77 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P5317-04 | TT191D2-2024121( | Water | 1,1,2-Trichlorotrifluoroethane | 4.80 | | 0.25 | 0.50 | 1.00 | ug/L |
| P5317-04 | TT191D2-2024121( | Water | 1,1-Dichloroethene | 1.50 | | 0.26 | 0.75 | 1.00 | ug/L |
| P5317-04 | TT191D2-2024121( | Water | Acetone | 1.50 | J | 1.40 | 3.80 | 5.00 | ug/L |
| P5317-04 | TT191D2-2024121( | Water | Methylene Chloride | 0.40 | J | 0.32 | 0.50 | 1.00 | ug/L |
| P5317-04 | TT191D2-2024121( | Water | Carbon Tetrachloride | 0.61 | J | 0.25 | 0.50 | 1.00 | ug/L |
| P5317-04 | TT191D2-2024121( | Water | cis-1,2-Dichloroethene | 0.72 | J | 0.25 | 0.75 | 1.00 | ug/L |
| P5317-04 | TT191D2-2024121( | Water | Chloroform | 0.46 | J | 0.26 | 0.50 | 1.00 | ug/L |
| P5317-04 | TT191D2-2024121( | Water | Trichloroethene | 96.3 | | 0.32 | 0.75 | 1.00 | ug/L |
| P5317-04 | TT191D2-2024121( | Water | 1,1,2-Trichloroethane | 0.34 | J | 0.21 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 107 | | | | | |
| | | | **Total Concentration:** | 107 | | | | | |
| **Client ID:** | **TT163S1-20241216** | | | | | | | | |
| P5317-05 | TT163S1-20241216 | Water | Acetone | 1.40 | J | 1.40 | 3.80 | 5.00 | ug/L |
| P5317-05 | TT163S1-20241216 | Water | Methylene Chloride | 0.35 | J | 0.32 | 0.50 | 1.00 | ug/L |
| P5317-05 | TT163S1-20241216 | Water | Trichloroethene | 1.00 | | 0.32 | 0.75 | 1.00 | ug/L |
| | | | **Total Voc :** | 2.75 | | | | | |
| | | | **Total Concentration:** | 2.75 | | | | | |
| **Client ID:** | **DUP-04-20241216** | | | | | | | | |
| P5317-06 | DUP-04-20241216 | Water | Dichlorodifluoromethane | 0.69 | J | 0.21 | 0.50 | 1.00 | ug/L |
| P5317-06 | DUP-04-20241216 | Water | Chloromethane | 0.52 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P5317-06 | DUP-04-20241216 | Water | 1,1,2-Trichlorotrifluoroethane | 1.70 | | 0.25 | 0.50 | 1.00 | ug/L |
| P5317-06 | DUP-04-20241216 | Water | 1,1-Dichloroethene | 0.64 | J | 0.26 | 0.75 | 1.00 | ug/L |
| P5317-06 | DUP-04-20241216 | Water | cis-1,2-Dichloroethene | 0.30 | J | 0.25 | 0.75 | 1.00 | ug/L |
| P5317-06 | DUP-04-20241216 | Water | Chloroform | 0.43 | J | 0.26 | 0.50 | 1.00 | ug/L |
| P5317-06 | DUP-04-20241216 | Water | Trichloroethene | 9.70 | | 0.32 | 0.75 | 1.00 | ug/L |
| | | | **Total Voc :** | 14.0 | | | | | |
| | | | **Total Concentration:** | 14.0 | | | | | |
| **Client ID:** | **RW8-MW01S-20241216** | | | | | | | | |
| P5317-07 | RW8-MW01S-2024 | Water | Chloromethane | 0.62 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P5317-07 | RW8-MW01S-2024 | Water | Acetone | 1.60 | J | 1.40 | 3.80 | 5.00 | ug/L |
| P5317-07 | RW8-MW01S-2024 | Water | Methylene Chloride | 0.35 | J | 0.32 | 0.50 | 1.00 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| P5317-07 | RW8-MW01S-2024 | Water | Trichloroethene | 0.62 | J | 0.32 | 0.75 | 1.00 | ug/L |
| | | | **Total Voc :** | 3.19 | | | | | |
| | | | **Total Concentration:** | 3.19 | | | | | |
| **Client ID:** | **RW8-MW01D1-20241216** | | | | | | | | |
| P5317-08 | RW8-MW01D1-20 | Water | Trichloroethene | 0.34 | J | 0.32 | 0.75 | 1.00 | ug/L |
| | | | **Total Voc :** | 0.34 | | | | | |
| | | | **Total Concentration:** | 0.34 | | | | | |
| **Client ID:** | **TT158S1-20241217** | | | | | | | | |
| P5317-09 | TT158S1-20241217 | Water | Methylene Chloride | 0.32 | J | 0.32 | 0.50 | 1.00 | ug/L |
| P5317-09 | TT158S1-20241217 | Water | 1,1-Dichloroethane | 1.80 | | 0.23 | 0.50 | 1.00 | ug/L |
| P5317-09 | TT158S1-20241217 | Water | Trichloroethene | 0.32 | J | 0.32 | 0.75 | 1.00 | ug/L |
| | | | **Total Voc :** | 2.44 | | | | | |
| | | | **Total Concentration:** | 2.44 | | | | | |
| **Client ID:** | **TT158I1-20241217** | | | | | | | | |
| P5317-10 | TT158I1-20241217 | Water | Methylene Chloride | 0.34 | J | 0.32 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 0.34 | | | | | |
| | | | **Total Concentration:** | 0.34 | | | | | |
| **Client ID:** | **DUP-05-20241217** | | | | | | | | |
| P5317-11 | DUP-05-20241217 | Water | 1,1-Dichloroethane | 1.20 | | 0.23 | 0.50 | 1.00 | ug/L |
| P5317-11 | DUP-05-20241217 | Water | Trichloroethene | 0.32 | J | 0.32 | 0.75 | 1.00 | ug/L |
| | | | **Total Voc :** | 1.52 | | | | | |
| | | | **Total Concentration:** | 1.52 | | | | | |
| **Client ID:** | **TT172S1-20241217** | | | | | | | | |
| P5317-12 | TT172S1-20241217 | Water | 1,1,2-Trichlorotrifluoroethane | 1.30 | | 0.25 | 0.50 | 1.00 | ug/L |
| P5317-12 | TT172S1-20241217 | Water | Acetone | 1.50 | J | 1.40 | 3.80 | 5.00 | ug/L |
| P5317-12 | TT172S1-20241217 | Water | Trichloroethene | 39.5 | | 0.32 | 0.75 | 1.00 | ug/L |
| P5317-12 | TT172S1-20241217 | Water | Tetrachloroethene | 1.90 | | 0.25 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 44.2 | | | | | |
| | | | **Total Concentration:** | 44.2 | | | | | |
| **Client ID:** | **RW9-MW01S-20241217** | | | | | | | | |
| P5317-13 | RW9-MW01S-2024 | Water | Chloromethane | 0.81 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P5317-13 | RW9-MW01S-2024 | Water | Acetone | 1.60 | J | 1.40 | 3.80 | 5.00 | ug/L |
| P5317-13 | RW9-MW01S-2024 | Water | Trichloroethene | 0.32 | J | 0.32 | 0.75 | 1.00 | ug/L |
| | | | **Total Voc :** | 2.73 | | | | | |
| | | | **Total Concentration:** | 2.73 | | | | | |
| **Client ID:** | **RE132D5-20241217** | | | | | | | | |
| P5317-18 | RE132D5-2024121 | Water | Dichlorodifluoromethane | 1.20 | | 0.21 | 0.50 | 1.00 | ug/L |
| P5317-18 | RE132D5-2024121 | Water | Chloromethane | 0.70 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P5317-18 | RE132D5-2024121 | Water | 1,1,2-Trichlorotrifluoroethane | 9.40 | | 0.25 | 0.50 | 1.00 | ug/L |
| P5317-18 | RE132D5-2024121 | Water | 1,1-Dichloroethene | 2.60 | | 0.26 | 0.75 | 1.00 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| P5317-18 | RE132D5-2024121[illegible] | Water | Acetone | 1.40 | J | 1.40 | 3.80 | 5.00 | ug/L |
| P5317-18 | RE132D5-2024121[illegible] | Water | cis-1,2-Dichloroethene | 1.60 | | 0.25 | 0.75 | 1.00 | ug/L |
| P5317-18 | RE132D5-2024121[illegible] | Water | Chloroform | 1.20 | | 0.26 | 0.50 | 1.00 | ug/L |
| P5317-18 | RE132D5-2024121[illegible] | Water | Trichloroethene | 150 | E | 0.32 | 0.75 | 1.00 | ug/L |
| P5317-18 | RE132D5-2024121[illegible] | Water | 1,1,2-Trichloroethane | 0.45 | J | 0.21 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 169 | | | | | |
| | | | **Total Concentration:** | 169 | | | | | |
| **Client ID:** | **RE132D5-20241217DL** | | | | | | | | |
| P5317-18DL | RE132D5-2024121[illegible] | Water | 1,1,2-Trichlorotrifluoroethane | 7.90 | D | 1.00 | 2.00 | 4.00 | ug/L |
| P5317-18DL | RE132D5-2024121[illegible] | Water | 1,1-Dichloroethene | 2.90 | JD | 1.00 | 3.00 | 4.00 | ug/L |
| P5317-18DL | RE132D5-2024121[illegible] | Water | cis-1,2-Dichloroethene | 1.70 | JD | 1.00 | 3.00 | 4.00 | ug/L |
| P5317-18DL | RE132D5-2024121[illegible] | Water | Chloroform | 1.50 | JD | 1.00 | 2.00 | 4.00 | ug/L |
| P5317-18DL | RE132D5-2024121[illegible] | Water | Trichloroethene | 150 | D | 1.30 | 3.00 | 4.00 | ug/L |
| | | | **Total Voc :** | 164 | | | | | |
| | | | **Total Concentration:** | 164 | | | | | |
| **Client ID:** | **RE132D6-20241217** | | | | | | | | |
| P5317-21 | RE132D6-2024121[illegible] | Water | 1,1,2-Trichlorotrifluoroethane | 26.6 | J | 10.0 | 20.0 | 40.0 | ug/L |
| P5317-21 | RE132D6-2024121[illegible] | Water | 1,1-Dichloroethene | 15.5 | J | 10.4 | 30.0 | 40.0 | ug/L |
| P5317-21 | RE132D6-2024121[illegible] | Water | Carbon Disulfide | 16.8 | J | 12.8 | 30.0 | 40.0 | ug/L |
| P5317-21 | RE132D6-2024121[illegible] | Water | Trichloroethene | 1600 | | 12.8 | 30.0 | 40.0 | ug/L |
| P5317-21 | RE132D6-2024121[illegible] | Water | Tetrachloroethene | 11.6 | J | 10.0 | 20.0 | 40.0 | ug/L |
| P5317-21 | RE132D6-2024121[illegible] | Water | 1,4-Dichlorobenzene | 13.2 | J | 10.8 | 20.0 | 40.0 | ug/L |
| | | | **Total Voc :** | 1680 | | | | | |
| | | | **Total Concentration:** | 1680 | | | | | |
| **Client ID:** | **RE132D7-20241217** | | | | | | | | |
| P5317-22 | RE132D7-2024121[illegible] | Water | 1,1,2-Trichlorotrifluoroethane | 17.4 | J | 10.0 | 20.0 | 40.0 | ug/L |
| P5317-22 | RE132D7-2024121[illegible] | Water | Trichloroethene | 1100 | | 12.8 | 30.0 | 40.0 | ug/L |
| | | | **Total Voc :** | 1120 | | | | | |
| | | | **Total Concentration:** | 1120 | | | | | |
| **Client ID:** | **TB** | | | | | | | | |
| P5317-23 | TB | Water | Chloromethane | 0.37 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P5317-23 | TB | Water | Methylene Chloride | 0.32 | J | 0.32 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 0.69 | | | | | |
| | | | **Total Concentration:** | 0.69 | | | | | |

# QC
# SUMMARY

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# Surrogate Summary

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| P5317-01 | RE114D2-20241216 | 1,2-Dichloroethane-d4 | 50 | 44.7 | 89 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.9 | 96 | 80 | 119 |
| | | Toluene-d8 | 50 | 53.1 | 106 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.7 | 97 | 85 | 114 |
| P5317-02 | RW4-20241216 | 1,2-Dichloroethane-d4 | 50 | 46.4 | 93 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.6 | 95 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.2 | 102 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 46.5 | 93 | 85 | 114 |
| P5317-02DL | RW4-20241216DL | 1,2-Dichloroethane-d4 | 50 | 42.7 | 85 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.4 | 95 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.5 | 101 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 47.8 | 96 | 85 | 114 |
| P5317-03 | TT191D1-20241216 | 1,2-Dichloroethane-d4 | 50 | 42.4 | 85 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.2 | 94 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.5 | 101 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 45.9 | 92 | 85 | 114 |
| P5317-04 | TT191D2-20241216 | 1,2-Dichloroethane-d4 | 50 | 44.5 | 89 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.4 | 95 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.5 | 103 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.0 | 96 | 85 | 114 |
| P5317-05 | TT163S1-20241216 | 1,2-Dichloroethane-d4 | 50 | 45.0 | 90 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.1 | 96 | 80 | 119 |
| | | Toluene-d8 | 50 | 52.9 | 106 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 46.8 | 94 | 85 | 114 |
| P5317-06 | DUP-04-20241216 | 1,2-Dichloroethane-d4 | 50 | 42.8 | 86 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.7 | 97 | 80 | 119 |
| | | Toluene-d8 | 50 | 52.6 | 105 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.4 | 97 | 85 | 114 |
| P5317-07 | RW8-MW01S-20241216 | 1,2-Dichloroethane-d4 | 50 | 45.5 | 91 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.9 | 94 | 80 | 119 |
| | | Toluene-d8 | 50 | 52.0 | 104 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 46.3 | 93 | 85 | 114 |
| P5317-08 | RW8-MW01D1-20241216 | 1,2-Dichloroethane-d4 | 50 | 45.0 | 90 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.3 | 93 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.2 | 102 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 45.9 | 92 | 85 | 114 |
| P5317-09 | TT158S1-20241217 | 1,2-Dichloroethane-d4 | 50 | 45.4 | 91 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.3 | 95 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.6 | 103 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 44.6 | 89 | 85 | 114 |
| P5317-10 | TT158I1-20241217 | 1,2-Dichloroethane-d4 | 50 | 44.2 | 88 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.8 | 95 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.1 | 102 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 45.6 | 91 | 85 | 114 |
| P5317-11 | DUP-05-20241217 | 1,2-Dichloroethane-d4 | 50 | 44.9 | 90 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.6 | 99 | 80 | 119 |
| | | Toluene-d8 | 50 | 55.6 | 111 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 53.1 | 106 | 85 | 114 |
| P5317-12 | TT172S1-20241217 | 1,2-Dichloroethane-d4 | 50 | 45.5 | 91 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.9 | 96 | 80 | 119 |

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# Surrogate Summary

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| P5317-12 | TT172S1-20241217 | Toluene-d8 | 50 | 52.6 | 105 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 47.8 | 96 | 85 | 114 |
| P5317-13 | RW9-MW01S-20241217 | 1,2-Dichloroethane-d4 | 50 | 46.3 | 93 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.9 | 94 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.4 | 103 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 47.9 | 96 | 85 | 114 |
| P5317-14 | RW9-MW01D1-20241217 | 1,2-Dichloroethane-d4 | 50 | 46.1 | 92 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.3 | 95 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.7 | 103 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 46.3 | 93 | 85 | 114 |
| P5317-15 | RW9-MW01D2-20241217 | 1,2-Dichloroethane-d4 | 50 | 45.7 | 91 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.0 | 96 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.0 | 102 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 45.0 | 90 | 85 | 114 |
| P5317-16 | RW9-MW01D3-20241217 | 1,2-Dichloroethane-d4 | 50 | 45.4 | 91 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.5 | 95 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.6 | 103 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 44.8 | 90 | 85 | 114 |
| P5317-17 | DUP-06-20241217 | 1,2-Dichloroethane-d4 | 50 | 44.3 | 89 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 50.2 | 100 | 80 | 119 |
| | | Toluene-d8 | 50 | 54.4 | 109 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.2 | 100 | 85 | 114 |
| P5317-18 | RE132D5-20241217 | 1,2-Dichloroethane-d4 | 50 | 45.4 | 91 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.4 | 97 | 80 | 119 |
| | | Toluene-d8 | 50 | 52.1 | 104 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.4 | 97 | 85 | 114 |
| P5317-18DL | RE132D5-20241217DL | 1,2-Dichloroethane-d4 | 50 | 44.3 | 89 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 52.3 | 105 | 80 | 119 |
| | | Toluene-d8 | 50 | 55.1 | 110 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.4 | 103 | 85 | 114 |
| P5317-19MS | RE132D5-20241217MS | 1,2-Dichloroethane-d4 | 50 | 50.1 | 100 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 54.5 | 109 | 80 | 119 |
| | | Toluene-d8 | 50 | 55.2 | 110 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 54.8 | 110 | 85 | 114 |
| P5317-20MSD | RE132D5-20241217MSD | 1,2-Dichloroethane-d4 | 50 | 49.1 | 98 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 52.6 | 105 | 80 | 119 |
| | | Toluene-d8 | 50 | 52.5 | 105 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 53.4 | 107 | 85 | 114 |
| P5317-21 | RE132D6-20241217 | 1,2-Dichloroethane-d4 | 50 | 41.4 | 83 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.8 | 96 | 80 | 119 |
| | | Toluene-d8 | 50 | 53.3 | 107 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.2 | 100 | 85 | 114 |
| P5317-22 | RE132D7-20241217 | 1,2-Dichloroethane-d4 | 50 | 42.0 | 84 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 50.2 | 100 | 80 | 119 |
| | | Toluene-d8 | 50 | 53.0 | 106 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.7 | 103 | 85 | 114 |
| P5317-23 | TB | 1,2-Dichloroethane-d4 | 50 | 44.5 | 89 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.5 | 93 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.5 | 103 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 46.2 | 92 | 85 | 114 |

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# Surrogate Summary

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| P5317-24 | RW8-MW01D2-20241217 | 1,2-Dichloroethane-d4 | 50 | 43.5 | 87 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.9 | 100 | 80 | 119 |
| | | Toluene-d8 | 50 | 54.4 | 109 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.5 | 103 | 85 | 114 |
| P5317-25 | RW8-MW01D3-20241217 | 1,2-Dichloroethane-d4 | 50 | 43.5 | 87 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.2 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 54.8 | 110 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.8 | 102 | 85 | 114 |
| VX1218WBL02 | VX1218WBL02 | 1,2-Dichloroethane-d4 | 50 | 43.6 | 87 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.3 | 97 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.9 | 104 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.2 | 96 | 85 | 114 |
| VX1218WBS02 | VX1218WBS02 | 1,2-Dichloroethane-d4 | 50 | 50.5 | 101 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 52.7 | 105 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.9 | 102 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.5 | 97 | 85 | 114 |
| VX1220WBL01 | VX1220WBL01 | 1,2-Dichloroethane-d4 | 50 | 44.1 | 88 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.5 | 95 | 80 | 119 |
| | | Toluene-d8 | 50 | 52.0 | 104 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.4 | 97 | 85 | 114 |
| VX1220WBS01 | VX1220WBS01 | 1,2-Dichloroethane-d4 | 50 | 42.7 | 85 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.5 | 97 | 80 | 119 |
| | | Toluene-d8 | 50 | 48.7 | 97 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 46.4 | 93 | 85 | 114 |
| VX1223WBL01 | VX1223WBL01 | 1,2-Dichloroethane-d4 | 50 | 41.8 | 84 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.7 | 93 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.2 | 102 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 45.8 | 92 | 85 | 114 |
| VX1223WBS03 | VX1223WBS03 | 1,2-Dichloroethane-d4 | 50 | 43.7 | 87 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 52.0 | 104 | 80 | 119 |
| | | Toluene-d8 | 50 | 52.4 | 105 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 52.0 | 104 | 85 | 114 |
| VX1231WBL01 | VX1231WBL01 | 1,2-Dichloroethane-d4 | 50 | 45.7 | 91 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 51.4 | 103 | 80 | 119 |
| | | Toluene-d8 | 50 | 55.1 | 110 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.8 | 102 | 85 | 114 |
| VX1231WBS01 | VX1231WBS01 | 1,2-Dichloroethane-d4 | 50 | 42.4 | 85 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 51.1 | 102 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.7 | 101 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.1 | 100 | 85 | 114 |

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# Matrix Spike/Matrix Spike Duplicate Summary

## SW-846

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID : P5317-19MS** | | **Client Sample ID : RE132D5-20241217MS** | | | | | | **Datafile :** VX044417.D | | | |
| Dichlorodifluoromethane | 50 | 1.20 | 54.6 | ug/L | 107 | | | | 32 | 152 | |
| Chloromethane | 50 | 0.70 | 56.4 | ug/L | 111 | | | | 50 | 139 | |
| Vinyl chloride | 50 | 0 | 54.0 | ug/L | 108 | | | | 58 | 137 | |
| Bromomethane | 50 | 0 | 50.1 | ug/L | 100 | | | | 53 | 141 | |
| Chloroethane | 50 | 0 | 55.8 | ug/L | 112 | | | | 60 | 138 | |
| Trichlorofluoromethane | 50 | 0 | 44.0 | ug/L | 88 | | | | 65 | 141 | |
| 1,1,2-Trichlorotrifluoroethane | 50 | 9.40 | 58.1 | ug/L | 97 | | | | 70 | 136 | |
| 1,1-Dichloroethene | 50 | 2.60 | 56.9 | ug/L | 109 | | | | 71 | 131 | |
| Acetone | 250 | 1.40 | 230 | ug/L | 91 | | | | 39 | 160 | |
| Carbon disulfide | 50 | 0 | 52.7 | ug/L | 105 | | | | 64 | 133 | |
| Methyl tert-butyl Ether | 50 | 0 | 49.7 | ug/L | 99 | | | | 71 | 124 | |
| Methyl Acetate | 50 | 0 | 42.6 | ug/L | 85 | | | | 56 | 136 | |
| Methylene Chloride | 50 | 0 | 53.3 | ug/L | 107 | | | | 74 | 124 | |
| trans-1,2-Dichloroethene | 50 | 0 | 53.6 | ug/L | 107 | | | | 75 | 124 | |
| 1,1-Dichloroethane | 50 | 0 | 53.4 | ug/L | 107 | | | | 77 | 125 | |
| Cyclohexane | 50 | 0 | 51.2 | ug/L | 102 | | | | 71 | 130 | |
| 2-Butanone | 250 | 0 | 250 | ug/L | 100 | | | | 56 | 143 | |
| Carbon Tetrachloride | 50 | 0 | 51.8 | ug/L | 104 | | | | 72 | 136 | |
| cis-1,2-Dichloroethene | 50 | 1.60 | 52.6 | ug/L | 102 | | | | 78 | 123 | |
| Bromochloromethane | 50 | 0 | 50.6 | ug/L | 101 | | | | 78 | 123 | |
| Chloroform | 50 | 1.20 | 51.3 | ug/L | 100 | | | | 79 | 124 | |
| 1,1,1-Trichloroethane | 50 | 0 | 51.2 | ug/L | 102 | | | | 74 | 131 | |
| Methylcyclohexane | 50 | 0 | 52.6 | ug/L | 105 | | | | 72 | 132 | |
| Benzene | 50 | 0 | 55.3 | ug/L | 111 | | | | 79 | 120 | |
| 1,2-Dichloroethane | 50 | 0 | 52.0 | ug/L | 104 | | | | 73 | 128 | |
| Trichloroethene | 50 | 150 | 190 | ug/L | 80 | | | | 79 | 123 | |
| 1,2-Dichloropropane | 50 | 0 | 52.2 | ug/L | 104 | | | | 78 | 122 | |
| Bromodichloromethane | 50 | 0 | 54.3 | ug/L | 109 | | | | 79 | 125 | |
| 4-Methyl-2-Pentanone | 250 | 0 | 260 | ug/L | 104 | | | | 67 | 130 | |
| Toluene | 50 | 0 | 53.4 | ug/L | 107 | | | | 80 | 121 | |
| t-1,3-Dichloropropene | 50 | 0 | 45.6 | ug/L | 91 | | | | 73 | 127 | |
| cis-1,3-Dichloropropene | 50 | 0 | 50.1 | ug/L | 100 | | | | 75 | 124 | |
| 1,1,2-Trichloroethane | 50 | 0.45 | 55.0 | ug/L | 109 | | | | 80 | 119 | |
| 2-Hexanone | 250 | 0 | 270 | ug/L | 108 | | | | 57 | 139 | |
| Dibromochloromethane | 50 | 0 | 50.2 | ug/L | 100 | | | | 74 | 126 | |
| 1,2-Dibromoethane | 50 | 0 | 54.6 | ug/L | 109 | | | | 77 | 121 | |
| Tetrachloroethene | 50 | 0 | 51.0 | ug/L | 102 | | | | 74 | 129 | |
| Chlorobenzene | 50 | 0 | 52.1 | ug/L | 104 | | | | 82 | 118 | |
| Ethyl Benzene | 50 | 0 | 51.7 | ug/L | 103 | | | | 79 | 121 | |
| m/p-Xylenes | 100 | 0 | 110 | ug/L | 110 | | | | 80 | 121 | |
| o-Xylene | 50 | 0 | 53.1 | ug/L | 106 | | | | 78 | 122 | |
| Styrene | 50 | 0 | 54.6 | ug/L | 109 | | | | 78 | 123 | |
| Bromoform | 50 | 0 | 50.4 | ug/L | 101 | | | | 66 | 130 | |
| Isopropylbenzene | 50 | 0 | 51.8 | ug/L | 104 | | | | 72 | 131 | |
| 1,1,2,2-Tetrachloroethane | 50 | 0 | 50.8 | ug/L | 102 | | | | 71 | 121 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 50 | 0 | 52.3 | ug/L | 105 | | | | 80 | 119 | |
| 1,4-Dichlorobenzene | 50 | 0 | 50.9 | ug/L | 102 | | | | 79 | 118 | |
| 1,2-Dichlorobenzene | 50 | 0 | 50.9 | ug/L | 102 | | | | 80 | 119 | |
| 1,2-Dibromo-3-Chloropropane | 50 | 0 | 47.3 | ug/L | 95 | | | | 62 | 128 | |
| 1,2,4-Trichlorobenzene | 50 | 0 | 52.1 | ug/L | 104 | | | | 69 | 130 | |
| 1,2,3-Trichlorobenzene | 50 | 0 | 50.4 | ug/L | 101 | | | | 69 | 129 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID : P5317-20MSD** | | **Client Sample ID : RE132D5-20241217MSD** | | | | | | **Datafile :** VX044418.D | | | |
| Dichlorodifluoromethane | 50 | 1.20 | 52.5 | ug/L | 103 | | 4 | | 32 | 152 | 20 |
| Chloromethane | 50 | 0.70 | 52.8 | ug/L | 104 | | 7 | | 50 | 139 | 20 |
| Vinyl chloride | 50 | 0 | 52.7 | ug/L | 105 | | 2 | | 58 | 137 | 20 |
| Bromomethane | 50 | 0 | 51.1 | ug/L | 102 | | 2 | | 53 | 141 | 20 |
| Chloroethane | 50 | 0 | 50.0 | ug/L | 100 | | 11 | | 60 | 138 | 20 |
| Trichlorofluoromethane | 50 | 0 | 46.5 | ug/L | 93 | | 6 | | 65 | 141 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 50 | 9.40 | 57.5 | ug/L | 96 | | 1 | | 70 | 136 | 20 |
| 1,1-Dichloroethene | 50 | 2.60 | 57.1 | ug/L | 109 | | 0 | | 71 | 131 | 20 |
| Acetone | 250 | 1.40 | 230 | ug/L | 91 | | 0 | | 39 | 160 | 20 |
| Carbon disulfide | 50 | 0 | 54.9 | ug/L | 110 | | 4 | | 64 | 133 | 20 |
| Methyl tert-butyl Ether | 50 | 0 | 50.3 | ug/L | 101 | | 1 | | 71 | 124 | 20 |
| Methyl Acetate | 50 | 0 | 42.4 | ug/L | 85 | | 0 | | 56 | 136 | 20 |
| Methylene Chloride | 50 | 0 | 52.3 | ug/L | 105 | | 2 | | 74 | 124 | 20 |
| trans-1,2-Dichloroethene | 50 | 0 | 54.5 | ug/L | 109 | | 2 | | 75 | 124 | 20 |
| 1,1-Dichloroethane | 50 | 0 | 53.6 | ug/L | 107 | | 0 | | 77 | 125 | 20 |
| Cyclohexane | 50 | 0 | 51.8 | ug/L | 104 | | 1 | | 71 | 130 | 20 |
| 2-Butanone | 250 | 0 | 250 | ug/L | 100 | | 0 | | 56 | 143 | 20 |
| Carbon Tetrachloride | 50 | 0 | 52.3 | ug/L | 105 | | 1 | | 72 | 136 | 20 |
| cis-1,2-Dichloroethene | 50 | 1.60 | 53.6 | ug/L | 104 | | 2 | | 78 | 123 | 20 |
| Bromochloromethane | 50 | 0 | 48.3 | ug/L | 97 | | 5 | | 78 | 123 | 20 |
| Chloroform | 50 | 1.20 | 51.3 | ug/L | 100 | | 0 | | 79 | 124 | 20 |
| 1,1,1-Trichloroethane | 50 | 0 | 51.5 | ug/L | 103 | | 1 | | 74 | 131 | 20 |
| Methylcyclohexane | 50 | 0 | 49.2 | ug/L | 98 | | 7 | | 72 | 132 | 20 |
| Benzene | 50 | 0 | 53.4 | ug/L | 107 | | 3 | | 79 | 120 | 20 |
| 1,2-Dichloroethane | 50 | 0 | 50.5 | ug/L | 101 | | 3 | | 73 | 128 | 20 |
| Trichloroethene | 50 | 150 | 190 | ug/L | 80 | | 0 | | 79 | 123 | 20 |
| 1,2-Dichloropropane | 50 | 0 | 51.7 | ug/L | 103 | | 1 | | 78 | 122 | 20 |
| Bromodichloromethane | 50 | 0 | 53.9 | ug/L | 108 | | 1 | | 79 | 125 | 20 |
| 4-Methyl-2-Pentanone | 250 | 0 | 260 | ug/L | 104 | | 0 | | 67 | 130 | 20 |
| Toluene | 50 | 0 | 52.9 | ug/L | 106 | | 1 | | 80 | 121 | 20 |
| t-1,3-Dichloropropene | 50 | 0 | 46.0 | ug/L | 92 | | 1 | | 73 | 127 | 20 |
| cis-1,3-Dichloropropene | 50 | 0 | 49.9 | ug/L | 100 | | 0 | | 75 | 124 | 20 |
| 1,1,2-Trichloroethane | 50 | 0.45 | 54.8 | ug/L | 109 | | 0 | | 80 | 119 | 20 |
| 2-Hexanone | 250 | 0 | 260 | ug/L | 104 | | 4 | | 57 | 139 | 20 |
| Dibromochloromethane | 50 | 0 | 50.9 | ug/L | 102 | | 1 | | 74 | 126 | 20 |
| 1,2-Dibromoethane | 50 | 0 | 54.7 | ug/L | 109 | | 0 | | 77 | 121 | 20 |
| Tetrachloroethene | 50 | 0 | 49.8 | ug/L | 100 | | 2 | | 74 | 129 | 20 |
| Chlorobenzene | 50 | 0 | 51.2 | ug/L | 102 | | 2 | | 82 | 118 | 20 |
| Ethyl Benzene | 50 | 0 | 51.4 | ug/L | 103 | | 1 | | 79 | 121 | 20 |
| m/p-Xylenes | 100 | 0 | 110 | ug/L | 110 | | 0 | | 80 | 121 | 20 |
| o-Xylene | 50 | 0 | 52.4 | ug/L | 105 | | 1 | | 78 | 122 | 20 |
| Styrene | 50 | 0 | 54.0 | ug/L | 108 | | 1 | | 78 | 123 | 20 |
| Bromoform | 50 | 0 | 50.9 | ug/L | 102 | | 1 | | 66 | 130 | 20 |
| Isopropylbenzene | 50 | 0 | 50.3 | ug/L | 101 | | 3 | | 72 | 131 | 20 |
| 1,1,2,2-Tetrachloroethane | 50 | 0 | 50.9 | ug/L | 102 | | 0 | | 71 | 121 | 20 |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 50 | 0 | 51.9 | ug/L | 104 | | 1 | | 80 | 119 | 20 |
| 1,4-Dichlorobenzene | 50 | 0 | 50.9 | ug/L | 102 | | 0 | | 79 | 118 | 20 |
| 1,2-Dichlorobenzene | 50 | 0 | 50.8 | ug/L | 102 | | 0 | | 80 | 119 | 20 |
| 1,2-Dibromo-3-Chloropropane | 50 | 0 | 49.7 | ug/L | 99 | | 5 | | 62 | 128 | 20 |
| 1,2,4-Trichlorobenzene | 50 | 0 | 51.6 | ug/L | 103 | | 1 | | 69 | 130 | 20 |
| 1,2,3-Trichlorobenzene | 50 | 0 | 52.1 | ug/L | 104 | | 3 | | 69 | 129 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX044399.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1218WBS02 | Dichlorodifluoromethane | 20 | 19.0 | ug/L | 95 | | | 32 | 152 | |
| | Chloromethane | 20 | 21.4 | ug/L | 107 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 20.6 | ug/L | 103 | | | 58 | 137 | |
| | Bromomethane | 20 | 20.5 | ug/L | 103 | | | 53 | 141 | |
| | Chloroethane | 20 | 24.3 | ug/L | 121 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 15.9 | ug/L | 79 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 17.9 | ug/L | 90 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 20.1 | ug/L | 101 | | | 71 | 131 | |
| | Acetone | 100 | 94.1 | ug/L | 94 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 18.8 | ug/L | 94 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 20.4 | ug/L | 102 | | | 71 | 124 | |
| | Methyl Acetate | 20 | 21.3 | ug/L | 106 | | | 56 | 136 | |
| | Methylene Chloride | 20 | 21.2 | ug/L | 106 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 19.8 | ug/L | 99 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 21.4 | ug/L | 107 | | | 77 | 125 | |
| | Cyclohexane | 20 | 17.8 | ug/L | 89 | | | 71 | 130 | |
| | 2-Butanone | 100 | 100 | ug/L | 100 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 18.4 | ug/L | 92 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 20.4 | ug/L | 102 | | | 78 | 123 | |
| | Bromochloromethane | 20 | 20.8 | ug/L | 104 | | | 78 | 123 | |
| | Chloroform | 20 | 20.3 | ug/L | 102 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 19.5 | ug/L | 98 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 17.7 | ug/L | 89 | | | 72 | 132 | |
| | Benzene | 20 | 20.8 | ug/L | 104 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 20.6 | ug/L | 103 | | | 73 | 128 | |
| | Trichloroethene | 20 | 19.9 | ug/L | 100 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 20.7 | ug/L | 104 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 20.7 | ug/L | 104 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 110 | ug/L | 110 | | | 67 | 130 | |
| | Toluene | 20 | 20.0 | ug/L | 100 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 19.1 | ug/L | 96 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 19.3 | ug/L | 97 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 21.6 | ug/L | 108 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 110 | ug/L | 110 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 19.4 | ug/L | 97 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 21.7 | ug/L | 109 | | | 77 | 121 | |
| | Tetrachloroethene | 20 | 18.9 | ug/L | 95 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 19.1 | ug/L | 96 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 18.8 | ug/L | 94 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 38.0 | ug/L | 95 | | | 80 | 121 | |
| | o-Xylene | 20 | 19.1 | ug/L | 96 | | | 78 | 122 | |
| | Styrene | 20 | 19.7 | ug/L | 99 | | | 78 | 123 | |
| | Bromoform | 20 | 20.0 | ug/L | 100 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 19.9 | ug/L | 100 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 22.0 | ug/L | 110 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 19.8 | ug/L | 99 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 19.6 | ug/L | 98 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 20.1 | ug/L | 101 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX044399.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1218WBS02 | 1,2-Dibromo-3-Chloropropane | 20 | 18.9 | ug/L | 95 | | | 62 | 128 | |
| | 1,2,4-Trichlorobenzene | 20 | 18.7 | ug/L | 94 | | | 69 | 130 | |
| | 1,2,3-Trichlorobenzene | 20 | 19.8 | ug/L | 99 | | | 69 | 129 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX044441.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1220WBS01 | Dichlorodifluoromethane | 20 | 18.5 | ug/L | 93 | | | 32 | 152 | |
| | Chloromethane | 20 | 18.7 | ug/L | 94 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 17.9 | ug/L | 90 | | | 58 | 137 | |
| | Bromomethane | 20 | 18.8 | ug/L | 94 | | | 53 | 141 | |
| | Chloroethane | 20 | 19.8 | ug/L | 99 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 15.3 | ug/L | 77 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 18.5 | ug/L | 93 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 18.9 | ug/L | 95 | | | 71 | 131 | |
| | Acetone | 100 | 75.7 | ug/L | 76 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 16.4 | ug/L | 82 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 17.6 | ug/L | 88 | | | 71 | 124 | |
| | Methyl Acetate | 20 | 17.7 | ug/L | 89 | | | 56 | 136 | |
| | Methylene Chloride | 20 | 19.1 | ug/L | 96 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 18.7 | ug/L | 94 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 18.9 | ug/L | 95 | | | 77 | 125 | |
| | Cyclohexane | 20 | 17.6 | ug/L | 88 | | | 71 | 130 | |
| | 2-Butanone | 100 | 83.3 | ug/L | 83 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 18.9 | ug/L | 95 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 18.0 | ug/L | 90 | | | 78 | 123 | |
| | Bromochloromethane | 20 | 15.8 | ug/L | 79 | | | 78 | 123 | |
| | Chloroform | 20 | 17.7 | ug/L | 89 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 17.5 | ug/L | 88 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 19.3 | ug/L | 97 | | | 72 | 132 | |
| | Benzene | 20 | 20.4 | ug/L | 102 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 19.2 | ug/L | 96 | | | 73 | 128 | |
| | Trichloroethene | 20 | 19.9 | ug/L | 100 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 19.1 | ug/L | 96 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 19.1 | ug/L | 96 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 92.4 | ug/L | 92 | | | 67 | 130 | |
| | Toluene | 20 | 19.5 | ug/L | 98 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 17.9 | ug/L | 90 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 19.2 | ug/L | 96 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 20.8 | ug/L | 104 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 90.4 | ug/L | 90 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 18.8 | ug/L | 94 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 20.2 | ug/L | 101 | | | 77 | 121 | |
| | Tetrachloroethene | 20 | 20.8 | ug/L | 104 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 19.9 | ug/L | 100 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 19.2 | ug/L | 96 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 39.8 | ug/L | 100 | | | 80 | 121 | |
| | o-Xylene | 20 | 19.8 | ug/L | 99 | | | 78 | 122 | |
| | Styrene | 20 | 19.8 | ug/L | 99 | | | 78 | 123 | |
| | Bromoform | 20 | 19.3 | ug/L | 97 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 19.9 | ug/L | 100 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 19.6 | ug/L | 98 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 20.1 | ug/L | 101 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 20.0 | ug/L | 100 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 19.8 | ug/L | 99 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX044441.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1220WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 16.5 | ug/L | 83 | | | 62 | 128 | |
| | 1,2,4-Trichlorobenzene | 20 | 19.5 | ug/L | 98 | | | 69 | 130 | |
| | 1,2,3-Trichlorobenzene | 20 | 19.4 | ug/L | 97 | | | 69 | 129 | |

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**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX044484.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1223WBS03 | Dichlorodifluoromethane | 20 | 16.9 | ug/L | 85 | | | 32 | 152 | 20 |
| | Chloromethane | 20 | 17.1 | ug/L | 86 | | | 50 | 139 | 20 |
| | Vinyl chloride | 20 | 17.2 | ug/L | 86 | | | 58 | 137 | 20 |
| | Bromomethane | 20 | 16.6 | ug/L | 83 | | | 53 | 141 | 20 |
| | Chloroethane | 20 | 17.1 | ug/L | 86 | | | 60 | 138 | 20 |
| | Trichlorofluoromethane | 20 | 13.8 | ug/L | 69 | | | 65 | 141 | 20 |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 17.5 | ug/L | 88 | | | 70 | 136 | 20 |
| | 1,1-Dichloroethene | 20 | 18.2 | ug/L | 91 | | | 71 | 131 | 20 |
| | Acetone | 100 | 65.8 | ug/L | 66 | | | 39 | 160 | 20 |
| | Carbon disulfide | 20 | 17.5 | ug/L | 88 | | | 64 | 133 | 20 |
| | Methyl tert-butyl Ether | 20 | 16.3 | ug/L | 81 | | | 71 | 124 | 20 |
| | Methyl Acetate | 20 | 15.0 | ug/L | 75 | | | 56 | 136 | 20 |
| | Methylene Chloride | 20 | 18.0 | ug/L | 90 | | | 74 | 124 | 20 |
| | trans-1,2-Dichloroethene | 20 | 17.1 | ug/L | 86 | | | 75 | 124 | 20 |
| | 1,1-Dichloroethane | 20 | 17.3 | ug/L | 86 | | | 77 | 125 | 20 |
| | Cyclohexane | 20 | 17.0 | ug/L | 85 | | | 71 | 130 | 20 |
| | 2-Butanone | 100 | 69.6 | ug/L | 70 | | | 56 | 143 | 20 |
| | Carbon Tetrachloride | 20 | 18.4 | ug/L | 92 | | | 72 | 136 | 20 |
| | cis-1,2-Dichloroethene | 20 | 17.8 | ug/L | 89 | | | 78 | 123 | 20 |
| | Bromochloromethane | 20 | 18.7 | ug/L | 94 | | | 78 | 123 | 20 |
| | Chloroform | 20 | 16.8 | ug/L | 84 | | | 79 | 124 | 20 |
| | 1,1,1-Trichloroethane | 20 | 17.5 | ug/L | 88 | | | 74 | 131 | 20 |
| | Methylcyclohexane | 20 | 18.3 | ug/L | 92 | | | 72 | 132 | 20 |
| | Benzene | 20 | 19.3 | ug/L | 97 | | | 79 | 120 | 20 |
| | 1,2-Dichloroethane | 20 | 18.6 | ug/L | 93 | | | 73 | 128 | 20 |
| | Trichloroethene | 20 | 20.8 | ug/L | 104 | | | 79 | 123 | 20 |
| | 1,2-Dichloropropane | 20 | 18.7 | ug/L | 94 | | | 78 | 122 | 20 |
| | Bromodichloromethane | 20 | 18.5 | ug/L | 93 | | | 79 | 125 | 20 |
| | 4-Methyl-2-Pentanone | 100 | 79.0 | ug/L | 79 | | | 67 | 130 | 20 |
| | Toluene | 20 | 19.7 | ug/L | 99 | | | 80 | 121 | 20 |
| | t-1,3-Dichloropropene | 20 | 18.3 | ug/L | 92 | | | 73 | 127 | 20 |
| | cis-1,3-Dichloropropene | 20 | 19.5 | ug/L | 98 | | | 75 | 124 | 20 |
| | 1,1,2-Trichloroethane | 20 | 19.4 | ug/L | 97 | | | 80 | 119 | 20 |
| | 2-Hexanone | 100 | 78.2 | ug/L | 78 | | | 57 | 139 | 20 |
| | Dibromochloromethane | 20 | 18.3 | ug/L | 92 | | | 74 | 126 | 20 |
| | 1,2-Dibromoethane | 20 | 19.5 | ug/L | 98 | | | 77 | 121 | 20 |
| | Tetrachloroethene | 20 | 21.5 | ug/L | 108 | | | 74 | 129 | 20 |
| | Chlorobenzene | 20 | 19.9 | ug/L | 100 | | | 82 | 118 | 20 |
| | Ethyl Benzene | 20 | 19.6 | ug/L | 98 | | | 79 | 121 | 20 |
| | m/p-Xylenes | 40 | 40.6 | ug/L | 102 | | | 80 | 121 | 20 |
| | o-Xylene | 20 | 19.5 | ug/L | 98 | | | 78 | 122 | 20 |
| | Styrene | 20 | 19.6 | ug/L | 98 | | | 78 | 123 | 20 |
| | Bromoform | 20 | 19.2 | ug/L | 96 | | | 66 | 130 | 20 |
| | Isopropylbenzene | 20 | 19.1 | ug/L | 96 | | | 72 | 131 | 20 |
| | 1,1,2,2-Tetrachloroethane | 20 | 18.0 | ug/L | 90 | | | 71 | 121 | 20 |
| | 1,3-Dichlorobenzene | 20 | 20.2 | ug/L | 101 | | | 80 | 119 | 20 |
| | 1,4-Dichlorobenzene | 20 | 19.7 | ug/L | 99 | | | 79 | 118 | 20 |
| | 1,2-Dichlorobenzene | 20 | 19.5 | ug/L | 98 | | | 80 | 119 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX044484.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1223WBS03 | 1,2-Dibromo-3-Chloropropane | 20 | 14.7 | ug/L | 74 | | | 62 | 128 | 20 |
| | 1,2,4-Trichlorobenzene | 20 | 20.5 | ug/L | 103 | | | 69 | 130 | 20 |
| | 1,2,3-Trichlorobenzene | 20 | 20.7 | ug/L | 104 | | | 69 | 129 | 20 |

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**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX044543.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1231WBS01 | Dichlorodifluoromethane | 20 | 16.4 | ug/L | 82 | | | 32 | 152 | |
| | Chloromethane | 20 | 15.8 | ug/L | 79 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 16.6 | ug/L | 83 | | | 58 | 137 | |
| | Bromomethane | 20 | 15.6 | ug/L | 78 | | | 53 | 141 | |
| | Chloroethane | 20 | 17.2 | ug/L | 86 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 14.9 | ug/L | 75 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 18.2 | ug/L | 91 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 18.6 | ug/L | 93 | | | 71 | 131 | |
| | Acetone | 100 | 74.3 | ug/L | 74 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 14.7 | ug/L | 74 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 16.6 | ug/L | 83 | | | 71 | 124 | |
| | Methyl Acetate | 20 | 17.6 | ug/L | 88 | | | 56 | 136 | |
| | Methylene Chloride | 20 | 17.4 | ug/L | 87 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 17.2 | ug/L | 86 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 17.4 | ug/L | 87 | | | 77 | 125 | |
| | Cyclohexane | 20 | 16.4 | ug/L | 82 | | | 71 | 130 | |
| | 2-Butanone | 100 | 80.3 | ug/L | 80 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 18.9 | ug/L | 95 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 17.2 | ug/L | 86 | | | 78 | 123 | |
| | Bromochloromethane | 20 | 16.9 | ug/L | 85 | | | 78 | 123 | |
| | Chloroform | 20 | 16.8 | ug/L | 84 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 16.9 | ug/L | 85 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 19.1 | ug/L | 96 | | | 72 | 132 | |
| | Benzene | 20 | 19.3 | ug/L | 97 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 18.7 | ug/L | 94 | | | 73 | 128 | |
| | Trichloroethene | 20 | 19.9 | ug/L | 100 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 18.8 | ug/L | 94 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 18.7 | ug/L | 94 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 90.7 | ug/L | 91 | | | 67 | 130 | |
| | Toluene | 20 | 18.9 | ug/L | 95 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 17.9 | ug/L | 90 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 19.2 | ug/L | 96 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 20.2 | ug/L | 101 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 91.0 | ug/L | 91 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 18.8 | ug/L | 94 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 20.0 | ug/L | 100 | | | 77 | 121 | |
| | Tetrachloroethene | 20 | 20.7 | ug/L | 104 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 19.3 | ug/L | 97 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 19.0 | ug/L | 95 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 39.4 | ug/L | 99 | | | 80 | 121 | |
| | o-Xylene | 20 | 19.1 | ug/L | 96 | | | 78 | 122 | |
| | Styrene | 20 | 19.5 | ug/L | 98 | | | 78 | 123 | |
| | Bromoform | 20 | 20.0 | ug/L | 100 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 19.5 | ug/L | 98 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 19.4 | ug/L | 97 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 20.5 | ug/L | 103 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 20.0 | ug/L | 100 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 19.4 | ug/L | 97 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P5317

**Client:** AECOM Technical Services, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX044543.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1231WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 16.6 | ug/L | 83 | | | 62 | 128 | |
| | 1,2,4-Trichlorobenzene | 20 | 20.7 | ug/L | 104 | | | 69 | 130 | |
| | 1,2,3-Trichlorobenzene | 20 | 20.6 | ug/L | 103 | | | 69 | 129 | |

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1218WBL02

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044398.D Lab Sample ID: VX1218WBL02

Date Analyzed: 12/18/2024 Time Analyzed: 22:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX1218WBS02 | VX1218WBS02 | VX044399.D | 12/18/2024 |
| RE114D2-20241216 | P5317-01 | VX044401.D | 12/19/2024 |
| RW4-20241216 | P5317-02 | VX044402.D | 12/19/2024 |
| TT191D2-20241216 | P5317-04 | VX044404.D | 12/19/2024 |
| TT163S1-20241216 | P5317-05 | VX044405.D | 12/19/2024 |
| RW8-MW01S-20241216 | P5317-07 | VX044406.D | 12/19/2024 |
| RW8-MW01D1-20241216 | P5317-08 | VX044407.D | 12/19/2024 |
| TT158S1-20241217 | P5317-09 | VX044408.D | 12/19/2024 |
| TT158I1-20241217 | P5317-10 | VX044409.D | 12/19/2024 |
| TT172S1-20241217 | P5317-12 | VX044410.D | 12/19/2024 |
| RW9-MW01S-20241217 | P5317-13 | VX044411.D | 12/19/2024 |
| RW9-MW01D1-20241217 | P5317-14 | VX044412.D | 12/19/2024 |
| RW9-MW01D2-20241217 | P5317-15 | VX044413.D | 12/19/2024 |
| RW9-MW01D3-20241217 | P5317-16 | VX044414.D | 12/19/2024 |
| TB | P5317-23 | VX044415.D | 12/19/2024 |
| RE132D5-20241217 | P5317-18 | VX044416.D | 12/19/2024 |
| RE132D5-20241217MS | P5317-19MS | VX044417.D | 12/19/2024 |
| RE132D5-20241217MSD | P5317-20MSD | VX044418.D | 12/19/2024 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1220WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044440.D Lab Sample ID: VX1220WBL01

Date Analyzed: 12/20/2024 Time Analyzed: 10:23

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX1220WBS01 | VX1220WBS01 | VX044441.D | 12/20/2024 |
| RW4-20241216DL | P5317-02DL | VX044450.D | 12/20/2024 |
| TT191D1-20241216 | P5317-03 | VX044452.D | 12/20/2024 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1223WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044468.D Lab Sample ID: VX1223WBL01

Date Analyzed: 12/23/2024 Time Analyzed: 09:46

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX1223WBS03 | VX1223WBS03 | VX044484.D | 12/23/2024 |
| RE132D6-20241217 | P5317-21 | VX044485.D | 12/23/2024 |
| RE132D7-20241217 | P5317-22 | VX044486.D | 12/23/2024 |
| DUP-04-20241216 | P5317-06 | VX044487.D | 12/23/2024 |
| DUP-05-20241217 | P5317-11 | VX044488.D | 12/23/2024 |
| DUP-06-20241217 | P5317-17 | VX044489.D | 12/23/2024 |
| RW8-MW01D2-20241217 | P5317-24 | VX044490.D | 12/23/2024 |
| RW8-MW01D3-20241217 | P5317-25 | VX044491.D | 12/23/2024 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1231WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044542.D Lab Sample ID: VX1231WBL01

Date Analyzed: 12/30/2024 Time Analyzed: 14:26

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX1231WBS01 | VX1231WBS01 | VX044543.D | 12/30/2024 |
| RE132D5-20241217DL | P5317-18DL | VX044545.D | 12/30/2024 |

COMMENTS:

Raw Data: **VX044218.D**

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044218.D BFB Injection Date: 12/11/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:13

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 21.7 |
| 75 | 30.0 - 60.0% of mass 95 | 56.2 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 0.9 ( 1.2 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 71.1 |
| 175 | 5.0 - 9.0% of mass 174 | 5.2 ( 7.3 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 68.7 ( 96.6 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.6 ( 6.8 ) 2 |

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC001 | VSTDICC001 | VX044219.D | 12/11/2024 | 10:41 |
| VSTDICC005 | VSTDICC005 | VX044220.D | 12/11/2024 | 11:27 |
| VSTDICC020 | VSTDICC020 | VX044221.D | 12/11/2024 | 11:50 |
| VSTDICCC050 | VSTDICCC050 | VX044222.D | 12/11/2024 | 12:14 |
| VSTDICC100 | VSTDICC100 | VX044223.D | 12/11/2024 | 12:37 |
| VSTDICC150 | VSTDICC150 | VX044224.D | 12/11/2024 | 13:00 |

Raw Data: **VX044396.D**

Alliance TECHNICAL GROUP

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044396.D BFB Injection Date: 12/18/2024

Instrument ID: MSVOA_X BFB Injection Time: 21:02

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 22.6 |
| 75 | 30.0 - 60.0% of mass 95 | 56 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.3 |
| 173 | Less than 2.0% of mass 174 | 0.7 ( 0.8 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 78.2 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 6.9 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 74.4 ( 95.1 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.5 ( 6.1 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX044397.D | 12/18/2024 | 21:48 |
| VX1218WBL02 | VX1218WBL02 | VX044398.D | 12/18/2024 | 22:59 |
| VX1218WBS02 | VX1218WBS02 | VX044399.D | 12/18/2024 | 23:22 |
| RE114D2-20241216 | P5317-01 | VX044401.D | 12/19/2024 | 00:13 |
| RW4-20241216 | P5317-02 | VX044402.D | 12/19/2024 | 00:37 |
| TT191D2-20241216 | P5317-04 | VX044404.D | 12/19/2024 | 01:24 |
| TT163S1-20241216 | P5317-05 | VX044405.D | 12/19/2024 | 01:47 |
| RW8-MW01S-20241216 | P5317-07 | VX044406.D | 12/19/2024 | 02:10 |
| RW8-MW01D1-20241216 | P5317-08 | VX044407.D | 12/19/2024 | 02:34 |
| TT158S1-20241217 | P5317-09 | VX044408.D | 12/19/2024 | 02:57 |
| TT158I1-20241217 | P5317-10 | VX044409.D | 12/19/2024 | 03:21 |
| TT172S1-20241217 | P5317-12 | VX044410.D | 12/19/2024 | 03:44 |
| RW9-MW01S-20241217 | P5317-13 | VX044411.D | 12/19/2024 | 04:07 |
| RW9-MW01D1-20241217 | P5317-14 | VX044412.D | 12/19/2024 | 04:31 |
| RW9-MW01D2-20241217 | P5317-15 | VX044413.D | 12/19/2024 | 04:54 |
| RW9-MW01D3-20241217 | P5317-16 | VX044414.D | 12/19/2024 | 05:17 |
| TB | P5317-23 | VX044415.D | 12/19/2024 | 05:41 |
| RE132D5-20241217 | P5317-18 | VX044416.D | 12/19/2024 | 06:04 |

Raw Data: **VX044396.D**

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044396.D BFB Injection Date: 12/18/2024

Instrument ID: MSVOA_X BFB Injection Time: 21:02

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 22.6 |
| 75 | 30.0 - 60.0% of mass 95 | 56 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.3 |
| 173 | Less than 2.0% of mass 174 | 0.7 ( 0.8 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 78.2 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 6.9 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 74.4 ( 95.1 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.5 ( 6.1 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| RE132D5-20241217MS | P5317-19MS | VX044417.D | 12/19/2024 | 06:28 |
| RE132D5-20241217MSD | P5317-20MSD | VX044418.D | 12/19/2024 | 06:51 |
| VSTDCCC050EC | VSTDCCC050 | VX044419.D | 12/19/2024 | 07:14 |

Raw Data: **VX044437.D**

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044437.D BFB Injection Date: 12/20/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:49

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| 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 | 52.1 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7.8 |
| 173 | Less than 2.0% of mass 174 | 0.9 ( 1.2 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 77.7 |
| 175 | 5.0 - 9.0% of mass 174 | 5.6 ( 7.2 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 76.6 ( 98.5 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.7 ( 6.1 ) 2 |

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX044438.D | 12/20/2024 | 09:16 |
| VX1220WBL01 | VX1220WBL01 | VX044440.D | 12/20/2024 | 10:23 |
| VX1220WBS01 | VX1220WBS01 | VX044441.D | 12/20/2024 | 10:46 |
| RW4-20241216DL | P5317-02DL | VX044450.D | 12/20/2024 | 14:23 |
| TT191D1-20241216 | P5317-03 | VX044452.D | 12/20/2024 | 15:09 |
| VSTDCCC050EC | VSTDCCC050 | VX044464.D | 12/20/2024 | 19:49 |

Raw Data: **VX044465.D**

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044465.D BFB Injection Date: 12/23/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:19

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 19.4 |
| 75 | 30.0 - 60.0% of mass 95 | 53.5 |
| 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 | 1.2 ( 1.5 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 77.6 |
| 175 | 5.0 - 9.0% of mass 174 | 5.8 ( 7.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 75.4 ( 97.2 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.3 ( 5.7 ) 2 |

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX044466.D | 12/23/2024 | 08:49 |
| VX1223WBL01 | VX1223WBL01 | VX044468.D | 12/23/2024 | 09:46 |
| VX1223WBS03 | VX1223WBS03 | VX044484.D | 12/23/2024 | 16:46 |
| RE132D6-20241217 | P5317-21 | VX044485.D | 12/23/2024 | 17:09 |
| RE132D7-20241217 | P5317-22 | VX044486.D | 12/23/2024 | 17:31 |
| DUP-04-20241216 | P5317-06 | VX044487.D | 12/23/2024 | 17:54 |
| DUP-05-20241217 | P5317-11 | VX044488.D | 12/23/2024 | 18:17 |
| DUP-06-20241217 | P5317-17 | VX044489.D | 12/23/2024 | 18:40 |
| RW8-MW01D2-20241217 | P5317-24 | VX044490.D | 12/23/2024 | 19:03 |
| RW8-MW01D3-20241217 | P5317-25 | VX044491.D | 12/23/2024 | 19:26 |
| VSTDCCC050EC | VSTDCCC050 | VX044492.D | 12/23/2024 | 19:49 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044539.D BFB Injection Date: 12/30/2024

Instrument ID: MSVOA_X BFB Injection Time: 12:39

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 18.3 |
| 75 | 30.0 - 60.0% of mass 95 | 53 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.3 |
| 173 | Less than 2.0% of mass 174 | 0.8 ( 1.1 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 75.4 |
| 175 | 5.0 - 9.0% of mass 174 | 6.2 ( 8.2 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 74.8 ( 99.2 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.8 ( 6.4 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX044540.D | 12/30/2024 | 13:07 |
| VX1231WBL01 | VX1231WBL01 | VX044542.D | 12/30/2024 | 14:26 |
| VX1231WBS01 | VX1231WBS01 | VX044543.D | 12/30/2024 | 14:54 |
| RE132D5-20241217DL | P5317-18DL | VX044545.D | 12/30/2024 | 15:45 |
| VSTDCCC050EC | VSTDCCC050 | VX044566.D | 12/30/2024 | 23:54 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044397.D Date Analyzed: 12/18/2024

Instrument ID: MSVOA_X Time Analyzed: 21:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 135217 | 5.54 | 239936 | 6.76 | 204282 | 10.06 |
| UPPER LIMIT | 270434 | 6.044 | 479872 | 7.257 | 408564 | 10.555 |
| LOWER LIMIT | 67608.5 | 5.044 | 119968 | 6.257 | 102141 | 9.555 |
| EPA SAMPLE NO. | | | | | | |
| RE114D2-20241216 | 107762 | 5.55 | 195811 | 6.76 | 176405 | 10.06 |
| RW4-20241216 | 108595 | 5.55 | 199832 | 6.76 | 172545 | 10.06 |
| TT191D2-20241216 | 108502 | 5.55 | 198842 | 6.76 | 177204 | 10.06 |
| TT163S1-20241216 | 107084 | 5.55 | 188252 | 6.76 | 168467 | 10.06 |
| RW8-MW01S-20241216 | 108582 | 5.54 | 195784 | 6.76 | 169226 | 10.06 |
| RW8-MW01D1-20241216 | 111969 | 5.55 | 205674 | 6.76 | 179449 | 10.06 |
| TT158S1-20241217 | 107112 | 5.55 | 197035 | 6.76 | 171282 | 10.06 |
| TT158I1-20241217 | 108444 | 5.54 | 193059 | 6.76 | 169424 | 10.06 |
| TT172S1-20241217 | 106531 | 5.54 | 190393 | 6.76 | 168278 | 10.06 |
| RW9-MW01S-20241217 | 106718 | 5.55 | 197494 | 6.76 | 178573 | 10.06 |
| RW9-MW01D1-20241217 | 111175 | 5.55 | 207120 | 6.76 | 180812 | 10.06 |
| RW9-MW01D2-20241217 | 104505 | 5.55 | 188770 | 6.76 | 164946 | 10.06 |
| RW9-MW01D3-20241217 | 107842 | 5.55 | 195942 | 6.76 | 171336 | 10.06 |
| RE132D5-20241217 | 104497 | 5.54 | 189474 | 6.76 | 170677 | 10.06 |
| RE132D5-20241217MS | 120579 | 5.55 | 213617 | 6.76 | 190465 | 10.06 |
| RE132D5-20241217MSD | 116949 | 5.55 | 212543 | 6.76 | 188325 | 10.06 |
| TB | 109432 | 5.55 | 198449 | 6.76 | 170843 | 10.06 |
| VX1218WBL02 | 114674 | 5.55 | 206506 | 6.76 | 183436 | 10.06 |
| VX1218WBS02 | 128991 | 5.55 | 233001 | 6.76 | 200137 | 10.06 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044397.D Date Analyzed: 12/18/2024

Instrument ID: MSVOA_X Time Analyzed: 21:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 135217 | 5.54 | 239936 | 6.76 | 204282 | 10.06 |
| UPPER LIMIT | 270434 | 6.044 | 479872 | 7.257 | 408564 | 10.555 |
| LOWER LIMIT | 67608.5 | 5.044 | 119968 | 6.257 | 102141 | 9.555 |
| EPA SAMPLE NO. | | | | | | |

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044397.D Date Analyzed: 12/18/2024

Instrument ID: MSVOA_X Time Analyzed: 21:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 94679 | 12.018 | | | | |
| UPPER LIMIT | 189358 | 12.518 | | | | |
| LOWER LIMIT | 47339.5 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| RE114D2-20241216 | 72683 | 12.02 | | | | |
| RW4-20241216 | 70176 | 12.02 | | | | |
| TT191D2-20241216 | 73178 | 12.02 | | | | |
| TT163S1-20241216 | 67456 | 12.02 | | | | |
| RW8-MW01S-20241216 | 66576 | 12.02 | | | | |
| RW8-MW01D1-20241216 | 71479 | 12.02 | | | | |
| TT158S1-20241217 | 65660 | 12.02 | | | | |
| TT158I1-20241217 | 64056 | 12.02 | | | | |
| TT172S1-20241217 | 68296 | 12.02 | | | | |
| RW9-MW01S-20241217 | 73713 | 12.02 | | | | |
| RW9-MW01D1-20241217 | 74025 | 12.02 | | | | |
| RW9-MW01D2-20241217 | 62374 | 12.02 | | | | |
| RW9-MW01D3-20241217 | 67520 | 12.02 | | | | |
| RE132D5-20241217 | 71901 | 12.02 | | | | |
| RE132D5-20241217MS | 89259 | 12.02 | | | | |
| RE132D5-20241217MSD | 88743 | 12.02 | | | | |
| TB | 68420 | 12.02 | | | | |
| VX1218WBL02 | 77360 | 12.02 | | | | |
| VX1218WBS02 | 86763 | 12.02 | | | | |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044397.D Date Analyzed: 12/18/2024

Instrument ID: MSVOA_X Time Analyzed: 21:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 94679 | 12.018 | | | | |
| UPPER LIMIT | 189358 | 12.518 | | | | |
| LOWER LIMIT | 47339.5 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044438.D Date Analyzed: 12/20/2024

Instrument ID: MSVOA_X Time Analyzed: 09:16

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 136445 | 5.54 | 226018 | 6.76 | 197543 | 10.06 |
| UPPER LIMIT | 272890 | 6.044 | 452036 | 7.257 | 395086 | 10.555 |
| LOWER LIMIT | 68222.5 | 5.044 | 113009 | 6.257 | 98771.5 | 9.555 |
| EPA SAMPLE NO. | | | | | | |
| RW4-20241216DL | 123451 | 5.55 | 220282 | 6.76 | 193072 | 10.06 |
| TT191D1-20241216 | 118996 | 5.55 | 210803 | 6.76 | 181303 | 10.06 |
| VX1220WBL01 | 120864 | 5.55 | 218417 | 6.76 | 193836 | 10.05 |
| VX1220WBS01 | 146515 | 5.55 | 249173 | 6.76 | 212384 | 10.05 |

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044438.D Date Analyzed: 12/20/2024

Instrument ID: MSVOA_X Time Analyzed: 09:16

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 95339 | 12.018 | | | | |
| UPPER LIMIT | 190678 | 12.518 | | | | |
| LOWER LIMIT | 47669.5 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| RW4-20241216DL | 79195 | 12.02 | | | | |
| TT191D1-20241216 | 72773 | 12.02 | | | | |
| VX1220WBL01 | 81005 | 12.02 | | | | |
| VX1220WBS01 | 96885 | 12.02 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044466.D Date Analyzed: 12/23/2024

Instrument ID: MSVOA_X Time Analyzed: 08:49

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 98270 | 5.54 | 155098 | 6.75 | 129773 | 10.05 |
| UPPER LIMIT | 196540 | 6.044 | 310196 | 7.251 | 259546 | 10.549 |
| LOWER LIMIT | 49135 | 5.044 | 77549 | 6.251 | 64886.5 | 9.549 |
| EPA SAMPLE NO. | | | | | | |
| DUP-04-20241216 | 141229 | 5.55 | 244942 | 6.76 | 208216 | 10.05 |
| DUP-05-20241217 | 132450 | 5.54 | 232737 | 6.76 | 211937 | 10.06 |
| DUP-06-20241217 | 128956 | 5.54 | 226548 | 6.76 | 197304 | 10.06 |
| RE132D6-20241217 | 144075 | 5.54 | 249365 | 6.76 | 221444 | 10.05 |
| RE132D7-20241217 | 146702 | 5.54 | 250392 | 6.76 | 212795 | 10.05 |
| RW8-MW01D2-20241217 | 134770 | 5.54 | 236910 | 6.76 | 213239 | 10.05 |
| RW8-MW01D3-20241217 | 131619 | 5.55 | 231647 | 6.76 | 212925 | 10.05 |
| VX1223WBL01 | 153955 | 5.54 | 275095 | 6.76 | 235868 | 10.05 |
| VX1223WBS03 | 136426 | 5.54 | 230675 | 6.76 | 197773 | 10.05 |

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044466.D Date Analyzed: 12/23/2024

Instrument ID: MSVOA_X Time Analyzed: 08:49

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 59280 | 12.018 | | | | |
| UPPER LIMIT | 118560 | 12.518 | | | | |
| LOWER LIMIT | 29640 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| DUP-04-20241216 | 92708 | 12.02 | | | | |
| DUP-05-20241217 | 95898 | 12.02 | | | | |
| DUP-06-20241217 | 84907 | 12.02 | | | | |
| RE132D6-20241217 | 102248 | 12.02 | | | | |
| RE132D7-20241217 | 100422 | 12.02 | | | | |
| RW8-MW01D2-20241217 | 94135 | 12.02 | | | | |
| RW8-MW01D3-20241217 | 89186 | 12.02 | | | | |
| VX1223WBL01 | 97837 | 12.02 | | | | |
| VX1223WBS03 | 93712 | 12.02 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044540.D Date Analyzed: 12/30/2024

Instrument ID: MSVOA_X Time Analyzed: 13:07

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 137969 | 5.54 | 223553 | 6.76 | 195826 | 10.06 |
| UPPER LIMIT | 275938 | 6.044 | 447106 | 7.257 | 391652 | 10.555 |
| LOWER LIMIT | 68984.5 | 5.044 | 111777 | 6.257 | 97913 | 9.555 |
| EPA SAMPLE NO. | | | | | | |
| RE132D5-20241217DL | 117987 | 5.55 | 200283 | 6.76 | 179426 | 10.06 |
| VX1231WBL01 | 117464 | 5.55 | 200538 | 6.76 | 172503 | 10.06 |
| VX1231WBS01 | 153746 | 5.54 | 254154 | 6.76 | 219785 | 10.06 |

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG NO.: P5317

Lab File ID: VX044540.D Date Analyzed: 12/30/2024

Instrument ID: MSVOA_X Time Analyzed: 13:07

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 98470 | 12.018 | | | | |
| UPPER LIMIT | 196940 | 12.518 | | | | |
| LOWER LIMIT | 49235 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| RE132D5-20241217DL | 75456 | 12.02 | | | | |
| VX1231WBL01 | 71731 | 12.02 | | | | |
| VX1231WBS01 | 100843 | 12.02 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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TECHNICAL GROUP

# SAMPLE DATA

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE114D2-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044401.D | 1 | | 12/19/24 00:13 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.62 | J | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 14.1 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.90 | J | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.70 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.62 | J | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.65 | J | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.90 | | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.57 | J | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 110 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.29 | J | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044401.D**

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE114D2-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044401.D | 1 | | 12/19/24 00:13 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 | J | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.48 | J | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.7 | | 81 - 118 | | 89% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.9 | | 80 - 119 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 53.1 | | 89 - 112 | | 106% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.7 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 108000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 196000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 176000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 72700 | 12.024 | | | | |

Raw Data: **VX044401.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE114D2-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044401.D | 1 | | 12/19/24 00:13 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044401.D
Acq On : 19 Dec 2024 00:13
Operator : JC/MD
Sample : P5317-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 19 05:06:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 107762 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 195811 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 176405 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 72683 | 50.000 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 84423 | 44.682 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 89.360% | | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 64929 | 47.877 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.760% | | | | |
| 50) Toluene-d8 | 8.647 | 98 | 243041 | 53.120 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 106.240% | | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 77802 | 48.665 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.320% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 1030 | 0.618 | ug/l | | 76 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 18563 | 14.116 | ug/l | | 95 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 1092 | 0.904 | ug/l | | 99 |
| 16) Acetone | 2.386 | 43 | 1335 | 1.733 | ug/l | # | 89 |
| 20) Methylene Chloride | 2.776 | 84 | 431 | 0.298 | ug/l | # | 67 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 1566 | 0.620 | ug/l | # | 80 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 3021 | 1.853 | ug/l | | 80 |
| 30) Chloroform | 5.080 | 83 | 1621m | 0.571 | ug/l | | |
| 38) Carbon Tetrachloride | 5.666 | 117 | 1231 | 0.652 | ug/l | | 97 |
| 44) Trichloroethene | 7.117 | 130 | 146402 | 110.301 | ug/l | | 95 |
| 52) Toluene | 8.720 | 92 | 969 | 0.290 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.159 | 97 | 559 | 0.421 | ug/l | # | 83 |
| 68) m/p-Xylenes | 10.305 | 106 | 1159 | 0.484 | ug/l | | 99 |

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

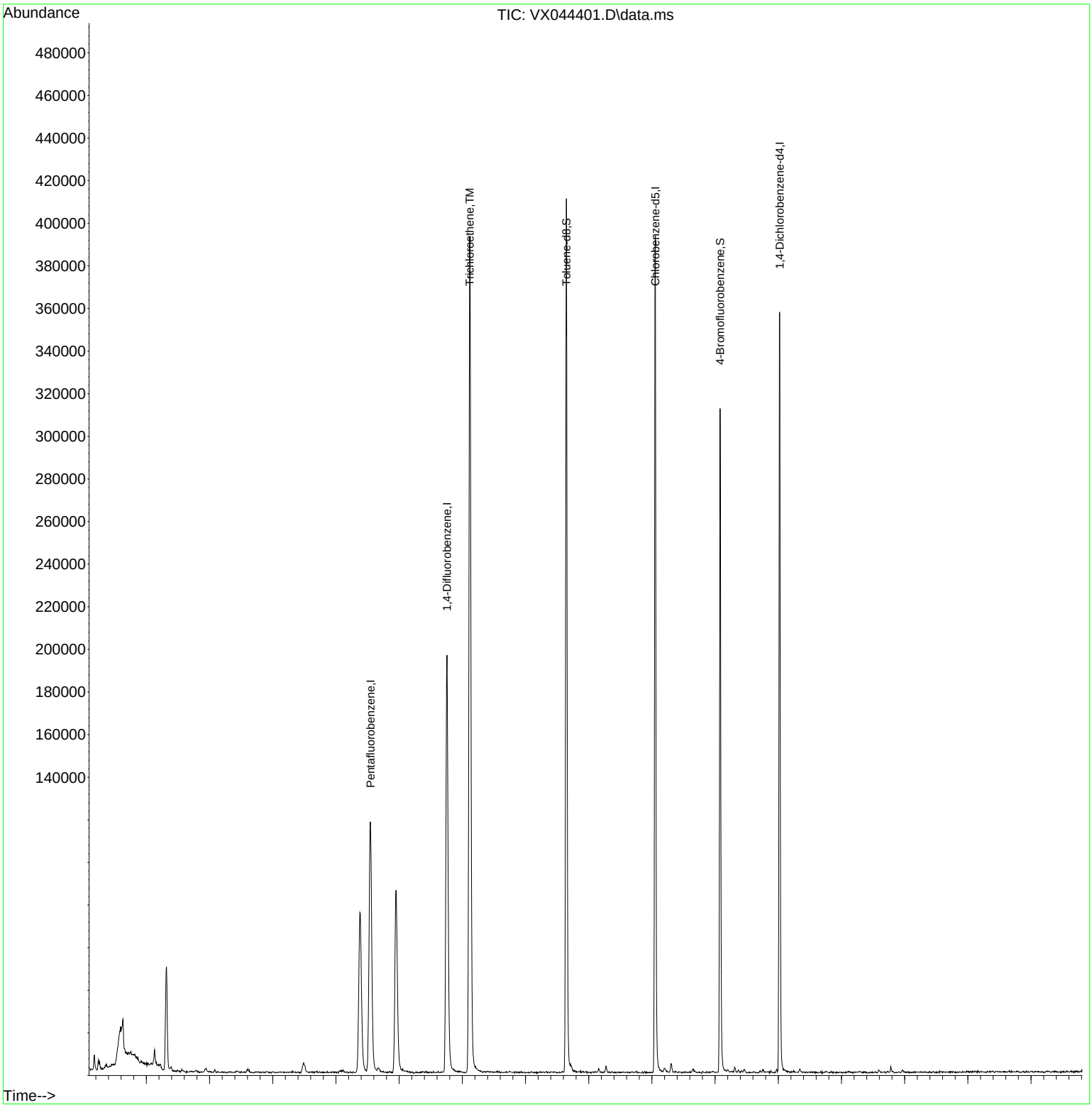
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044401.D
Acq On : 19 Dec 2024 00:13
Operator : JC/MD
Sample : P5317-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

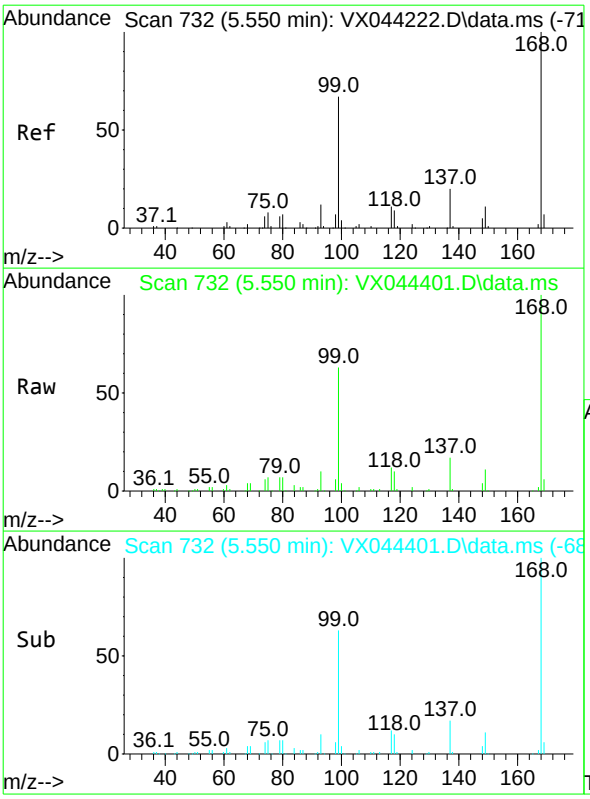
Quant Time: Dec 19 05:06:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

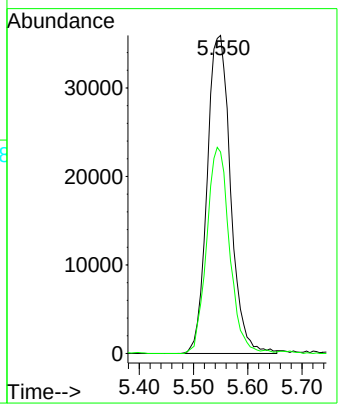
Tgt Ion:168 Resp: 107762

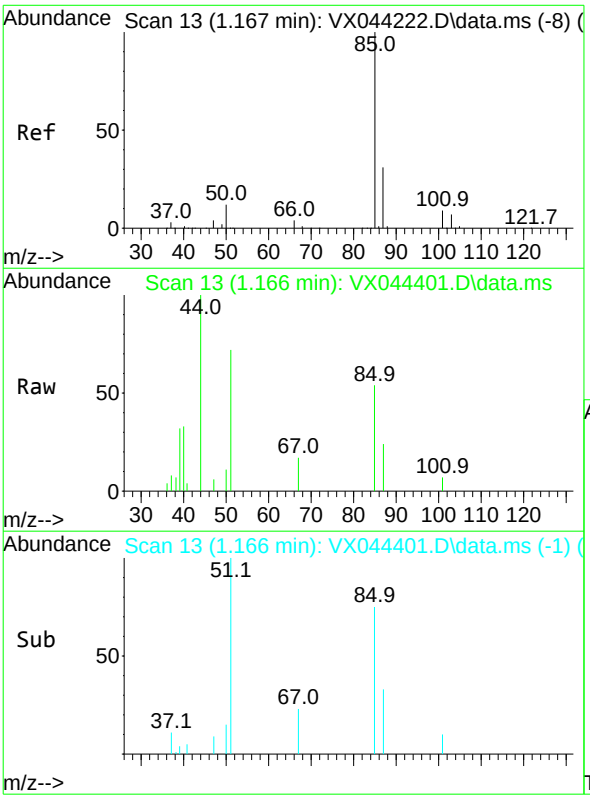
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.4 | 53.4 | 80.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

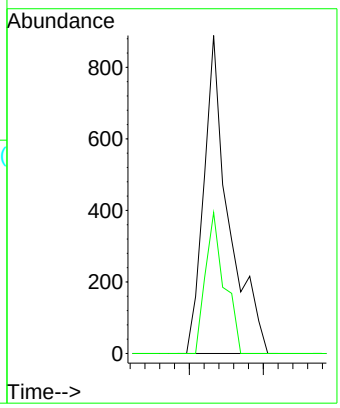


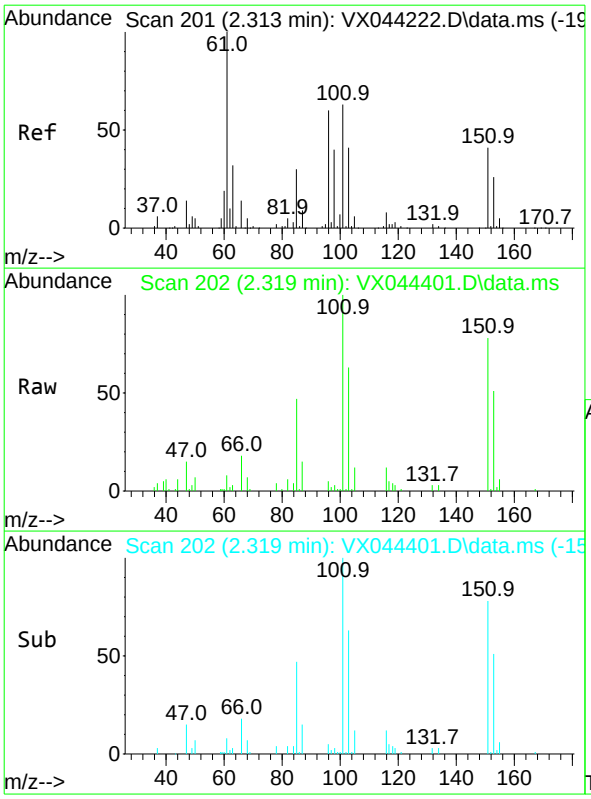




#2
Dichlorodifluoromethane
Concen: 0.618 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 85 Resp: 1030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 44.3 | 15.4 | 46.4 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.116 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

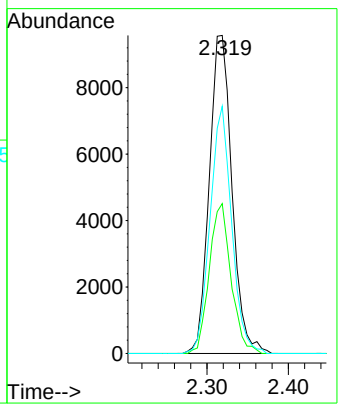
Tgt Ion:101 Resp: 18563

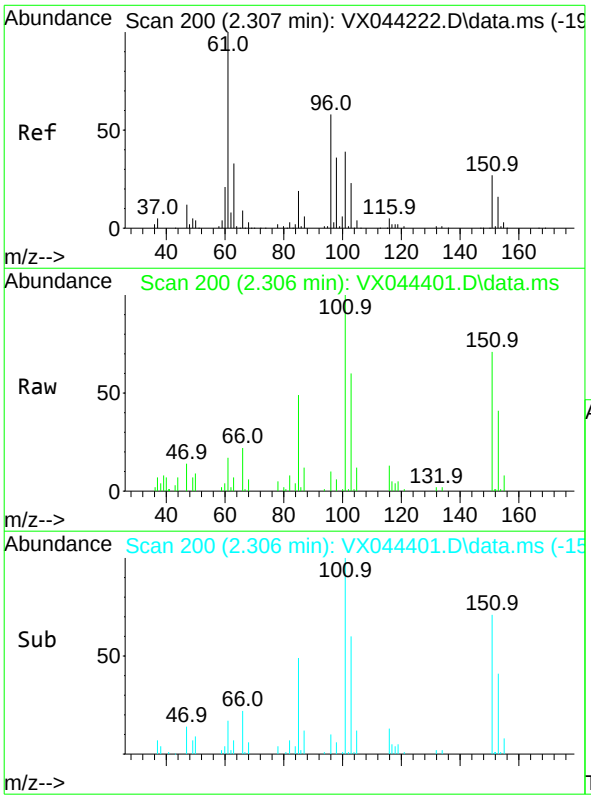
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.1 | 38.5 | 57.7 |
| 151 | 74.0 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

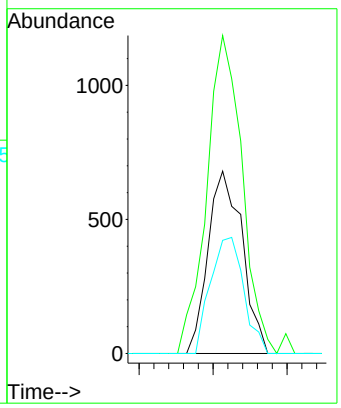


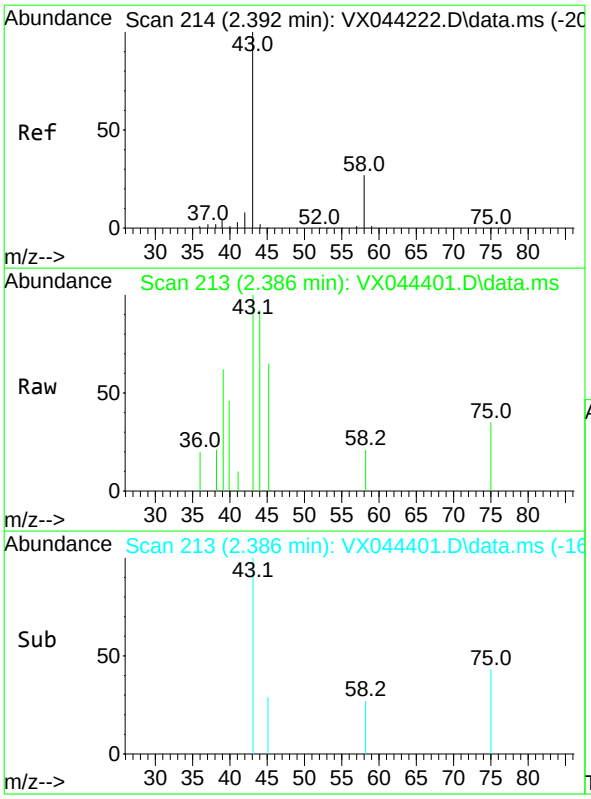




#12
1,1-Dichloroethene
Concen: 0.904 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 96 Resp: 1092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.4 | 138.0 | 207.0 |
| 98 | 62.1 | 50.0 | 75.0 |






#16
Acetone
Concen: 1.733 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

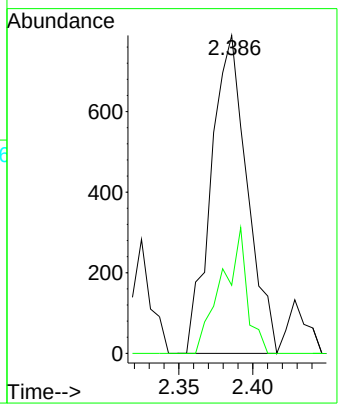
Tgt Ion: 43 Resp: 1335

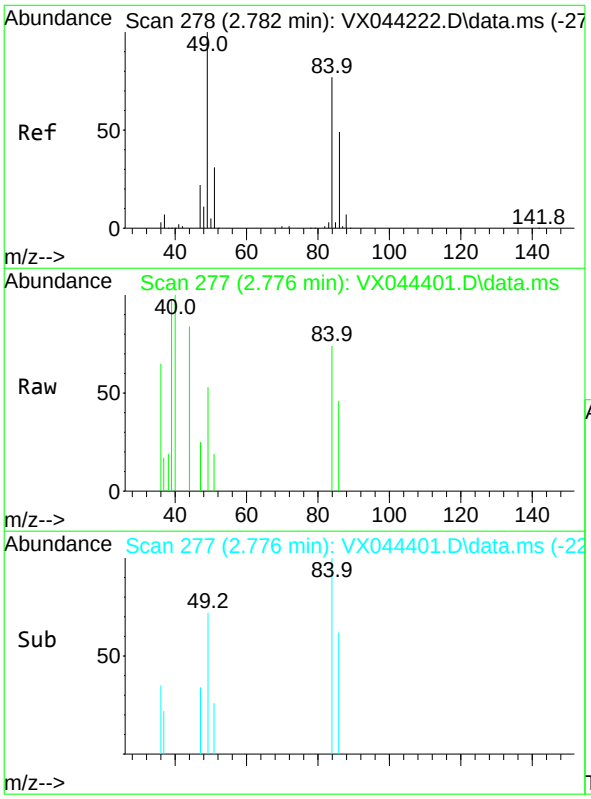
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.4 | 21.6 | 32.4# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

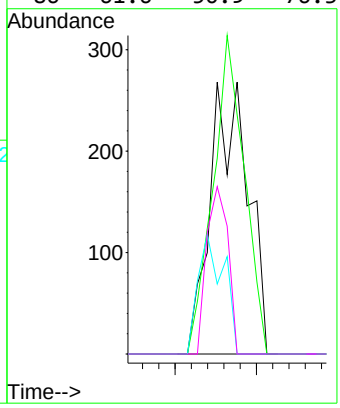


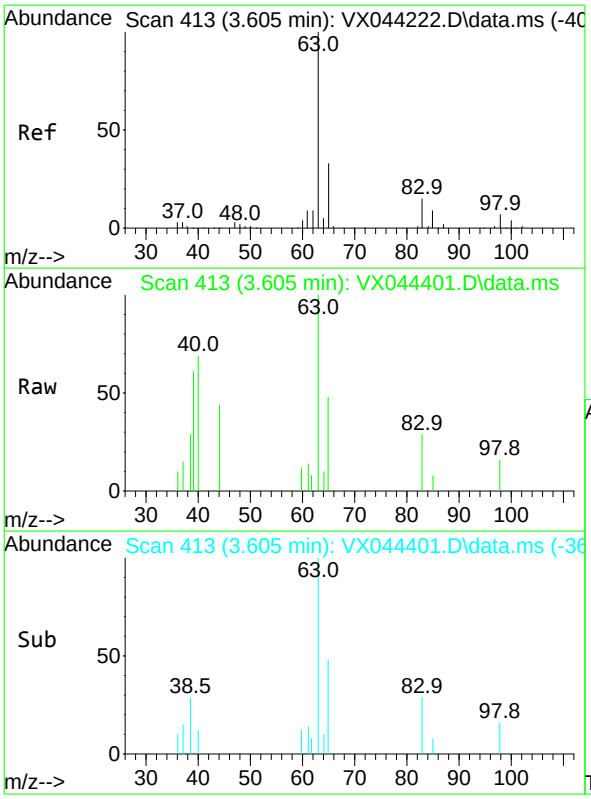




#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 84 Resp: 431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 72.0 | 104.2 | 156.4# |
| 51 | 25.7 | 32.2 | 48.4# |
| 86 | 61.6 | 50.9 | 76.3 |

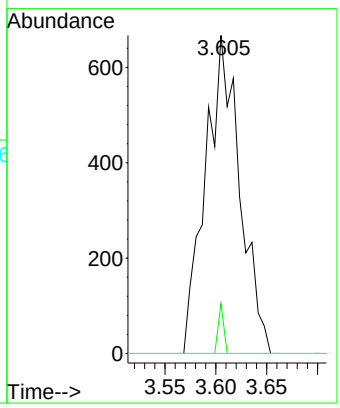





#24
1,1-Dichloroethane
Concen: 0.620 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 63 Resp: 1566

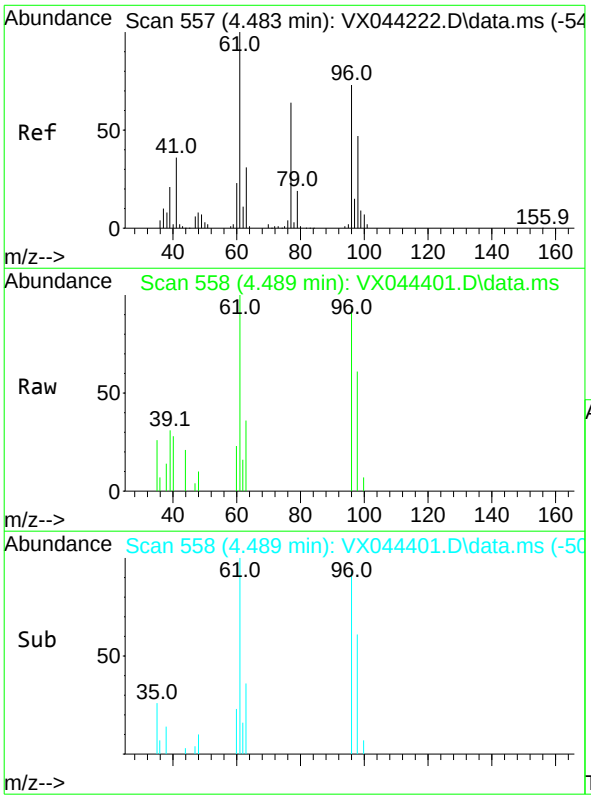
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 15.7 | 3.6 | 10.8# |
| 100 | 0.0 | 2.1 | 6.3# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

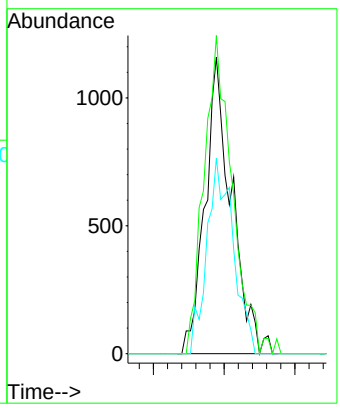
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

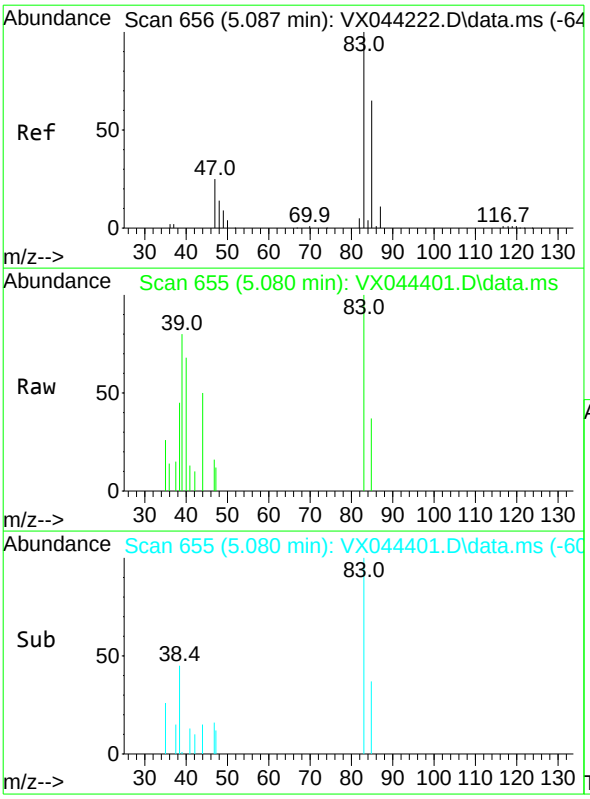



#27
cis-1,2-Dichloroethene
Concen: 1.853 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 96 Resp: 3021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 114.0 | 0.0 | 299.0 |
| 98 | 65.1 | 0.0 | 129.0 |






#30
Chloroform
Concen: 0.571 ug/l m
RT: 5.080 min Scan# 65
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

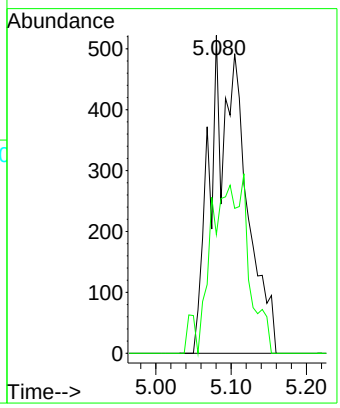
Tgt Ion: 83 Resp: 1621

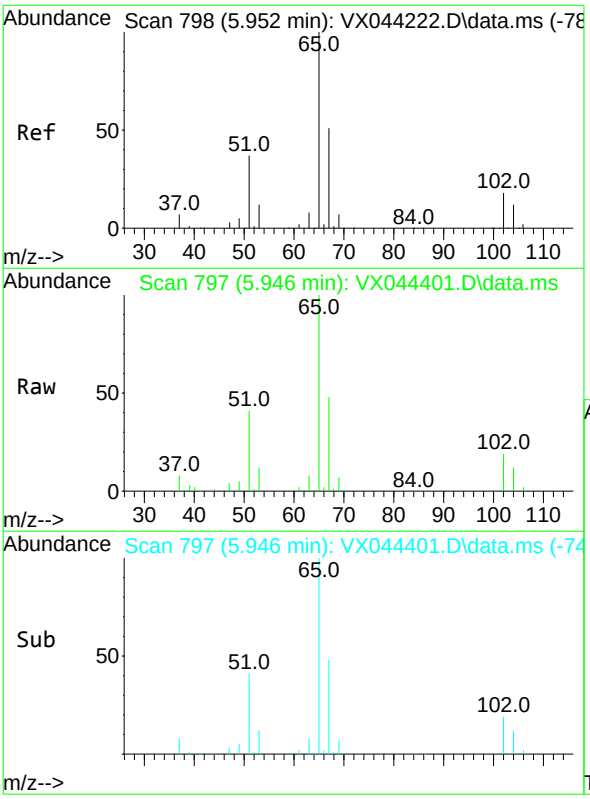
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 37.4 | 51.6 | 77.4# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

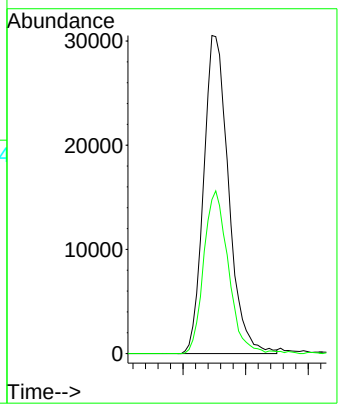


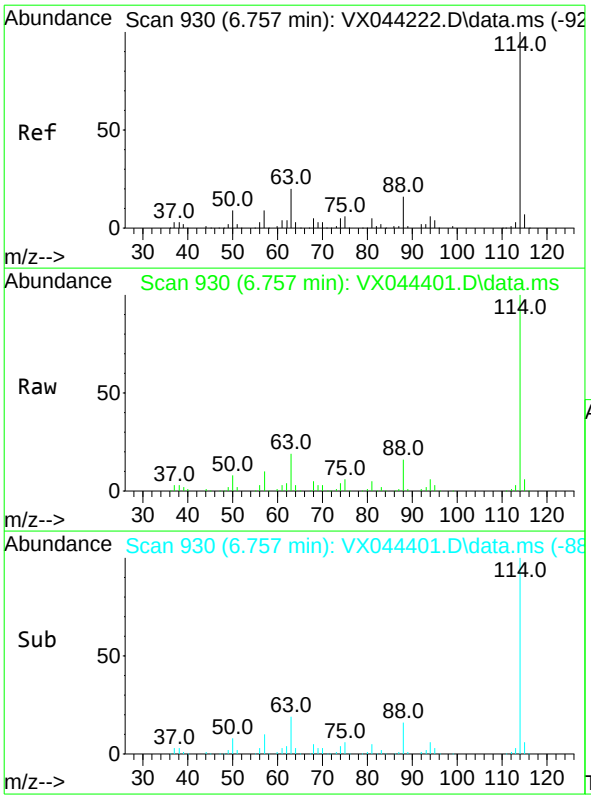




#33
1,2-Dichloroethane-d4
Concen: 44.682 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 65 Resp: 84423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.3 | 0.0 | 101.6 |






#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

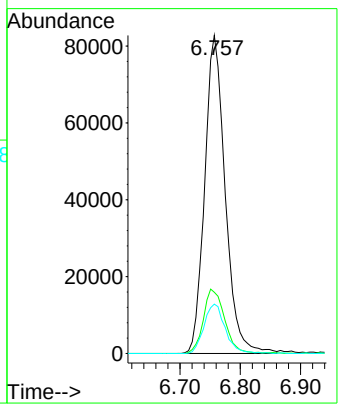
Tgt Ion:114 Resp: 195811

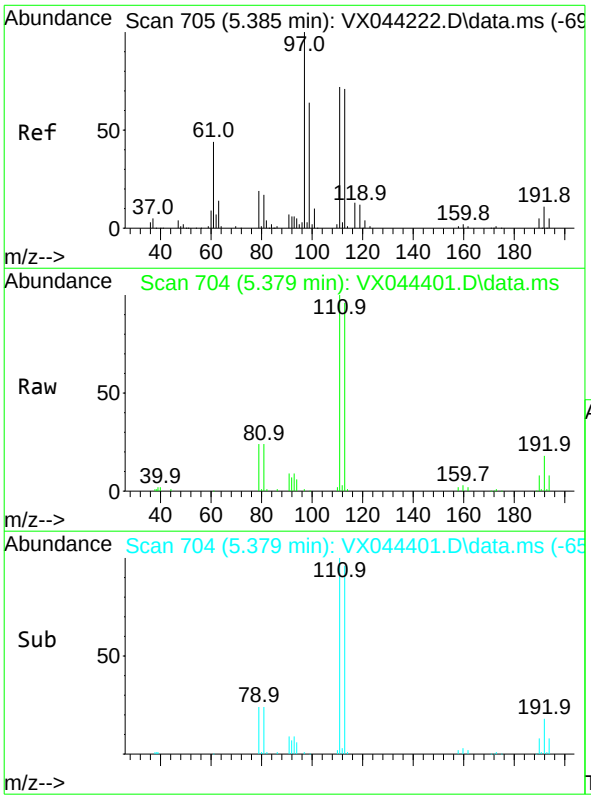
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 40.6 |
| 88 | 15.5 | 0.0 | 31.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

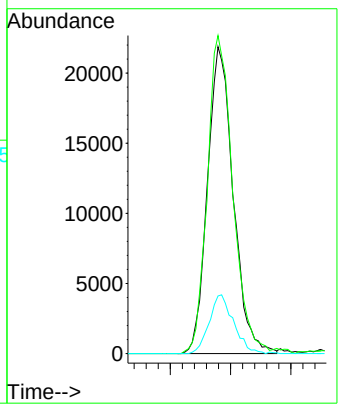


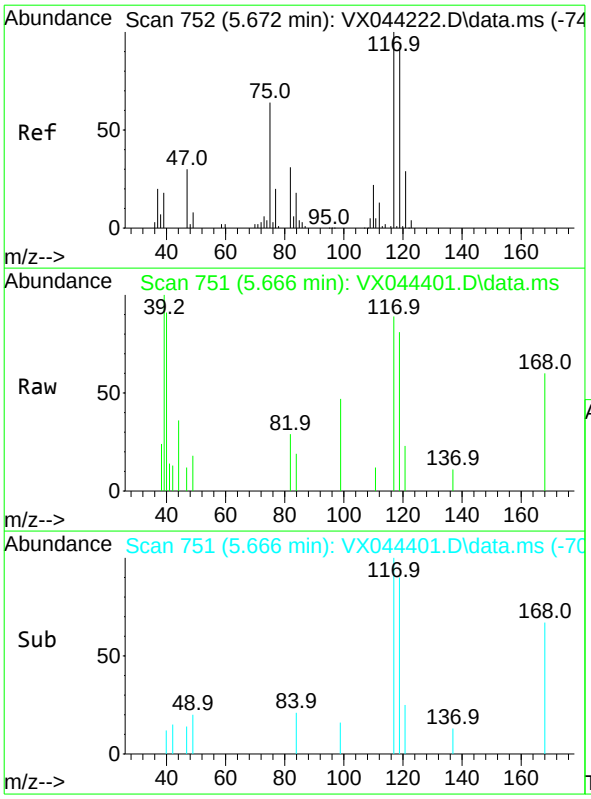




#35
Dibromofluoromethane
Concen: 47.877 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:113 Resp: 64929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 80.4 | 120.6 |
| 192 | 18.1 | 13.3 | 19.9 |

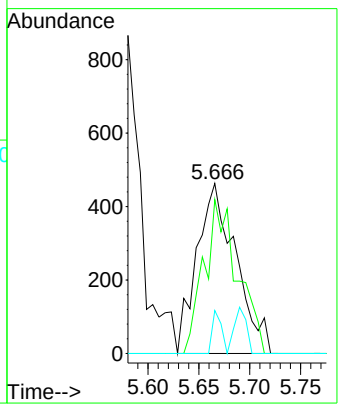





#38
Carbon Tetrachloride
Concen: 0.652 ug/l
RT: 5.666 min Scan# 75
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:117 Resp: 1231

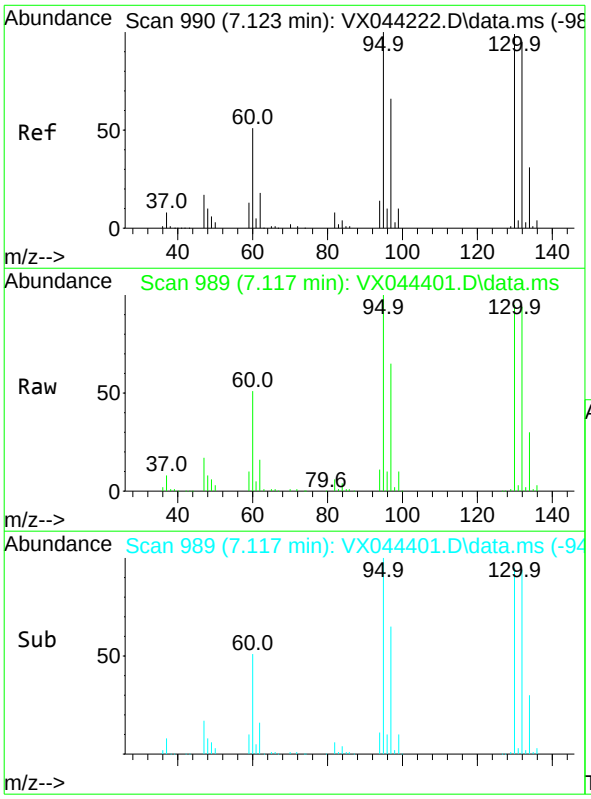
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.5 | 74.2 | 111.4 |
| 121 | 25.3 | 23.0 | 34.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

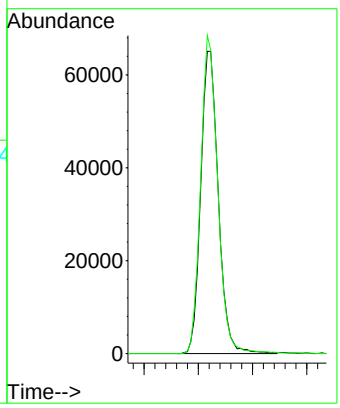
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

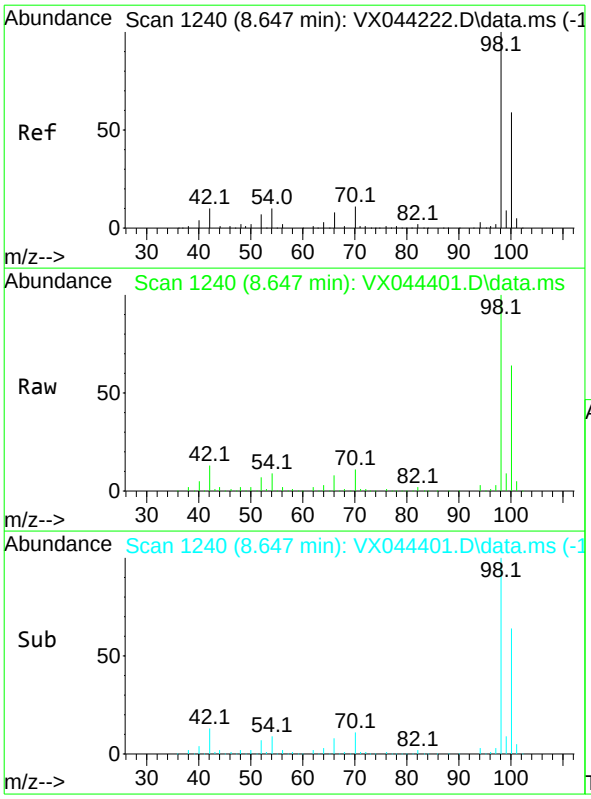



#44
Trichloroethene
Concen: 110.301 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:130 Resp: 146402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 105.2 | 0.0 | 201.4 |






#50
Toluene-d8
Concen: 53.120 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

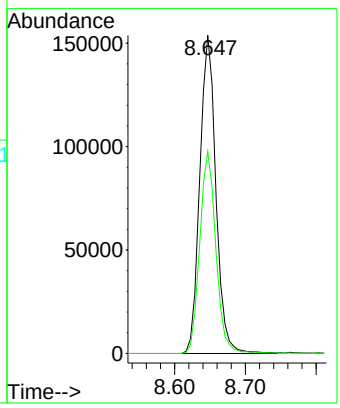
Tgt Ion: 98 Resp: 243041

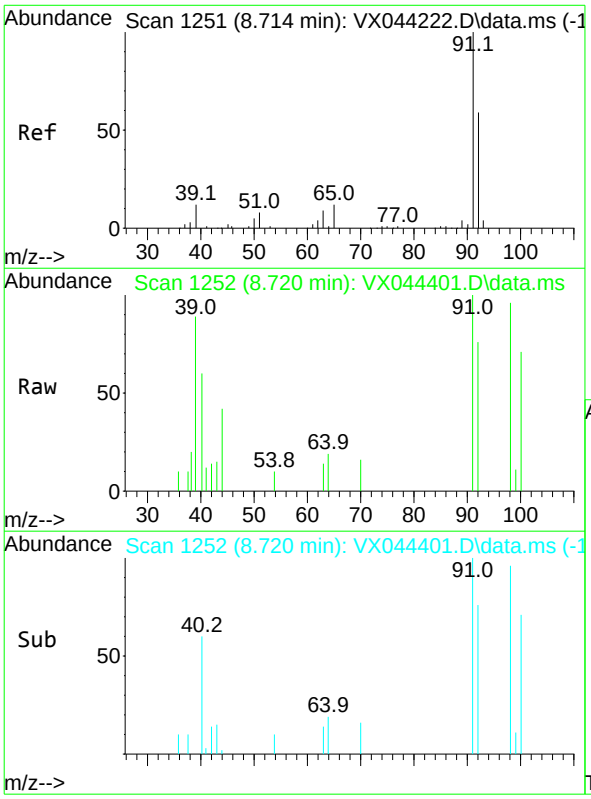
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 51.5 | 77.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

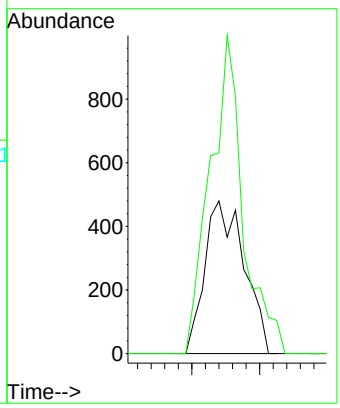


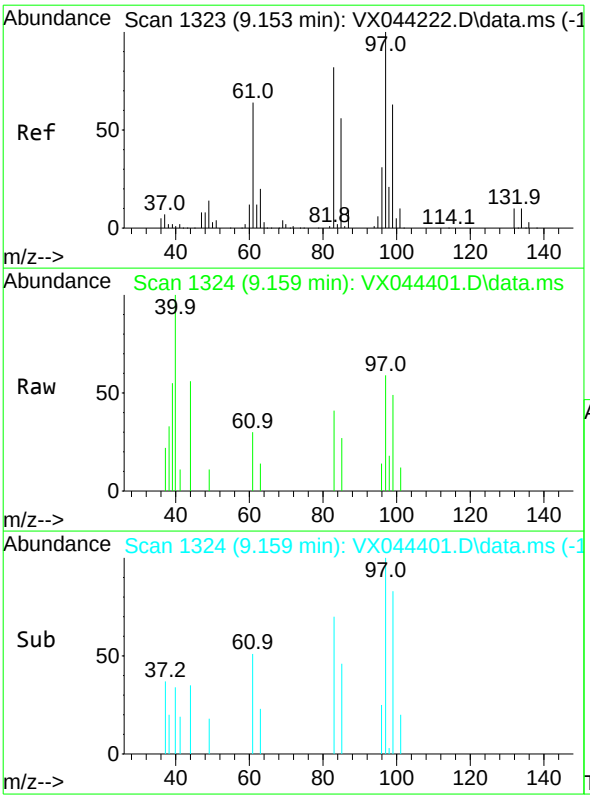




#52
Toluene
Concen: 0.290 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 92 Resp: 969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.4 | 137.0 | 205.6 |

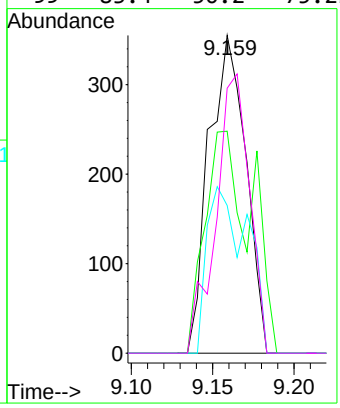





#55
1,1,2-Trichloroethane
Concen: 0.421 ug/l
RT: 9.159 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 97 Resp: 559

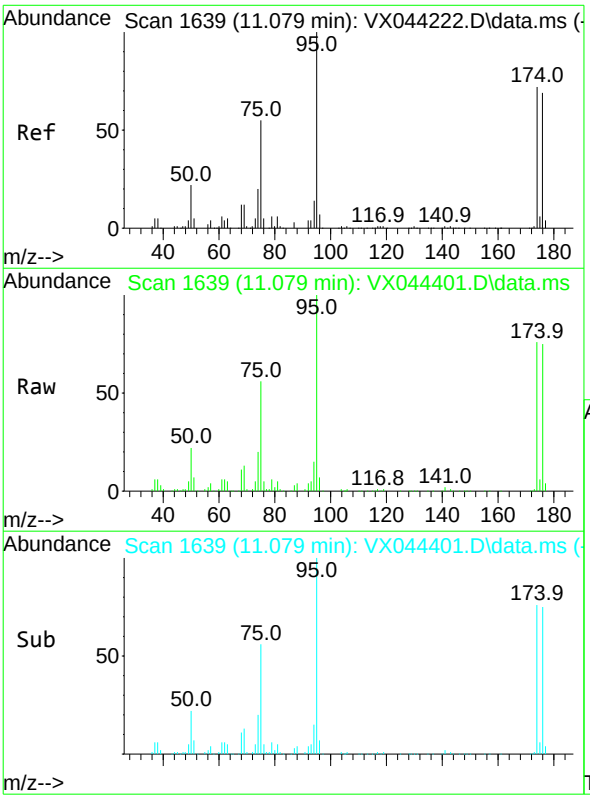
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 69.9 | 65.3 | 97.9 |
| 85 | 46.5 | 44.6 | 67.0 |
| 99 | 83.4 | 50.2 | 75.2# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

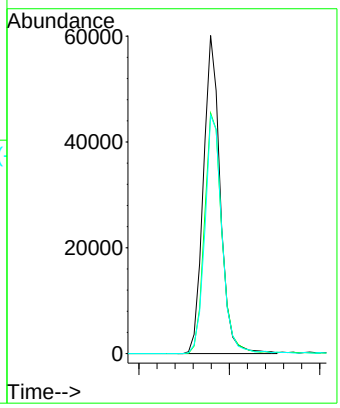
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

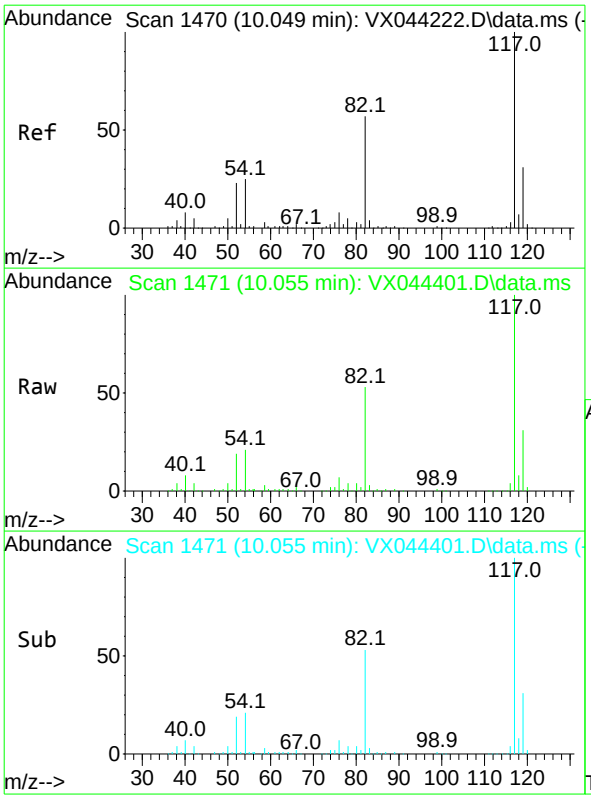



#62
4-Bromofluorobenzene
Concen: 48.665 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 95 Resp: 77802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.4 | 0.0 | 145.8 |
| 176 | 76.2 | 0.0 | 137.8 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

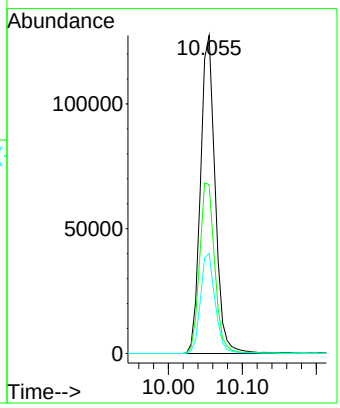
Tgt Ion:117 Resp: 176405

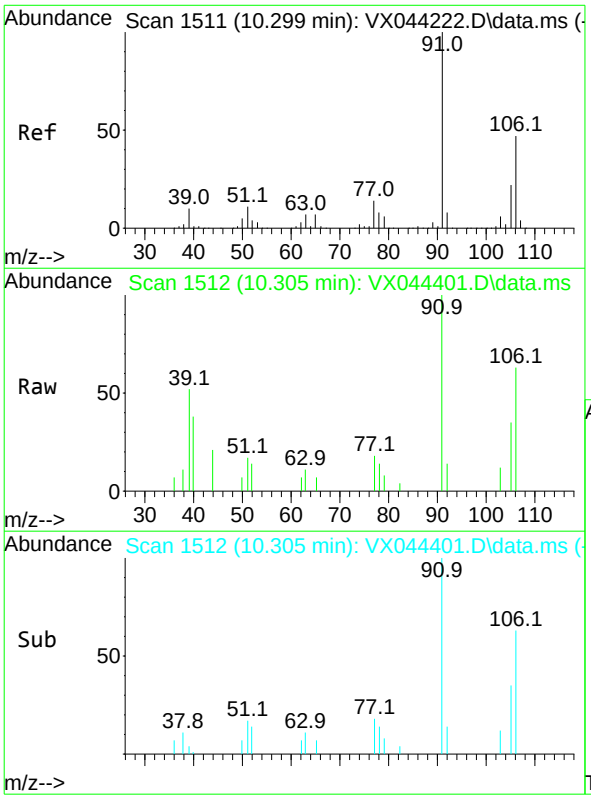
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.1 | 45.8 | 68.8 |
| 119 | 31.4 | 25.0 | 37.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

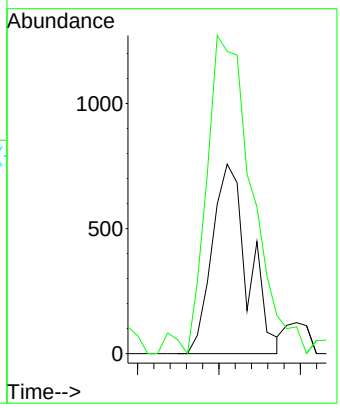


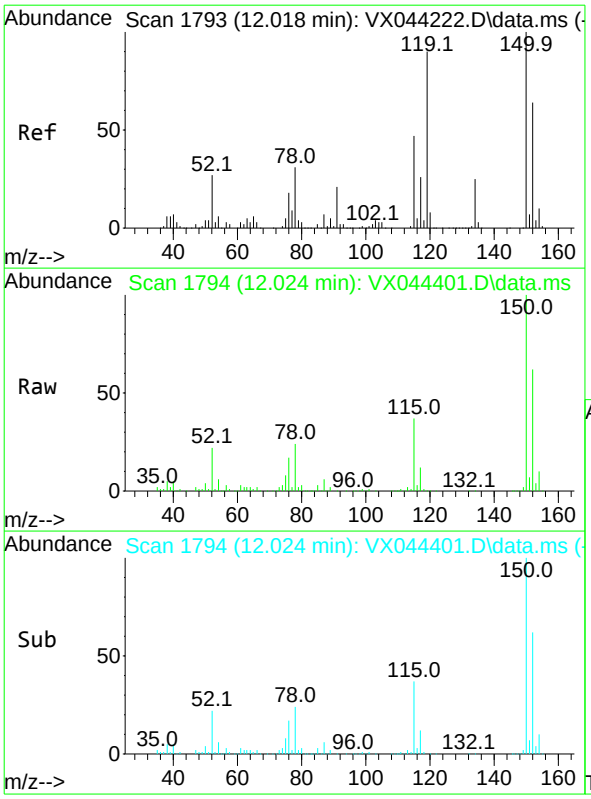




#68
m/p-Xylenes
Concen: 0.484 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:106 Resp: 1159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.6 | 170.2 | 255.2 |

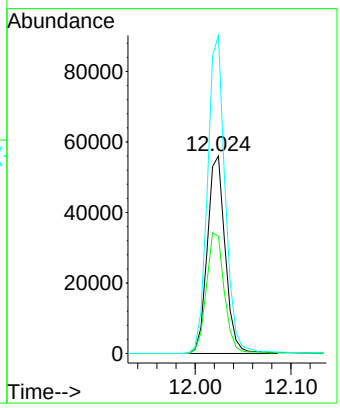





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:152 Resp: 72683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.9 | 44.5 | 133.3 |
| 150 | 159.9 | 0.0 | 353.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW4-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044402.D | 1 | | 12/19/24 00:37 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 10.3 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1.10 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 2.30 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.55 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.20 | | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.34 | J | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 510 | E | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044402.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW4-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044402.D | 1 | | 12/19/24 00:37 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.34 | J | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 6.80 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.4 | | 81 - 118 | | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.6 | | 80 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.2 | | 89 - 112 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.5 | | 85 - 114 | | 93% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 109000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 200000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 173000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 70200 | 12.024 | | | | |

Raw Data: **VX044402.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW4-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044402.D | 1 | | 12/19/24 00:37 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT/LSC Reviewed)

Sample Results: **VX044402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044402.D
Acq On : 19 Dec 2024 00:37
Operator : JC/MD
Sample : P5317-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Quant Time: Dec 19 05:07:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

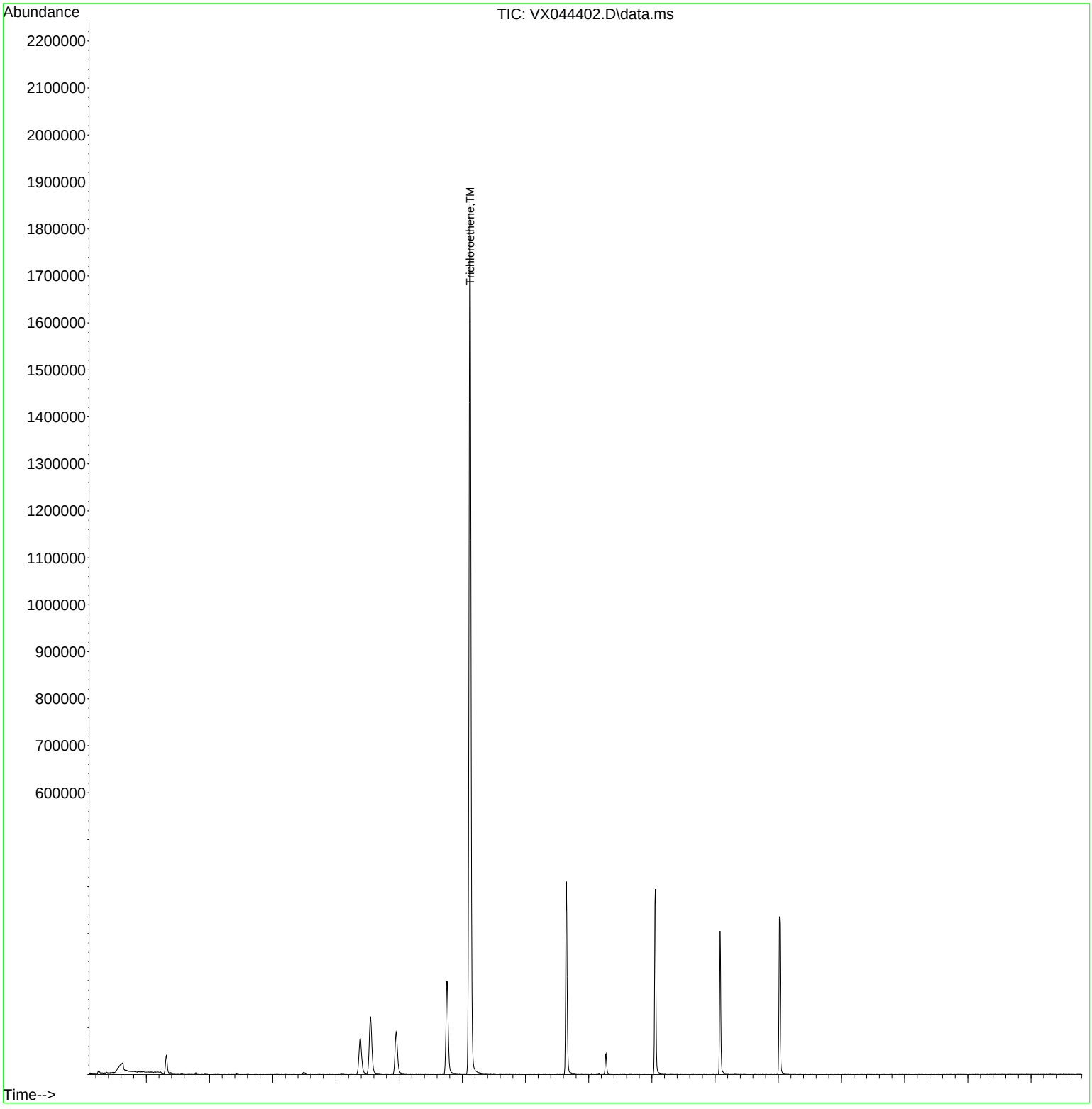
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 108595 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 199832 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 172545 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 70176 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 88339 | 46.396 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 92.800% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 65937 | 47.642 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.280% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 239168 | 51.222 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.440% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 75829 | 46.476 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 92.960% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.294 | 50 | 501 | 0.312 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 13698 | 10.336 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 1397 | 1.148 | ug/l | 82 |
| 16) Acetone | 2.386 | 43 | 1776 | 2.288 | ug/l # | 86 |
| 20) Methylene Chloride | 2.788 | 84 | 800 | 0.549 | ug/l # | 81 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 2032 | 1.237 | ug/l | 74 |
| 30) Chloroform | 5.099 | 83 | 968 | 0.339 | ug/l # | 57 |
| 44) Trichloroethene | 7.123 | 130 | 694778 | 512.923 | ug/l | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 465 | 0.343 | ug/l # | 58 |
| 64) Tetrachloroethene | 9.275 | 164 | 7782 | 6.795 | ug/l | 98 |

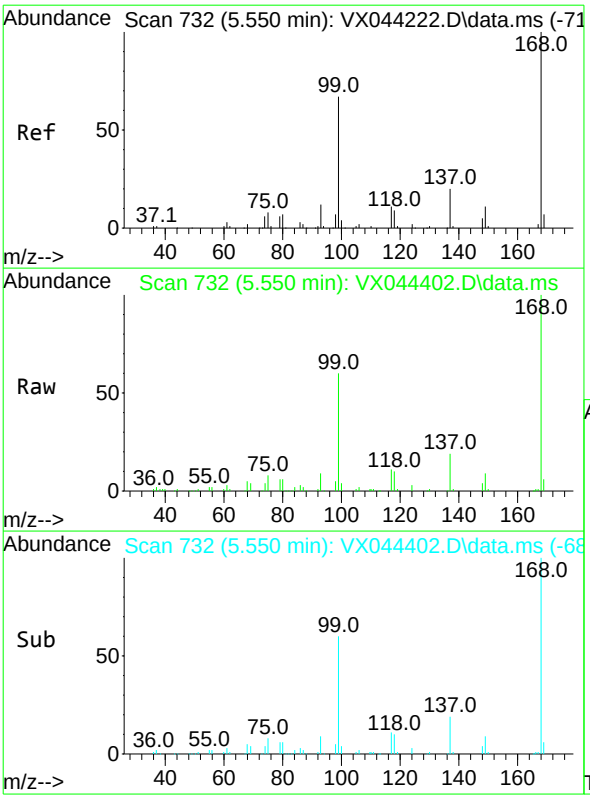
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044402.D
Acq On : 19 Dec 2024 00:37
Operator : JC/MD
Sample : P5317-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Quant Time: Dec 19 05:07:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



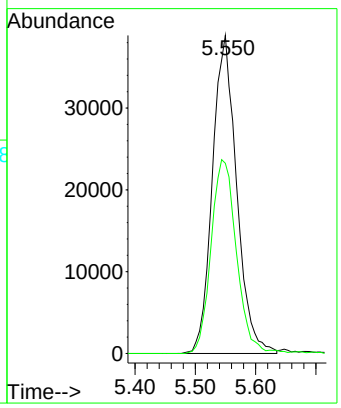


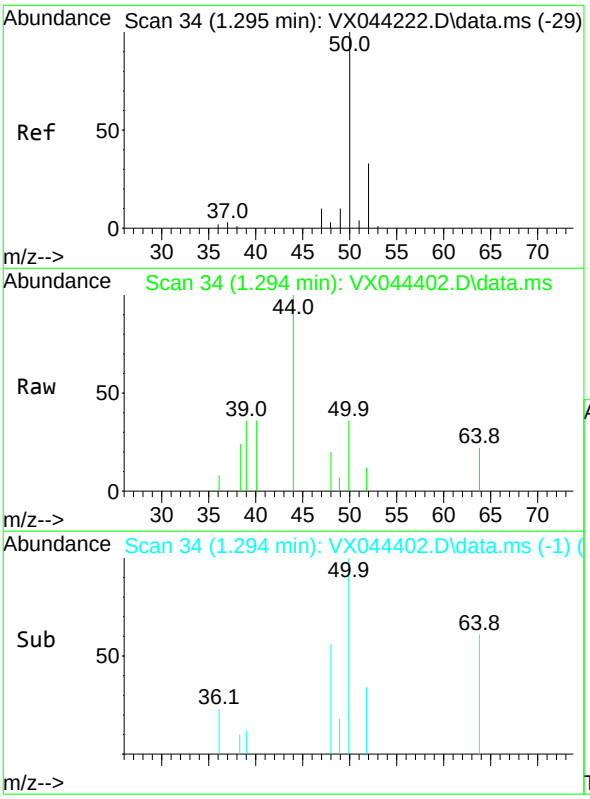

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Tgt Ion:168 Resp: 108595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 53.4 | 80.0 |

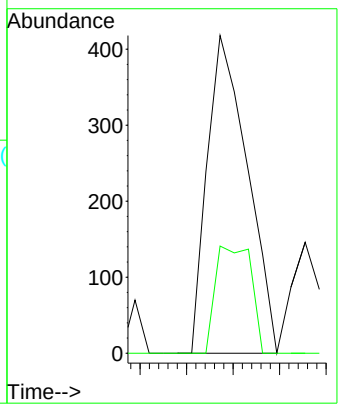


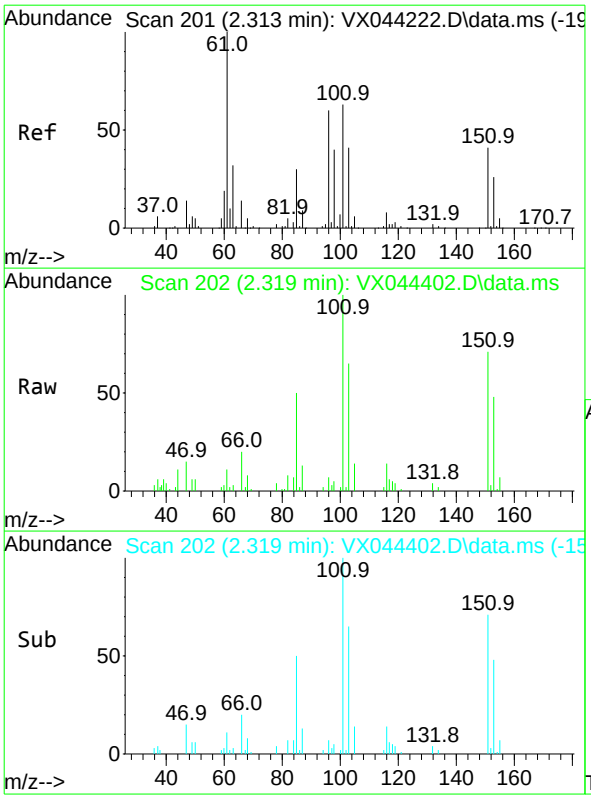




#3
Chloromethane
Concen: 0.312 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 50 Resp: 501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.7 | 26.5 | 39.7 |



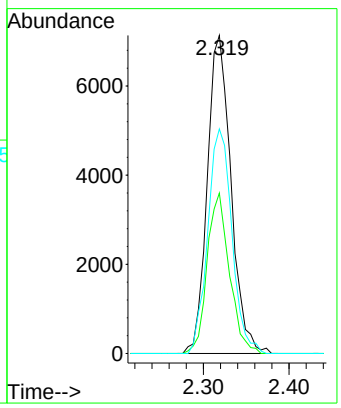


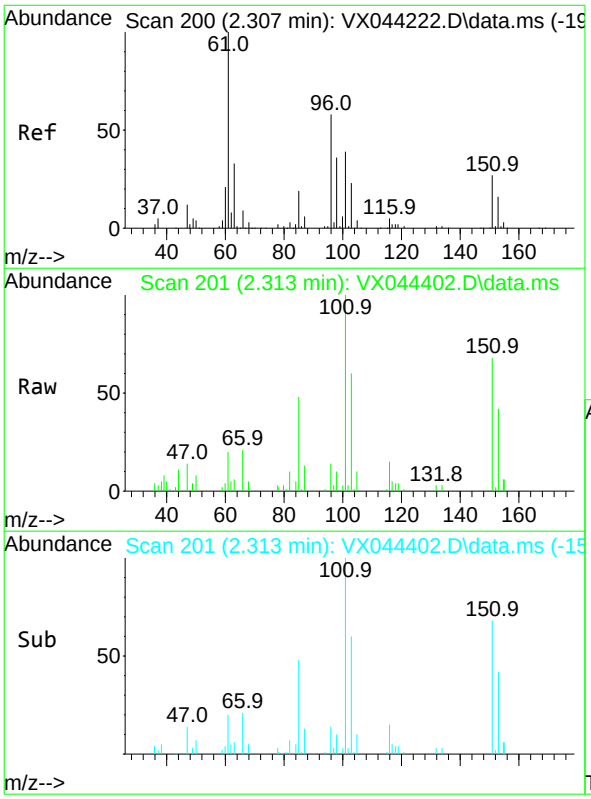

#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.336 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Tgt Ion:101 Resp: 13698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.4 | 38.5 | 57.7 |
| 151 | 72.2 | 55.8 | 83.6 |

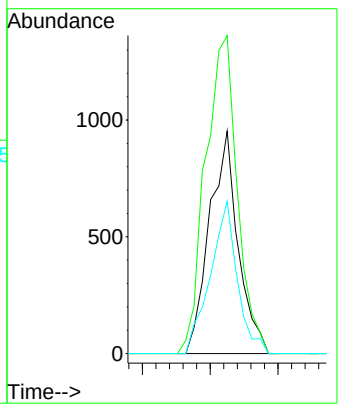


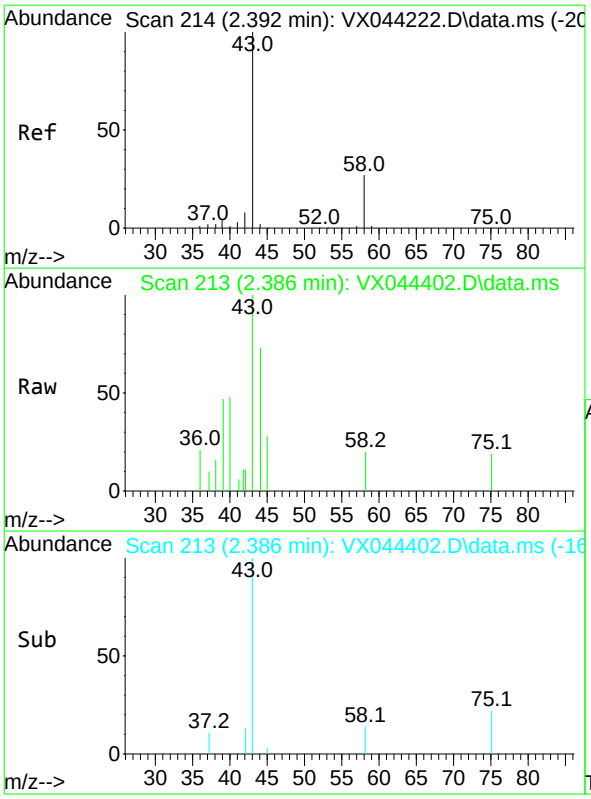




#12
1,1-Dichloroethene
Concen: 1.148 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 96 Resp: 1397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.9 | 138.0 | 207.0 |
| 98 | 68.4 | 50.0 | 75.0 |



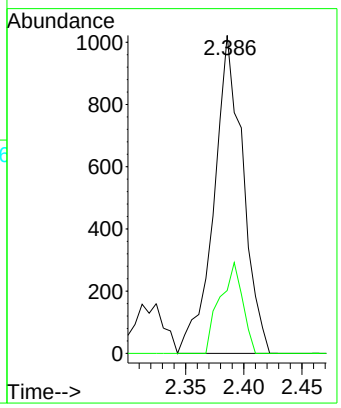


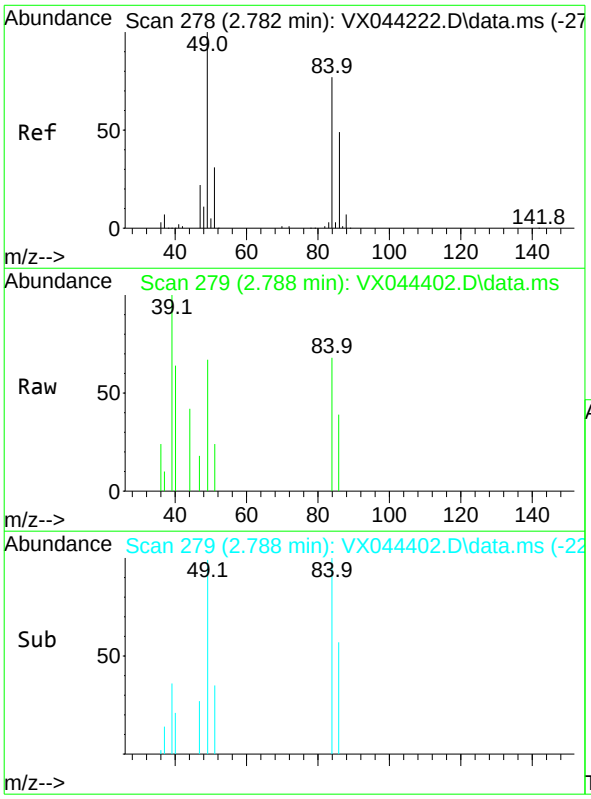

#16
Acetone
Concen: 2.288 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Tgt Ion: 43 Resp: 1776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.8 | 21.6 | 32.4# |

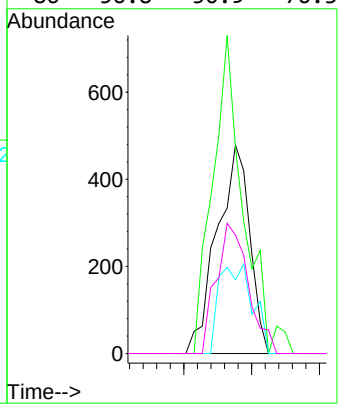


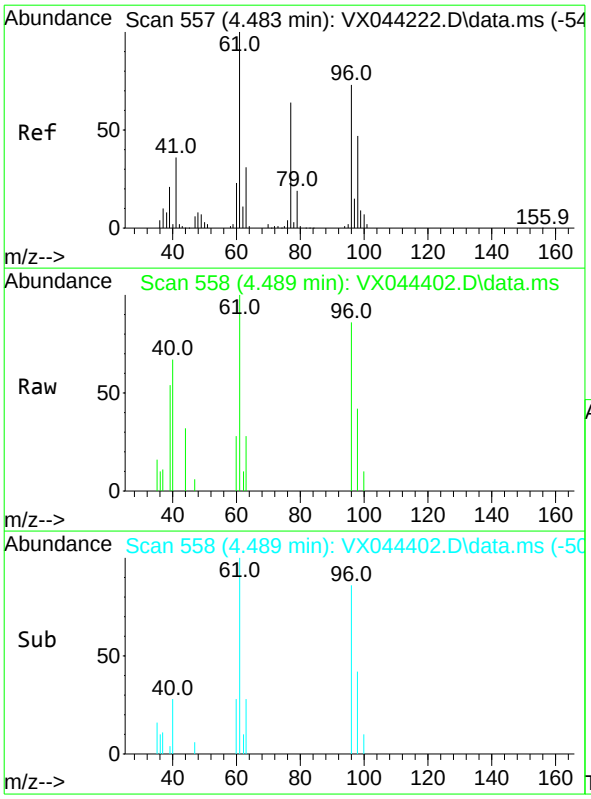




#20
Methylene Chloride
Concen: 0.549 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 84 Resp: 800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 98.7 | 104.2 | 156.4# |
| 51 | 35.3 | 32.2 | 48.4 |
| 86 | 56.8 | 50.9 | 76.3 |



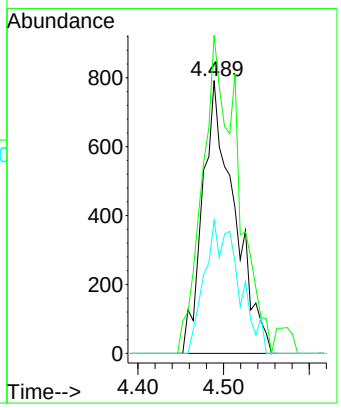


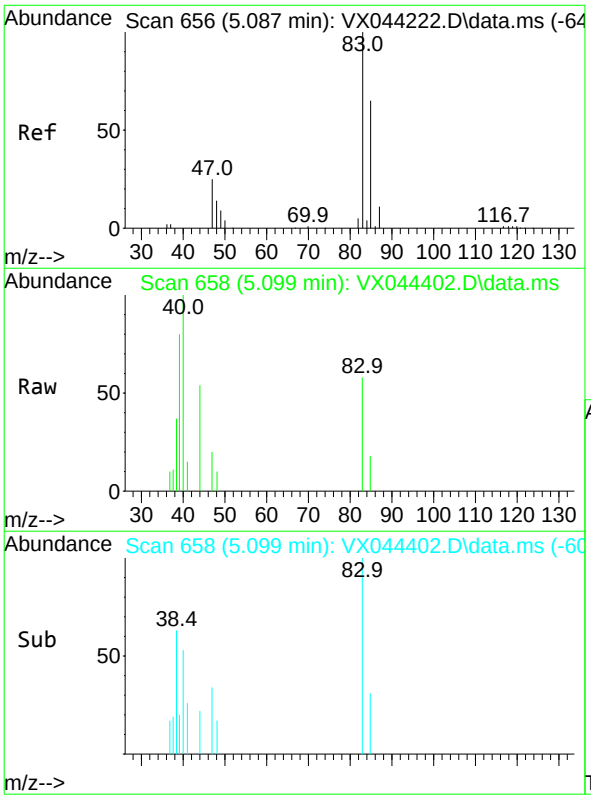

#27
cis-1,2-Dichloroethene
Concen: 1.237 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Tgt Ion: 96 Resp: 2032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.3 | 0.0 | 299.0 |
| 98 | 24.6 | 0.0 | 129.0 |

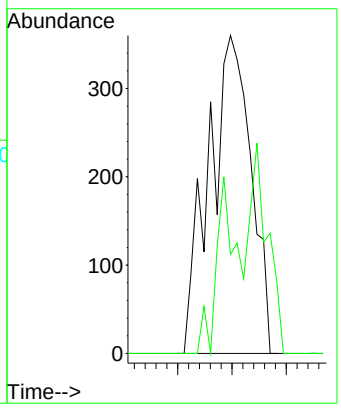


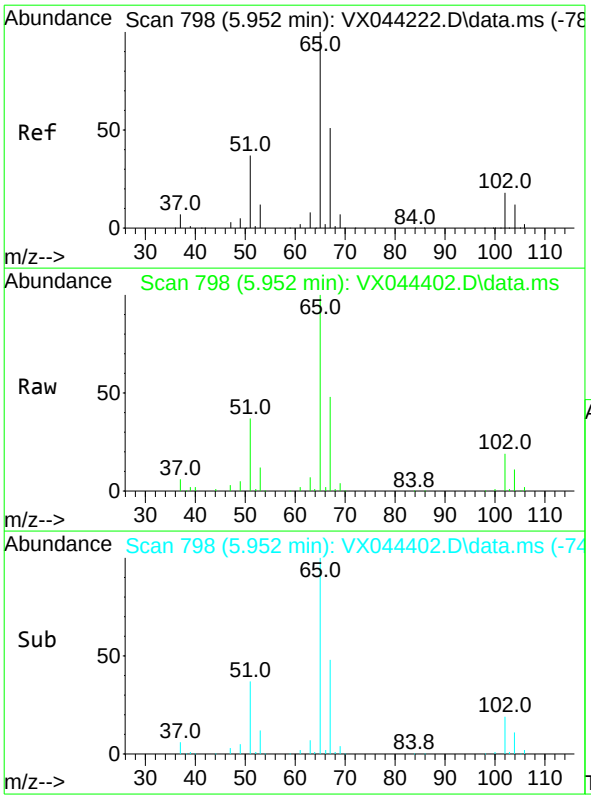




#30
Chloroform
Concen: 0.339 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 83 Resp: 968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 31.1 | 51.6 | 77.4# |



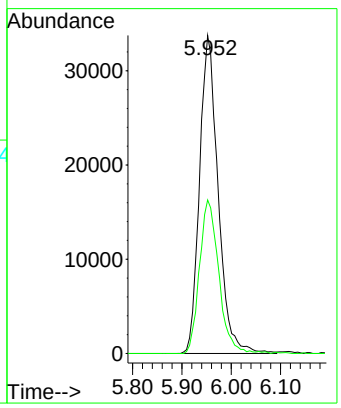


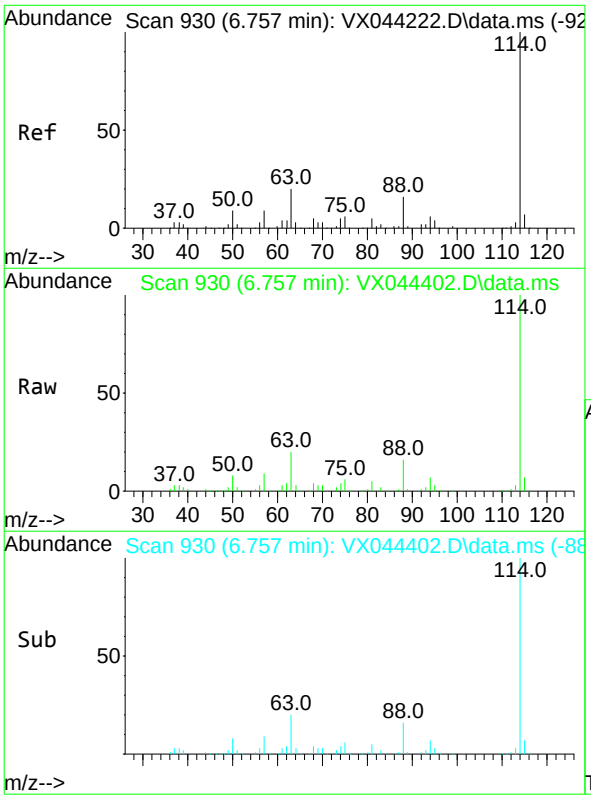

#33
1,2-Dichloroethane-d4
Concen: 46.396 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Tgt Ion: 65 Resp: 88339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.9 | 0.0 | 101.6 |

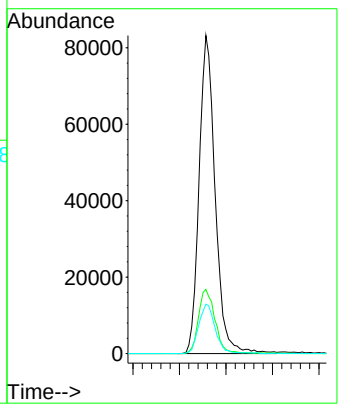


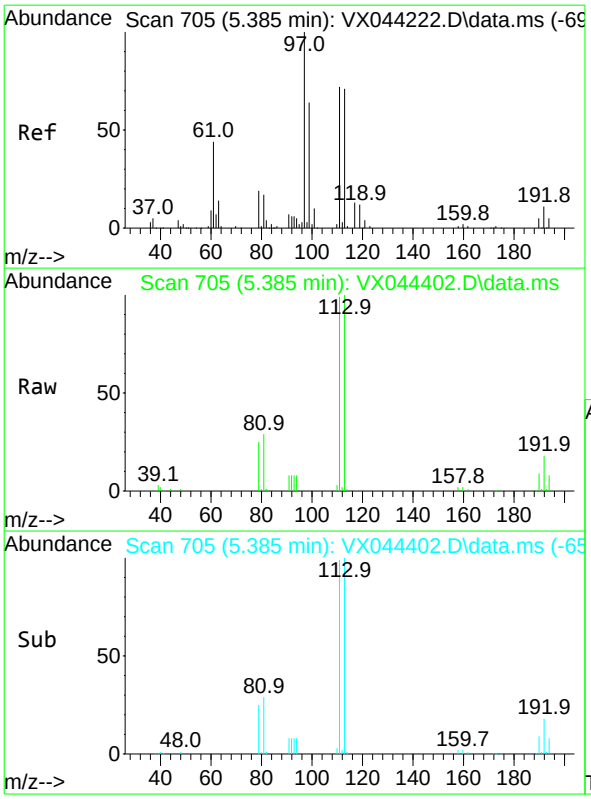




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion:114 Resp: 199832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 40.6 |
| 88 | 15.5 | 0.0 | 31.8 |



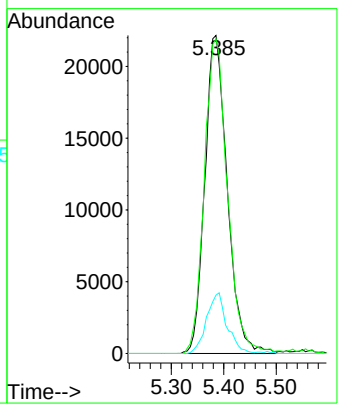


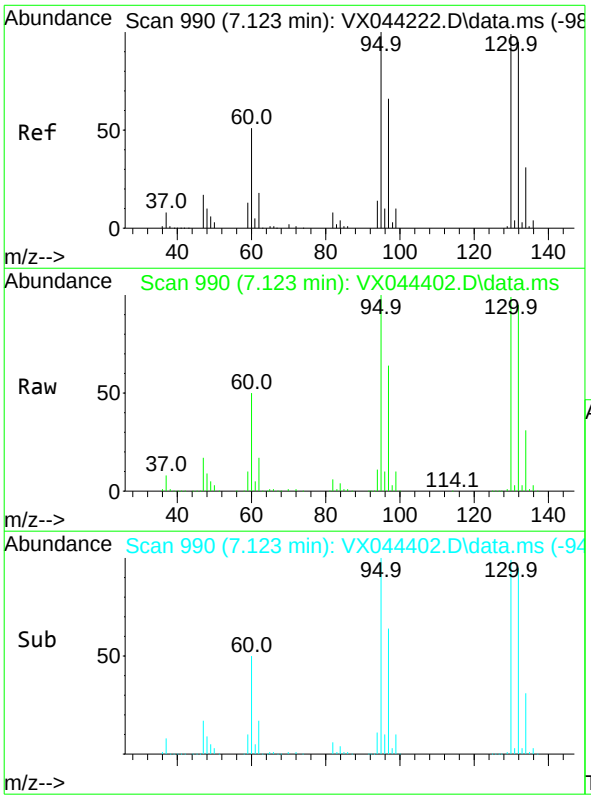

#35
Dibromofluoromethane
Concen: 47.642 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Tgt Ion:113 Resp: 65937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 80.4 | 120.6 |
| 192 | 17.3 | 13.3 | 19.9 |

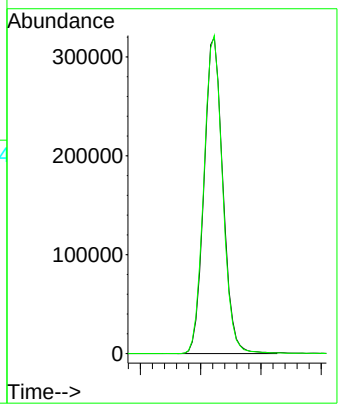


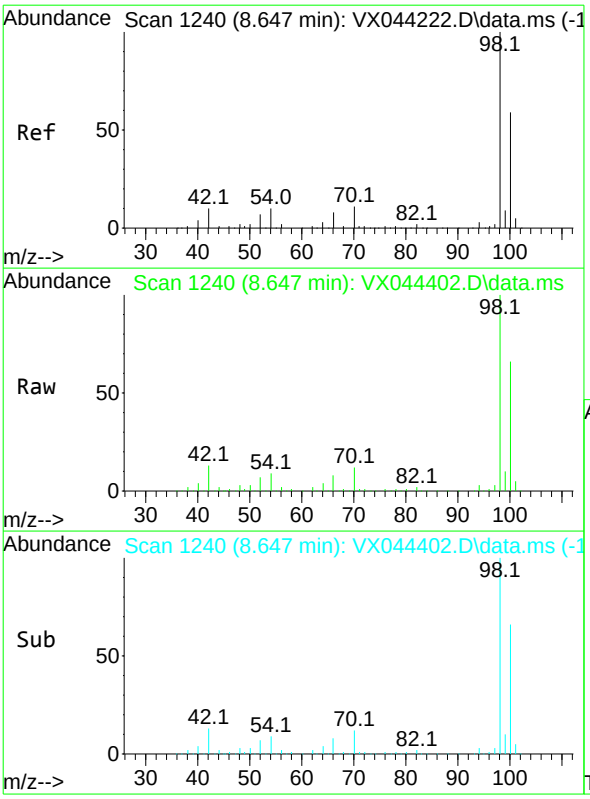




#44
Trichloroethene
Concen: 512.923 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion:130 Resp: 694778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.6 | 0.0 | 201.4 |



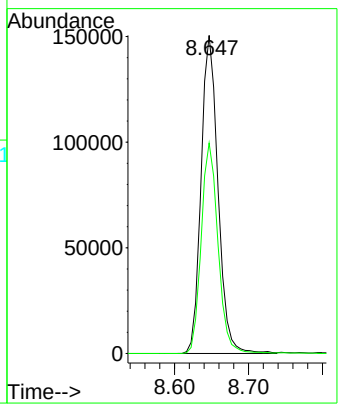


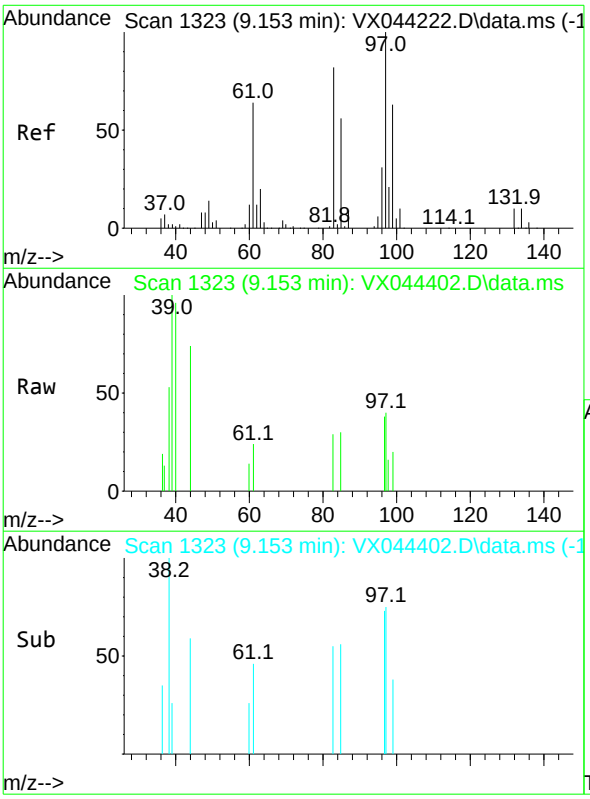

#50
Toluene-d8
Concen: 51.222 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Tgt Ion: 98 Resp: 239168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.6 | 51.5 | 77.3 |

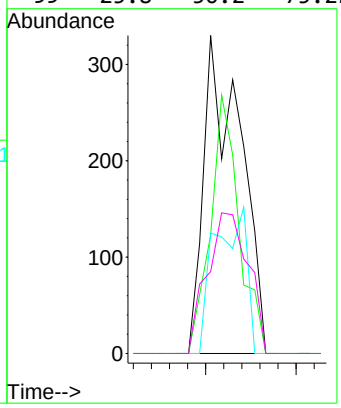


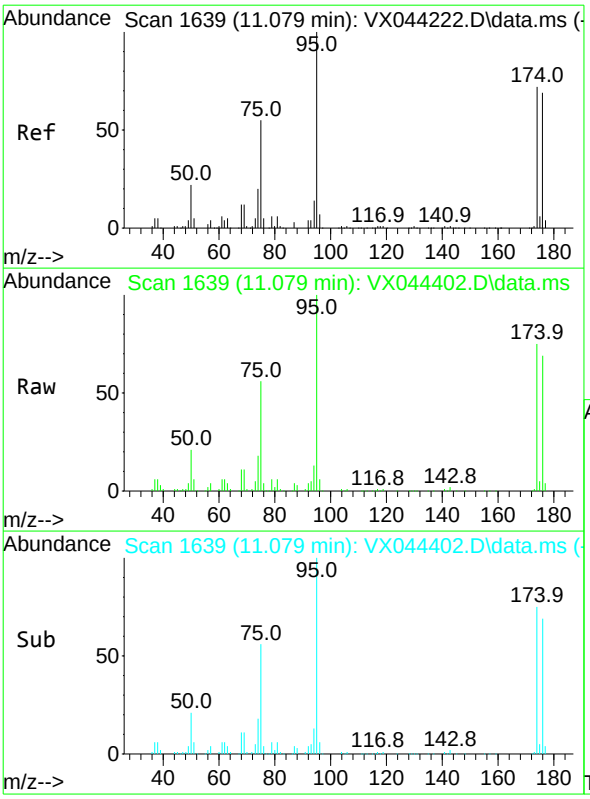




#55
1,1,2-Trichloroethane
Concen: 0.343 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 97 Resp: 465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 37.3 | 65.3 | 97.9# |
| 85 | 37.9 | 44.6 | 67.0# |
| 99 | 25.8 | 50.2 | 75.2# |



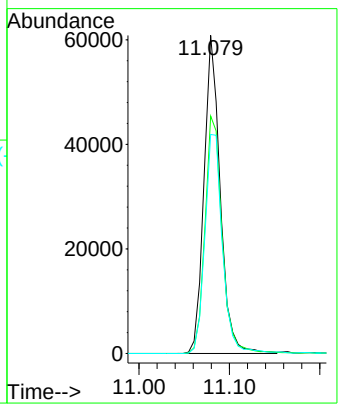


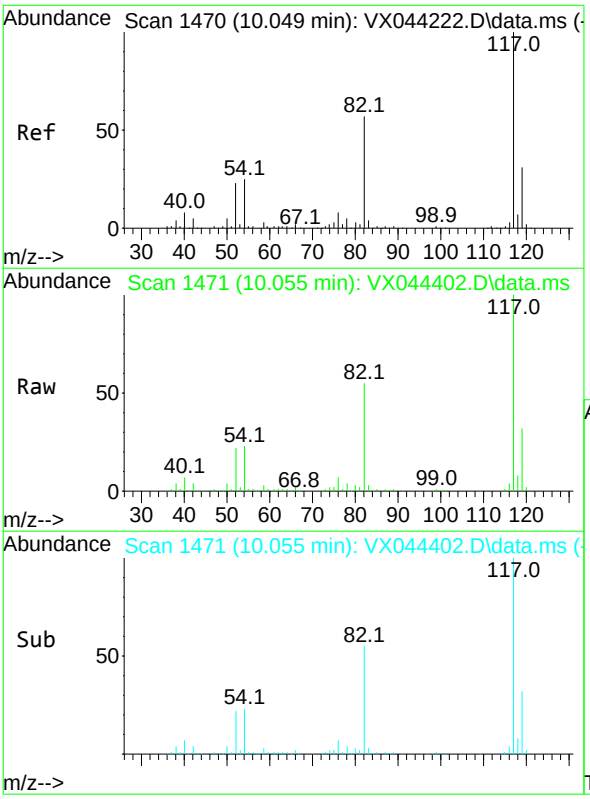

#62
4-Bromofluorobenzene
Concen: 46.476 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Tgt Ion: 95 Resp: 75829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.8 | 0.0 | 145.8 |
| 176 | 74.9 | 0.0 | 137.8 |

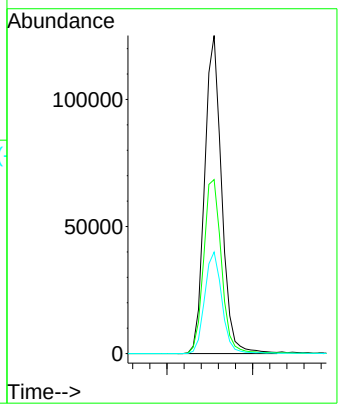


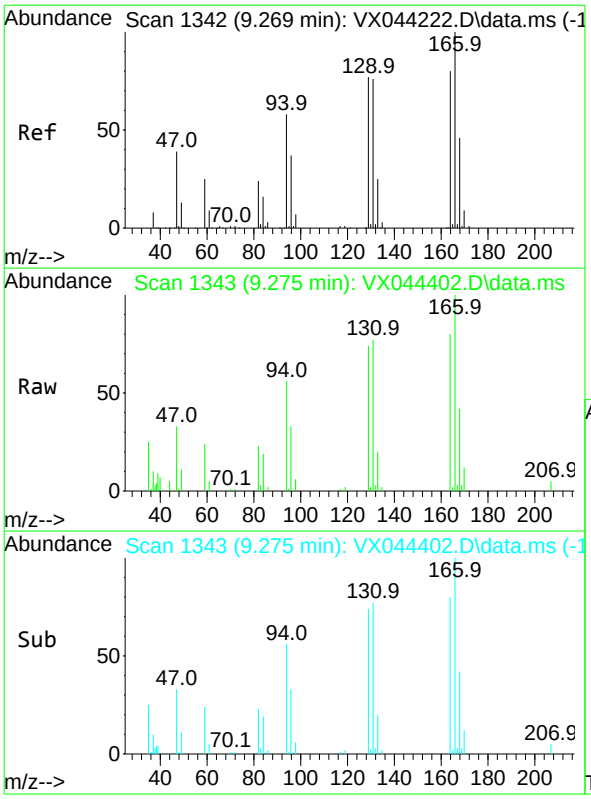




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion:117 Resp: 172545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.7 | 45.8 | 68.8 |
| 119 | 31.9 | 25.0 | 37.4 |



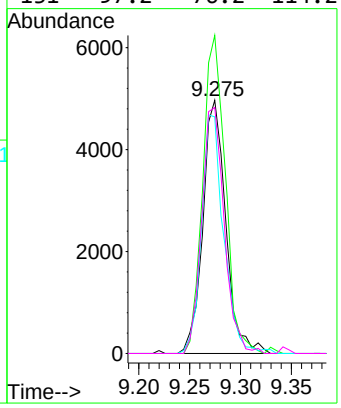


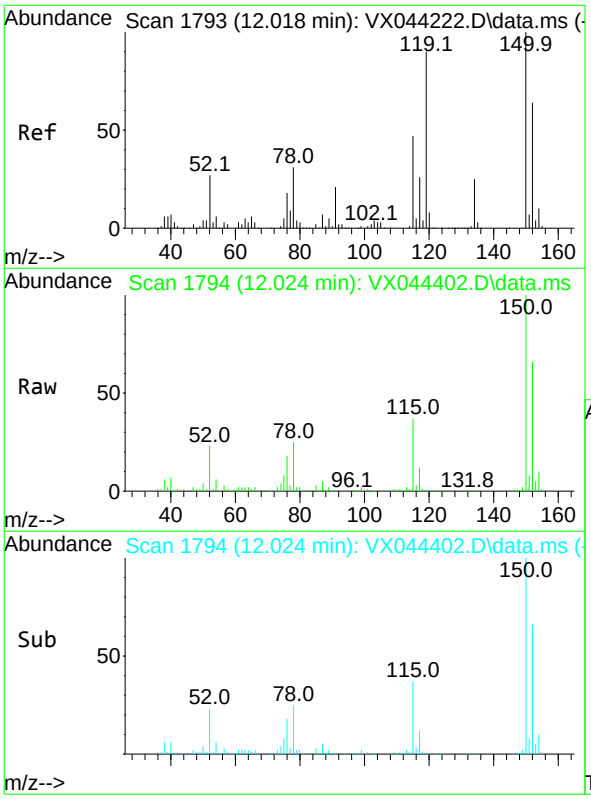

#64
Tetrachloroethene
Concen: 6.795 ug/l
RT: 9.275 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216

Tgt Ion:164 Resp: 7782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.6 | 100.4 | 150.6 |
| 129 | 93.5 | 77.2 | 115.8 |
| 131 | 97.2 | 76.2 | 114.2 |

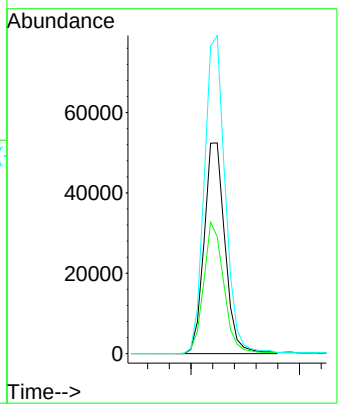



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion:152 Resp: 70176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.5 | 44.5 | 133.3 |
| 150 | 150.8 | 0.0 | 353.8 |



Raw Data: **VX044450.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW4-20241216DL | SDG No.: | P5317 |
| Lab Sample ID: | P5317-02DL | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044450.D | 20 | | 12/20/24 14:23 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 10.0 | UD | 4.20 | 10.0 | 20.0 | ug/L |
| 74-87-3 | Chloromethane | 10.0 | UD | 7.00 | 10.0 | 20.0 | ug/L |
| 75-01-4 | Vinyl Chloride | 15.0 | UD | 6.80 | 15.0 | 20.0 | ug/L |
| 74-83-9 | Bromomethane | 75.0 | UD | 27.2 | 75.0 | 100 | ug/L |
| 75-00-3 | Chloroethane | 15.0 | UD | 11.2 | 15.0 | 20.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 10.0 | UD | 6.80 | 10.0 | 20.0 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 11.9 | JD | 5.00 | 10.0 | 20.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 15.0 | UD | 5.20 | 15.0 | 20.0 | ug/L |
| 67-64-1 | Acetone | 75.0 | UD | 27.8 | 75.0 | 100 | ug/L |
| 75-15-0 | Carbon Disulfide | 15.0 | UD | 6.40 | 15.0 | 20.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 10.0 | UD | 3.20 | 10.0 | 20.0 | ug/L |
| 79-20-9 | Methyl Acetate | 15.0 | UD | 12.0 | 15.0 | 20.0 | ug/L |
| 75-09-2 | Methylene Chloride | 10.0 | UD | 6.40 | 10.0 | 20.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 10.0 | UD | 5.00 | 10.0 | 20.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 10.0 | UD | 4.60 | 10.0 | 20.0 | ug/L |
| 110-82-7 | Cyclohexane | 50.0 | UD | 32.4 | 50.0 | 100 | ug/L |
| 78-93-3 | 2-Butanone | 50.0 | UD | 26.0 | 50.0 | 100 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 10.0 | UD | 5.00 | 10.0 | 20.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 15.0 | UD | 5.00 | 15.0 | 20.0 | ug/L |
| 74-97-5 | Bromochloromethane | 10.0 | UD | 3.60 | 10.0 | 20.0 | ug/L |
| 67-66-3 | Chloroform | 10.0 | UD | 5.20 | 10.0 | 20.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 10.0 | UD | 3.80 | 10.0 | 20.0 | ug/L |
| 108-87-2 | Methylcyclohexane | 10.0 | UD | 3.80 | 10.0 | 20.0 | ug/L |
| 71-43-2 | Benzene | 10.0 | UD | 3.20 | 10.0 | 20.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 10.0 | UD | 4.80 | 10.0 | 20.0 | ug/L |
| 79-01-6 | Trichloroethene | 580 | D | 6.40 | 15.0 | 20.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 10.0 | UD | 3.80 | 10.0 | 20.0 | ug/L |
| 75-27-4 | Bromodichloromethane | 10.0 | UD | 4.80 | 10.0 | 20.0 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 50.0 | UD | 15.0 | 50.0 | 100 | ug/L |
| 108-88-3 | Toluene | 10.0 | UD | 3.60 | 10.0 | 20.0 | ug/L |

Raw Data: **VX044450.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW4-20241216DL | SDG No.: | P5317 |
| Lab Sample ID: | P5317-02DL | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044450.D | 20 | | 12/20/24 14:23 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 10.0 | UD | 4.20 | 10.0 | 20.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.0 | UD | 3.60 | 10.0 | 20.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 10.0 | UD | 4.20 | 10.0 | 20.0 | ug/L |
| 591-78-6 | 2-Hexanone | 50.0 | UD | 22.6 | 50.0 | 100 | ug/L |
| 124-48-1 | Dibromochloromethane | 10.0 | UD | 3.60 | 10.0 | 20.0 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 10.0 | UD | 3.20 | 10.0 | 20.0 | ug/L |
| 127-18-4 | Tetrachloroethene | 9.60 | JD | 5.00 | 10.0 | 20.0 | ug/L |
| 108-90-7 | Chlorobenzene | 10.0 | UD | 2.60 | 10.0 | 20.0 | ug/L |
| 100-41-4 | Ethyl Benzene | 10.0 | UD | 3.20 | 10.0 | 20.0 | ug/L |
| 179601-23-1 | m/p-Xylenes | 20.0 | UD | 6.20 | 20.0 | 40.0 | ug/L |
| 95-47-6 | o-Xylene | 10.0 | UD | 2.80 | 10.0 | 20.0 | ug/L |
| 100-42-5 | Styrene | 10.0 | UD | 3.20 | 10.0 | 20.0 | ug/L |
| 75-25-2 | Bromoform | 10.0 | UD | 4.20 | 10.0 | 20.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 10.0 | UD | 2.60 | 10.0 | 20.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.0 | UD | 5.40 | 10.0 | 20.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 10.0 | UD | 4.80 | 10.0 | 20.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 10.0 | UD | 5.40 | 10.0 | 20.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 10.0 | UD | 3.80 | 10.0 | 20.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 15.0 | UD | 9.20 | 15.0 | 20.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.0 | UD | 8.40 | 10.0 | 20.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 15.0 | UD | 10.2 | 15.0 | 20.0 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 42.7 | | 81 - 118 | | 85% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.4 | | 80 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.5 | | 89 - 112 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.8 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 123000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 220000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 193000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 79200 | 12.024 | | | | |

Raw Data: **VX044450.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW4-20241216DL | SDG No.: | P5317 |
| Lab Sample ID: | P5317-02DL | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044450.D | 20 | | 12/20/24 14:23 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044450.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044450.D
Acq On : 20 Dec 2024 14:23
Operator : JC/MD
Sample : P5317-02DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216DL

Quant Time: Dec 20 22:25:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

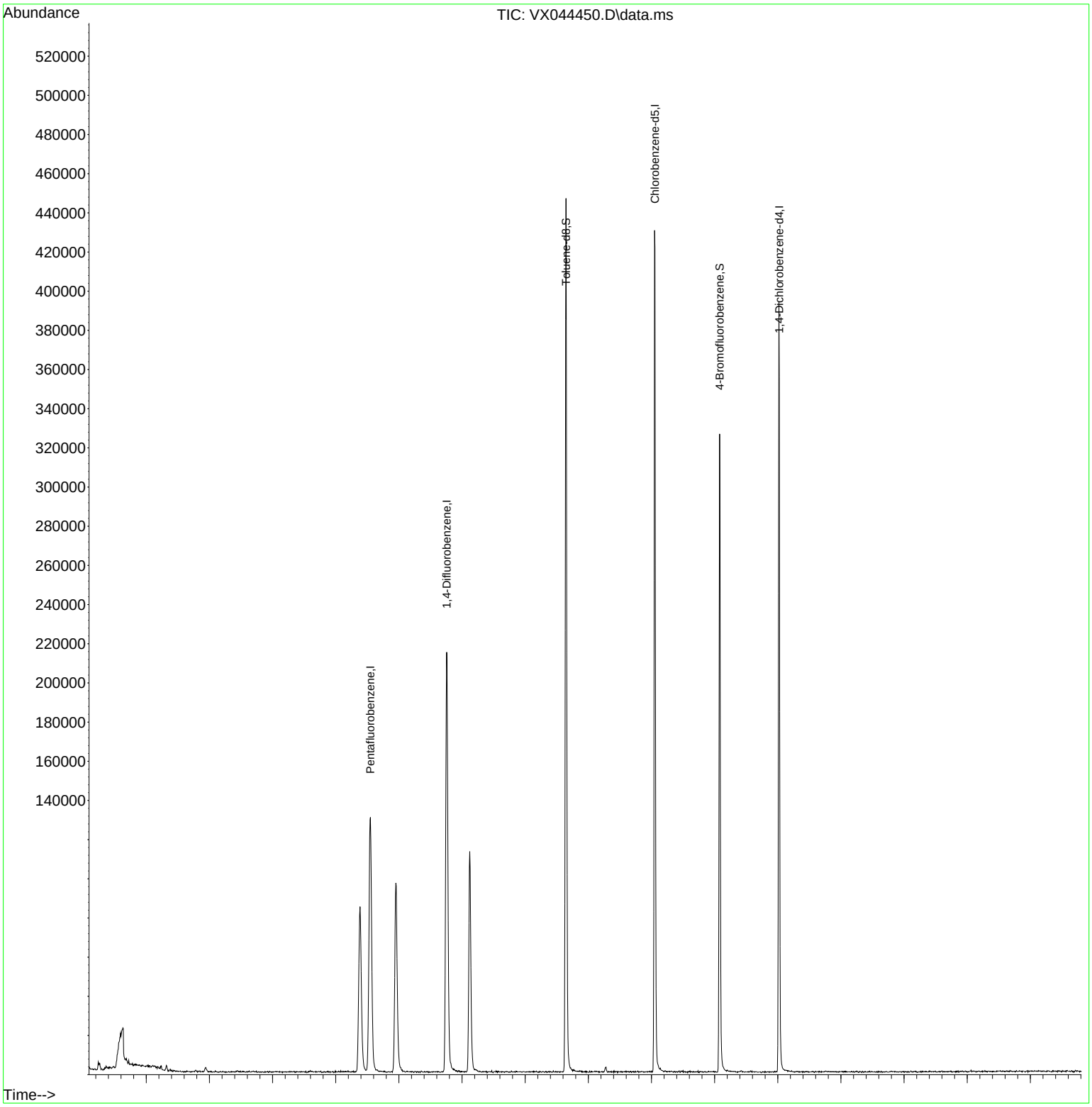
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 123451 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 220282 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 193072 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 79195 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 92439 | 42.707 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 85.420% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 72250 | 47.357 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.720% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 259723 | 50.460 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.920% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 86015 | 47.825 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.660% | | | |
| Target Compounds | | | | | | Qvalue |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 896 | 0.595 | ug/l | 94 |
| 44) Trichloroethene | 7.123 | 130 | 42960 | 28.771 | ug/l | 91 |
| 64) Tetrachloroethene | 9.281 | 164 | 617 | 0.481 | ug/l # | 55 |

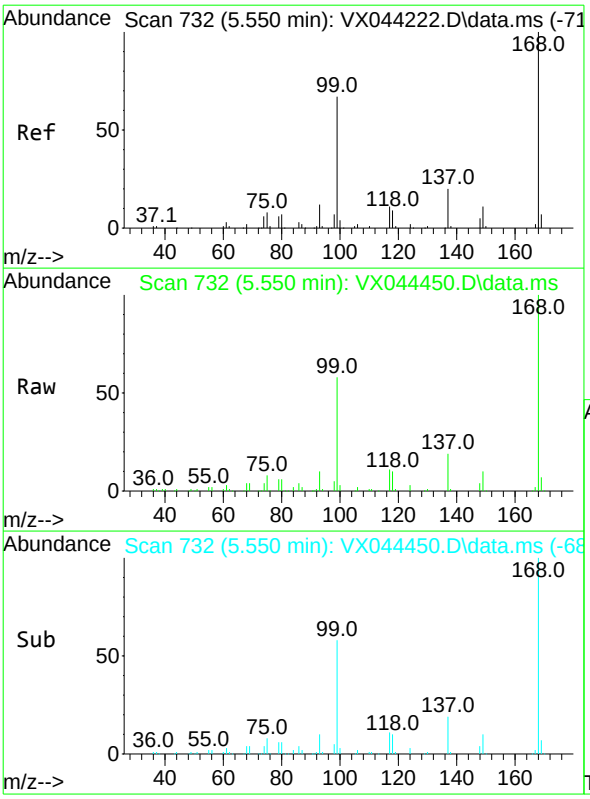
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044450.D
Acq On : 20 Dec 2024 14:23
Operator : JC/MD
Sample : P5317-02DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216DL

Quant Time: Dec 20 22:25:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



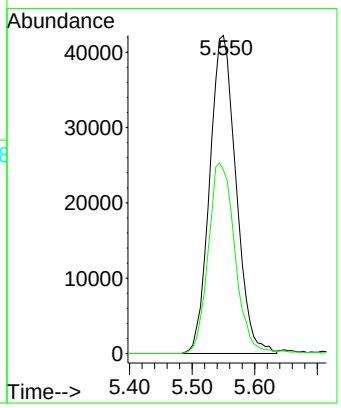


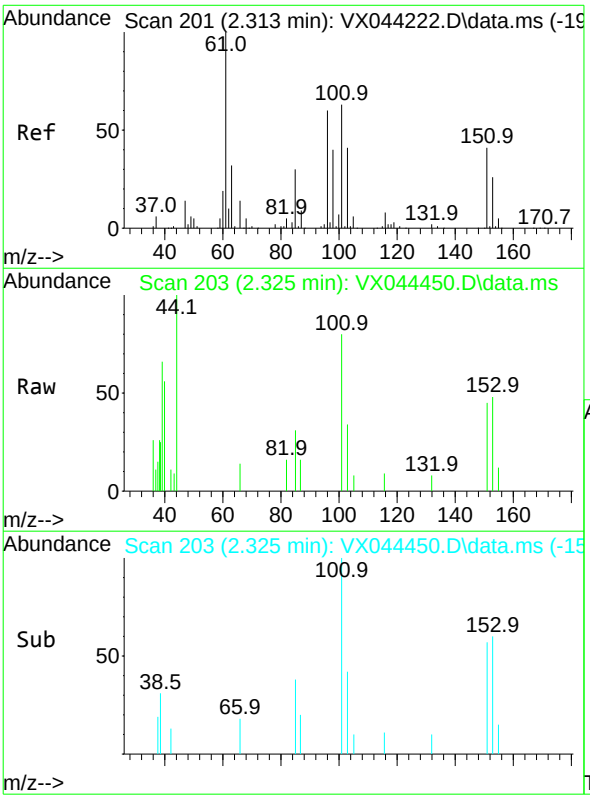

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216DL

Tgt Ion:168 Resp: 123451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.7 | 53.4 | 80.0 |

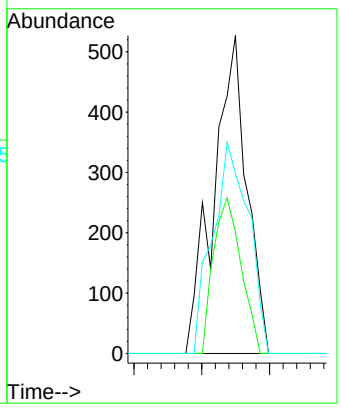


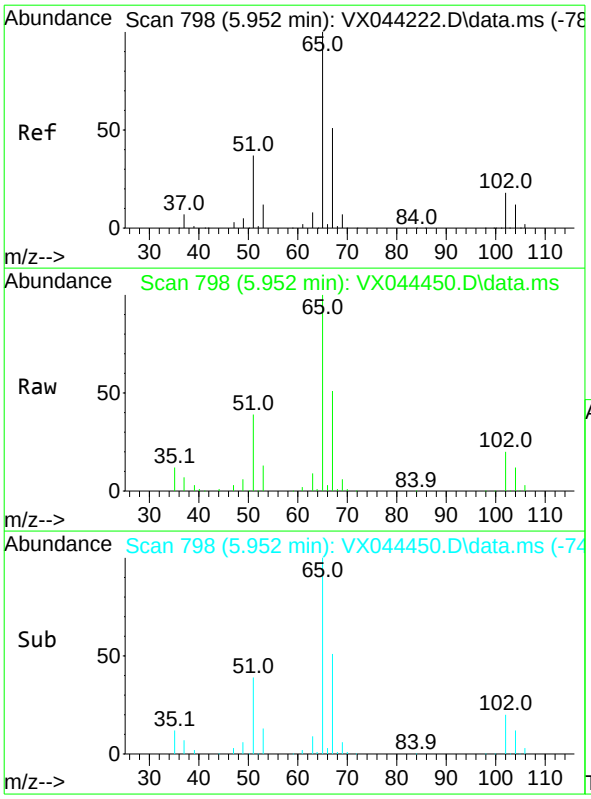




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.595 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

Tgt Ion:101 Resp: 896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 41.0 | 38.5 | 57.7 |
| 151 | 72.2 | 55.8 | 83.6 |



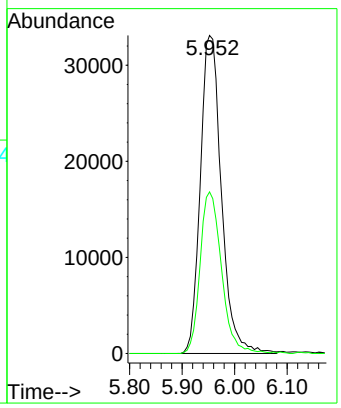


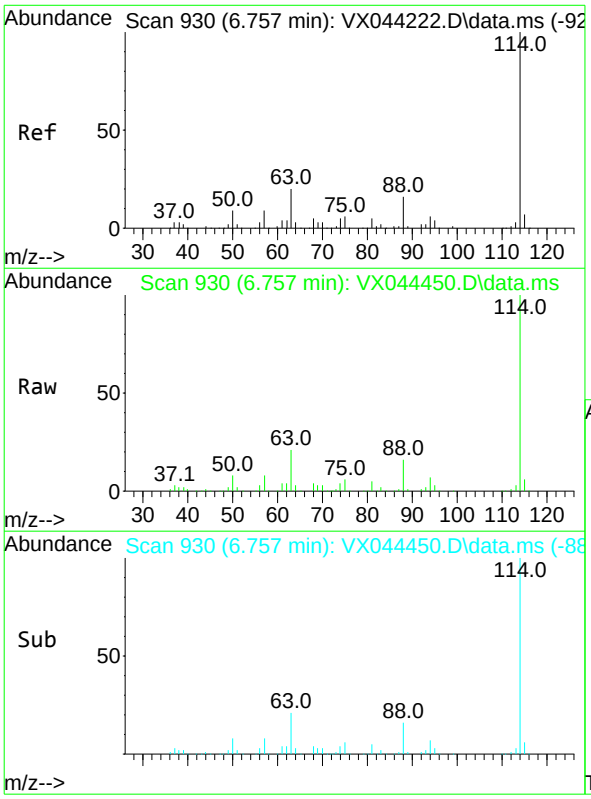

#33
1,2-Dichloroethane-d4
Concen: 42.707 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216DL

Tgt Ion: 65 Resp: 92439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 101.6 |

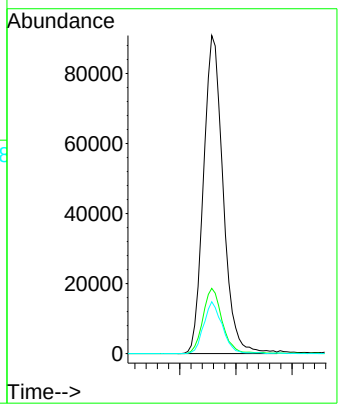


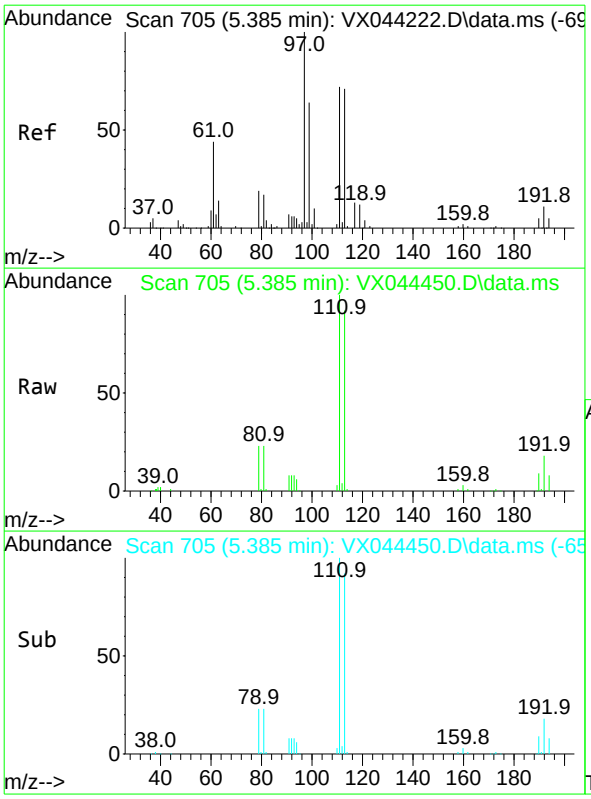




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

Tgt Ion:114 Resp: 220282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 40.6 |
| 88 | 16.3 | 0.0 | 31.8 |



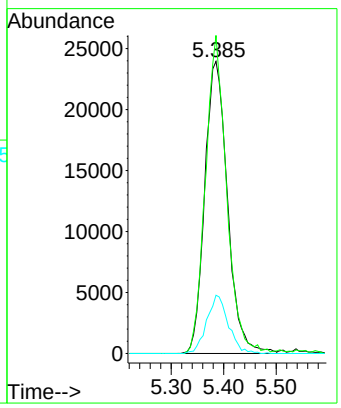


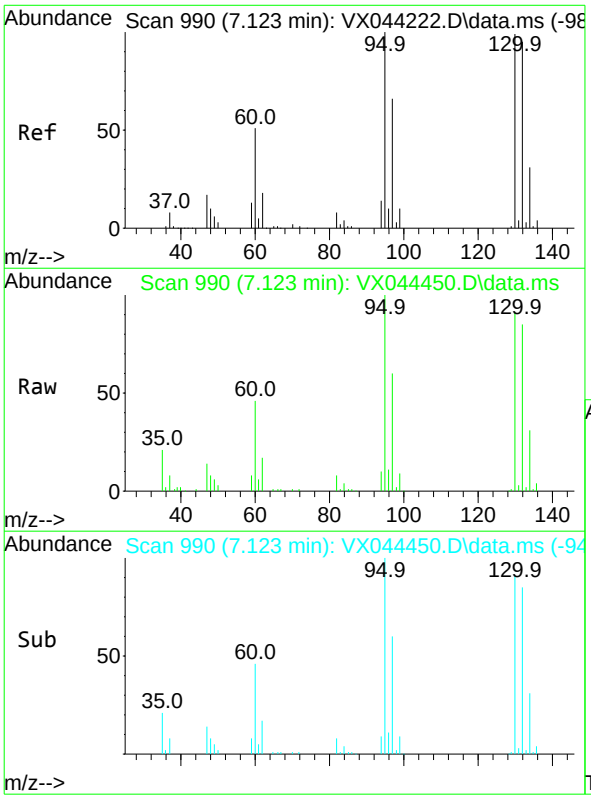

#35
Dibromofluoromethane
Concen: 47.357 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216DL

Tgt Ion:113 Resp: 72250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.3 | 80.4 | 120.6 |
| 192 | 18.8 | 13.3 | 19.9 |

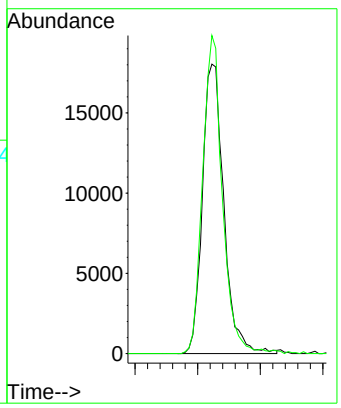


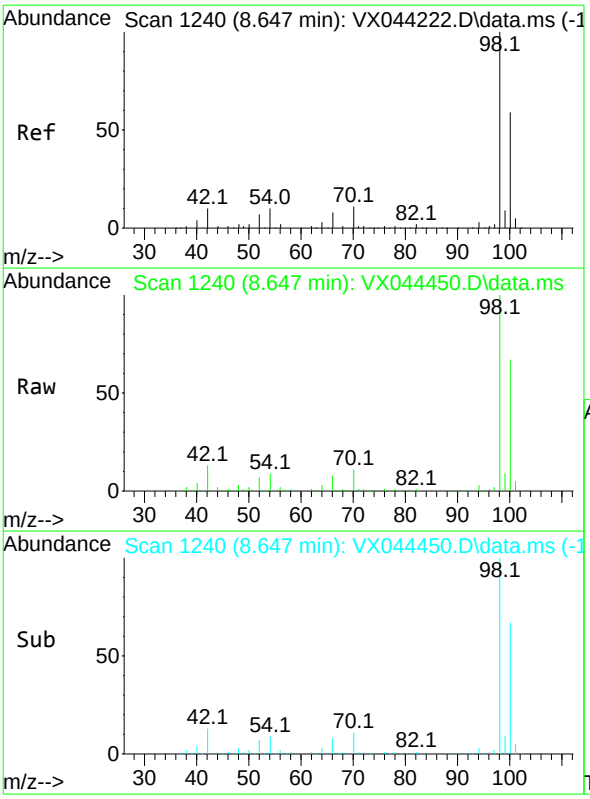




#44
Trichloroethene
Concen: 28.771 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

Tgt Ion:130 Resp: 42960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 109.9 | 0.0 | 201.4 |



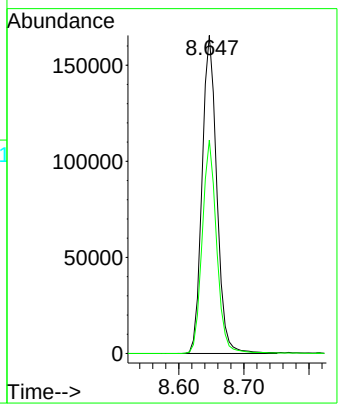


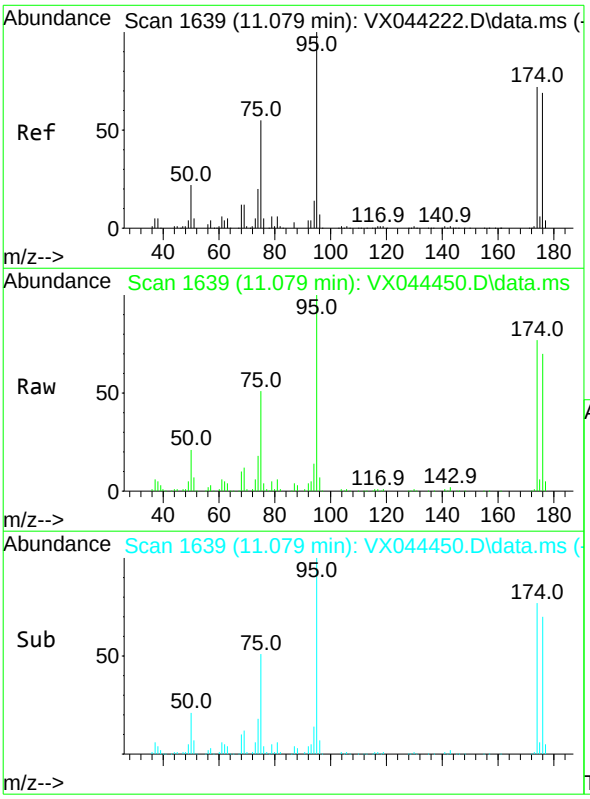

#50
Toluene-d8
Concen: 50.460 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216DL

Tgt Ion: 98 Resp: 259723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 51.5 | 77.3 |

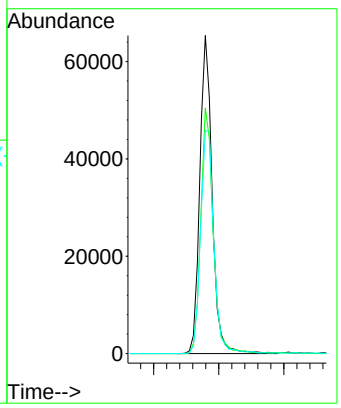


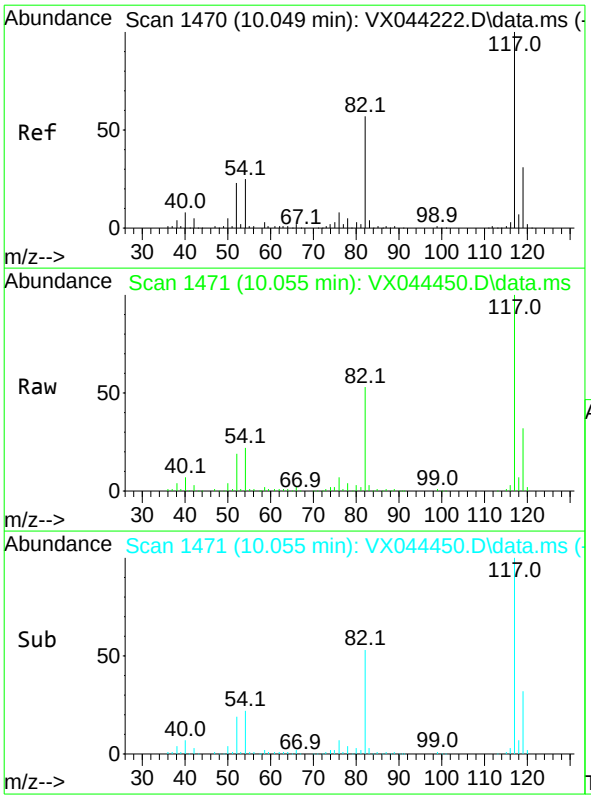




#62
4-Bromofluorobenzene
Concen: 47.825 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

Tgt Ion: 95 Resp: 86015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.7 | 0.0 | 145.8 |
| 176 | 75.9 | 0.0 | 137.8 |



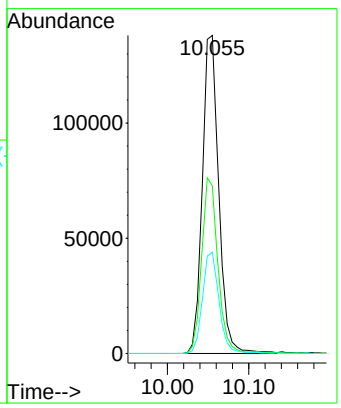


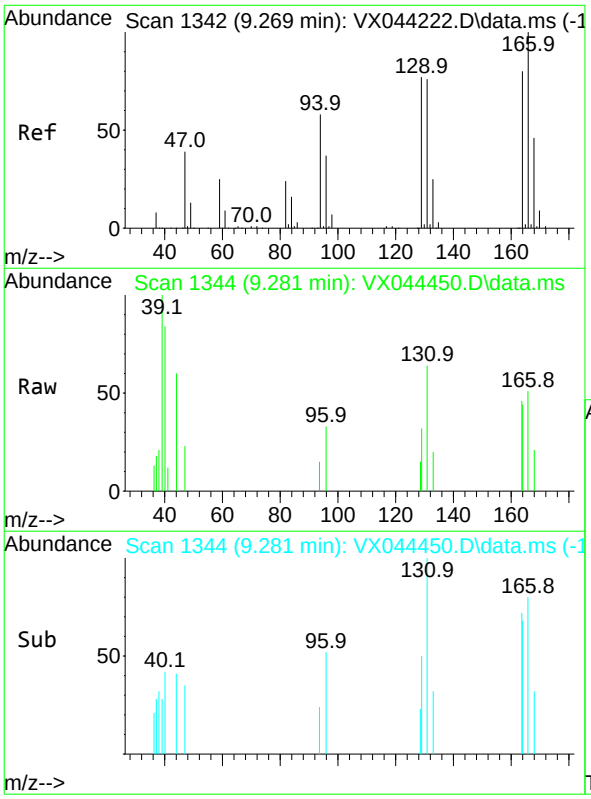

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216DL

Tgt Ion:117 Resp: 193072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.7 | 45.8 | 68.8 |
| 119 | 31.8 | 25.0 | 37.4 |

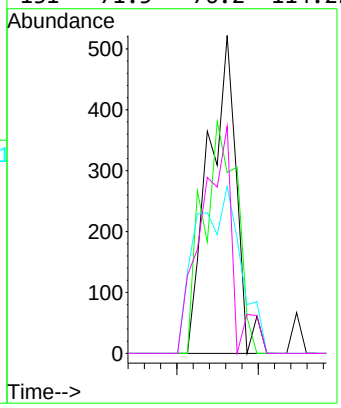


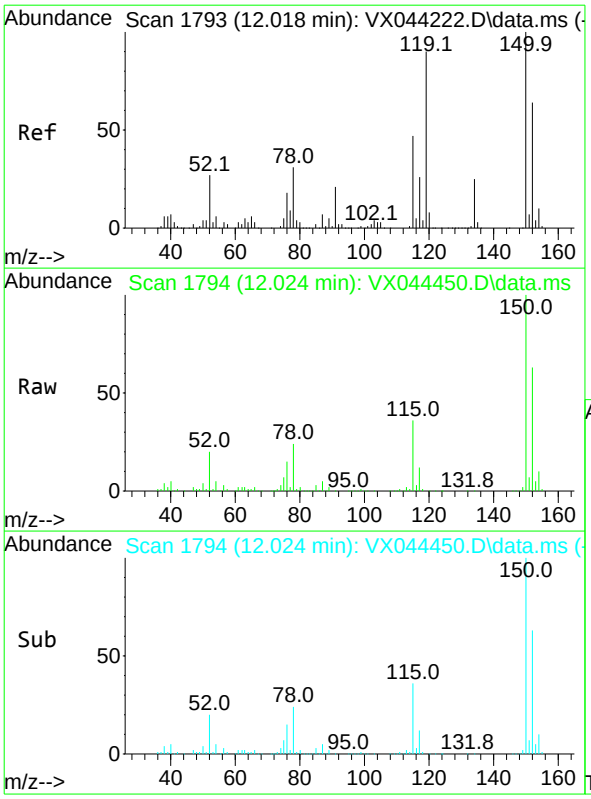




#64
Tetrachloroethene
Concen: 0.481 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.012 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

Tgt Ion:164 Resp: 617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 56.9 | 100.4 | 150.6# |
| 129 | 52.5 | 77.2 | 115.8# |
| 131 | 71.5 | 76.2 | 114.2# |



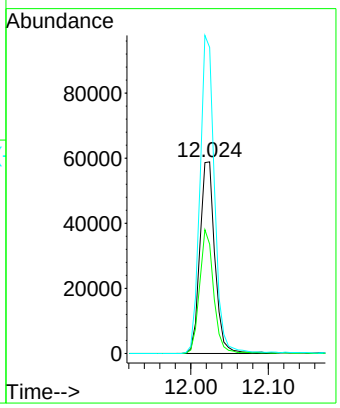



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044450.D
Acq: 20 Dec 2024 14:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW4-20241216DL

Tgt Ion:152 Resp: 79195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.7 | 44.5 | 133.3 |
| 150 | 160.8 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT191D1-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044452.D | 1 | | 12/20/24 15:09 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.81 | J | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.35 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 2.10 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.71 | J | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.36 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.63 | J | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 11.0 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT191D1-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044452.D | 1 | | 12/20/24 15:09 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 42.4 | | 81 - 118 | | 85% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.2 | | 80 - 119 | | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.5 | | 89 - 112 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.9 | | 85 - 114 | | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 119000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 211000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 181000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 72800 | 12.018 | | | | |

Raw Data: **VX044452.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT191D1-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044452.D | 1 | | 12/20/24 15:09 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044452.D
Acq On : 20 Dec 2024 15:09
Operator : JC/MD
Sample : P5317-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 20 22:26:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 118996 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 210803 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 181303 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 72773 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 88475 | 42.406 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 84.820% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 68921 | 47.206 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.420% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 248897 | 50.531 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.060% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 79060 | 45.935 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 91.860% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 1489 | 0.809 | ug/l | 94 |
| 3) Chloromethane | 1.295 | 50 | 621 | 0.353 | ug/l # | 78 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 3044 | 2.096 | ug/l | 93 |
| 12) 1,1-Dichloroethene | 2.300 | 96 | 945 | 0.709 | ug/l # | 93 |
| 16) Acetone | 2.386 | 43 | 833 | 0.979 | ug/l | 92 |
| 20) Methylene Chloride | 2.788 | 84 | 575 | 0.360 | ug/l # | 64 |
| 30) Chloroform | 5.087 | 83 | 1985m | 0.634 | ug/l | |
| 44) Trichloroethene | 7.129 | 130 | 15656 | 10.957 | ug/l | 98 |

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

Sample Results: **VX044452.D**

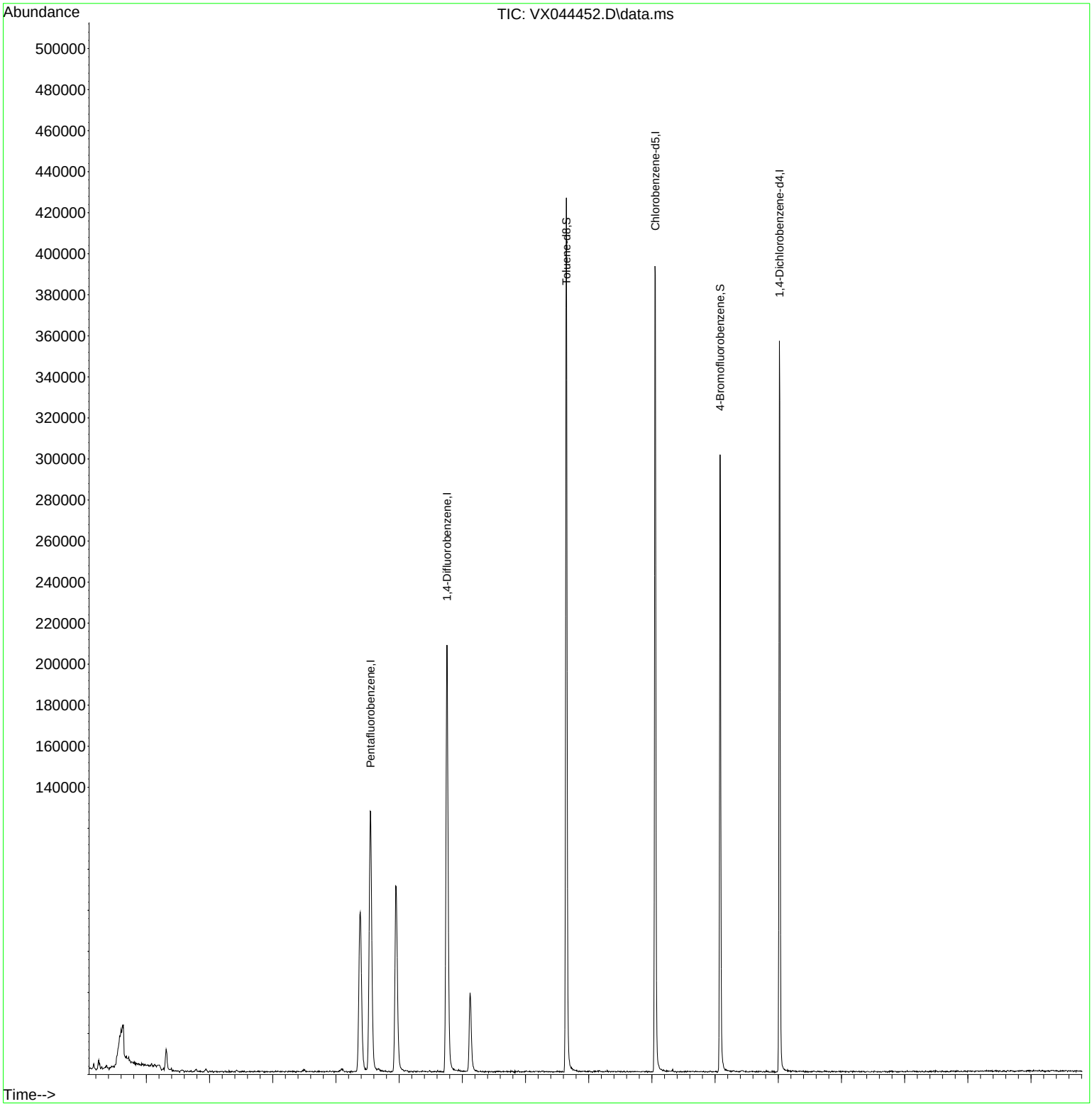
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044452.D
Acq On : 20 Dec 2024 15:09
Operator : JC/MD
Sample : P5317-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

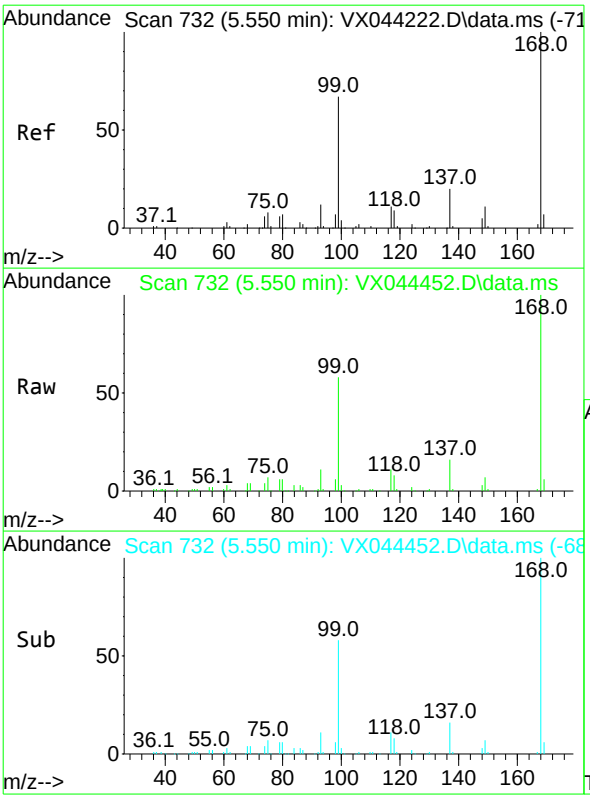
Quant Time: Dec 20 22:26:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

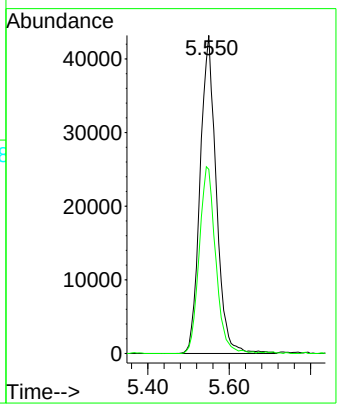





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:168 Resp: 118996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.9 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
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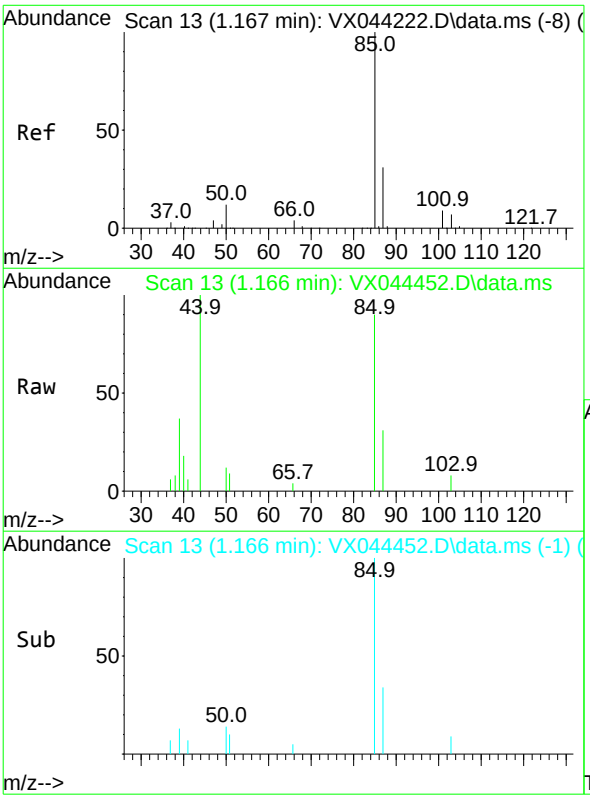
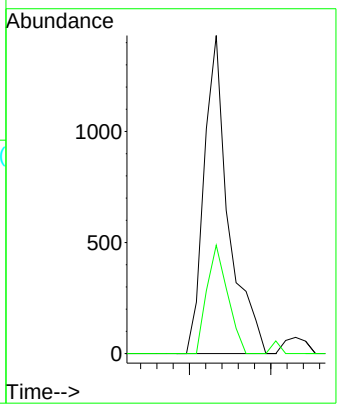
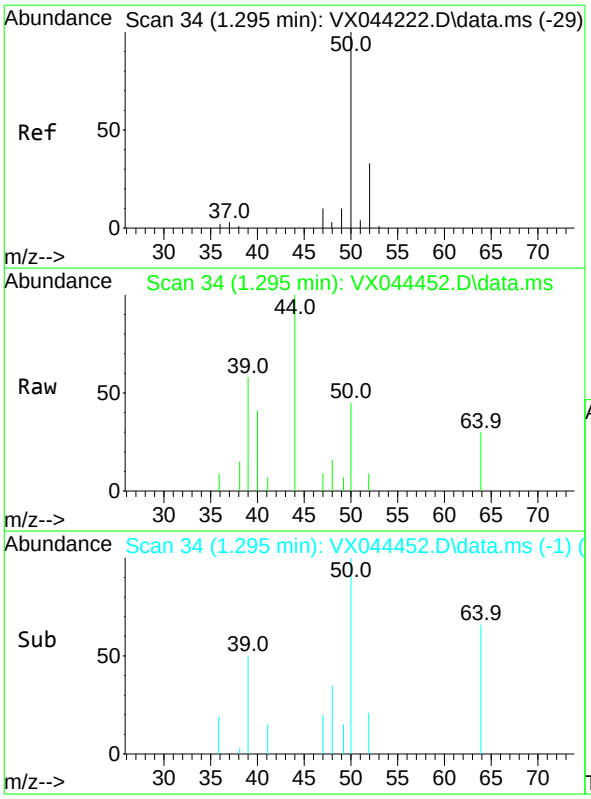



#2
Dichlorodifluoromethane
Concen: 0.809 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 85 Resp: 1489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.1 | 15.4 | 46.4 |

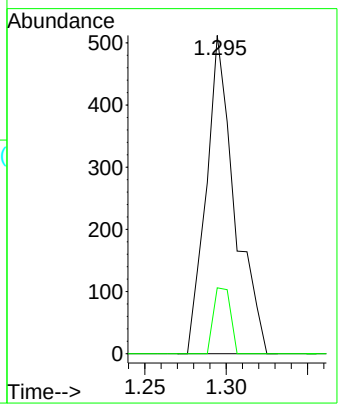





#3
Chloromethane
Concen: 0.353 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 50 Resp: 621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 20.7 | 26.5 | 39.7# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
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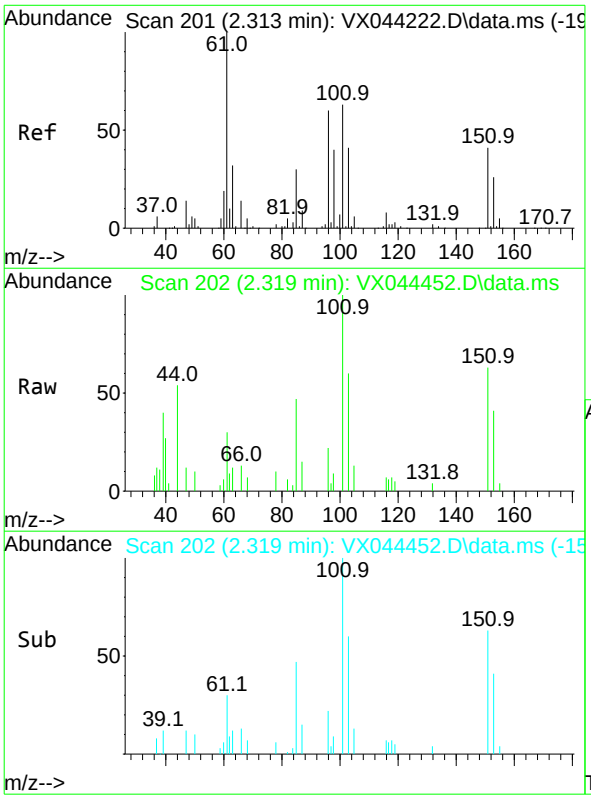
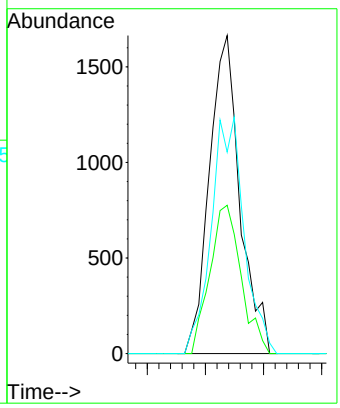
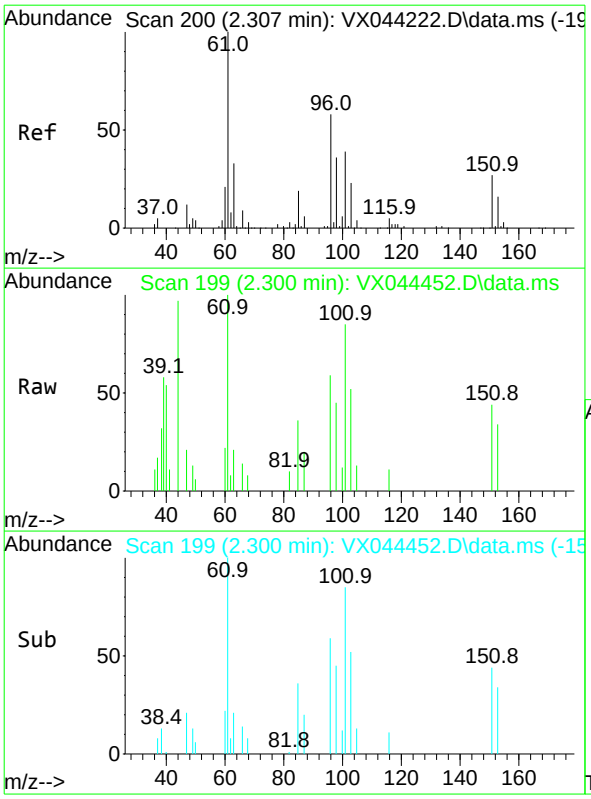



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.096 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:101 Resp: 3044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.7 | 38.5 | 57.7 |
| 151 | 79.6 | 55.8 | 83.6 |

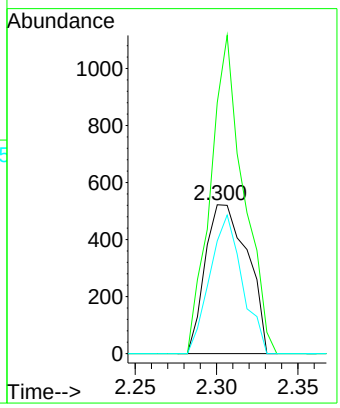





#12
1,1-Dichloroethene
Concen: 0.709 ug/l
RT: 2.300 min Scan# 19
Delta R.T. -0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 96 Resp: 945

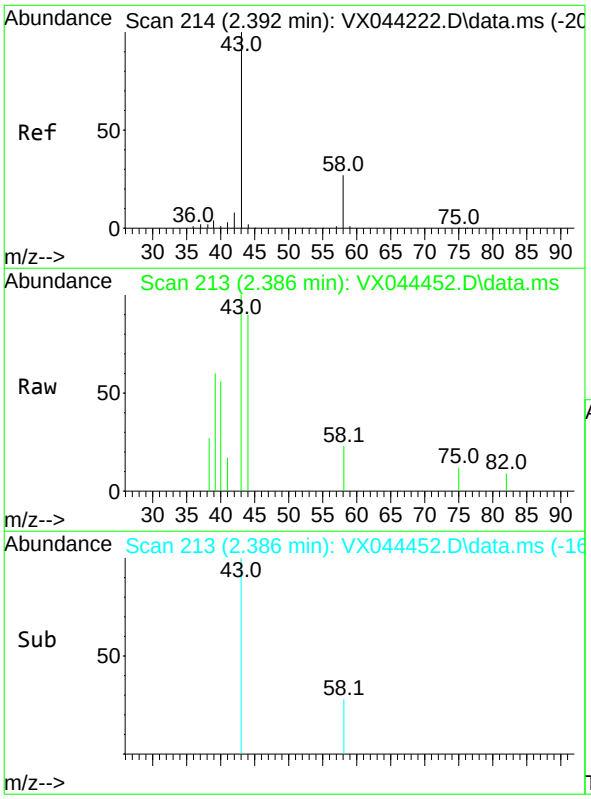
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.6 | 138.0 | 207.0 |
| 98 | 75.7 | 50.0 | 75.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations**
**APPROVED**

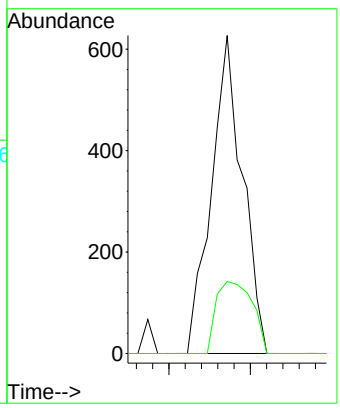
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

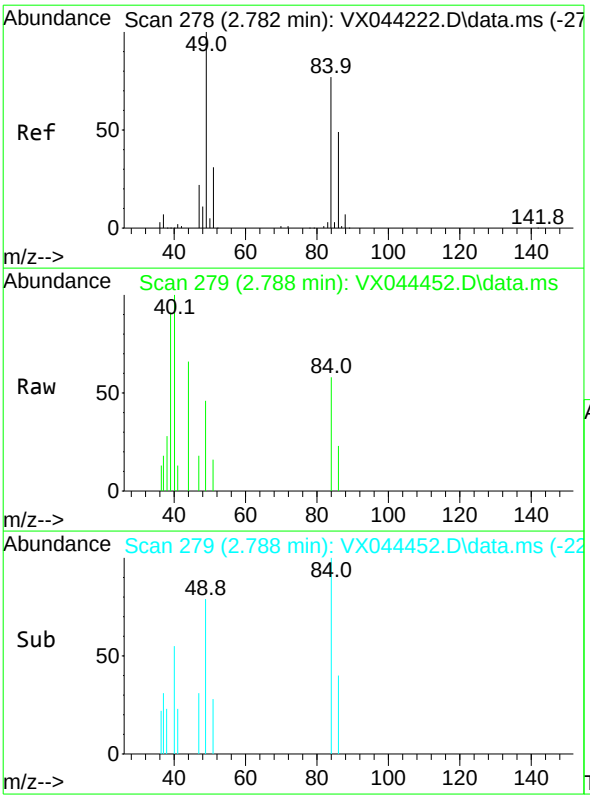



#16
Acetone
Concen: 0.979 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 43 Resp: 833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.6 | 21.6 | 32.4 |

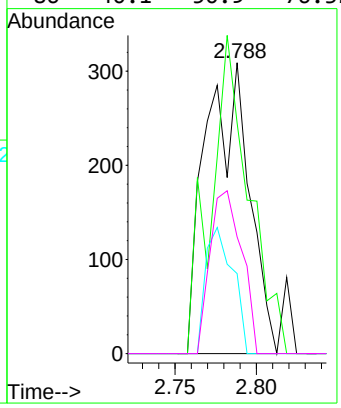





#20
Methylene Chloride
Concen: 0.360 ug/l
RT: 2.788 min Scan# 27
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 84 Resp: 575

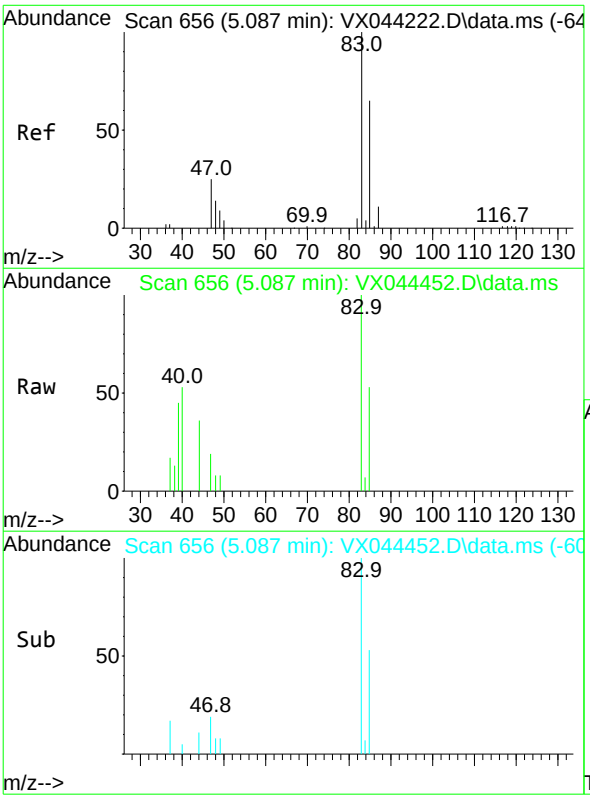
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 79.3 | 104.2 | 156.4# |
| 51 | 27.5 | 32.2 | 48.4# |
| 86 | 40.1 | 50.9 | 76.3# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations**
**APPROVED**

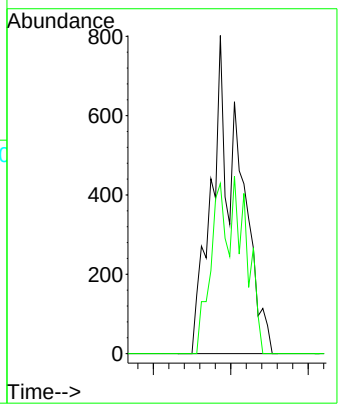
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

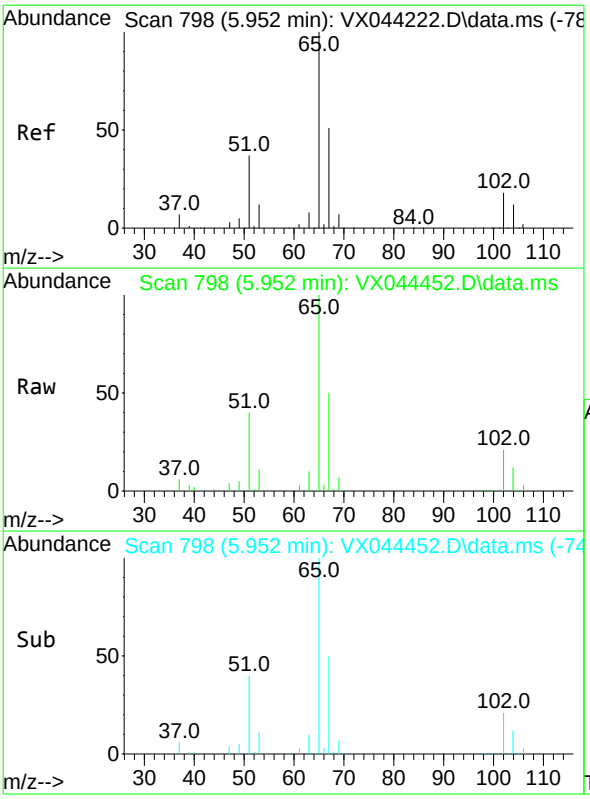



#30
Chloroform
Concen: 0.634 ug/l m
RT: 5.087 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 83 Resp: 1985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 53.5 | 51.6 | 77.4 |

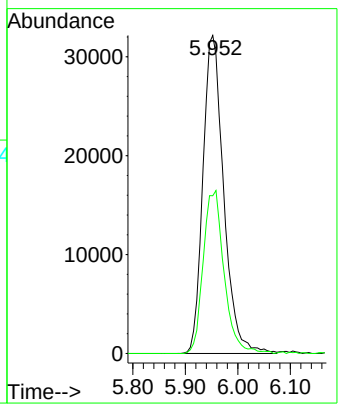





#33
1,2-Dichloroethane-d4
Concen: 42.406 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 65 Resp: 88475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.6 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
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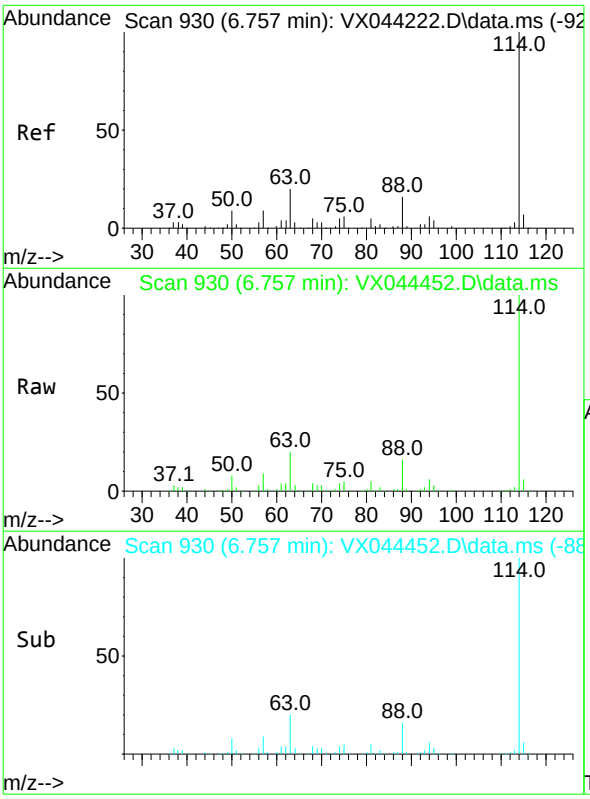
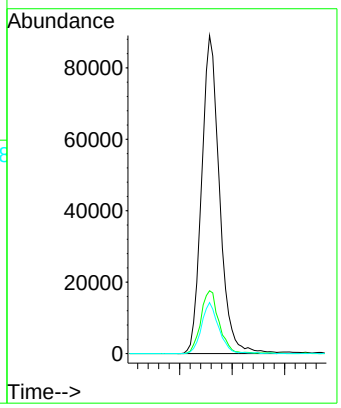
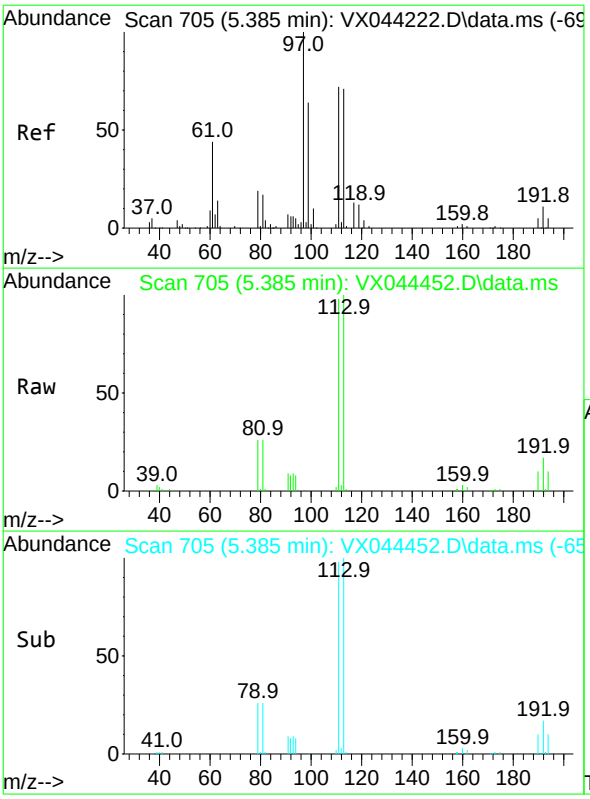



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:114 Resp: 210803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 40.6 |
| 88 | 16.0 | 0.0 | 31.8 |

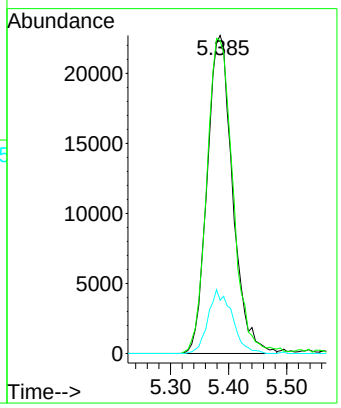





#35
Dibromofluoromethane
Concen: 47.206 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:113 Resp: 68921

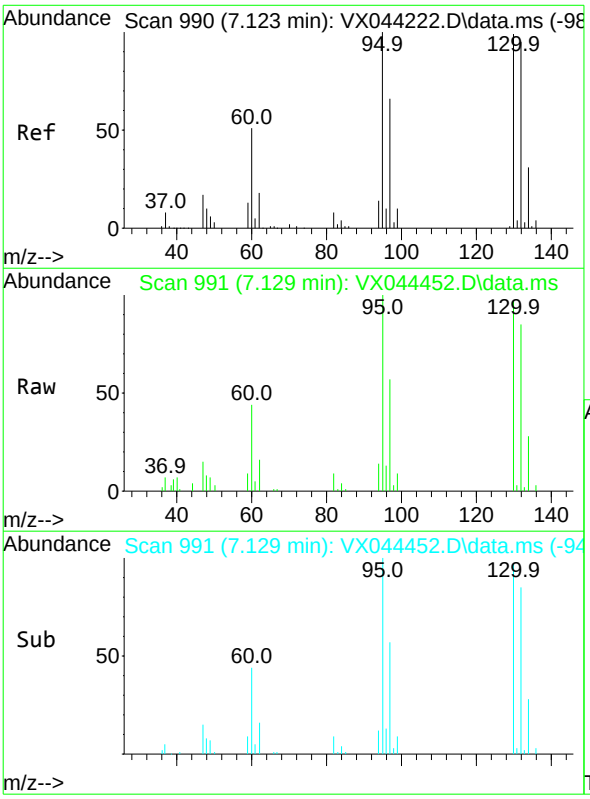
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.0 | 80.4 | 120.6 |
| 192 | 19.0 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations**
**APPROVED**

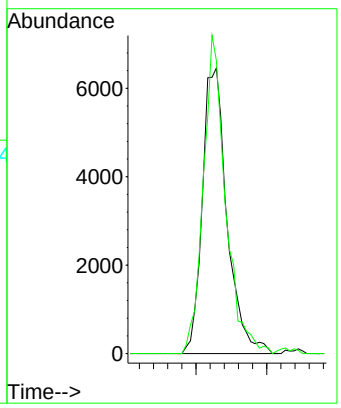
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

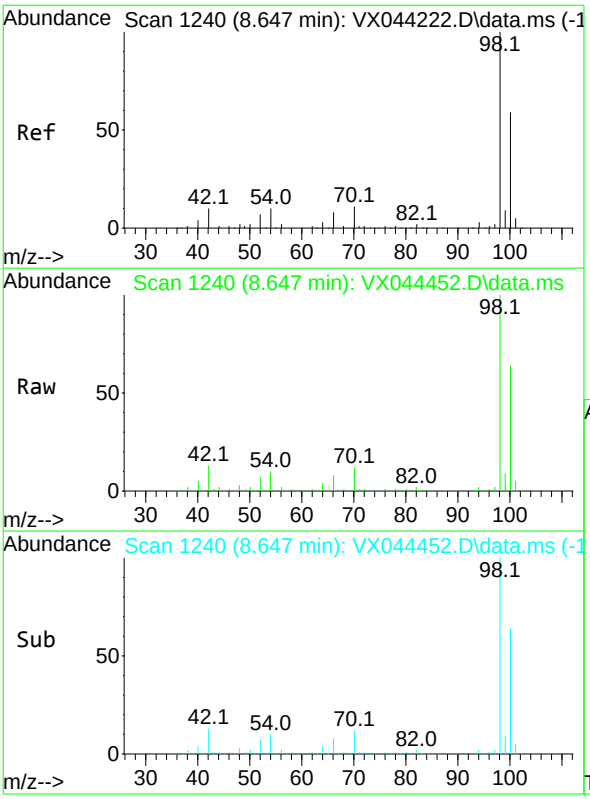



#44
Trichloroethene
Concen: 10.957 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:130 Resp: 15656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.7 | 0.0 | 201.4 |






#50
Toluene-d8
Concen: 50.531 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

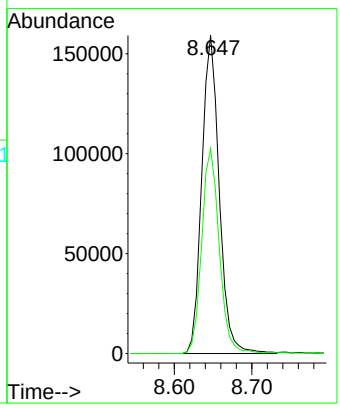
Tgt Ion: 98 Resp: 248897

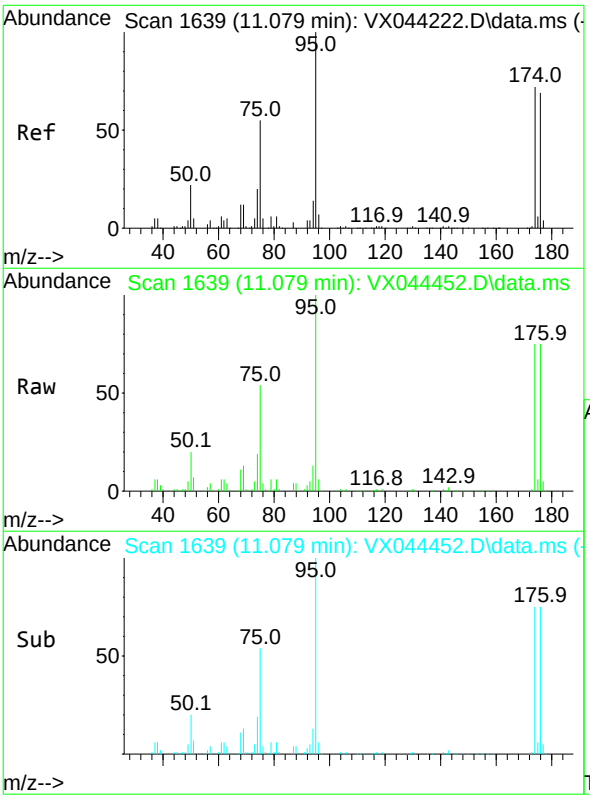
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 51.5 | 77.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

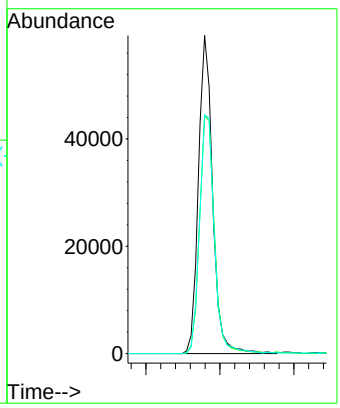


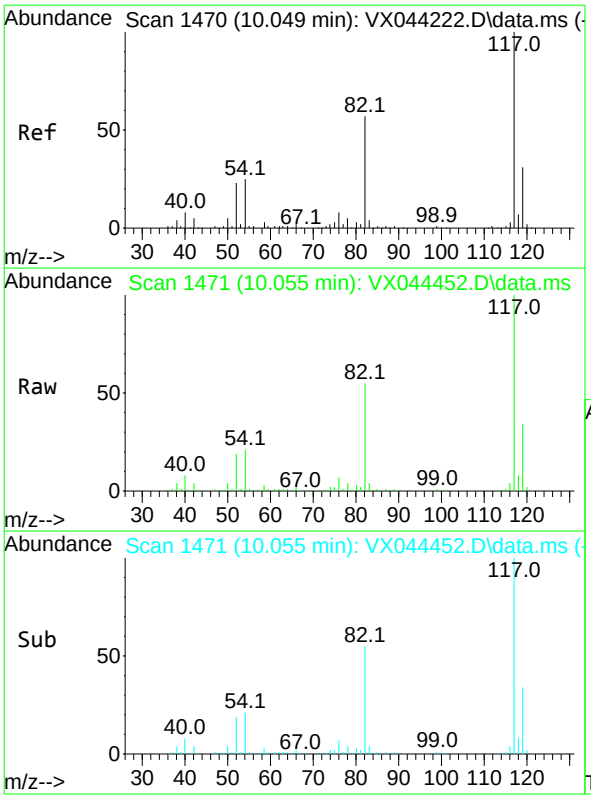




#62
4-Bromofluorobenzene
Concen: 45.935 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 95 Resp: 79060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.1 | 0.0 | 145.8 |
| 176 | 77.8 | 0.0 | 137.8 |

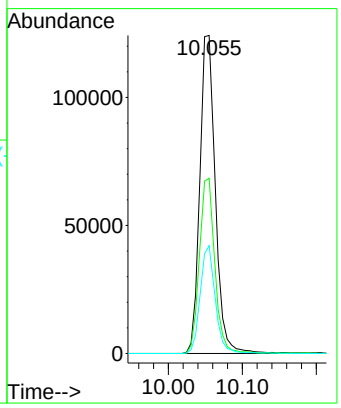





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:117 Resp: 181303

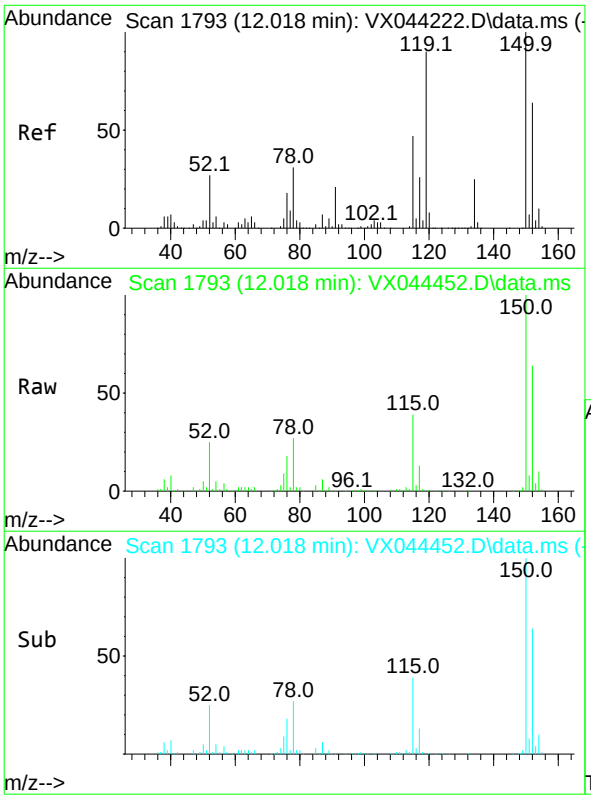
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 45.8 | 68.8 |
| 119 | 33.9 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

**Manual Integrations**
**APPROVED**

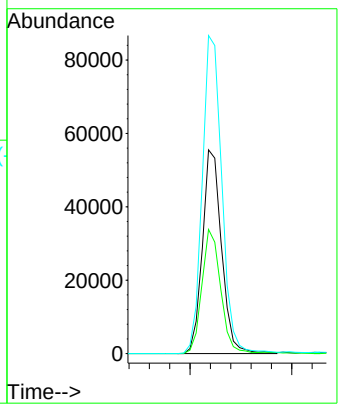
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:152 Resp: 72773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.2 | 44.5 | 133.3 |
| 150 | 159.3 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT191D2-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-04 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044404.D | 1 | | 12/19/24 01:24 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.77 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 4.80 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1.50 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.40 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.61 | J | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.72 | J | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.46 | J | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 96.3 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044404.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT191D2-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-04 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044404.D | 1 | | 12/19/24 01:24 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.34 | J | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.5 | | 81 - 118 | | 89% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.4 | | 80 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.5 | | 89 - 112 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.0 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 109000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 199000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 177000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 73200 | 12.024 | | | | |

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT191D2-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-04 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044404.D | 1 | | 12/19/24 01:24 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044404.D
Acq On : 19 Dec 2024 01:24
Operator : JC/MD
Sample : P5317-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Quant Time: Dec 19 05:07:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

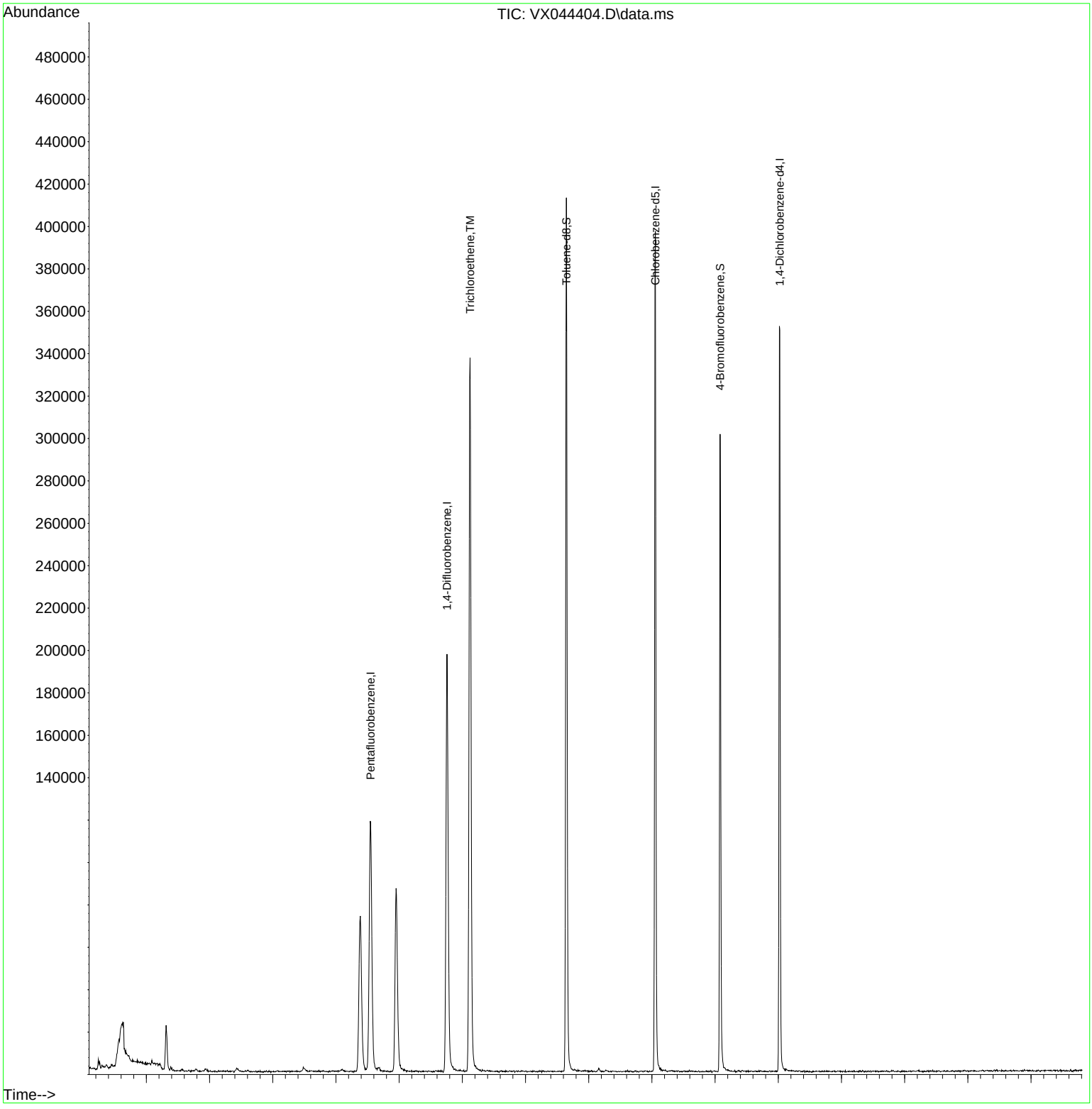
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 108502 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 198842 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 177204 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 73178 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 84577 | 44.458 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 88.920% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 65208 | 47.350 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.700% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 239506 | 51.549 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.100% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 77874 | 47.967 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.940% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.300 | 50 | 1231 | 0.767 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 6377 | 4.816 | ug/l | 95 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 1878 | 1.544 | ug/l # | 81 |
| 16) Acetone | 2.392 | 43 | 1191 | 1.536 | ug/l # | 80 |
| 20) Methylene Chloride | 2.788 | 84 | 587 | 0.403 | ug/l # | 73 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 1185 | 0.722 | ug/l | 77 |
| 30) Chloroform | 5.092 | 83 | 1305 | 0.457 | ug/l | 92 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 1167 | 0.609 | ug/l # | 89 |
| 44) Trichloroethene | 7.123 | 130 | 129798 | 96.301 | ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.159 | 97 | 462 | 0.343 | ug/l # | 78 |

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

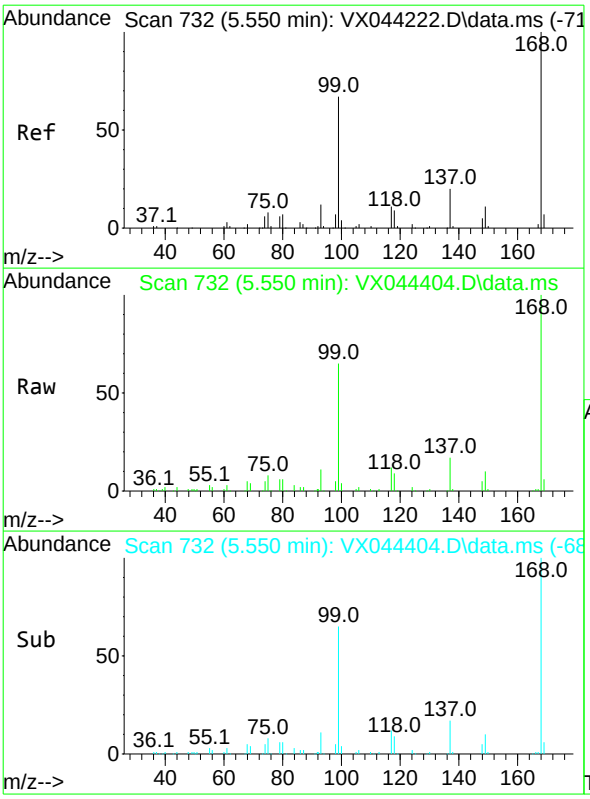
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044404.D
Acq On : 19 Dec 2024 01:24
Operator : JC/MD
Sample : P5317-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Quant Time: Dec 19 05:07:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



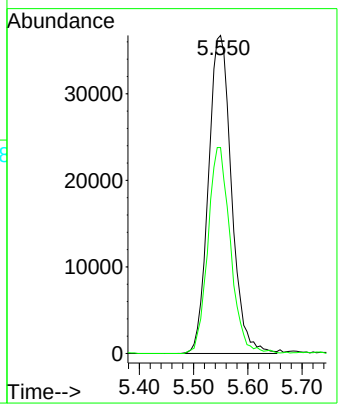
**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

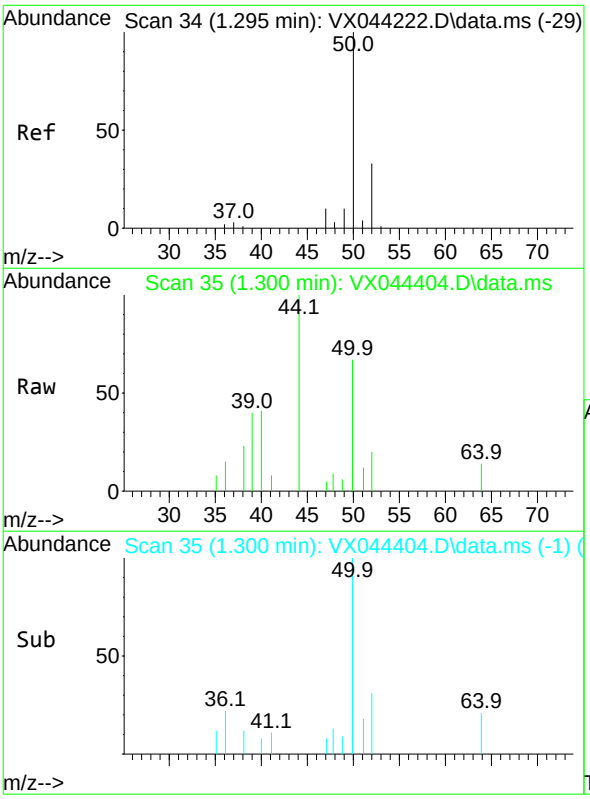



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion:168 Resp: 108502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.8 | 53.4 | 80.0 |

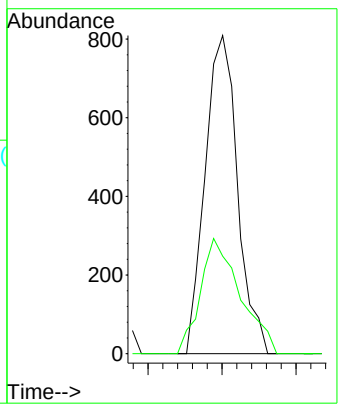


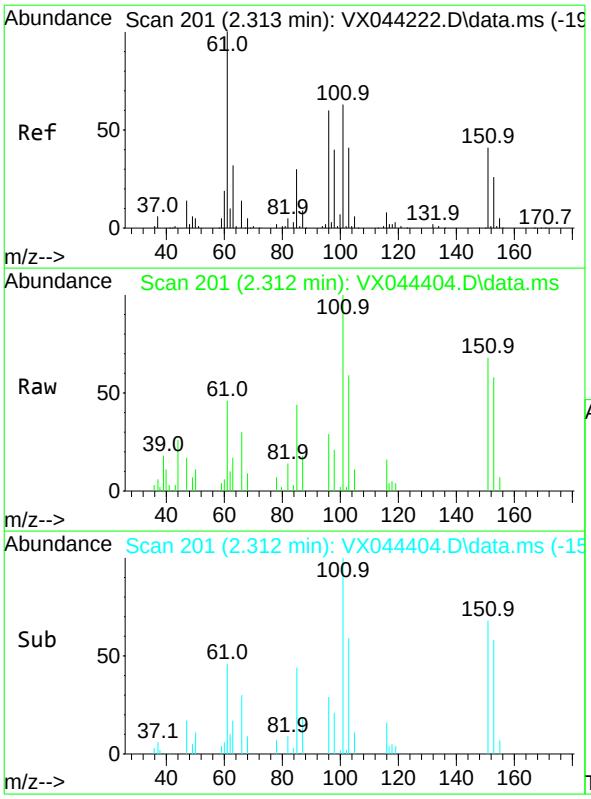




#3
Chloromethane
Concen: 0.767 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 50 Resp: 1231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.7 | 26.5 | 39.7 |



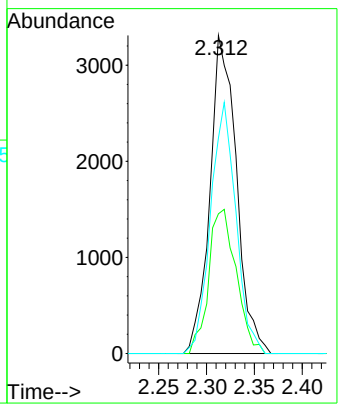


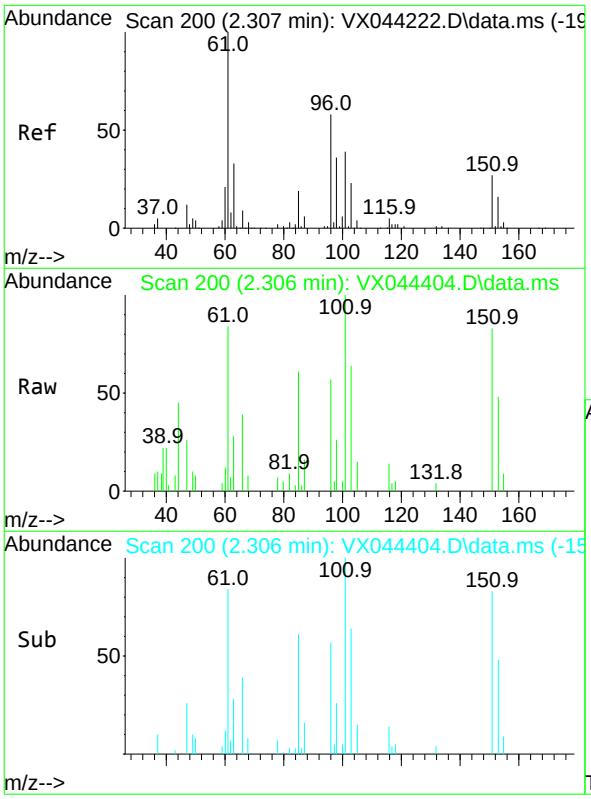

#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.816 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Tgt Ion:101 Resp: 6377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.2 | 38.5 | 57.7 |
| 151 | 75.6 | 55.8 | 83.6 |

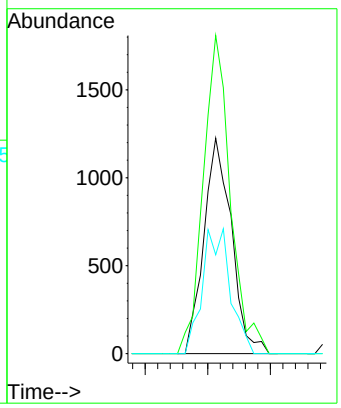


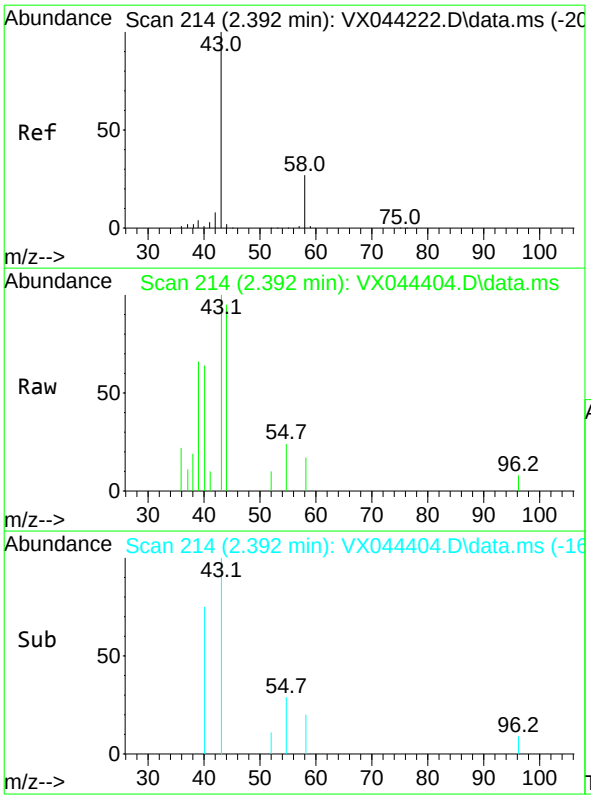




#12
1,1-Dichloroethene
Concen: 1.544 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 96 Resp: 1878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.7 | 138.0 | 207.0 |
| 98 | 45.9 | 50.0 | 75.0# |



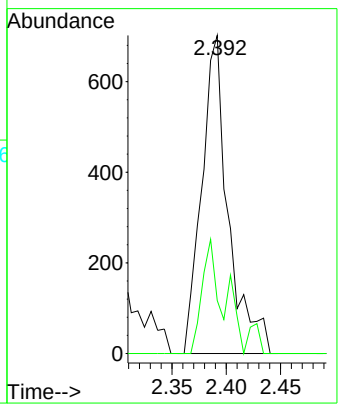


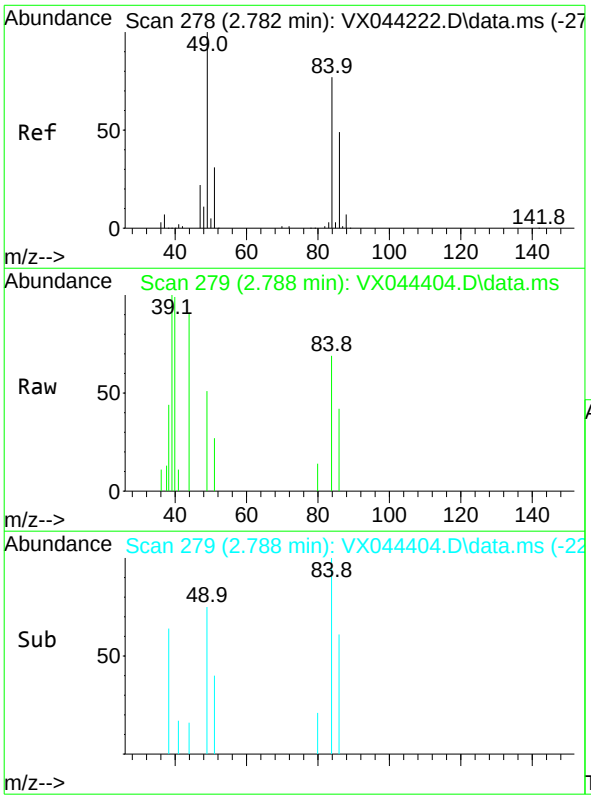

#16
Acetone
Concen: 1.536 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Tgt Ion: 43 Resp: 1191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 16.7 | 21.6 | 32.4# |

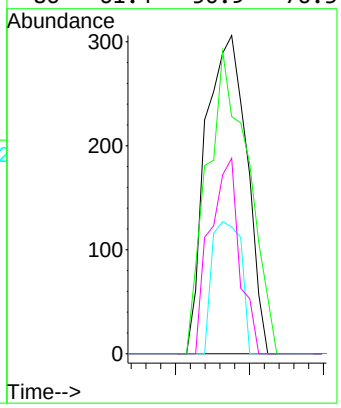


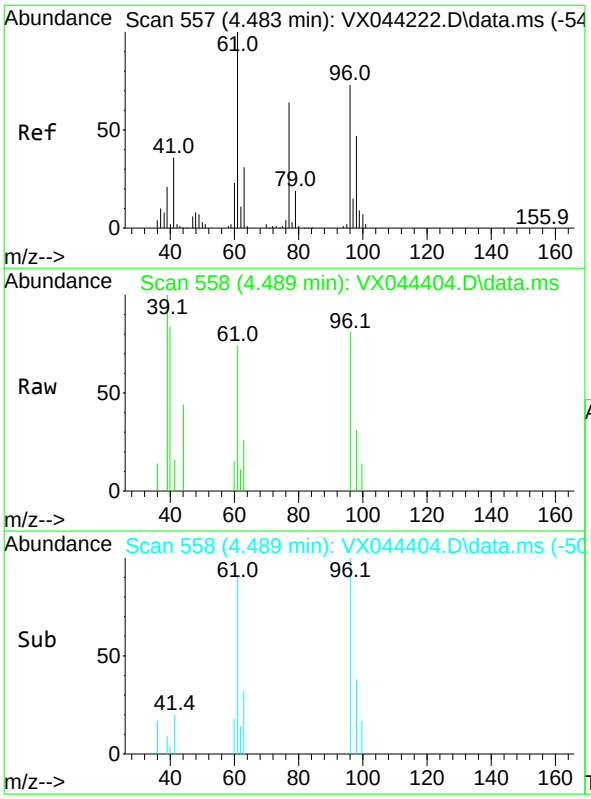




#20
Methylene Chloride
Concen: 0.403 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 84 Resp: 587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 74.5 | 104.2 | 156.4# |
| 51 | 39.9 | 32.2 | 48.4 |
| 86 | 61.4 | 50.9 | 76.3 |



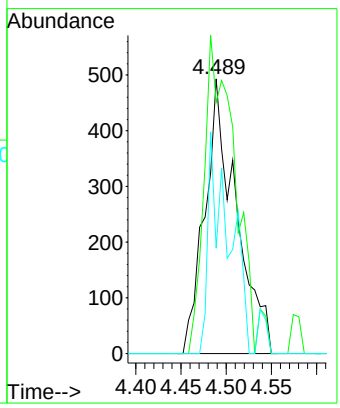


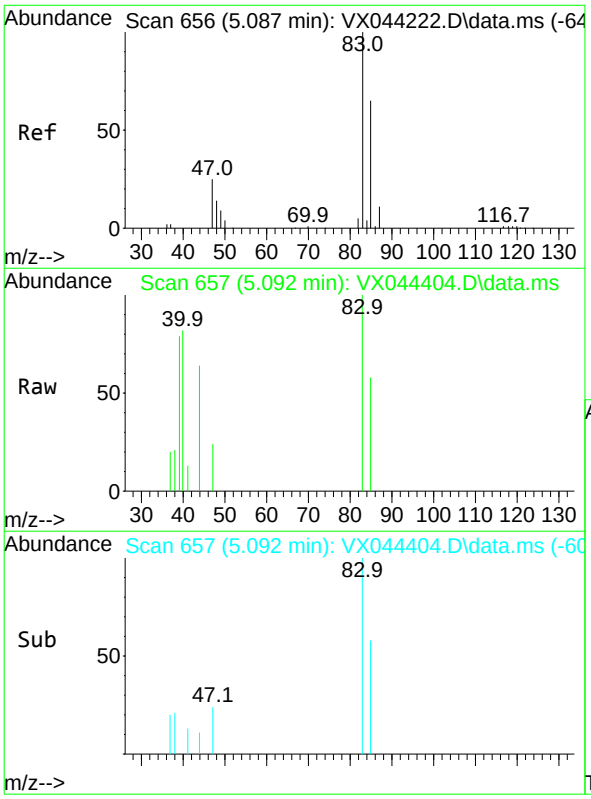

#27
cis-1,2-Dichloroethene
Concen: 0.722 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Tgt Ion: 96 Resp: 1185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 115.4 | 0.0 | 299.0 |
| 98 | 53.8 | 0.0 | 129.0 |

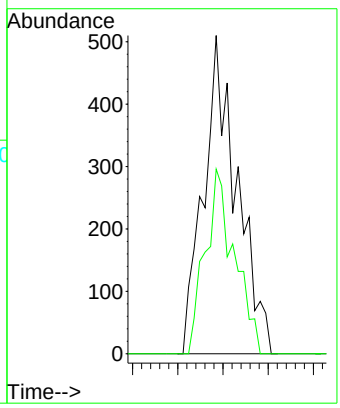


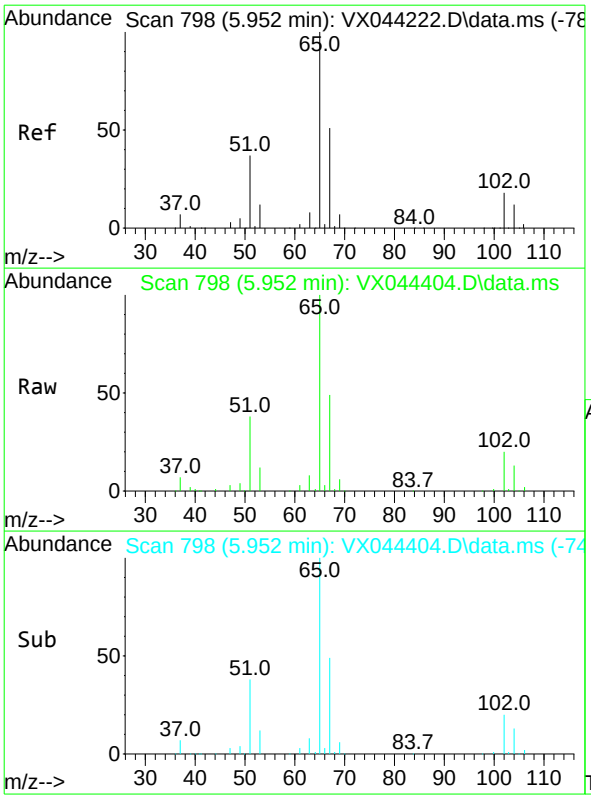




#30
Chloroform
Concen: 0.457 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 83 Resp: 1305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.0 | 51.6 | 77.4 |



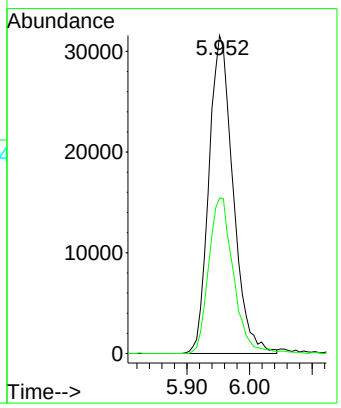


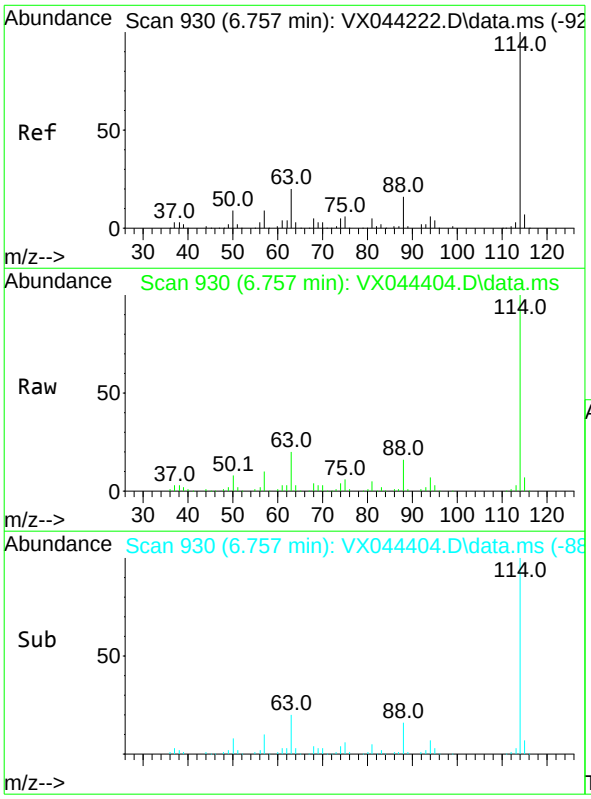

#33
1,2-Dichloroethane-d4
Concen: 44.458 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Tgt Ion: 65 Resp: 84577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.2 | 0.0 | 101.6 |

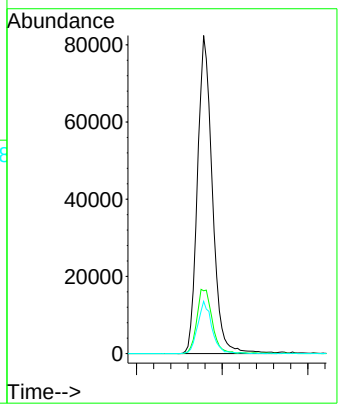


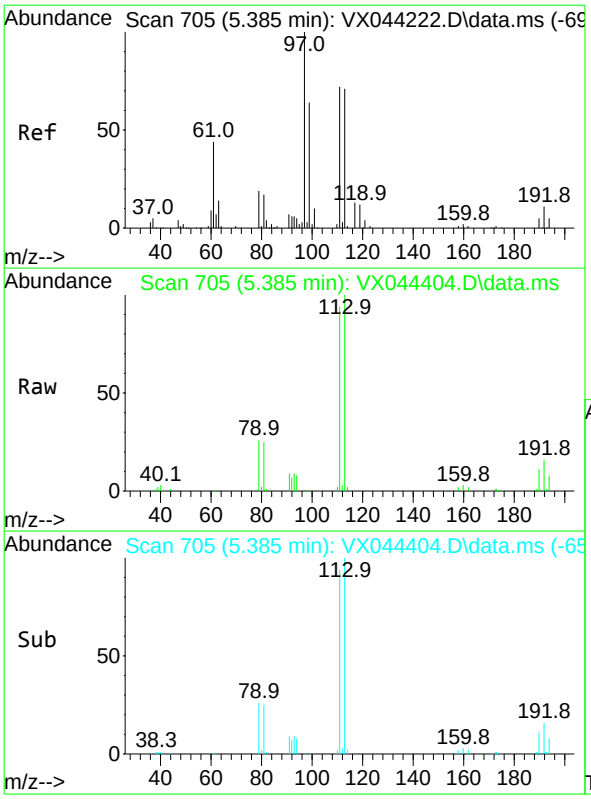




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion:114 Resp: 198842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 40.6 |
| 88 | 16.4 | 0.0 | 31.8 |



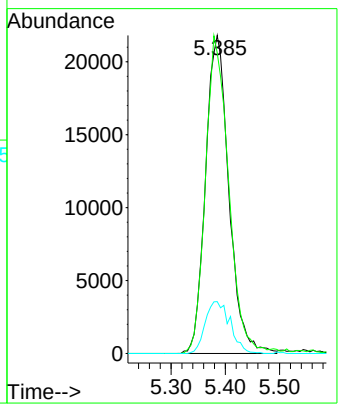


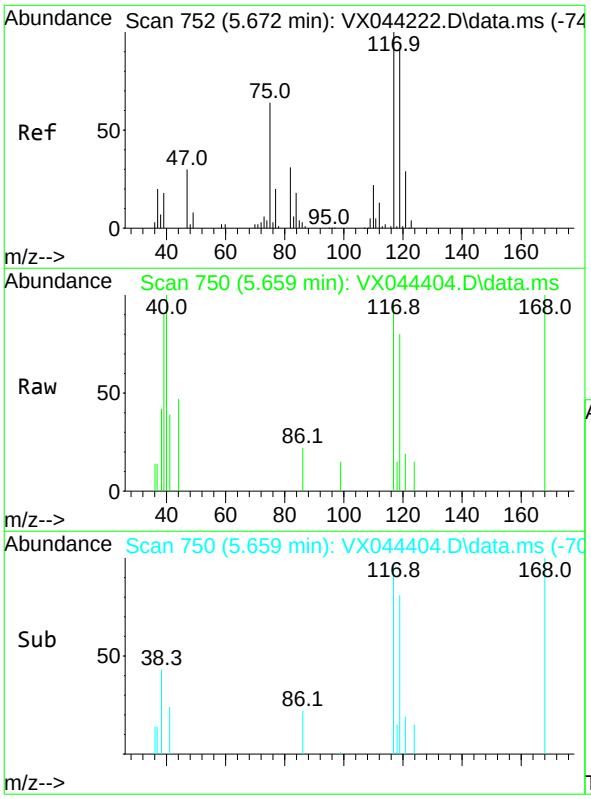

#35
Dibromofluoromethane
Concen: 47.350 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Tgt Ion:113 Resp: 65208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.5 | 80.4 | 120.6 |
| 192 | 17.4 | 13.3 | 19.9 |

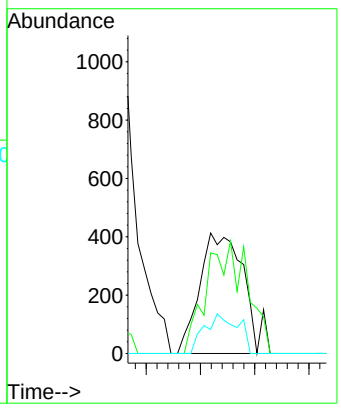


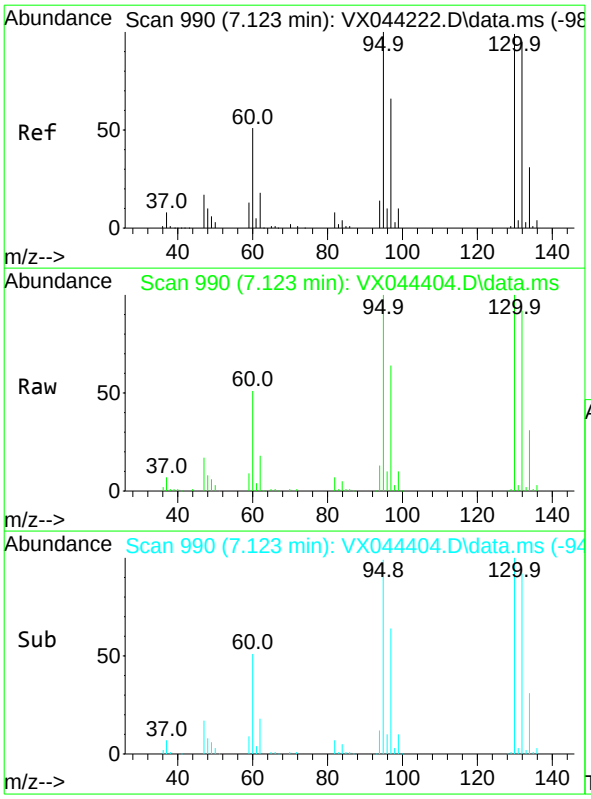




#38
Carbon Tetrachloride
Concen: 0.609 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion:117 Resp: 1167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 83.5 | 74.2 | 111.4 |
| 121 | 19.9 | 23.0 | 34.6# |



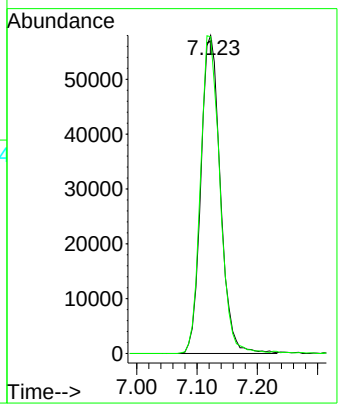


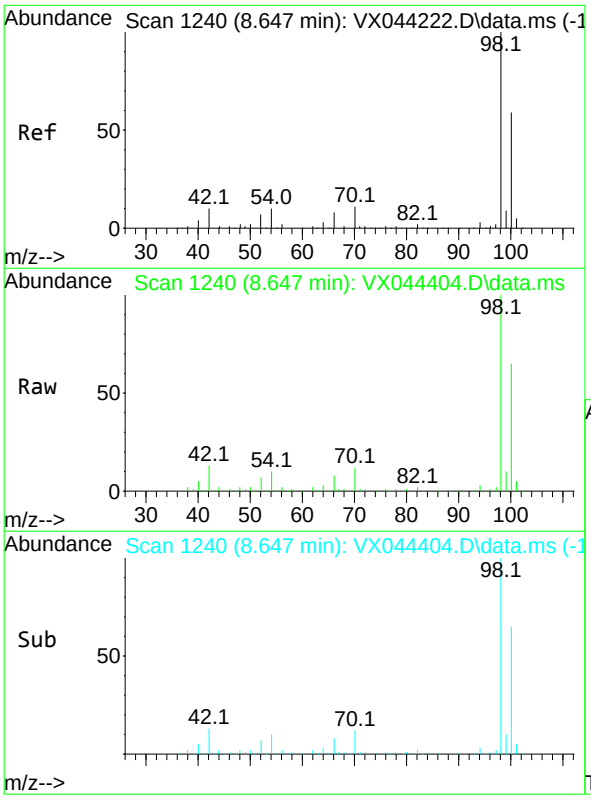

#44
Trichloroethene
Concen: 96.301 ug/l
RT: 7.123 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Tgt Ion:130 Resp: 129798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.6 | 0.0 | 201.4 |

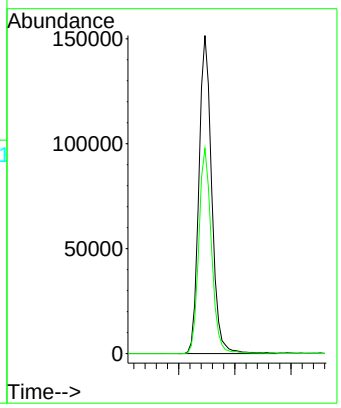


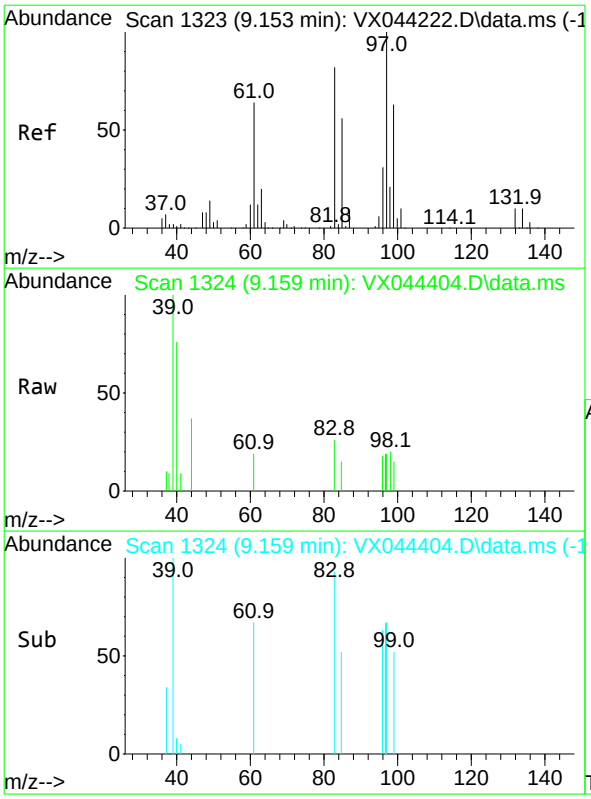




#50
Toluene-d8
Concen: 51.549 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 98 Resp: 239506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 51.5 | 77.3 |



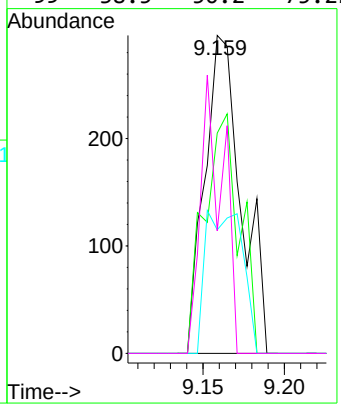


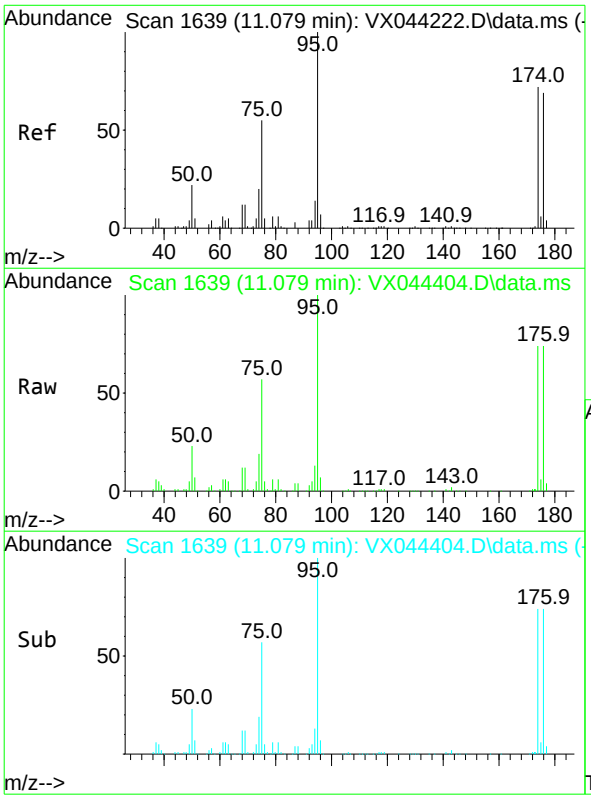

#55
1,1,2-Trichloroethane
Concen: 0.343 ug/l
RT: 9.159 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Tgt Ion: 97 Resp: 462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 69.3 | 65.3 | 97.9 |
| 85 | 38.9 | 44.6 | 67.0# |
| 99 | 38.5 | 50.2 | 75.2# |

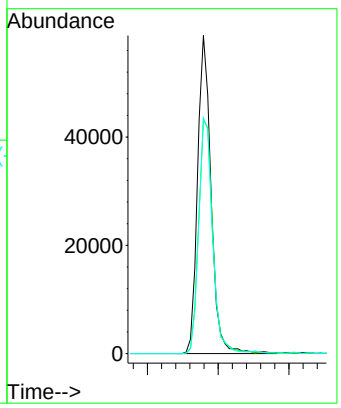


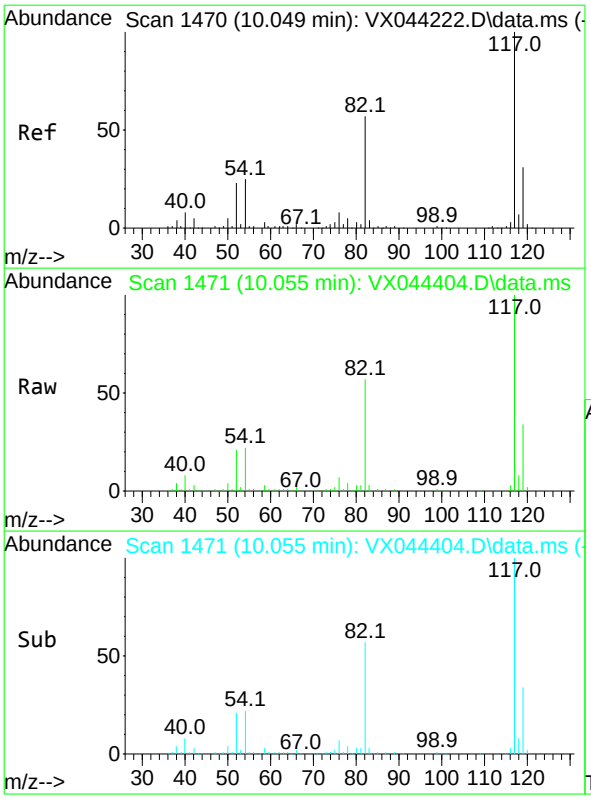




#62
4-Bromofluorobenzene
Concen: 47.967 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 95 Resp: 77874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.9 | 0.0 | 145.8 |
| 176 | 75.5 | 0.0 | 137.8 |



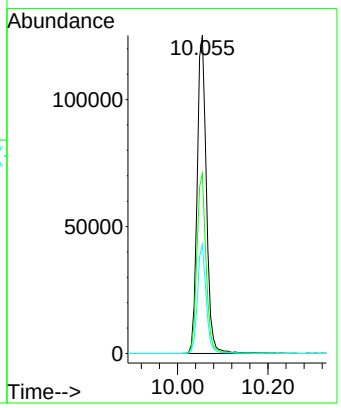


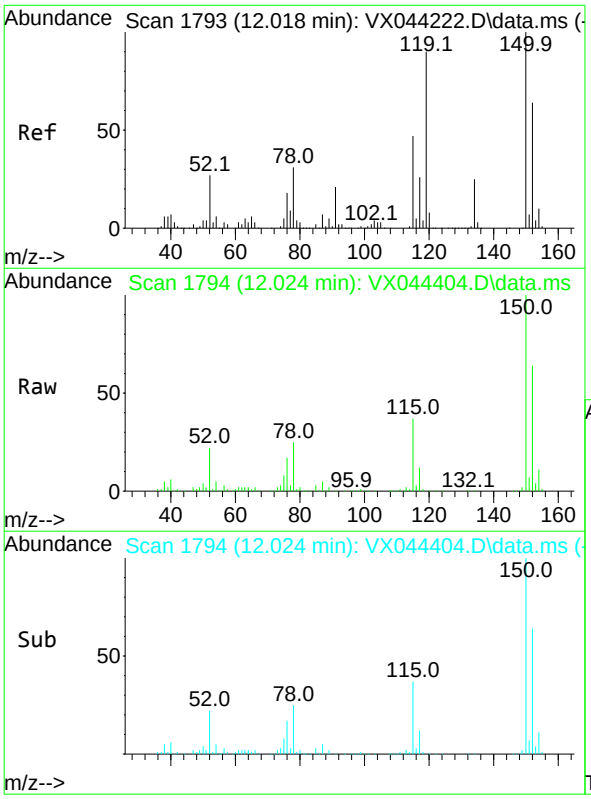

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D2-20241216

Tgt Ion:117 Resp: 177204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.5 | 45.8 | 68.8 |
| 119 | 34.3 | 25.0 | 37.4 |

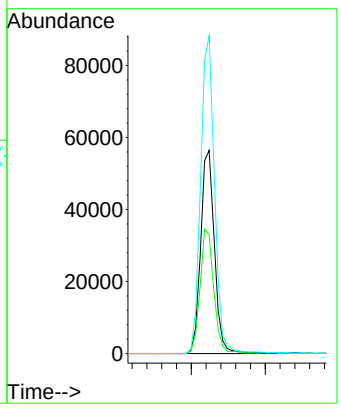



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion:152 Resp: 73178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.8 | 44.5 | 133.3 |
| 150 | 157.3 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT163S1-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-05 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044405.D | 1 | | 12/19/24 01:47 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.40 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.35 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 1.00 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044405.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT163S1-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-05 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044405.D | 1 | | 12/19/24 01:47 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.0 | | 81 - 118 | | 90% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.2 | | 80 - 119 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.9 | | 89 - 112 | | 106% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.8 | | 85 - 114 | | 94% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 107000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 188000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 168000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 67500 | 12.024 | | | | |

Raw Data: **VX044405.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT163S1-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-05 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044405.D | 1 | | 12/19/24 01:47 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044405.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044405.D
Acq On : 19 Dec 2024 01:47
Operator : JC/MD
Sample : P5317-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT163S1-20241216

Quant Time: Dec 19 05:08:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 107084 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 188252 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 168467 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 67456 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 84491 | 45.001 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 90.000% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 62780 | 48.151 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.300% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 232616 | 52.883 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 105.760% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 71922 | 46.793 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 93.580% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.294 | 50 | 495 | 0.313 | ug/l # | 80 |
| 16) Acetone | 2.380 | 43 | 1086 | 1.419 | ug/l # | 68 |
| 20) Methylene Chloride | 2.788 | 84 | 506 | 0.352 | ug/l # | 79 |
| 44) Trichloroethene | 7.135 | 130 | 1312 | 1.028 | ug/l | 66 |

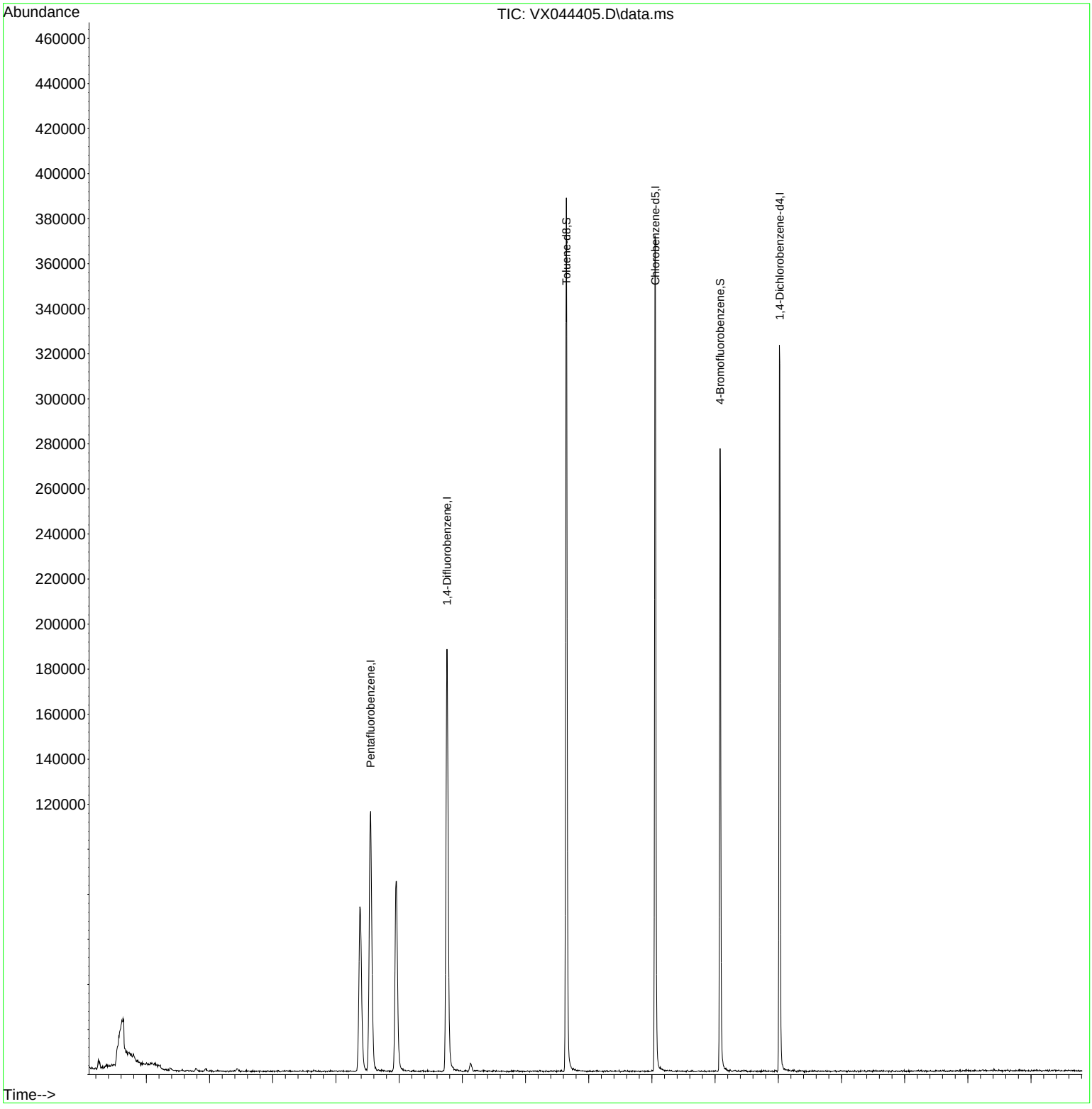
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VX044405.D**

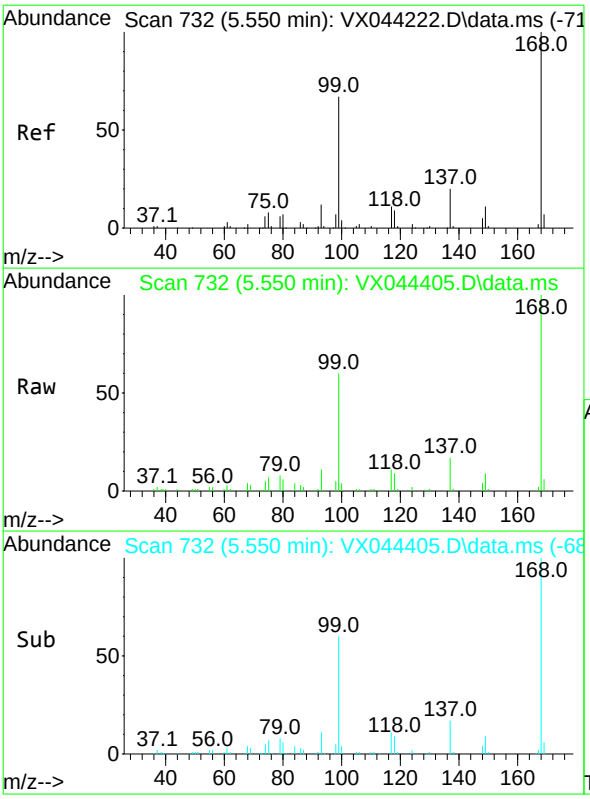
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044405.D
Acq On : 19 Dec 2024 01:47
Operator : JC/MD
Sample : P5317-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT163S1-20241216

Quant Time: Dec 19 05:08:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



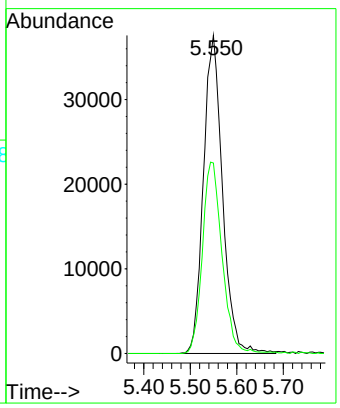
**Instrument :**
MSVOA_X
**ClientSampleId :**
TT163S1-20241216

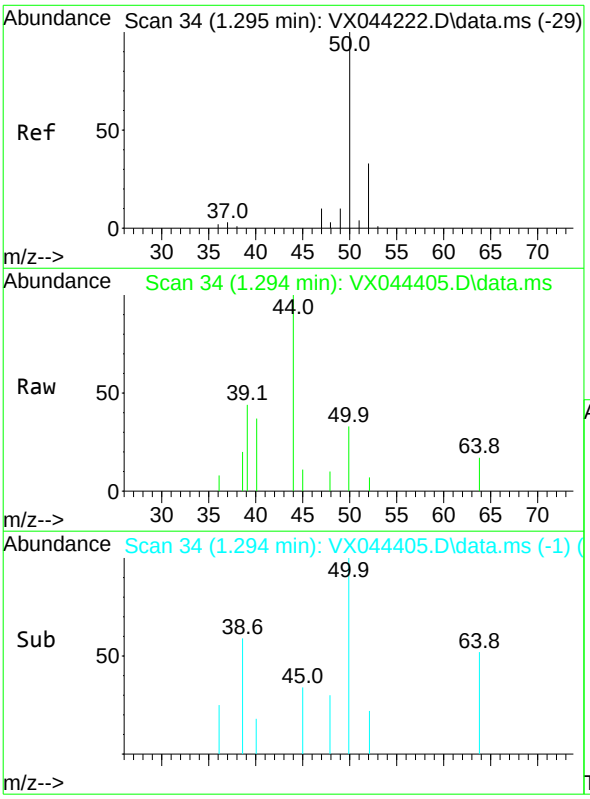



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

Tgt Ion:168 Resp: 107084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.9 | 53.4 | 80.0 |

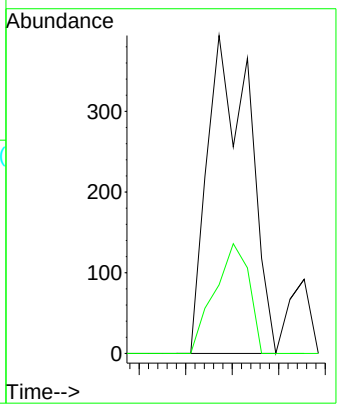


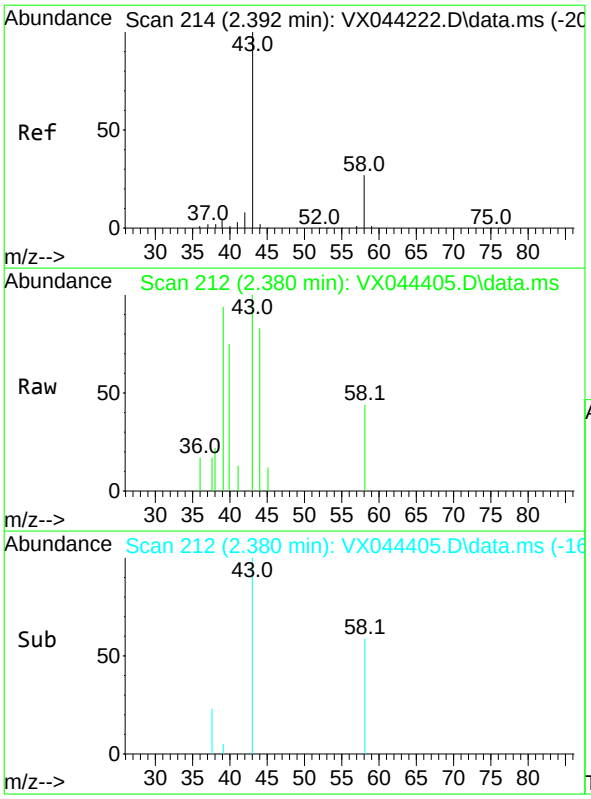




#3
Chloromethane
Concen: 0.313 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

Tgt Ion: 50 Resp: 495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 21.6 | 26.5 | 39.7# |



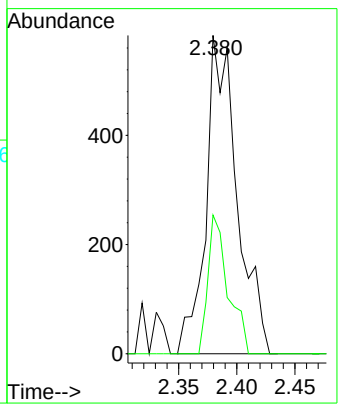


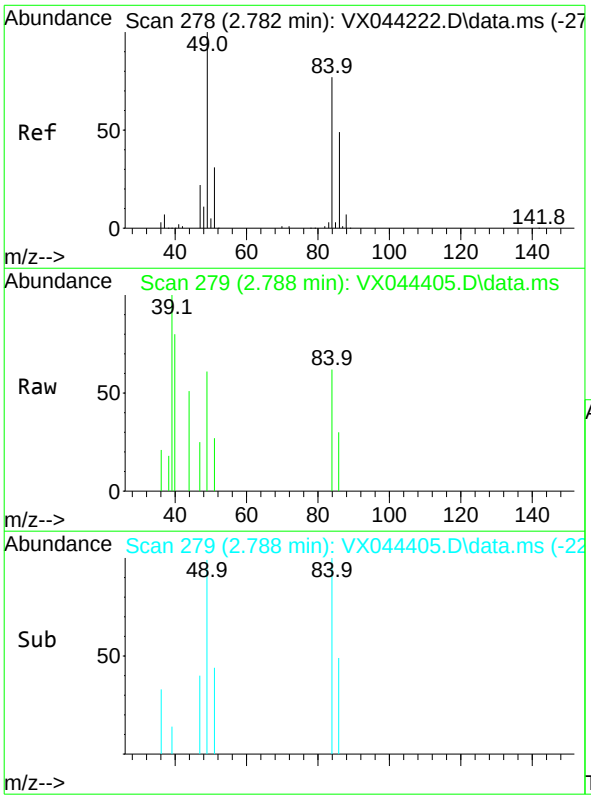

#16
Acetone
Concen: 1.419 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT163S1-20241216

Tgt Ion: 43 Resp: 1086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 43.6 | 21.6 | 32.4# |

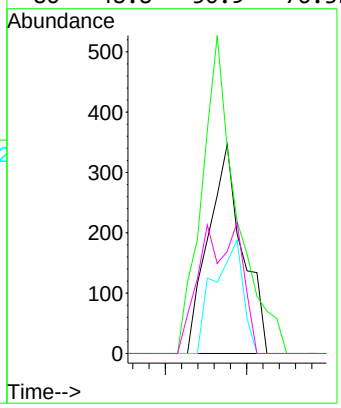


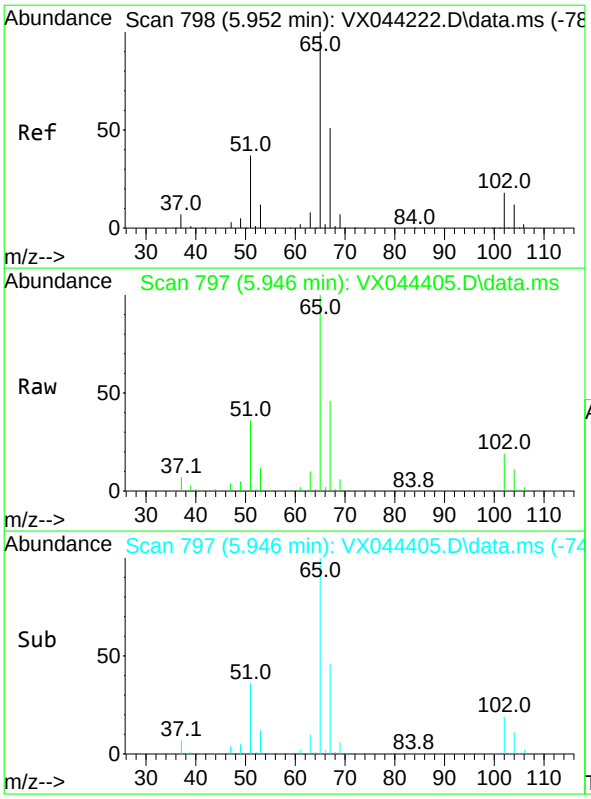




#20
Methylene Chloride
Concen: 0.352 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

Tgt Ion: 84 Resp: 506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 98.6 | 104.2 | 156.4# |
| 51 | 43.9 | 32.2 | 48.4 |
| 86 | 48.8 | 50.9 | 76.3# |



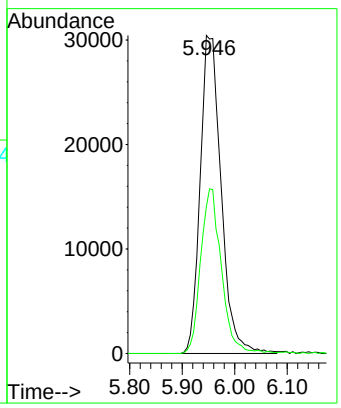


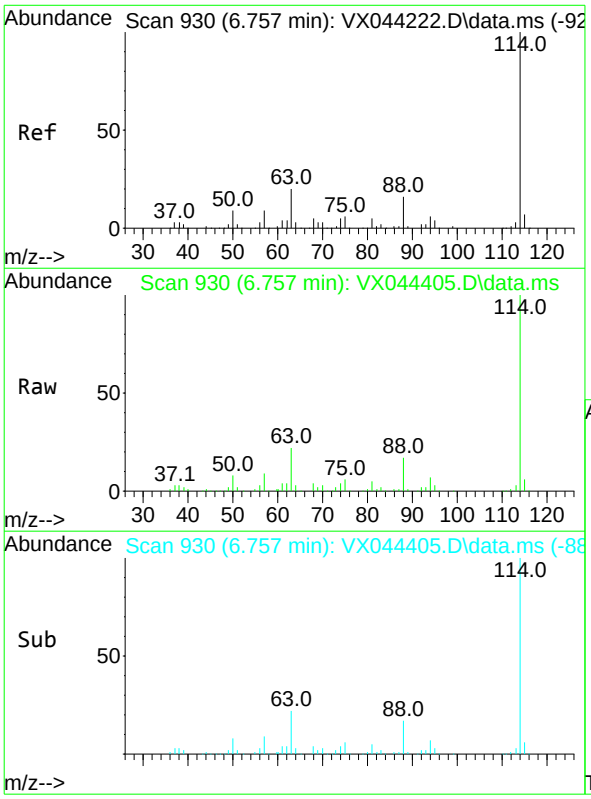

#33
1,2-Dichloroethane-d4
Concen: 45.001 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT163S1-20241216

Tgt Ion: 65 Resp: 84491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 101.6 |

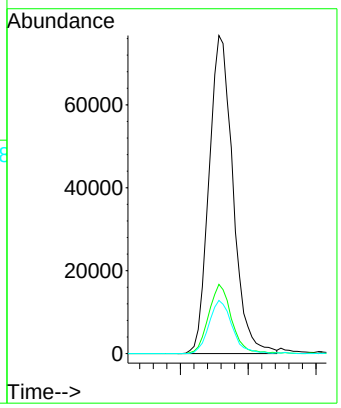


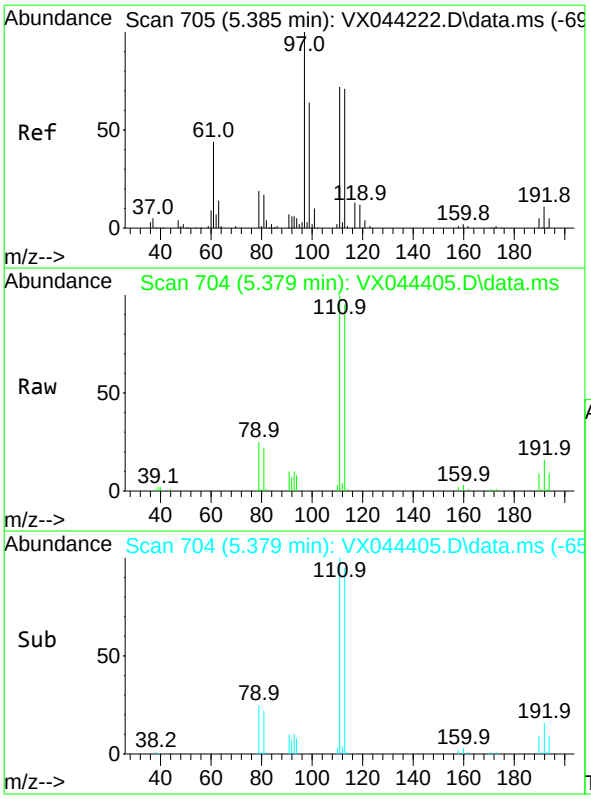




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

Tgt Ion:114 Resp: 188252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 40.6 |
| 88 | 16.7 | 0.0 | 31.8 |



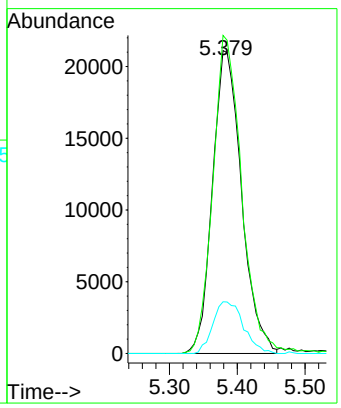


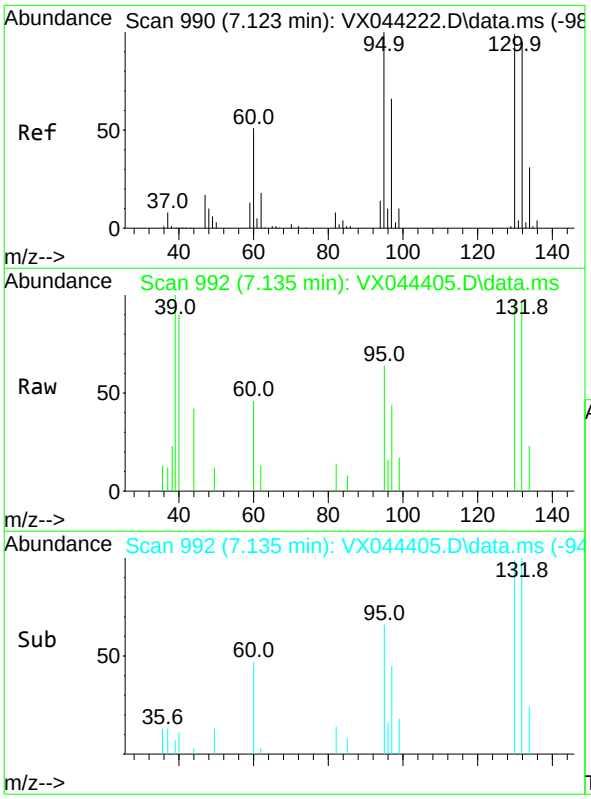

#35
Dibromofluoromethane
Concen: 48.151 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT163S1-20241216

Tgt Ion:113 Resp: 62780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.1 | 80.4 | 120.6 |
| 192 | 18.0 | 13.3 | 19.9 |

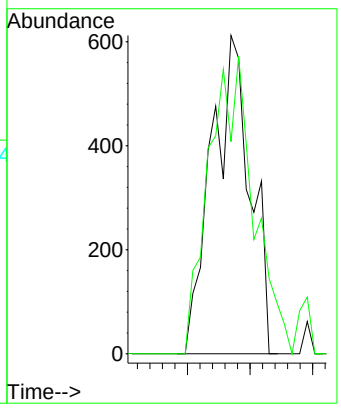


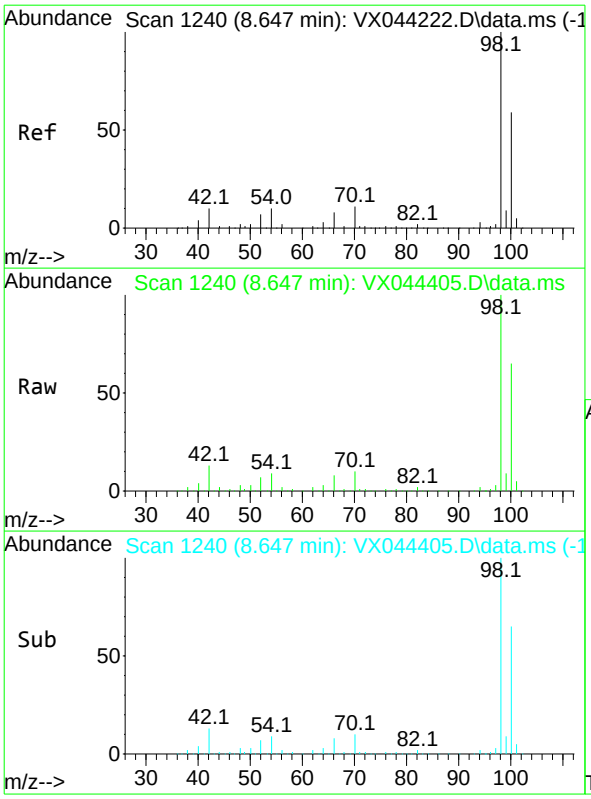




#44
Trichloroethene
Concen: 1.028 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

Tgt Ion:130 Resp: 1312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 66.7 | 0.0 | 201.4 |



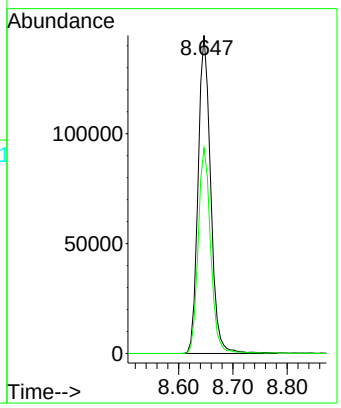


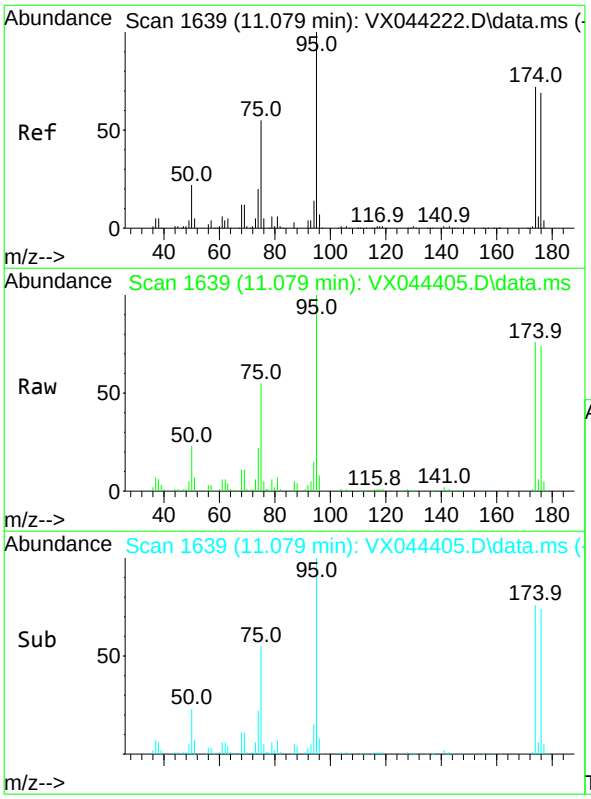

#50
Toluene-d8
Concen: 52.883 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT163S1-20241216

Tgt Ion: 98 Resp: 232616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.1 | 51.5 | 77.3 |

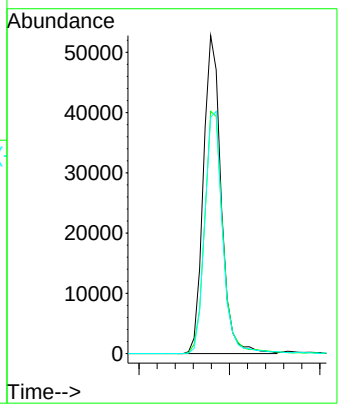


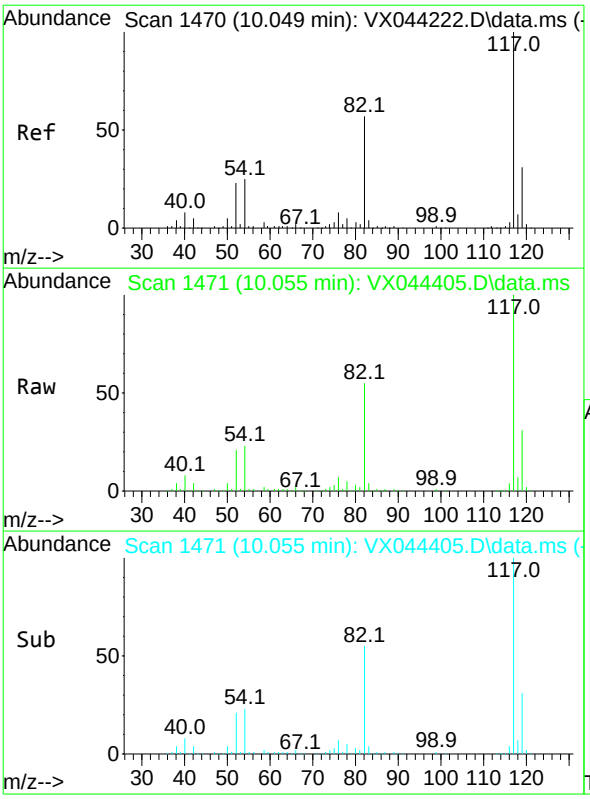




#62
4-Bromofluorobenzene
Concen: 46.793 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

Tgt Ion: 95 Resp: 71922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.2 | 0.0 | 145.8 |
| 176 | 76.8 | 0.0 | 137.8 |



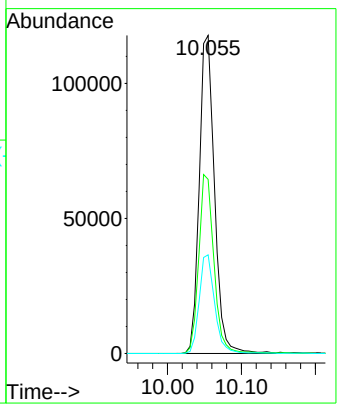


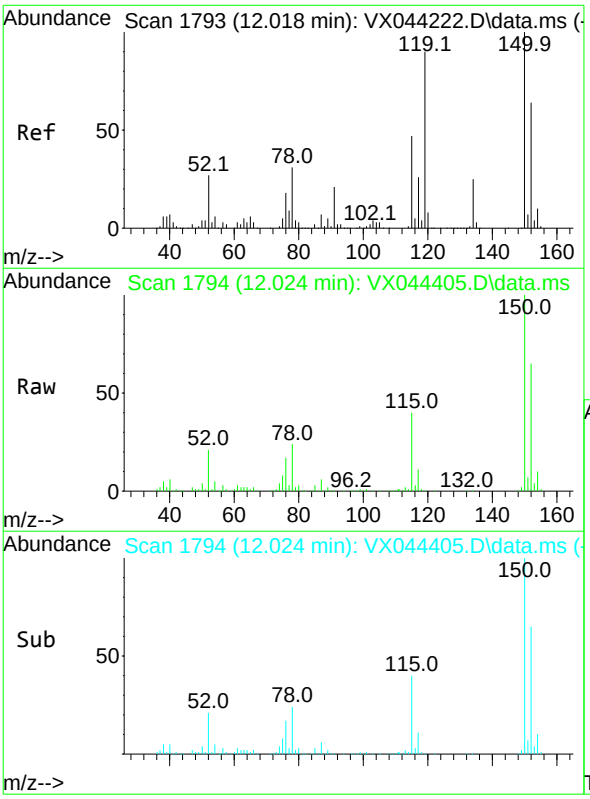

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT163S1-20241216

Tgt Ion:117 Resp: 168467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.7 | 45.8 | 68.8 |
| 119 | 31.0 | 25.0 | 37.4 |

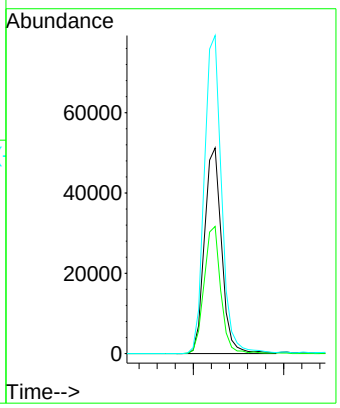



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044405.D
Acq: 19 Dec 2024 01:47

Tgt Ion:152 Resp: 67456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.2 | 44.5 | 133.3 |
| 150 | 155.6 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | DUP-04-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-06 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044487.D | 1 | | 12/23/24 17:54 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.69 | J | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.52 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.70 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.64 | J | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.30 | J | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.43 | J | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 9.70 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044487.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
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| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | DUP-04-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-06 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044487.D | 1 | | 12/23/24 17:54 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 42.8 | | 81 - 118 | | 86% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.7 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.6 | | 89 - 112 | | 105% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.4 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 141000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 245000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 208000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 92700 | 12.018 | | | | |

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| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | DUP-04-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-06 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044487.D | 1 | | 12/23/24 17:54 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044487.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044487.D
Acq On : 23 Dec 2024 17:54
Operator : JC/MD
Sample : P5317-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 23 22:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 141229 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 244942 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 208216 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 92708 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 105913 | 42.772 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 85.540% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 82591 | 48.685 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.360% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 300884 | 52.572 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 105.140% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 96839 | 48.423 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 1508 | 0.691 | ug/l | 97 |
| 3) Chloromethane | 1.295 | 50 | 1090 | 0.522 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 2977 | 1.727 | ug/l | 95 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 1007 | 0.636 | ug/l # | 76 |
| 16) Acetone | 2.380 | 43 | 1142 | 1.131 | ug/l # | 88 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 639 | 0.299 | ug/l | 77 |
| 30) Chloroform | 5.099 | 83 | 1586m | 0.427 | ug/l | |
| 44) Trichloroethene | 7.129 | 130 | 16176 | 9.743 | ug/l | 81 |

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

Sample Results: **VX044487.D**

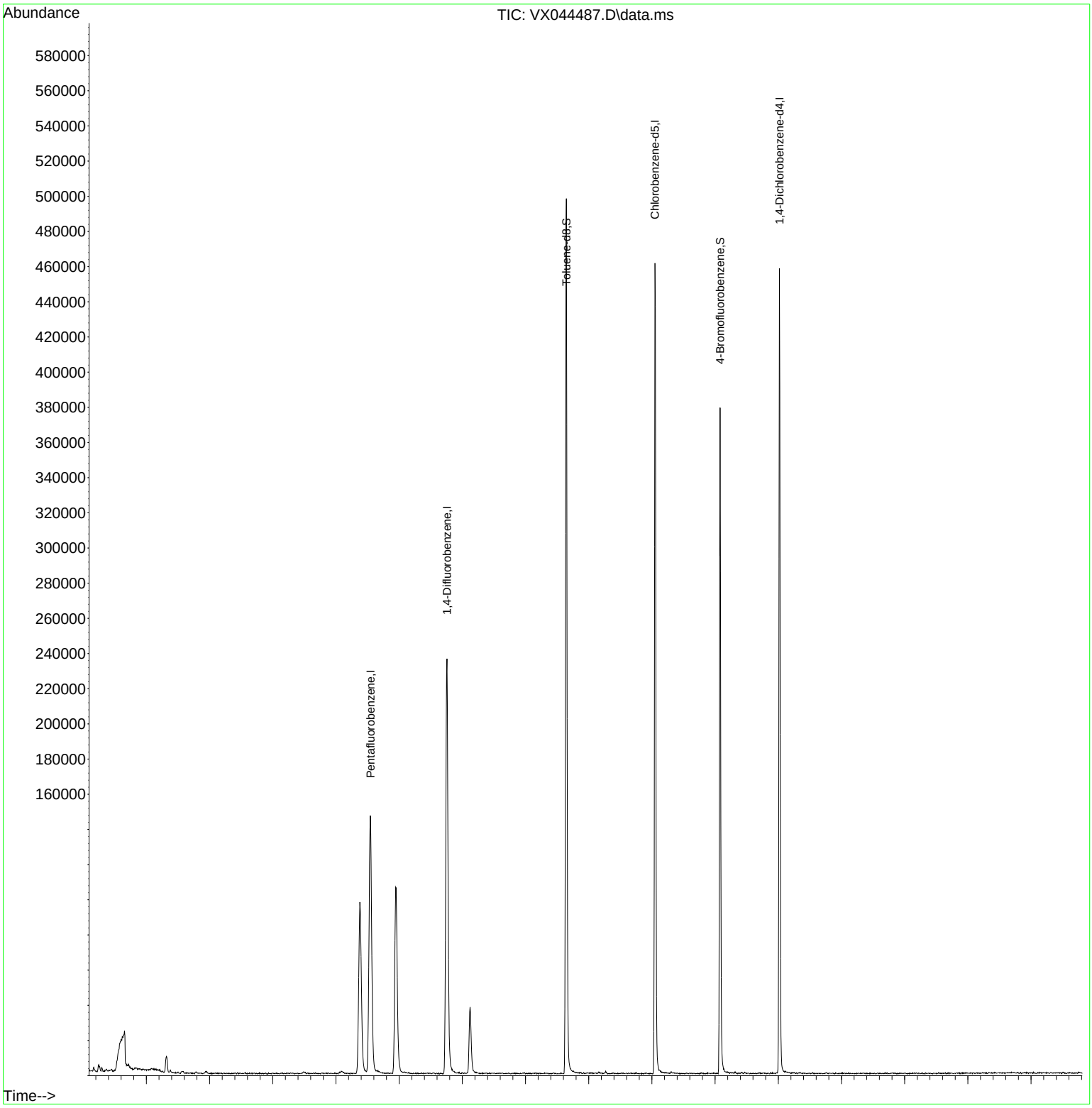
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044487.D
Acq On : 23 Dec 2024 17:54
Operator : JC/MD
Sample : P5317-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

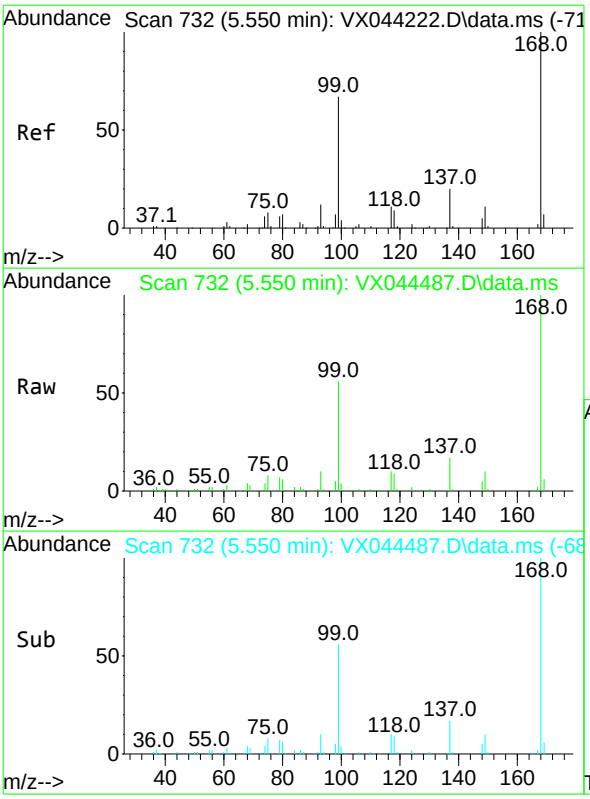
Quant Time: Dec 23 22:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

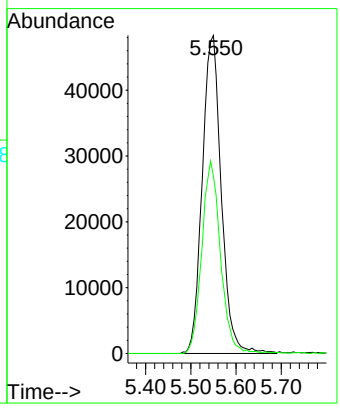





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:168 Resp: 141229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.8 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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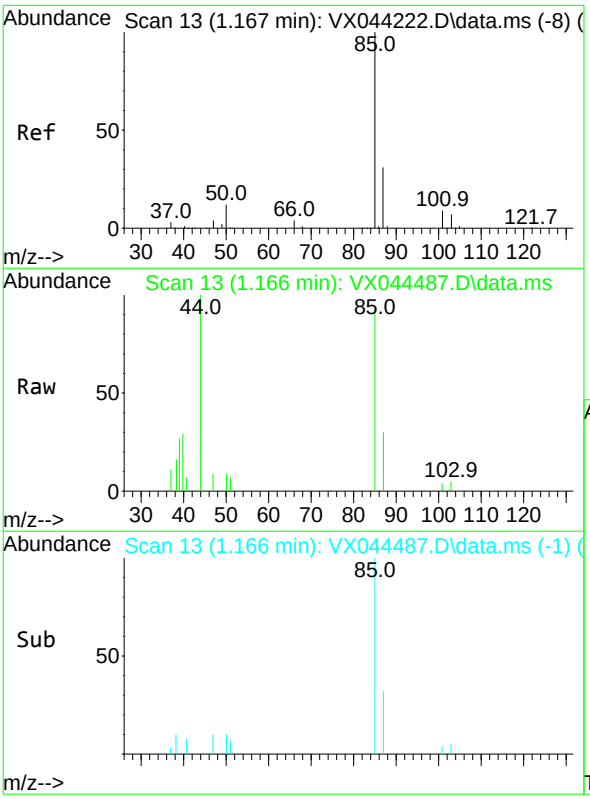
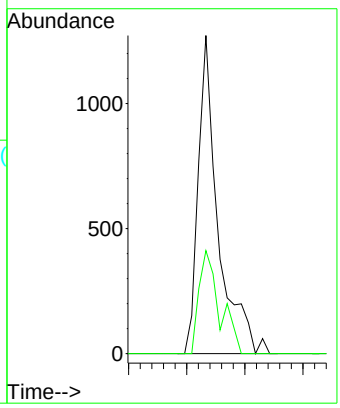
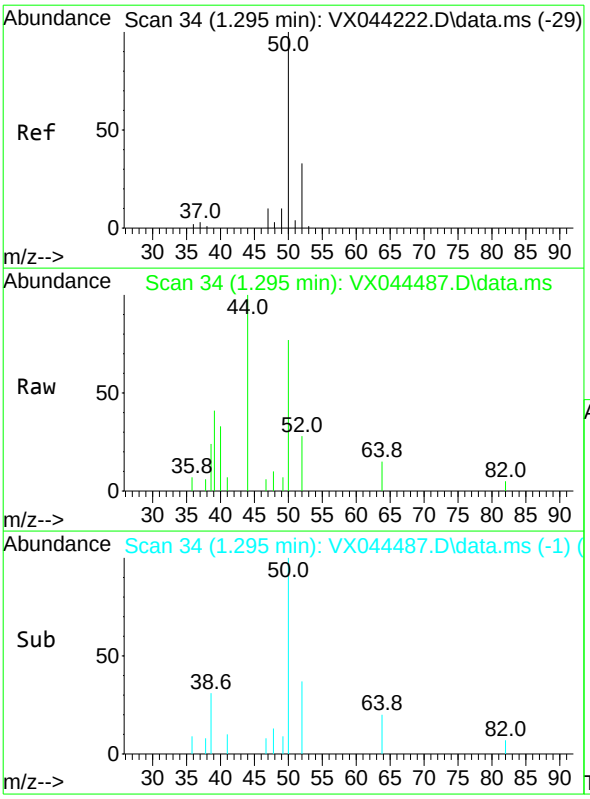



#2
Dichlorodifluoromethane
Concen: 0.691 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 85 Resp: 1508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 15.4 | 46.4 |






#3
Chloromethane
Concen: 0.522 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 50 Resp: 1090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.9 | 26.5 | 39.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

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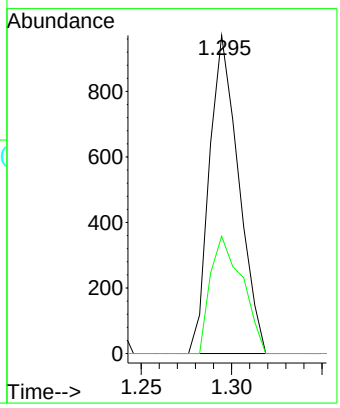
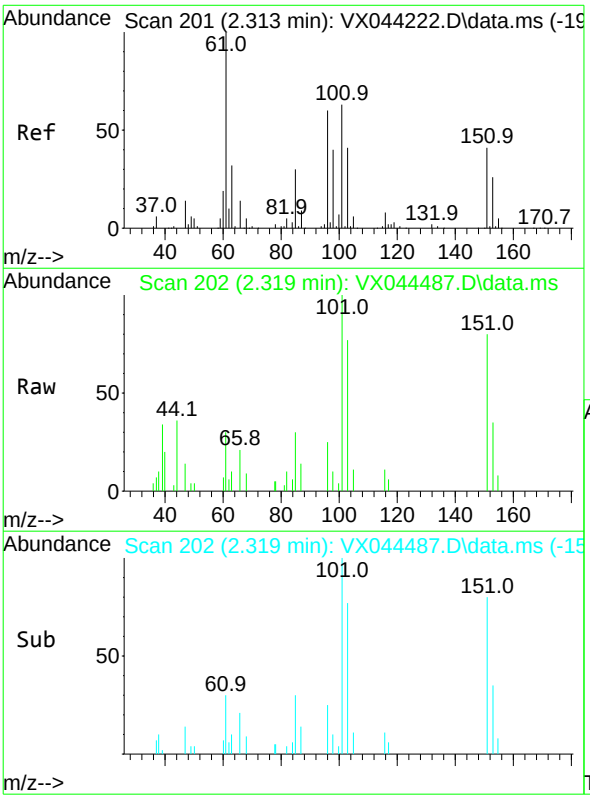
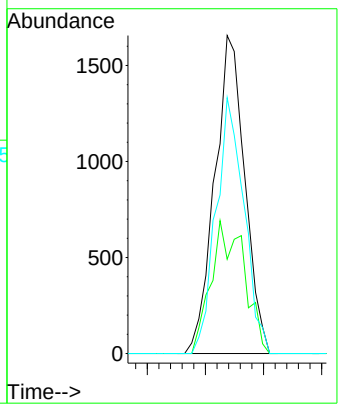


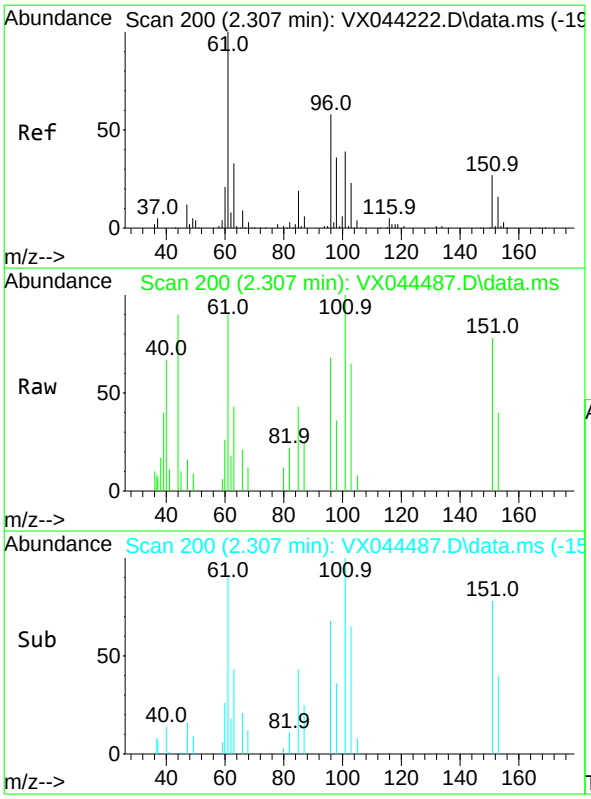




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.727 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:101 Resp: 2977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 38.5 | 57.7 |
| 151 | 75.1 | 55.8 | 83.6 |






#12
1,1-Dichloroethene
Concen: 0.636 ug/l
RT: 2.307 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

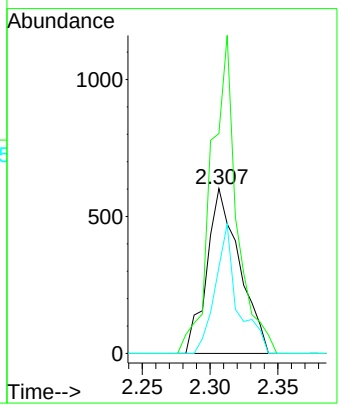
Tgt Ion: 96 Resp: 1007

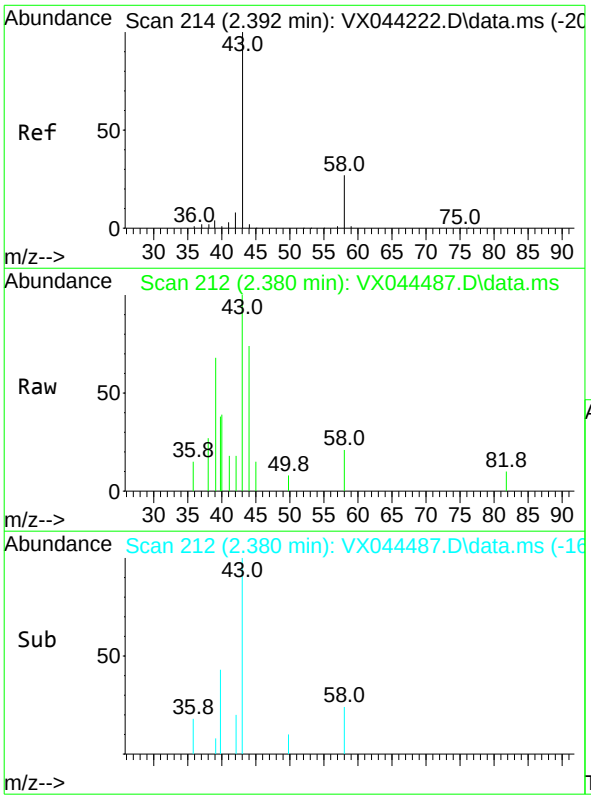
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.4 | 138.0 | 207.0# |
| 98 | 52.3 | 50.0 | 75.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

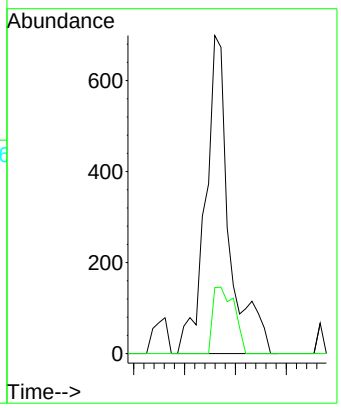


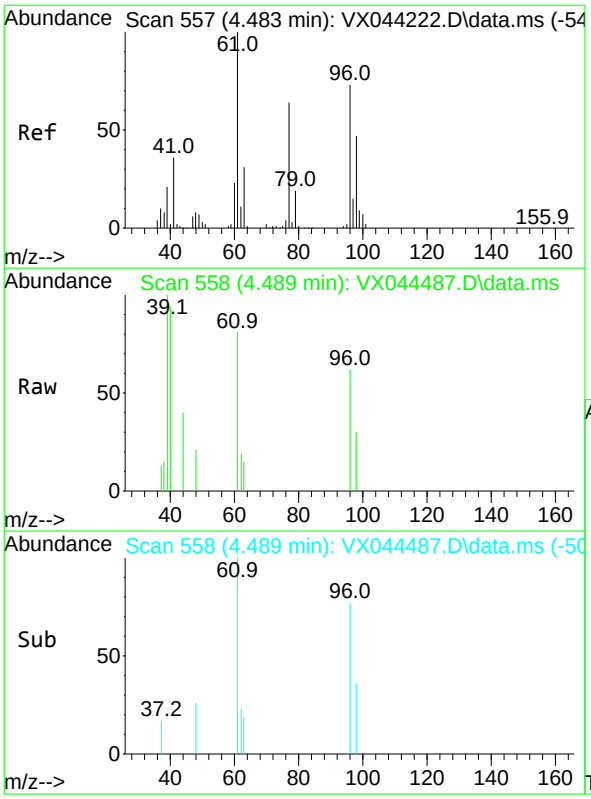




#16
Acetone
Concen: 1.131 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 43 Resp: 1142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 20.7 | 21.6 | 32.4# |






#27
cis-1,2-Dichloroethene
Concen: 0.299 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

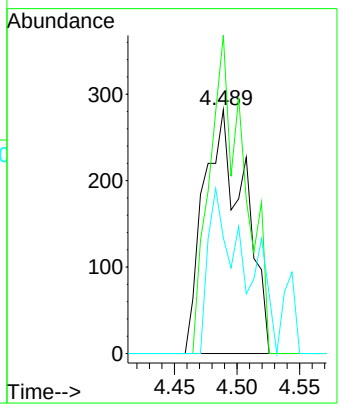
Tgt Ion: 96 Resp: 639

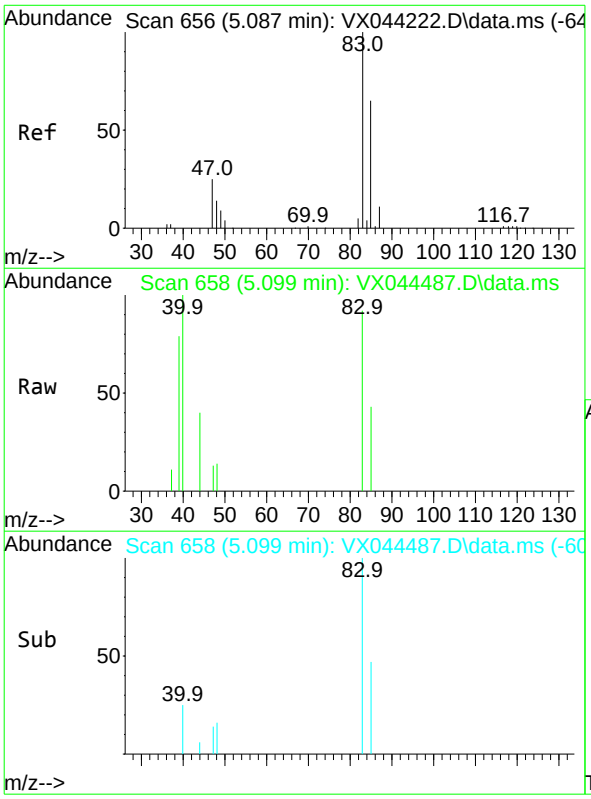
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 111.0 | 0.0 | 299.0 |
| 98 | 60.7 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

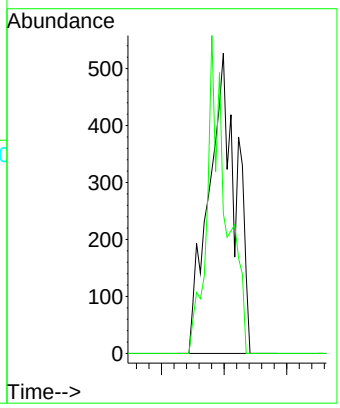


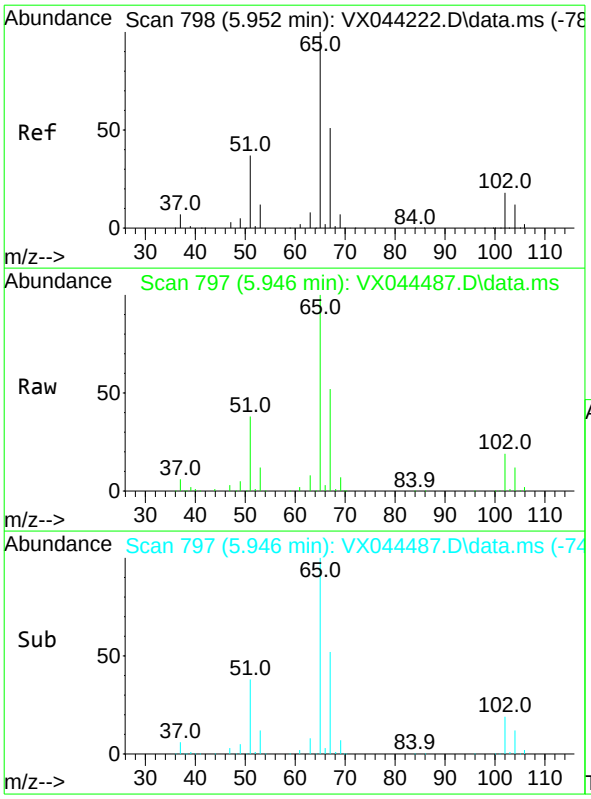




#30
Chloroform
Concen: 0.427 ug/l m
RT: 5.099 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 83 Resp: 1586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 46.7 | 51.6 | 77.4# |

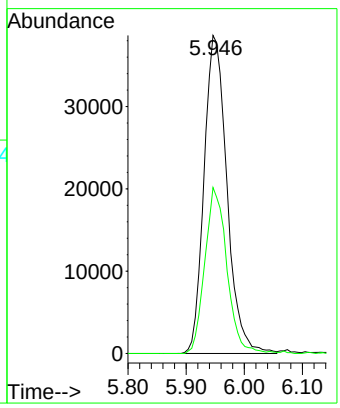





#33
1,2-Dichloroethane-d4
Concen: 42.772 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 65 Resp: 105913

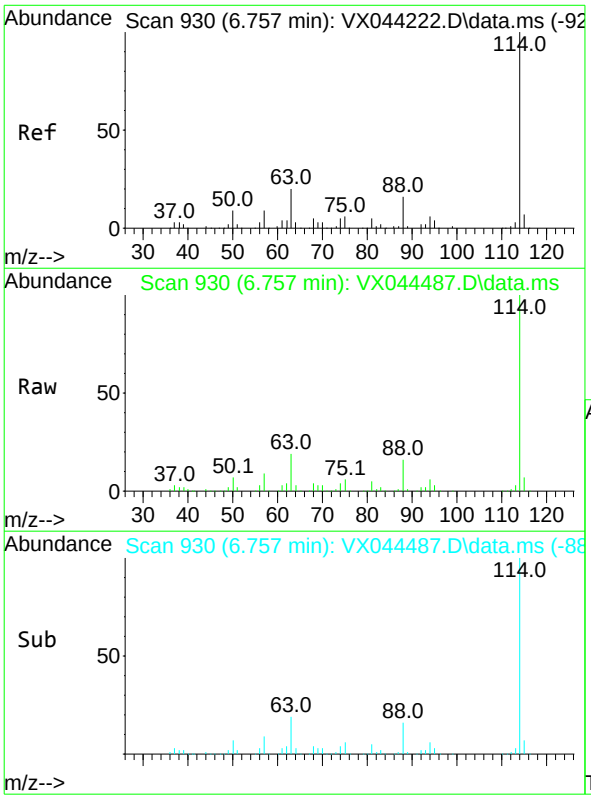
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.3 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

**Manual Integrations**
**APPROVED**

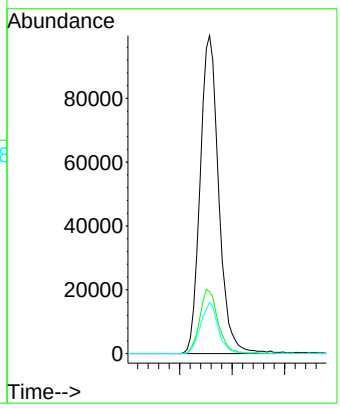
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

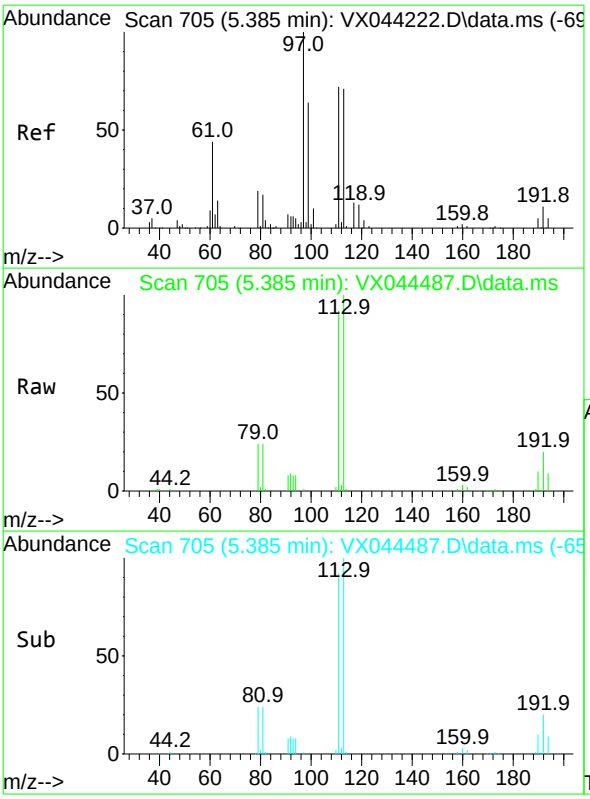



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:114 Resp: 244942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 40.6 |
| 88 | 16.1 | 0.0 | 31.8 |






#35
Dibromofluoromethane
Concen: 48.685 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

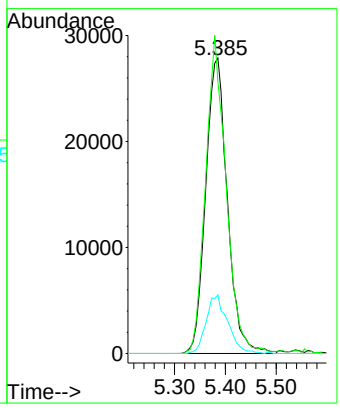
Tgt Ion:113 Resp: 82591

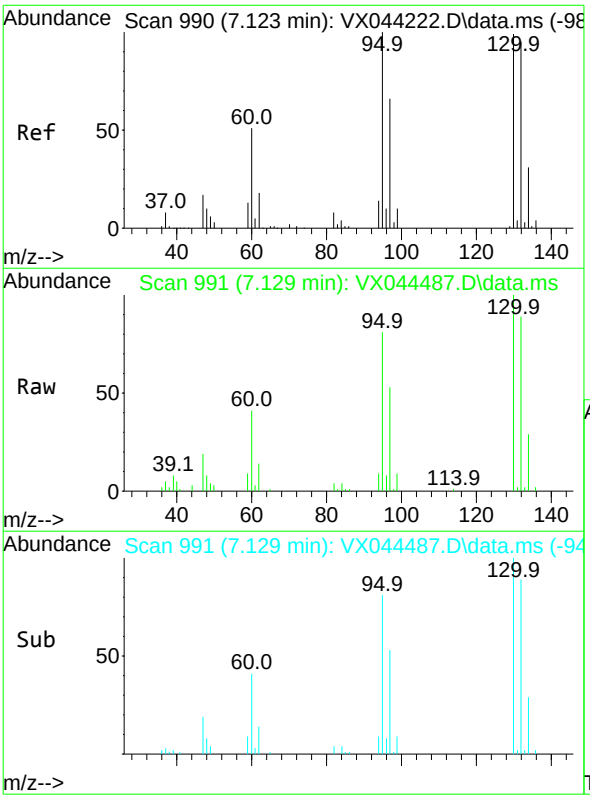
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 80.4 | 120.6 |
| 192 | 19.6 | 13.3 | 19.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

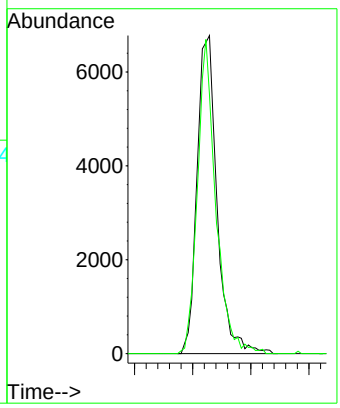


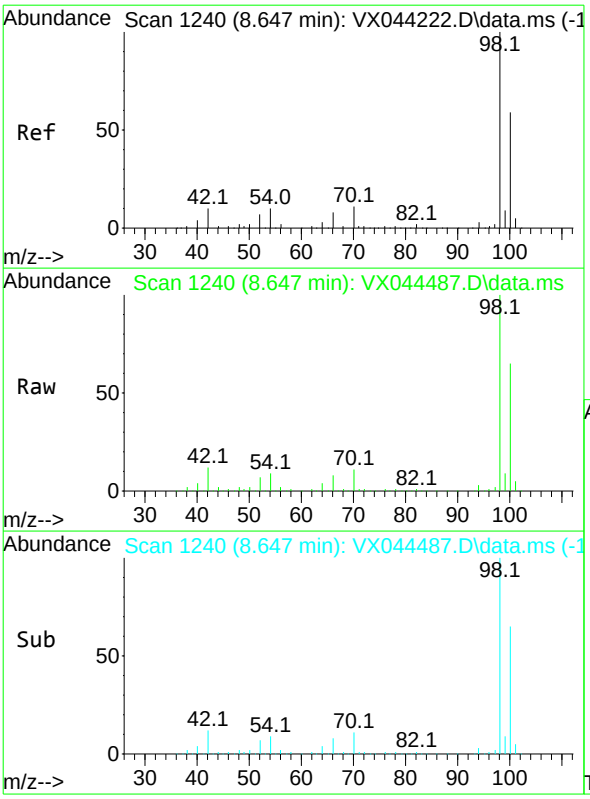




#44
Trichloroethene
Concen: 9.743 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:130 Resp: 16176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 81.5 | 0.0 | 201.4 |






#50
Toluene-d8
Concen: 52.572 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

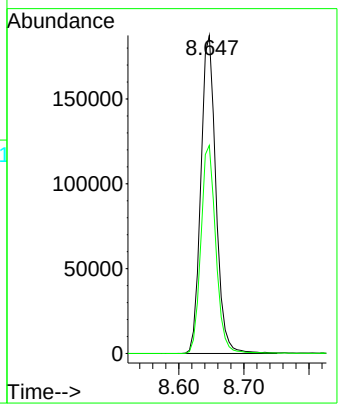
Tgt Ion: 98 Resp: 300884

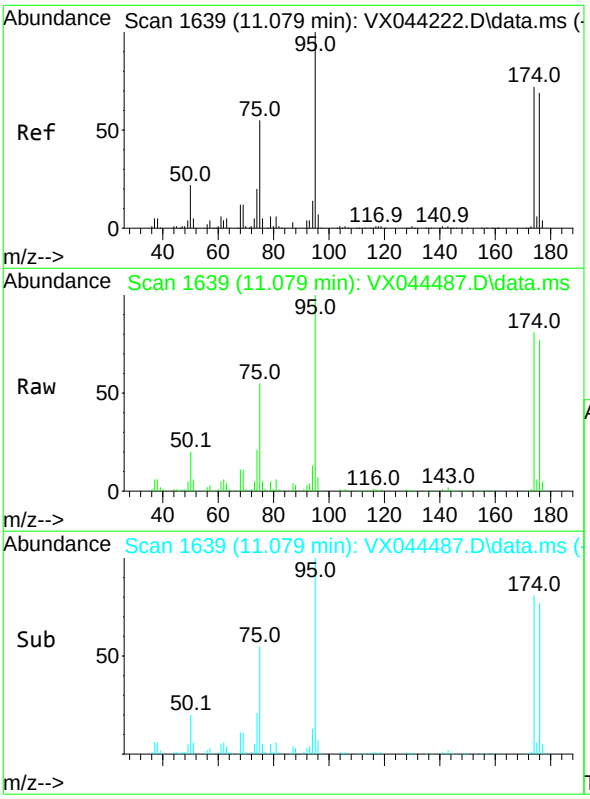
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 51.5 | 77.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

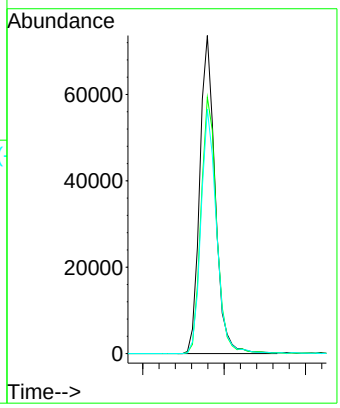


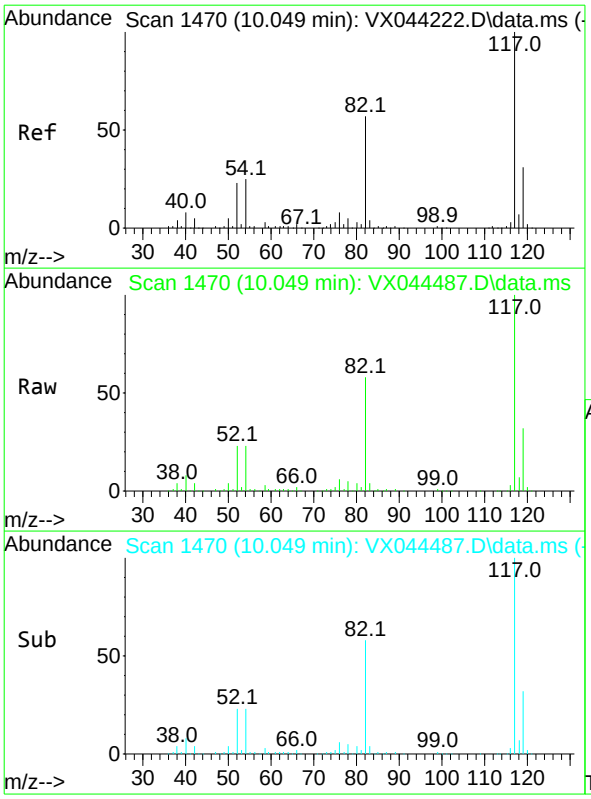




#62
4-Bromofluorobenzene
Concen: 48.423 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 95 Resp: 96839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.0 | 0.0 | 145.8 |
| 176 | 77.6 | 0.0 | 137.8 |

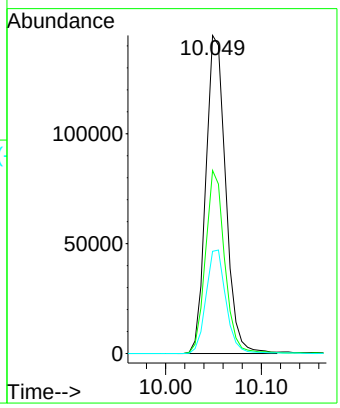





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:117 Resp: 208216

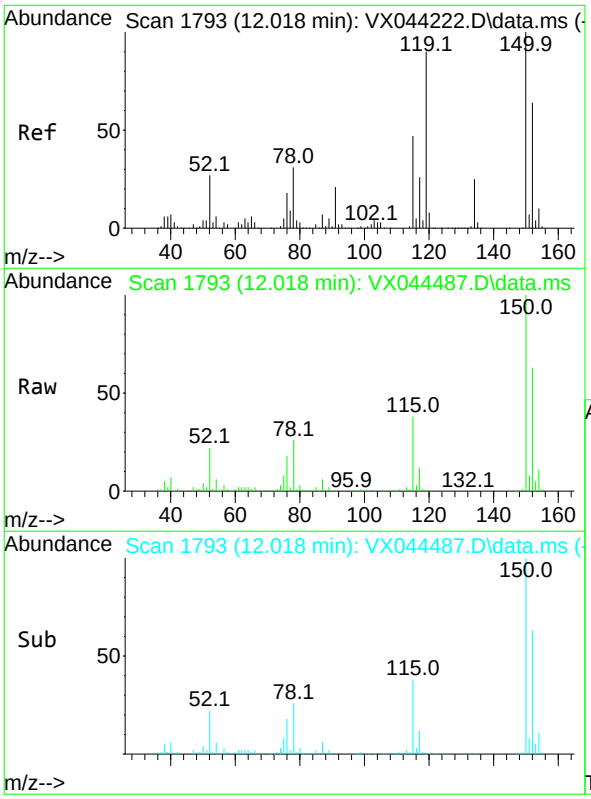
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.5 | 45.8 | 68.8 |
| 119 | 32.1 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

**Manual Integrations**
**APPROVED**

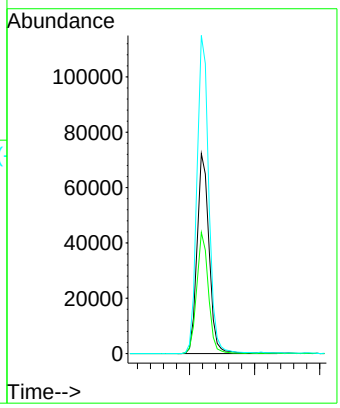
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:152 Resp: 92708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.8 | 44.5 | 133.3 |
| 150 | 156.6 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01S-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-07 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044406.D | 1 | | 12/19/24 02:10 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.62 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.60 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.35 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.62 | J | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01S-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-07 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044406.D | 1 | | 12/19/24 02:10 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.5 | | 81 - 118 | | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.9 | | 80 - 119 | | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.0 | | 89 - 112 | | 104% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.3 | | 85 - 114 | | 93% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 109000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 196000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 169000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 66600 | 12.024 | | | | |

Raw Data: **VX044406.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01S-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-07 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044406.D | 1 | | 12/19/24 02:10 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044406.D
Acq On : 19 Dec 2024 02:10
Operator : JC/MD
Sample : P5317-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01S-20241216

Quant Time: Dec 19 05:08:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 108582 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 195784 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 169226 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 66576 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 86639 | 45.509 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.020% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 63576 | 46.886 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.780% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 237663 | 51.952 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.900% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 73978 | 46.279 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 92.560% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.294 | 50 | 996 | 0.620 | ug/l # | 79 |
| 16) Acetone | 2.386 | 43 | 1253 | 1.614 | ug/l | 91 |
| 20) Methylene Chloride | 2.794 | 84 | 504 | 0.346 | ug/l # | 69 |
| 44) Trichloroethene | 7.147 | 130 | 823 | 0.620 | ug/l | 64 |

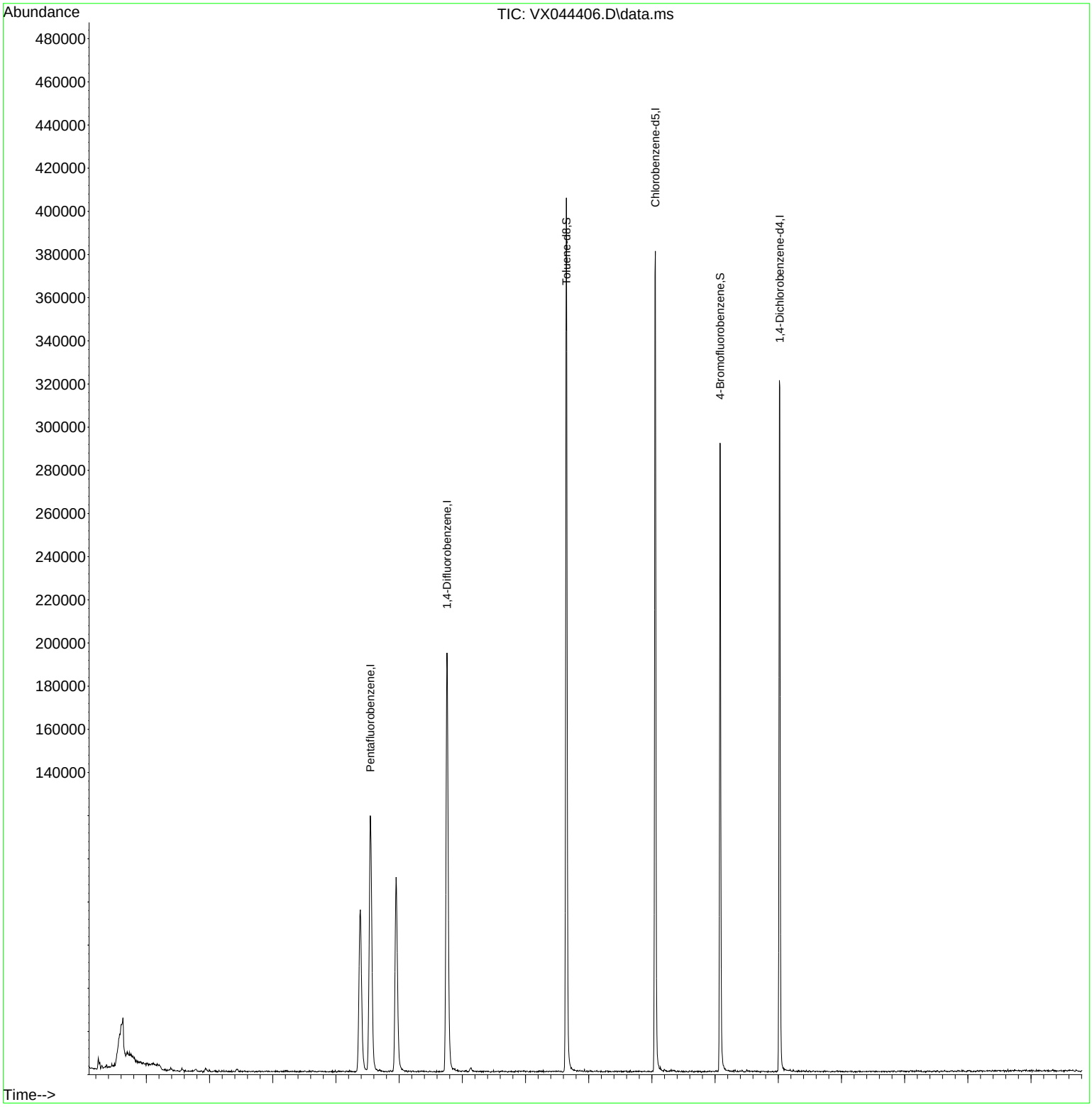
(#) = qualifier out of range (m) = manual integration (+) = signals summed

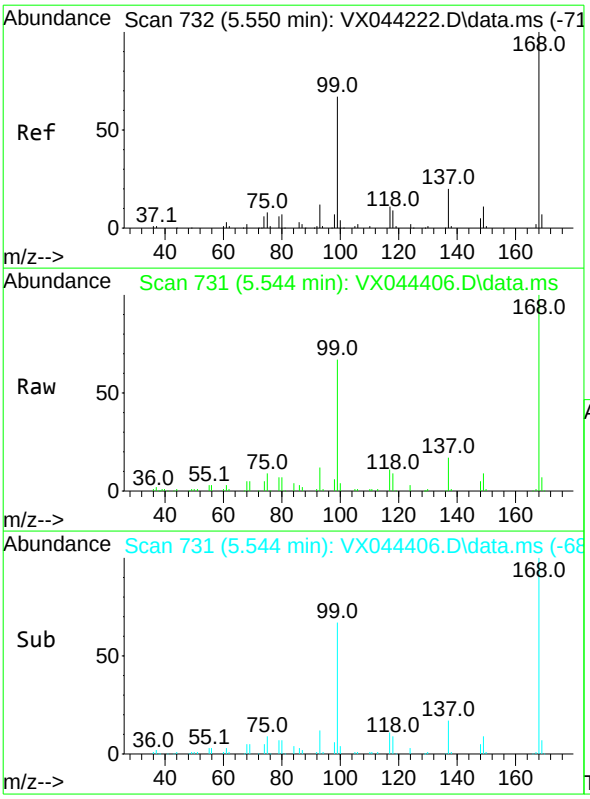
Sample Results: **VX044406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044406.D
Acq On : 19 Dec 2024 02:10
Operator : JC/MD
Sample : P5317-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01S-20241216

Quant Time: Dec 19 05:08:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



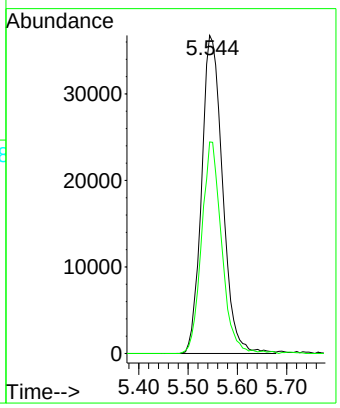


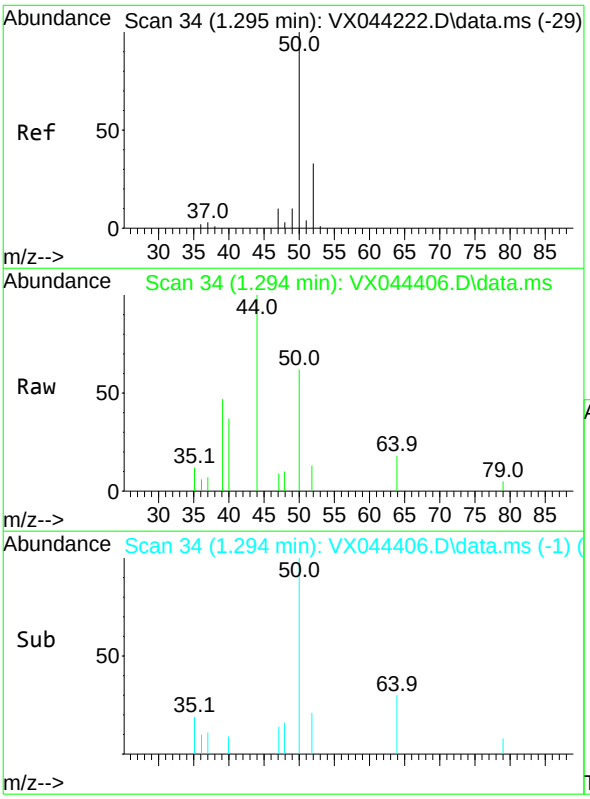

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01S-20241216

Tgt Ion:168 Resp: 108582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.5 | 53.4 | 80.0 |

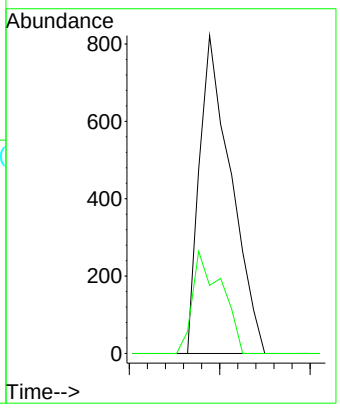


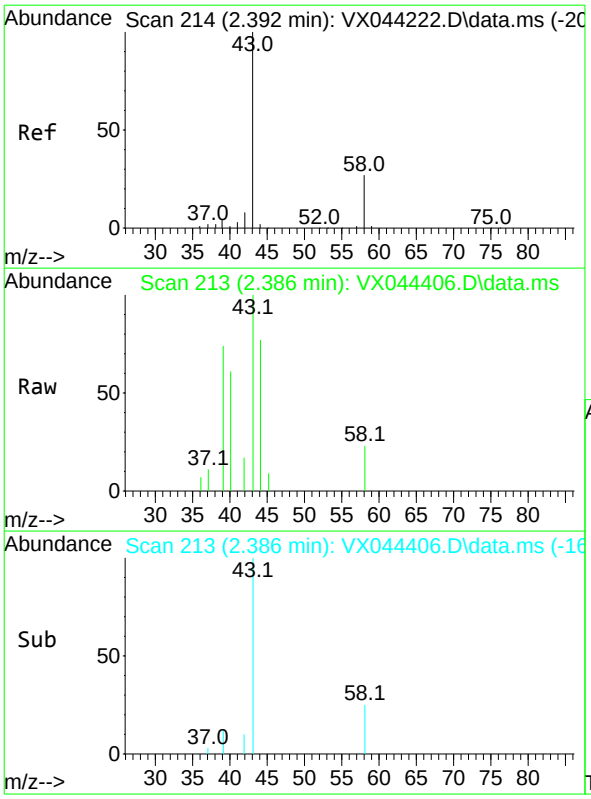




#3
Chloromethane
Concen: 0.620 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

Tgt Ion: 50 Resp: 996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 21.4 | 26.5 | 39.7# |



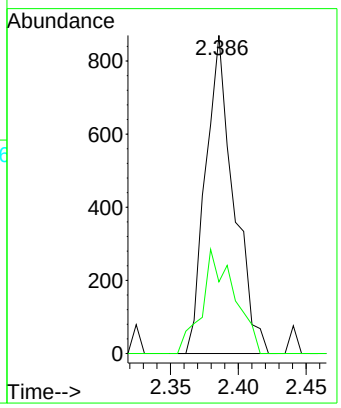


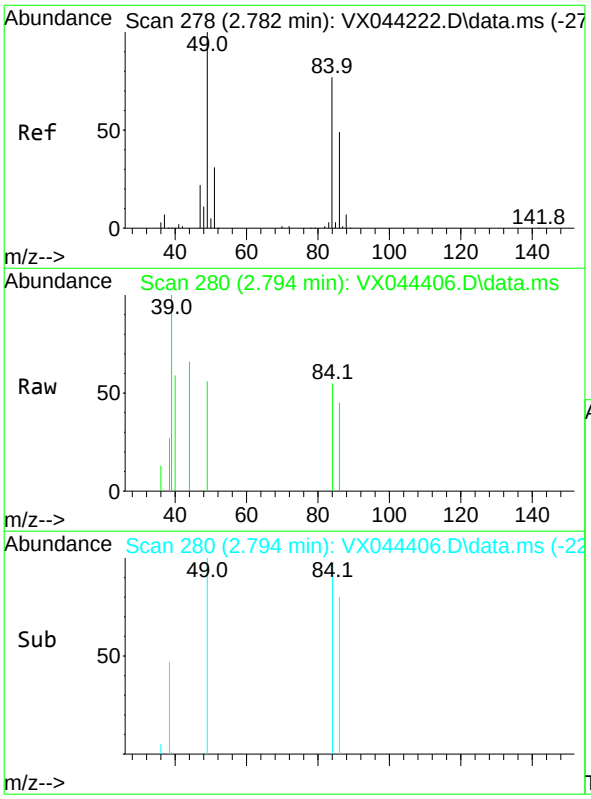

#16
Acetone
Concen: 1.614 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01S-20241216

Tgt Ion: 43 Resp: 1253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.5 | 21.6 | 32.4 |

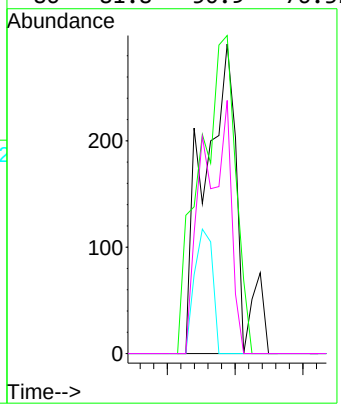


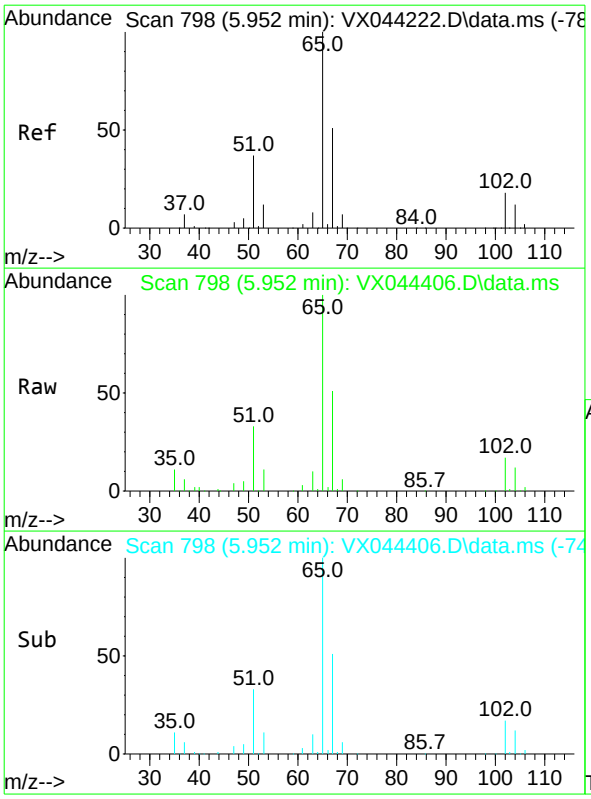




#20
Methylene Chloride
Concen: 0.346 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

Tgt Ion: 84 Resp: 504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 102.7 | 104.2 | 156.4# |
| 51 | 0.0 | 32.2 | 48.4# |
| 86 | 81.8 | 50.9 | 76.3# |



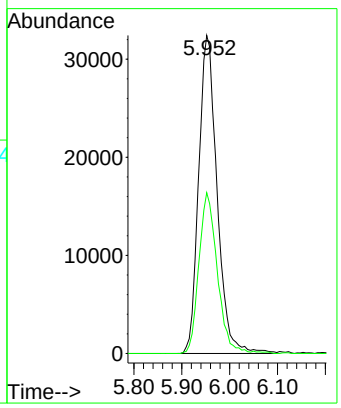


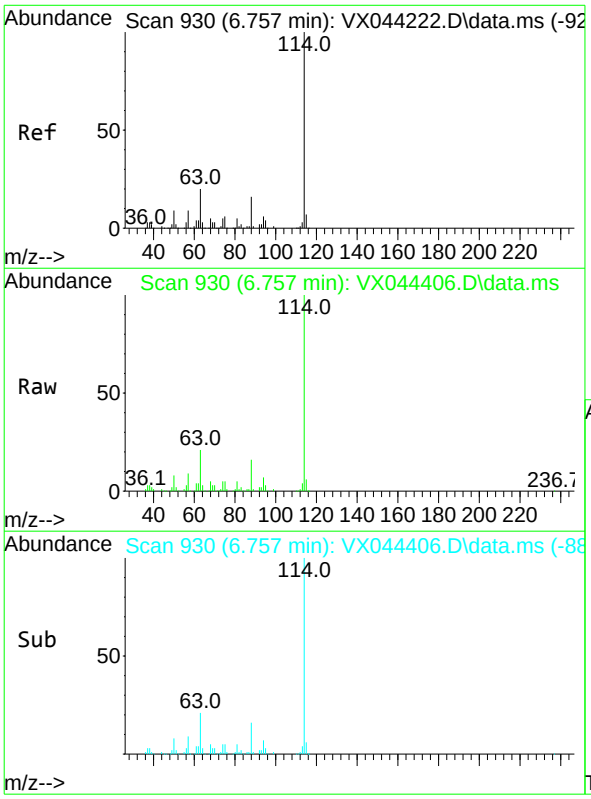

#33
1,2-Dichloroethane-d4
Concen: 45.509 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01S-20241216

Tgt Ion: 65 Resp: 86639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.2 | 0.0 | 101.6 |

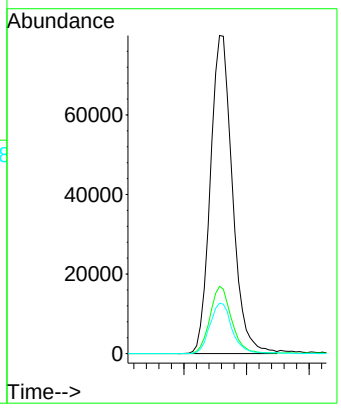


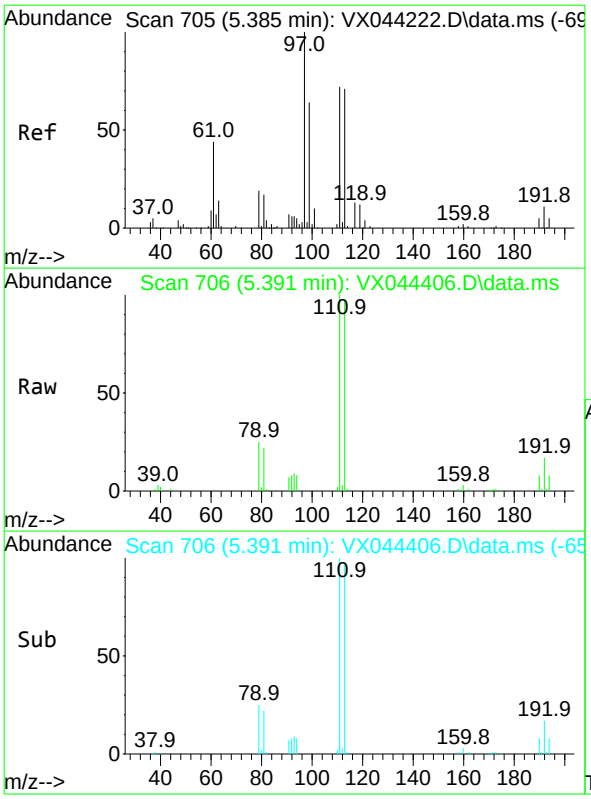




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

Tgt Ion:114 Resp: 195784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 40.6 |
| 88 | 15.8 | 0.0 | 31.8 |



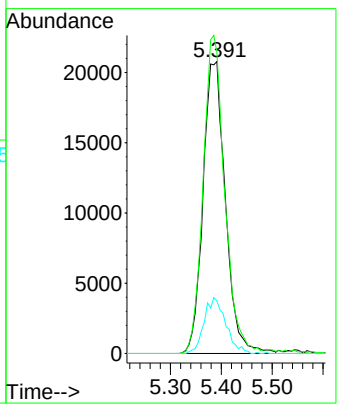


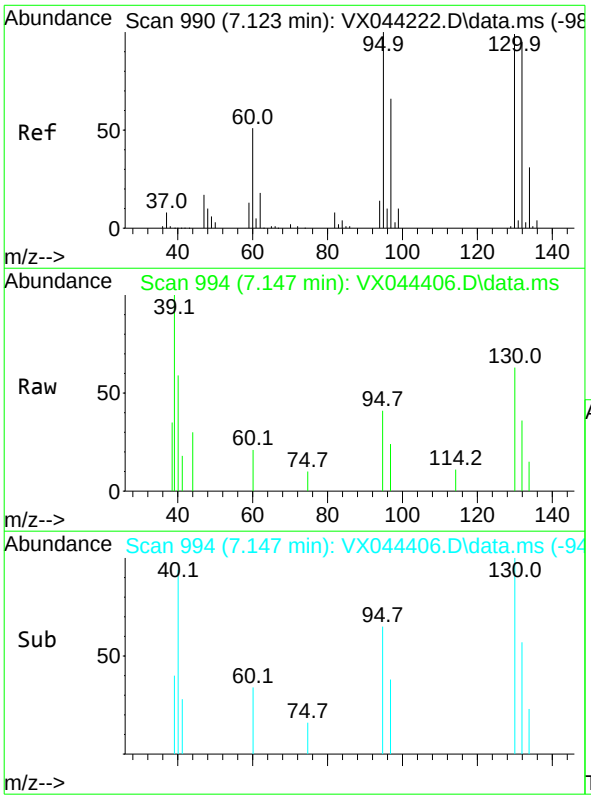

#35
Dibromofluoromethane
Concen: 46.886 ug/l
RT: 5.391 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01S-20241216

Tgt Ion:113 Resp: 63576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.0 | 80.4 | 120.6 |
| 192 | 18.5 | 13.3 | 19.9 |

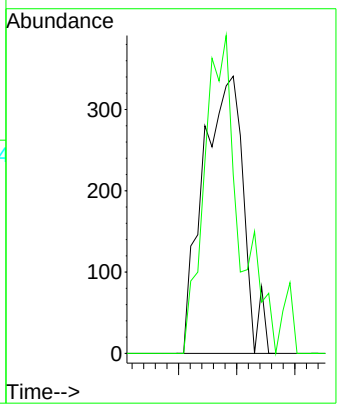


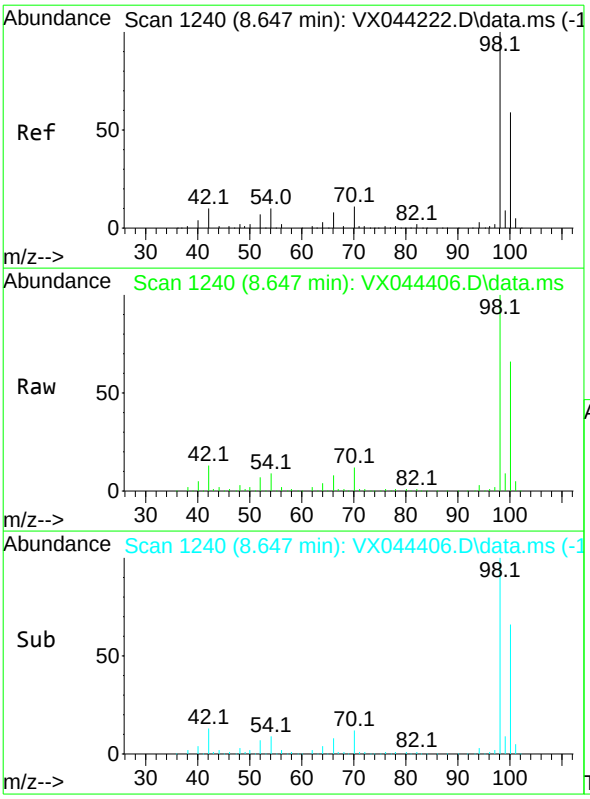




#44
Trichloroethene
Concen: 0.620 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.024 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

Tgt Ion:130 Resp: 823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 64.5 | 0.0 | 201.4 |



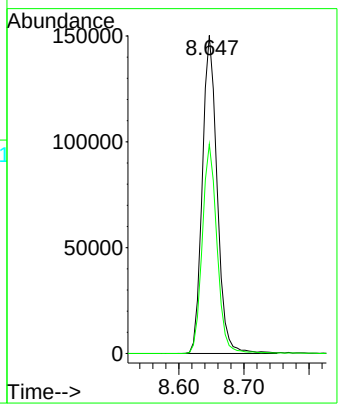


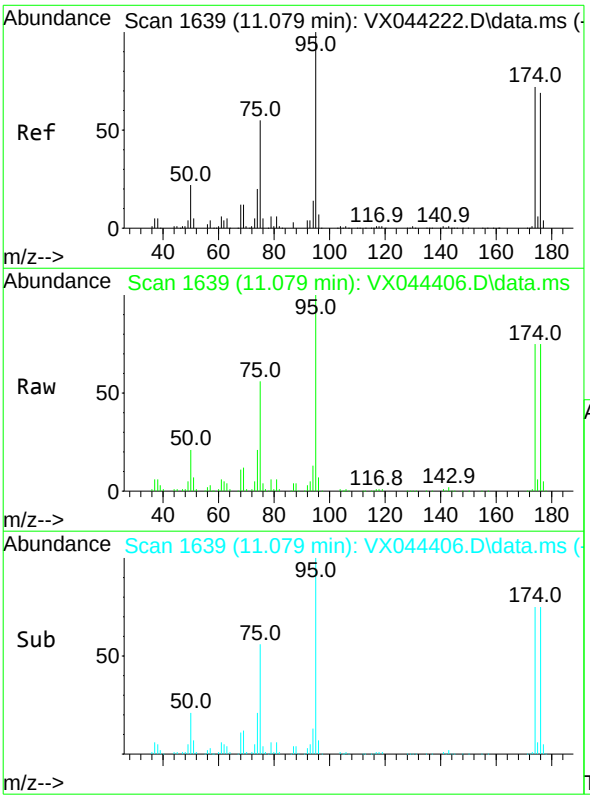

#50
Toluene-d8
Concen: 51.952 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01S-20241216

Tgt Ion: 98 Resp: 237663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 51.5 | 77.3 |

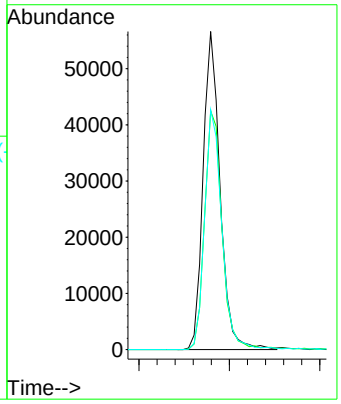


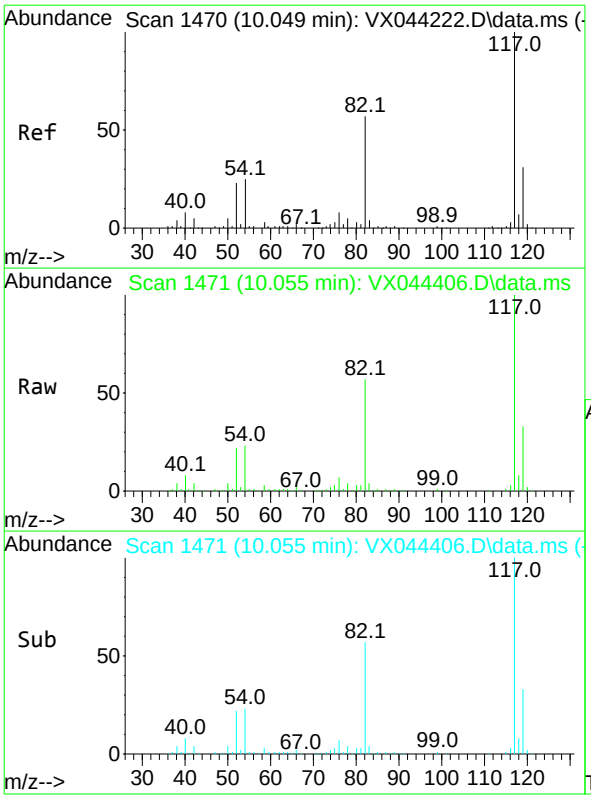




#62
4-Bromofluorobenzene
Concen: 46.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

Tgt Ion: 95 Resp: 73978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.3 | 0.0 | 145.8 |
| 176 | 76.5 | 0.0 | 137.8 |



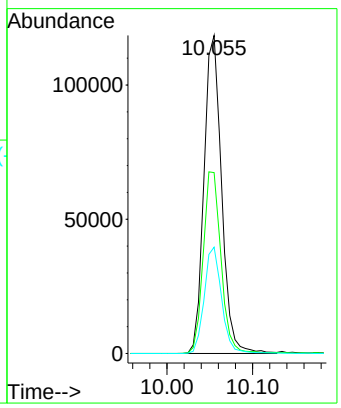


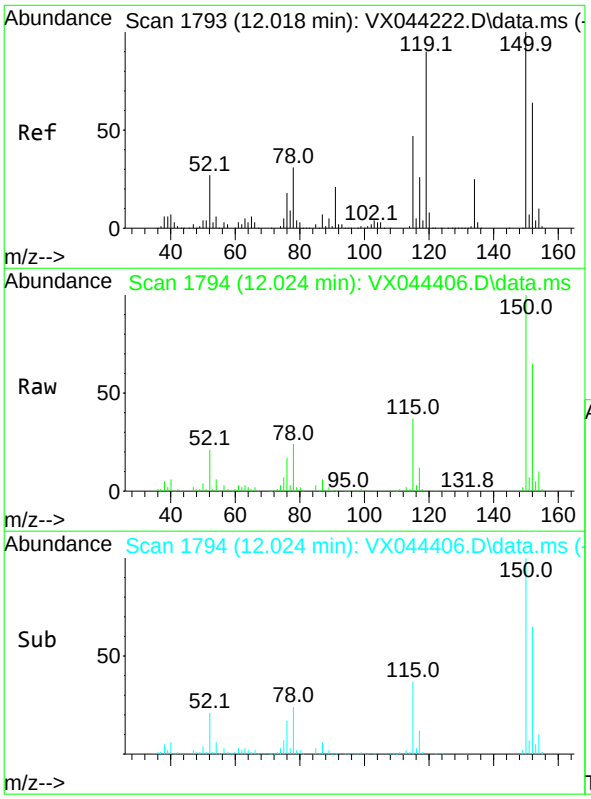

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01S-20241216

Tgt Ion:117 Resp: 169226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 45.8 | 68.8 |
| 119 | 33.4 | 25.0 | 37.4 |

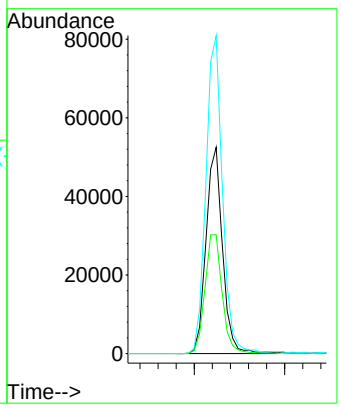



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044406.D
Acq: 19 Dec 2024 02:10

Tgt Ion:152 Resp: 66576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.4 | 44.5 | 133.3 |
| 150 | 154.6 | 0.0 | 353.8 |



Raw Data: **VX044407.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01D1-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-08 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044407.D | 1 | | 12/19/24 02:34 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.34 | J | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01D1-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-08 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044407.D | 1 | | 12/19/24 02:34 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.0 | | 81 - 118 | | 90% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.3 | | 80 - 119 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.2 | | 89 - 112 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.9 | | 85 - 114 | | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 112000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 206000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 179000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 71500 | 12.018 | | | | |

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/16/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01D1-20241216 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-08 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044407.D | 1 | | 12/19/24 02:34 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044407.D
Acq On : 19 Dec 2024 02:34
Operator : JC/MD
Sample : P5317-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20241216

Quant Time: Dec 19 05:09:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 111969 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 205674 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 179449 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 71479 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 88393 | 45.025 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 90.060% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 65958 | 46.303 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 92.600% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 246011 | 51.191 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.380% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 77014 | 45.862 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 91.720% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.386 | 43 | 842 | 1.052 | ug/l # | 68 |
| 44) Trichloroethene | 7.129 | 130 | 478 | 0.343 | ug/l | 87 |

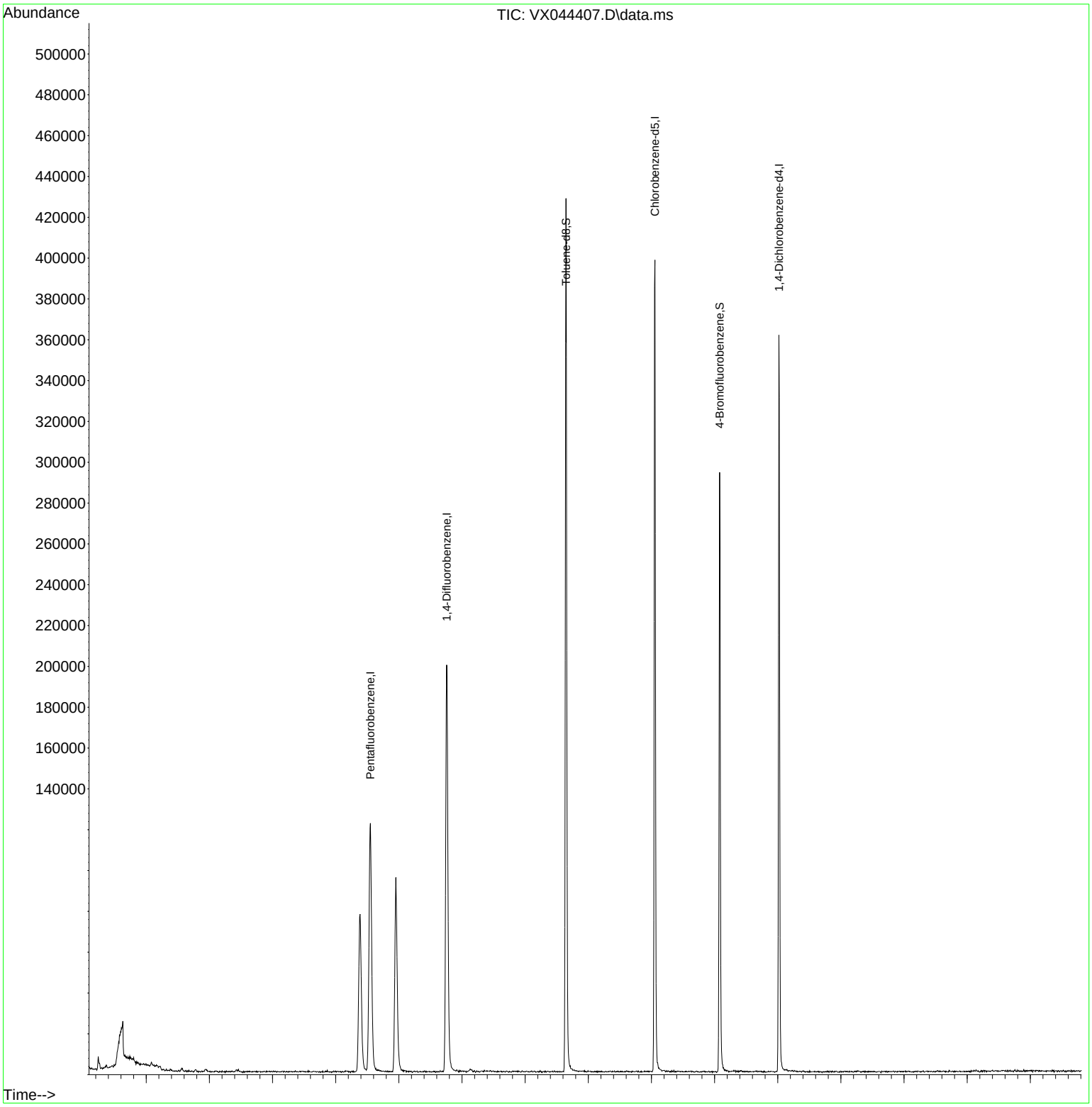
(#) = qualifier out of range (m) = manual integration (+) = signals summed

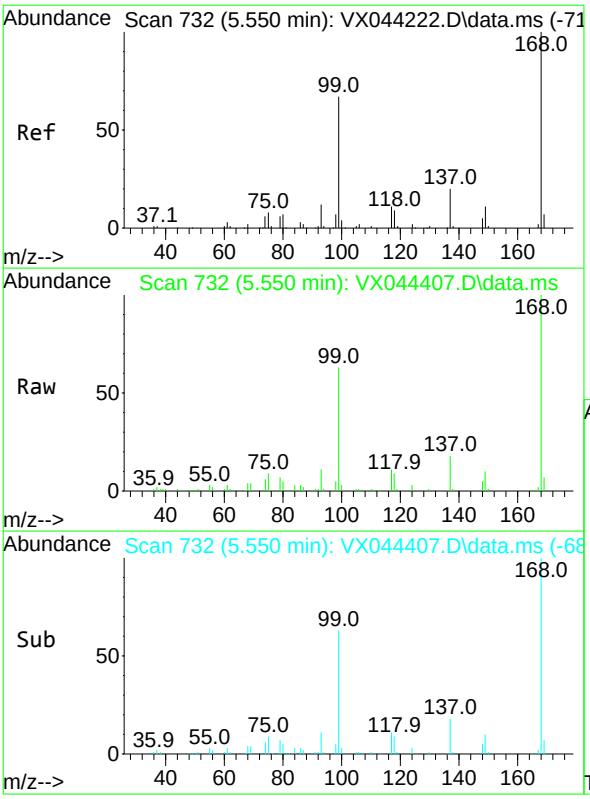
Sample Results: **VX044407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044407.D
Acq On : 19 Dec 2024 02:34
Operator : JC/MD
Sample : P5317-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20241216

Quant Time: Dec 19 05:09:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



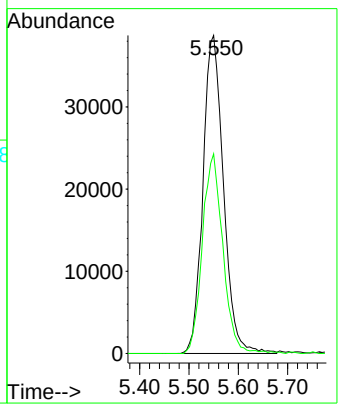


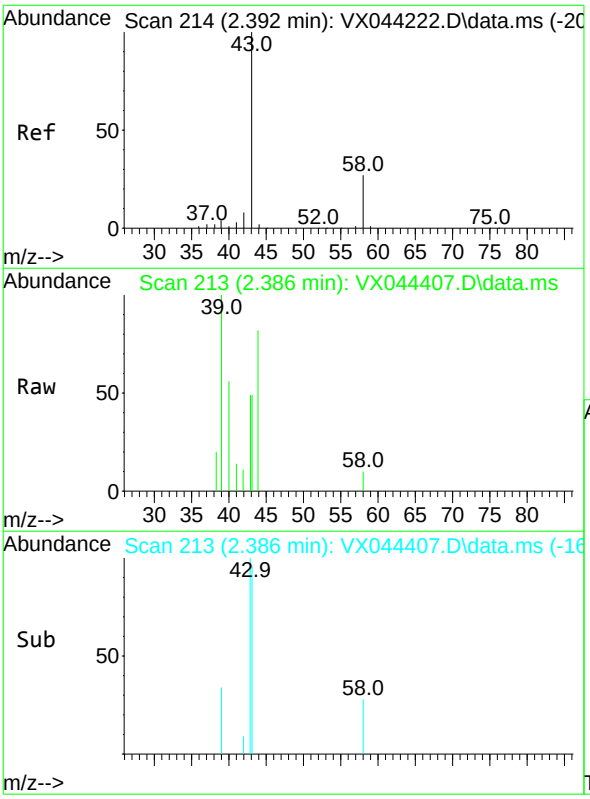

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20241216

Tgt Ion:168 Resp: 111969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.8 | 53.4 | 80.0 |

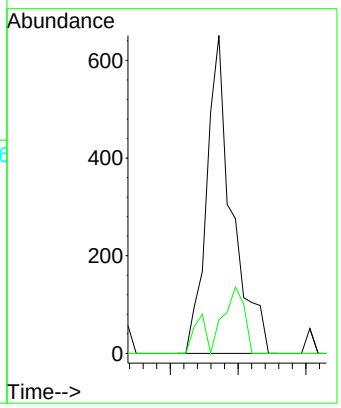


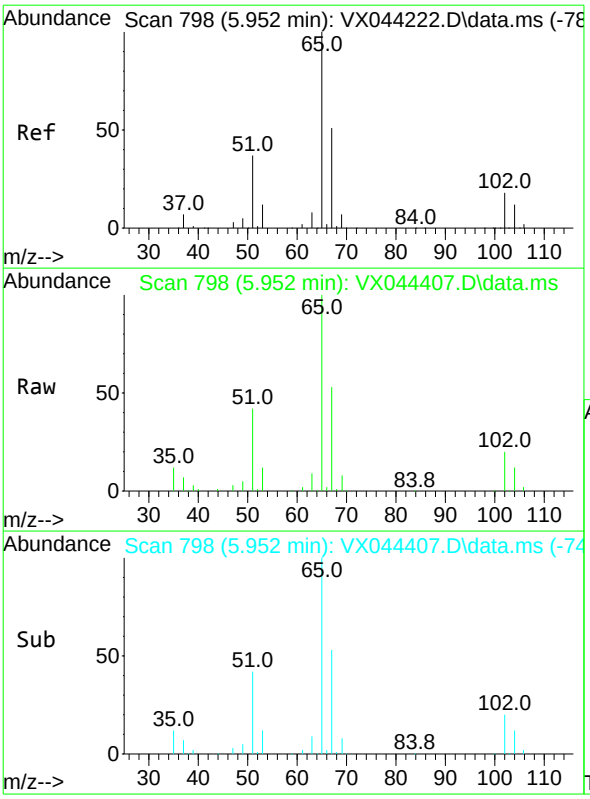




#16
Acetone
Concen: 1.052 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

Tgt Ion: 43 Resp: 842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.6 | 21.6 | 32.4# |



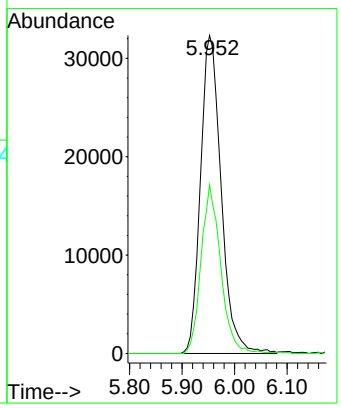


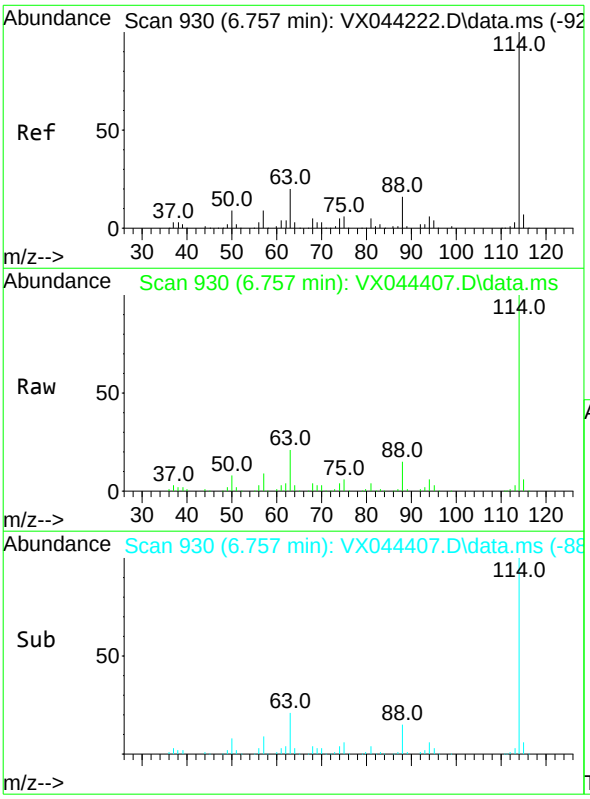

#33
1,2-Dichloroethane-d4
Concen: 45.025 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20241216

Tgt Ion: 65 Resp: 88393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.2 | 0.0 | 101.6 |

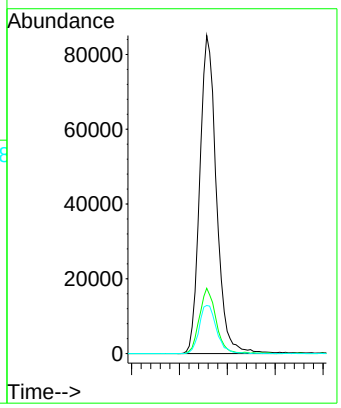


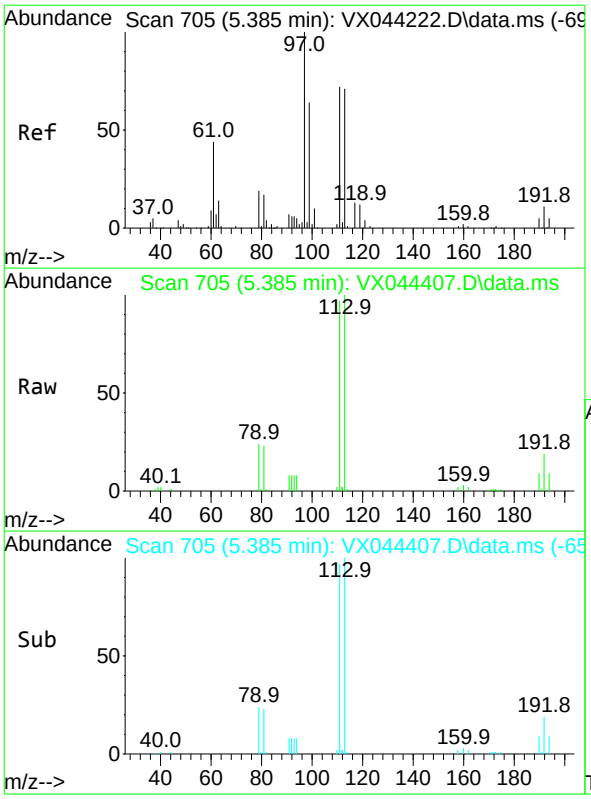




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

Tgt Ion:114 Resp: 205674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 40.6 |
| 88 | 15.1 | 0.0 | 31.8 |



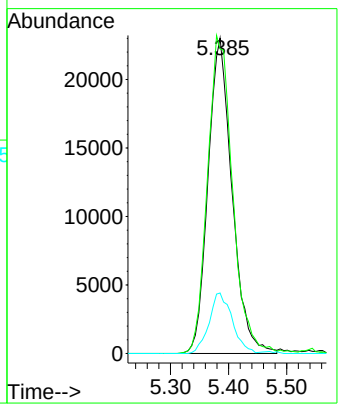


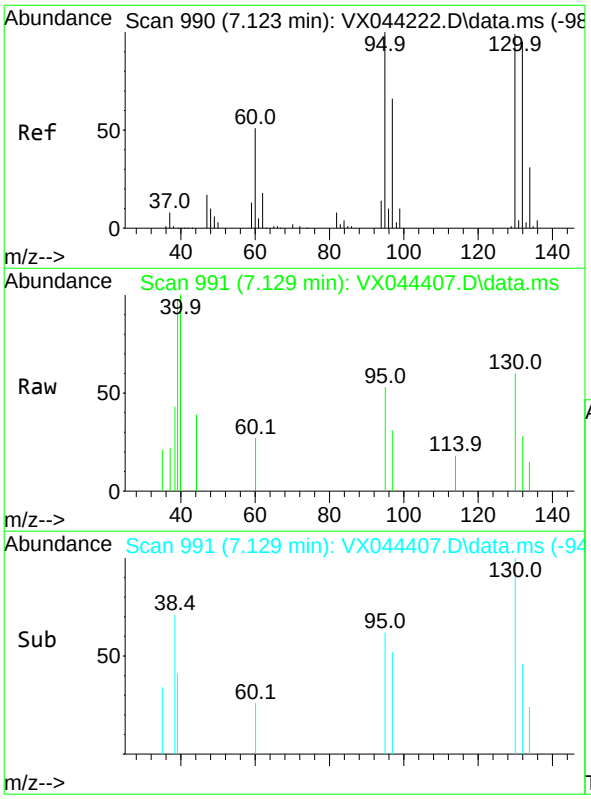

#35
Dibromofluoromethane
Concen: 46.303 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20241216

Tgt Ion:113 Resp: 65958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.5 | 80.4 | 120.6 |
| 192 | 18.6 | 13.3 | 19.9 |

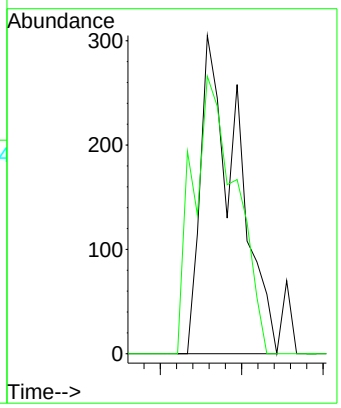


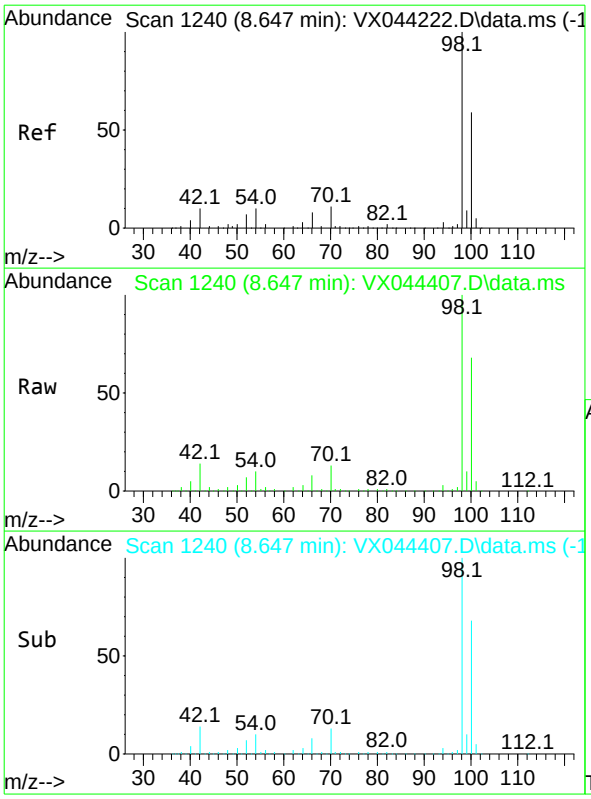




#44
Trichloroethene
Concen: 0.343 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

Tgt Ion:130 Resp: 478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 87.2 | 0.0 | 201.4 |



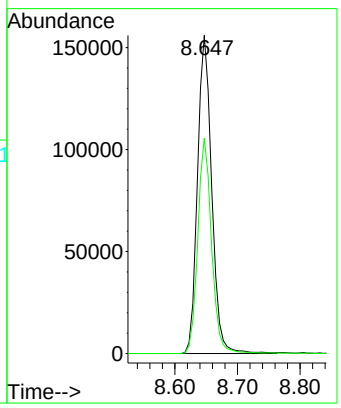


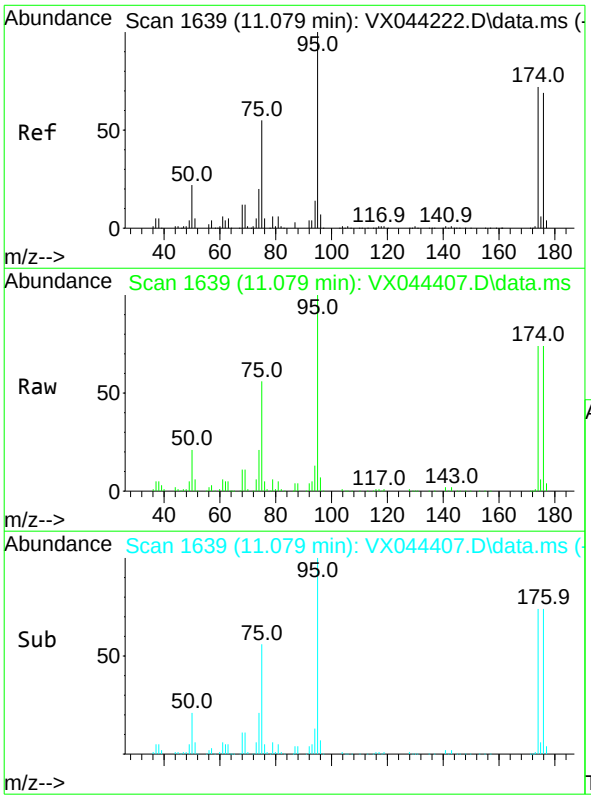

#50
Toluene-d8
Concen: 51.191 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20241216

Tgt Ion: 98 Resp: 246011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 51.5 | 77.3 |

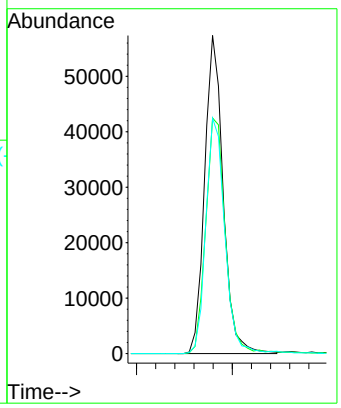


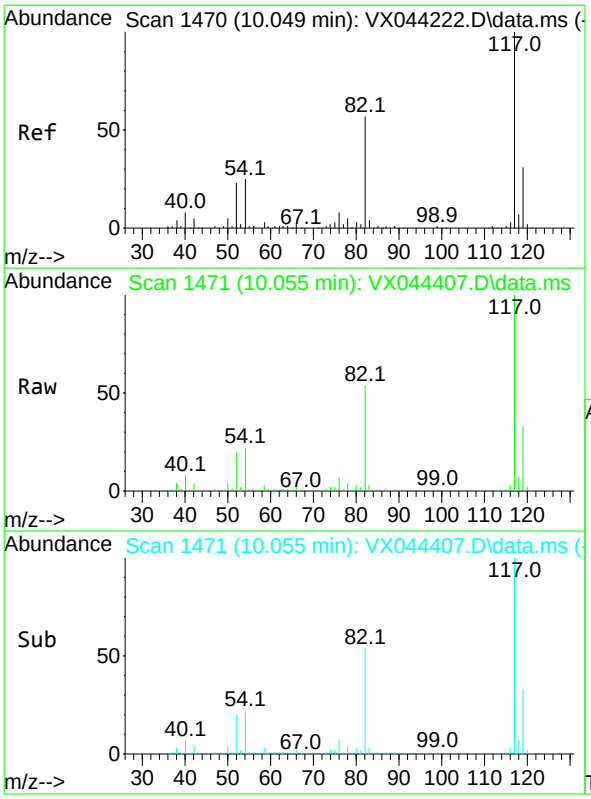




#62
4-Bromofluorobenzene
Concen: 45.862 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

Tgt Ion: 95 Resp: 77014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.4 | 0.0 | 145.8 |
| 176 | 76.1 | 0.0 | 137.8 |



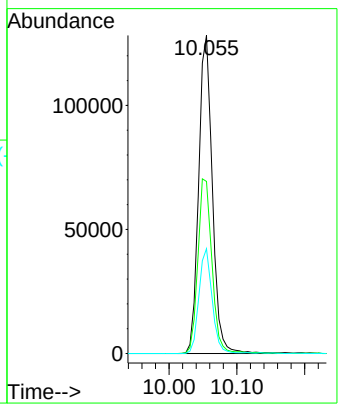


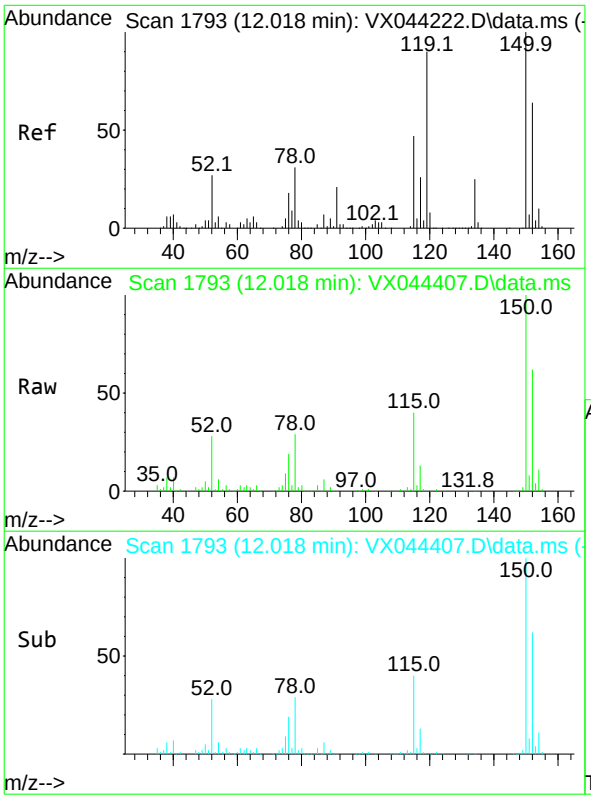

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20241216

Tgt Ion:117 Resp: 179449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.1 | 45.8 | 68.8 |
| 119 | 32.9 | 25.0 | 37.4 |

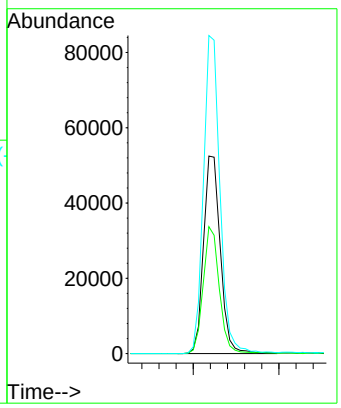



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044407.D
Acq: 19 Dec 2024 02:34

Tgt Ion:152 Resp: 71479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.9 | 44.5 | 133.3 |
| 150 | 158.1 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT158S1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-09 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044408.D | 1 | | 12/19/24 02:57 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.32 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1.80 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.32 | J | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044408.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT158S1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-09 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044408.D | 1 | | 12/19/24 02:57 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.4 | | 81 - 118 | | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.3 | | 80 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.6 | | 89 - 112 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 44.6 | | 85 - 114 | | 89% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 107000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 197000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 171000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 65700 | 12.024 | | | | |

Raw Data: **VX044408.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT158S1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-09 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044408.D | 1 | | 12/19/24 02:57 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044408.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044408.D
Acq On : 19 Dec 2024 02:57
Operator : JC/MD
Sample : P5317-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158S1-20241217

Quant Time: Dec 19 05:09:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

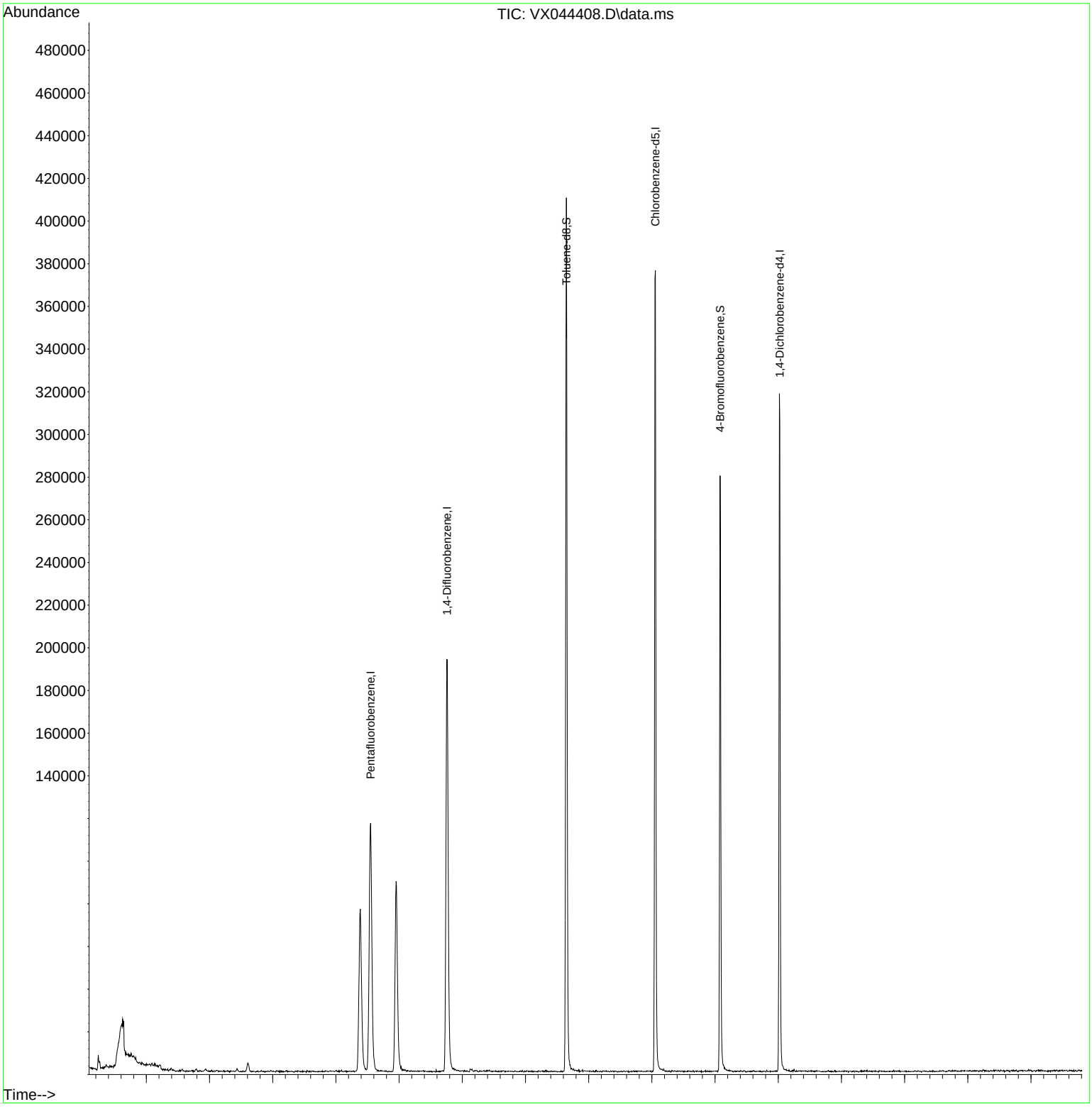
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 107112 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 197035 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 171282 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 65660 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 85326 | 45.434 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 90.860% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 64525 | 47.283 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.560% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 237364 | 51.557 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.120% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 71738 | 44.593 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 89.180% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.392 | 43 | 979 | 1.279 | ug/l # | 52 |
| 20) Methylene Chloride | 2.776 | 84 | 453 | 0.315 | ug/l # | 78 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 4471 | 1.781 | ug/l # | 92 |
| 44) Trichloroethene | 7.141 | 130 | 431 | 0.323 | ug/l | 80 |

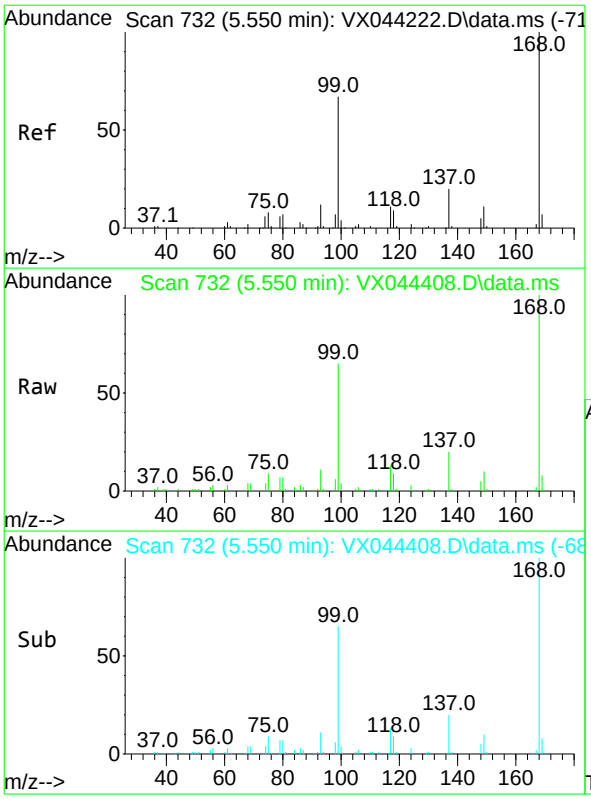
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044408.D
Acq On : 19 Dec 2024 02:57
Operator : JC/MD
Sample : P5317-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158S1-20241217

Quant Time: Dec 19 05:09:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



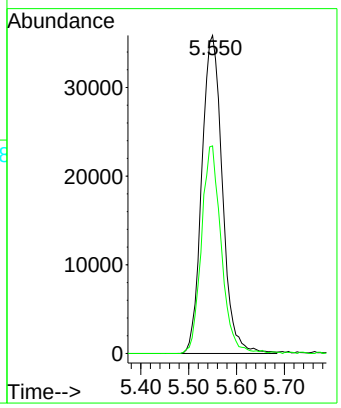


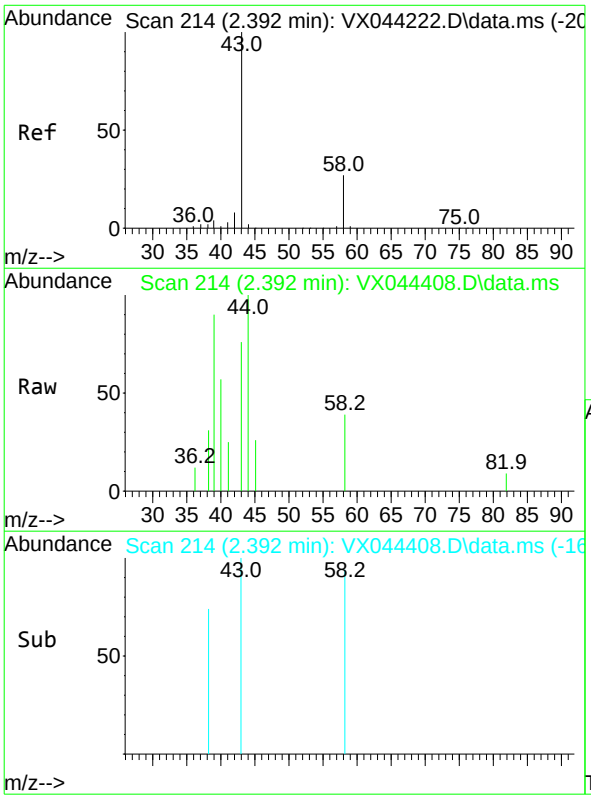

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158S1-20241217

Tgt Ion:168 Resp: 107112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.3 | 53.4 | 80.0 |

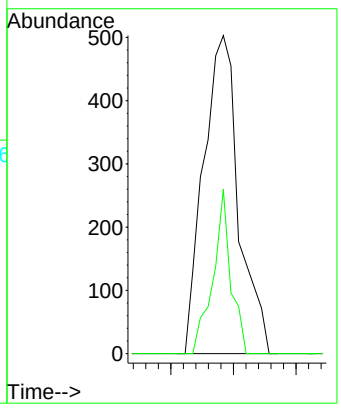


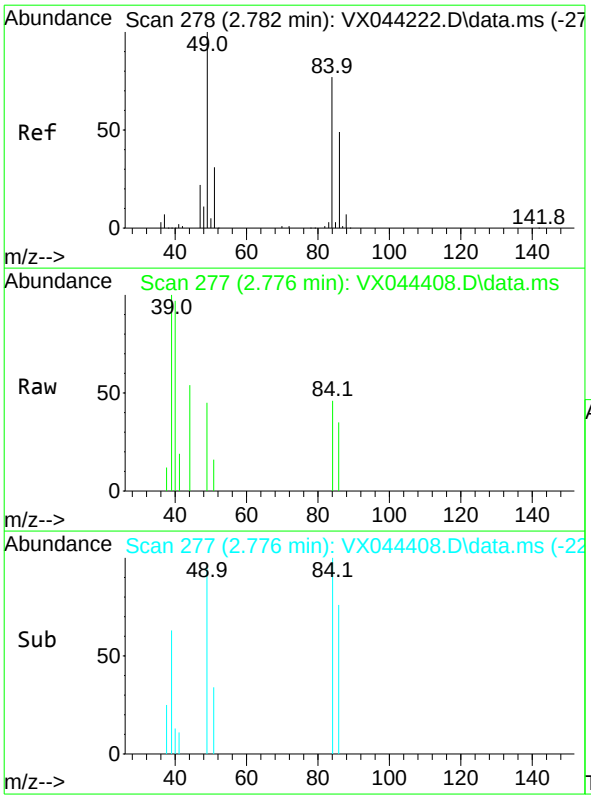




#16
Acetone
Concen: 1.279 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion: 43 Resp: 979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.7 | 21.6 | 32.4# |



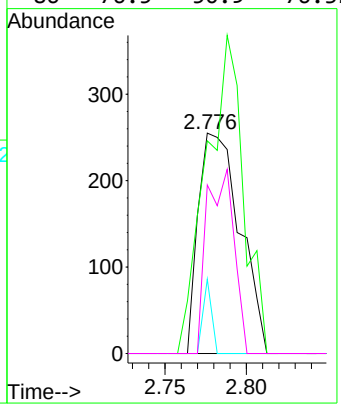


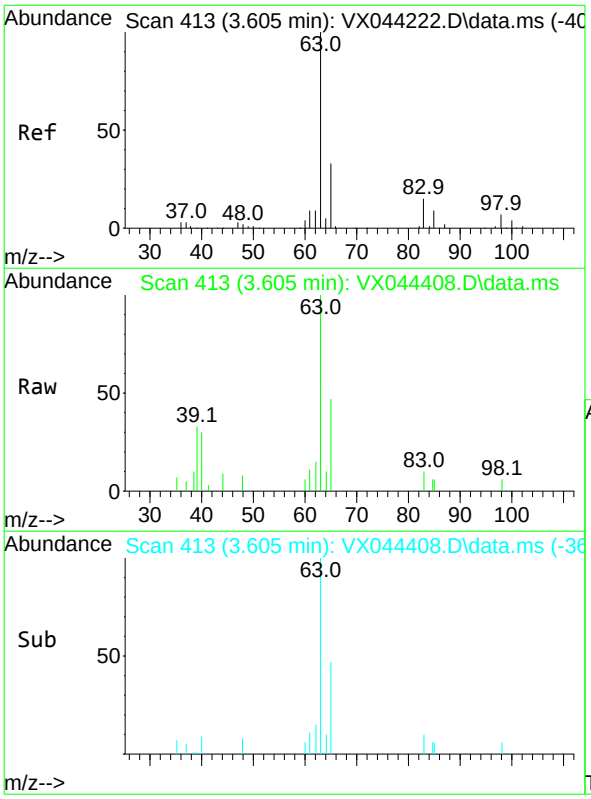

#20
Methylene Chloride
Concen: 0.315 ug/l
RT: 2.776 min Scan# 27
Delta R.T. -0.006 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158S1-20241217

Tgt Ion: 84 Resp: 453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 96.5 | 104.2 | 156.4# |
| 51 | 33.7 | 32.2 | 48.4 |
| 86 | 76.5 | 50.9 | 76.3# |

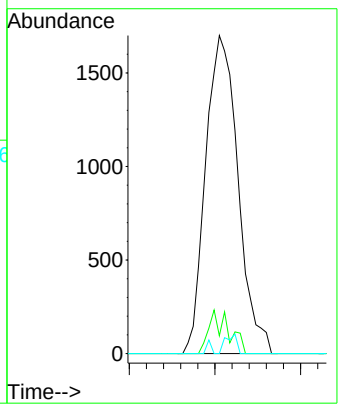


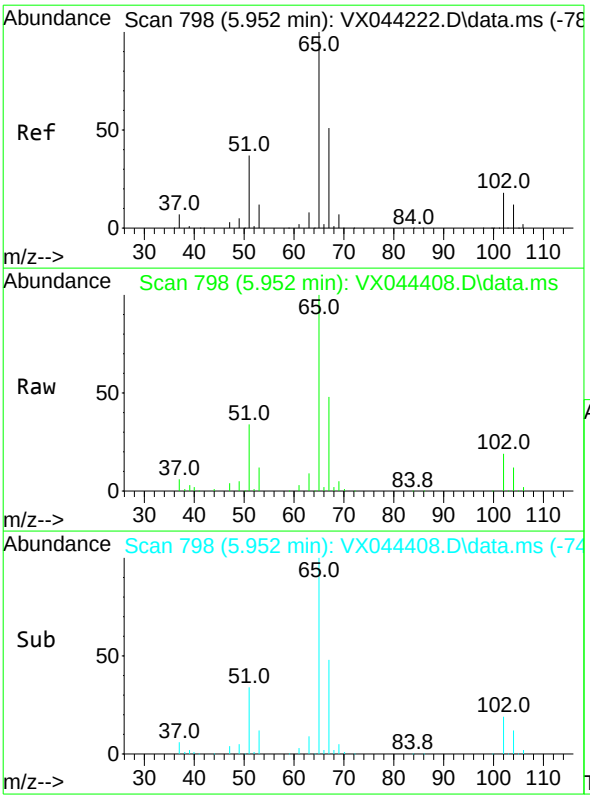




#24
1,1-Dichloroethane
Concen: 1.781 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion: 63 Resp: 4471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 5.6 | 3.6 | 10.8 |
| 100 | 0.0 | 2.1 | 6.3# |



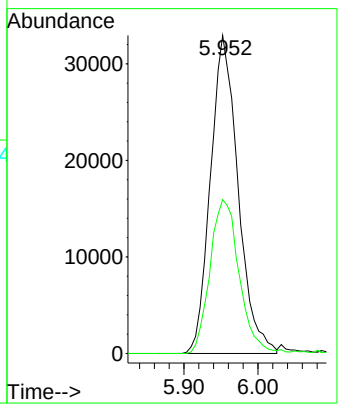


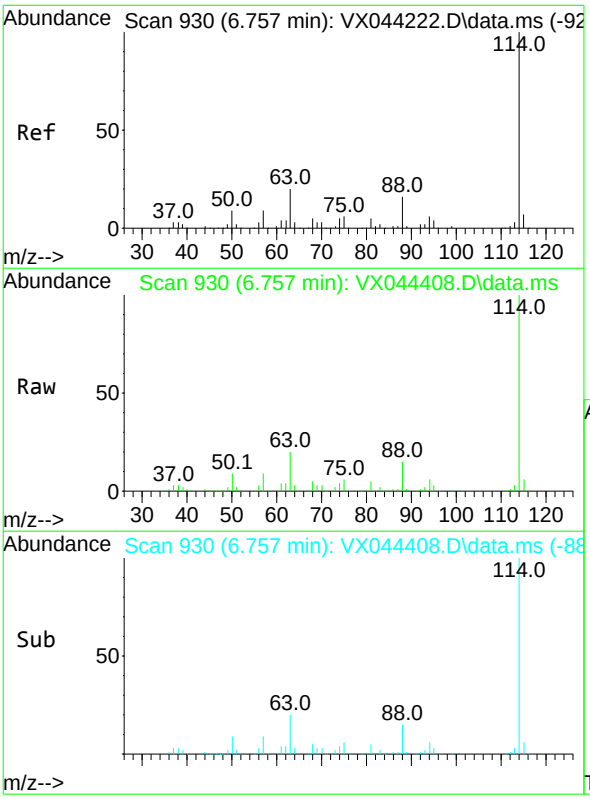

#33
1,2-Dichloroethane-d4
Concen: 45.434 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158S1-20241217

Tgt Ion: 65 Resp: 85326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 101.6 |

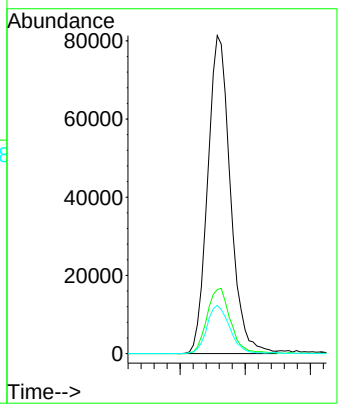


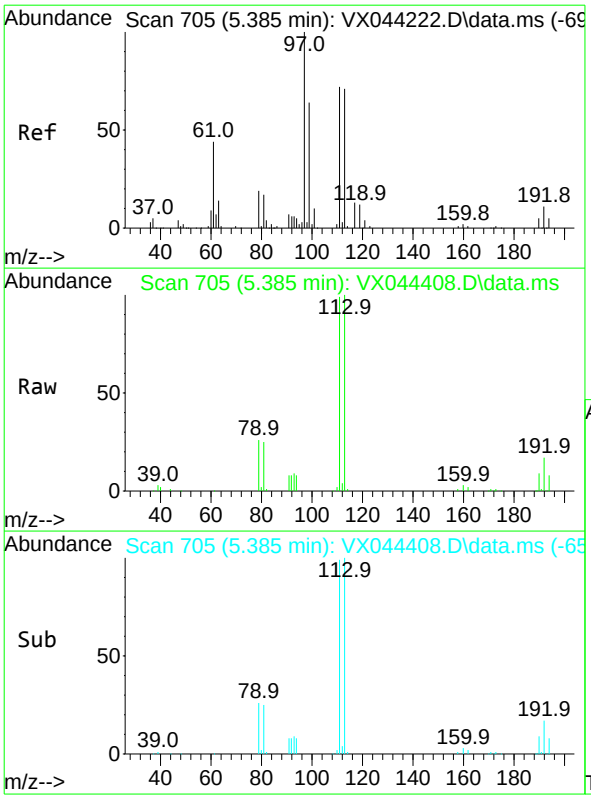




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion:114 Resp: 197035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 40.6 |
| 88 | 15.1 | 0.0 | 31.8 |



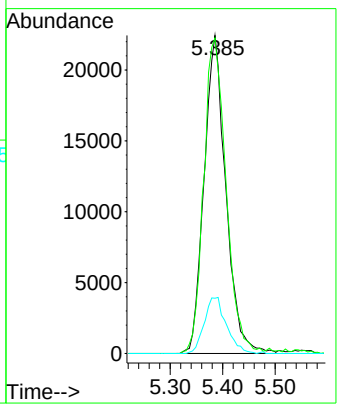


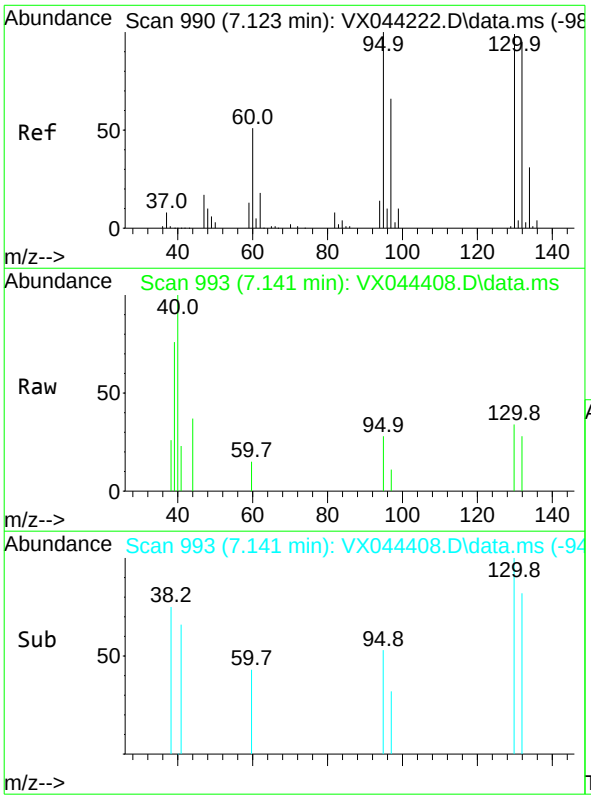

#35
Dibromofluoromethane
Concen: 47.283 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158S1-20241217

Tgt Ion:113 Resp: 64525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 80.4 | 120.6 |
| 192 | 18.0 | 13.3 | 19.9 |

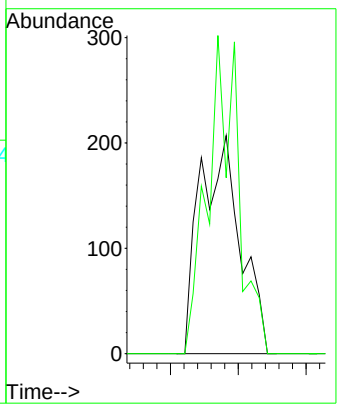


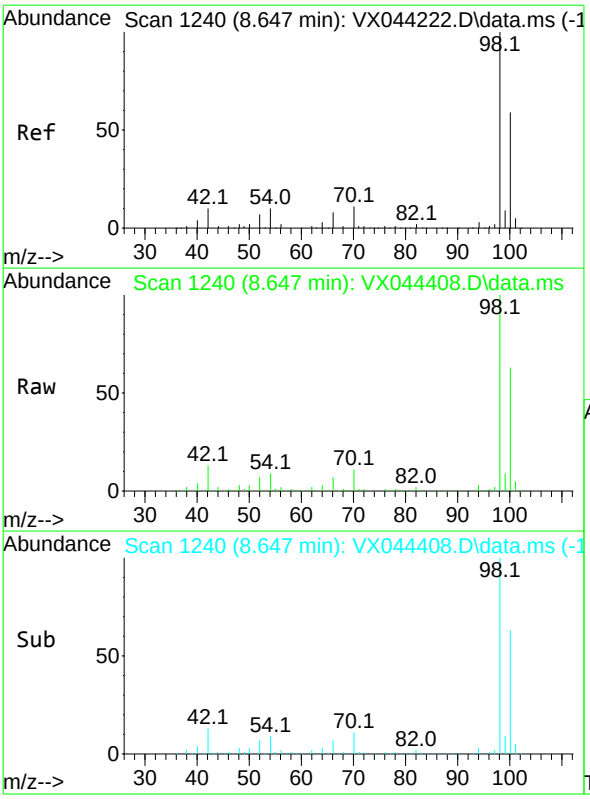




#44
Trichloroethene
Concen: 0.323 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.018 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion:130 Resp: 431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 80.7 | 0.0 | 201.4 |



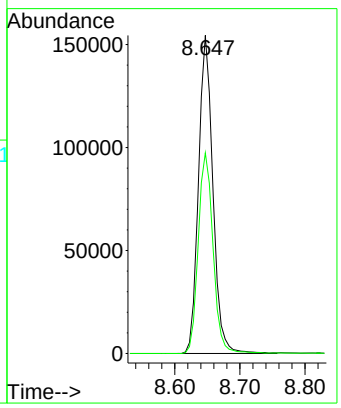


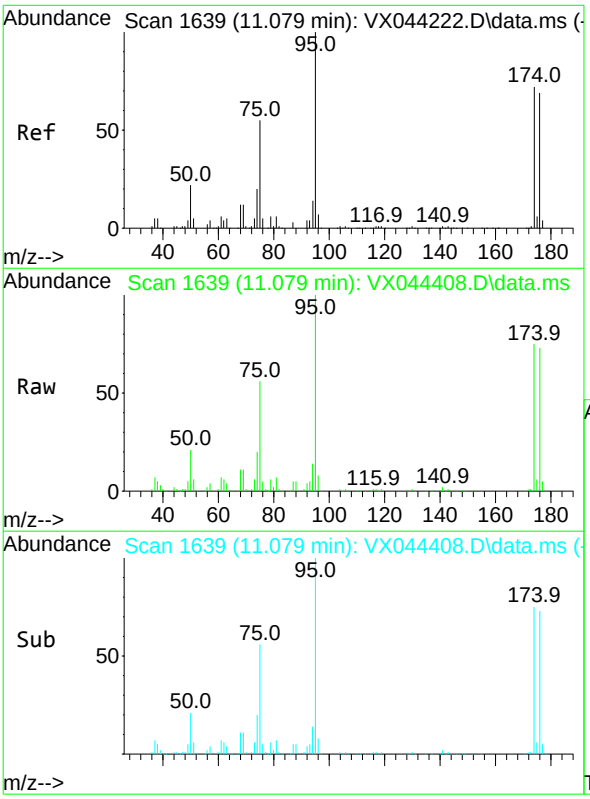

#50
Toluene-d8
Concen: 51.557 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158S1-20241217

Tgt Ion: 98 Resp: 237364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 51.5 | 77.3 |

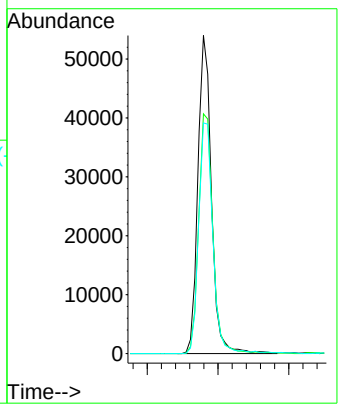


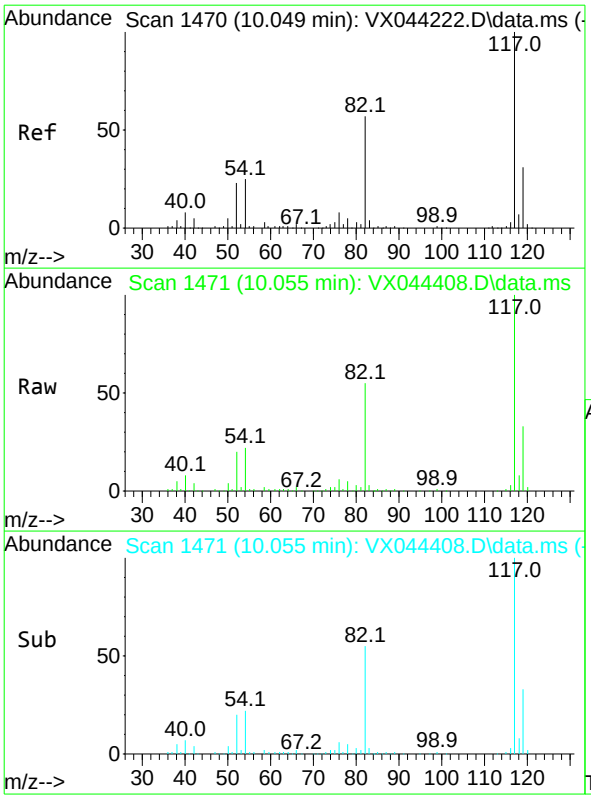




#62
4-Bromofluorobenzene
Concen: 44.593 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion: 95 Resp: 71738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.2 | 0.0 | 145.8 |
| 176 | 76.9 | 0.0 | 137.8 |



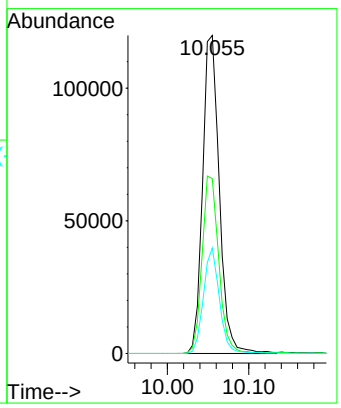


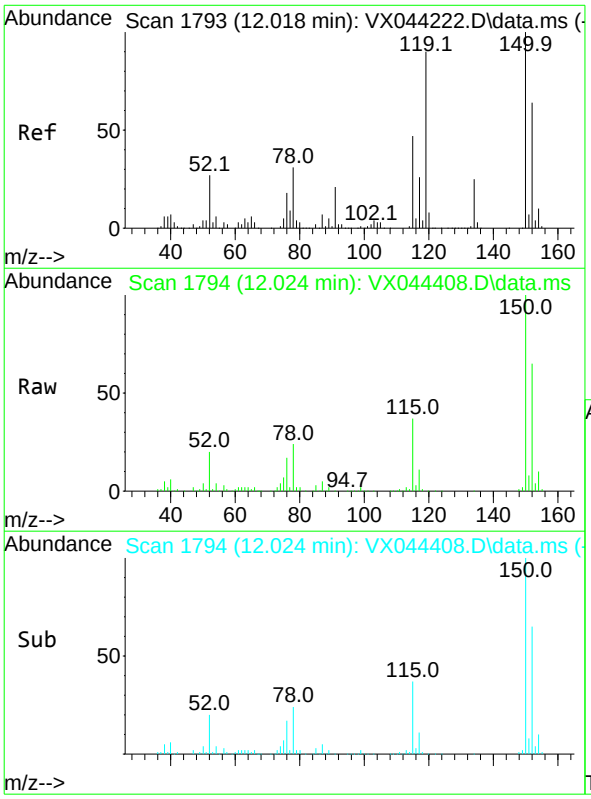

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158S1-20241217

Tgt Ion:117 Resp: 171282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 45.8 | 68.8 |
| 119 | 33.2 | 25.0 | 37.4 |

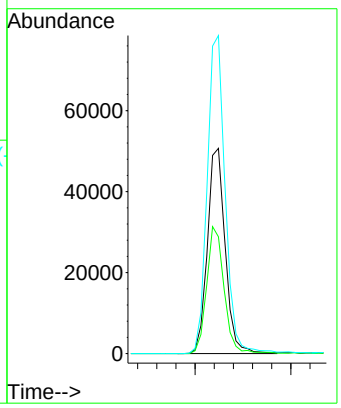



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044408.D
Acq: 19 Dec 2024 02:57

Tgt Ion:152 Resp: 65660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.3 | 44.5 | 133.3 |
| 150 | 156.9 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT158I1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-10 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044409.D | 1 | | 12/19/24 03:21 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.34 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044409.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT158I1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-10 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044409.D | 1 | | 12/19/24 03:21 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.2 | | 81 - 118 | | 88% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.7 | | 80 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.1 | | 89 - 112 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.6 | | 85 - 114 | | 91% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 108000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 193000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 169000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 64100 | 12.024 | | | | |

Raw Data: **VX044409.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT158I1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-10 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044409.D | 1 | | 12/19/24 03:21 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044409.D
Acq On : 19 Dec 2024 03:21
Operator : JC/MD
Sample : P5317-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158l1-20241217

Quant Time: Dec 19 05:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

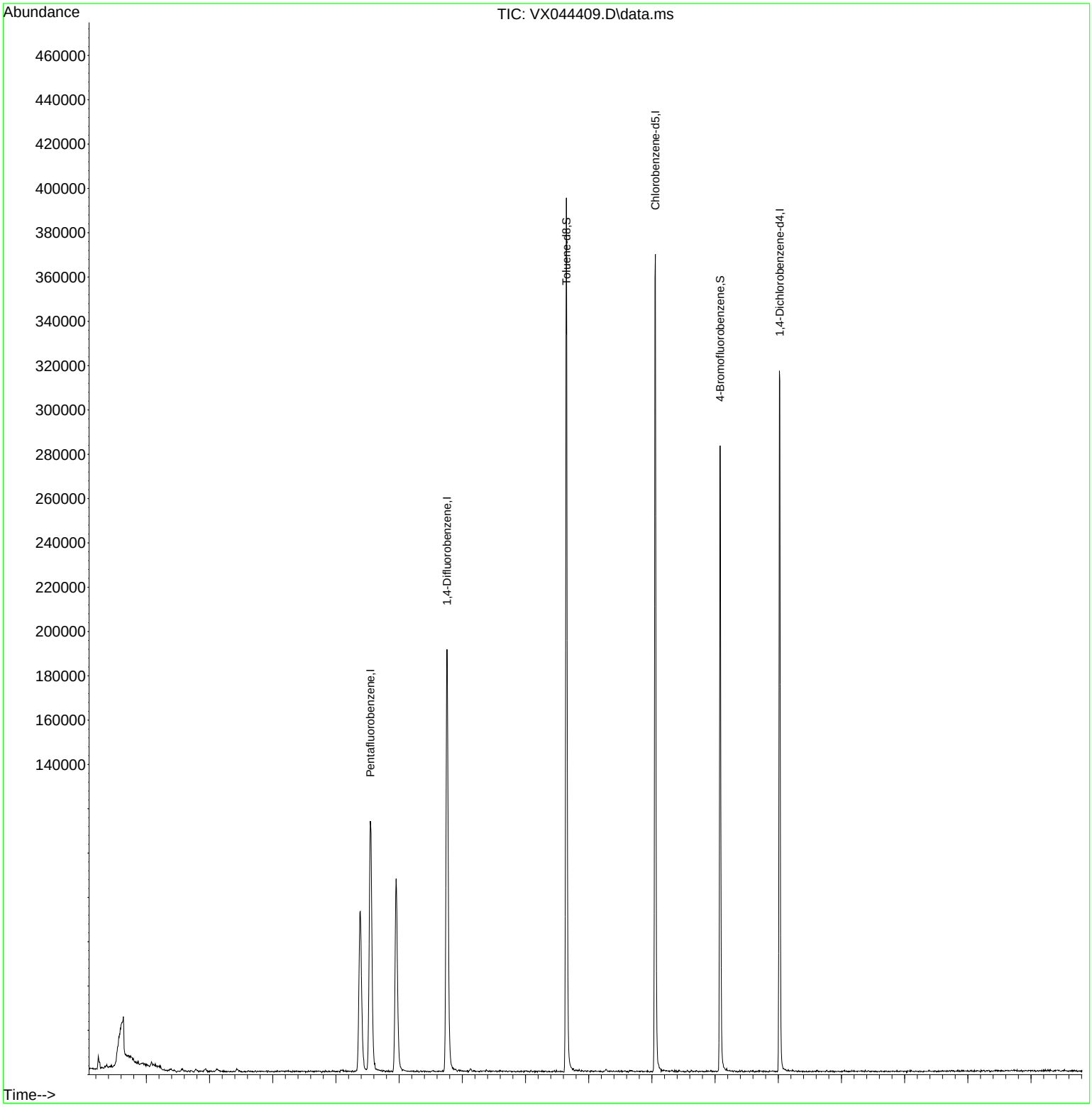
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 108444 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 193059 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 169424 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 64056 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 83972 | 44.164 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 88.320% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 63844 | 47.748 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.500% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 230393 | 51.073 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.140% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 71908 | 45.619 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 91.240% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.392 | 43 | 925 | 1.193 | ug/l | 96 |
| 20) Methylene Chloride | 2.776 | 84 | 499 | 0.343 | ug/l # | 82 |
| 44) Trichloroethene | 7.141 | 130 | 354 | 0.271 | ug/l | 89 |

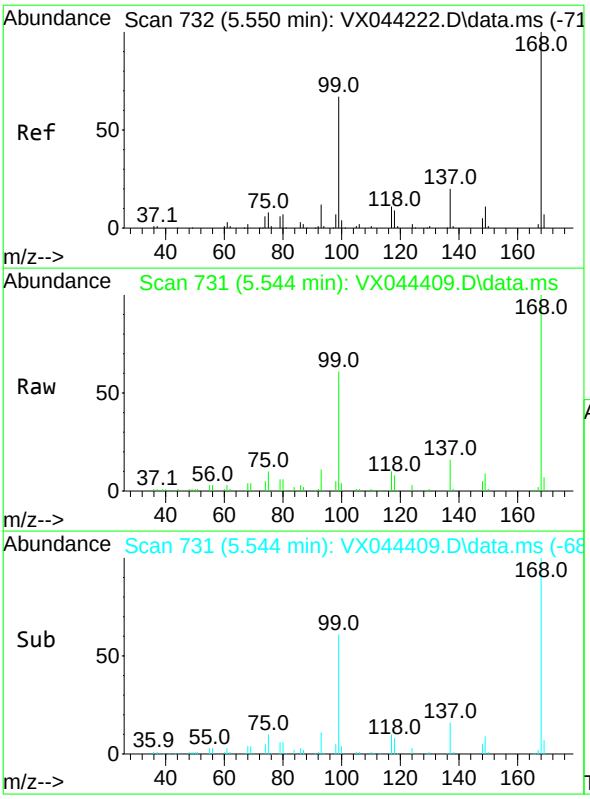
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044409.D
Acq On : 19 Dec 2024 03:21
Operator : JC/MD
Sample : P5317-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158I1-20241217

Quant Time: Dec 19 05:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



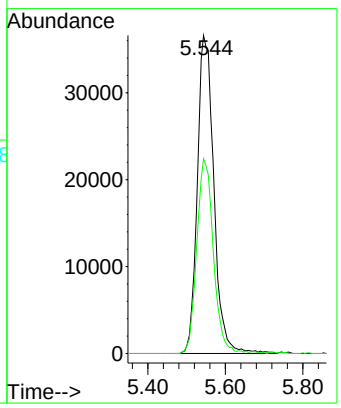


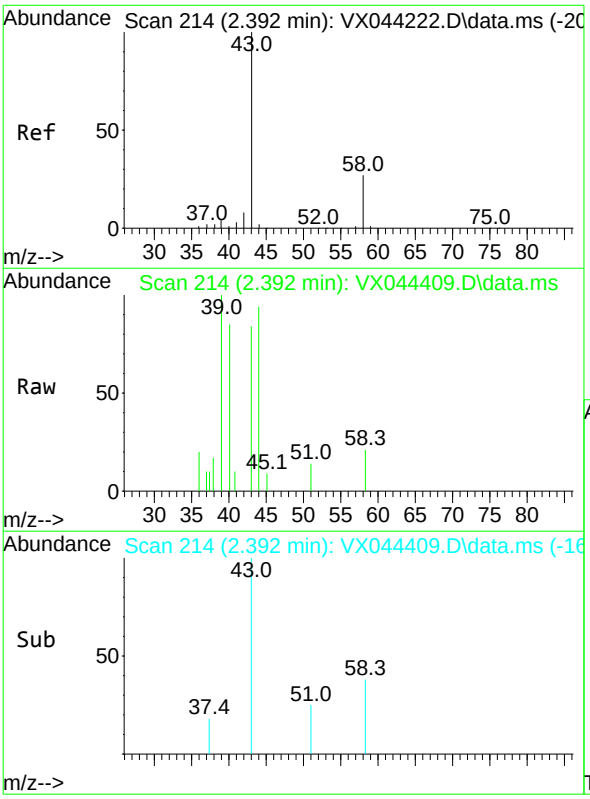

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158l1-20241217

Tgt Ion:168 Resp: 108444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.2 | 53.4 | 80.0 |

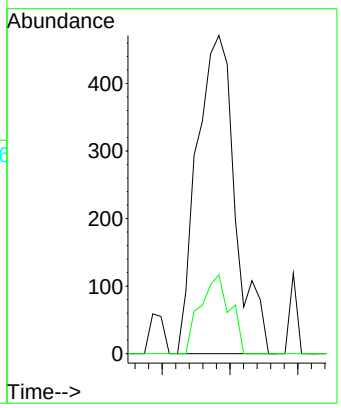


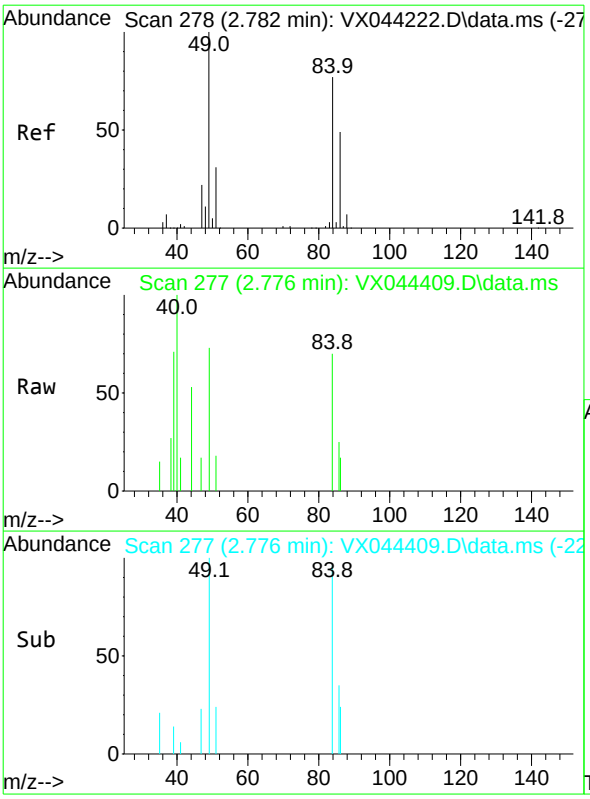




#16
Acetone
Concen: 1.193 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

Tgt Ion: 43 Resp: 925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.8 | 21.6 | 32.4 |



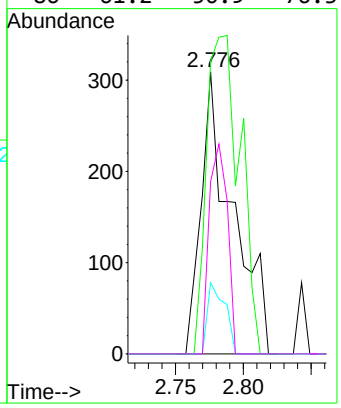


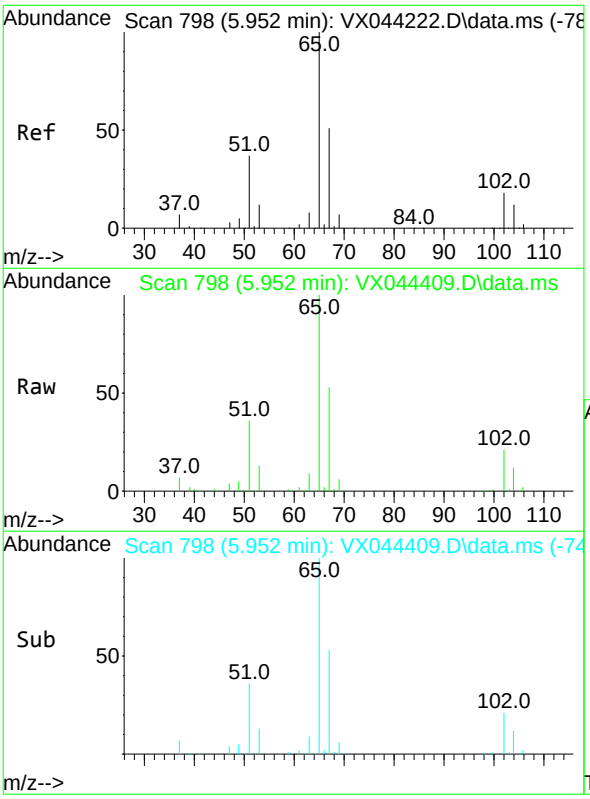

#20
Methylene Chloride
Concen: 0.343 ug/l
RT: 2.776 min Scan# 27
Delta R.T. -0.006 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158l1-20241217

Tgt Ion: 84 Resp: 499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 103.9 | 104.2 | 156.4# |
| 51 | 25.2 | 32.2 | 48.4# |
| 86 | 61.2 | 50.9 | 76.3 |

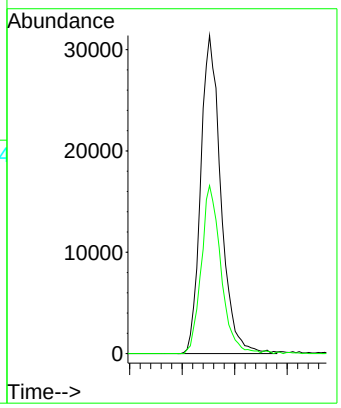


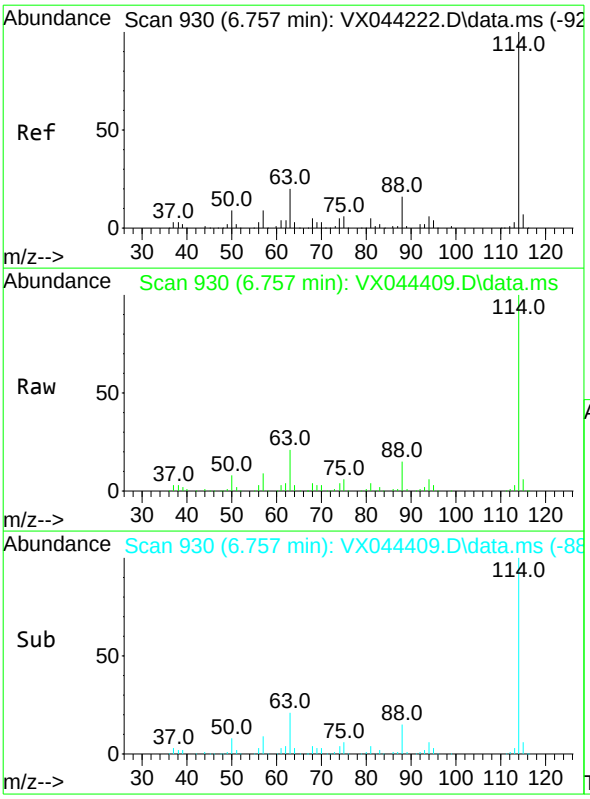




#33
1,2-Dichloroethane-d4
Concen: 44.164 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

Tgt Ion: 65 Resp: 83972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 101.6 |



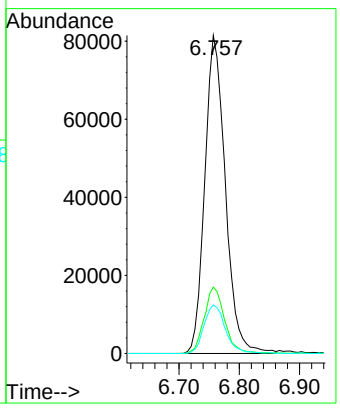


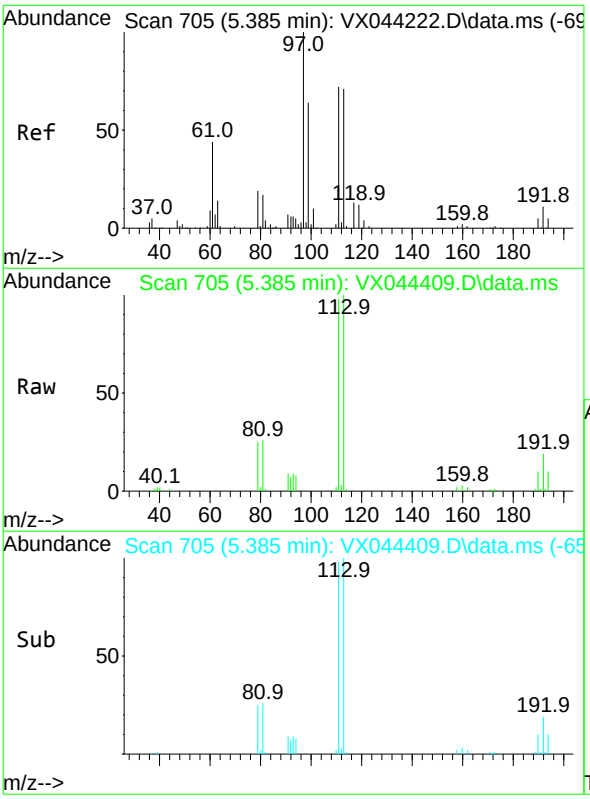

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158l1-20241217

Tgt Ion:114 Resp: 193059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 40.6 |
| 88 | 15.3 | 0.0 | 31.8 |

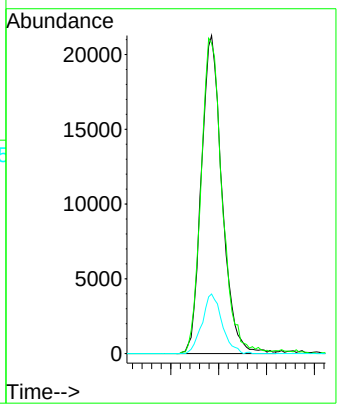


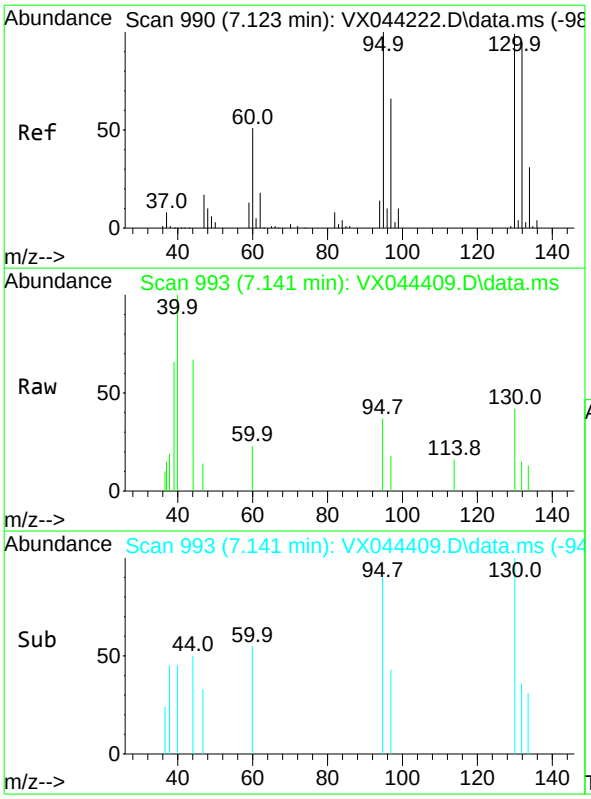




#35
Dibromofluoromethane
Concen: 47.748 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

Tgt Ion:113 Resp: 63844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.3 | 80.4 | 120.6 |
| 192 | 17.9 | 13.3 | 19.9 |



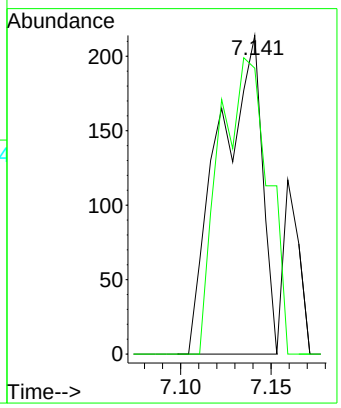


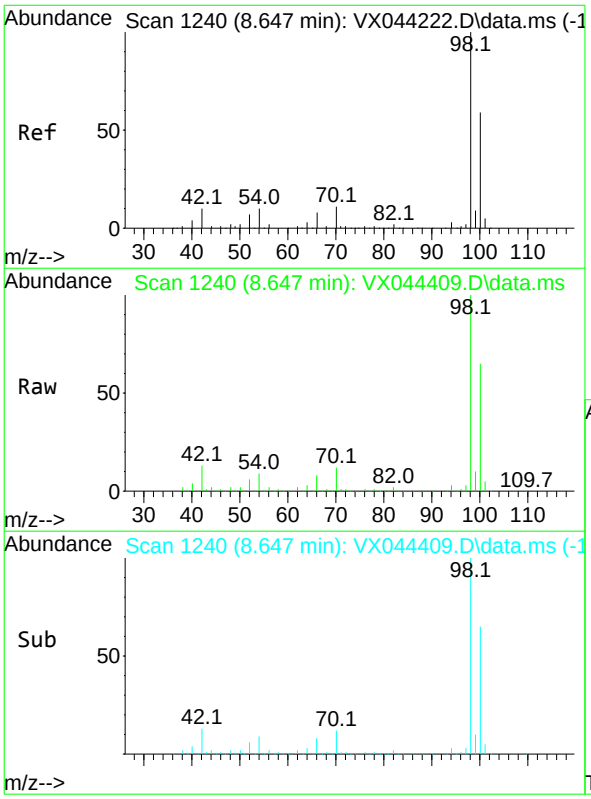

#44
Trichloroethene
Concen: 0.271 ug/l
RT: 7.141 min Scan# 99
Delta R.T. 0.018 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158l1-20241217

Tgt Ion:130 Resp: 354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 89.7 | 0.0 | 201.4 |

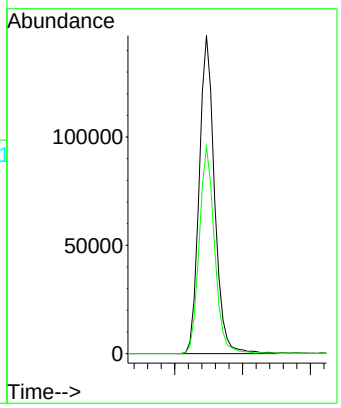


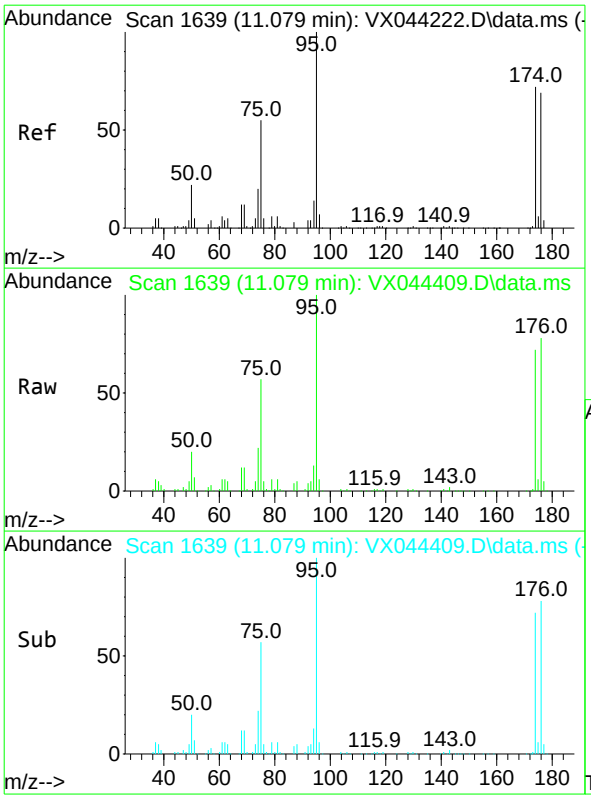




#50
Toluene-d8
Concen: 51.073 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

Tgt Ion: 98 Resp: 230393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 51.5 | 77.3 |



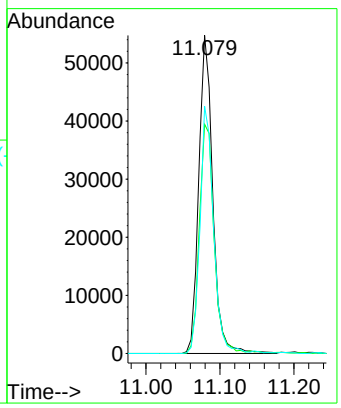


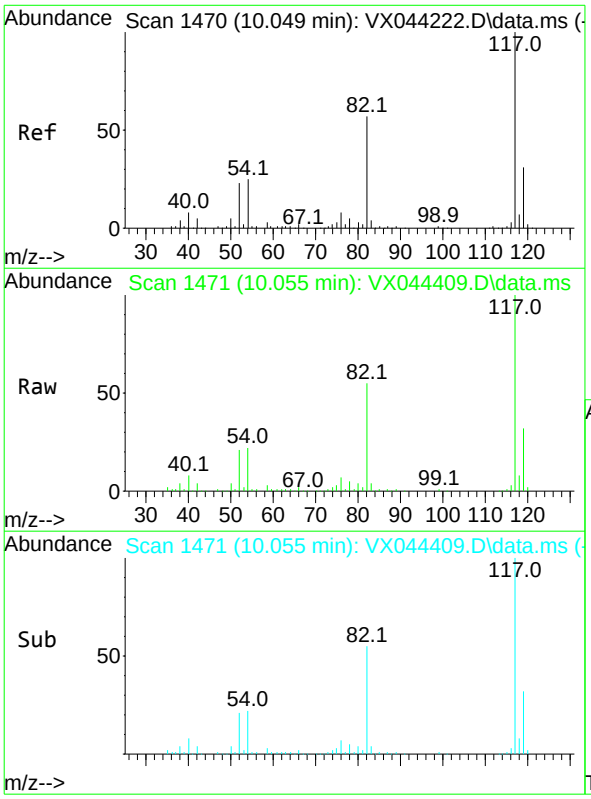

#62
4-Bromofluorobenzene
Concen: 45.619 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158l1-20241217

Tgt Ion: 95 Resp: 71908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.1 | 0.0 | 145.8 |
| 176 | 75.3 | 0.0 | 137.8 |

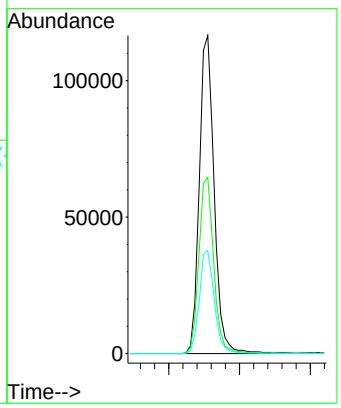


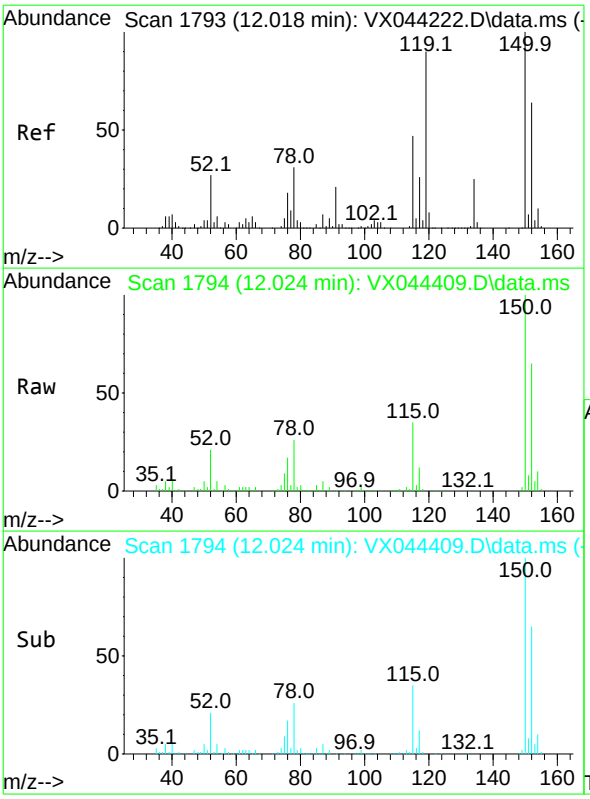




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

Tgt Ion:117 Resp: 169424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.4 | 45.8 | 68.8 |
| 119 | 32.4 | 25.0 | 37.4 |



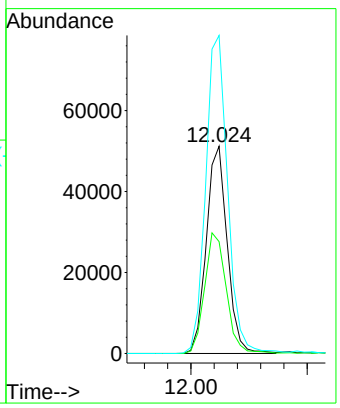



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044409.D
Acq: 19 Dec 2024 03:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT158l1-20241217

Tgt Ion:152 Resp: 64056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.3 | 44.5 | 133.3 |
| 150 | 160.6 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | DUP-05-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-11 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044488.D | 1 | | 12/23/24 18:17 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1.20 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.32 | J | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044488.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | DUP-05-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-11 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044488.D | 1 | | 12/23/24 18:17 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.9 | | 81 - 118 | | 90% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.6 | | 80 - 119 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 55.6 | | 89 - 112 | | 111% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 53.1 | | 85 - 114 | | 106% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 132000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 233000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 212000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 95900 | 12.018 | | | | |

Raw Data: **VX044488.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | DUP-05-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-11 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044488.D | 1 | | 12/23/24 18:17 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044488.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044488.D
Acq On : 23 Dec 2024 18:17
Operator : JC/MD
Sample : P5317-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-05-20241217

Quant Time: Dec 23 22:14:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

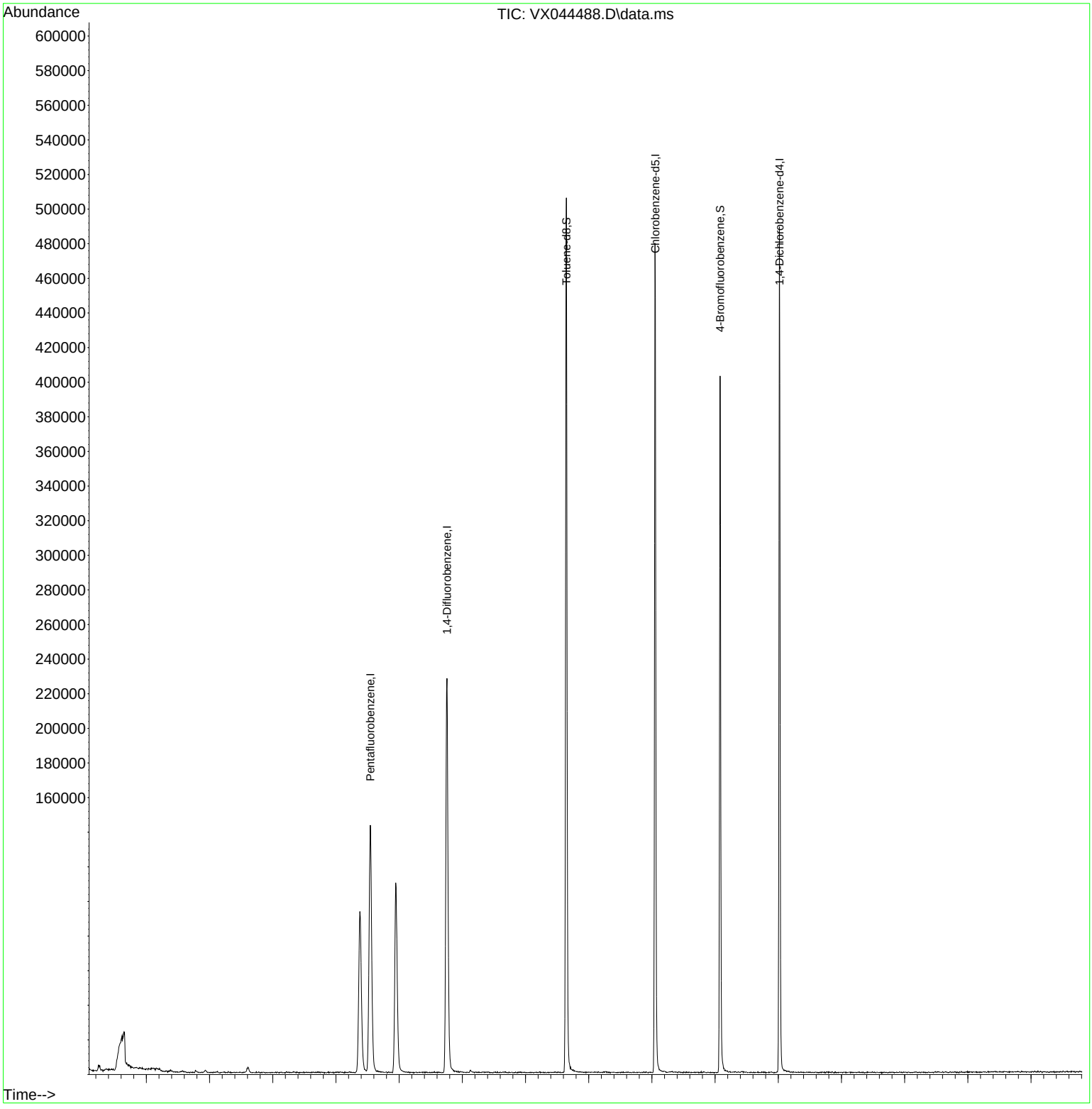
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 132450 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 232737 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 211937 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 95898 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 104226 | 44.881 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 89.760% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 79952 | 49.601 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.200% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 302195 | 55.570 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 111.140% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 100909 | 53.104 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 106.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 24) 1,1-Dichloroethane | 3.593 | 63 | 3842 | 1.238 | ug/l | 94 |
| 44) Trichloroethene | 7.129 | 130 | 510 | 0.323 | ug/l | 97 |

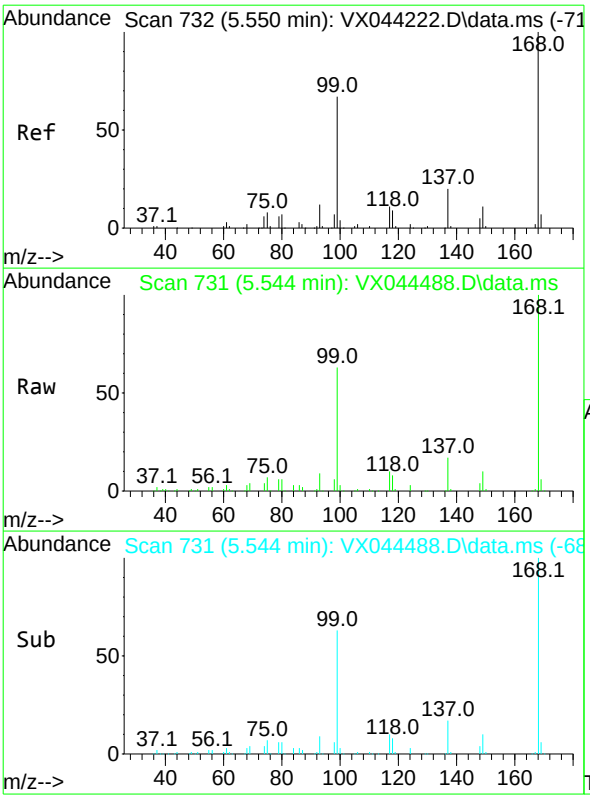
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044488.D
Acq On : 23 Dec 2024 18:17
Operator : JC/MD
Sample : P5317-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-05-20241217

Quant Time: Dec 23 22:14:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



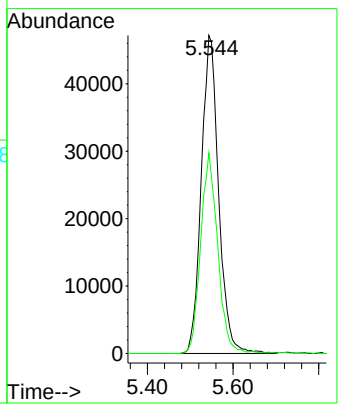


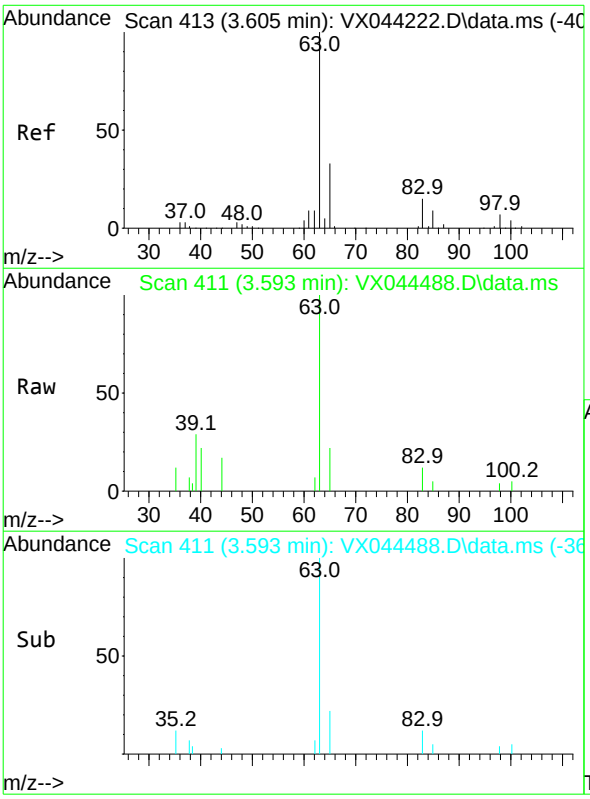

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-05-20241217

Tgt Ion:168 Resp: 132450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.1 | 53.4 | 80.0 |

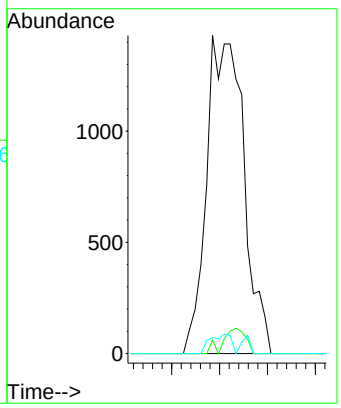


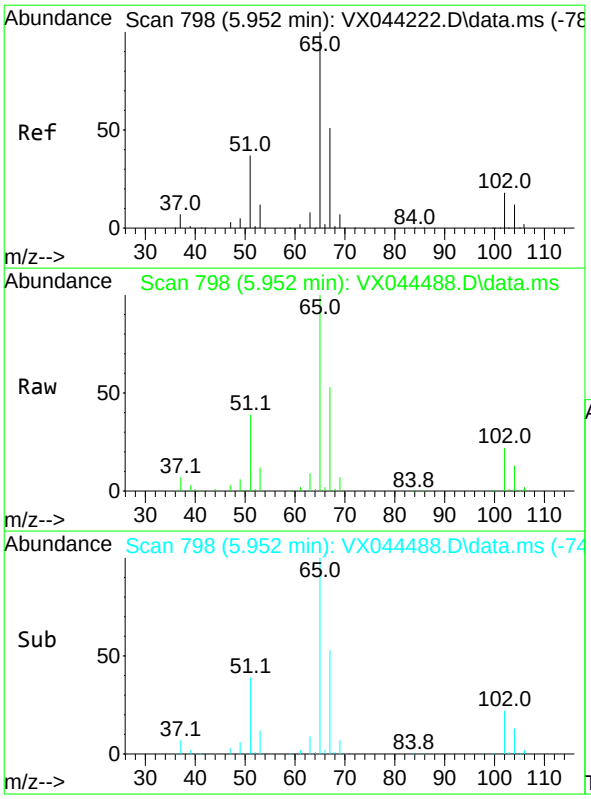




#24
1,1-Dichloroethane
Concen: 1.238 ug/l
RT: 3.593 min Scan# 411
Delta R.T. -0.012 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

Tgt Ion: 63 Resp: 3842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.2 | 3.6 | 10.8 |
| 100 | 5.0 | 2.1 | 6.3 |



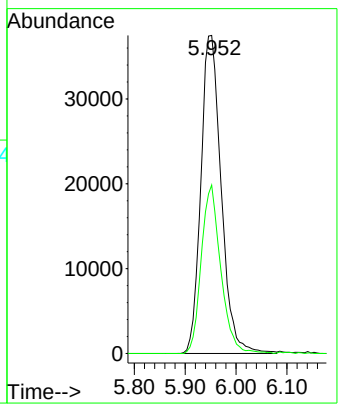


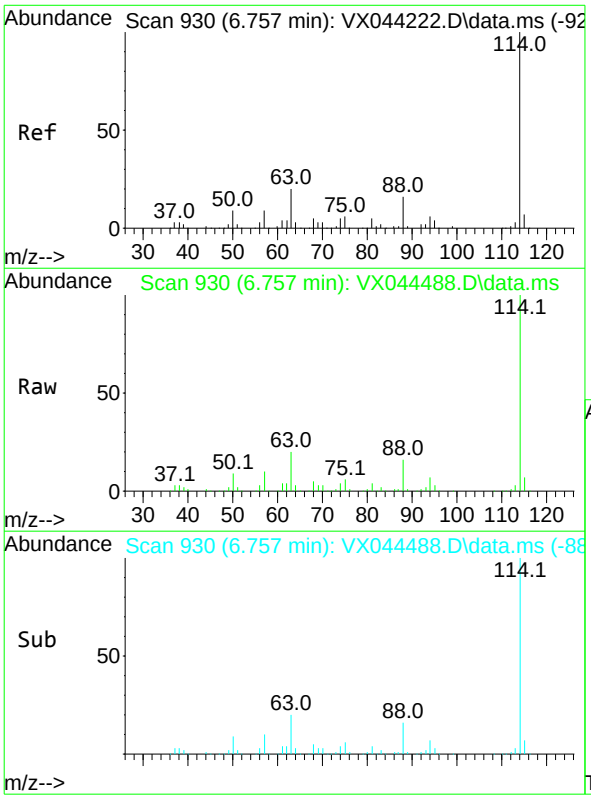

#33
1,2-Dichloroethane-d4
Concen: 44.881 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-05-20241217

Tgt Ion: 65 Resp: 104226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 101.6 |

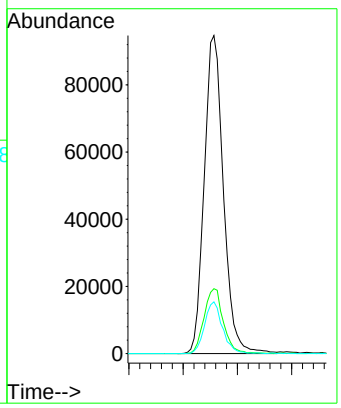


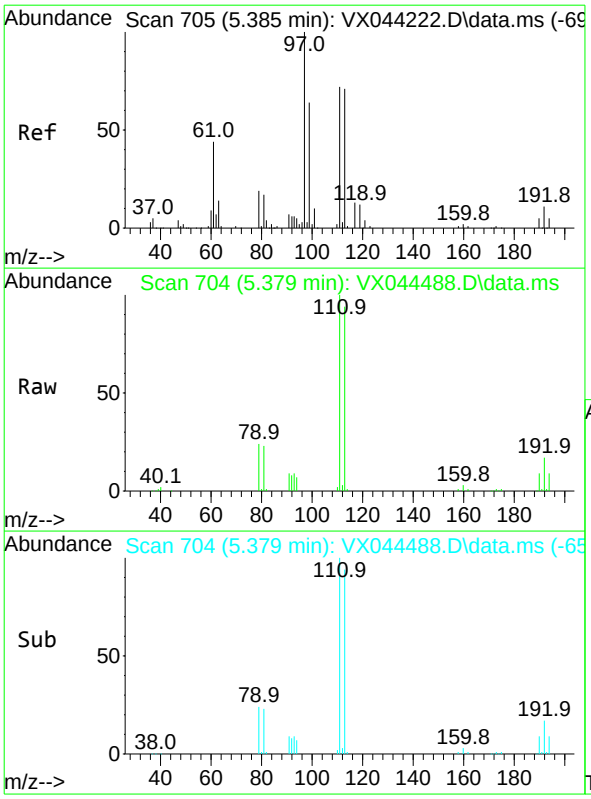




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

Tgt Ion:114 Resp: 232737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 40.6 |
| 88 | 16.3 | 0.0 | 31.8 |



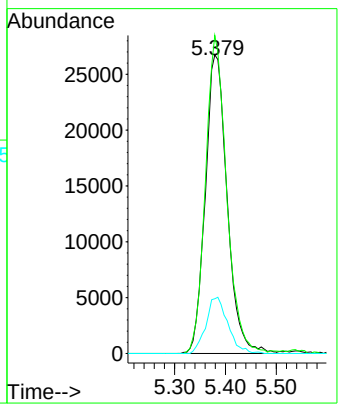


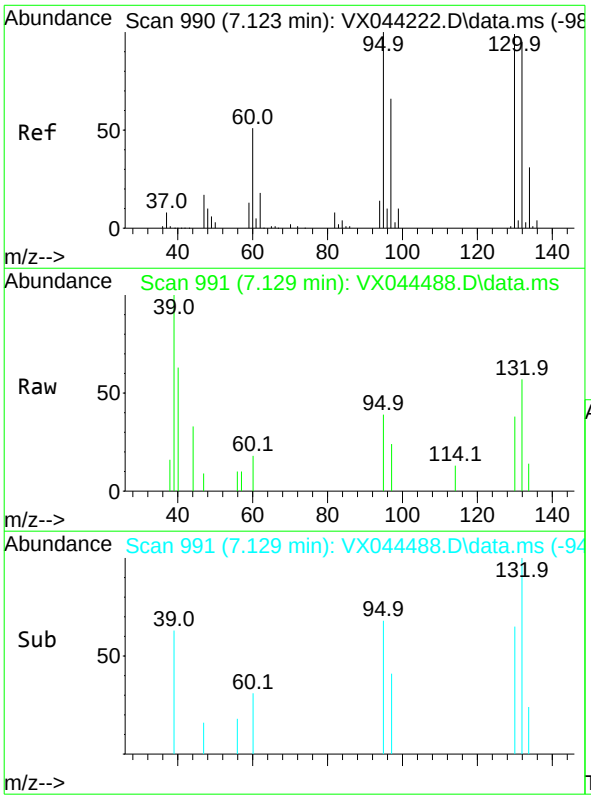

#35
Dibromofluoromethane
Concen: 49.601 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-05-20241217

Tgt Ion:113 Resp: 79952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 80.4 | 120.6 |
| 192 | 18.9 | 13.3 | 19.9 |

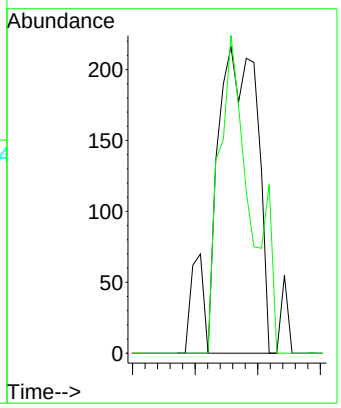


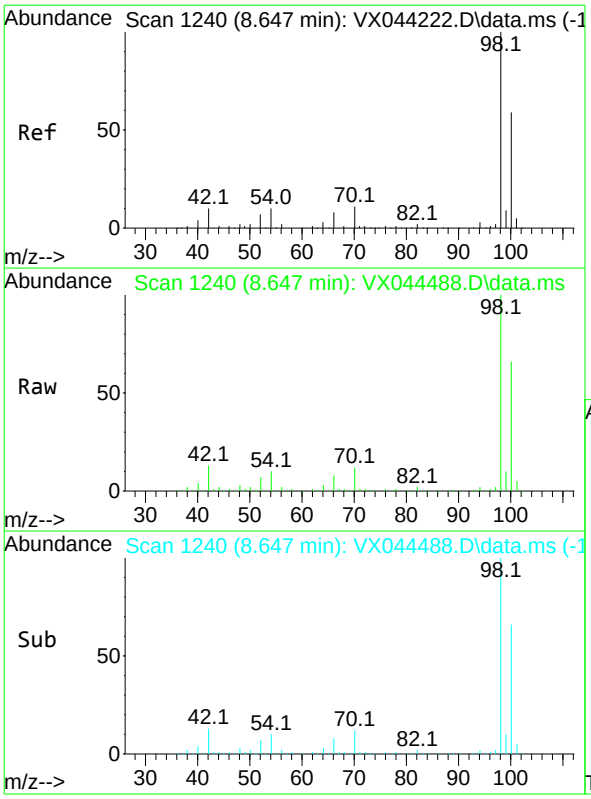




#44
Trichloroethene
Concen: 0.323 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

Tgt Ion:130 Resp: 510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.7 | 0.0 | 201.4 |



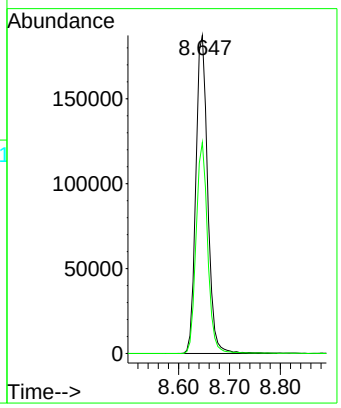


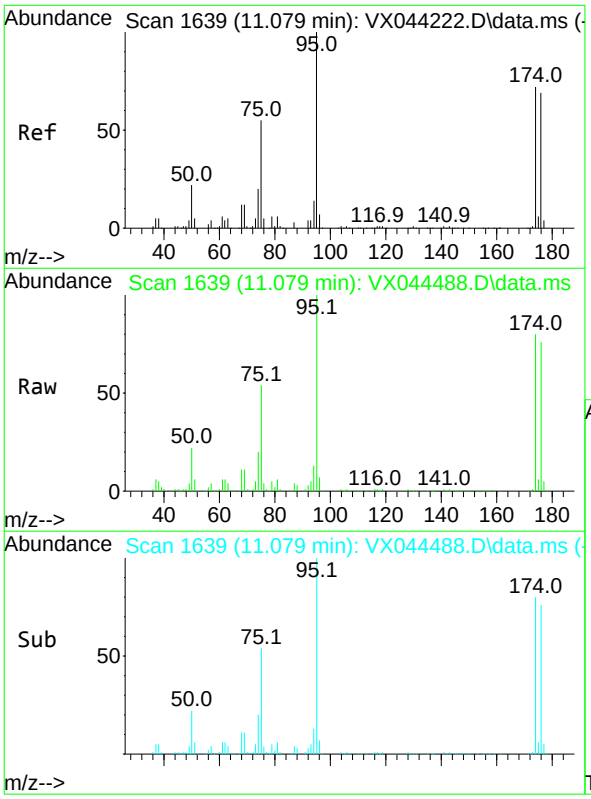

#50
Toluene-d8
Concen: 55.570 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-05-20241217

Tgt Ion: 98 Resp: 302195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 51.5 | 77.3 |

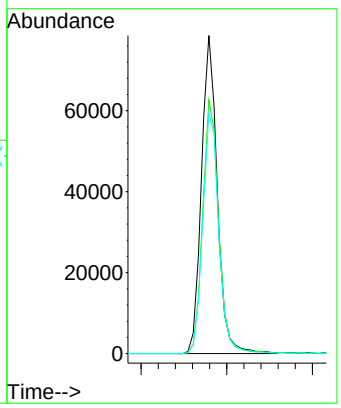


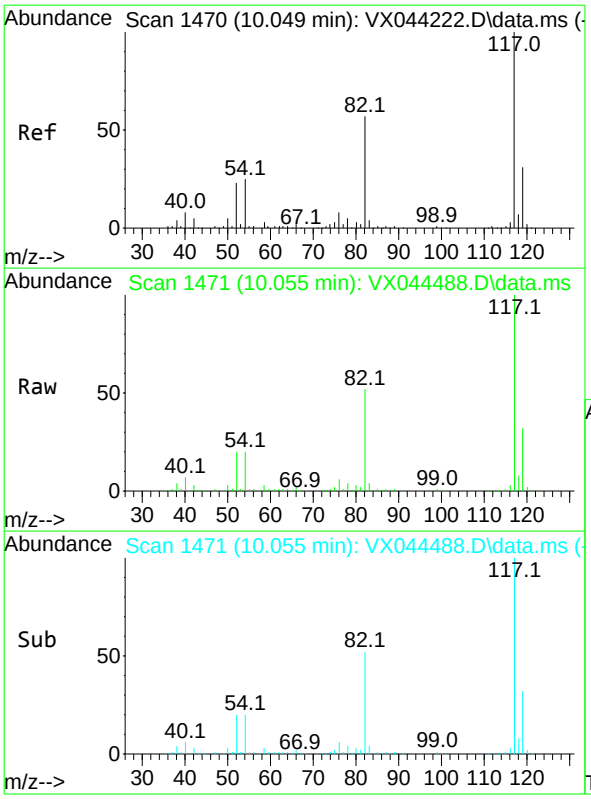




#62
4-Bromofluorobenzene
Concen: 53.104 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

Tgt Ion: 95 Resp: 100909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.7 | 0.0 | 145.8 |
| 176 | 77.5 | 0.0 | 137.8 |



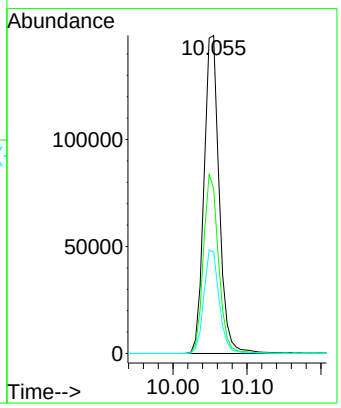


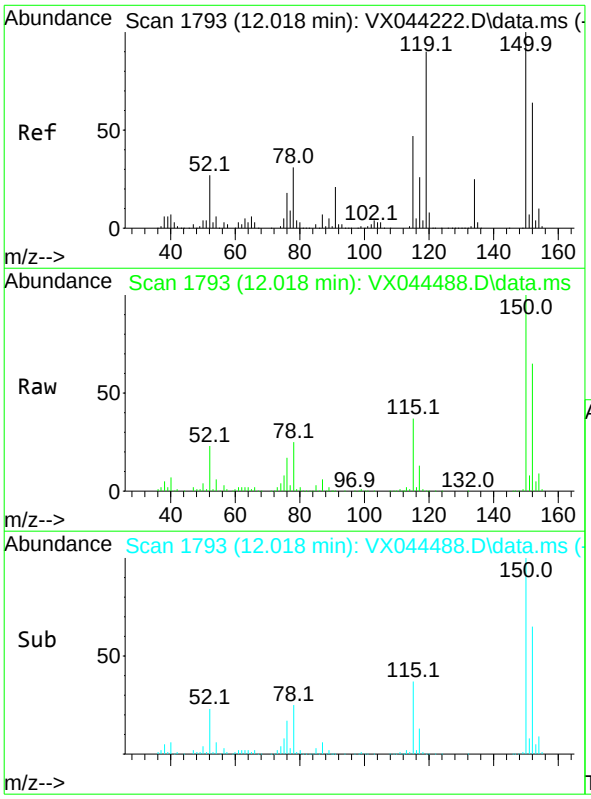

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-05-20241217

Tgt Ion:117 Resp: 211937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.9 | 45.8 | 68.8 |
| 119 | 31.9 | 25.0 | 37.4 |

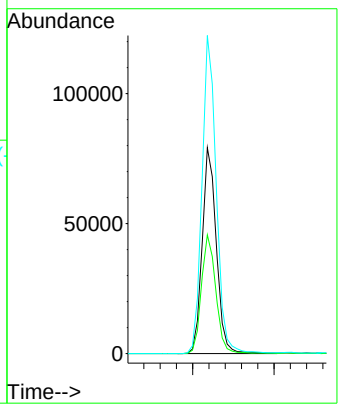



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044488.D
Acq: 23 Dec 2024 18:17

Tgt Ion:152 Resp: 95898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.7 | 44.5 | 133.3 |
| 150 | 155.3 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT172S1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-12 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044410.D | 1 | | 12/19/24 03:44 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.30 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 39.5 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044410.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT172S1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-12 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044410.D | 1 | | 12/19/24 03:44 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 1.90 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.5 | | 81 - 118 | | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.9 | | 80 - 119 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.6 | | 89 - 112 | | 105% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.8 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 107000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 190000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 168000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 68300 | 12.024 | | | | |

Raw Data: **VX044410.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TT172S1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-12 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044410.D | 1 | | 12/19/24 03:44 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044410.D
Acq On : 19 Dec 2024 03:44
Operator : JC/MD
Sample : P5317-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT172S1-20241217

Quant Time: Dec 19 05:10:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

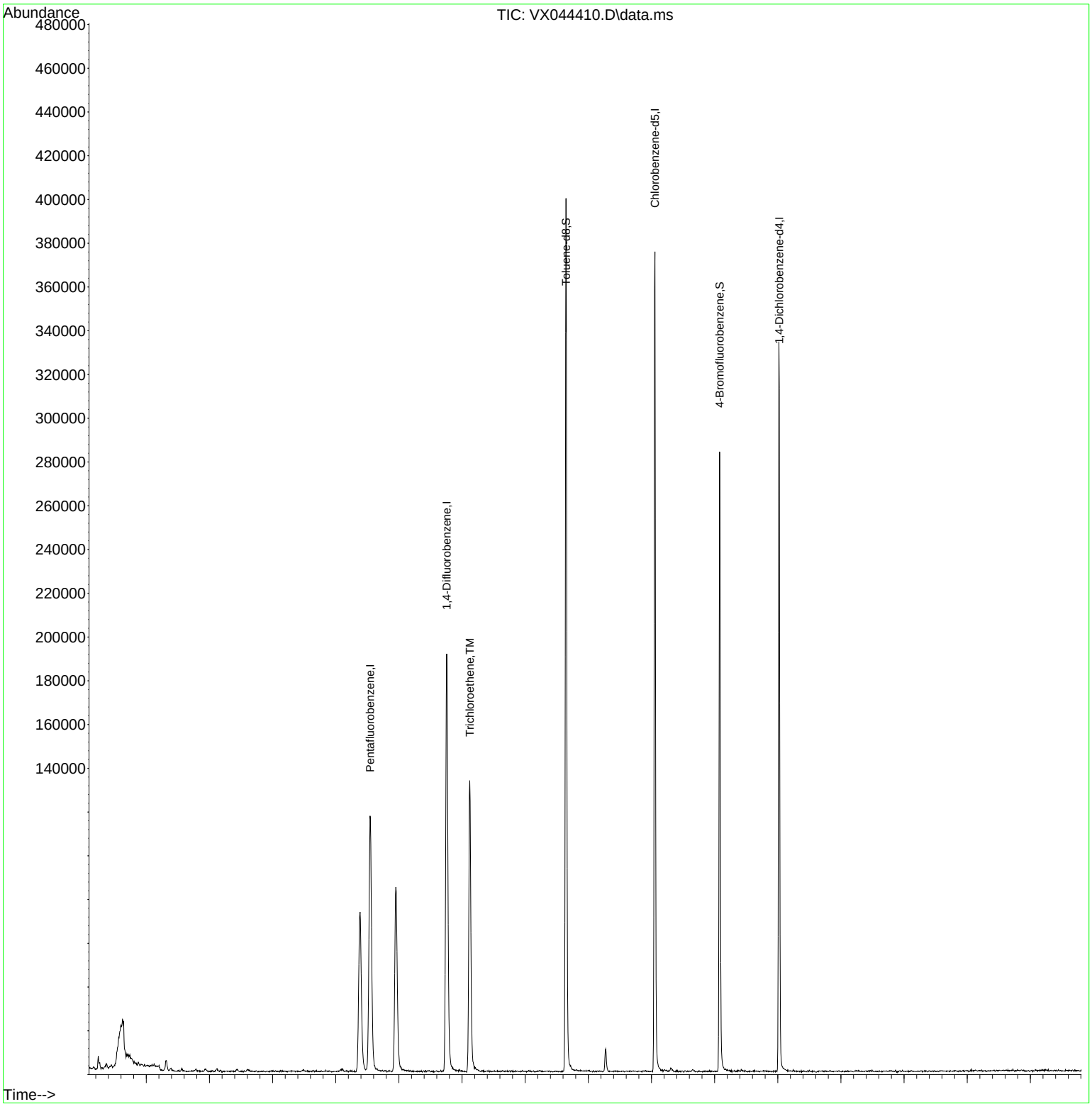
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 106531 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 190393 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 168278 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 68296 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 85005 | 45.510 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.020% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 63211 | 47.936 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.880% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 234127 | 52.628 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 105.260% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 74312 | 47.805 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.600% | | | |
| Target Compounds | | | | | | Qvalue |
| 9) 1,1,2-Trichlorotrifluo... | 2.306 | 101 | 1648 | 1.268 | ug/l | 94 |
| 16) Acetone | 2.392 | 43 | 1149 | 1.509 | ug/l # | 69 |
| 20) Methylene Chloride | 2.788 | 84 | 353 | 0.247 | ug/l # | 74 |
| 44) Trichloroethene | 7.123 | 130 | 50938 | 39.470 | ug/l | 99 |
| 64) Tetrachloroethene | 9.281 | 164 | 2089 | 1.870 | ug/l # | 82 |

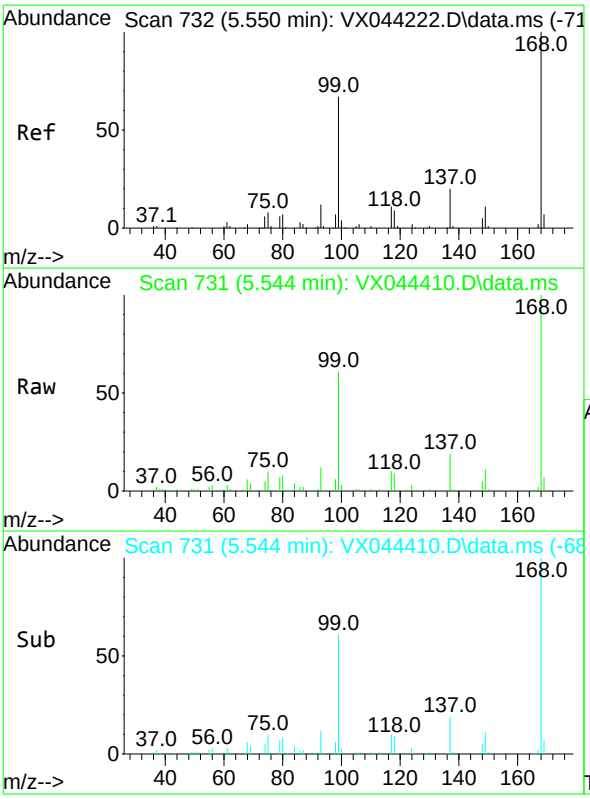
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044410.D
Acq On : 19 Dec 2024 03:44
Operator : JC/MD
Sample : P5317-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT172S1-20241217

Quant Time: Dec 19 05:10:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



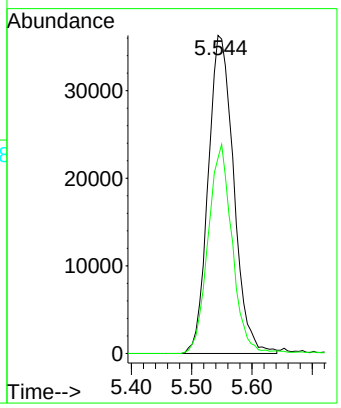


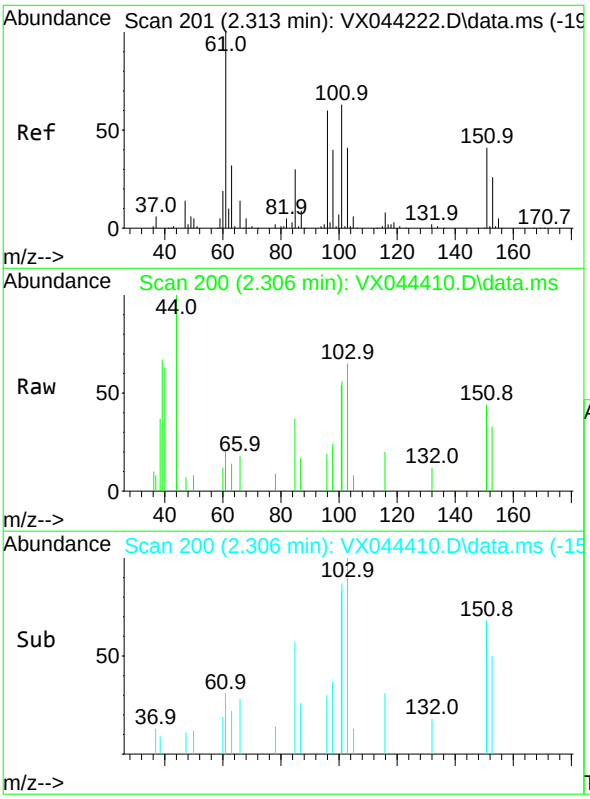

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT172S1-20241217

Tgt Ion:168 Resp: 106531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.4 | 53.4 | 80.0 |

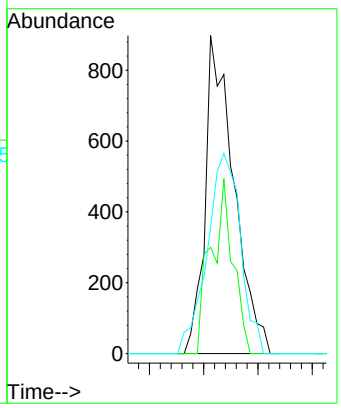


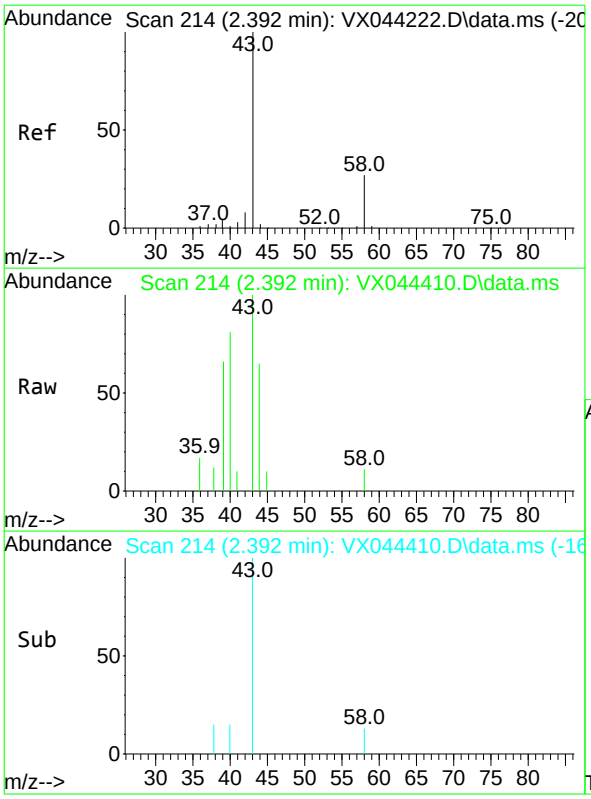




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.268 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion:101 Resp: 1648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.2 | 38.5 | 57.7 |
| 151 | 73.4 | 55.8 | 83.6 |



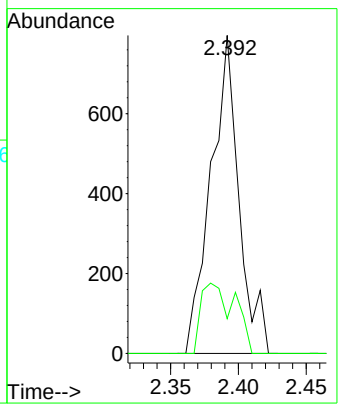


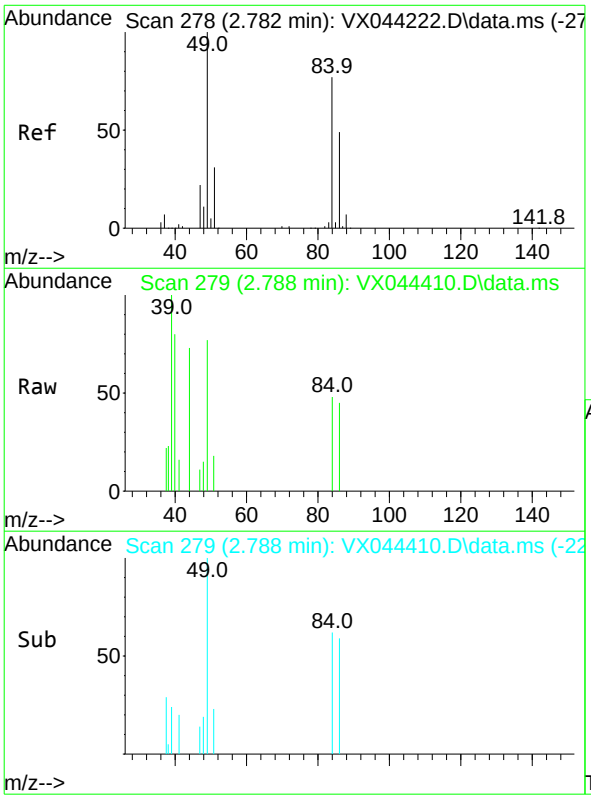

#16
Acetone
Concen: 1.509 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT172S1-20241217

Tgt Ion: 43 Resp: 1149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.9 | 21.6 | 32.4# |

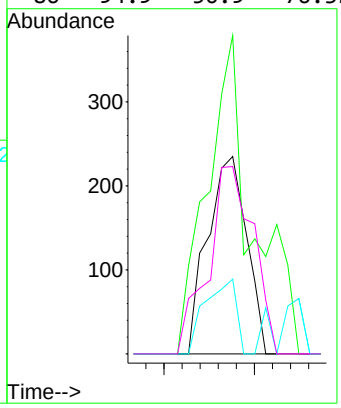


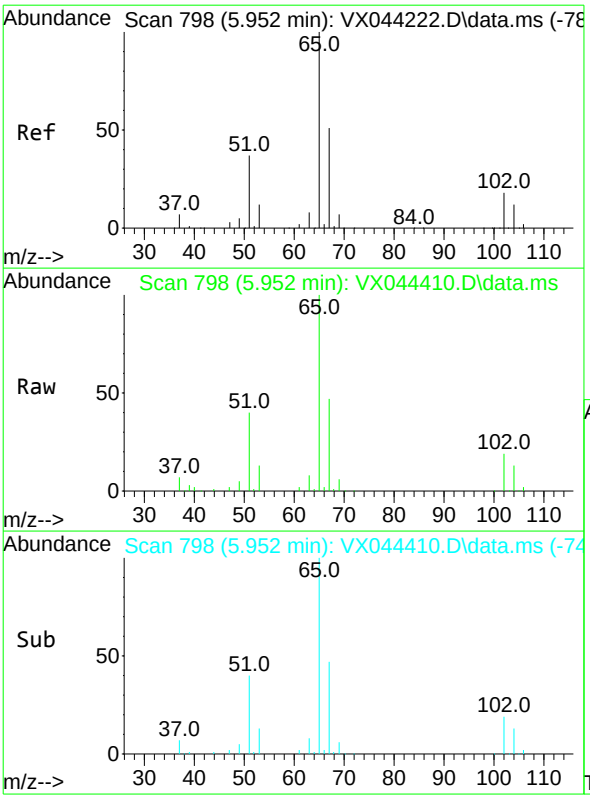




#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion: 84 Resp: 353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 161.3 | 104.2 | 156.4# |
| 51 | 37.9 | 32.2 | 48.4 |
| 86 | 94.9 | 50.9 | 76.3# |



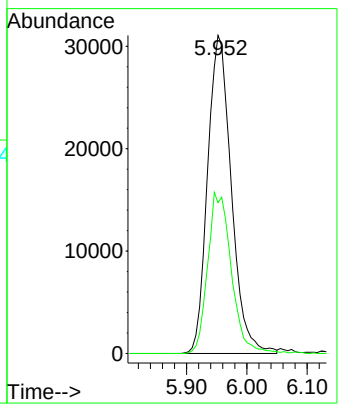


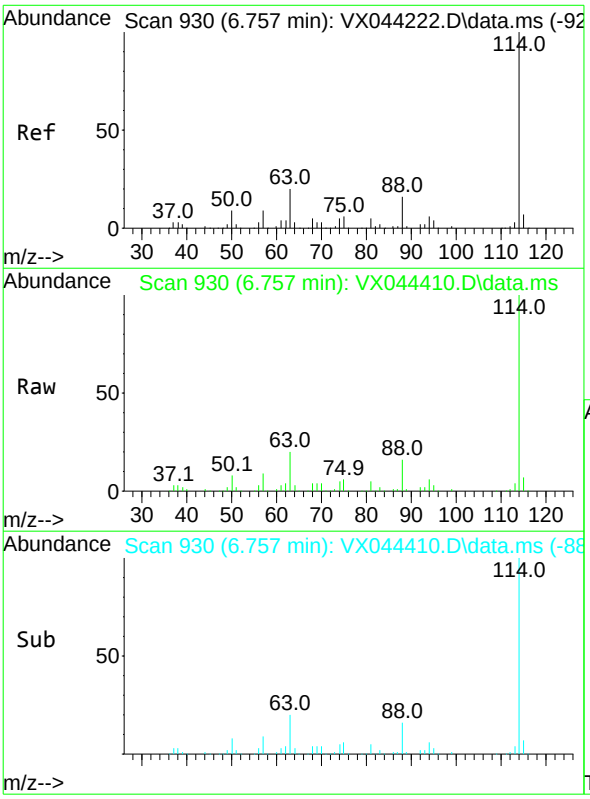

#33
1,2-Dichloroethane-d4
Concen: 45.510 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT172S1-20241217

Tgt Ion: 65 Resp: 85005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 101.6 |

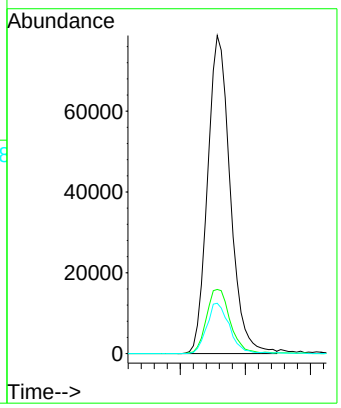


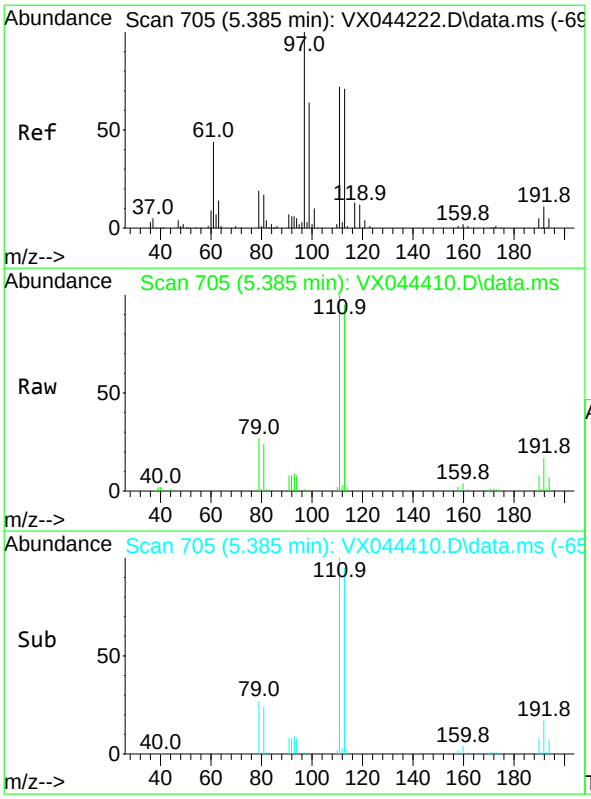




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion:114 Resp: 190393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 40.6 |
| 88 | 15.8 | 0.0 | 31.8 |



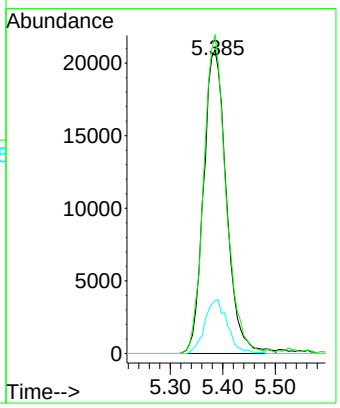


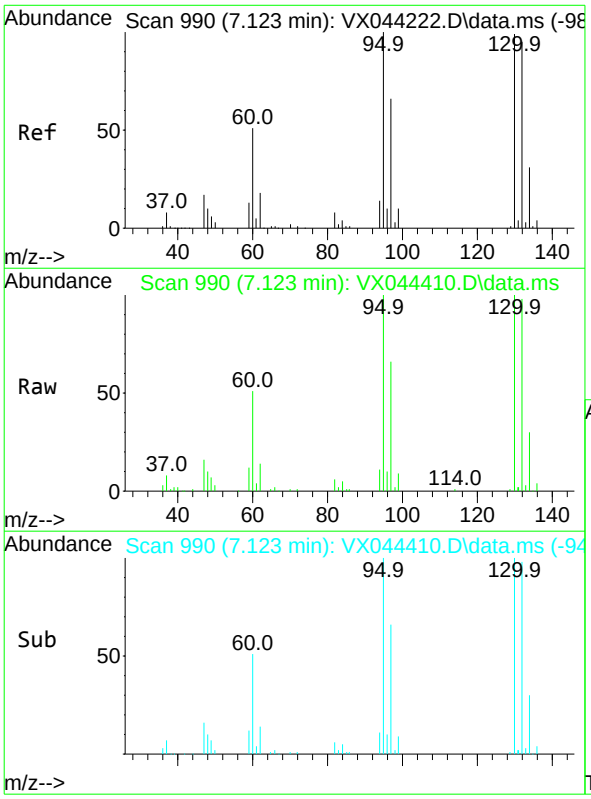

#35
Dibromofluoromethane
Concen: 47.936 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT172S1-20241217

Tgt Ion:113 Resp: 63211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 80.4 | 120.6 |
| 192 | 17.7 | 13.3 | 19.9 |

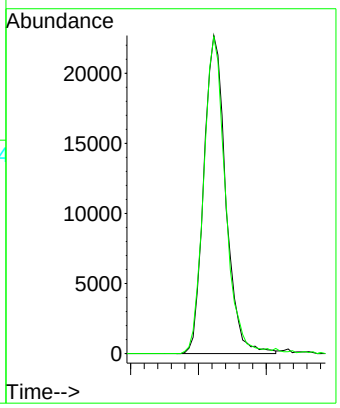


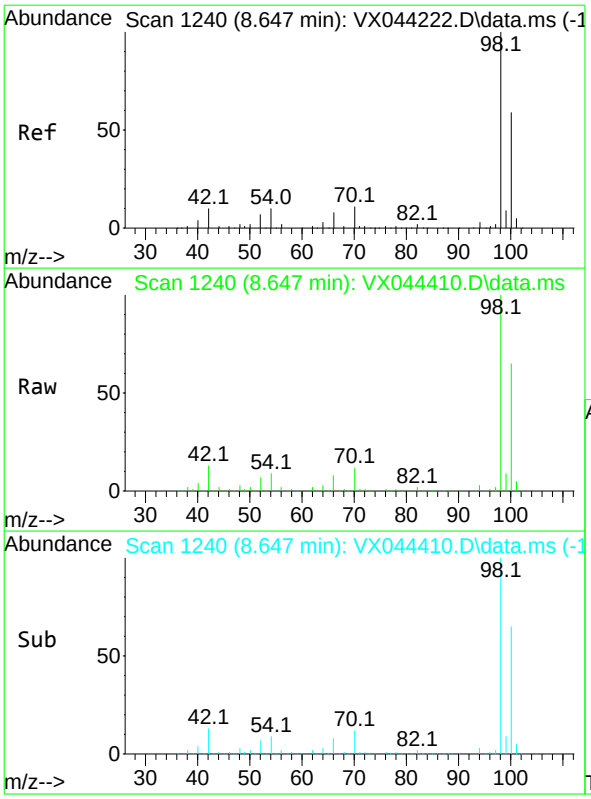




#44
Trichloroethene
Concen: 39.470 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion:130 Resp: 50938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.5 | 0.0 | 201.4 |



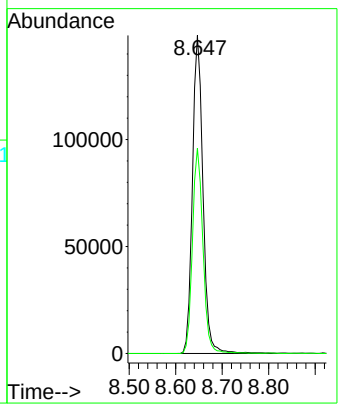


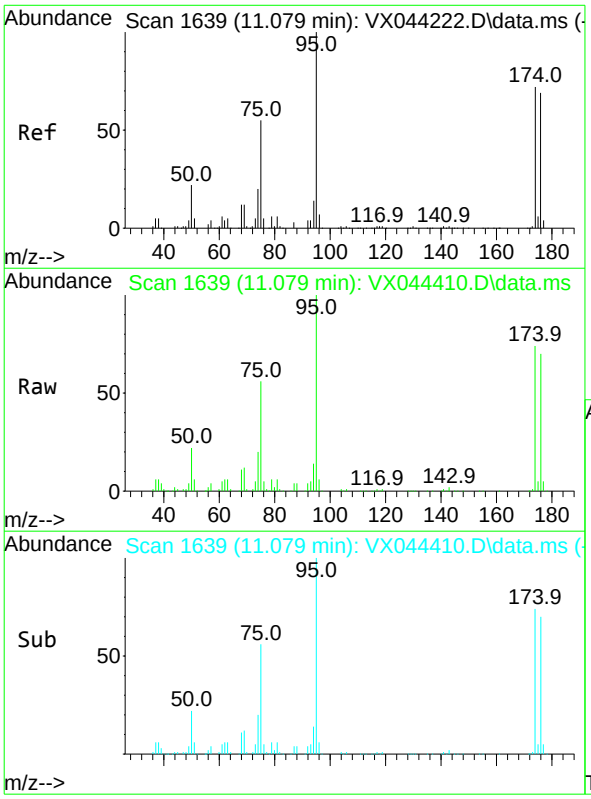

#50
Toluene-d8
Concen: 52.628 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT172S1-20241217

Tgt Ion: 98 Resp: 234127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 51.5 | 77.3 |

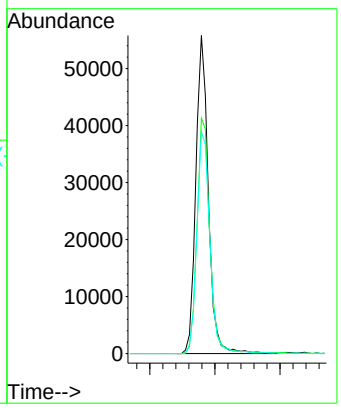


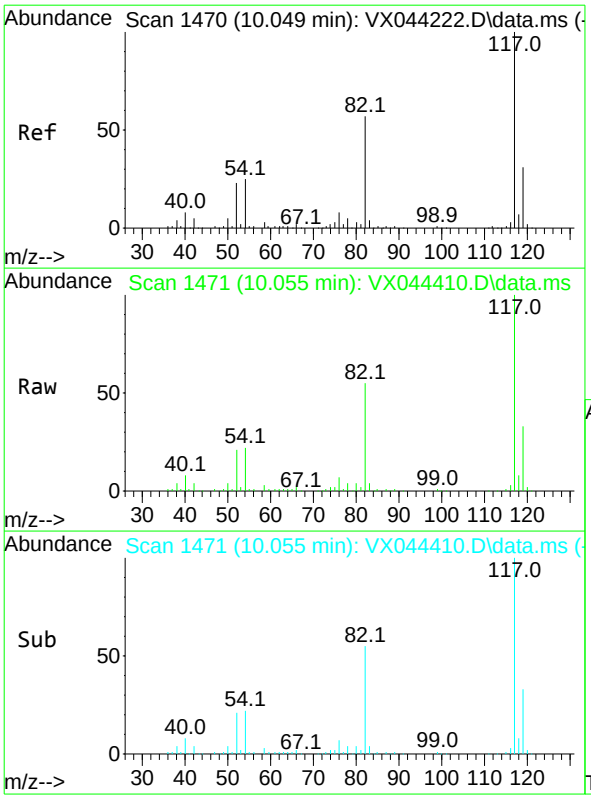




#62
4-Bromofluorobenzene
Concen: 47.805 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion: 95 Resp: 74312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.1 | 0.0 | 145.8 |
| 176 | 72.9 | 0.0 | 137.8 |



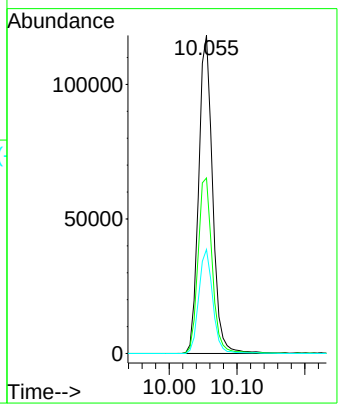


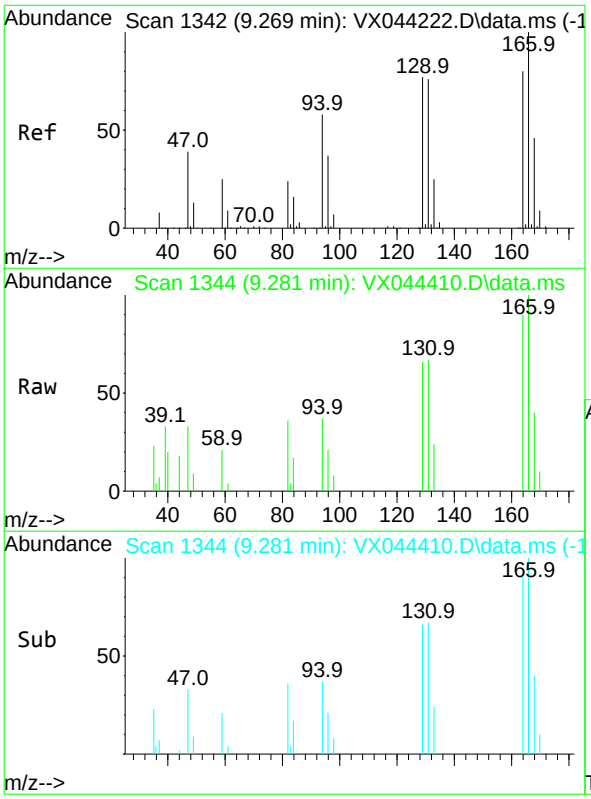

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT172S1-20241217

Tgt Ion:117 Resp: 168278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 45.8 | 68.8 |
| 119 | 32.7 | 25.0 | 37.4 |

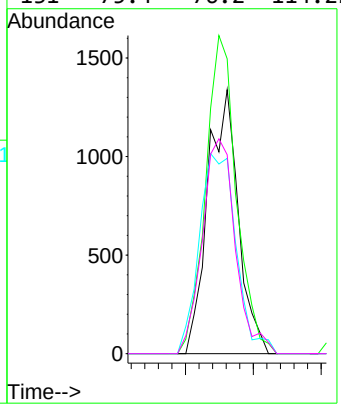


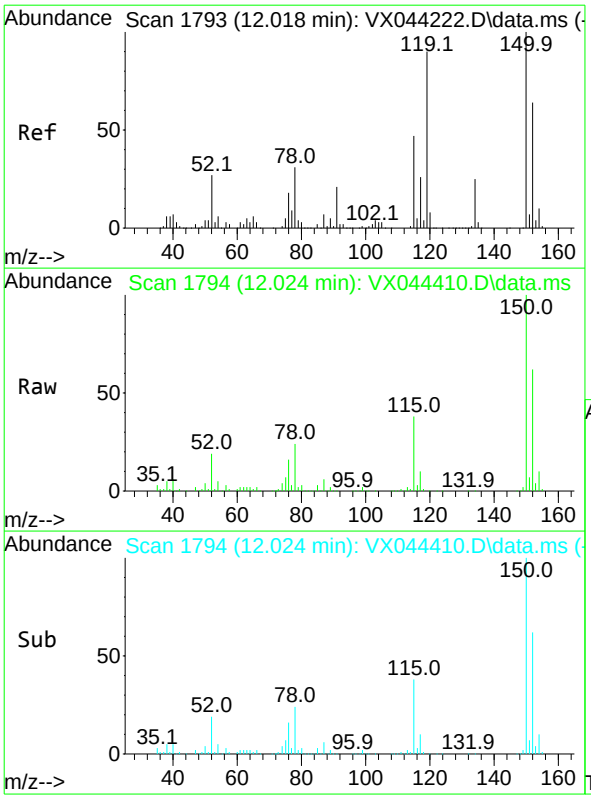




#64
Tetrachloroethene
Concen: 1.870 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.012 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion:164 Resp: 2089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 111.7 | 100.4 | 150.6 |
| 129 | 74.0 | 77.2 | 115.8# |
| 131 | 75.4 | 76.2 | 114.2# |



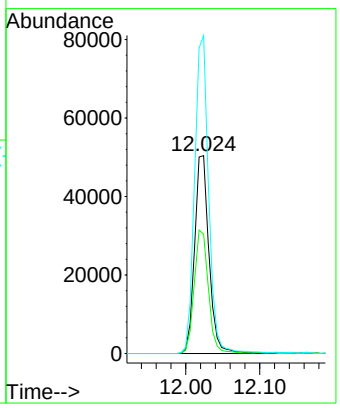



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT172S1-20241217

Tgt Ion:152 Resp: 68296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.5 | 44.5 | 133.3 |
| 150 | 156.8 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01S-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-13 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044411.D | 1 | | 12/19/24 04:07 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.81 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.60 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.32 | J | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044411.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01S-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-13 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044411.D | 1 | | 12/19/24 04:07 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.3 | | 81 - 118 | | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.9 | | 80 - 119 | | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.4 | | 89 - 112 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.9 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 107000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 197000 | 6.763 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 179000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 73700 | 12.024 | | | | |

Raw Data: **VX044411.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01S-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-13 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044411.D | 1 | | 12/19/24 04:07 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044411.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044411.D
Acq On : 19 Dec 2024 04:07
Operator : JC/MD
Sample : P5317-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01S-20241217

Quant Time: Dec 19 05:10:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 106718 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 197494 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 178573 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 73713 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 86691 | 46.331 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 92.660% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 64172 | 46.915 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.840% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 237009 | 51.360 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.720% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 77233 | 47.897 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.800% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.294 | 50 | 1270 | 0.805 | ug/l | 97 |
| 16) Acetone | 2.392 | 43 | 1243 | 1.629 | ug/l # | 69 |
| 20) Methylene Chloride | 2.788 | 84 | 365 | 0.255 | ug/l # | 64 |
| 44) Trichloroethene | 7.135 | 130 | 433 | 0.323 | ug/l | 80 |

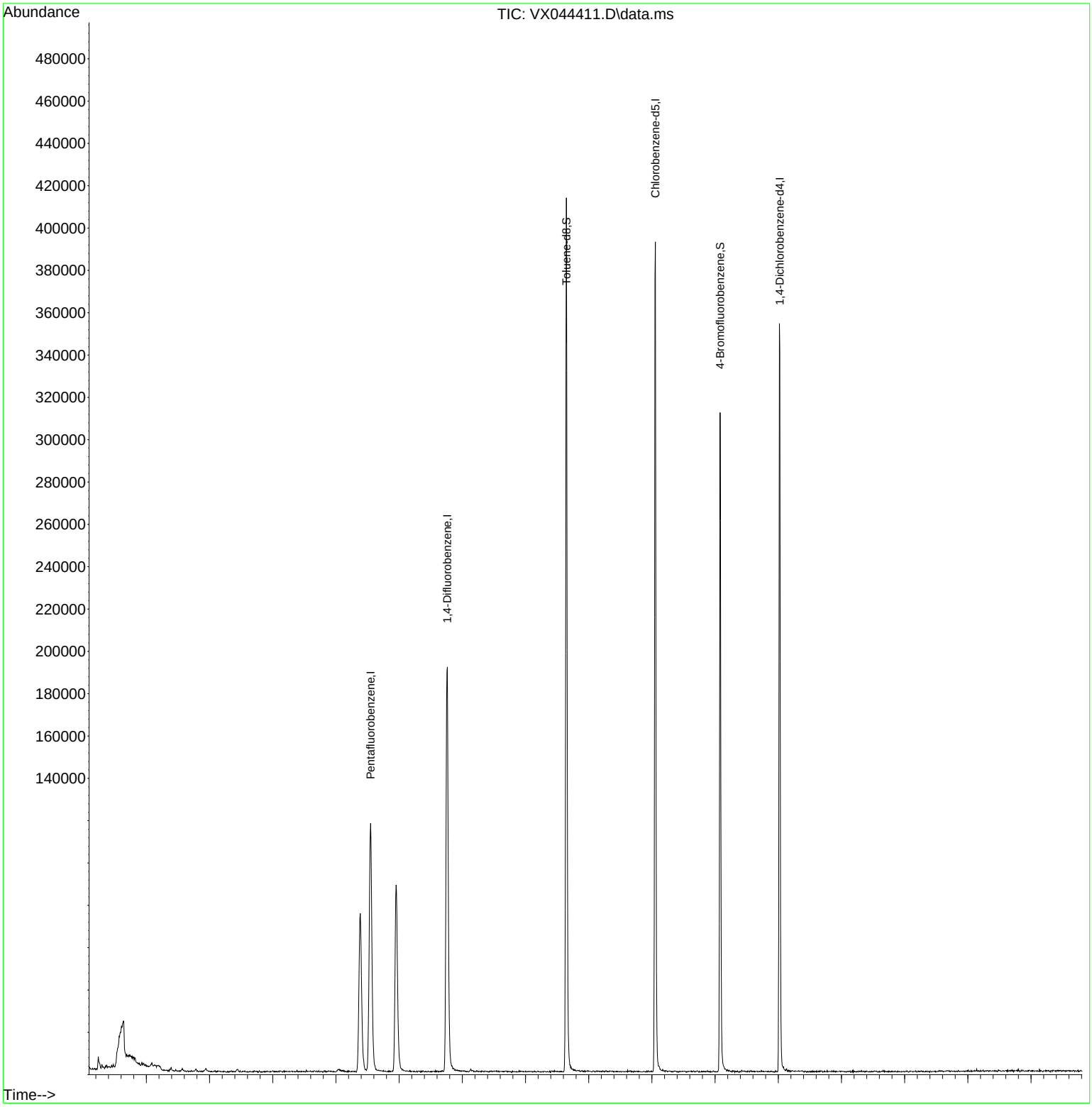
(#) = qualifier out of range (m) = manual integration (+) = signals summed

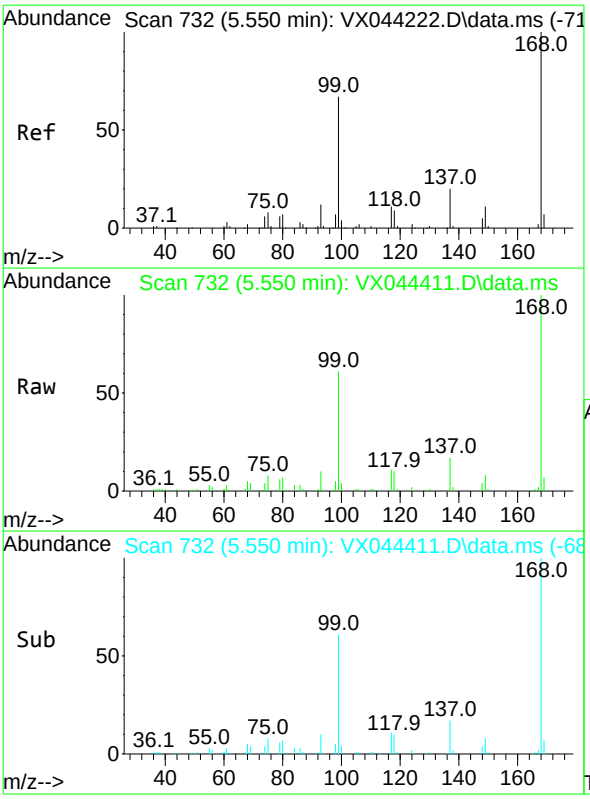
Sample Results: **VX044411.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044411.D
Acq On : 19 Dec 2024 04:07
Operator : JC/MD
Sample : P5317-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01S-20241217

Quant Time: Dec 19 05:10:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



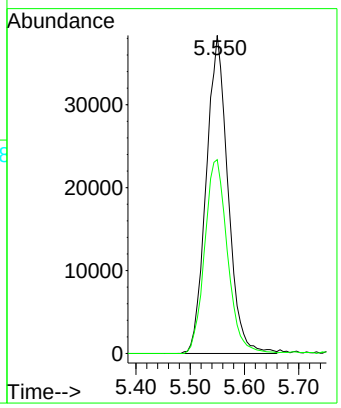


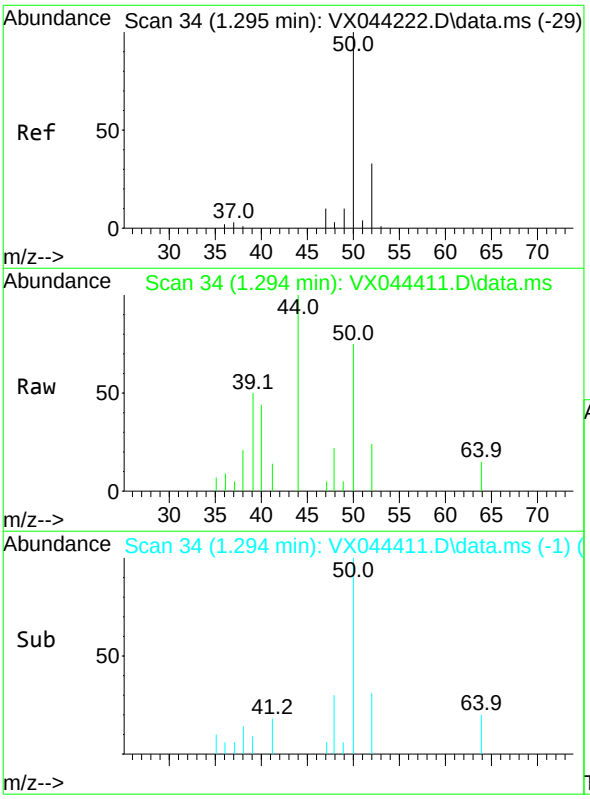

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01S-20241217

Tgt Ion:168 Resp: 106718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.9 | 53.4 | 80.0 |

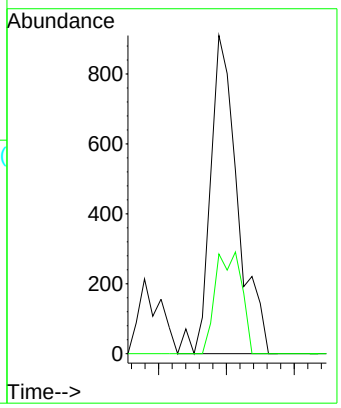


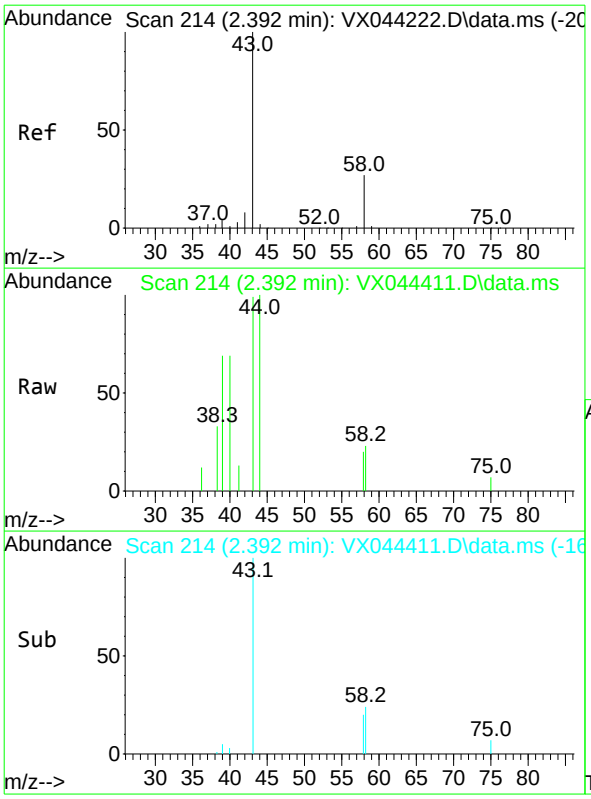




#3
Chloromethane
Concen: 0.805 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

Tgt Ion: 50 Resp: 1270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.3 | 26.5 | 39.7 |



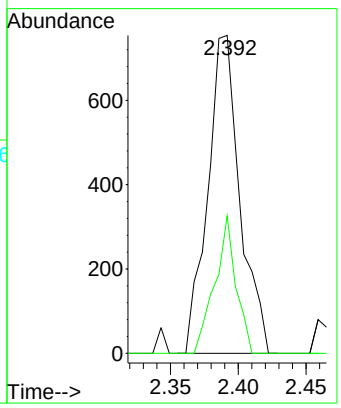


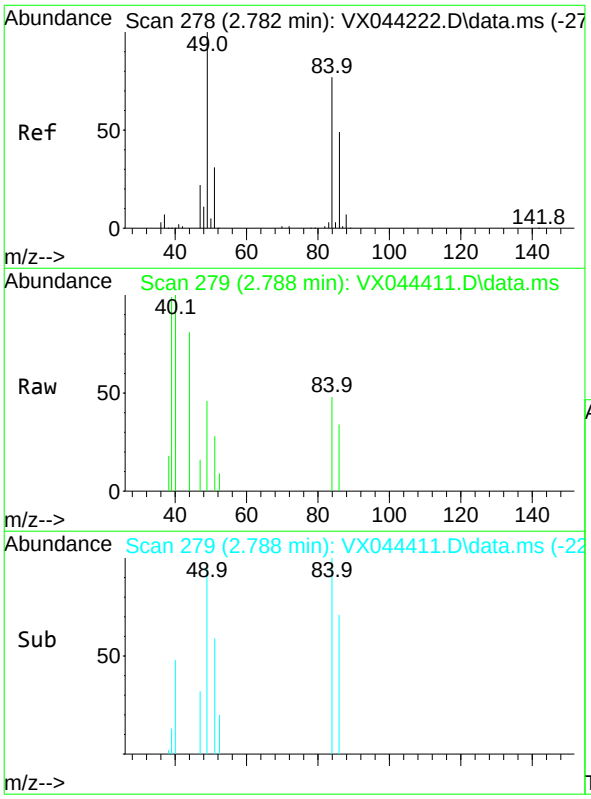

#16
Acetone
Concen: 1.629 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01S-20241217

Tgt Ion: 43 Resp: 1243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 43.2 | 21.6 | 32.4# |

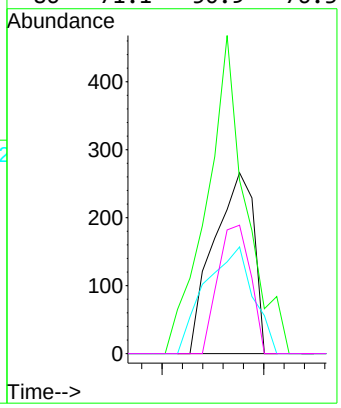


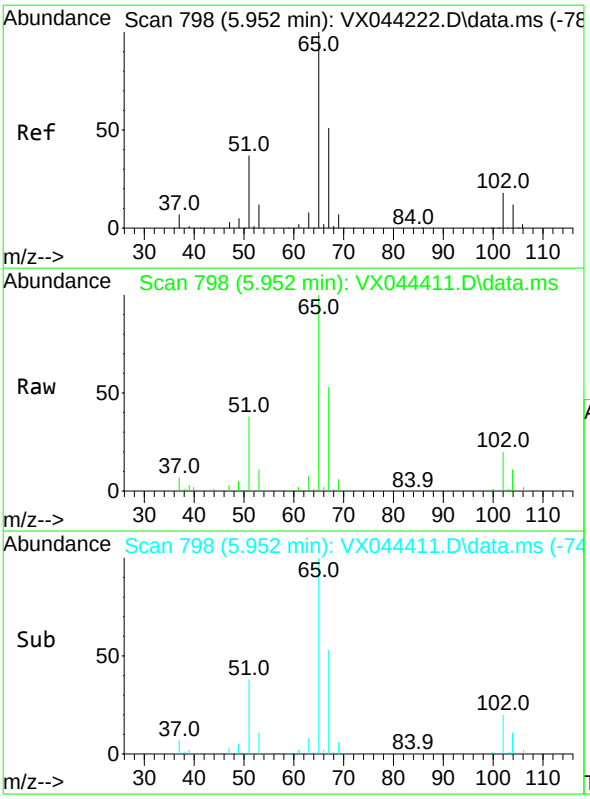




#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

Tgt Ion: 84 Resp: 365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 71.4 | 104.2 | 156.4# |
| 51 | 59.0 | 32.2 | 48.4# |
| 86 | 71.1 | 50.9 | 76.3 |



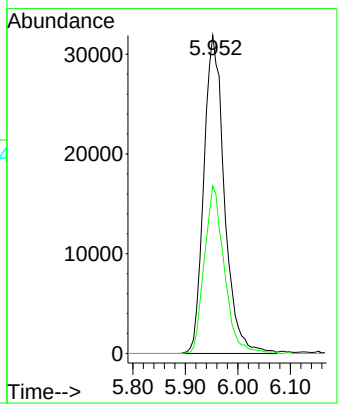


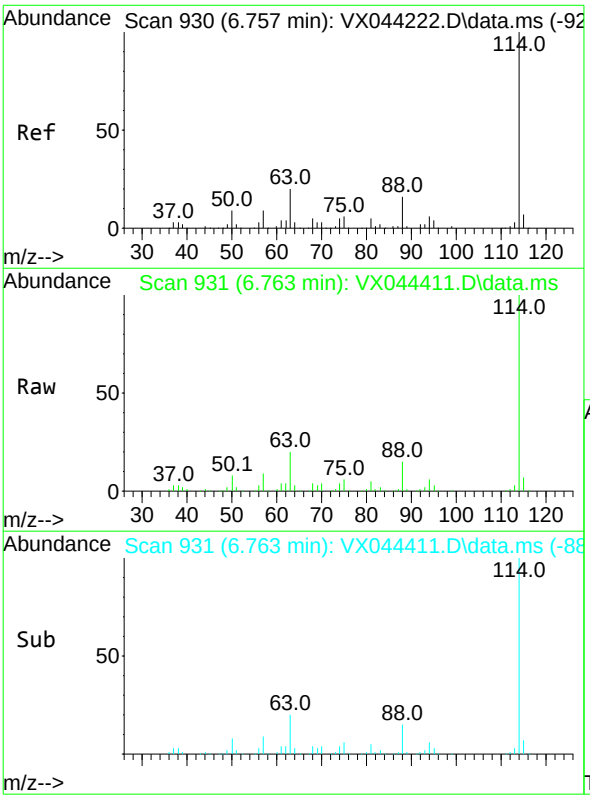

#33
1,2-Dichloroethane-d4
Concen: 46.331 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01S-20241217

Tgt Ion: 65 Resp: 86691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 101.6 |

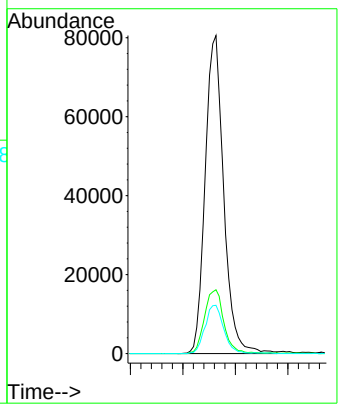


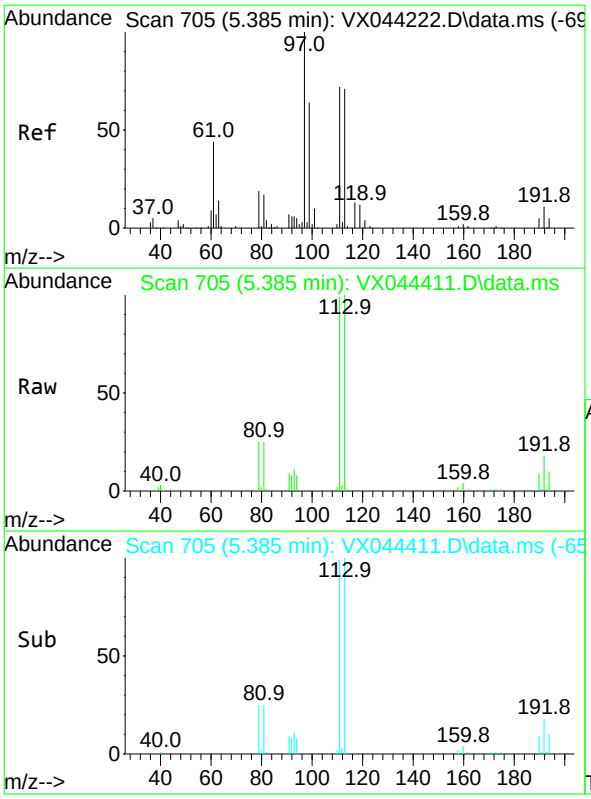




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

Tgt Ion:114 Resp: 197494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.1 | 0.0 | 40.6 |
| 88 | 15.2 | 0.0 | 31.8 |



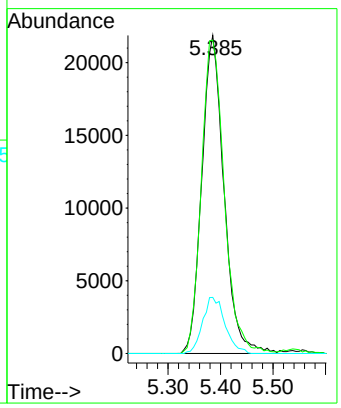


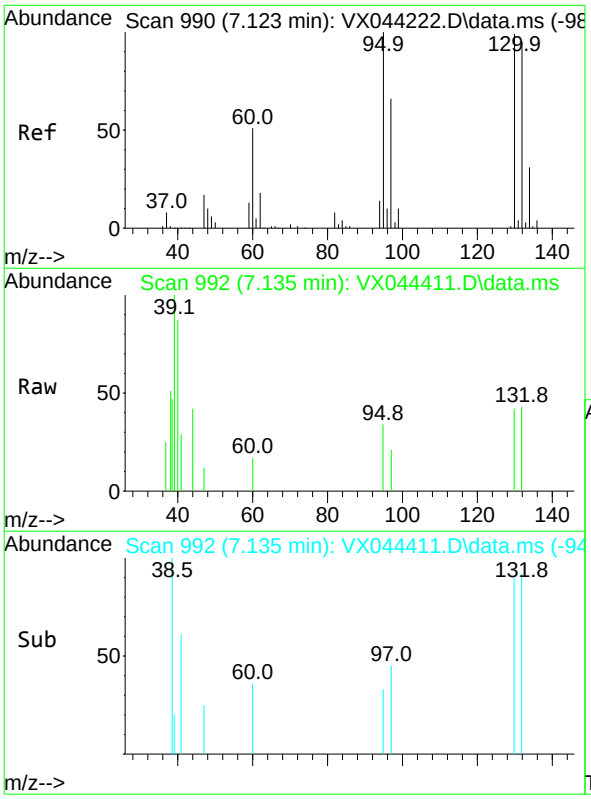

#35
Dibromofluoromethane
Concen: 46.915 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01S-20241217

Tgt Ion:113 Resp: 64172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 80.4 | 120.6 |
| 192 | 17.8 | 13.3 | 19.9 |

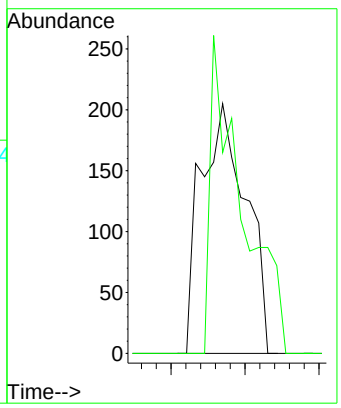


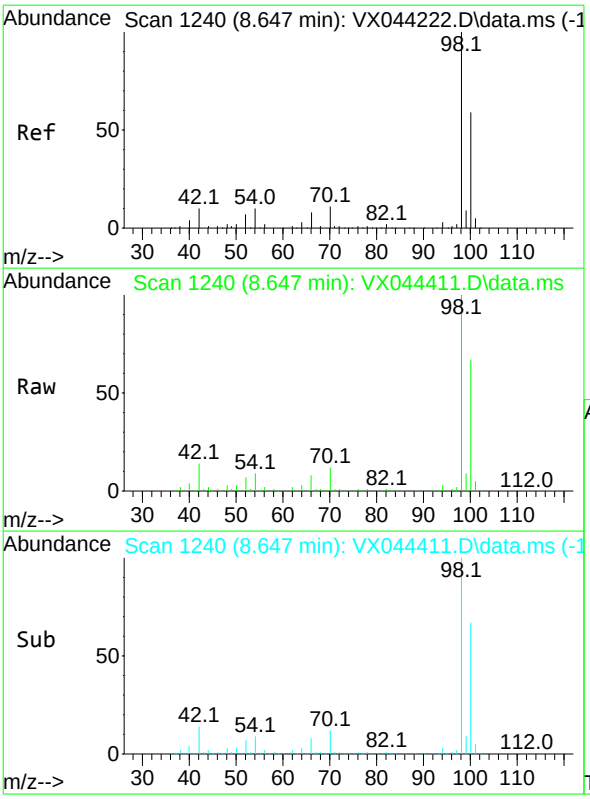




#44
Trichloroethene
Concen: 0.323 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

Tgt Ion:130 Resp: 433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 80.5 | 0.0 | 201.4 |



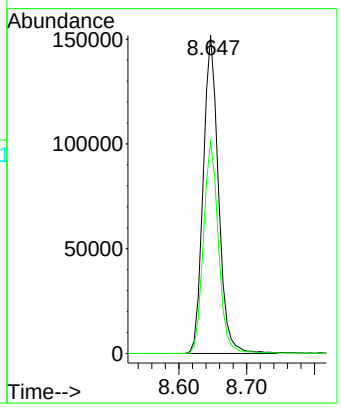


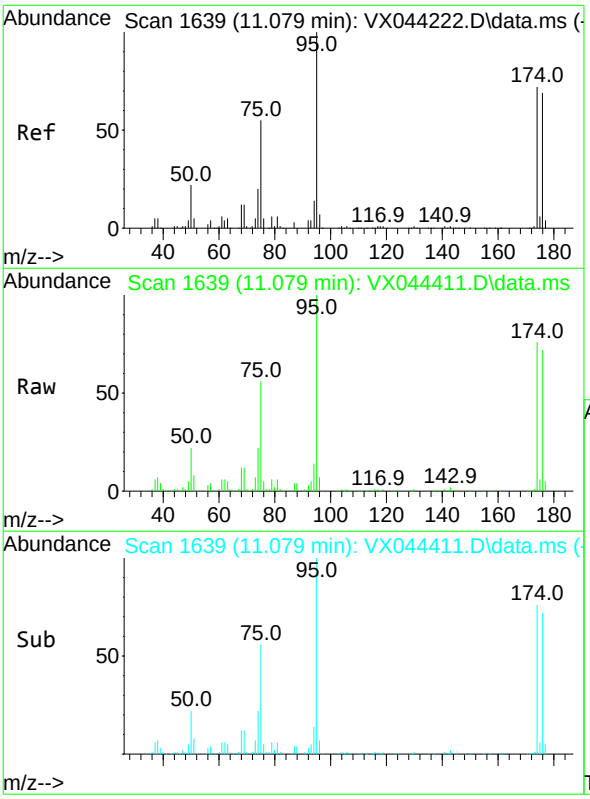

#50
Toluene-d8
Concen: 51.360 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01S-20241217

Tgt Ion: 98 Resp: 237009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 51.5 | 77.3 |

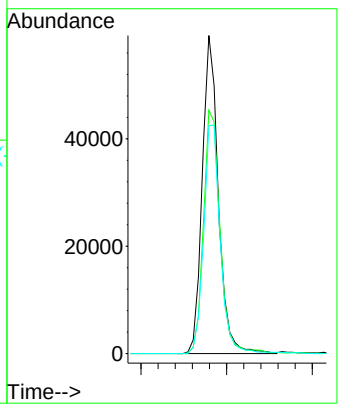


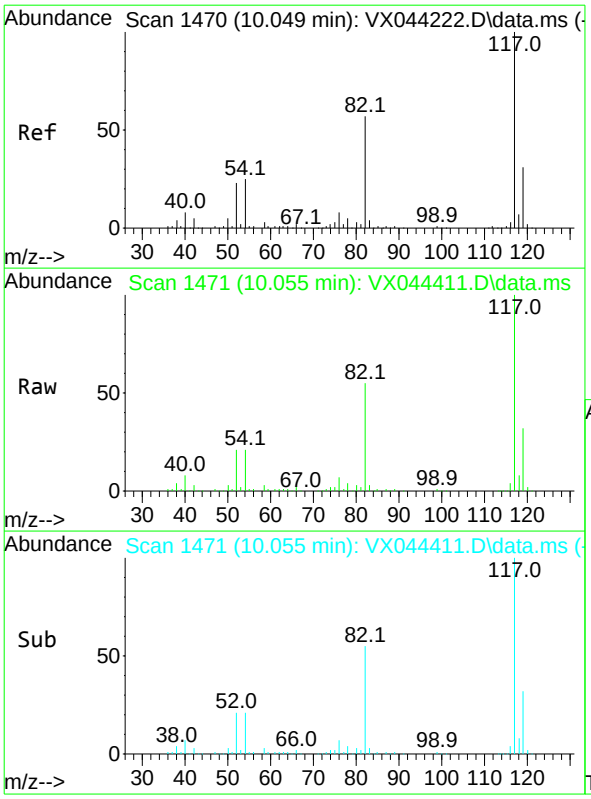




#62
4-Bromofluorobenzene
Concen: 47.897 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

Tgt Ion: 95 Resp: 77233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.3 | 0.0 | 145.8 |
| 176 | 74.7 | 0.0 | 137.8 |



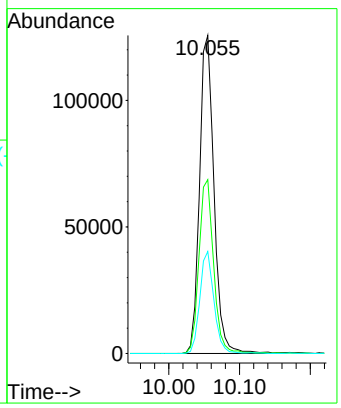


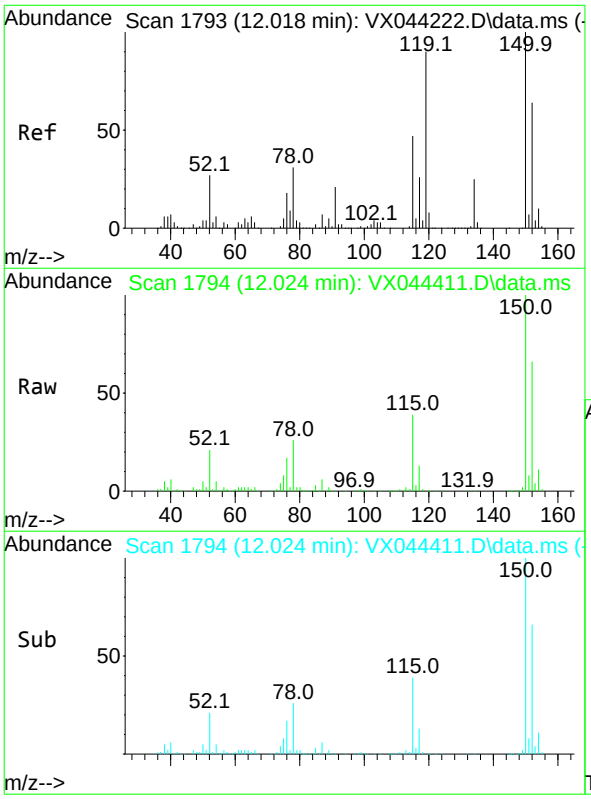

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01S-20241217

Tgt Ion:117 Resp: 178573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.7 | 45.8 | 68.8 |
| 119 | 32.1 | 25.0 | 37.4 |

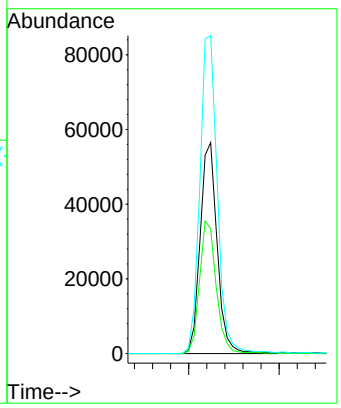



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044411.D
Acq: 19 Dec 2024 04:07

Tgt Ion:152 Resp: 73713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.9 | 44.5 | 133.3 |
| 150 | 155.2 | 0.0 | 353.8 |



Raw Data: **VX044412.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01D1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-14 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044412.D | 1 | | 12/19/24 04:31 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044412.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01D1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-14 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044412.D | 1 | | 12/19/24 04:31 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.1 | | 81 - 118 | | 92% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.3 | | 80 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.7 | | 89 - 112 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.3 | | 85 - 114 | | 93% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 111000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 207000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 181000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 74000 | 12.024 | | | | |

Raw Data: **VX044412.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01D1-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-14 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044412.D | 1 | | 12/19/24 04:31 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044412.D
Acq On : 19 Dec 2024 04:31
Operator : JC/MD
Sample : P5317-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D1-20241217

Quant Time: Dec 19 05:11:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

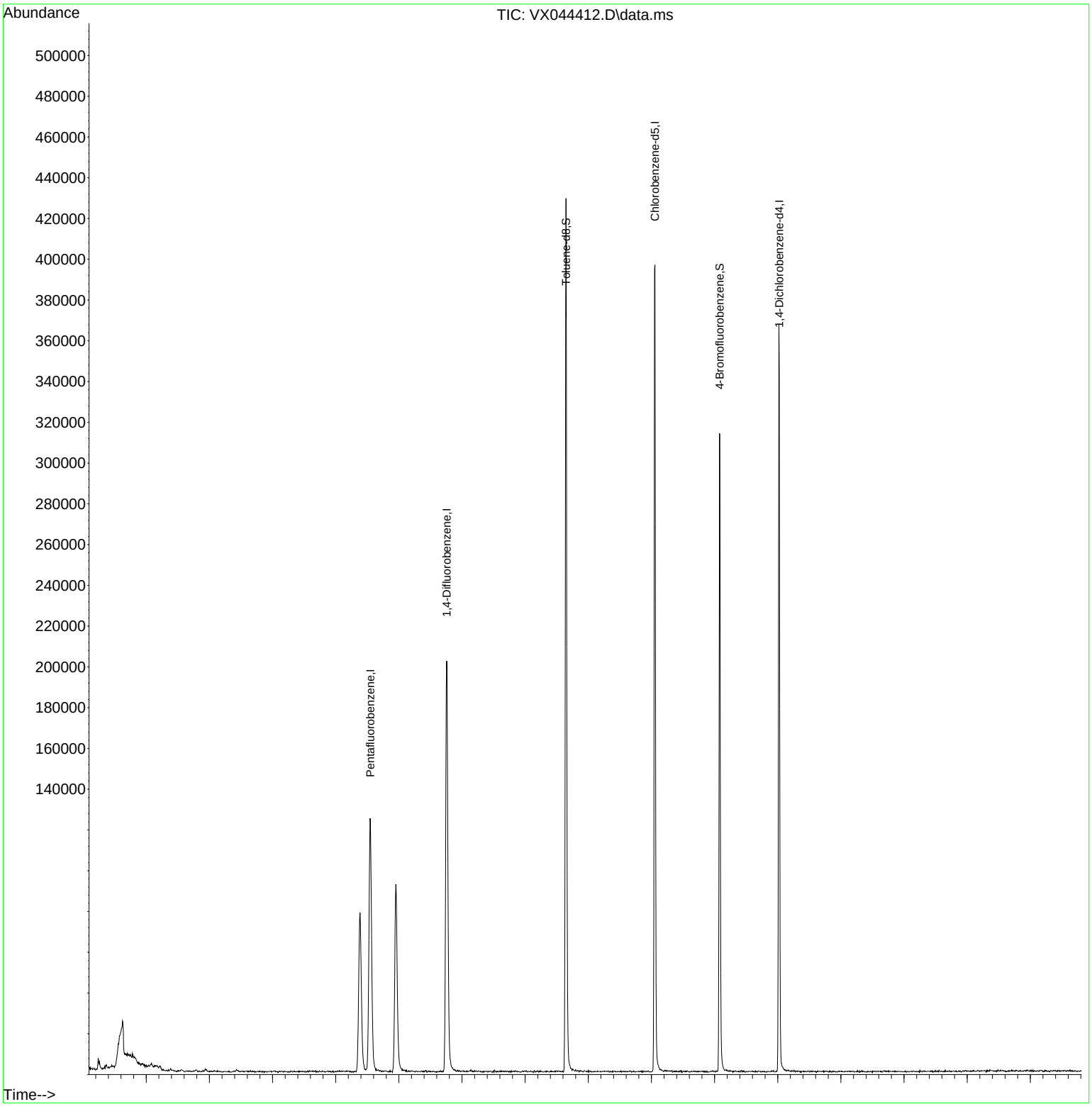
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 111175 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 207120 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 180812 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 74025 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 89922 | 46.131 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 92.260% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 67869 | 47.312 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.620% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 250204 | 51.700 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.400% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 78327 | 46.318 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 92.640% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.386 | 43 | 920 | 1.158 | ug/l | 93 |

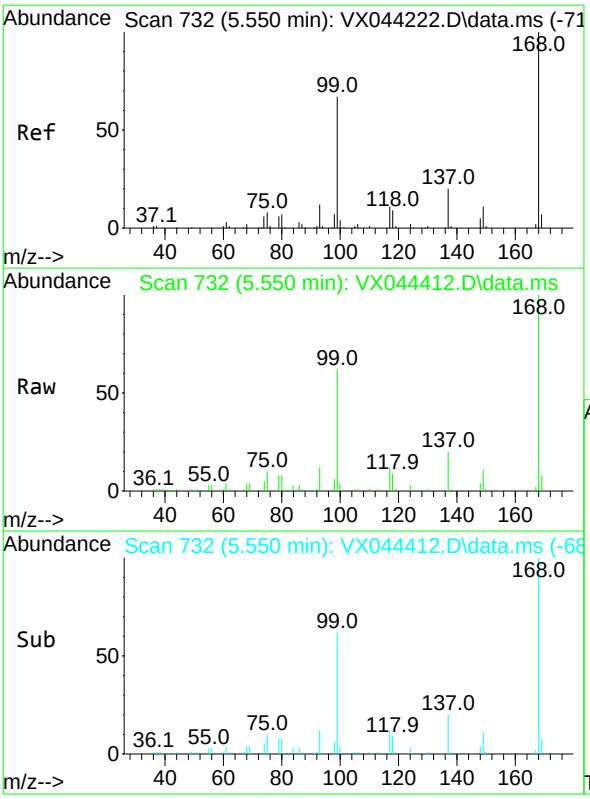
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044412.D
Acq On : 19 Dec 2024 04:31
Operator : JC/MD
Sample : P5317-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D1-20241217

Quant Time: Dec 19 05:11:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



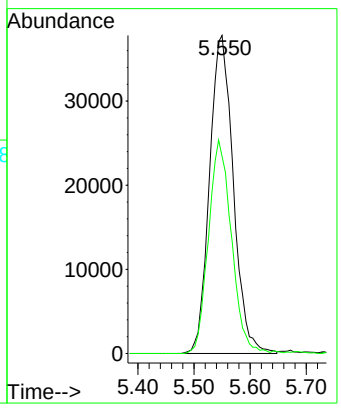


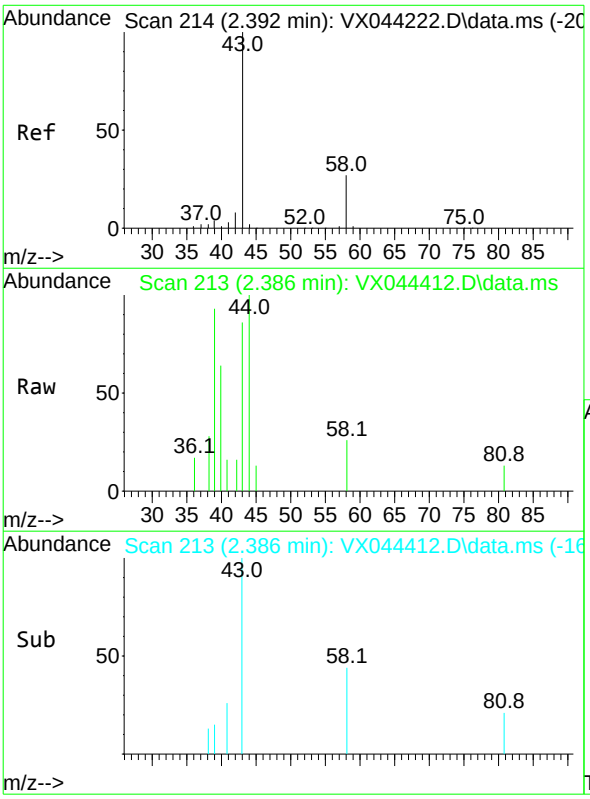

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044412.D
Acq: 19 Dec 2024 04:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D1-20241217

Tgt Ion:168 Resp: 111175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.0 | 53.4 | 80.0 |

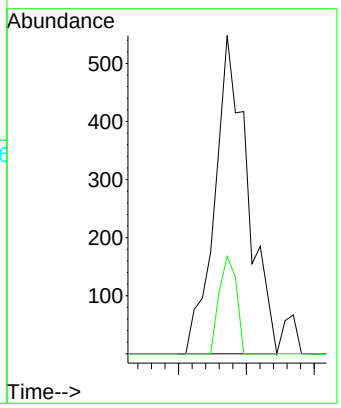


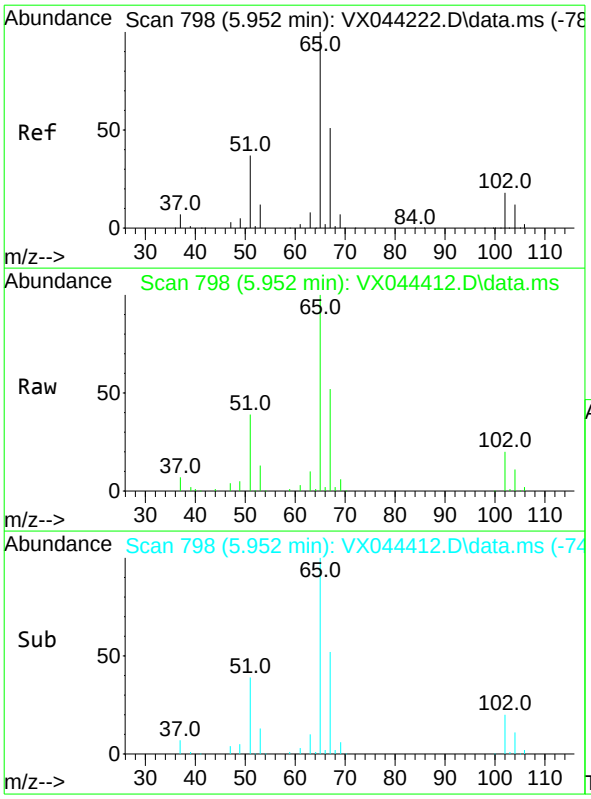




#16
Acetone
Concen: 1.158 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044412.D
Acq: 19 Dec 2024 04:31

Tgt Ion: 43 Resp: 920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.7 | 21.6 | 32.4 |



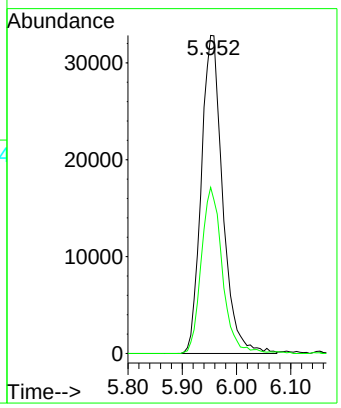


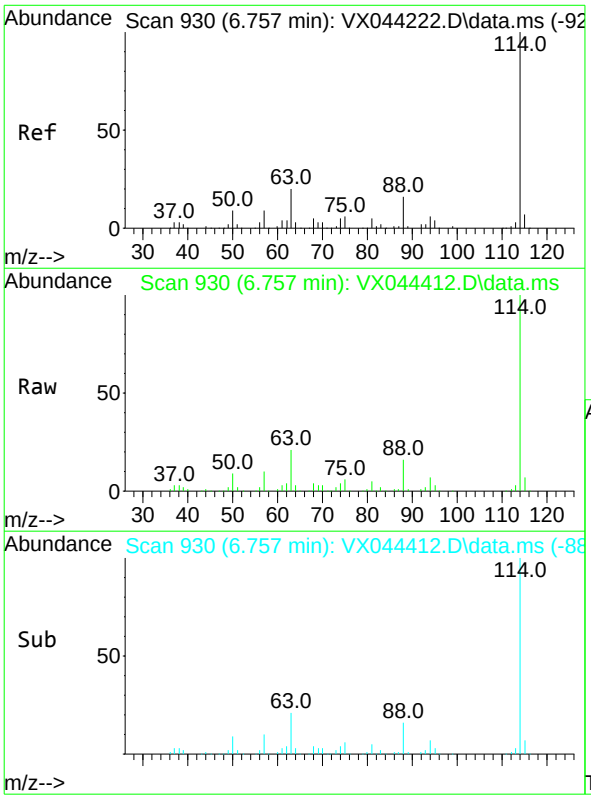

#33
1,2-Dichloroethane-d4
Concen: 46.131 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044412.D
Acq: 19 Dec 2024 04:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D1-20241217

Tgt Ion: 65 Resp: 89922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 101.6 |

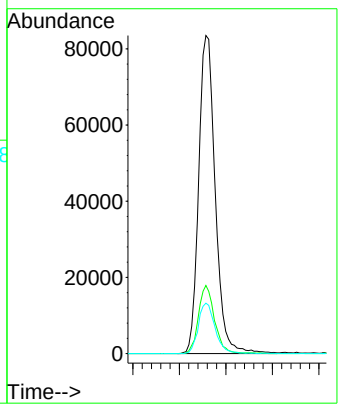


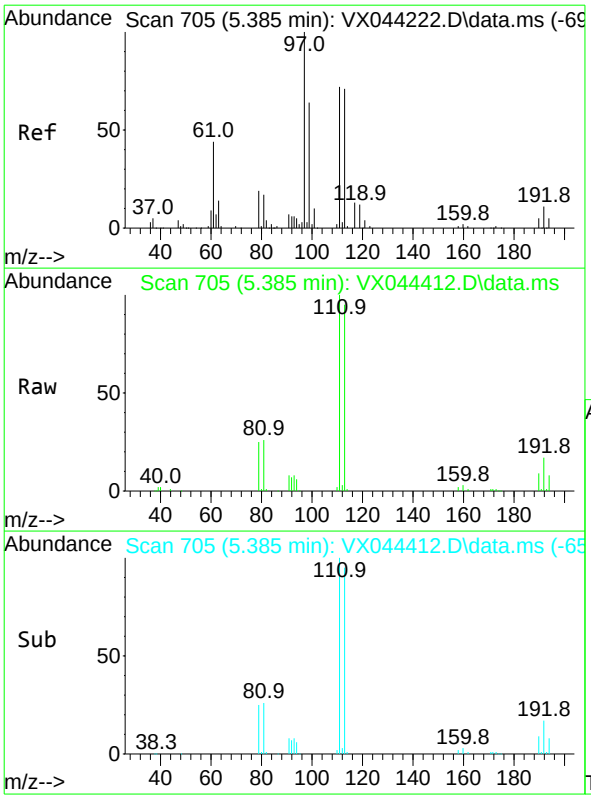




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044412.D
Acq: 19 Dec 2024 04:31

Tgt Ion:114 Resp: 207120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 40.6 |
| 88 | 15.9 | 0.0 | 31.8 |



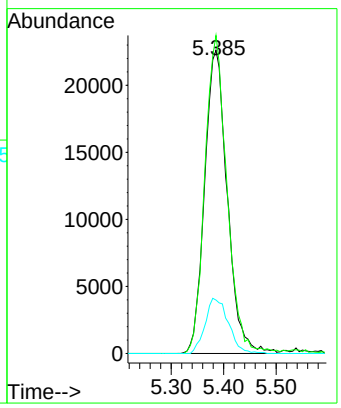


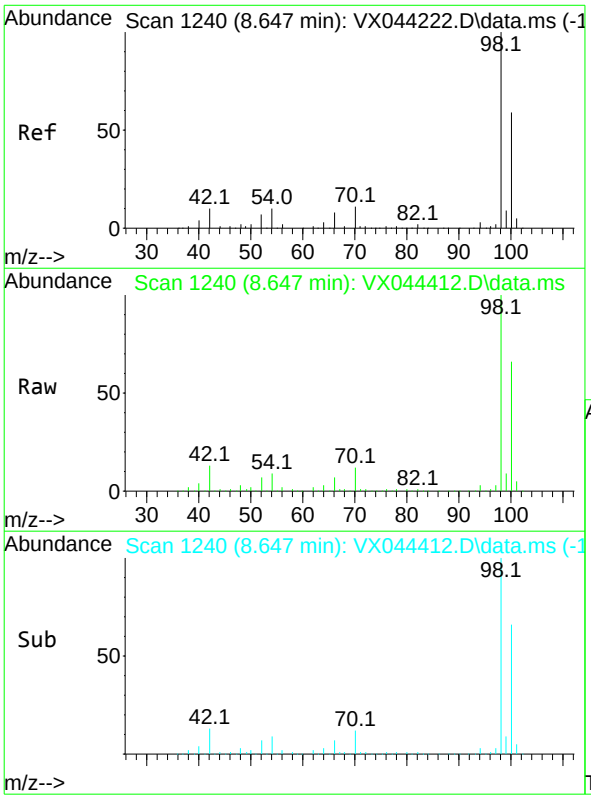

#35
Dibromofluoromethane
Concen: 47.312 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX044412.D
Acq: 19 Dec 2024 04:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D1-20241217

Tgt Ion:113 Resp: 67869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 80.4 | 120.6 |
| 192 | 18.7 | 13.3 | 19.9 |

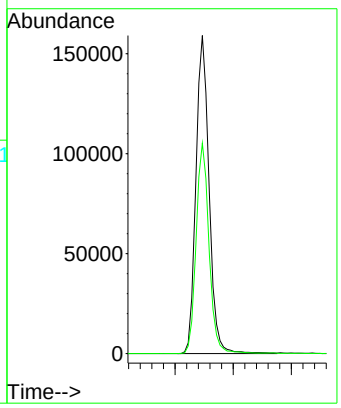


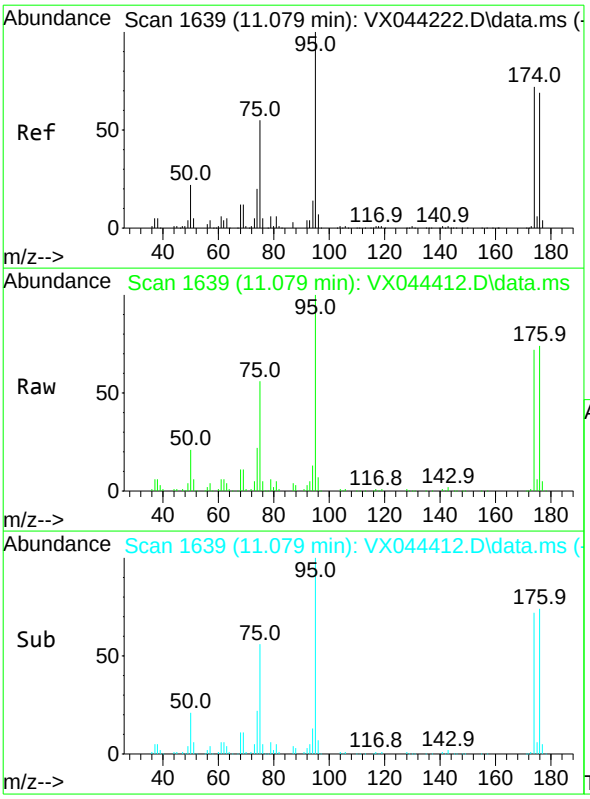




#50
Toluene-d8
Concen: 51.700 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044412.D
Acq: 19 Dec 2024 04:31

Tgt Ion: 98 Resp: 250204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 51.5 | 77.3 |



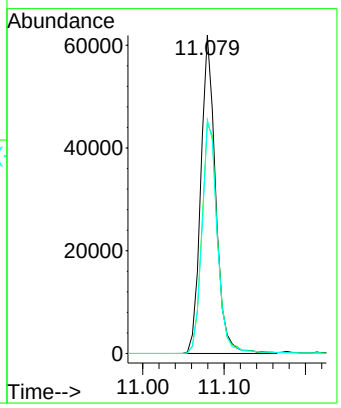


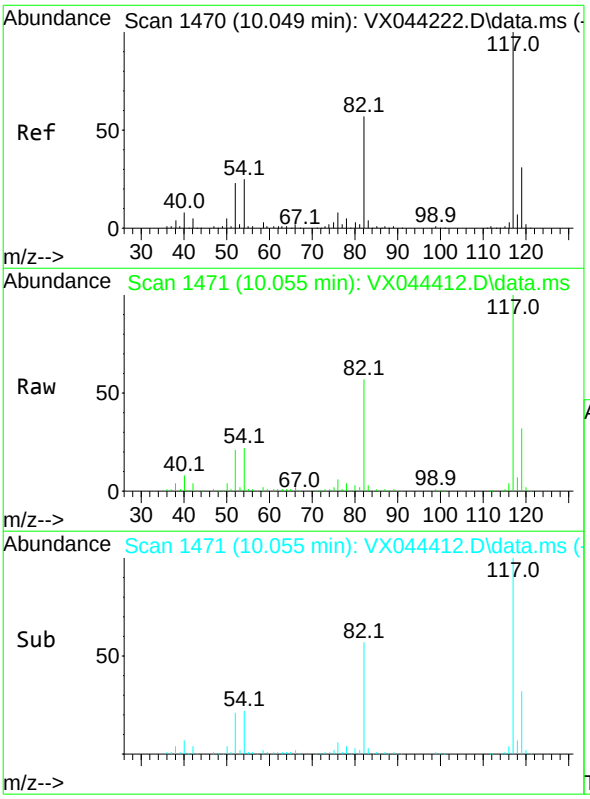

#62
4-Bromofluorobenzene
Concen: 46.318 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044412.D
Acq: 19 Dec 2024 04:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D1-20241217

Tgt Ion: 95 Resp: 78327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.2 | 0.0 | 145.8 |
| 176 | 76.2 | 0.0 | 137.8 |

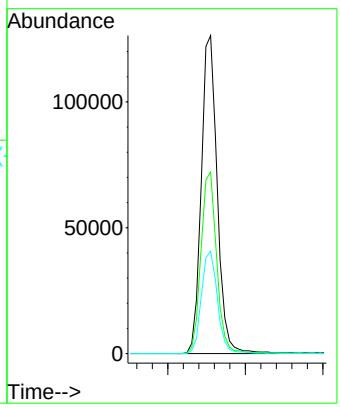


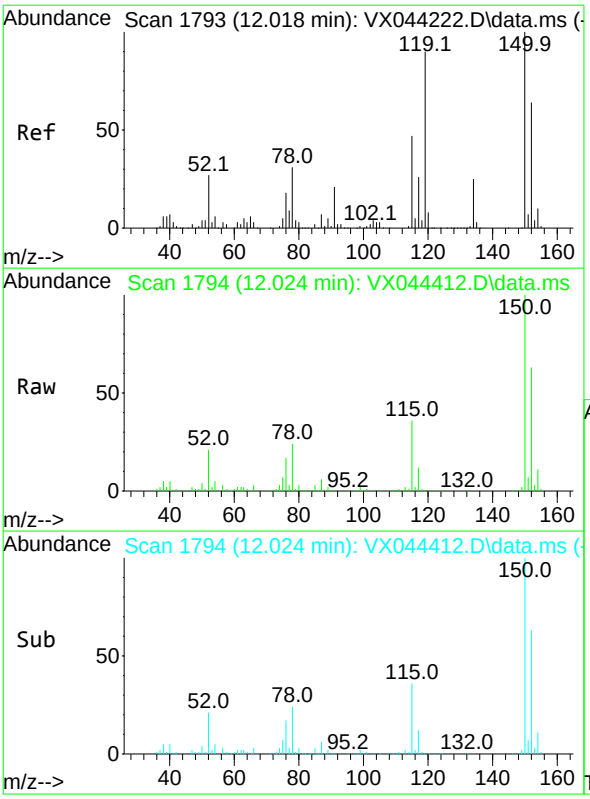




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044412.D
Acq: 19 Dec 2024 04:31

Tgt Ion:117 Resp: 180812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.1 | 45.8 | 68.8 |
| 119 | 32.2 | 25.0 | 37.4 |



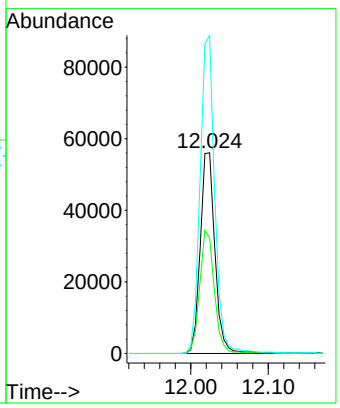



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044412.D
Acq: 19 Dec 2024 04:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D1-20241217

Tgt Ion:152 Resp: 74025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.7 | 44.5 | 133.3 |
| 150 | 157.9 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01D2-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-15 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044413.D | 1 | | 12/19/24 04:54 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01D2-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-15 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044413.D | 1 | | 12/19/24 04:54 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.7 | | 81 - 118 | | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.0 | | 80 - 119 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.0 | | 89 - 112 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.0 | | 85 - 114 | | 90% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 105000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 189000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 165000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 62400 | 12.024 | | | | |

Raw Data: **VX044413.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01D2-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-15 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044413.D | 1 | | 12/19/24 04:54 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044413.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044413.D
Acq On : 19 Dec 2024 04:54
Operator : JC/MD
Sample : P5317-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D2-20241217

Quant Time: Dec 19 06:40:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

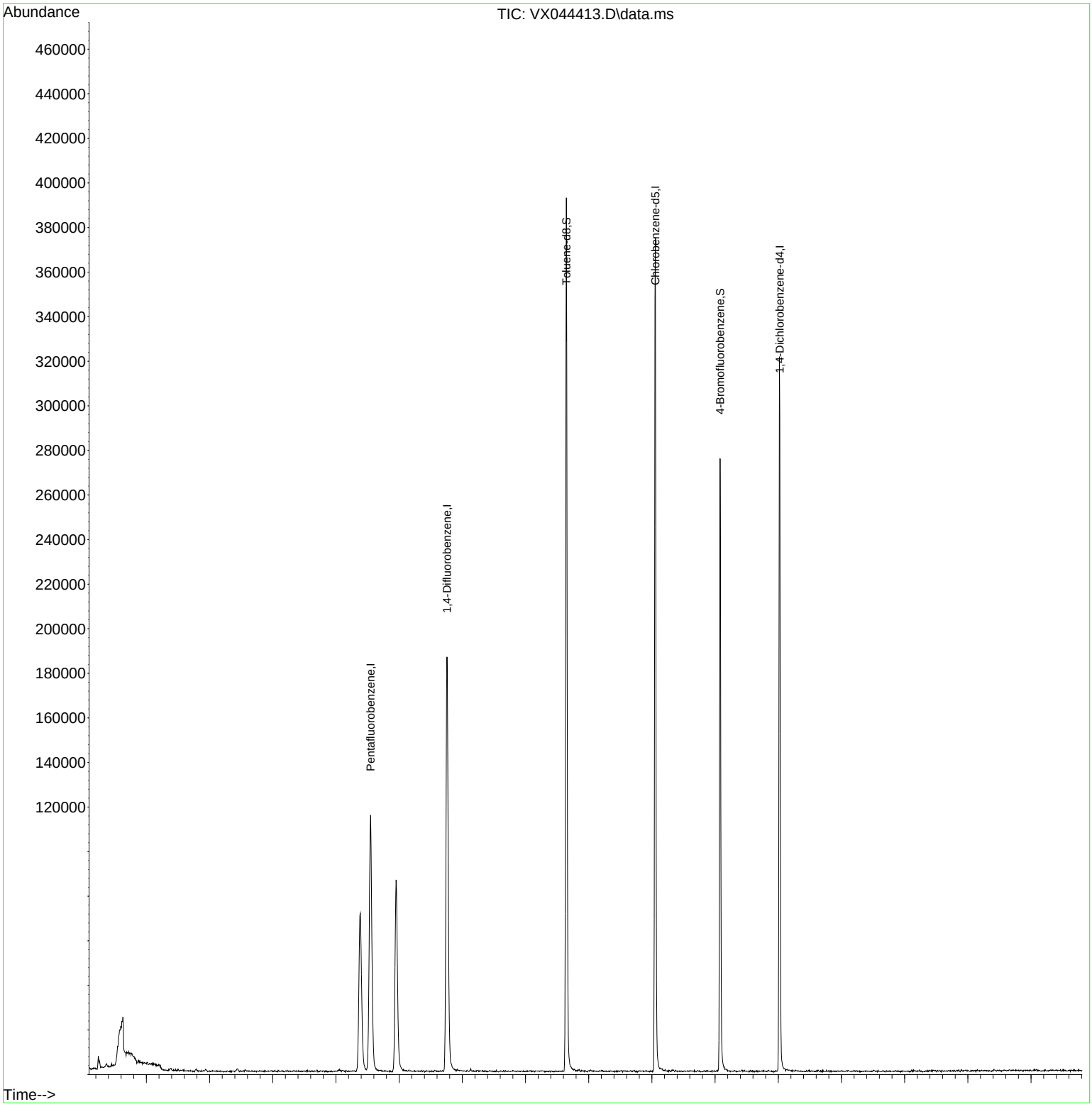
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 104505 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 188770 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 164946 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 62374 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 83816 | 45.743 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.480% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 62790 | 48.026 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.060% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 224956 | 51.001 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.000% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 69342 | 44.991 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 89.980% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.386 | 43 | 941 | 1.260 | ug/l # | 81 |
| 20) Methylene Chloride | 2.794 | 84 | 410 | 0.292 | ug/l # | 51 |

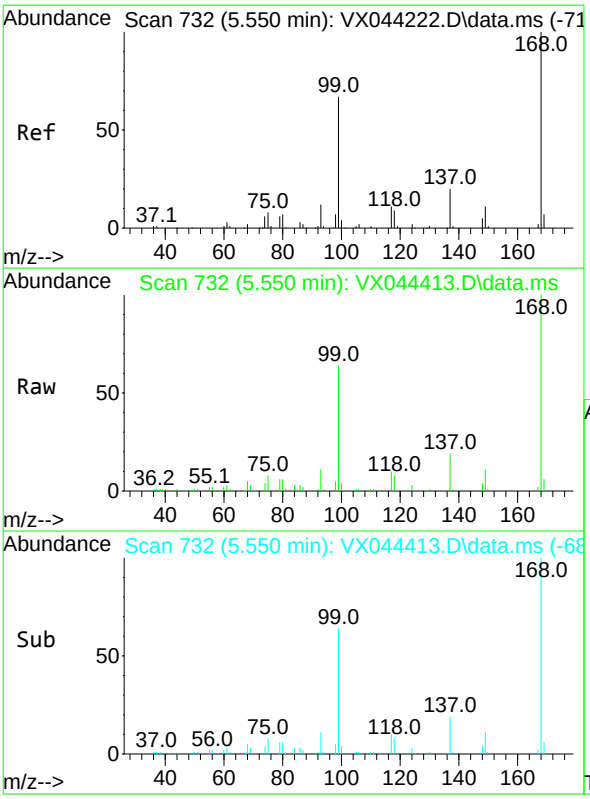
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044413.D
Acq On : 19 Dec 2024 04:54
Operator : JC/MD
Sample : P5317-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D2-20241217

Quant Time: Dec 19 06:40:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



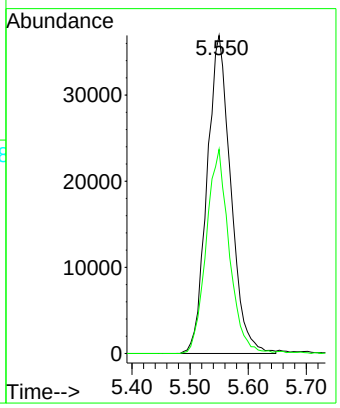


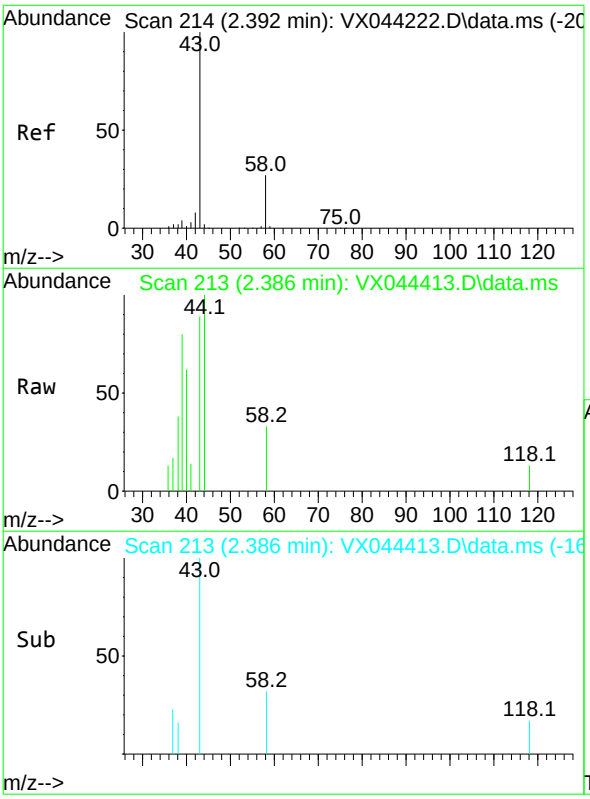

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D2-20241217

Tgt Ion:168 Resp: 104505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.2 | 53.4 | 80.0 |

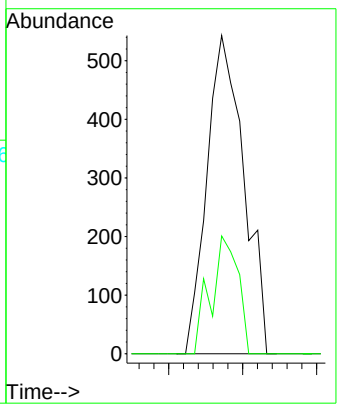


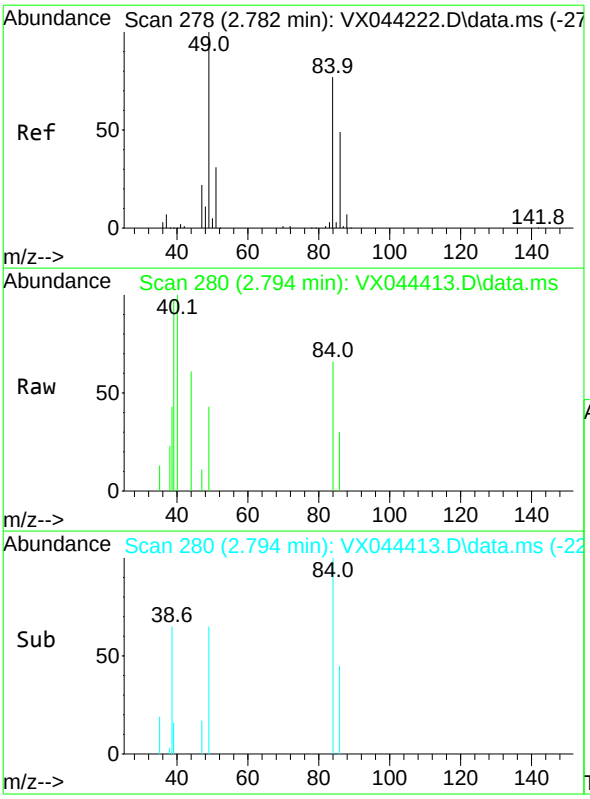




#16
Acetone
Concen: 1.260 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

Tgt Ion: 43 Resp: 941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.0 | 21.6 | 32.4# |



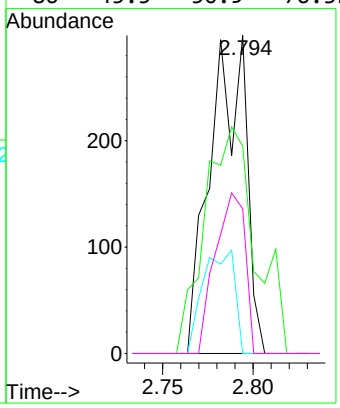


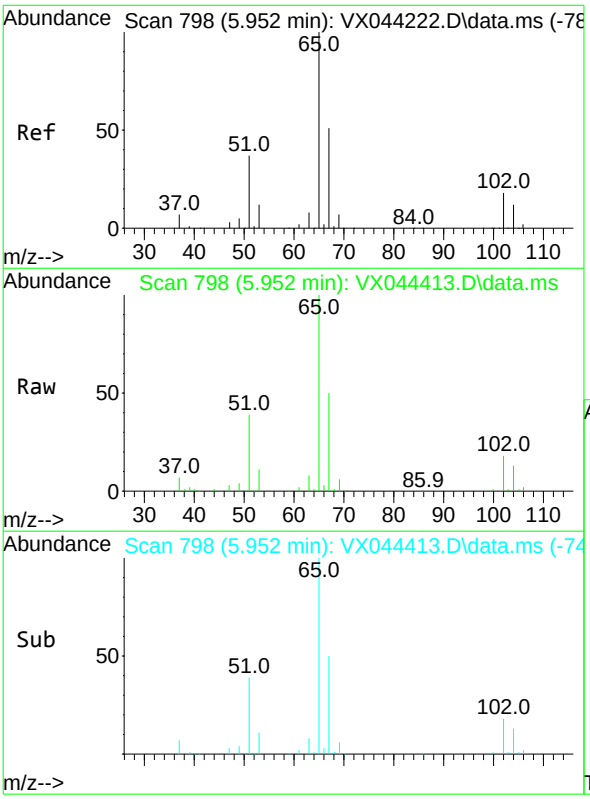

#20
Methylene Chloride
Concen: 0.292 ug/l
RT: 2.794 min Scan# 28
Delta R.T. 0.012 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D2-20241217

Tgt Ion: 84 Resp: 410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 65.2 | 104.2 | 156.4# |
| 51 | 0.0 | 32.2 | 48.4# |
| 86 | 45.5 | 50.9 | 76.3# |

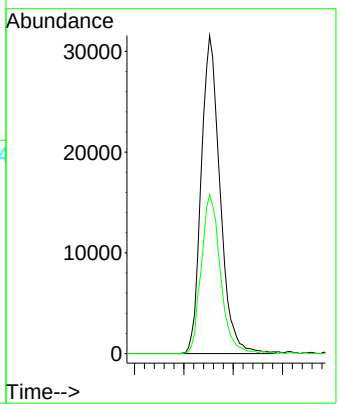


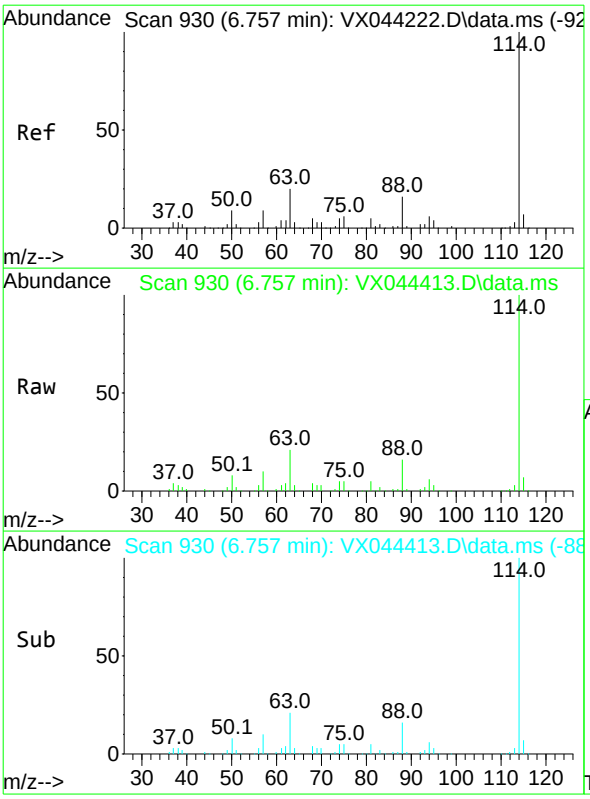




#33
1,2-Dichloroethane-d4
Concen: 45.743 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

Tgt Ion: 65 Resp: 83816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |



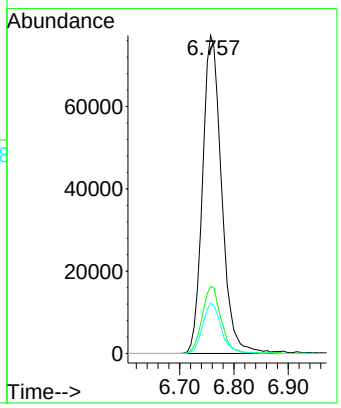


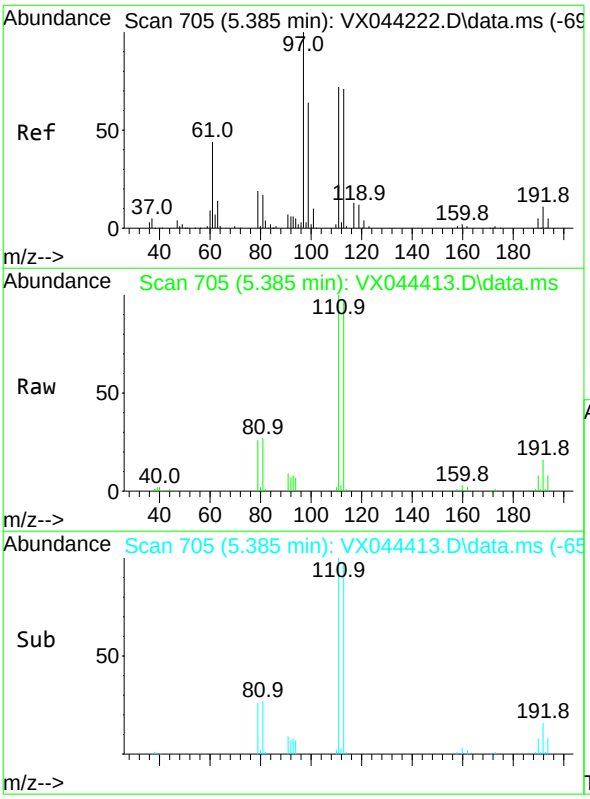

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D2-20241217

Tgt Ion:114 Resp: 188770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 40.6 |
| 88 | 15.8 | 0.0 | 31.8 |

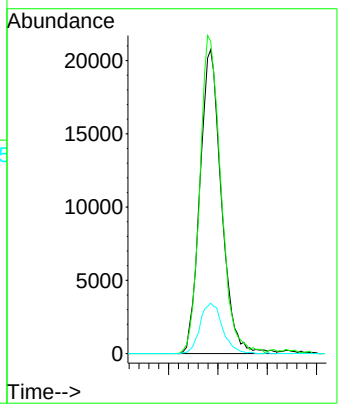


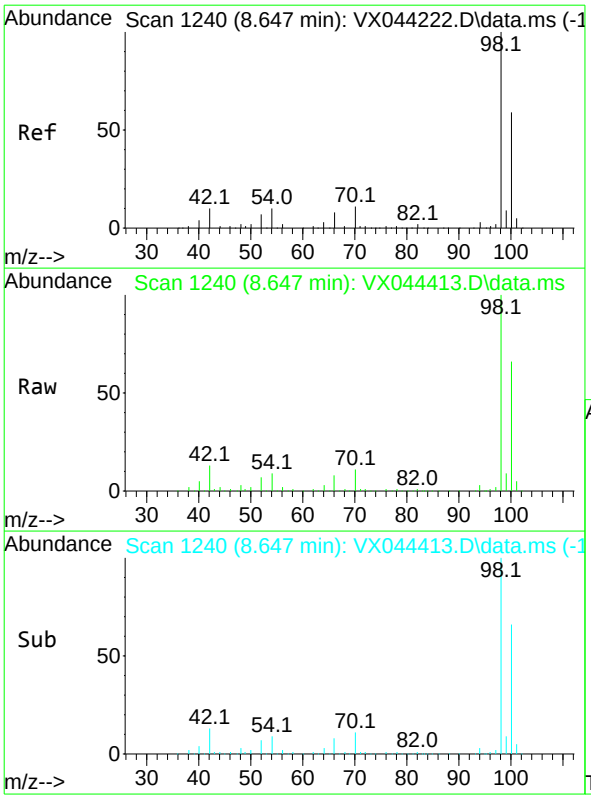




#35
Dibromofluoromethane
Concen: 48.026 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

Tgt Ion:113 Resp: 62790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 80.4 | 120.6 |
| 192 | 17.3 | 13.3 | 19.9 |



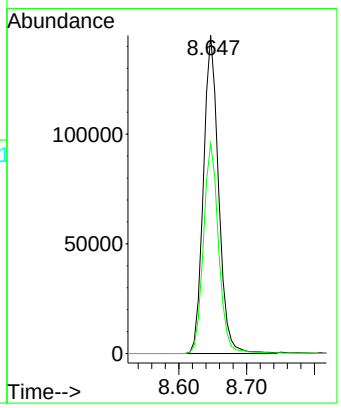


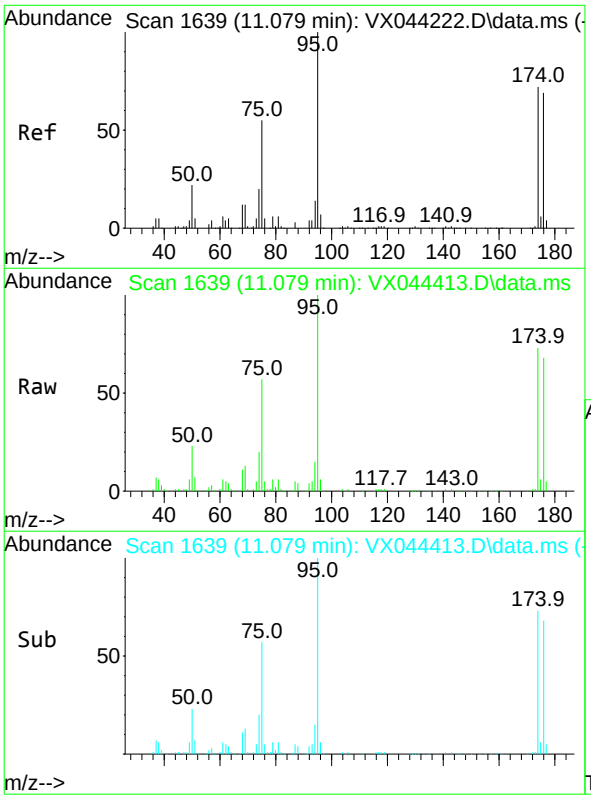

#50
Toluene-d8
Concen: 51.001 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D2-20241217

Tgt Ion: 98 Resp: 224956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 51.5 | 77.3 |

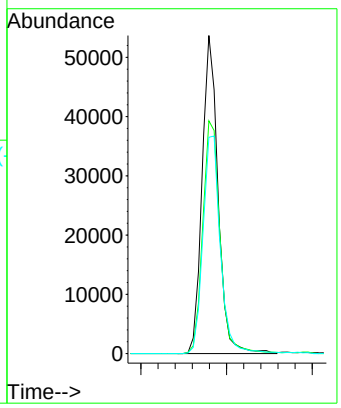


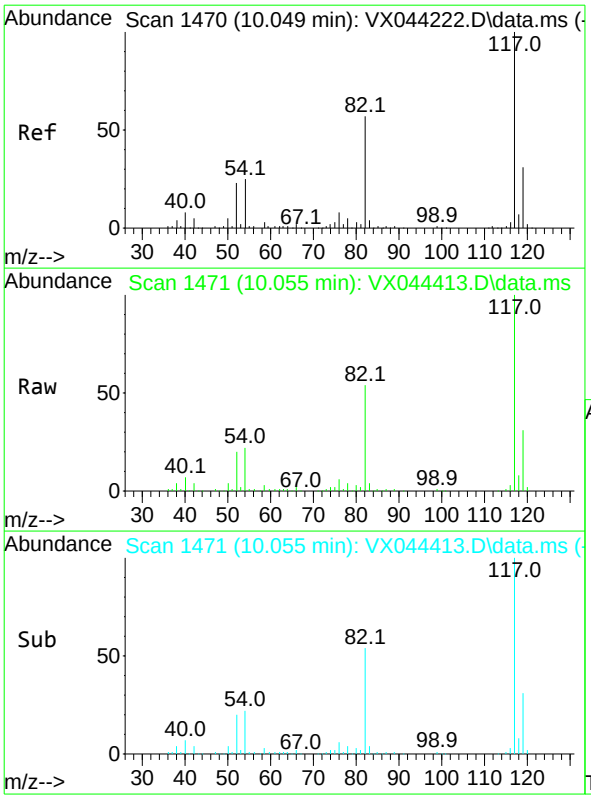




#62
4-Bromofluorobenzene
Concen: 44.991 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

Tgt Ion: 95 Resp: 69342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.9 | 0.0 | 145.8 |
| 176 | 74.5 | 0.0 | 137.8 |



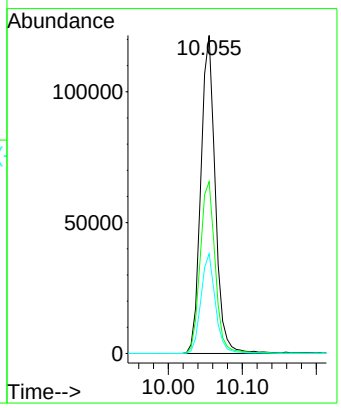


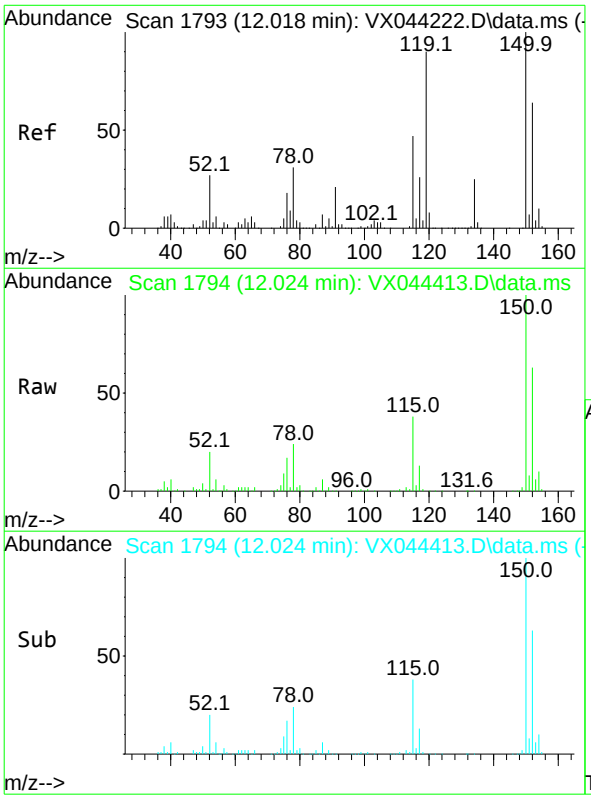

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D2-20241217

Tgt Ion:117 Resp: 164946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.0 | 45.8 | 68.8 |
| 119 | 31.4 | 25.0 | 37.4 |

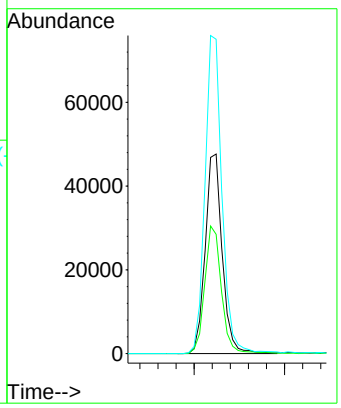



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044413.D
Acq: 19 Dec 2024 04:54

Tgt Ion:152 Resp: 62374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.7 | 44.5 | 133.3 |
| 150 | 159.2 | 0.0 | 353.8 |



Raw Data: **VX044414.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01D3-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-16 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044414.D | 1 | | 12/19/24 05:17 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01D3-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-16 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044414.D | 1 | | 12/19/24 05:17 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.4 | | 81 - 118 | | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.5 | | 80 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.6 | | 89 - 112 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 44.8 | | 85 - 114 | | 90% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 108000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 196000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 171000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 67500 | 12.018 | | | | |

Raw Data: **VX044414.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW9-MW01D3-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-16 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044414.D | 1 | | 12/19/24 05:17 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044414.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044414.D
Acq On : 19 Dec 2024 05:17
Operator : JC/MD
Sample : P5317-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D3-20241217

Quant Time: Dec 19 06:41:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 107842 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 195942 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 171336 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 67520 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 85895 | 45.427 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 90.860% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 64519 | 47.543 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.080% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 236421 | 51.638 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.280% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 71611 | 44.762 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 89.520% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.380 | 43 | 826 | 1.072 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 433 | 0.299 | ug/l # | 76 |

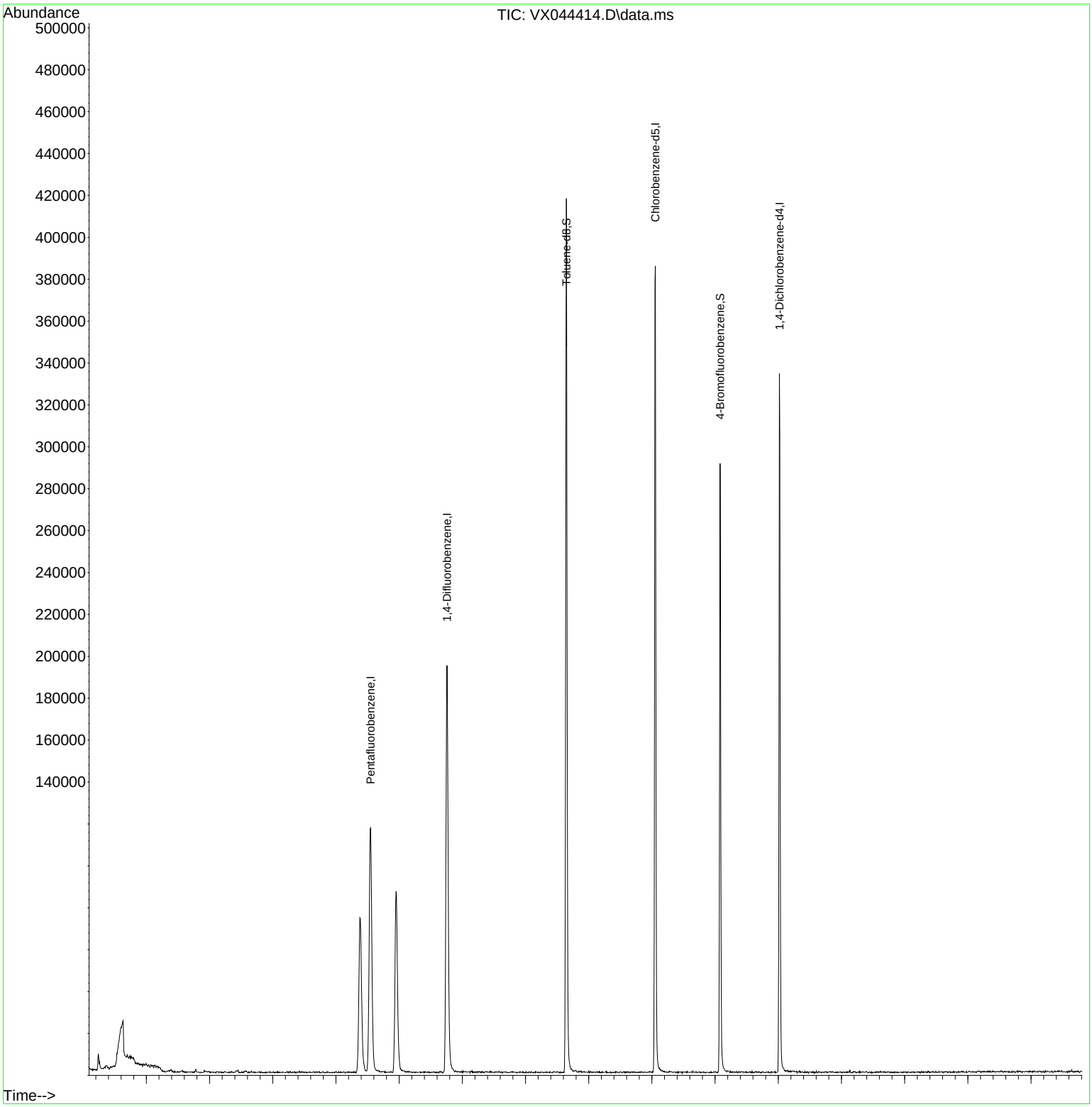
(#) = qualifier out of range (m) = manual integration (+) = signals summed

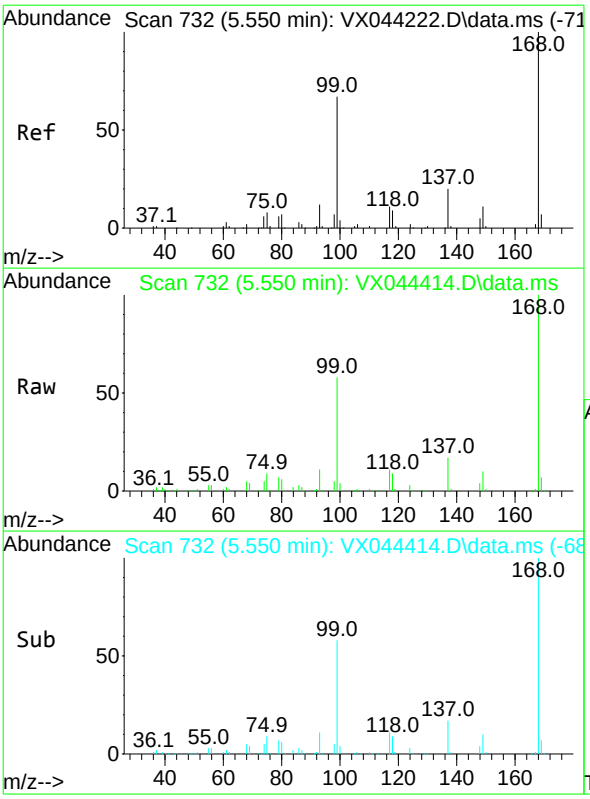
Sample Results: **VX044414.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044414.D
Acq On : 19 Dec 2024 05:17
Operator : JC/MD
Sample : P5317-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D3-20241217

Quant Time: Dec 19 06:41:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



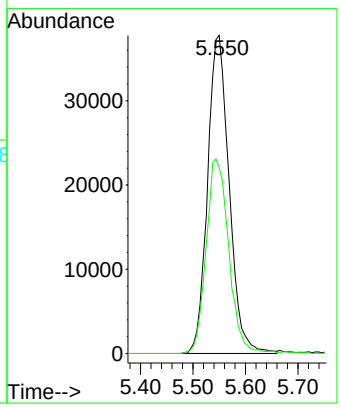


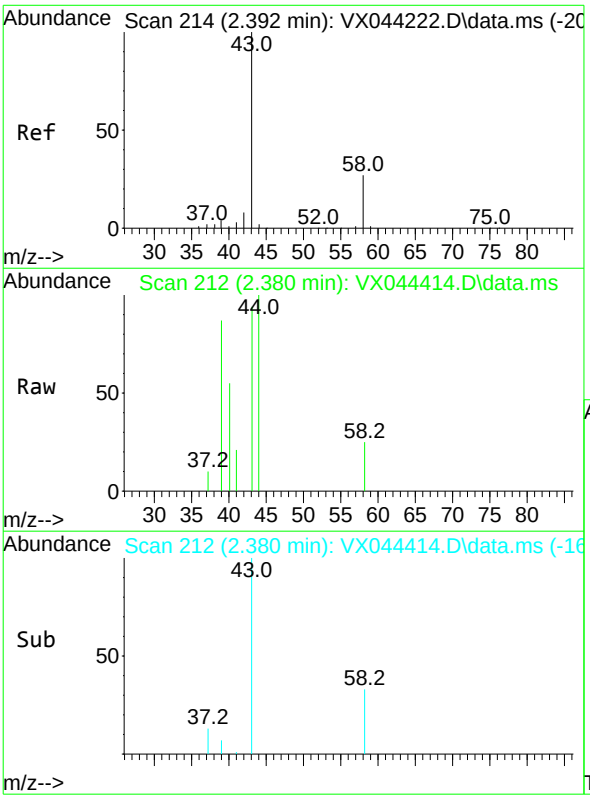

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D3-20241217

Tgt Ion:168 Resp: 107842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.4 | 53.4 | 80.0 |

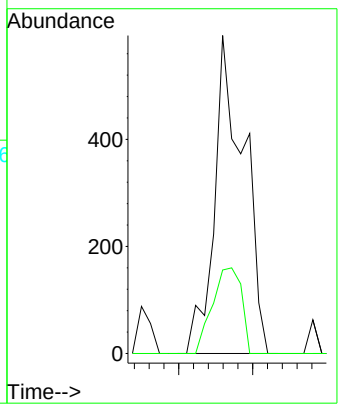


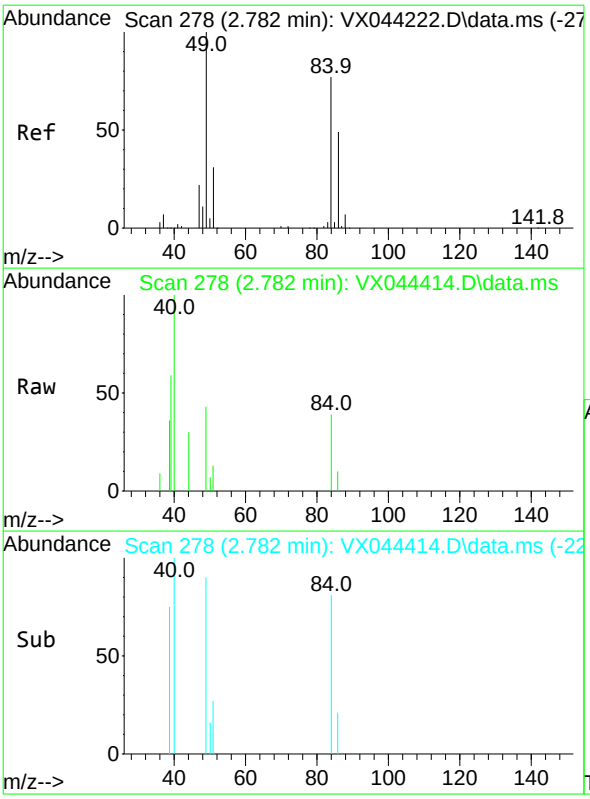




#16
Acetone
Concen: 1.072 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

Tgt Ion: 43 Resp: 826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.3 | 21.6 | 32.4 |



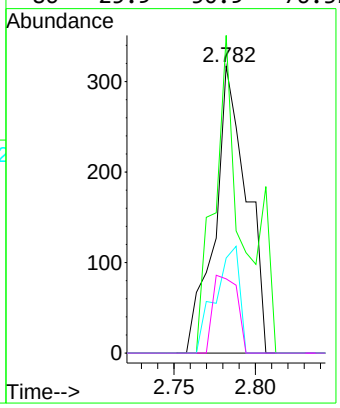


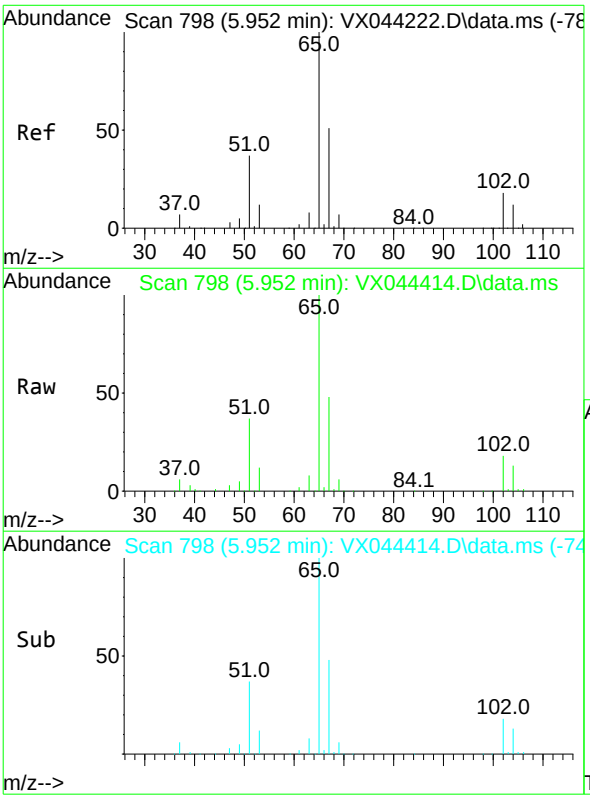

#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.000 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D3-20241217

Tgt Ion: 84 Resp: 433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 110.7 | 104.2 | 156.4 |
| 51 | 33.1 | 32.2 | 48.4 |
| 86 | 25.9 | 50.9 | 76.3# |

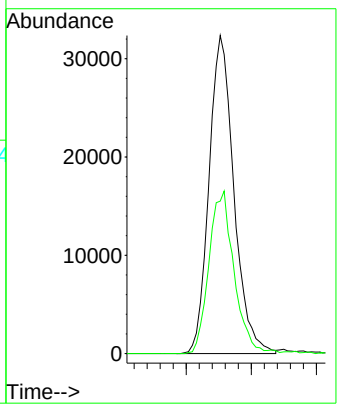


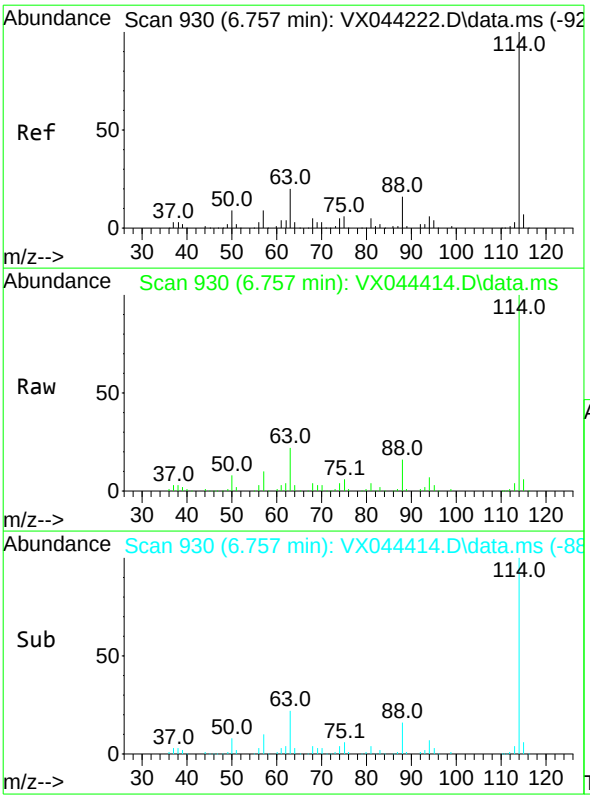




#33
1,2-Dichloroethane-d4
Concen: 45.427 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

Tgt Ion: 65 Resp: 85895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 101.6 |



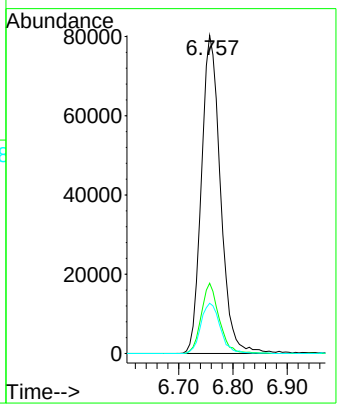


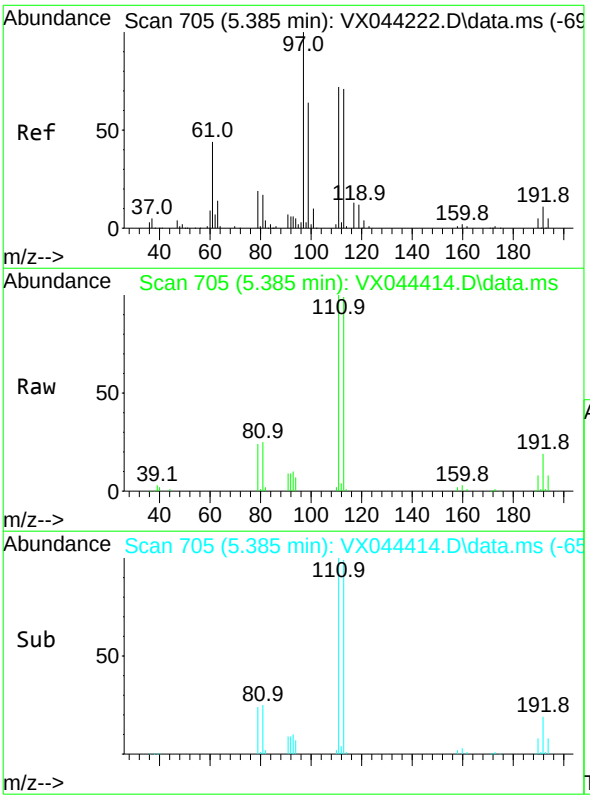

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D3-20241217

Tgt Ion:114 Resp: 195942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 40.6 |
| 88 | 15.8 | 0.0 | 31.8 |

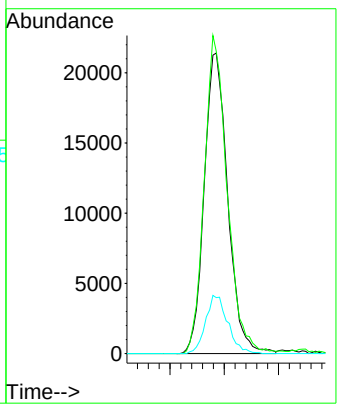


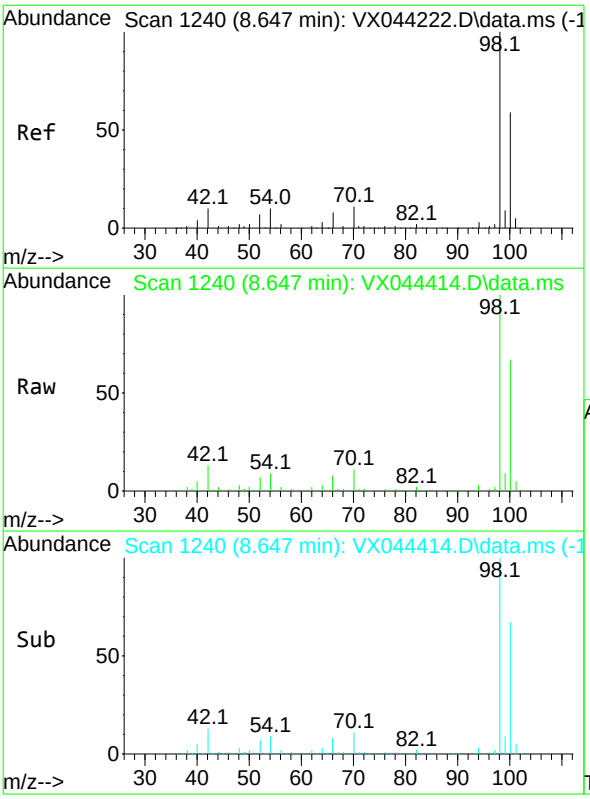




#35
Dibromofluoromethane
Concen: 47.543 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

Tgt Ion:113 Resp: 64519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 80.4 | 120.6 |
| 192 | 18.2 | 13.3 | 19.9 |



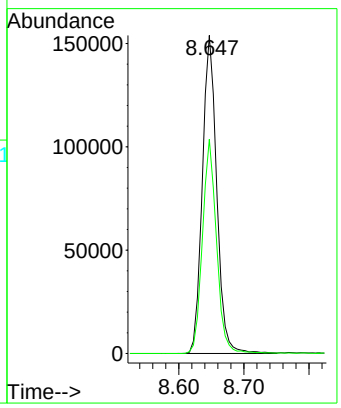


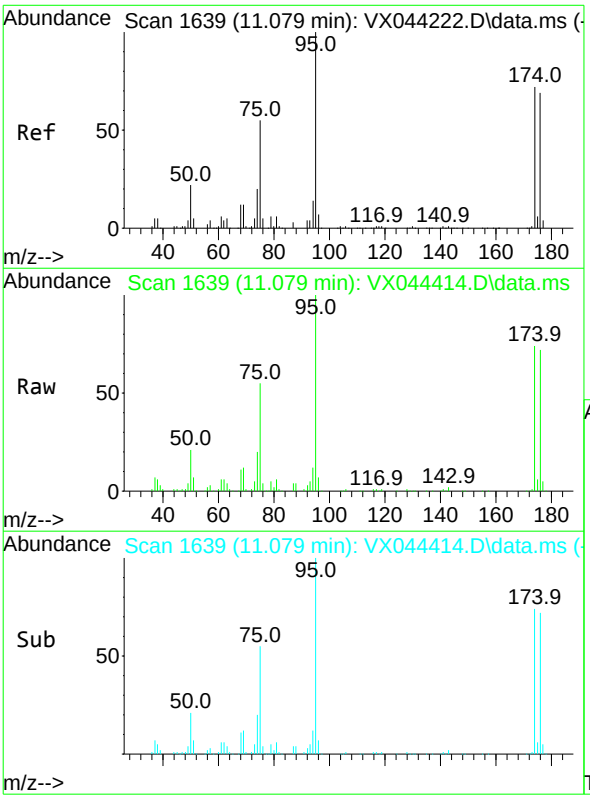

#50
Toluene-d8
Concen: 51.638 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D3-20241217

Tgt Ion: 98 Resp: 236421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.9 | 51.5 | 77.3 |

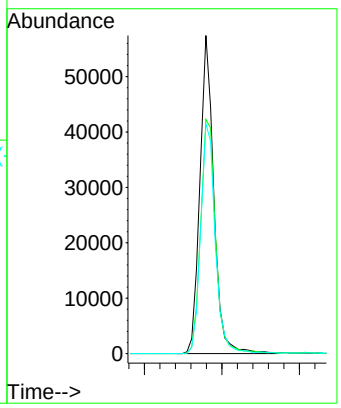


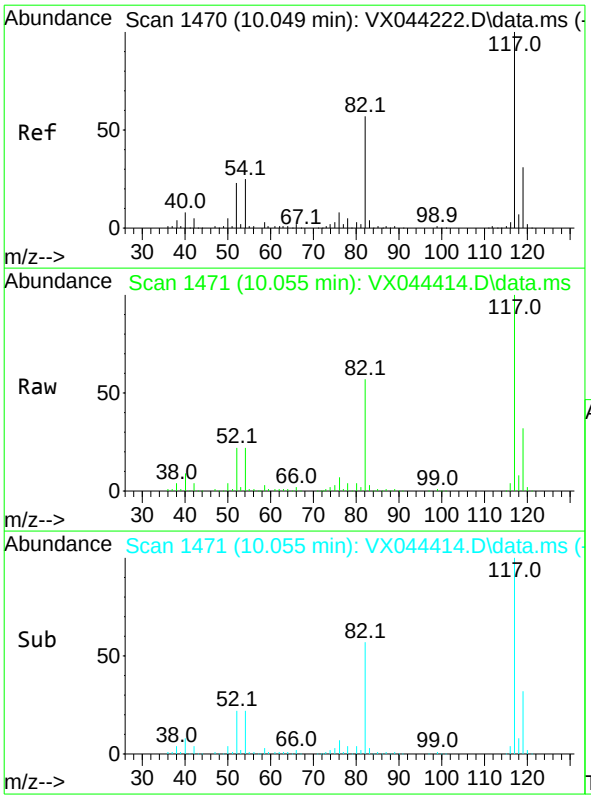




#62
4-Bromofluorobenzene
Concen: 44.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

Tgt Ion: 95 Resp: 71611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.7 | 0.0 | 145.8 |
| 176 | 75.5 | 0.0 | 137.8 |



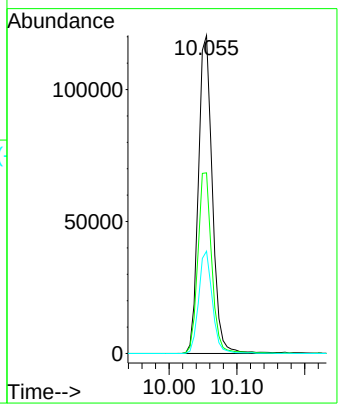


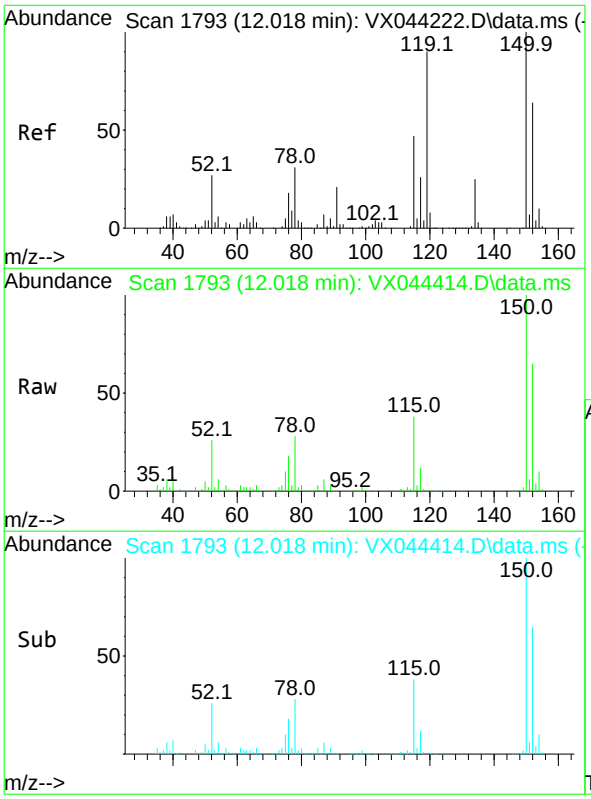

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW9-MW01D3-20241217

Tgt Ion:117 Resp: 171336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.8 | 45.8 | 68.8 |
| 119 | 32.2 | 25.0 | 37.4 |

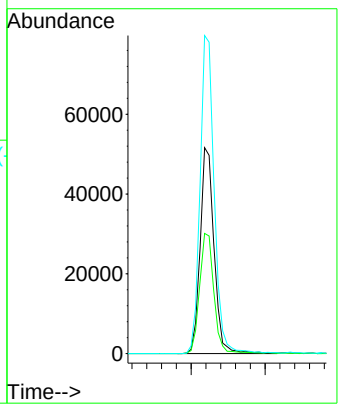



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044414.D
Acq: 19 Dec 2024 05:17

Tgt Ion:152 Resp: 67520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.2 | 44.5 | 133.3 |
| 150 | 157.1 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | DUP-06-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-17 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044489.D | 1 | | 12/23/24 18:40 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044489.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | DUP-06-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-17 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044489.D | 1 | | 12/23/24 18:40 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.3 | | 81 - 118 | | 89% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.2 | | 80 - 119 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 54.4 | | 89 - 112 | | 109% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.2 | | 85 - 114 | | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 129000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 227000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 197000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 84900 | 12.018 | | | | |

Raw Data: **VX044489.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | DUP-06-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-17 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044489.D | 1 | | 12/23/24 18:40 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044489.D
Acq On : 23 Dec 2024 18:40
Operator : JC/MD
Sample : P5317-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-06-20241217

Quant Time: Dec 23 22:15:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 128956 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 226548 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 197304 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 84907 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 100266 | 44.345 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 88.700% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 78804 | 50.224 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.440% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 287703 | 54.350 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 108.700% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92913 | 50.232 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.460% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.386 | 43 | 823 | 0.893 | ug/l | 91 |
| 29) Tetrahydrofuran | 5.032 | 42 | 749 | 0.890 | ug/l # | 79 |

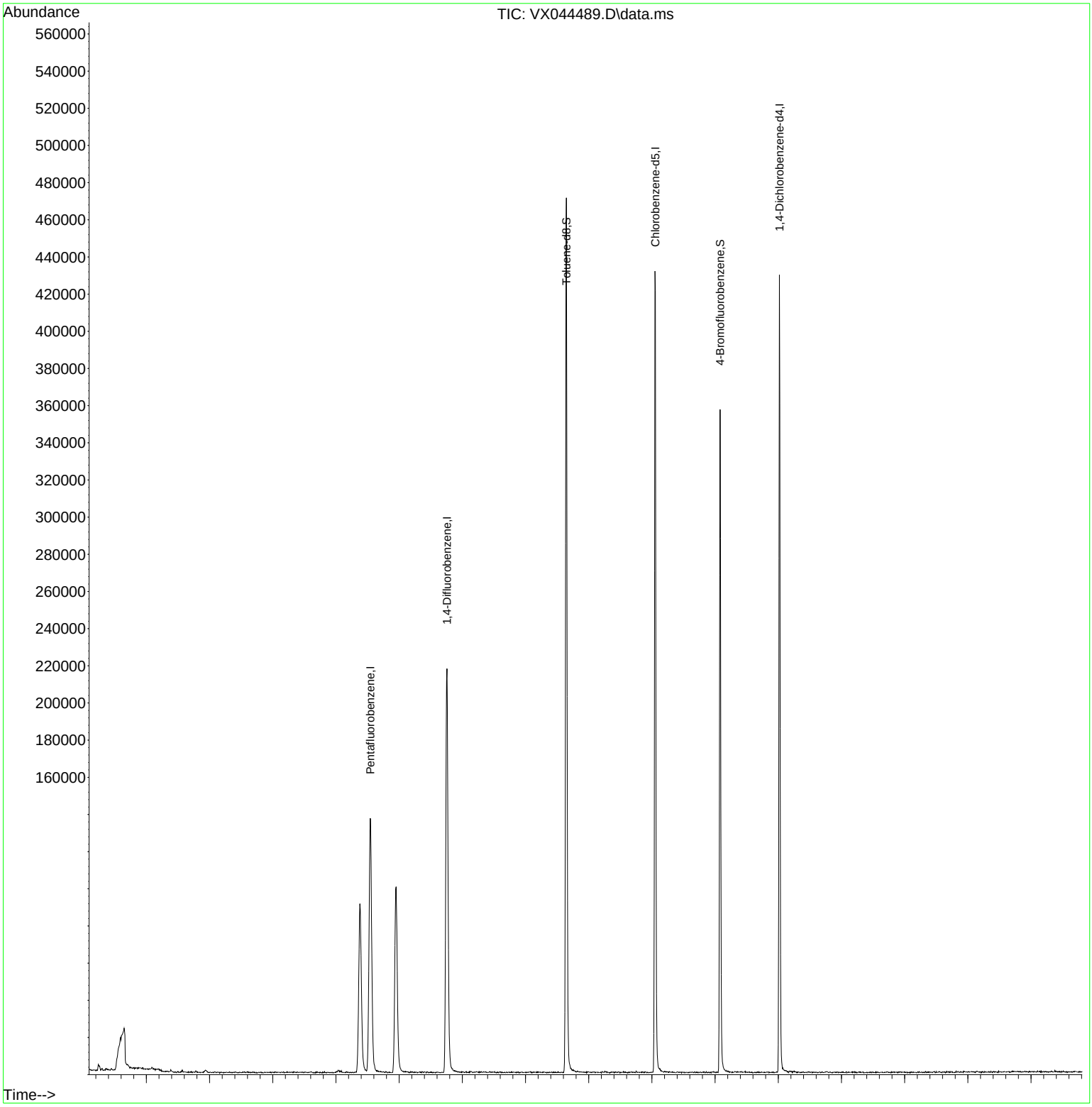
(#) = qualifier out of range (m) = manual integration (+) = signals summed

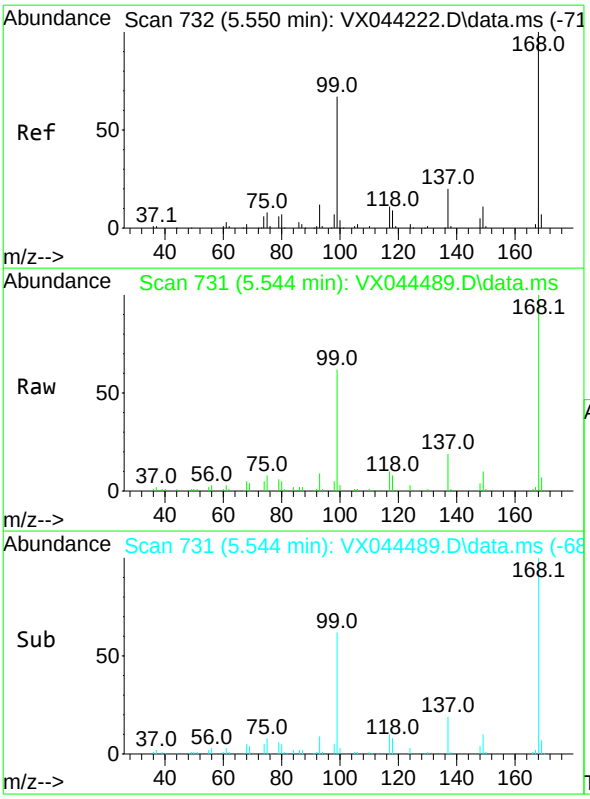
Sample Results: **VX044489.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044489.D
Acq On : 23 Dec 2024 18:40
Operator : JC/MD
Sample : P5317-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-06-20241217

Quant Time: Dec 23 22:15:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



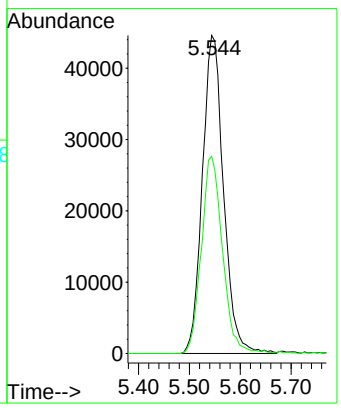


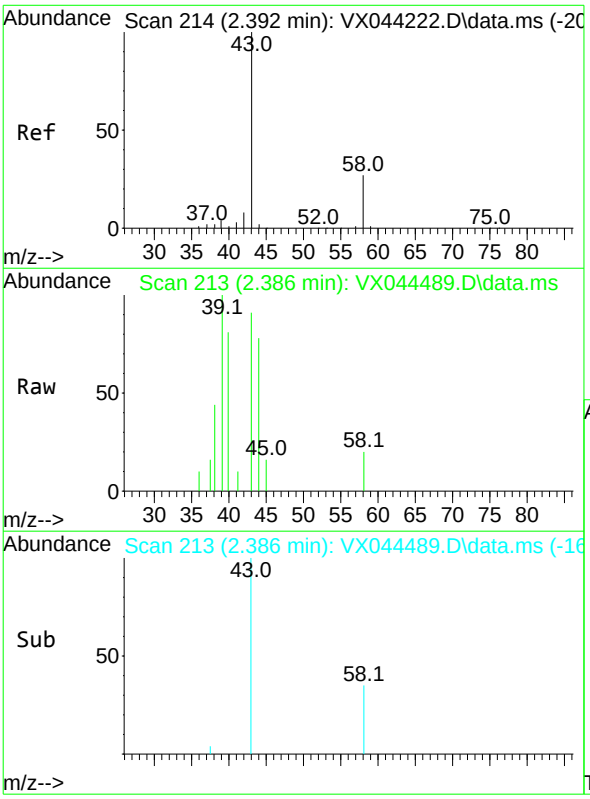

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-06-20241217

Tgt Ion:168 Resp: 128956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.0 | 53.4 | 80.0 |

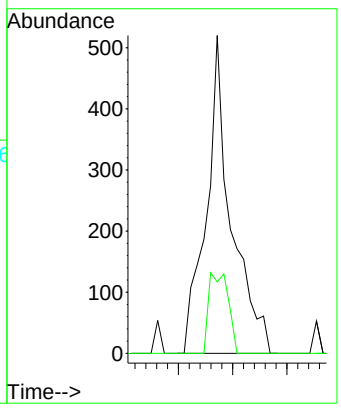


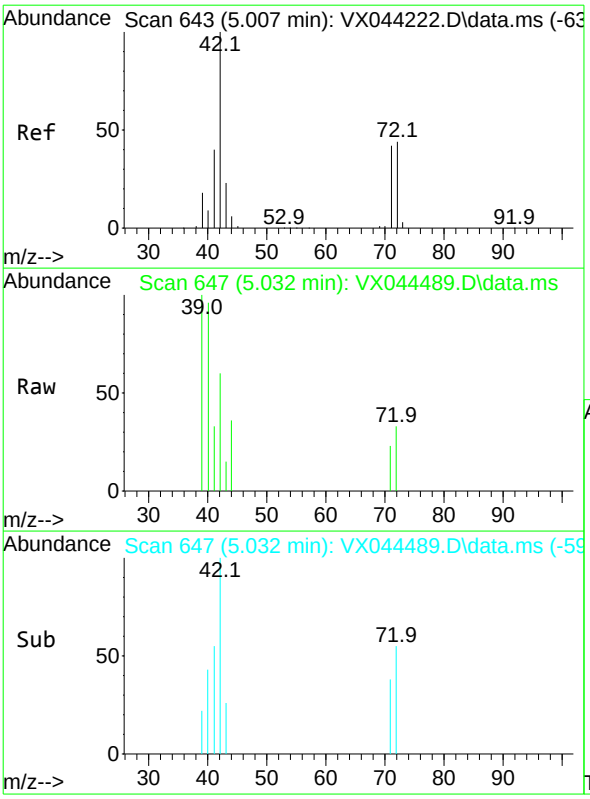




#16
Acetone
Concen: 0.893 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

Tgt Ion: 43 Resp: 823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.5 | 21.6 | 32.4 |



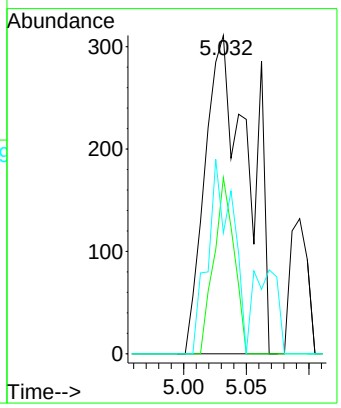


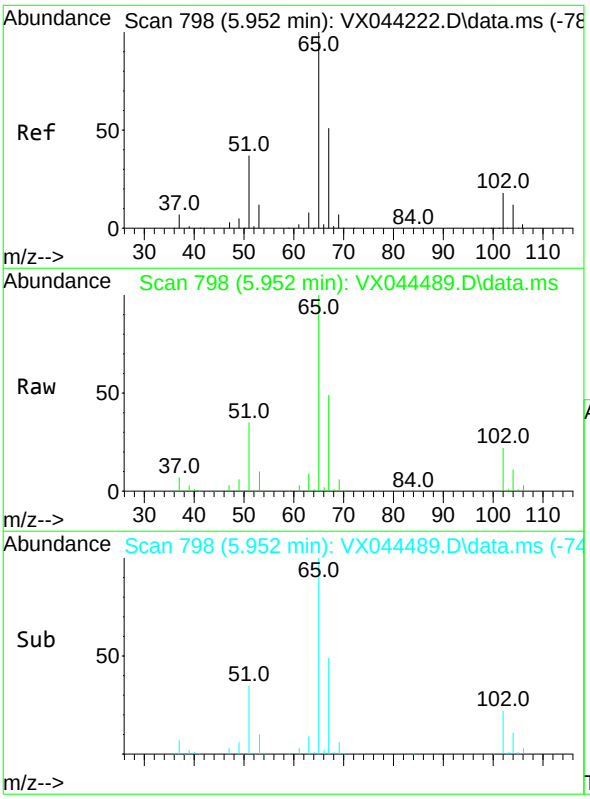

#29
Tetrahydrofuran
Concen: 0.890 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-06-20241217

Tgt Ion: 42 Resp: 749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 25.6 | 37.0 | 55.6# |
| 71 | 35.4 | 33.6 | 50.4 |

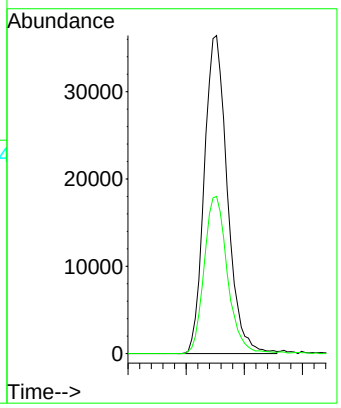


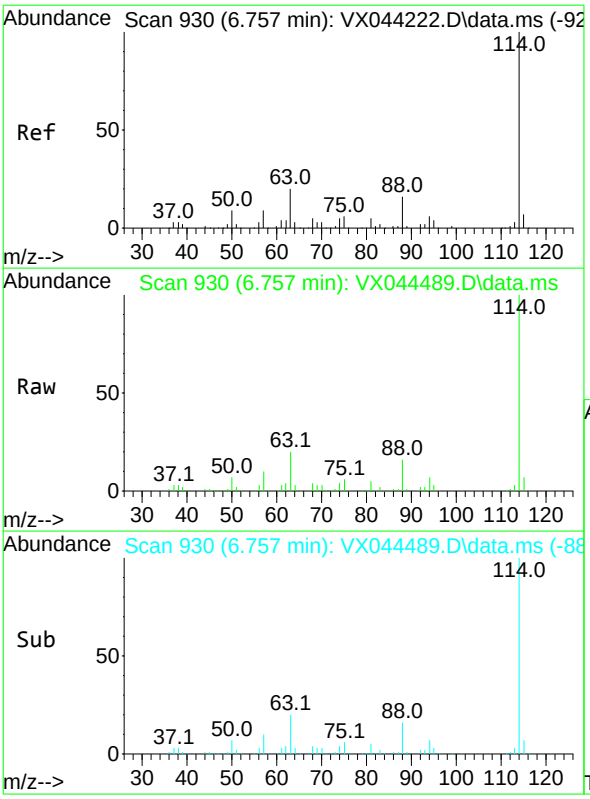




#33
1,2-Dichloroethane-d4
Concen: 44.345 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

Tgt Ion: 65 Resp: 100266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 101.6 |



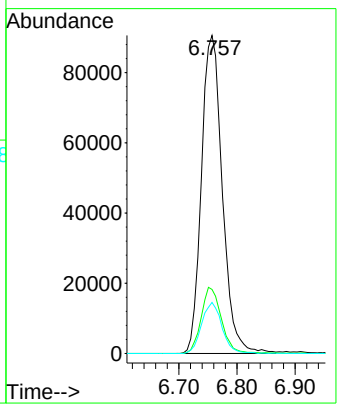


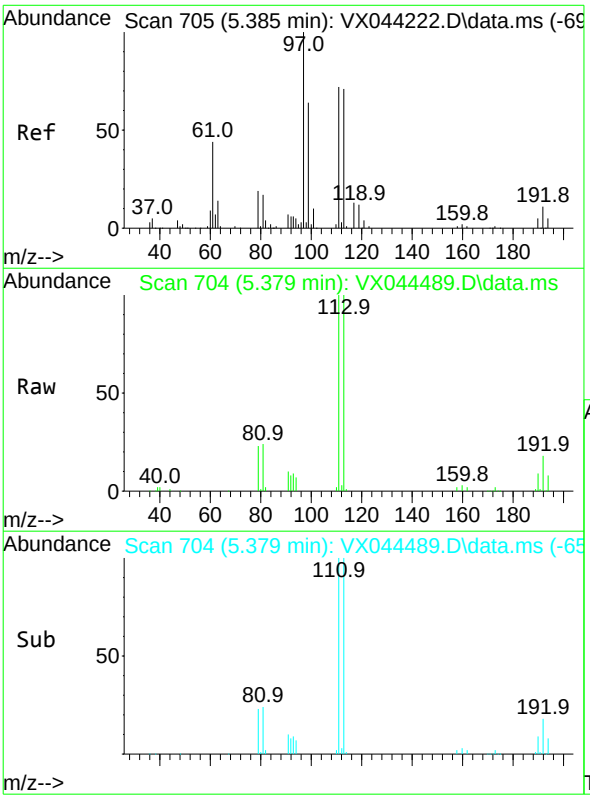

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-06-20241217

Tgt Ion:114 Resp: 226548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.1 | 0.0 | 40.6 |
| 88 | 16.0 | 0.0 | 31.8 |

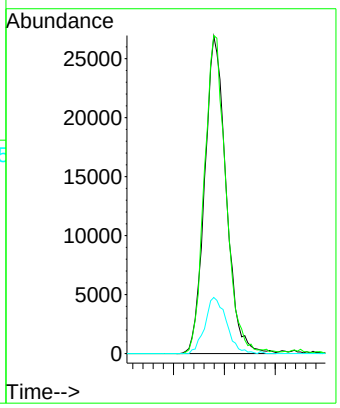


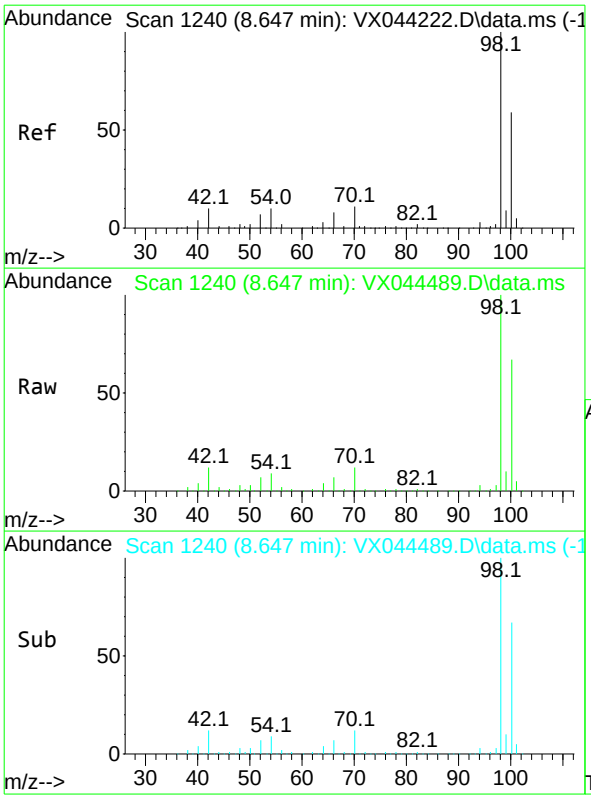




#35
Dibromofluoromethane
Concen: 50.224 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

Tgt Ion:113 Resp: 78804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.8 | 80.4 | 120.6 |
| 192 | 17.8 | 13.3 | 19.9 |



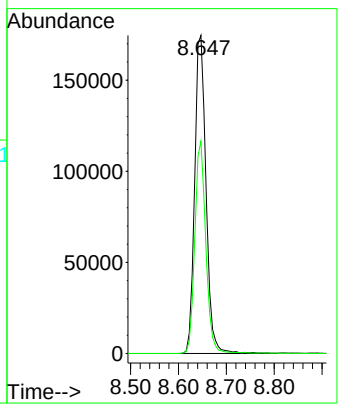


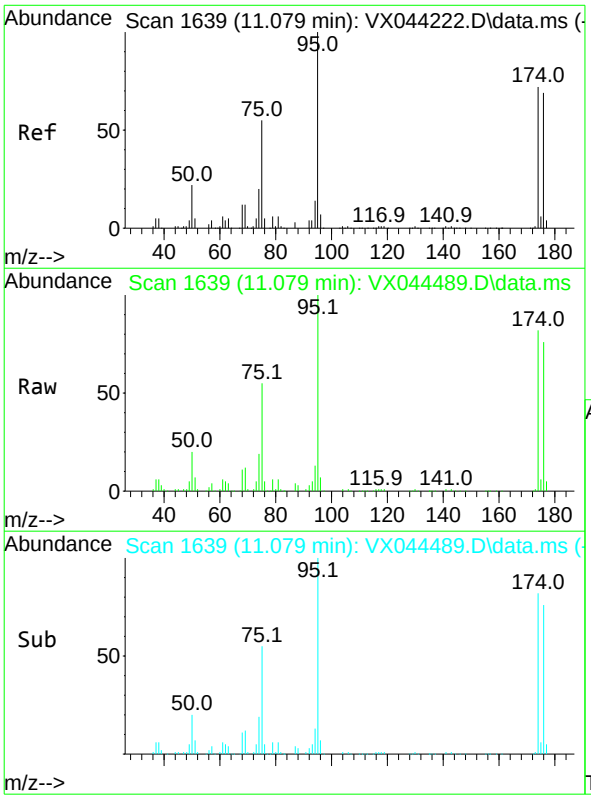

#50
Toluene-d8
Concen: 54.350 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-06-20241217

Tgt Ion: 98 Resp: 287703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 51.5 | 77.3 |

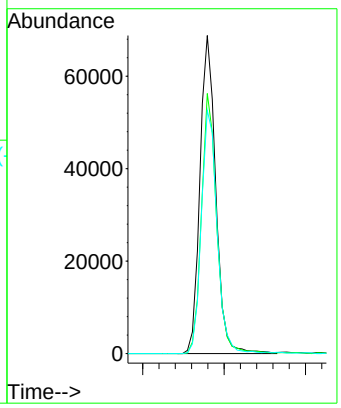


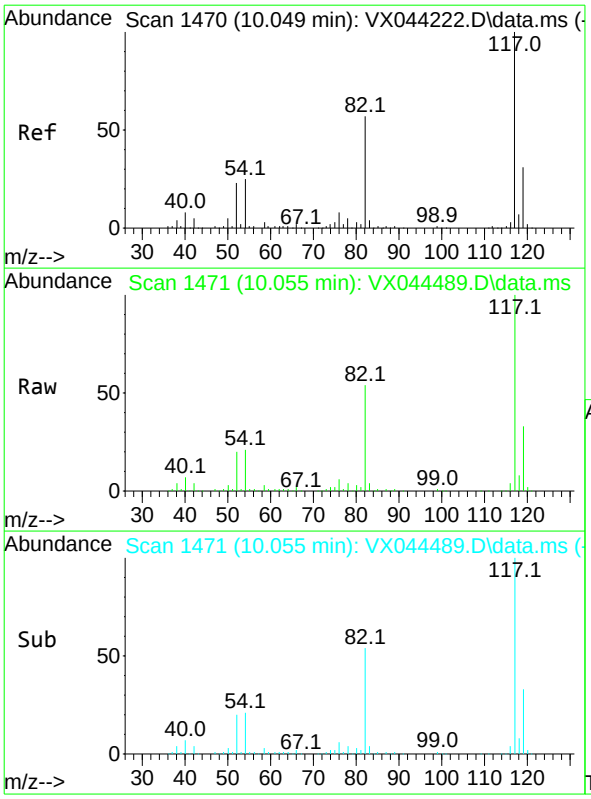




#62
4-Bromofluorobenzene
Concen: 50.232 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

Tgt Ion: 95 Resp: 92913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.4 | 0.0 | 145.8 |
| 176 | 75.9 | 0.0 | 137.8 |



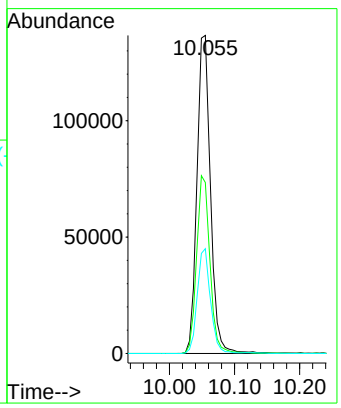


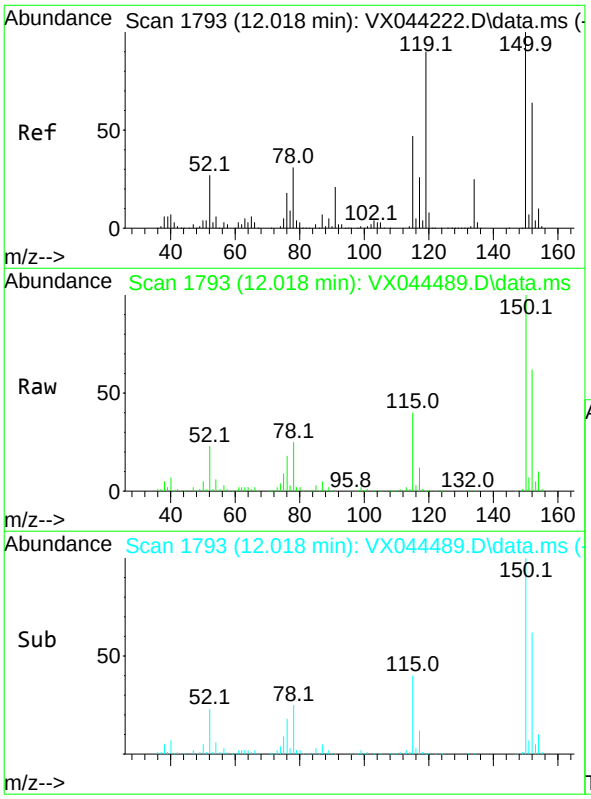

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-06-20241217

Tgt Ion:117 Resp: 197304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.8 | 45.8 | 68.8 |
| 119 | 33.0 | 25.0 | 37.4 |

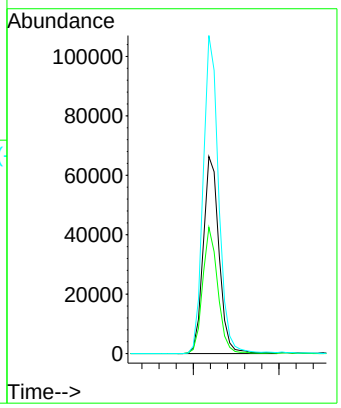



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044489.D
Acq: 23 Dec 2024 18:40

Tgt Ion:152 Resp: 84907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.3 | 44.5 | 133.3 |
| 150 | 158.0 | 0.0 | 353.8 |



Raw Data: **VX044416.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-18 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044416.D | 1 | | 12/19/24 06:04 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.20 | | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.70 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 9.40 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 2.60 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.40 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.60 | | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 1.20 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 150 | E | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-18 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044416.D | 1 | | 12/19/24 06:04 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.45 | J | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.4 | | 81 - 118 | | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.4 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.1 | | 89 - 112 | | 104% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.4 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 104000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 189000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 171000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 71900 | 12.018 | | | | |

Raw Data: **VX044416.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-18 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044416.D | 1 | | 12/19/24 06:04 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044416.D
Acq On : 19 Dec 2024 06:04
Operator : JC/MD
Sample : P5317-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Quant Time: Dec 19 07:13:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 104497 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 189474 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 170677 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 71901 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 83114 | 45.364 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 90.720% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 63538 | 48.418 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.840% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 230583 | 52.083 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 104.160% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 74919 | 48.429 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.860% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 1947 | 1.205 | ug/l | 97 |
| 3) Chloromethane | 1.294 | 50 | 1079 | 0.698 | ug/l # | 86 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 11944 | 9.366 | ug/l | 95 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 3099 | 2.646 | ug/l # | 69 |
| 16) Acetone | 2.392 | 43 | 1052 | 1.408 | ug/l # | 43 |
| 20) Methylene Chloride | 2.794 | 84 | 368 | 0.262 | ug/l # | 59 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 2460 | 1.556 | ug/l | 86 |
| 30) Chloroform | 5.099 | 83 | 3176 | 1.154 | ug/l | 96 |
| 44) Trichloroethene | 7.123 | 130 | 196003 | 152.610 | ug/l | 95 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 580 | 0.451 | ug/l # | 88 |

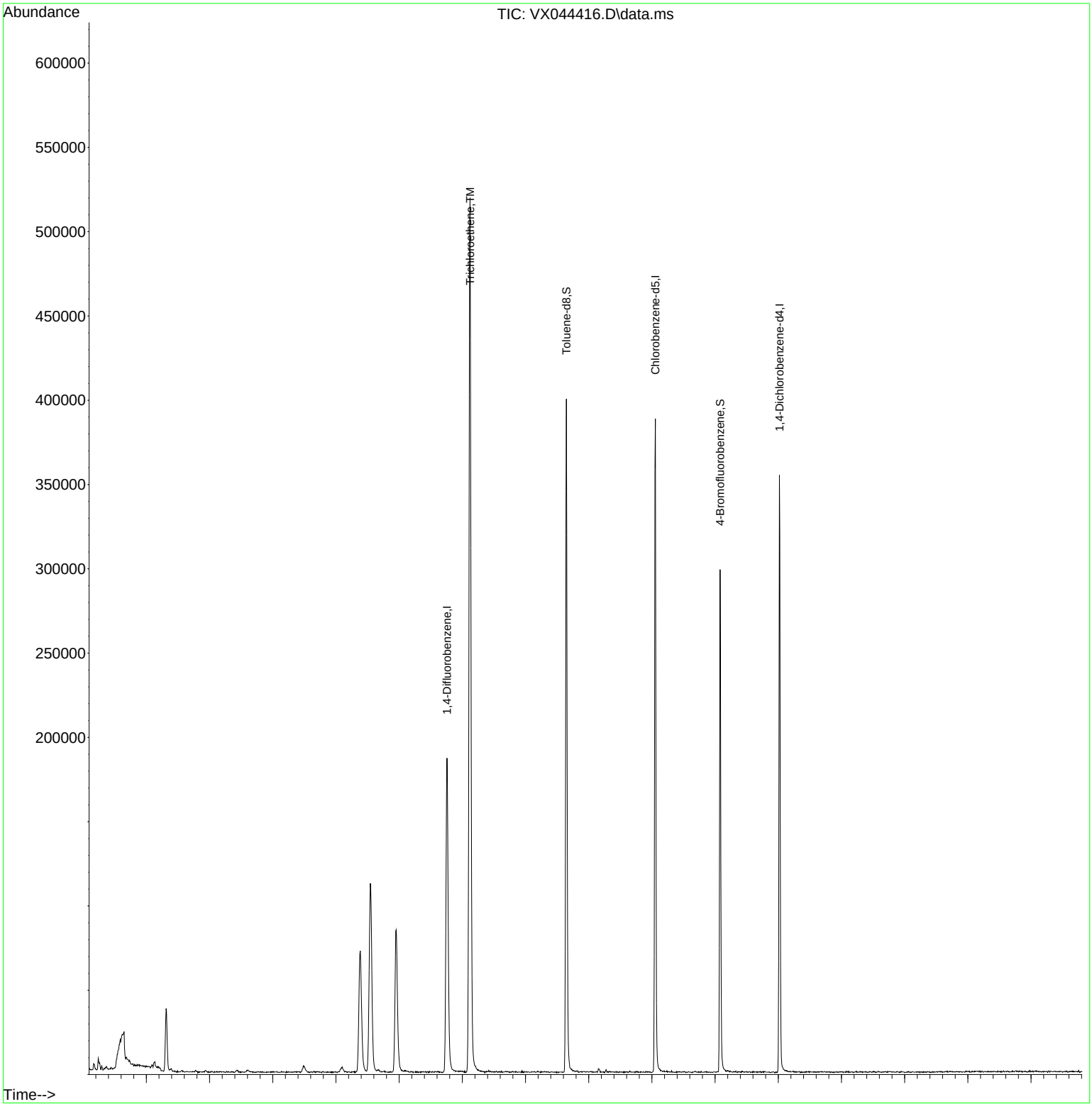
(#) = qualifier out of range (m) = manual integration (+) = signals summed

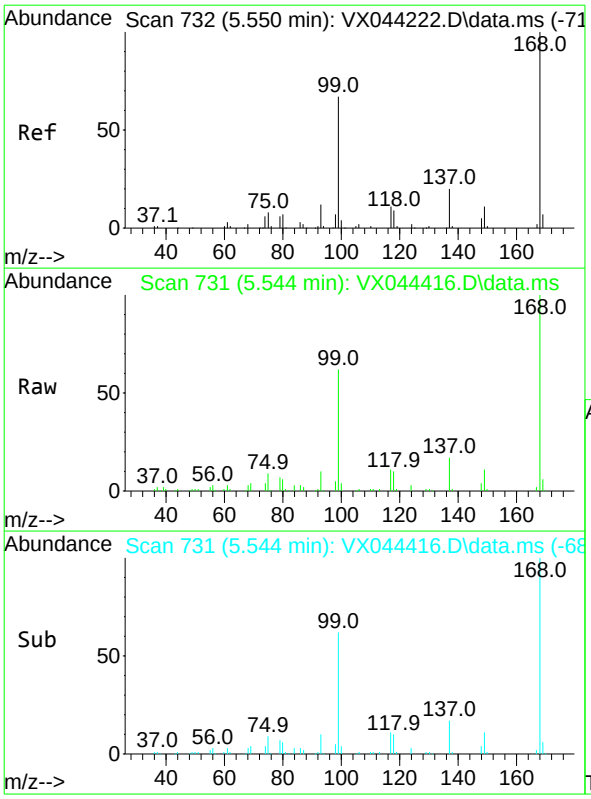
Sample Results: **VX044416.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044416.D
Acq On : 19 Dec 2024 06:04
Operator : JC/MD
Sample : P5317-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Quant Time: Dec 19 07:13:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



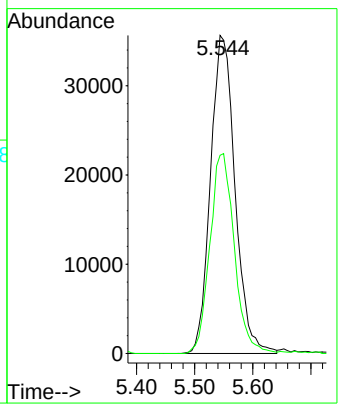


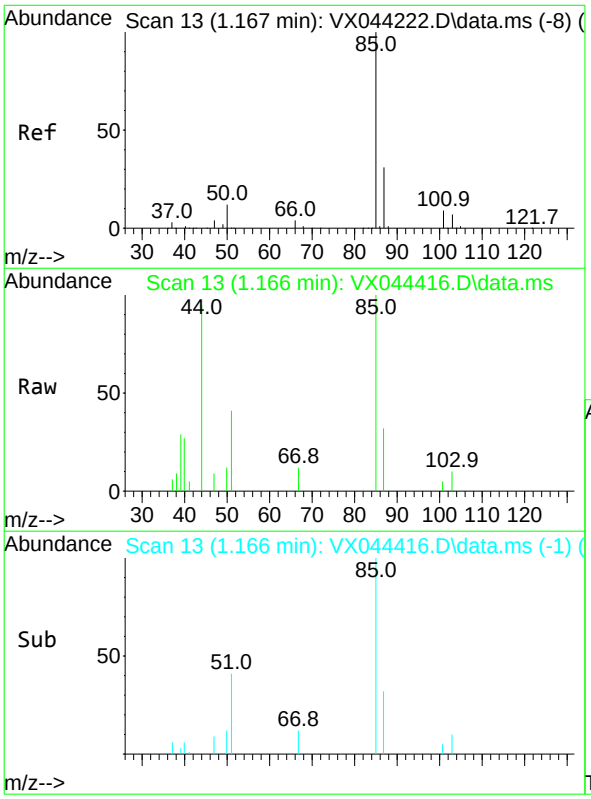

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Tgt Ion:168 Resp: 104497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.3 | 53.4 | 80.0 |

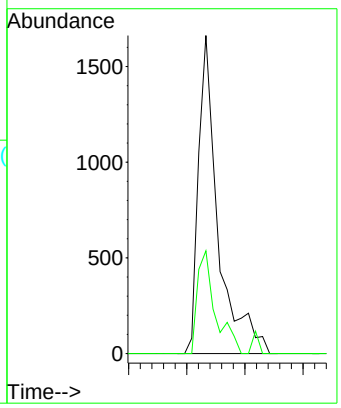


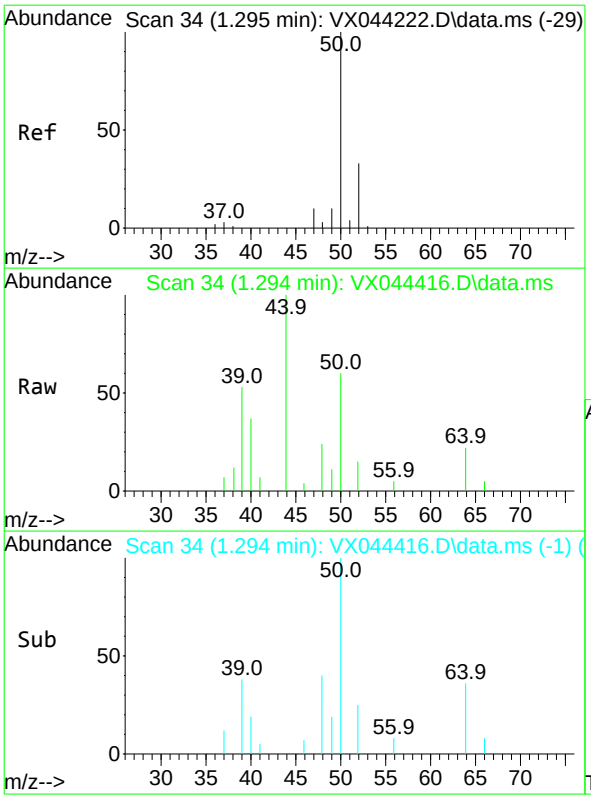




#2
Dichlorodifluoromethane
Concen: 1.205 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Tgt Ion: 85 Resp: 1947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 15.4 | 46.4 |



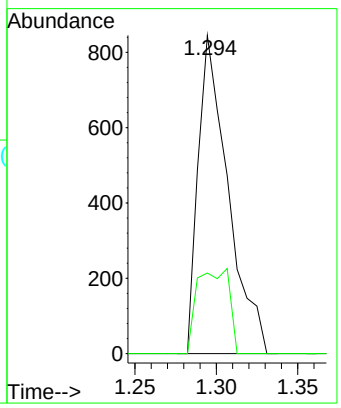


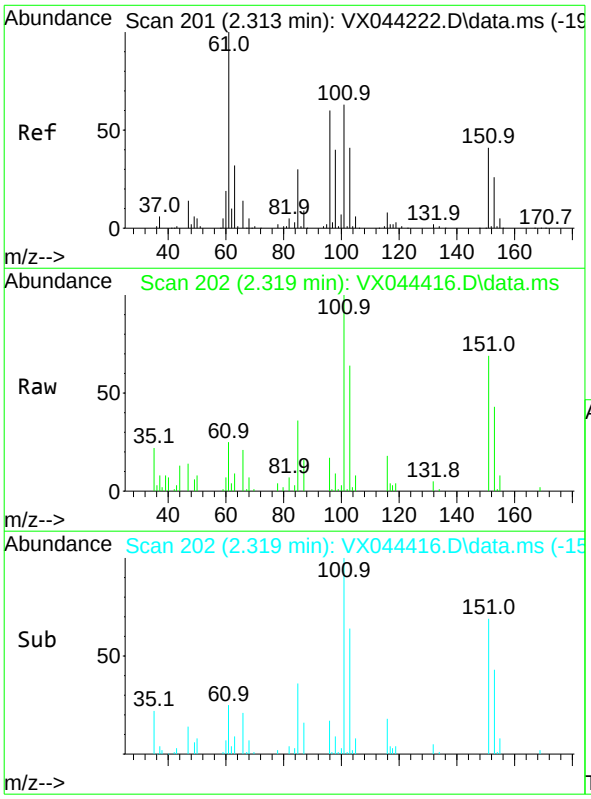

#3
Chloromethane
Concen: 0.698 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Tgt Ion: 50 Resp: 1079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 25.3 | 26.5 | 39.7# |

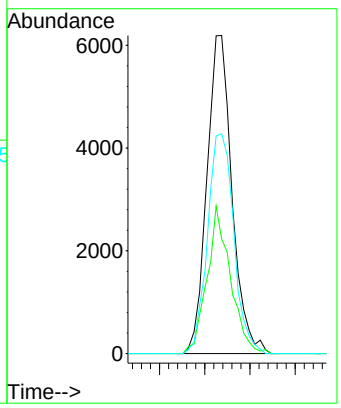


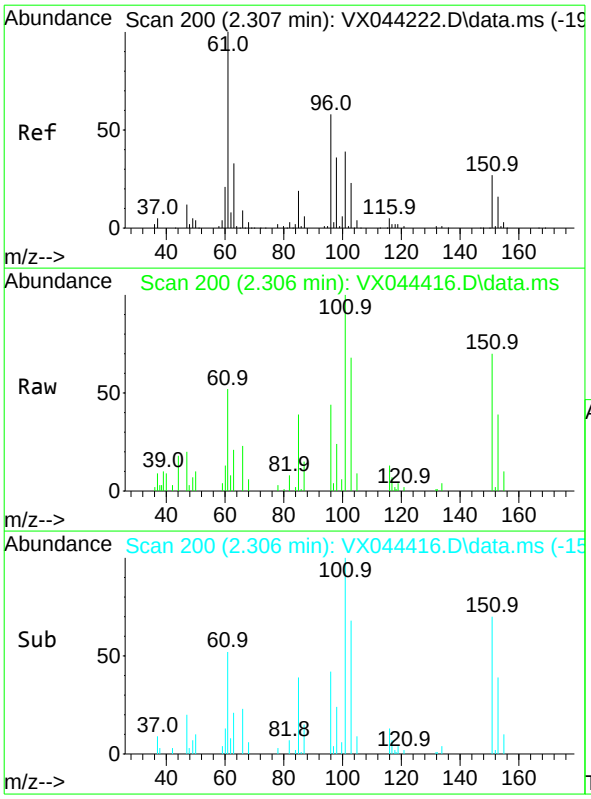




#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.366 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Tgt Ion:101 Resp: 11944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.2 | 38.5 | 57.7 |
| 151 | 72.4 | 55.8 | 83.6 |



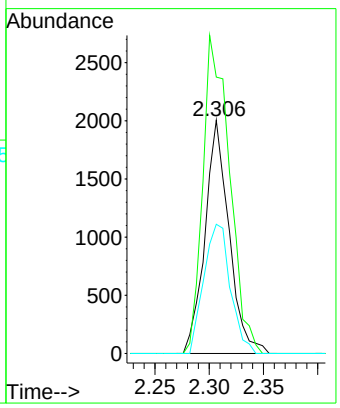


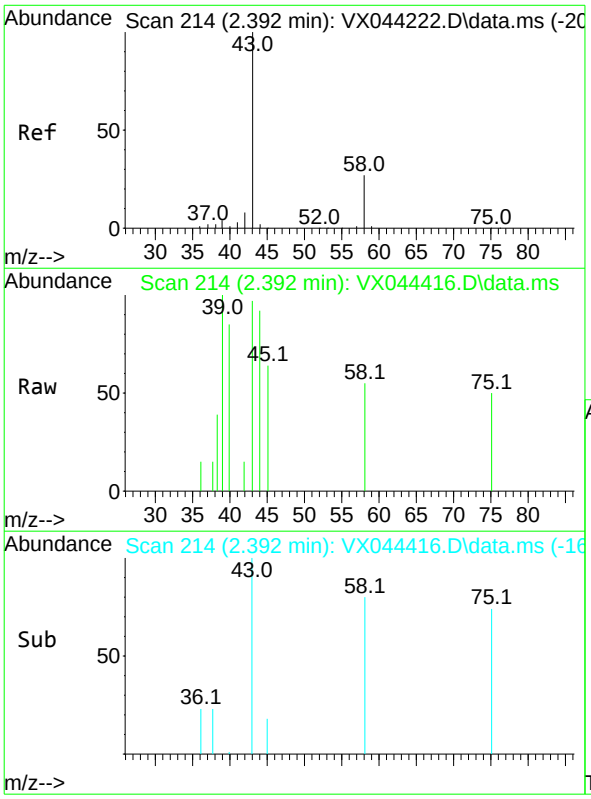

#12
1,1-Dichloroethene
Concen: 2.646 ug/l
RT: 2.306 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Tgt Ion: 96 Resp: 3099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 118.5 | 138.0 | 207.0# |
| 98 | 55.4 | 50.0 | 75.0 |

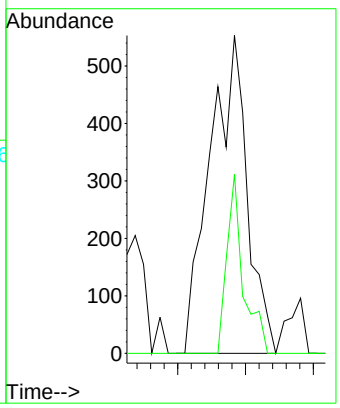


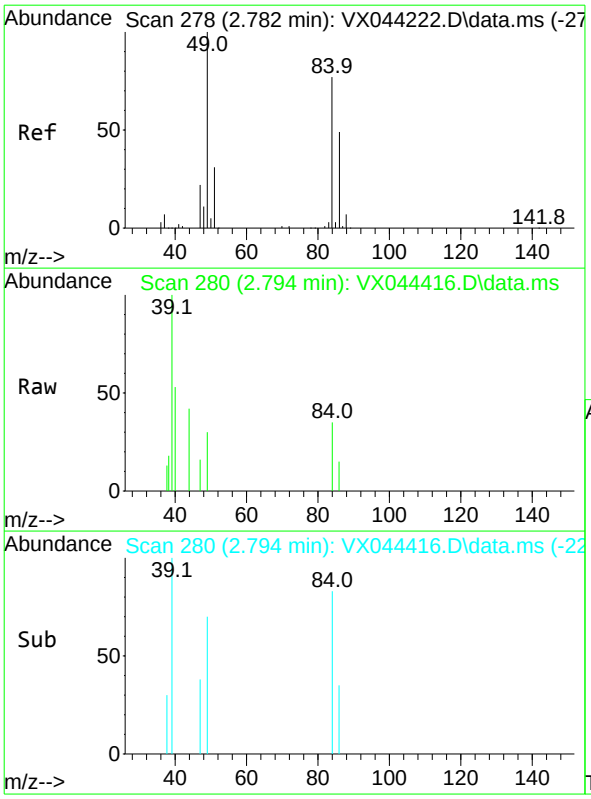




#16
Acetone
Concen: 1.408 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Tgt Ion: 43 Resp: 1052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.4 | 21.6 | 32.4# |



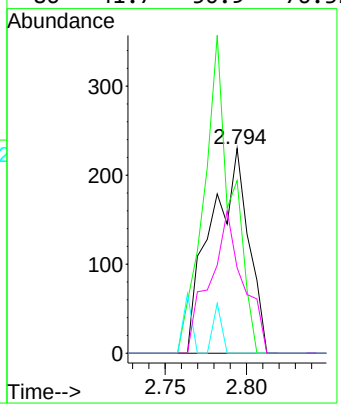


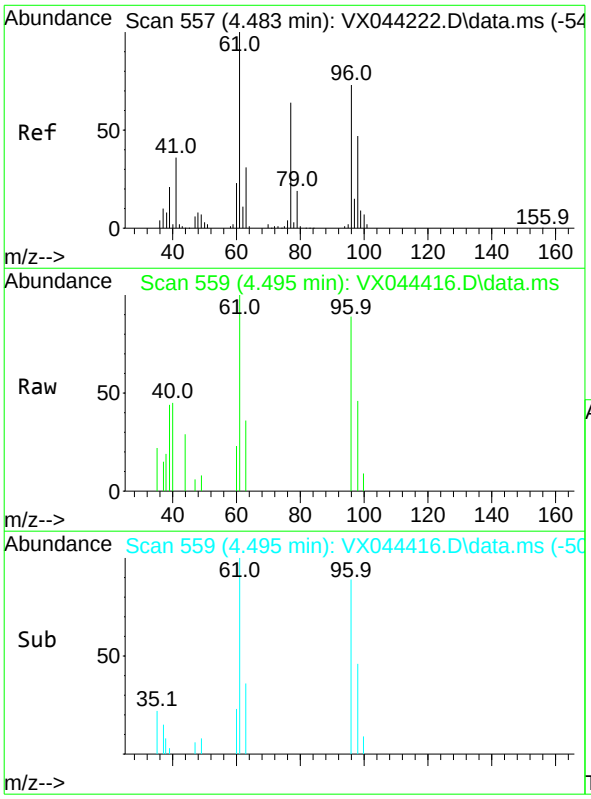

#20
Methylene Chloride
Concen: 0.262 ug/l
RT: 2.794 min Scan# 28
Delta R.T. 0.012 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Tgt Ion: 84 Resp: 368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 84.3 | 104.2 | 156.4# |
| 51 | 0.0 | 32.2 | 48.4# |
| 86 | 41.7 | 50.9 | 76.3# |

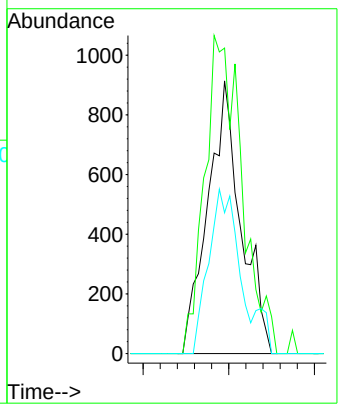


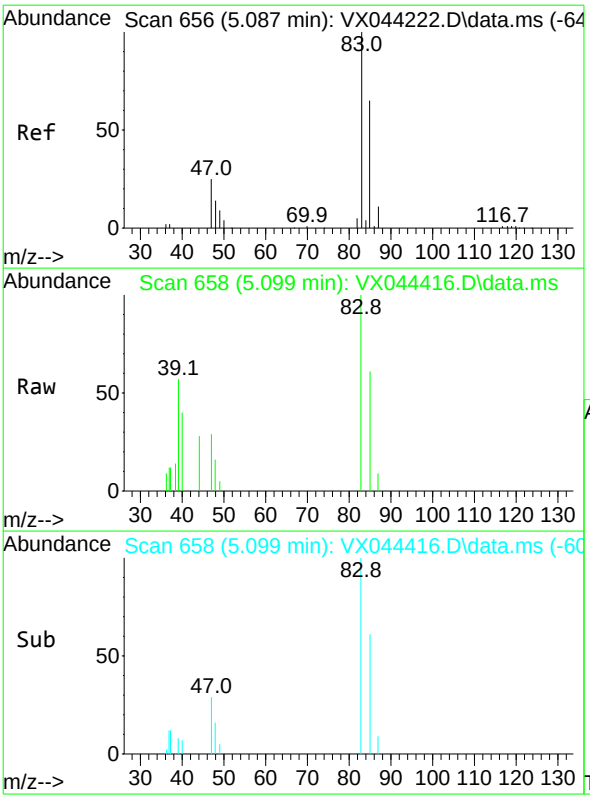




#27
cis-1,2-Dichloroethene
Concen: 1.556 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Tgt Ion: 96 Resp: 2460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.2 | 0.0 | 299.0 |
| 98 | 53.3 | 0.0 | 129.0 |



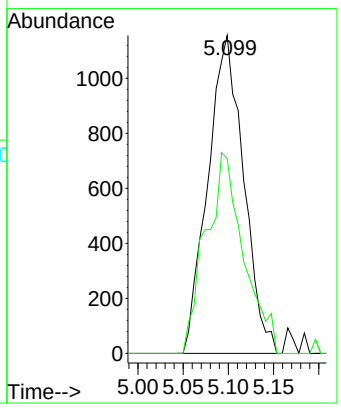


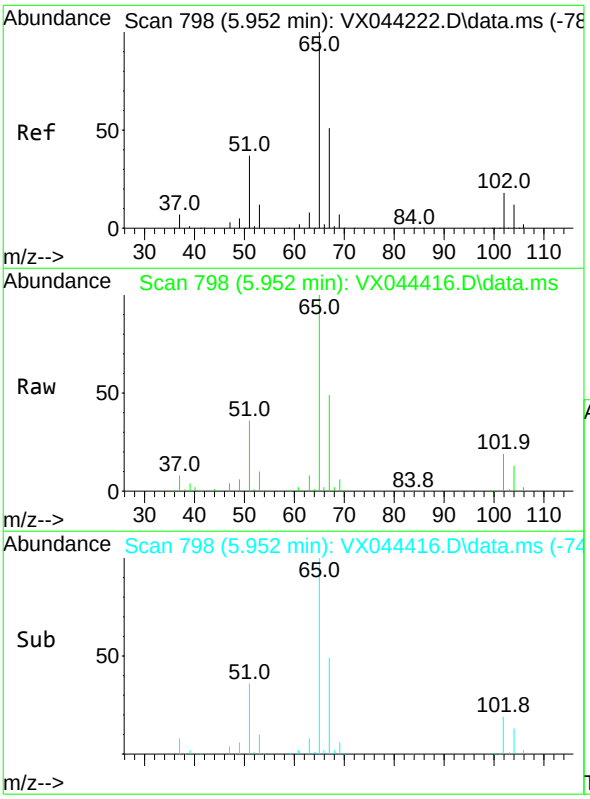

#30
Chloroform
Concen: 1.154 ug/l
RT: 5.099 min Scan# 65
Delta R.T. 0.012 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Tgt Ion: 83 Resp: 3176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.3 | 51.6 | 77.4 |

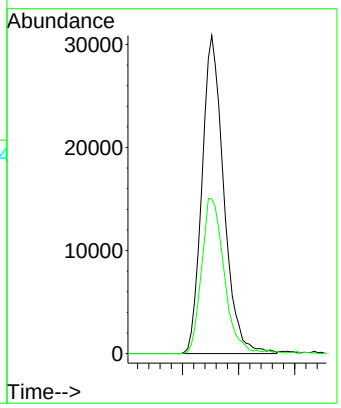


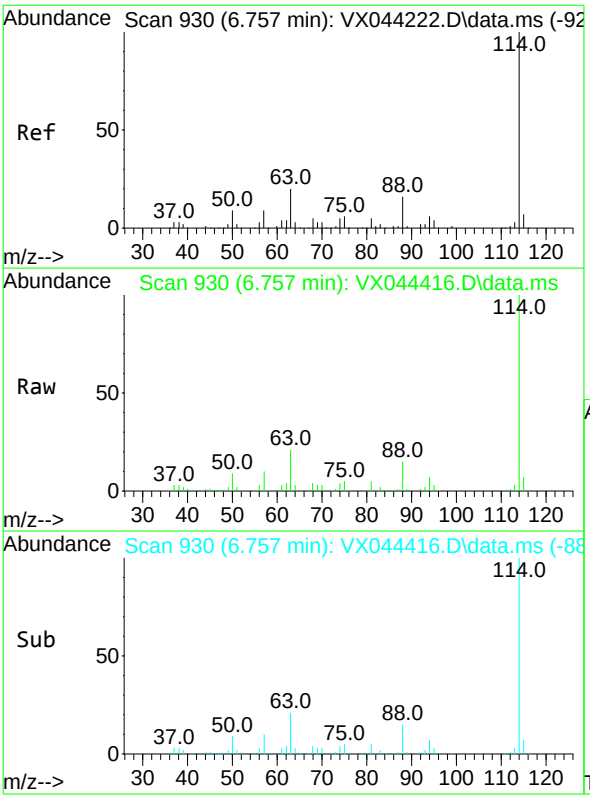




#33
1,2-Dichloroethane-d4
Concen: 45.364 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Tgt Ion: 65 Resp: 83114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |



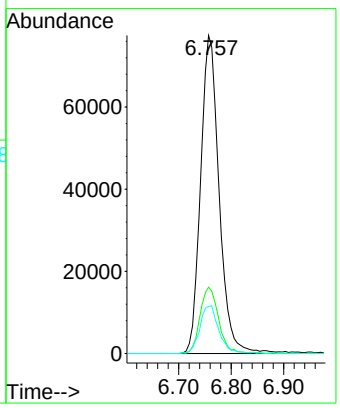


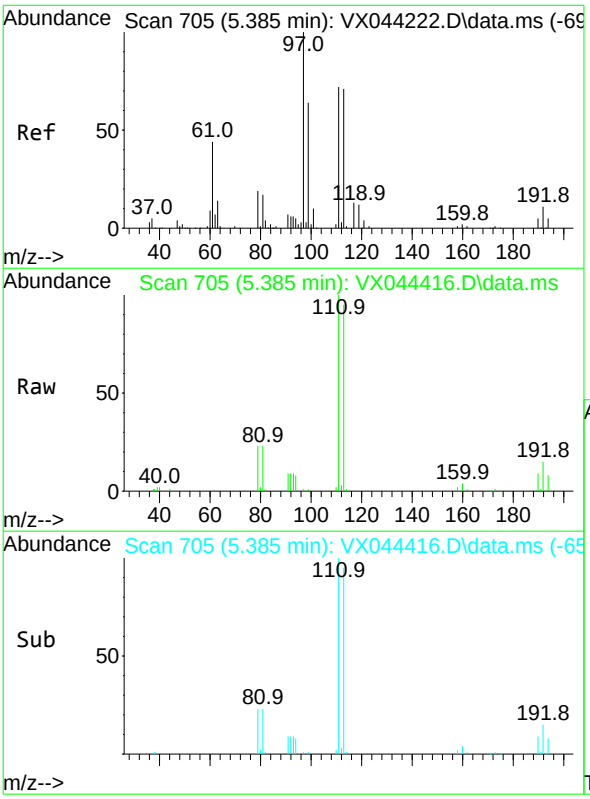

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Tgt Ion:114 Resp: 189474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 40.6 |
| 88 | 14.8 | 0.0 | 31.8 |

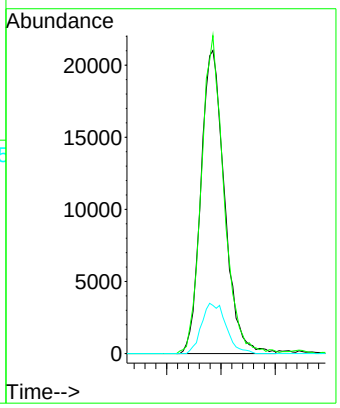


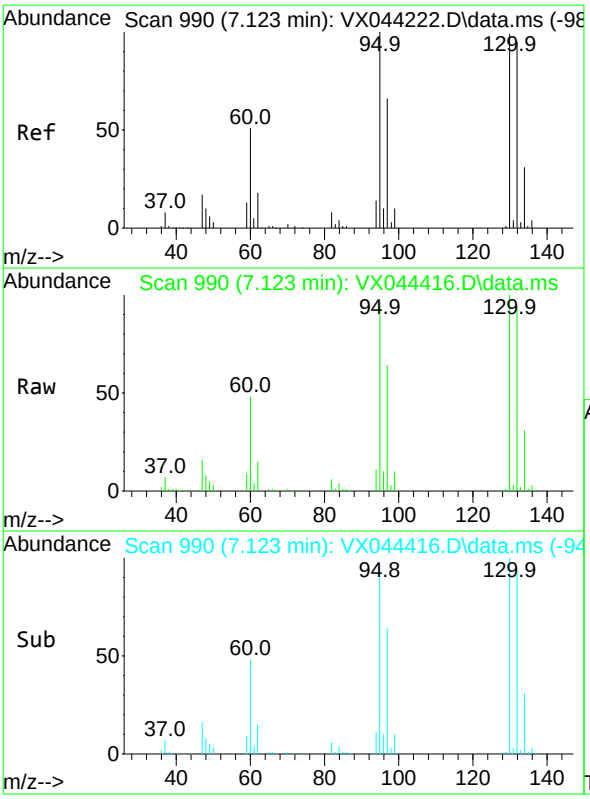




#35
Dibromofluoromethane
Concen: 48.418 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Tgt Ion:113 Resp: 63538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.9 | 80.4 | 120.6 |
| 192 | 17.2 | 13.3 | 19.9 |



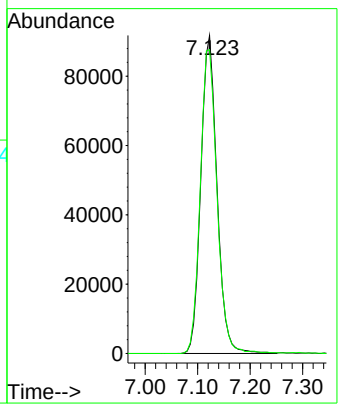


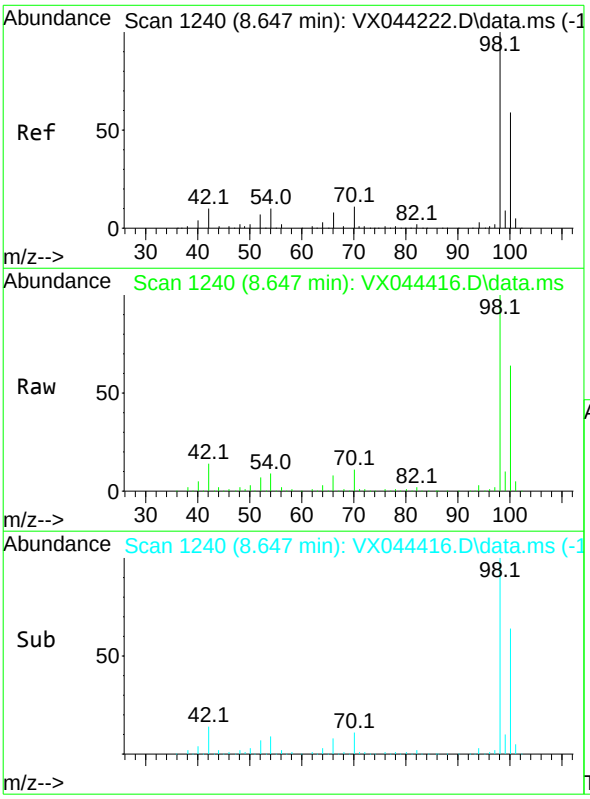

#44
Trichloroethene
Concen: 152.610 ug/l
RT: 7.123 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Tgt Ion:130 Resp: 196003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.5 | 0.0 | 201.4 |

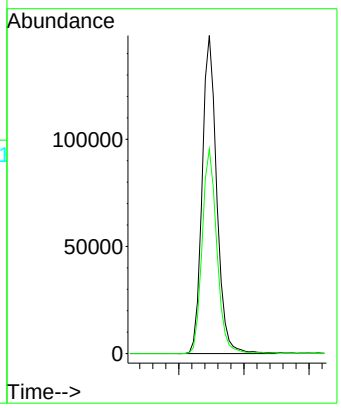


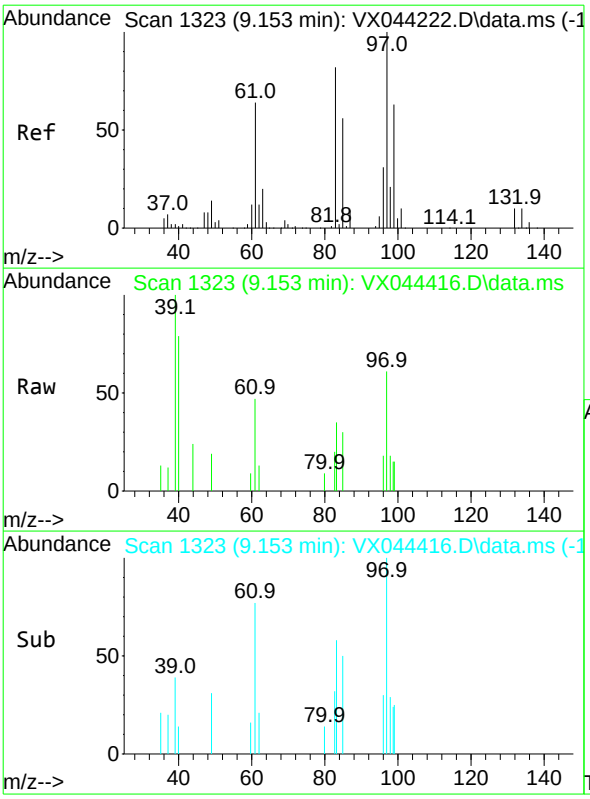




#50
Toluene-d8
Concen: 52.083 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Tgt Ion: 98 Resp: 230583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 51.5 | 77.3 |



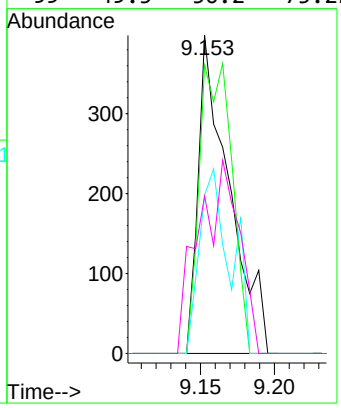


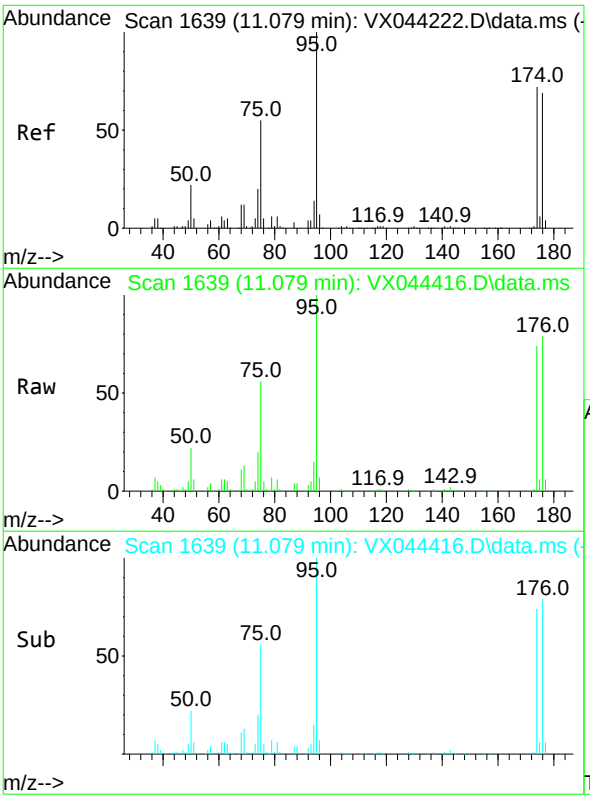

#55
1,1,2-Trichloroethane
Concen: 0.451 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Tgt Ion: 97 Resp: 580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.7 | 65.3 | 97.9 |
| 85 | 49.7 | 44.6 | 67.0 |
| 99 | 49.5 | 50.2 | 75.2# |

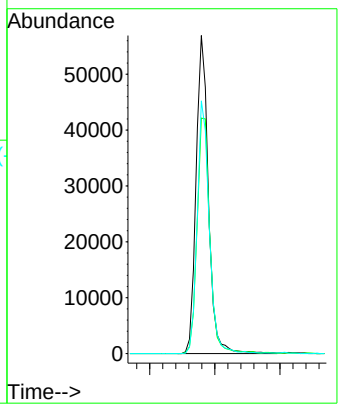


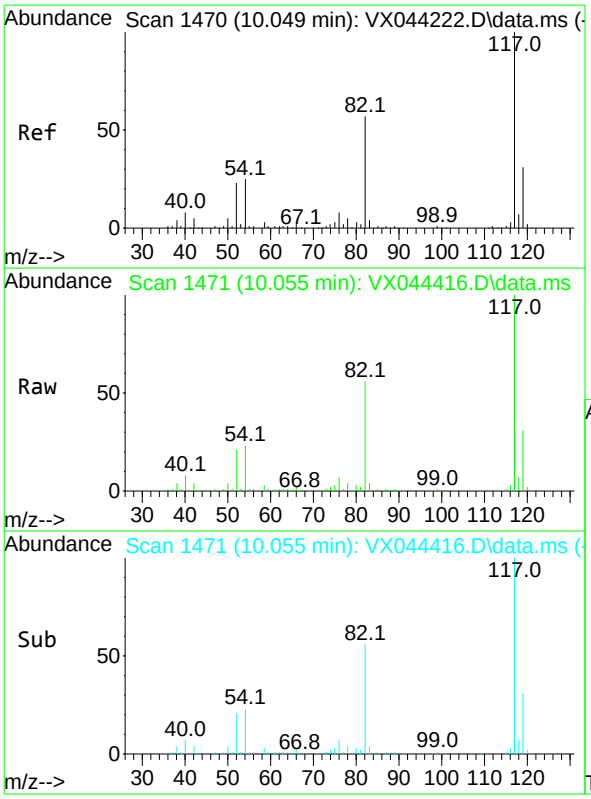




#62
4-Bromofluorobenzene
Concen: 48.429 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Tgt Ion: 95 Resp: 74919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.9 | 0.0 | 145.8 |
| 176 | 77.7 | 0.0 | 137.8 |



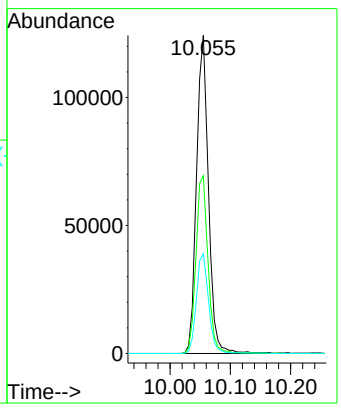


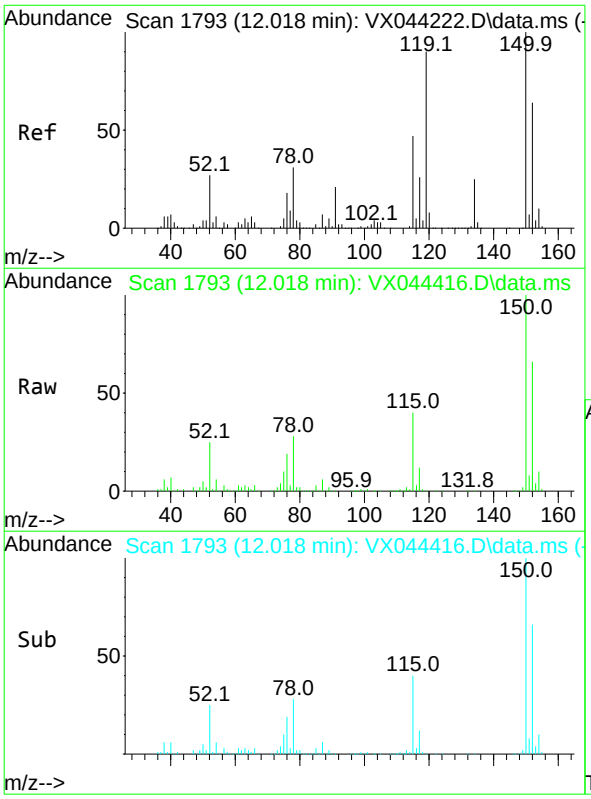

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217

Tgt Ion:117 Resp: 170677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 45.8 | 68.8 |
| 119 | 31.4 | 25.0 | 37.4 |

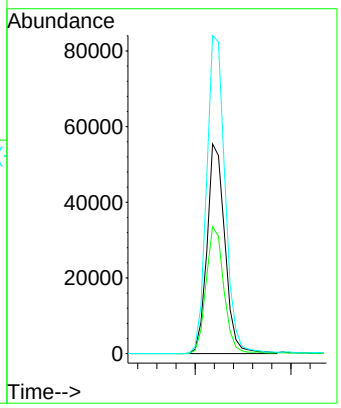



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044416.D
Acq: 19 Dec 2024 06:04

Tgt Ion:152 Resp: 71901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.2 | 44.5 | 133.3 |
| 150 | 157.2 | 0.0 | 353.8 |



Raw Data: **VX044545.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217DL | SDG No.: | P5317 |
| Lab Sample ID: | P5317-18DL | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044545.D | 4 | | 12/30/24 15:45 | VX123124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 2.00 | UD | 0.84 | 2.00 | 4.00 | ug/L |
| 74-87-3 | Chloromethane | 2.00 | UD | 1.40 | 2.00 | 4.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 3.00 | UD | 1.40 | 3.00 | 4.00 | ug/L |
| 74-83-9 | Bromomethane | 15.0 | UD | 5.40 | 15.0 | 20.0 | ug/L |
| 75-00-3 | Chloroethane | 3.00 | UD | 2.20 | 3.00 | 4.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 2.00 | UD | 1.40 | 2.00 | 4.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 7.90 | D | 1.00 | 2.00 | 4.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 2.90 | JD | 1.00 | 3.00 | 4.00 | ug/L |
| 67-64-1 | Acetone | 15.0 | UD | 5.60 | 15.0 | 20.0 | ug/L |
| 75-15-0 | Carbon Disulfide | 3.00 | UD | 1.30 | 3.00 | 4.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 2.00 | UD | 0.64 | 2.00 | 4.00 | ug/L |
| 79-20-9 | Methyl Acetate | 3.00 | UD | 2.40 | 3.00 | 4.00 | ug/L |
| 75-09-2 | Methylene Chloride | 2.00 | UD | 1.30 | 2.00 | 4.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 2.00 | UD | 1.00 | 2.00 | 4.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 2.00 | UD | 0.92 | 2.00 | 4.00 | ug/L |
| 110-82-7 | Cyclohexane | 10.0 | UD | 6.50 | 10.0 | 20.0 | ug/L |
| 78-93-3 | 2-Butanone | 10.0 | UD | 5.20 | 10.0 | 20.0 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 2.00 | UD | 1.00 | 2.00 | 4.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.70 | JD | 1.00 | 3.00 | 4.00 | ug/L |
| 74-97-5 | Bromochloromethane | 2.00 | UD | 0.72 | 2.00 | 4.00 | ug/L |
| 67-66-3 | Chloroform | 1.50 | JD | 1.00 | 2.00 | 4.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 2.00 | UD | 0.76 | 2.00 | 4.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 2.00 | UD | 0.76 | 2.00 | 4.00 | ug/L |
| 71-43-2 | Benzene | 2.00 | UD | 0.64 | 2.00 | 4.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 2.00 | UD | 0.96 | 2.00 | 4.00 | ug/L |
| 79-01-6 | Trichloroethene | 150 | D | 1.30 | 3.00 | 4.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 2.00 | UD | 0.76 | 2.00 | 4.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 2.00 | UD | 0.96 | 2.00 | 4.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 10.0 | UD | 3.00 | 10.0 | 20.0 | ug/L |
| 108-88-3 | Toluene | 2.00 | UD | 0.72 | 2.00 | 4.00 | ug/L |

Raw Data: **VX044545.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217DL | SDG No.: | P5317 |
| Lab Sample ID: | P5317-18DL | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044545.D | 4 | | 12/30/24 15:45 | VX123124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 2.00 | UD | 0.84 | 2.00 | 4.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 2.00 | UD | 0.72 | 2.00 | 4.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 2.00 | UD | 0.84 | 2.00 | 4.00 | ug/L |
| 591-78-6 | 2-Hexanone | 10.0 | UD | 4.50 | 10.0 | 20.0 | ug/L |
| 124-48-1 | Dibromochloromethane | 2.00 | UD | 0.72 | 2.00 | 4.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 2.00 | UD | 0.64 | 2.00 | 4.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 2.00 | UD | 1.00 | 2.00 | 4.00 | ug/L |
| 108-90-7 | Chlorobenzene | 2.00 | UD | 0.52 | 2.00 | 4.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 2.00 | UD | 0.64 | 2.00 | 4.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 4.00 | UD | 1.20 | 4.00 | 8.00 | ug/L |
| 95-47-6 | o-Xylene | 2.00 | UD | 0.56 | 2.00 | 4.00 | ug/L |
| 100-42-5 | Styrene | 2.00 | UD | 0.64 | 2.00 | 4.00 | ug/L |
| 75-25-2 | Bromoform | 2.00 | UD | 0.84 | 2.00 | 4.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 2.00 | UD | 0.52 | 2.00 | 4.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 2.00 | UD | 1.10 | 2.00 | 4.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 2.00 | UD | 0.96 | 2.00 | 4.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 2.00 | UD | 1.10 | 2.00 | 4.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 2.00 | UD | 0.76 | 2.00 | 4.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 3.00 | UD | 1.80 | 3.00 | 4.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 2.00 | UD | 1.70 | 2.00 | 4.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 3.00 | UD | 2.00 | 3.00 | 4.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.3 | | 81 - 118 | | 89% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.3 | | 80 - 119 | | 105% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 55.1 | | 89 - 112 | | 110% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.4 | | 85 - 114 | | 103% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 118000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 200000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 179000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 75500 | 12.024 | | | | |

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217DL | SDG No.: | P5317 |
| Lab Sample ID: | P5317-18DL | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044545.D | 4 | | 12/30/24 15:45 | VX123124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044545.D
Acq On : 30 Dec 2024 15:45
Operator : JC/MD
Sample : P5317-18DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217DL

Quant Time: Dec 31 00:31:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 117987 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 200283 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 179426 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 75456 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 91587 | 44.273 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 88.540% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 72531 | 52.288 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.580% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 257969 | 55.124 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 110.240% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 83972 | 51.351 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 102.700% | | | |
| Target Compounds | | | | | | Qvalue |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 2846 | 1.977 | ug/l | 91 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 945 | 0.715 | ug/l # | 44 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 750 | 0.420 | ug/l | 76 |
| 30) Chloroform | 5.092 | 83 | 1146 | 0.369 | ug/l | 96 |
| 44) Trichloroethene | 7.123 | 130 | 49829 | 36.704 | ug/l | 99 |

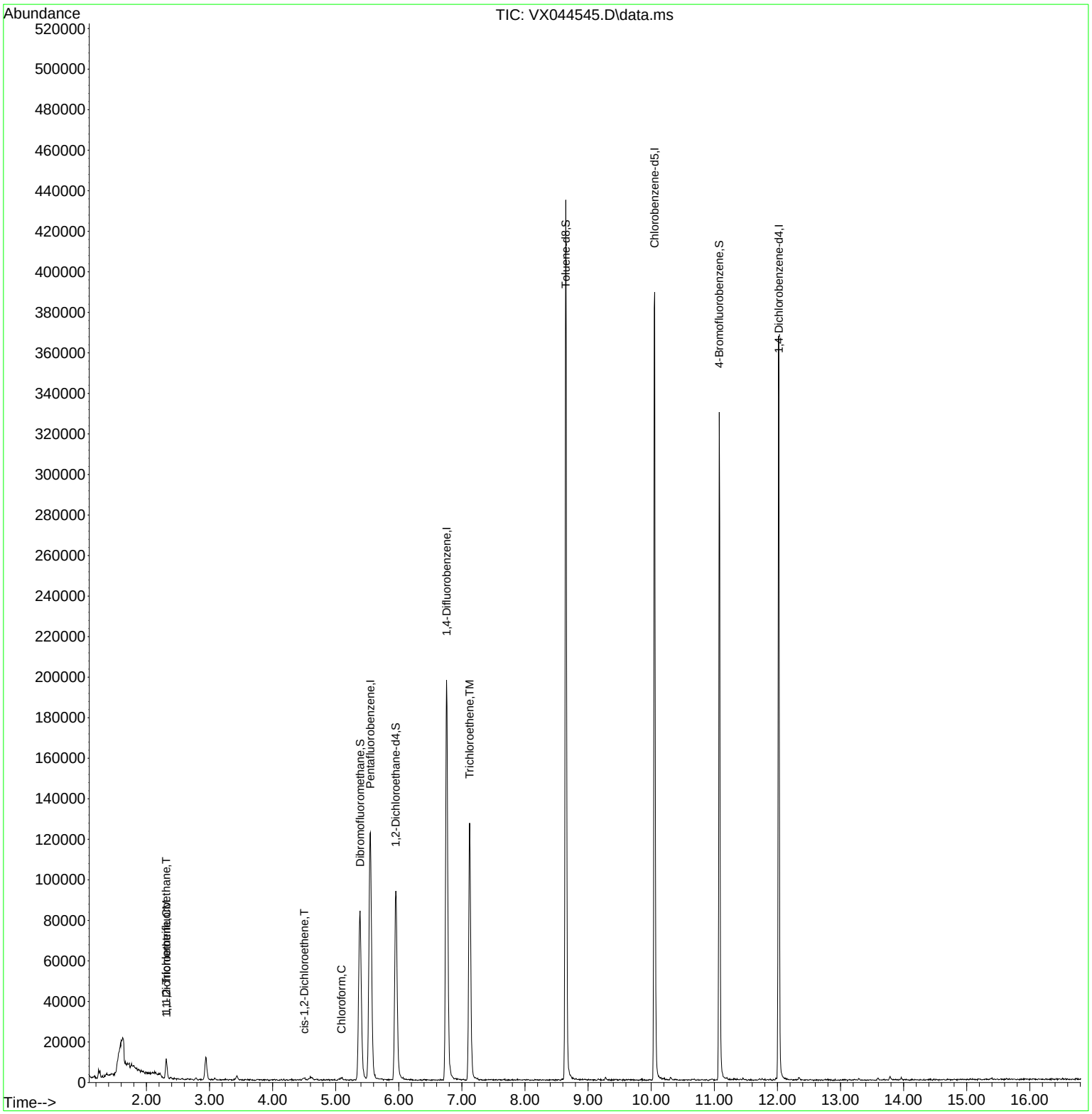
(#) = qualifier out of range (m) = manual integration (+) = signals summed

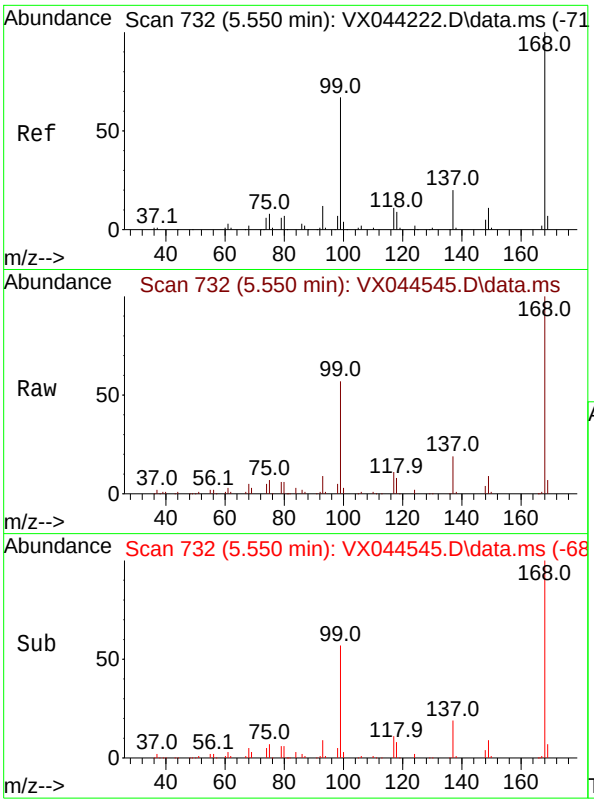
Sample Results: **VX044545.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044545.D
Acq On : 30 Dec 2024 15:45
Operator : JC/MD
Sample : P5317-18DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217DL

Quant Time: Dec 31 00:31:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



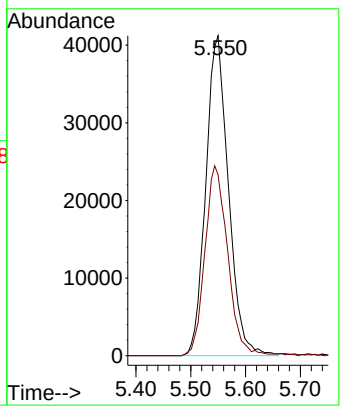


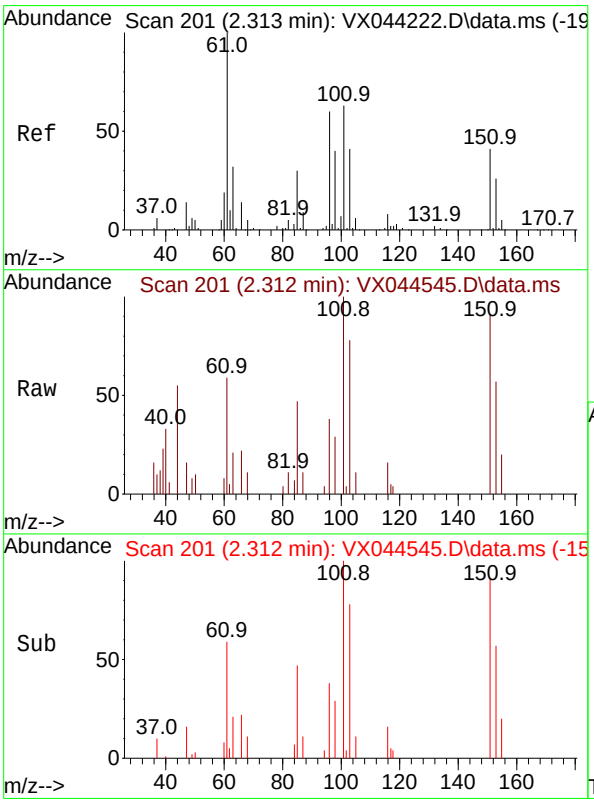

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217DL

Tgt Ion:168 Resp: 117987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.6 | 53.4 | 80.0 |

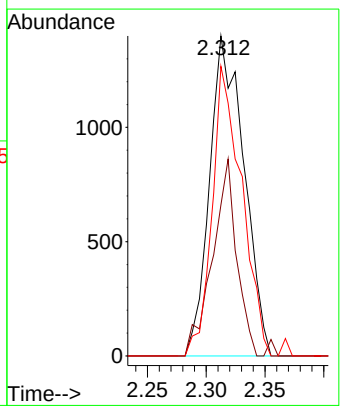


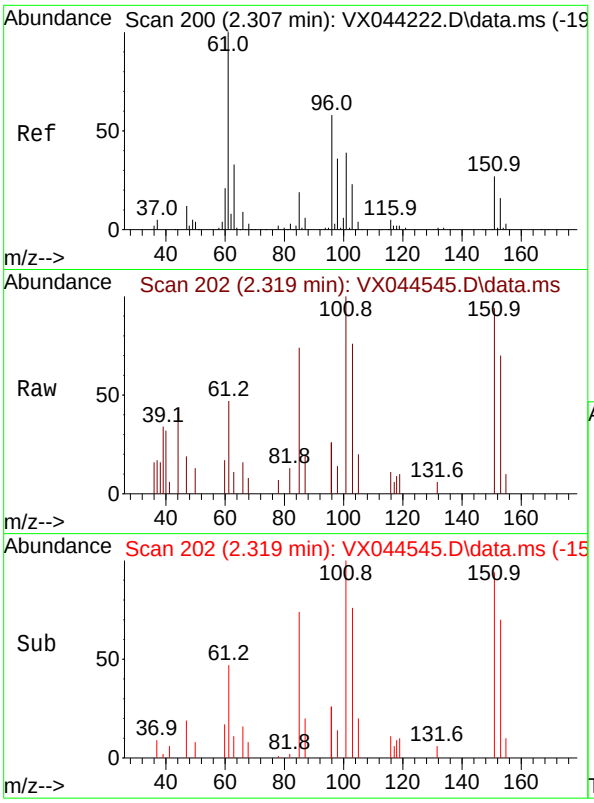




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.977 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion:101 Resp: 2846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.4 | 38.5 | 57.7 |
| 151 | 78.0 | 55.8 | 83.6 |



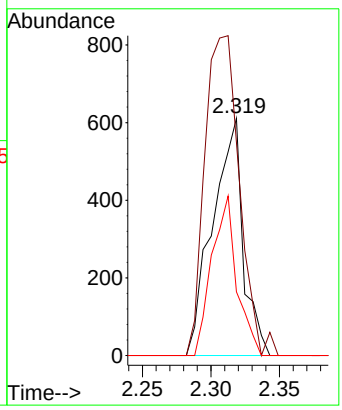


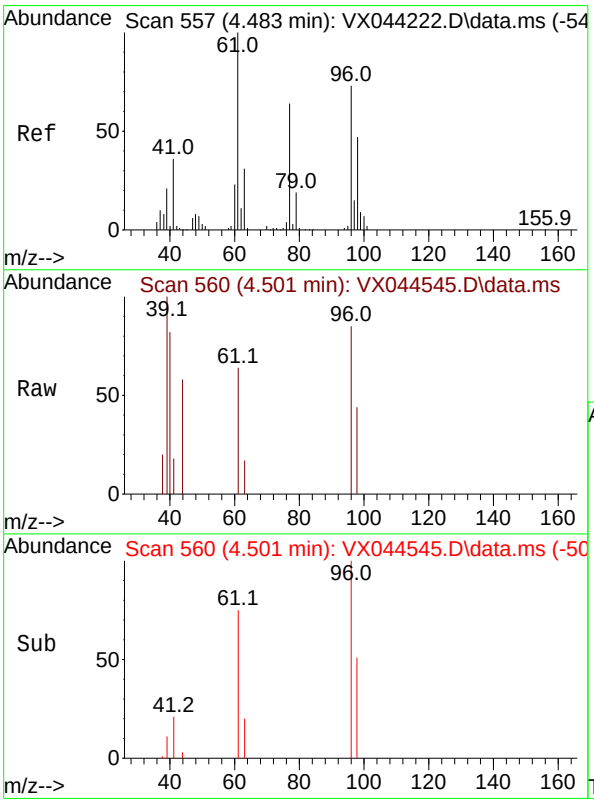

#12
1,1-Dichloroethene
Concen: 0.715 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217DL

Tgt Ion: 96 Resp: 945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 89.9 | 138.0 | 207.0# |
| 98 | 26.8 | 50.0 | 75.0# |

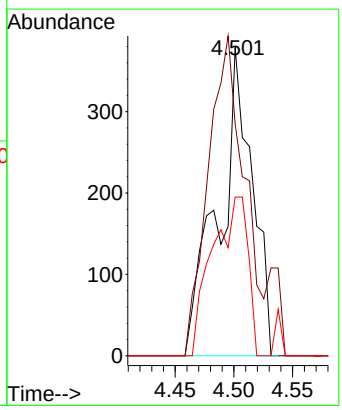


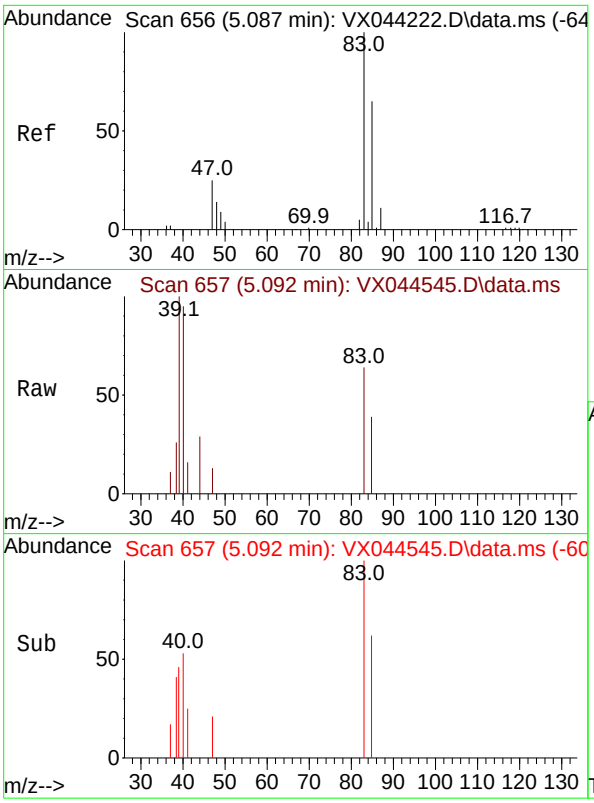




#27
cis-1,2-Dichloroethene
Concen: 0.420 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.018 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion: 96 Resp: 750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 112.5 | 0.0 | 299.0 |
| 98 | 54.7 | 0.0 | 129.0 |



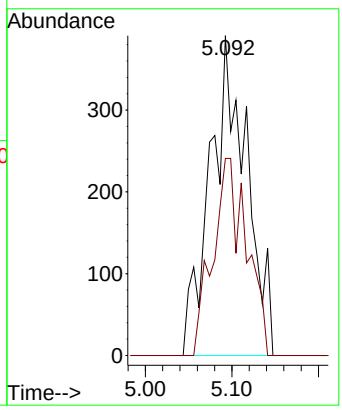


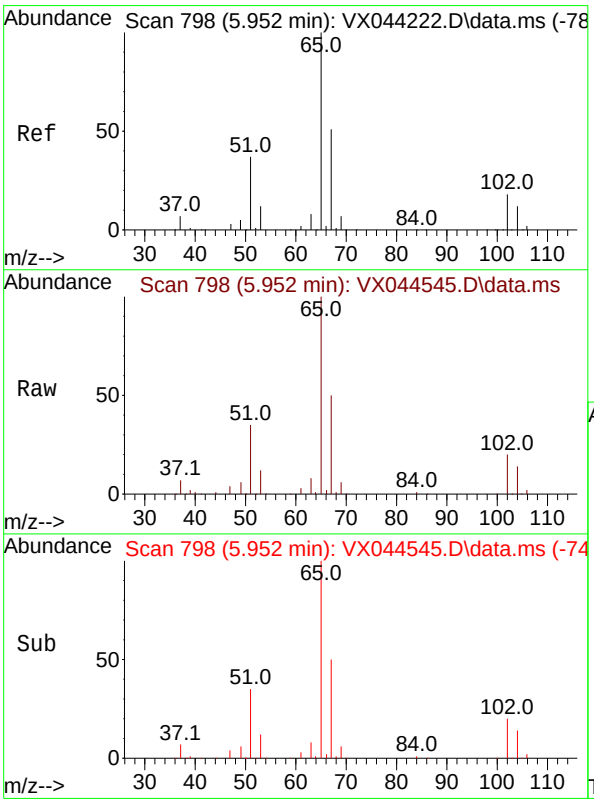

#30
Chloroform
Concen: 0.369 ug/l
RT: 5.092 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217DL

Tgt Ion: 83 Resp: 1146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.6 | 51.6 | 77.4 |

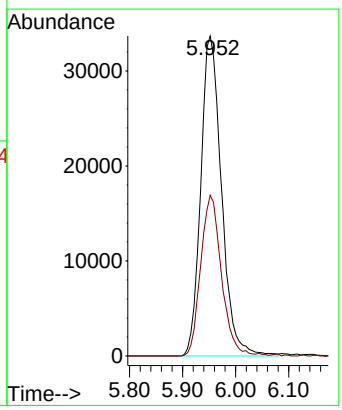


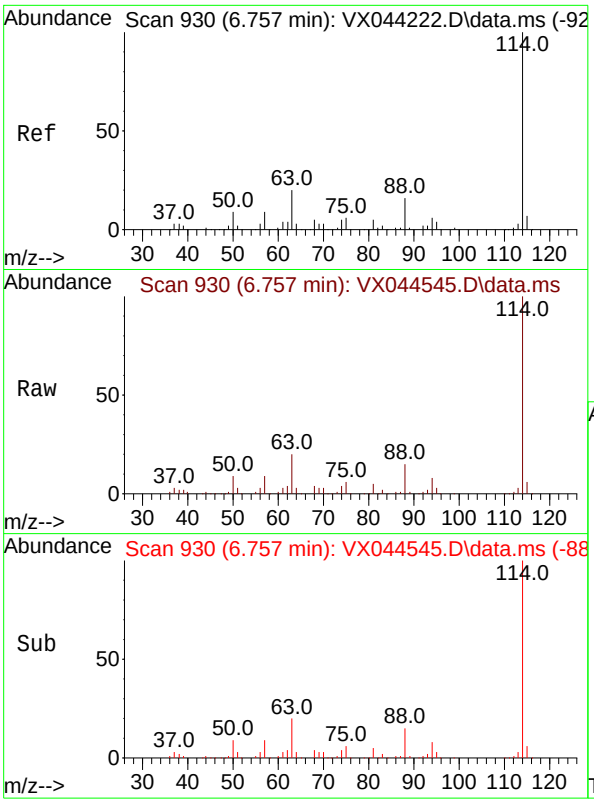




#33
1,2-Dichloroethane-d4
Concen: 44.273 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion: 65 Resp: 91587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 101.6 |



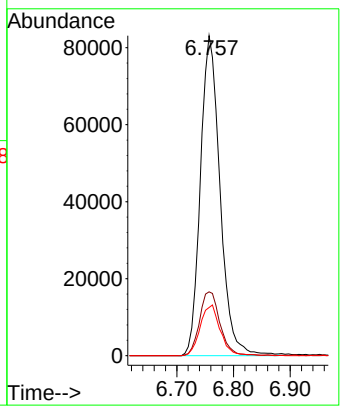


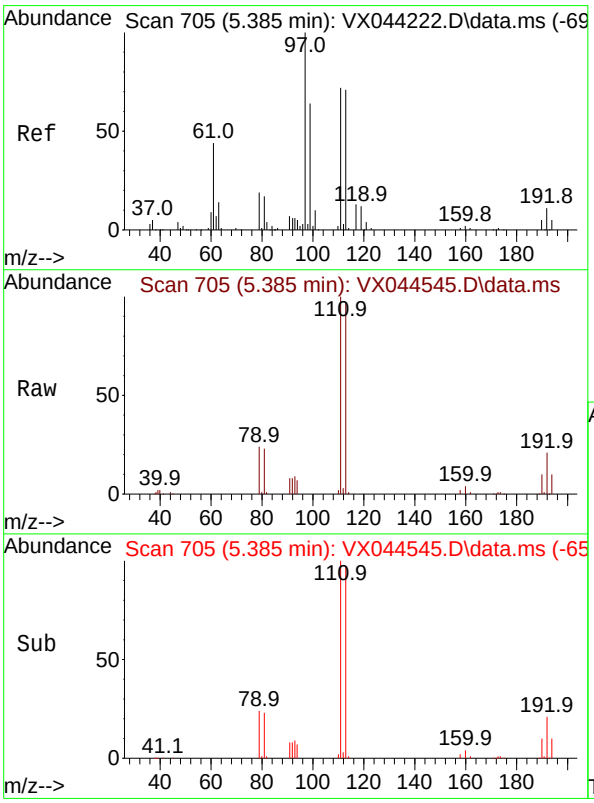

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217DL

Tgt Ion:114 Resp: 200283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 40.6 |
| 88 | 15.1 | 0.0 | 31.8 |

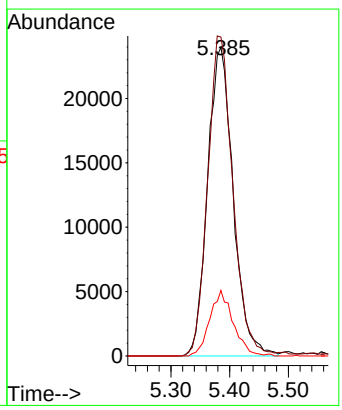


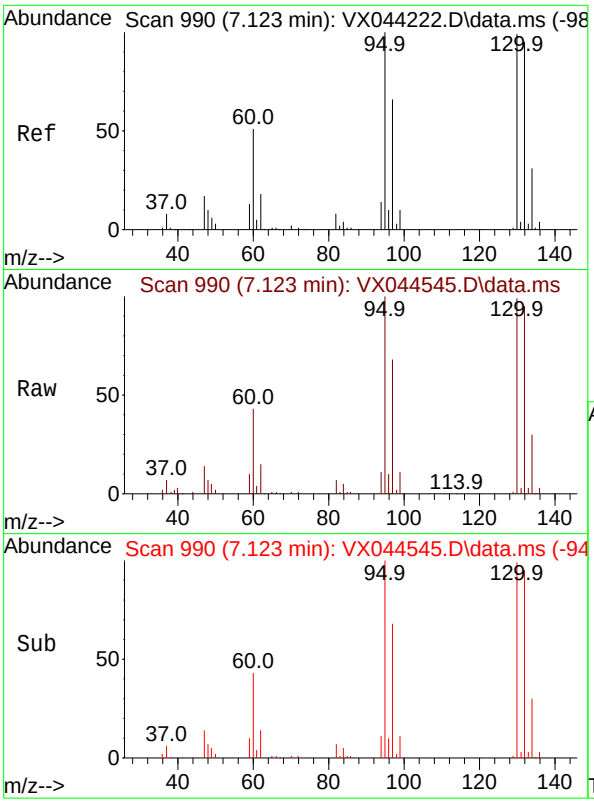




#35
Dibromofluoromethane
Concen: 52.288 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion:113 Resp: 72531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 80.4 | 120.6 |
| 192 | 19.4 | 13.3 | 19.9 |



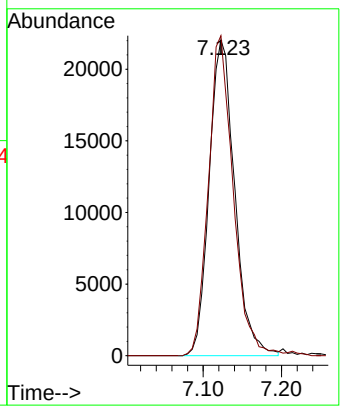


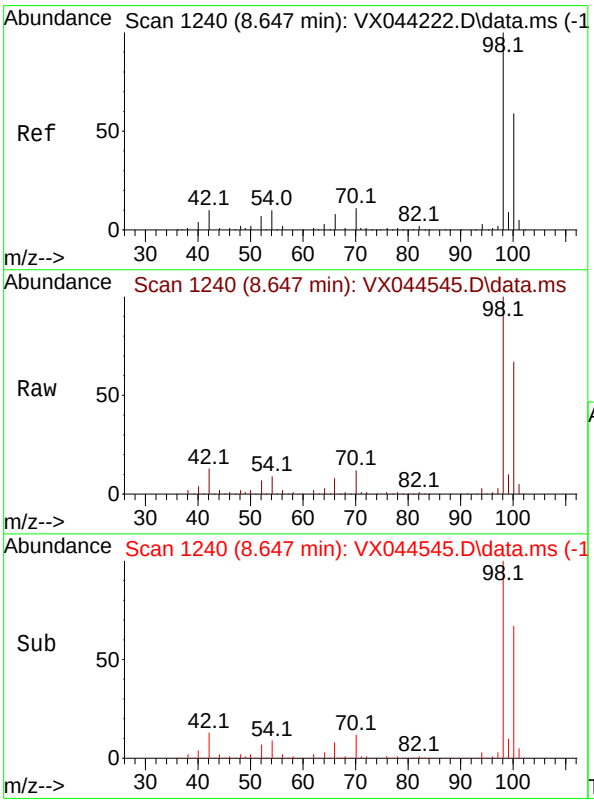

#44
Trichloroethene
Concen: 36.704 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217DL

Tgt Ion:130 Resp: 49829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.3 | 0.0 | 201.4 |

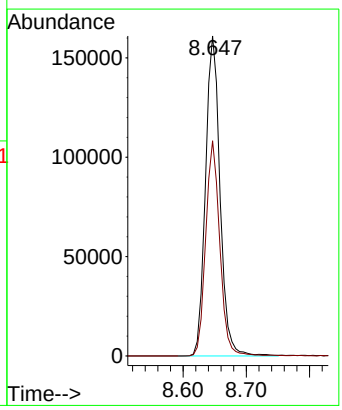


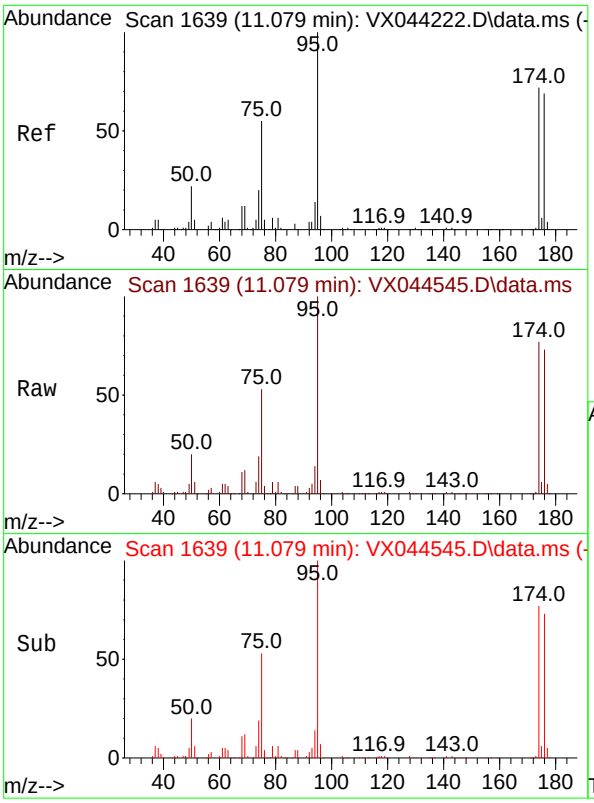




#50
Toluene-d8
Concen: 55.124 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion: 98 Resp: 257969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 51.5 | 77.3 |



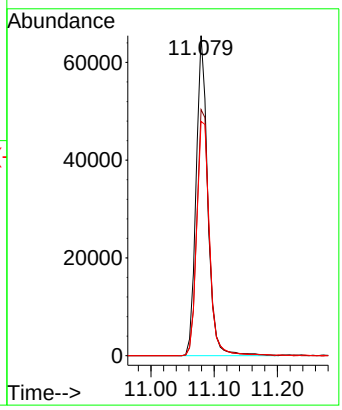


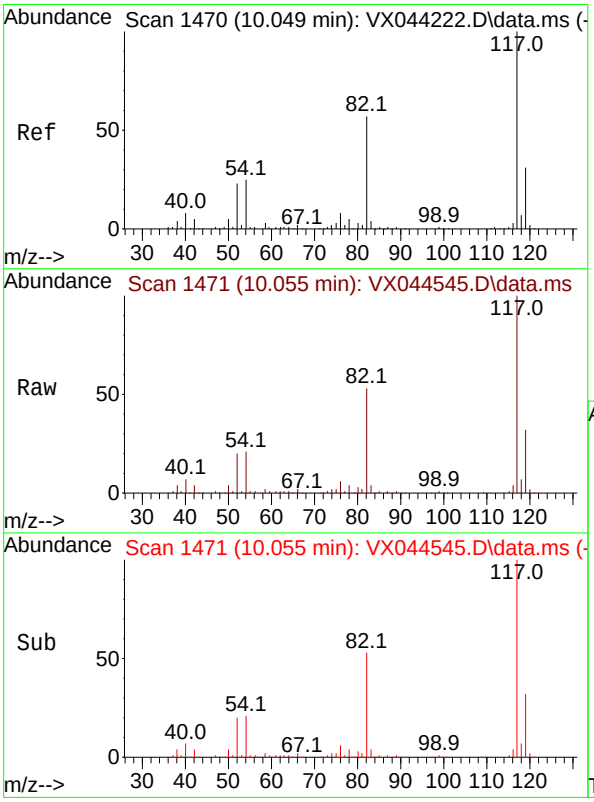

#62
4-Bromofluorobenzene
Concen: 51.351 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217DL

Tgt Ion: 95 Resp: 83972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.3 | 0.0 | 145.8 |
| 176 | 80.6 | 0.0 | 137.8 |

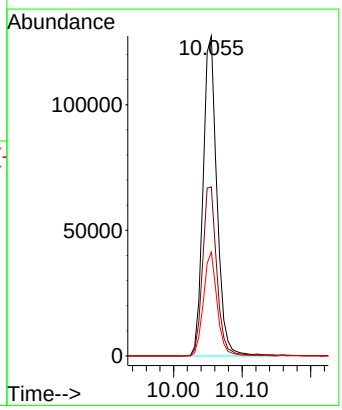


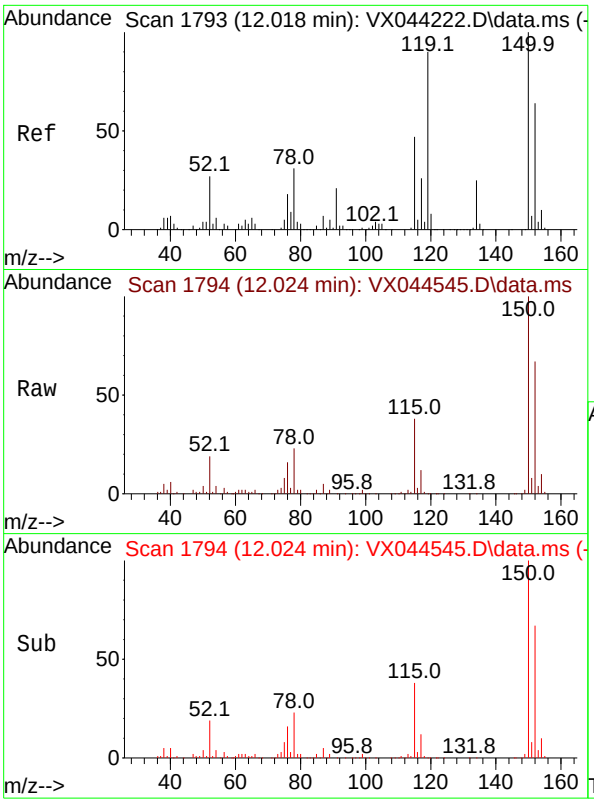




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion:117 Resp: 179426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.8 | 45.8 | 68.8 |
| 119 | 32.5 | 25.0 | 37.4 |



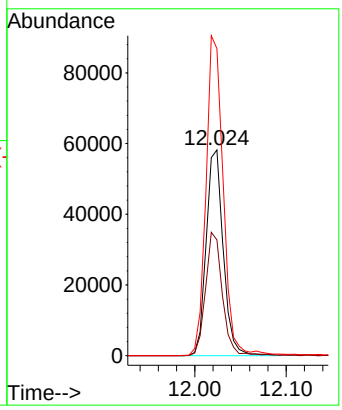



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217DL

Tgt Ion:152 Resp: 75456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.3 | 44.5 | 133.3 |
| 150 | 157.4 | 0.0 | 353.8 |



Raw Data: **VX044485.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D6-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-21 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044485.D | 40 | | 12/23/24 17:09 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 20.0 | U | 8.40 | 20.0 | 40.0 | ug/L |
| 74-87-3 | Chloromethane | 20.0 | U | 14.0 | 20.0 | 40.0 | ug/L |
| 75-01-4 | Vinyl Chloride | 30.0 | U | 13.6 | 30.0 | 40.0 | ug/L |
| 74-83-9 | Bromomethane | 150 | U | 54.4 | 150 | 200 | ug/L |
| 75-00-3 | Chloroethane | 30.0 | U | 22.4 | 30.0 | 40.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 20.0 | U | 13.6 | 20.0 | 40.0 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 26.6 | J | 10.0 | 20.0 | 40.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 15.5 | J | 10.4 | 30.0 | 40.0 | ug/L |
| 67-64-1 | Acetone | 150 | U | 55.6 | 150 | 200 | ug/L |
| 75-15-0 | Carbon Disulfide | 16.8 | J | 12.8 | 30.0 | 40.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 79-20-9 | Methyl Acetate | 30.0 | U | 24.0 | 30.0 | 40.0 | ug/L |
| 75-09-2 | Methylene Chloride | 20.0 | U | 12.8 | 20.0 | 40.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 20.0 | U | 10.0 | 20.0 | 40.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 20.0 | U | 9.20 | 20.0 | 40.0 | ug/L |
| 110-82-7 | Cyclohexane | 100 | U | 64.8 | 100 | 200 | ug/L |
| 78-93-3 | 2-Butanone | 100 | U | 52.0 | 100 | 200 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 20.0 | U | 10.0 | 20.0 | 40.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 30.0 | U | 10.0 | 30.0 | 40.0 | ug/L |
| 74-97-5 | Bromochloromethane | 20.0 | U | 7.20 | 20.0 | 40.0 | ug/L |
| 67-66-3 | Chloroform | 20.0 | U | 10.4 | 20.0 | 40.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 20.0 | U | 7.60 | 20.0 | 40.0 | ug/L |
| 108-87-2 | Methylcyclohexane | 20.0 | U | 7.60 | 20.0 | 40.0 | ug/L |
| 71-43-2 | Benzene | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.0 | U | 9.60 | 20.0 | 40.0 | ug/L |
| 79-01-6 | Trichloroethene | 1600 | | 12.8 | 30.0 | 40.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 20.0 | U | 7.60 | 20.0 | 40.0 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.0 | U | 9.60 | 20.0 | 40.0 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | U | 30.0 | 100 | 200 | ug/L |
| 108-88-3 | Toluene | 20.0 | U | 7.20 | 20.0 | 40.0 | ug/L |

Raw Data: **VX044485.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D6-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-21 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044485.D | 40 | | 12/23/24 17:09 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 20.0 | U | 8.40 | 20.0 | 40.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.0 | U | 7.20 | 20.0 | 40.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.0 | U | 8.40 | 20.0 | 40.0 | ug/L |
| 591-78-6 | 2-Hexanone | 100 | U | 45.2 | 100 | 200 | ug/L |
| 124-48-1 | Dibromochloromethane | 20.0 | U | 7.20 | 20.0 | 40.0 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 127-18-4 | Tetrachloroethene | 11.6 | J | 10.0 | 20.0 | 40.0 | ug/L |
| 108-90-7 | Chlorobenzene | 20.0 | U | 5.20 | 20.0 | 40.0 | ug/L |
| 100-41-4 | Ethyl Benzene | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 179601-23-1 | m/p-Xylenes | 40.0 | U | 12.4 | 40.0 | 80.0 | ug/L |
| 95-47-6 | o-Xylene | 20.0 | U | 5.60 | 20.0 | 40.0 | ug/L |
| 100-42-5 | Styrene | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 75-25-2 | Bromoform | 20.0 | U | 8.40 | 20.0 | 40.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 20.0 | U | 5.20 | 20.0 | 40.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.0 | U | 10.8 | 20.0 | 40.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.0 | U | 9.60 | 20.0 | 40.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 13.2 | J | 10.8 | 20.0 | 40.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 20.0 | U | 7.60 | 20.0 | 40.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 30.0 | U | 18.4 | 30.0 | 40.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.0 | U | 16.8 | 20.0 | 40.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 30.0 | U | 20.4 | 30.0 | 40.0 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 41.4 | | 81 - 118 | | 83% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.8 | | 80 - 119 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 53.3 | | 89 - 112 | | 107% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.2 | | 85 - 114 | | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 144000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 249000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 221000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 102000 | 12.018 | | | | |

Raw Data: **VX044485.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D6-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-21 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044485.D | 40 | | 12/23/24 17:09 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044485.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044485.D
Acq On : 23 Dec 2024 17:09
Operator : JC/MD
Sample : P5317-21 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 23 22:13:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 144075 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 249365 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 221444 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 102248 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 104514 | 41.374 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 82.740% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 82534 | 47.788 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.580% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 310298 | 53.255 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 106.500% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 102247 | 50.220 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.440% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 1168 | 0.664 | ug/l # | 87 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 625 | 0.387 | ug/l # | 84 |
| 16) Acetone | 2.392 | 43 | 547 | 0.531 | ug/l # | 81 |
| 17) Carbon Disulfide | 2.501 | 76 | 1291 | 0.421 | ug/l | 98 |
| 44) Trichloroethene | 7.123 | 130 | 67143 | 39.722 | ug/l | 92 |
| 64) Tetrachloroethene | 9.268 | 164 | 428 | 0.291 | ug/l # | 76 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 1120m | 0.329 | ug/l | |
| 93) 1,2,4-Trichlorobenzene | 13.597 | 180 | 560 | 0.297 | ug/l | 92 |
| 95) Naphthalene | 13.780 | 128 | 2946 | 0.400 | ug/l | 95 |
| 96) 1,2,3-Trichlorobenzene | 13.969 | 180 | 720 | 0.360 | ug/l | 96 |

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

Sample Results: **VX044485.D**

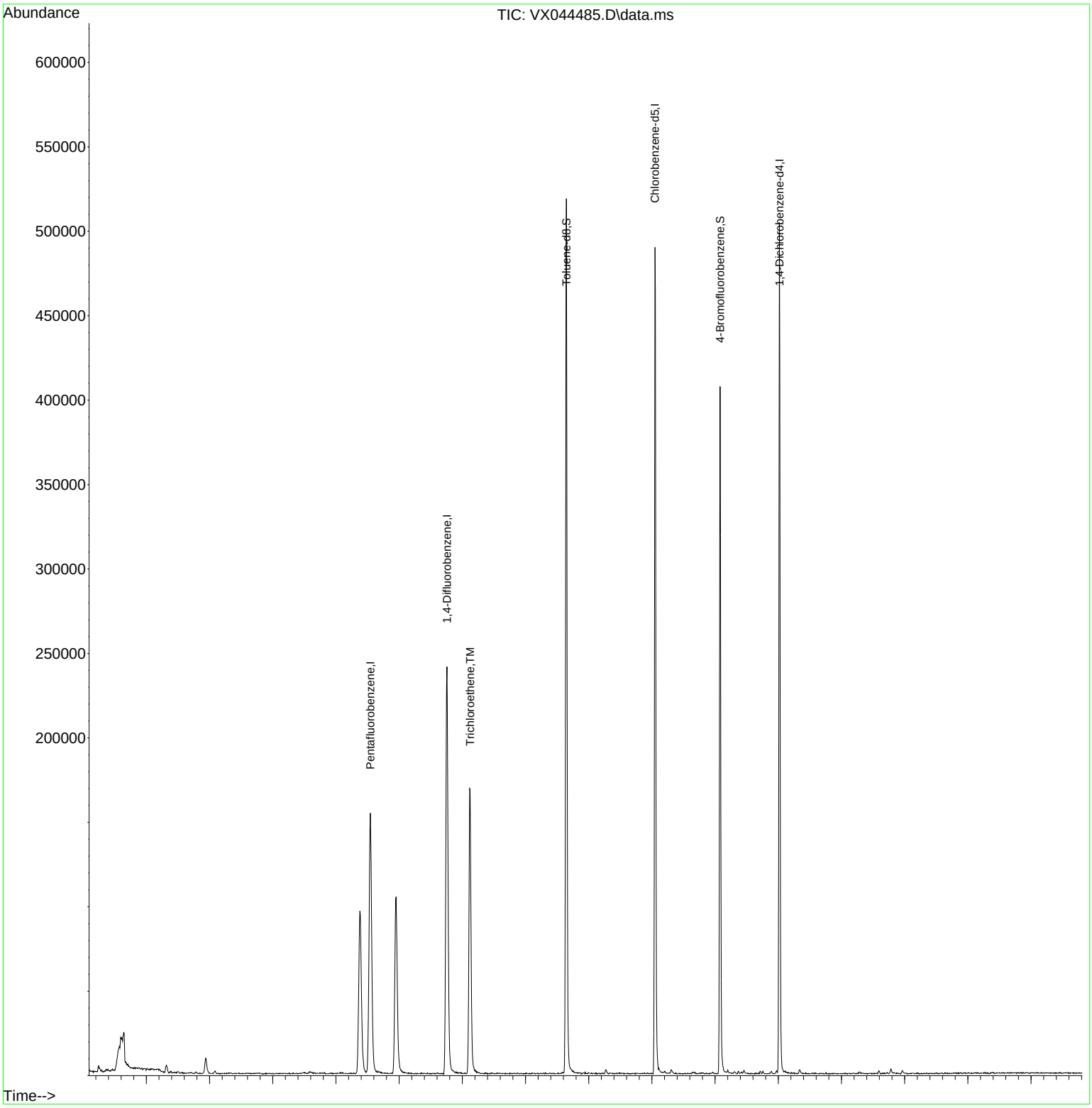
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044485.D
Acq On : 23 Dec 2024 17:09
Operator : JC/MD
Sample : P5317-21 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

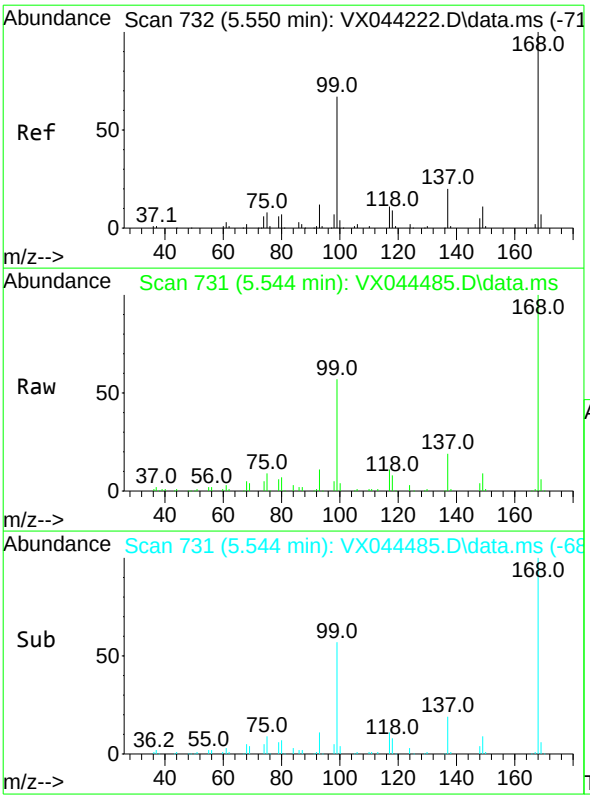
Quant Time: Dec 23 22:13:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

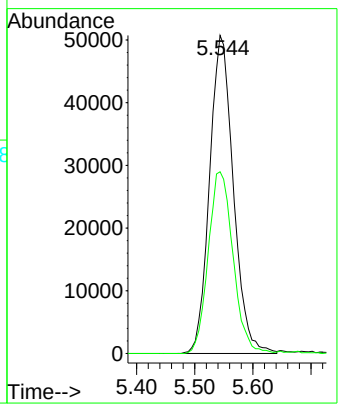
Tgt Ion:168 Resp: 144075

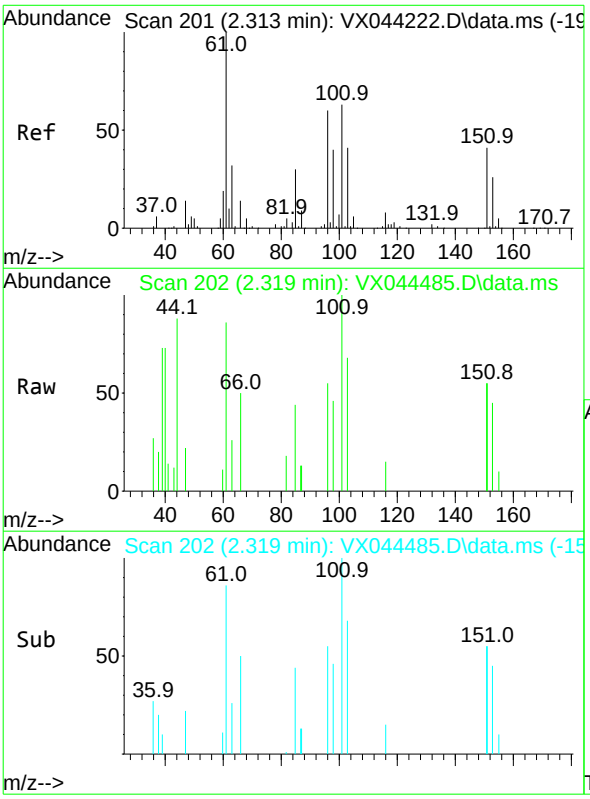
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.1 | 53.4 | 80.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

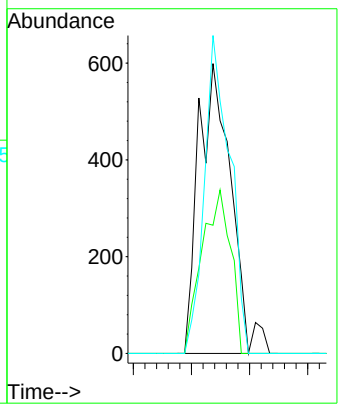


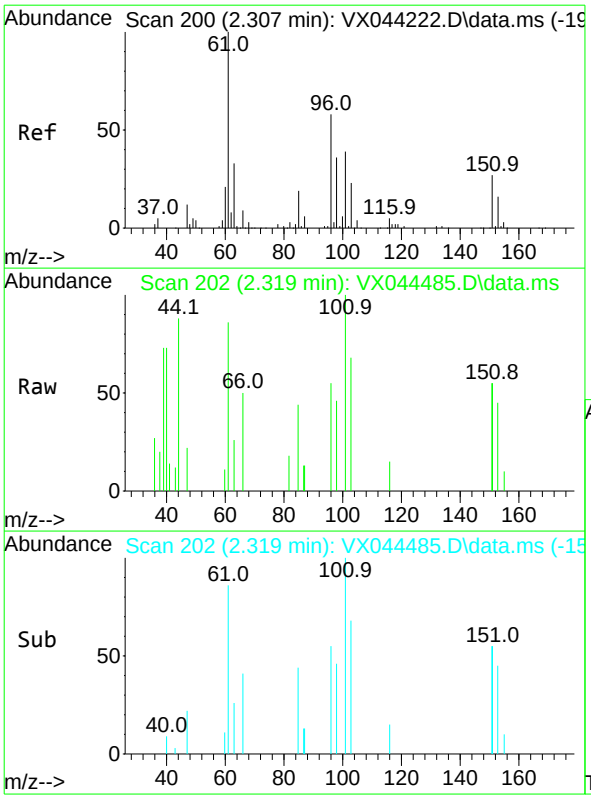




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.664 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:101 Resp: 1168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.7 | 38.5 | 57.7 |
| 151 | 85.7 | 55.8 | 83.6# |

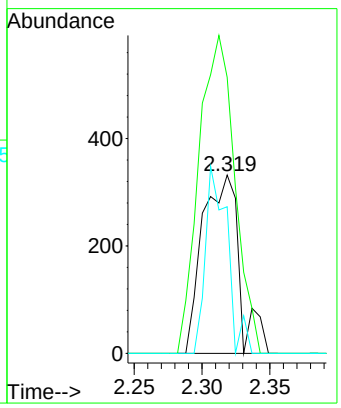





#12
1,1-Dichloroethene
Concen: 0.387 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 96 Resp: 625

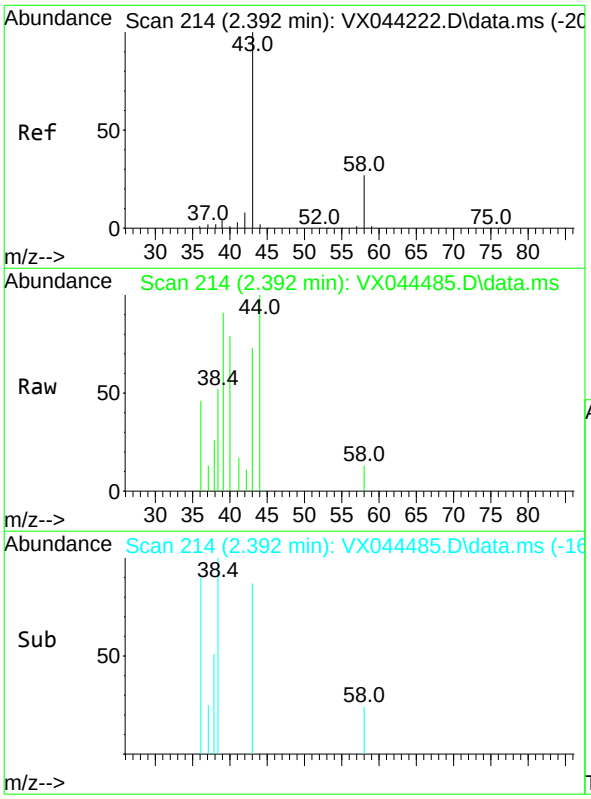
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.8 | 138.0 | 207.0 |
| 98 | 82.2 | 50.0 | 75.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations**
**APPROVED**

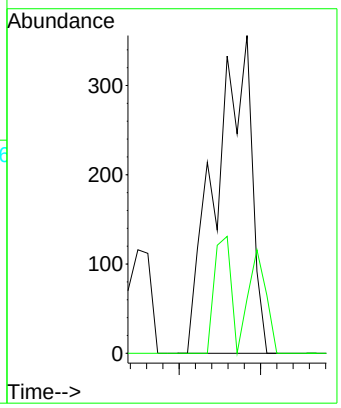
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

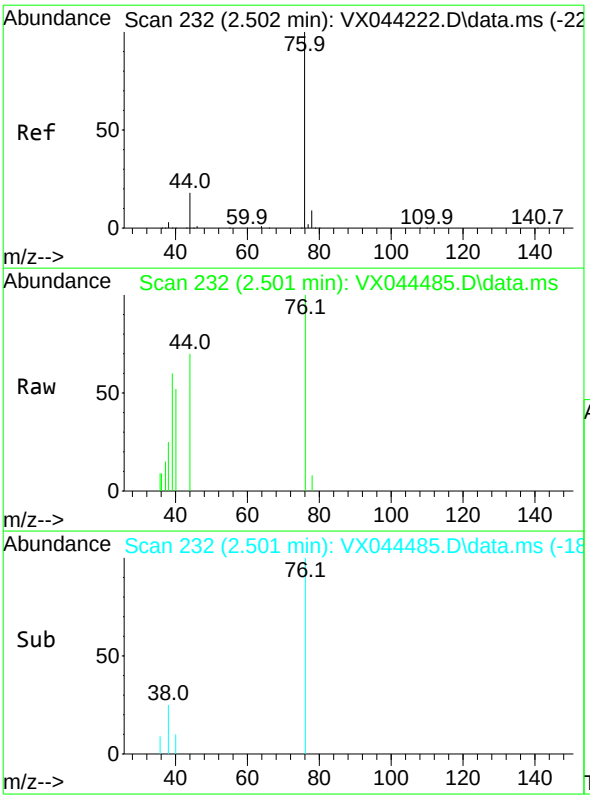



#16
Acetone
Concen: 0.531 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 43 Resp: 547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 17.1 | 21.6 | 32.4# |






#17
Carbon Disulfide
Concen: 0.421 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

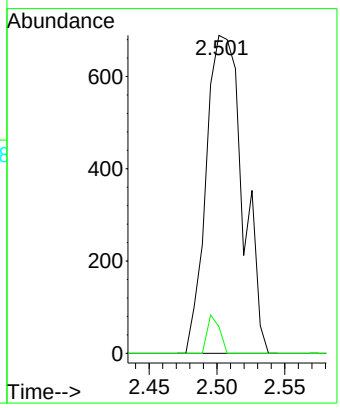
Tgt Ion: 76 Resp: 1291

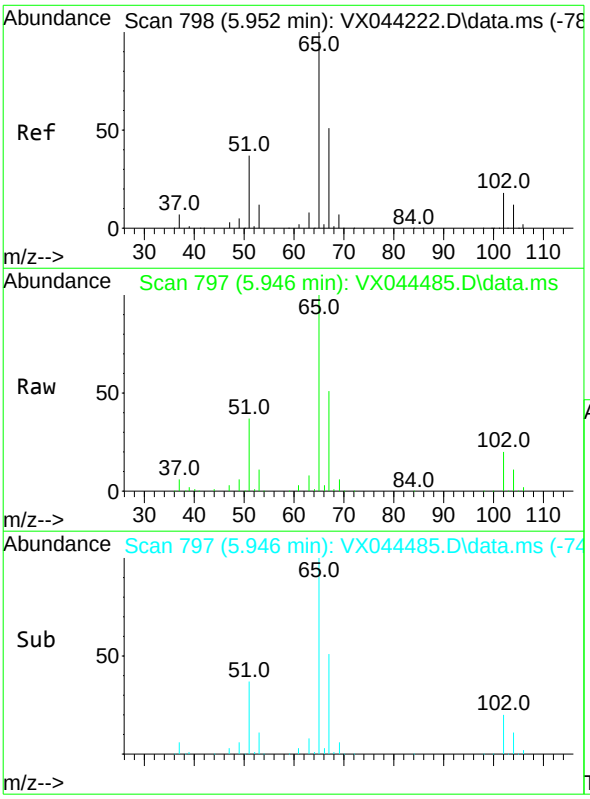
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

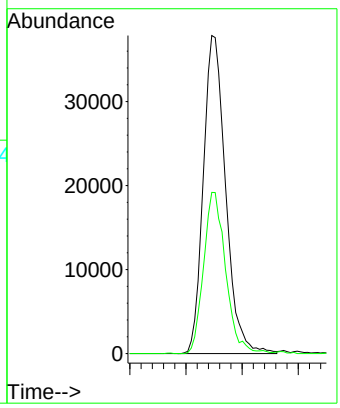


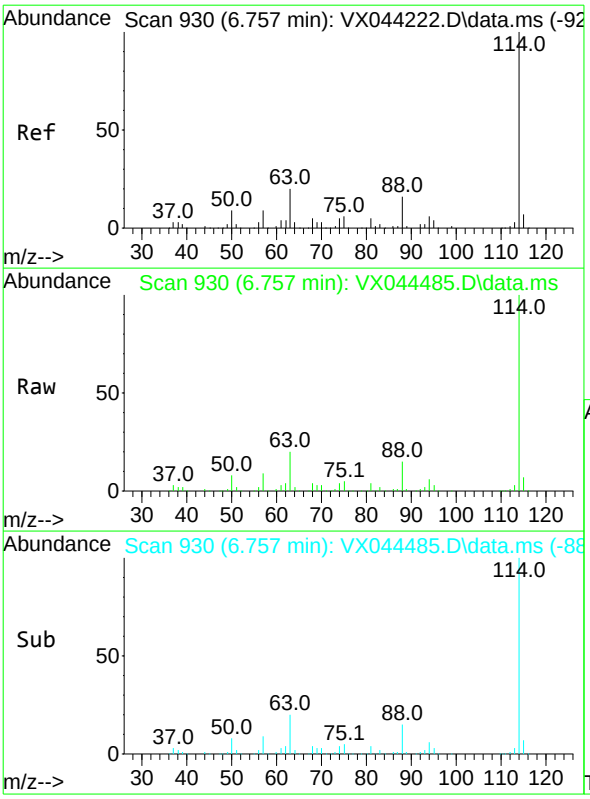




#33
1,2-Dichloroethane-d4
Concen: 41.374 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 65 Resp: 104514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.1 | 0.0 | 101.6 |






#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

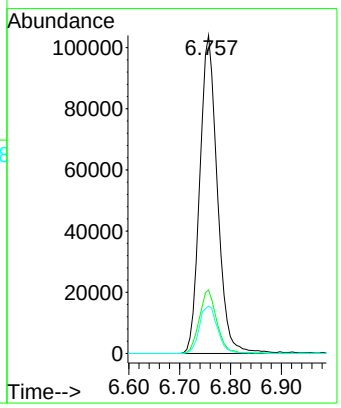
Tgt Ion:114 Resp: 249365

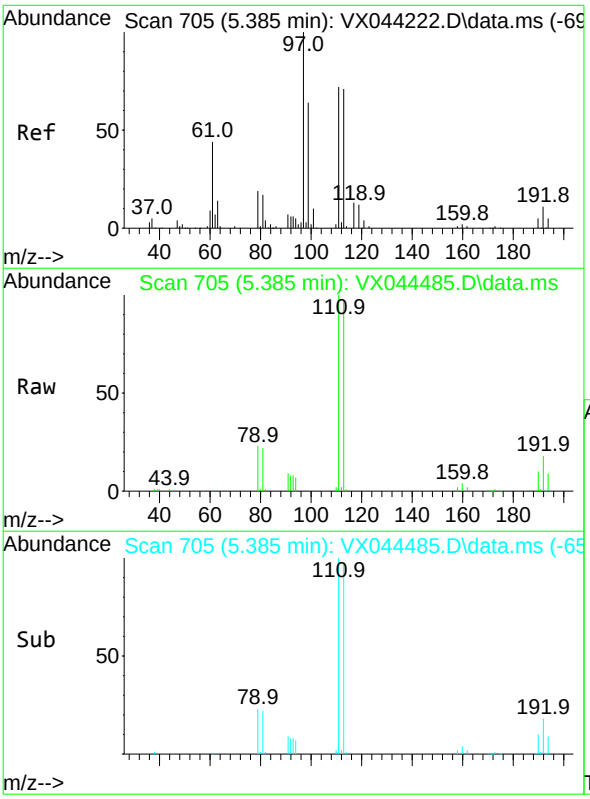
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 40.6 |
| 88 | 14.9 | 0.0 | 31.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

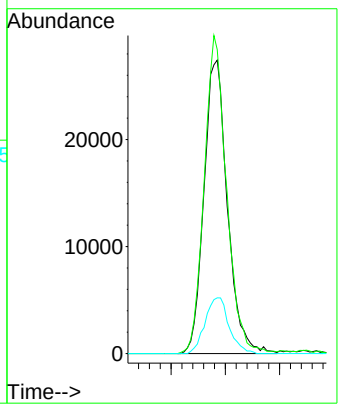


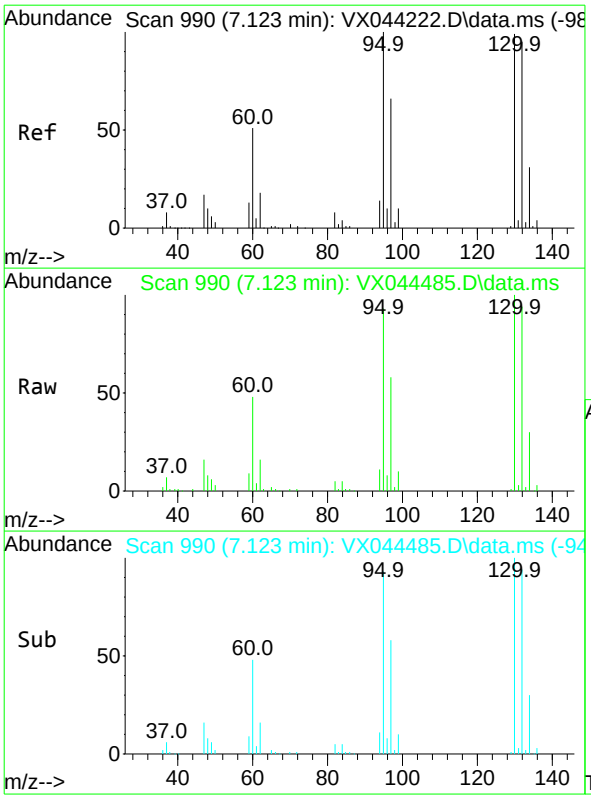




#35
Dibromofluoromethane
Concen: 47.788 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:113 Resp: 82534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 80.4 | 120.6 |
| 192 | 19.4 | 13.3 | 19.9 |






#44
Trichloroethene
Concen: 39.722 ug/l
RT: 7.123 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

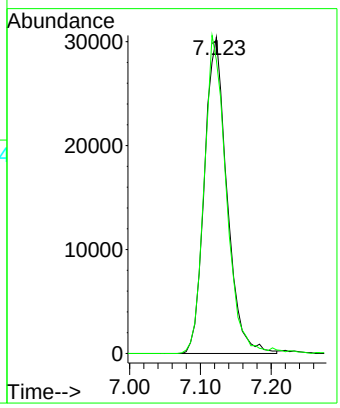
Tgt Ion:130 Resp: 67143

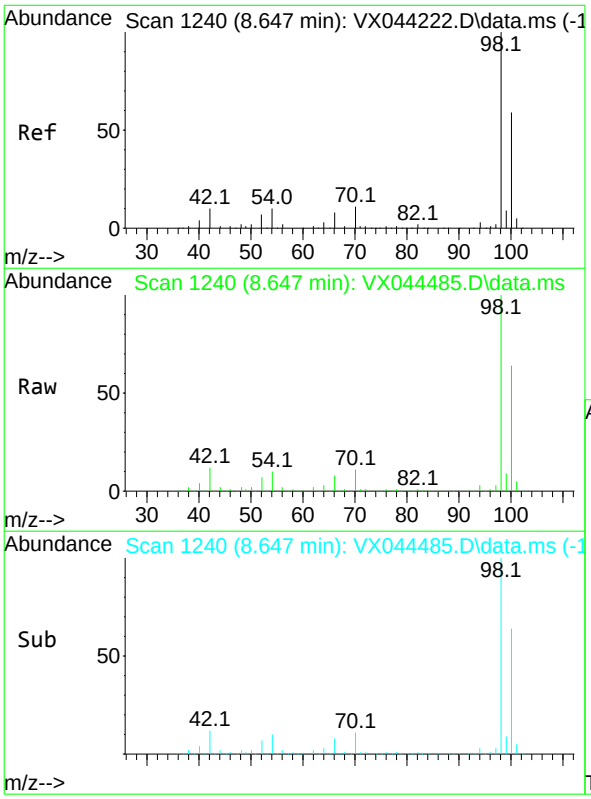
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 92.7 | 0.0 | 201.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

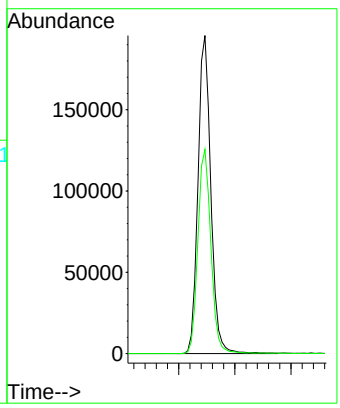


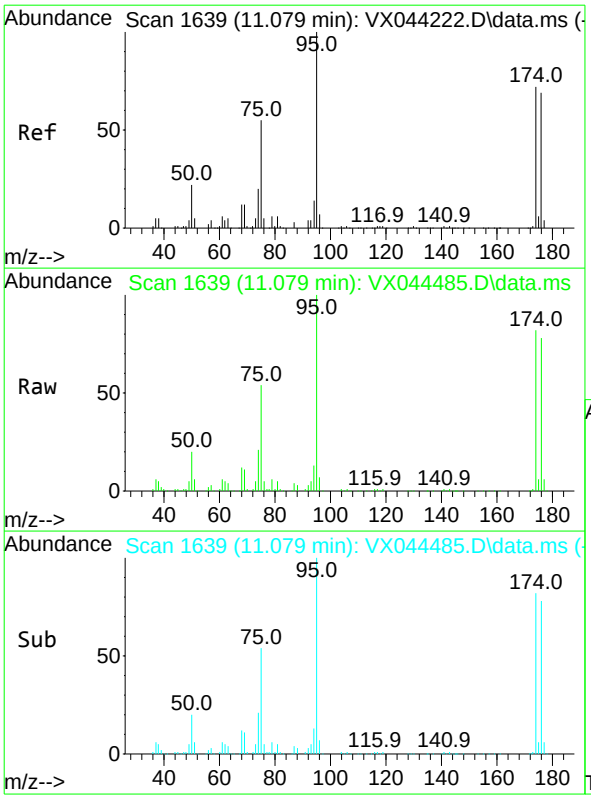




#50
Toluene-d8
Concen: 53.255 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 98 Resp: 310298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 51.5 | 77.3 |

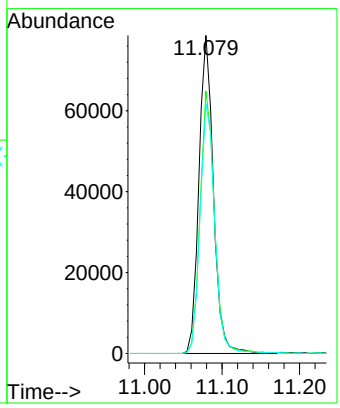





#62
4-Bromofluorobenzene
Concen: 50.220 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 95 Resp: 102247

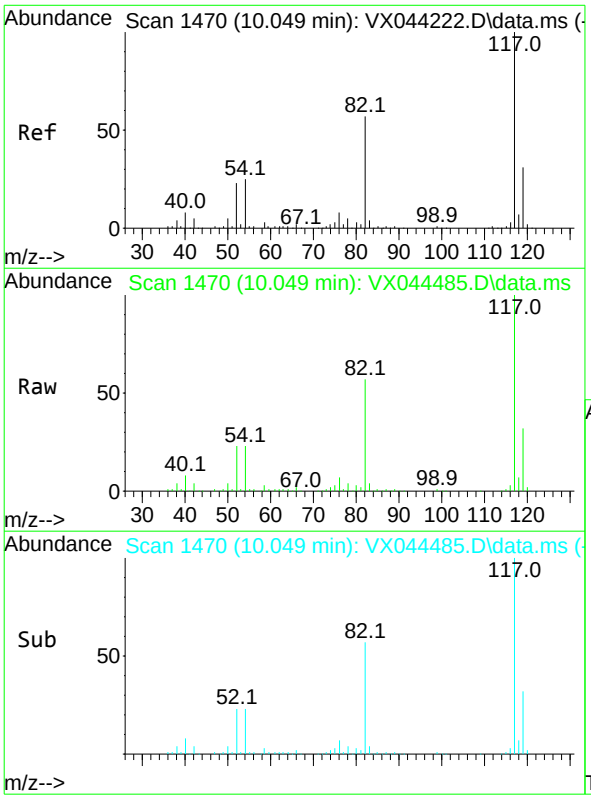
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.3 | 0.0 | 145.8 |
| 176 | 79.5 | 0.0 | 137.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations**
**APPROVED**

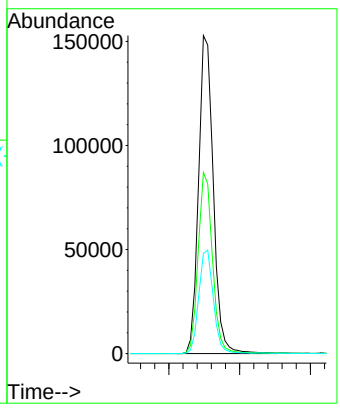
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

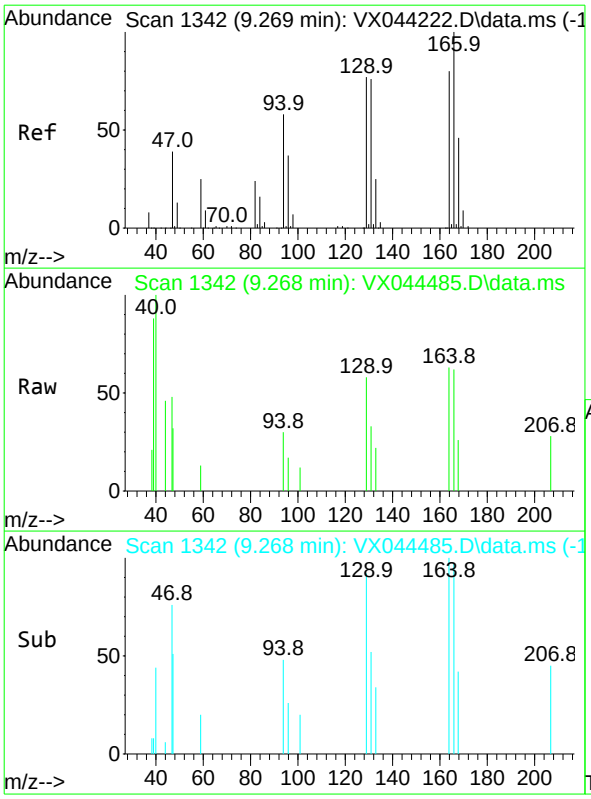



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:117 Resp: 221444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 45.8 | 68.8 |
| 119 | 31.5 | 25.0 | 37.4 |

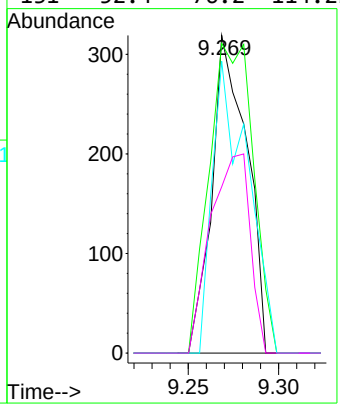





#64
Tetrachloroethene
Concen: 0.291 ug/l
RT: 9.268 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:164 Resp: 428

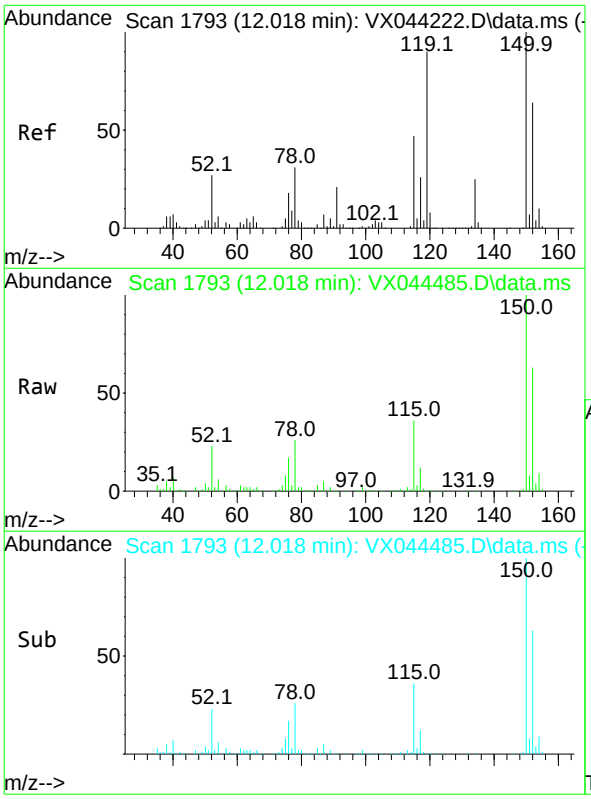
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 97.5 | 100.4 | 150.6# |
| 129 | 91.8 | 77.2 | 115.8 |
| 131 | 52.4 | 76.2 | 114.2# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations**
**APPROVED**

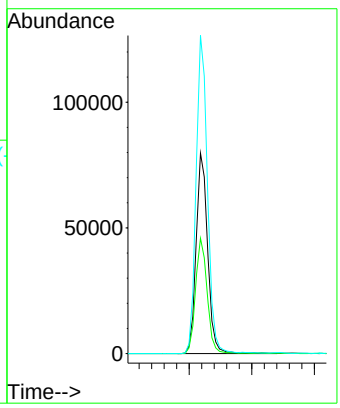
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

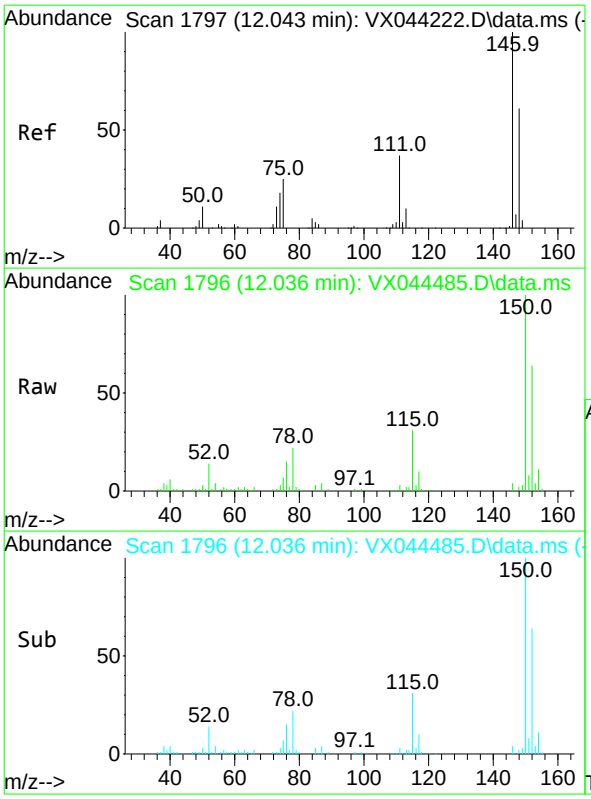



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:152 Resp: 102248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.8 | 44.5 | 133.3 |
| 150 | 156.2 | 0.0 | 353.8 |

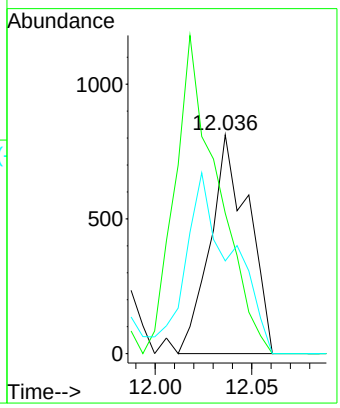





#88
1,4-Dichlorobenzene
Concen: 0.329 ug/l m
RT: 12.036 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:146 Resp: 1120

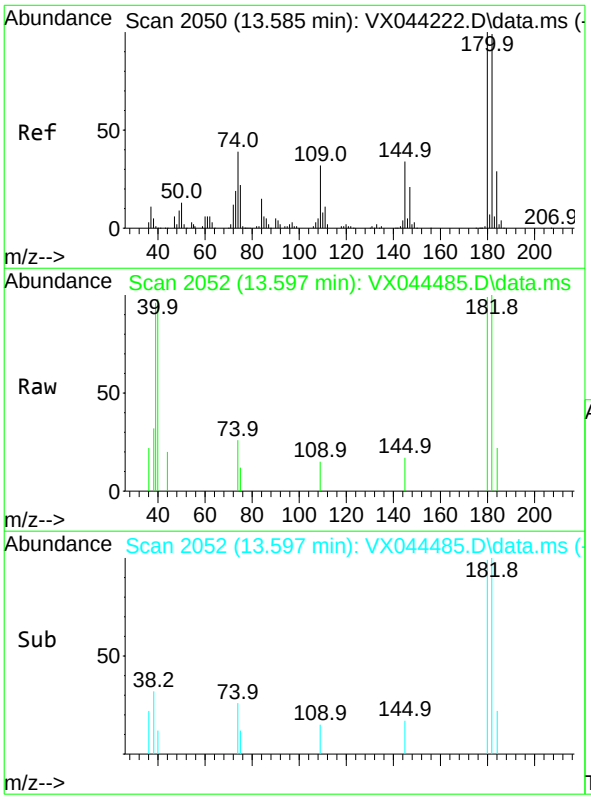
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 24.2 | 21.0 | 63.0 |
| 148 | 47.4 | 32.3 | 96.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations**
**APPROVED**

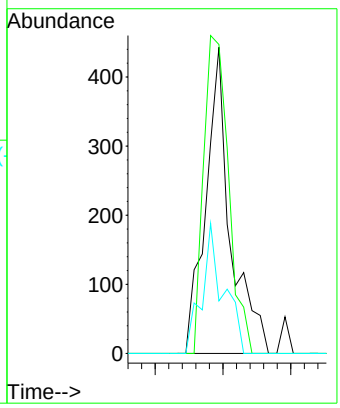
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

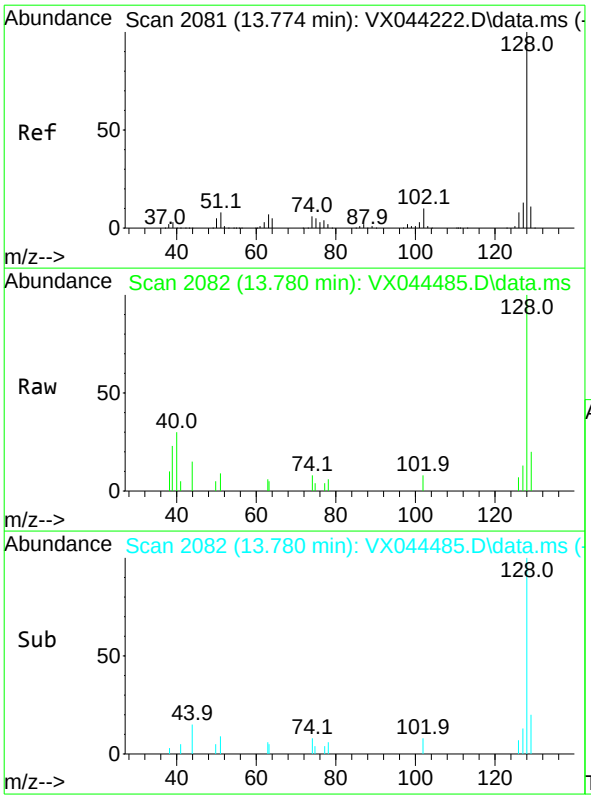



#93
1,2,4-Trichlorobenzene
Concen: 0.297 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:180 Resp: 560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 104.6 | 48.0 | 144.2 |
| 145 | 37.0 | 16.6 | 49.7 |

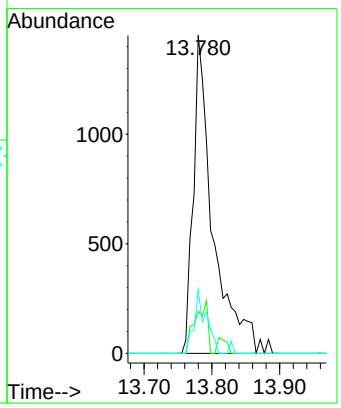





#95
Naphthalene
Concen: 0.400 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:128 Resp: 2946

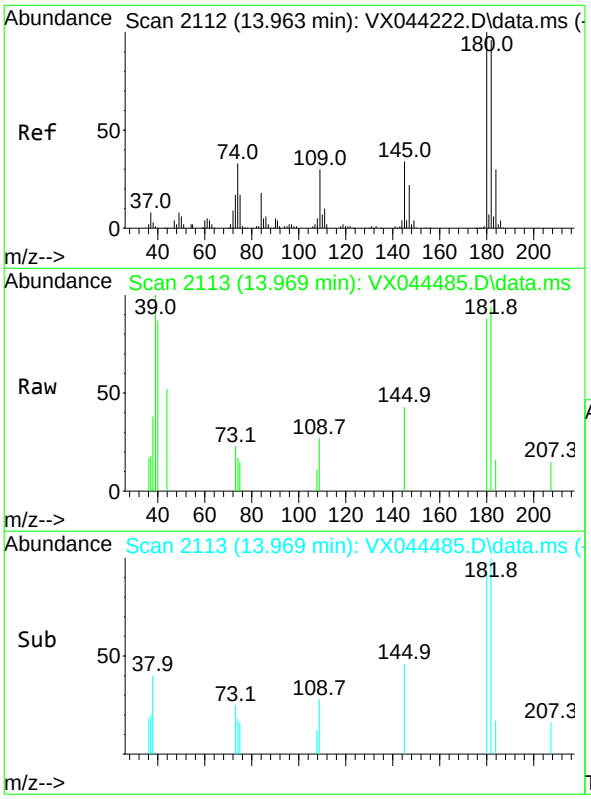
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 10.6 | 10.5 | 15.7 |
| 129 | 12.4 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D6-20241217

**Manual Integrations**
**APPROVED**

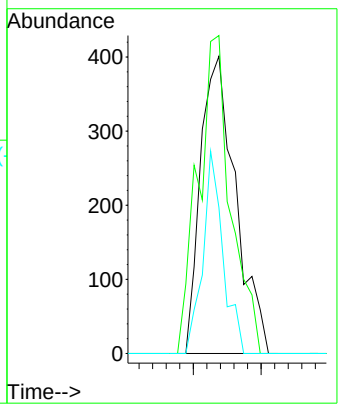
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024




#96
1,2,3-Trichlorobenzene
Concen: 0.360 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:180 Resp: 720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.2 | 48.0 | 144.0 |
| 145 | 38.8 | 17.7 | 53.1 |



Raw Data: **VX044486.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D7-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-22 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044486.D | 40 | | 12/23/24 17:31 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 20.0 | U | 8.40 | 20.0 | 40.0 | ug/L |
| 74-87-3 | Chloromethane | 20.0 | U | 14.0 | 20.0 | 40.0 | ug/L |
| 75-01-4 | Vinyl Chloride | 30.0 | U | 13.6 | 30.0 | 40.0 | ug/L |
| 74-83-9 | Bromomethane | 150 | U | 54.4 | 150 | 200 | ug/L |
| 75-00-3 | Chloroethane | 30.0 | U | 22.4 | 30.0 | 40.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 20.0 | U | 13.6 | 20.0 | 40.0 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 17.4 | J | 10.0 | 20.0 | 40.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 30.0 | U | 10.4 | 30.0 | 40.0 | ug/L |
| 67-64-1 | Acetone | 150 | U | 55.6 | 150 | 200 | ug/L |
| 75-15-0 | Carbon Disulfide | 30.0 | U | 12.8 | 30.0 | 40.0 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 79-20-9 | Methyl Acetate | 30.0 | U | 24.0 | 30.0 | 40.0 | ug/L |
| 75-09-2 | Methylene Chloride | 20.0 | U | 12.8 | 20.0 | 40.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 20.0 | U | 10.0 | 20.0 | 40.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 20.0 | U | 9.20 | 20.0 | 40.0 | ug/L |
| 110-82-7 | Cyclohexane | 100 | U | 64.8 | 100 | 200 | ug/L |
| 78-93-3 | 2-Butanone | 100 | U | 52.0 | 100 | 200 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 20.0 | U | 10.0 | 20.0 | 40.0 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 30.0 | U | 10.0 | 30.0 | 40.0 | ug/L |
| 74-97-5 | Bromochloromethane | 20.0 | U | 7.20 | 20.0 | 40.0 | ug/L |
| 67-66-3 | Chloroform | 20.0 | U | 10.4 | 20.0 | 40.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 20.0 | U | 7.60 | 20.0 | 40.0 | ug/L |
| 108-87-2 | Methylcyclohexane | 20.0 | U | 7.60 | 20.0 | 40.0 | ug/L |
| 71-43-2 | Benzene | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.0 | U | 9.60 | 20.0 | 40.0 | ug/L |
| 79-01-6 | Trichloroethene | 1100 | | 12.8 | 30.0 | 40.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 20.0 | U | 7.60 | 20.0 | 40.0 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.0 | U | 9.60 | 20.0 | 40.0 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | U | 30.0 | 100 | 200 | ug/L |
| 108-88-3 | Toluene | 20.0 | U | 7.20 | 20.0 | 40.0 | ug/L |

Raw Data: **VX044486.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D7-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-22 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044486.D | 40 | | 12/23/24 17:31 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 20.0 | U | 8.40 | 20.0 | 40.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.0 | U | 7.20 | 20.0 | 40.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.0 | U | 8.40 | 20.0 | 40.0 | ug/L |
| 591-78-6 | 2-Hexanone | 100 | U | 45.2 | 100 | 200 | ug/L |
| 124-48-1 | Dibromochloromethane | 20.0 | U | 7.20 | 20.0 | 40.0 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 127-18-4 | Tetrachloroethene | 20.0 | U | 10.0 | 20.0 | 40.0 | ug/L |
| 108-90-7 | Chlorobenzene | 20.0 | U | 5.20 | 20.0 | 40.0 | ug/L |
| 100-41-4 | Ethyl Benzene | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 179601-23-1 | m/p-Xylenes | 40.0 | U | 12.4 | 40.0 | 80.0 | ug/L |
| 95-47-6 | o-Xylene | 20.0 | U | 5.60 | 20.0 | 40.0 | ug/L |
| 100-42-5 | Styrene | 20.0 | U | 6.40 | 20.0 | 40.0 | ug/L |
| 75-25-2 | Bromoform | 20.0 | U | 8.40 | 20.0 | 40.0 | ug/L |
| 98-82-8 | Isopropylbenzene | 20.0 | U | 5.20 | 20.0 | 40.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.0 | U | 10.8 | 20.0 | 40.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.0 | U | 9.60 | 20.0 | 40.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 20.0 | U | 10.8 | 20.0 | 40.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 20.0 | U | 7.60 | 20.0 | 40.0 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 30.0 | U | 18.4 | 30.0 | 40.0 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.0 | U | 16.8 | 20.0 | 40.0 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 30.0 | U | 20.4 | 30.0 | 40.0 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 42.0 | | 81 - 118 | | 84% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.2 | | 80 - 119 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 53.0 | | 89 - 112 | | 106% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.7 | | 85 - 114 | | 103% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 147000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 250000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 213000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 100000 | 12.018 | | | | |

Raw Data: **VX044486.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D7-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-22 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044486.D | 40 | | 12/23/24 17:31 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044486.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044486.D
Acq On : 23 Dec 2024 17:31
Operator : JC/MD
Sample : P5317-22 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D7-20241217

Quant Time: Dec 23 22:13:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 146702 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 250392 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 212795 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 100422 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 108155 | 42.048 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 84.100% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 87011 | 50.174 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.340% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 310122 | 53.006 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 106.020% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 105608 | 51.658 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 103.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 778 | 0.435 | ug/l # | 89 |
| 16) Acetone | 2.386 | 43 | 458 | 0.437 | ug/l # | 78 |
| 44) Trichloroethene | 7.123 | 130 | 48195 | 28.396 | ug/l | 97 |

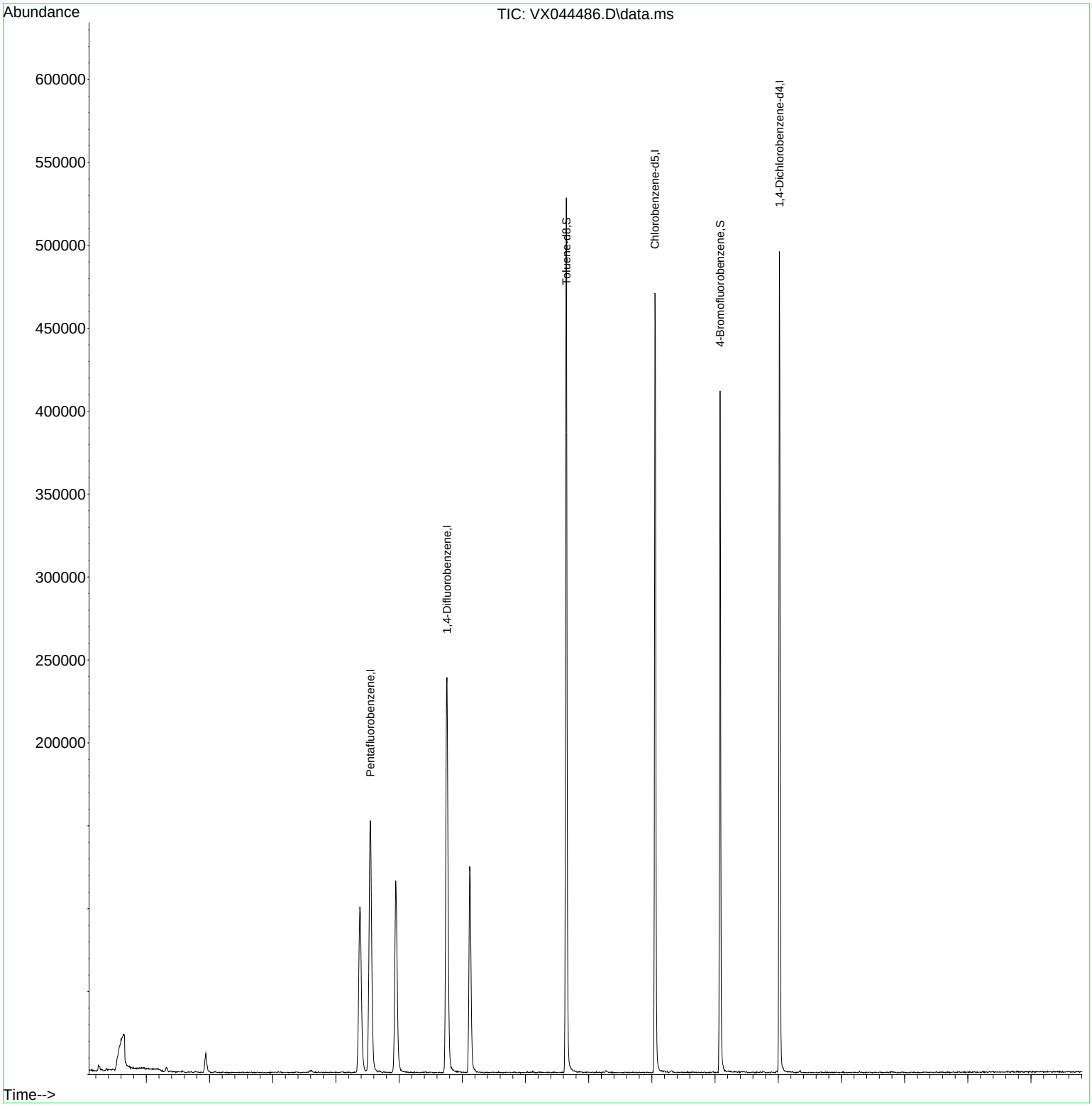
(#) = qualifier out of range (m) = manual integration (+) = signals summed

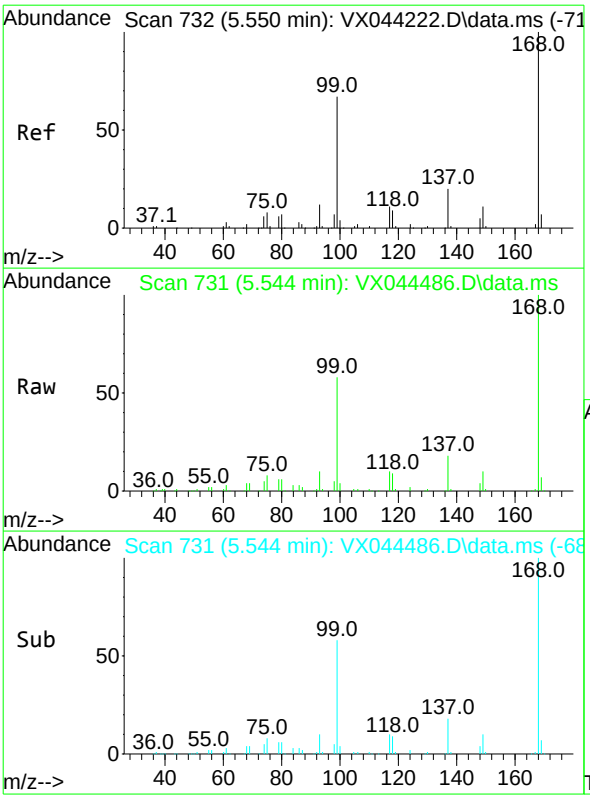
Sample Results: **VX044486.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044486.D
Acq On : 23 Dec 2024 17:31
Operator : JC/MD
Sample : P5317-22 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D7-20241217

Quant Time: Dec 23 22:13:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



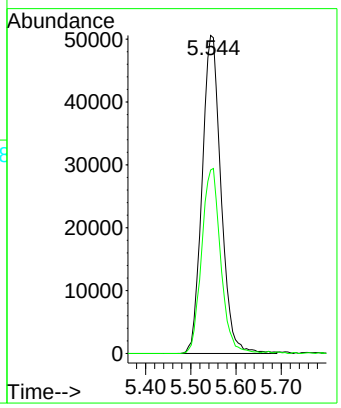


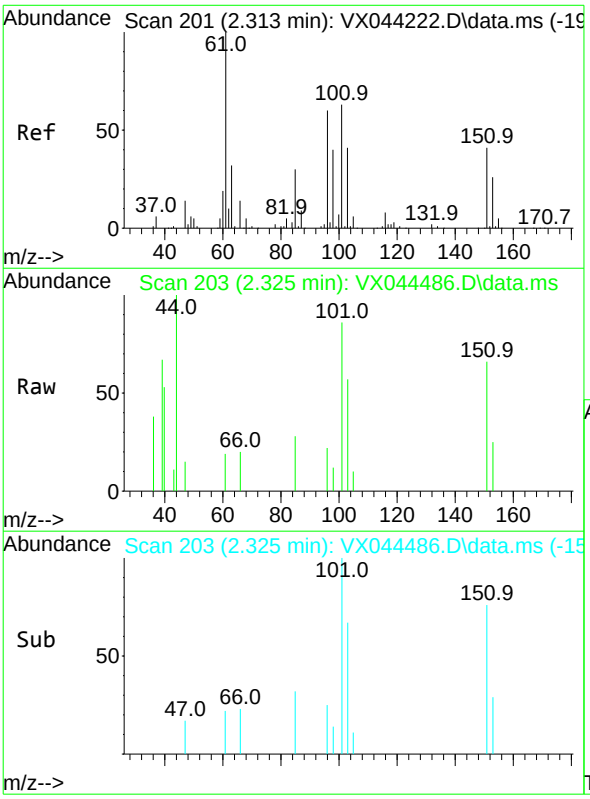

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D7-20241217

Tgt Ion:168 Resp: 146702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.7 | 53.4 | 80.0 |

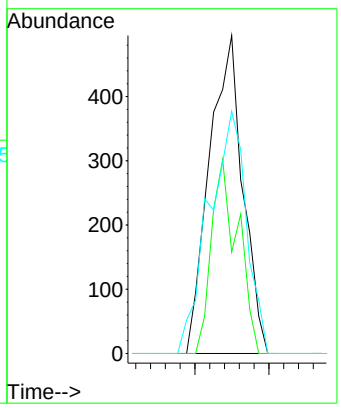


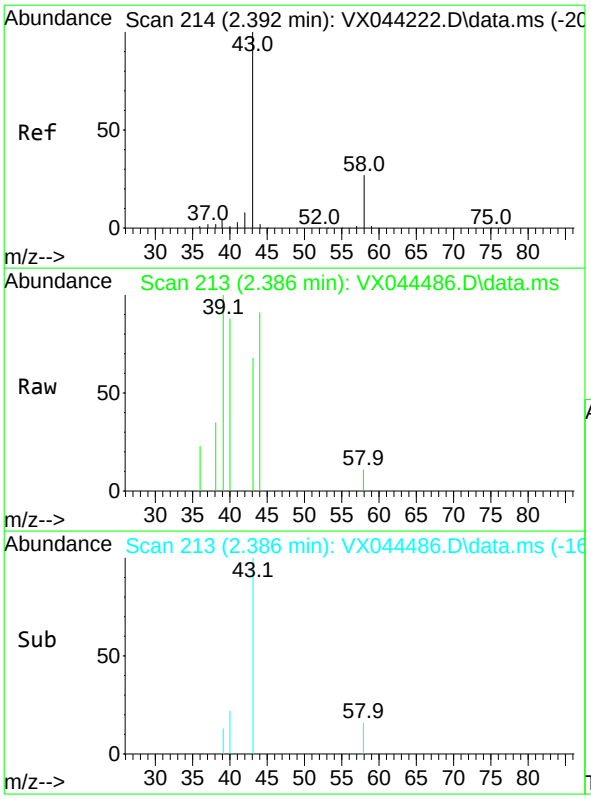




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.435 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

Tgt Ion:101 Resp: 778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.3 | 38.5 | 57.7 |
| 151 | 85.3 | 55.8 | 83.6# |



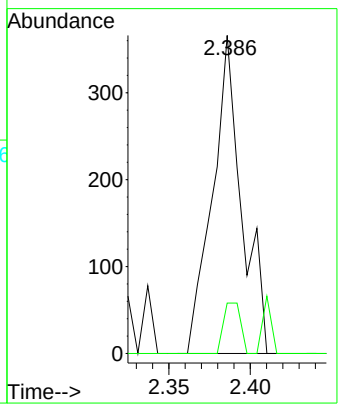


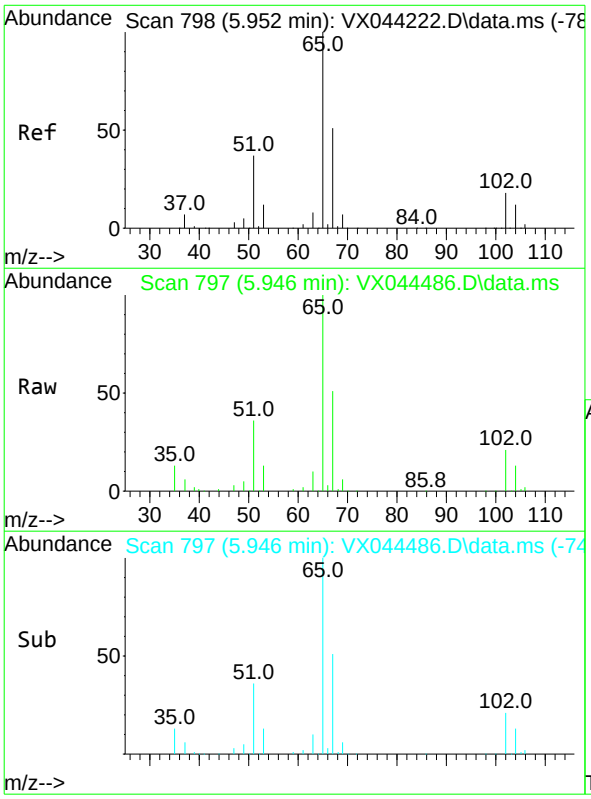

#16
Acetone
Concen: 0.437 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D7-20241217

Tgt Ion: 43 Resp: 458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 15.8 | 21.6 | 32.4# |

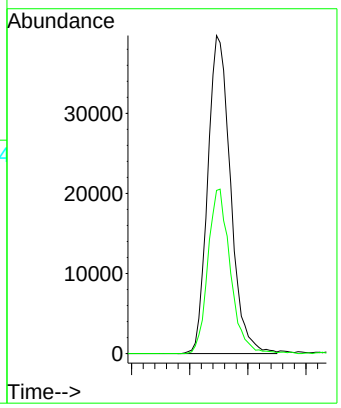


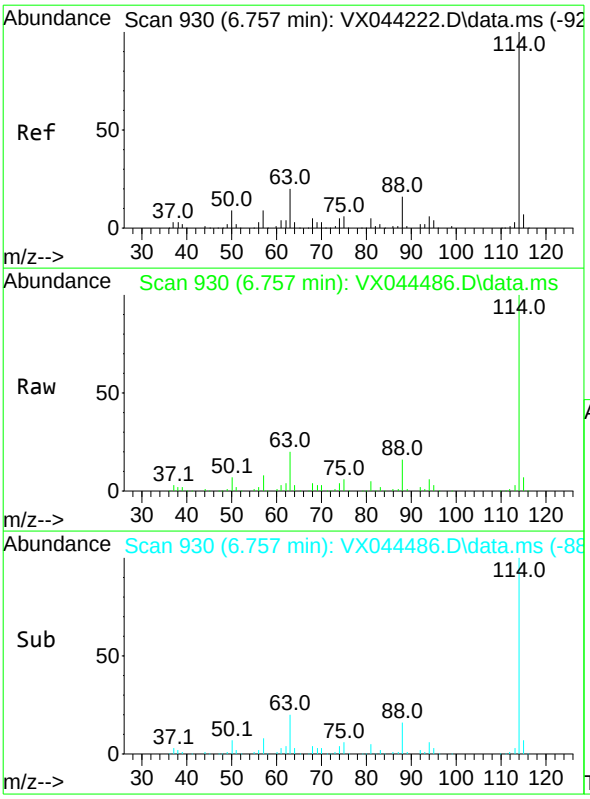




#33
1,2-Dichloroethane-d4
Concen: 42.048 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

Tgt Ion: 65 Resp: 108155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.8 | 0.0 | 101.6 |



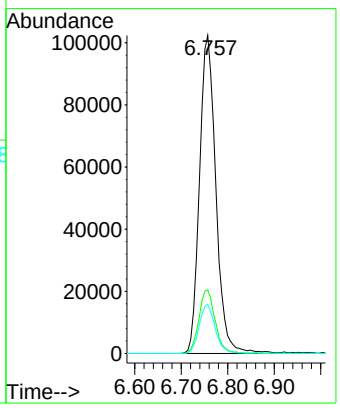


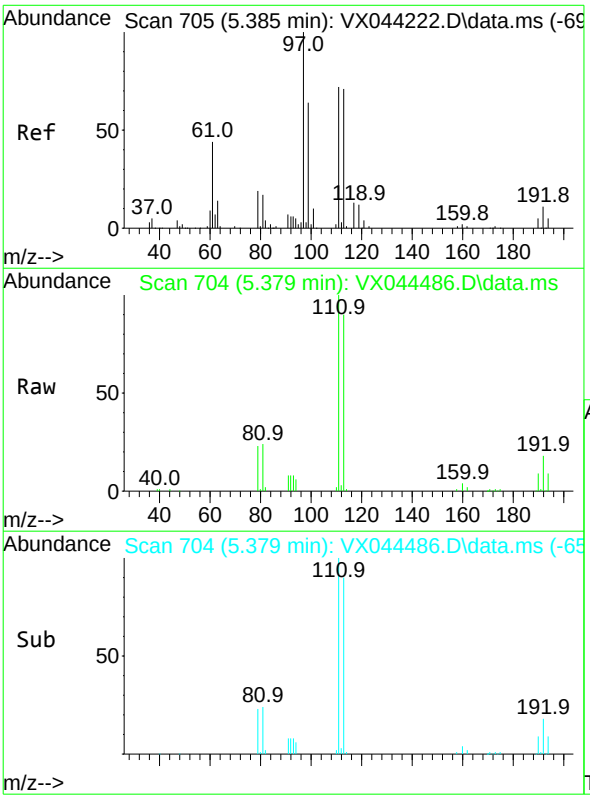

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D7-20241217

Tgt Ion:114 Resp: 250392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 40.6 |
| 88 | 15.5 | 0.0 | 31.8 |

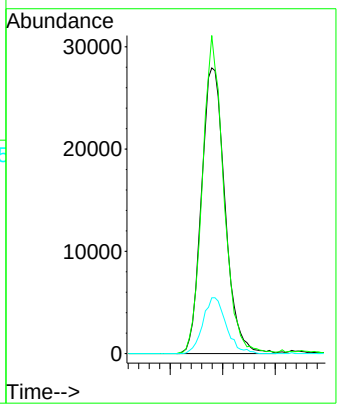


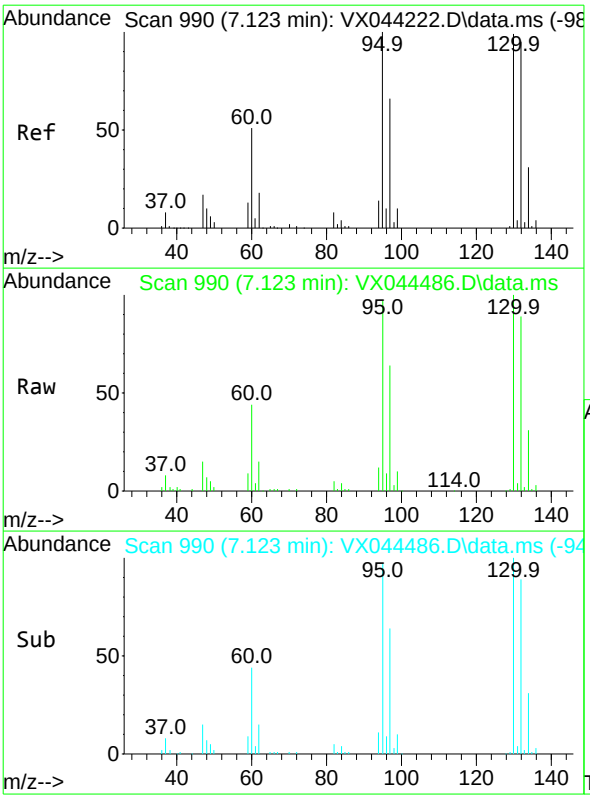




#35
Dibromofluoromethane
Concen: 50.174 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

Tgt Ion:113 Resp: 87011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.9 | 80.4 | 120.6 |
| 192 | 19.3 | 13.3 | 19.9 |



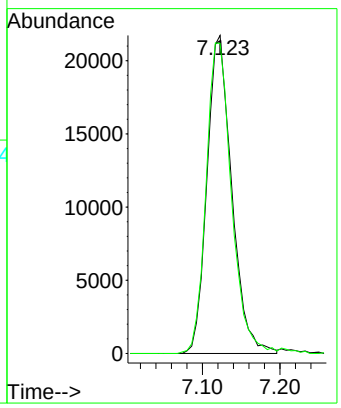


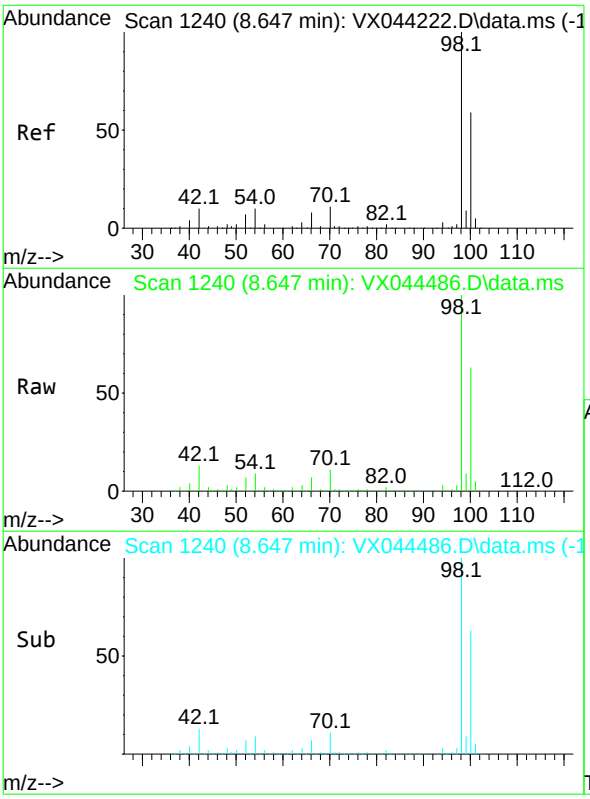

#44
Trichloroethene
Concen: 28.396 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D7-20241217

Tgt Ion:130 Resp: 48195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.5 | 0.0 | 201.4 |

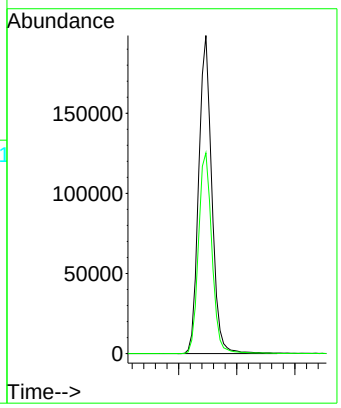


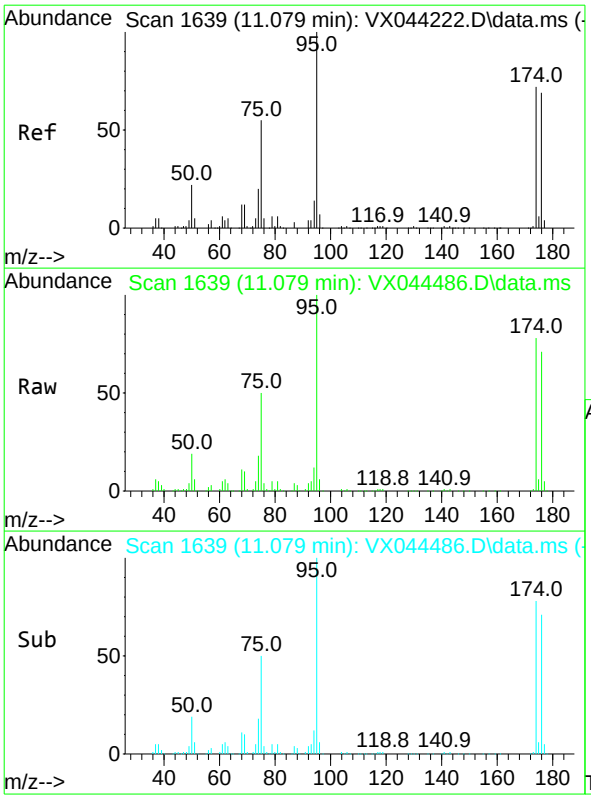




#50
Toluene-d8
Concen: 53.006 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

Tgt Ion: 98 Resp: 310122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 51.5 | 77.3 |



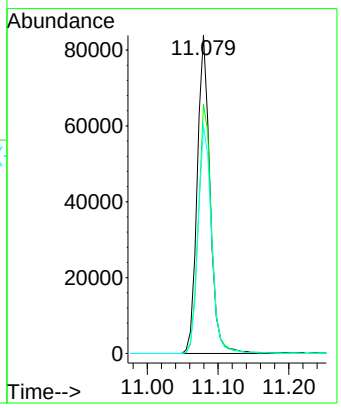


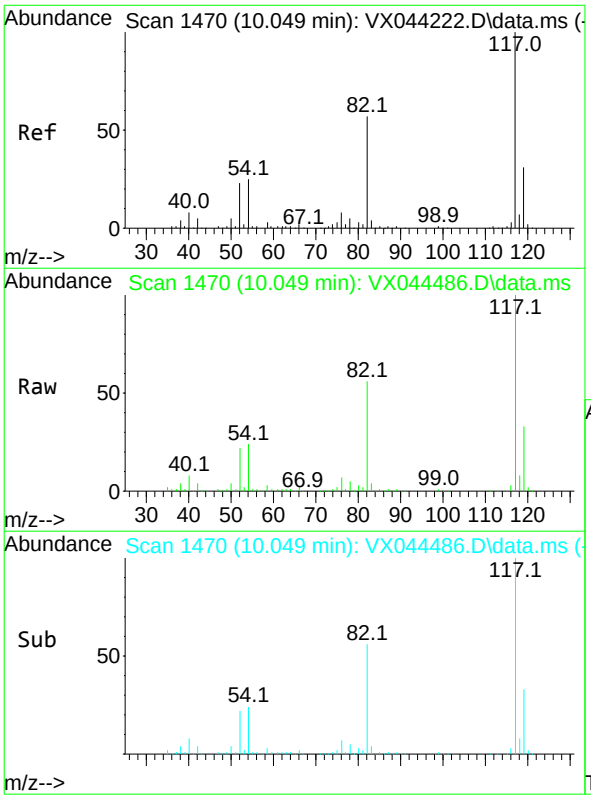

#62
4-Bromofluorobenzene
Concen: 51.658 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D7-20241217

Tgt Ion: 95 Resp: 105608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.7 | 0.0 | 145.8 |
| 176 | 75.0 | 0.0 | 137.8 |

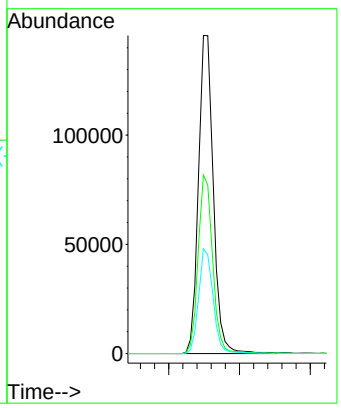


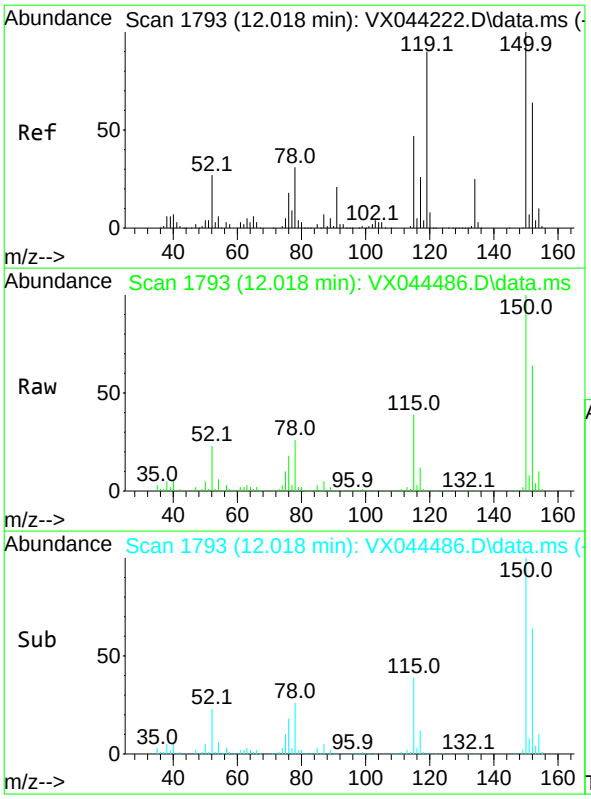




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

Tgt Ion:117 Resp: 212795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.1 | 45.8 | 68.8 |
| 119 | 33.0 | 25.0 | 37.4 |



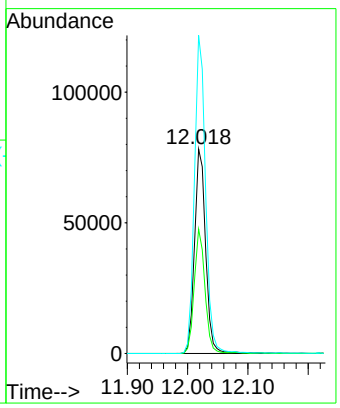



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044486.D
Acq: 23 Dec 2024 17:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D7-20241217

Tgt Ion:152 Resp: 100422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.4 | 44.5 | 133.3 |
| 150 | 155.7 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TB | SDG No.: | P5317 |
| Lab Sample ID: | P5317-23 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044415.D | 1 | | 12/19/24 05:41 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.37 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.32 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TB | SDG No.: | P5317 |
| Lab Sample ID: | P5317-23 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044415.D | 1 | | 12/19/24 05:41 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.4 | | 81 - 118 | | 89% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.5 | | 80 - 119 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.5 | | 89 - 112 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.2 | | 85 - 114 | | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 109000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 198000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 171000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 68400 | 12.024 | | | | |

Raw Data: **VX044415.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | TB | SDG No.: | P5317 |
| Lab Sample ID: | P5317-23 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044415.D | 1 | | 12/19/24 05:41 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044415.D
Acq On : 19 Dec 2024 05:41
Operator : JC/MD
Sample : P5317-23
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB

Quant Time: Dec 19 06:41:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

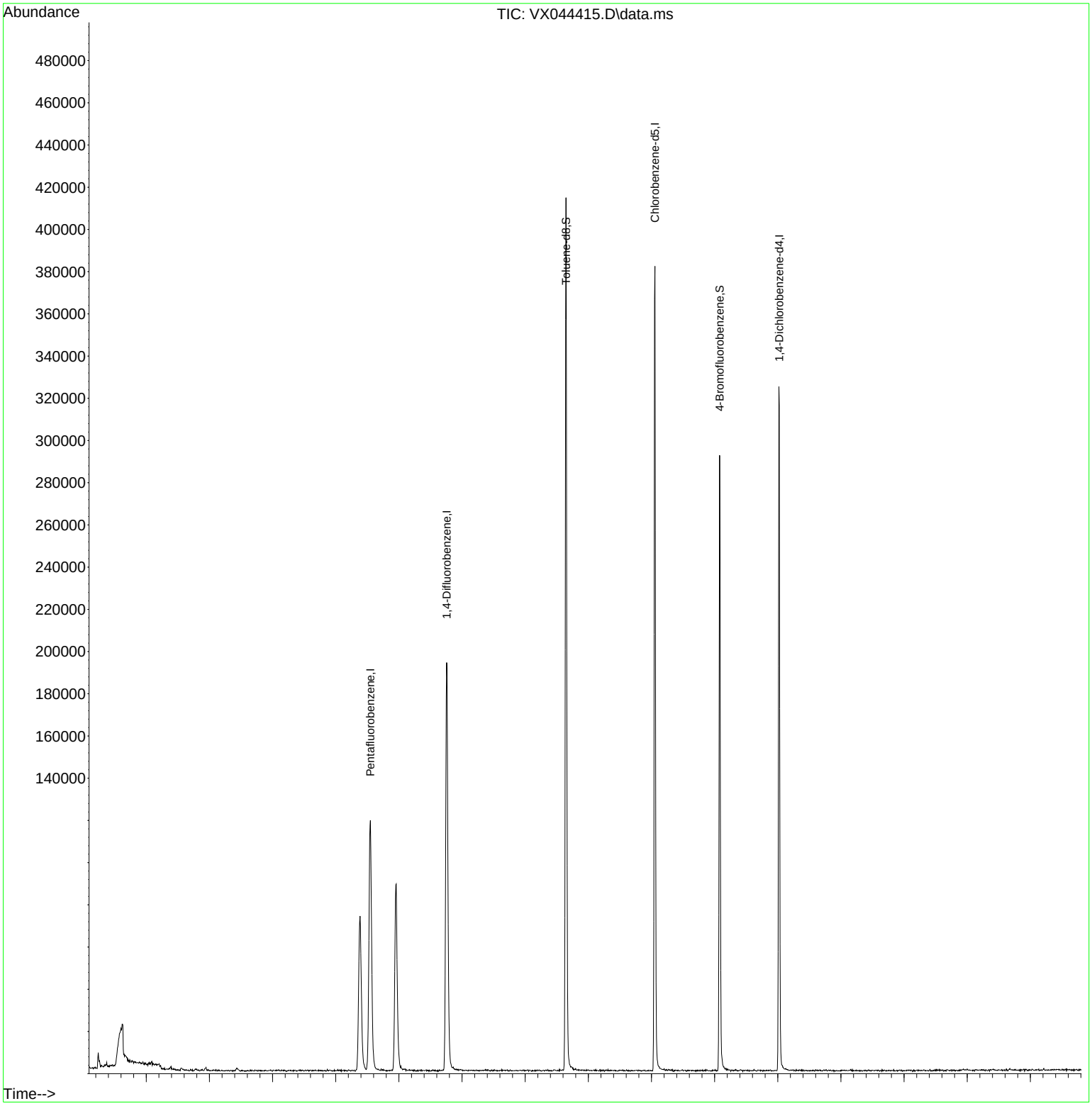
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 109432 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 198449 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 170843 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 68420 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 85281 | 44.447 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 88.900% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 63884 | 46.480 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 92.960% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 238815 | 51.502 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.000% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 74913 | 46.235 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 92.460% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.300 | 50 | 599 | 0.370 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 948 | 1.212 | ug/l | 90 |
| 20) Methylene Chloride | 2.788 | 84 | 463 | 0.315 | ug/l # | 78 |

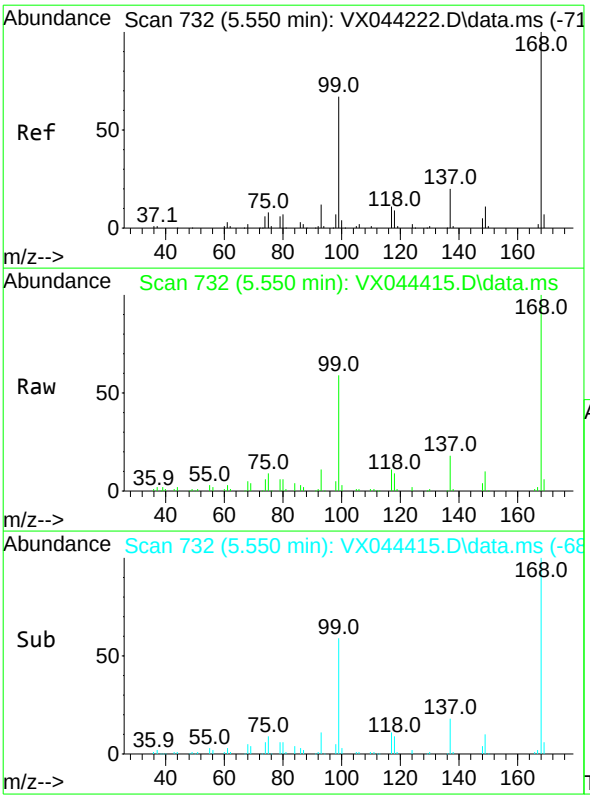
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044415.D
Acq On : 19 Dec 2024 05:41
Operator : JC/MD
Sample : P5317-23
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB

Quant Time: Dec 19 06:41:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



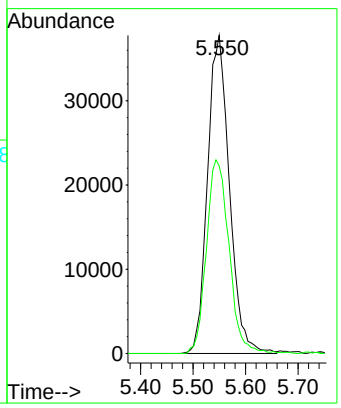


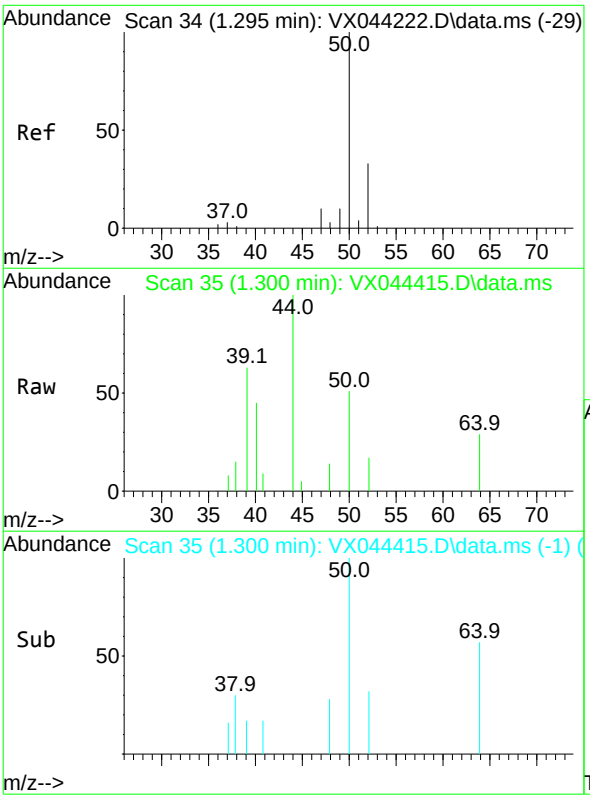

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB

Tgt Ion:168 Resp: 109432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.0 | 53.4 | 80.0 |

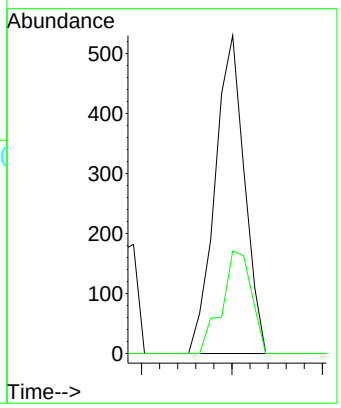


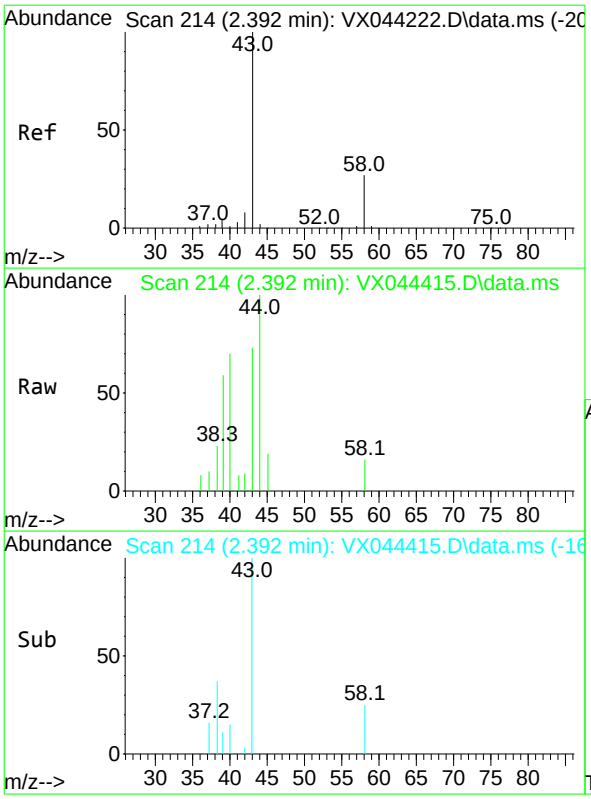




#3
Chloromethane
Concen: 0.370 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

Tgt Ion: 50 Resp: 599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 26.5 | 39.7 |



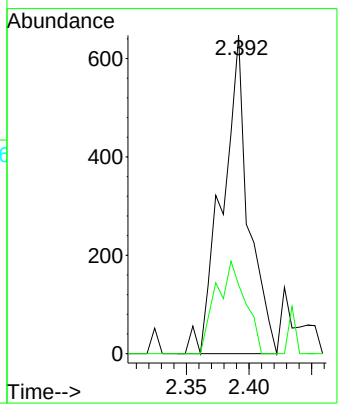


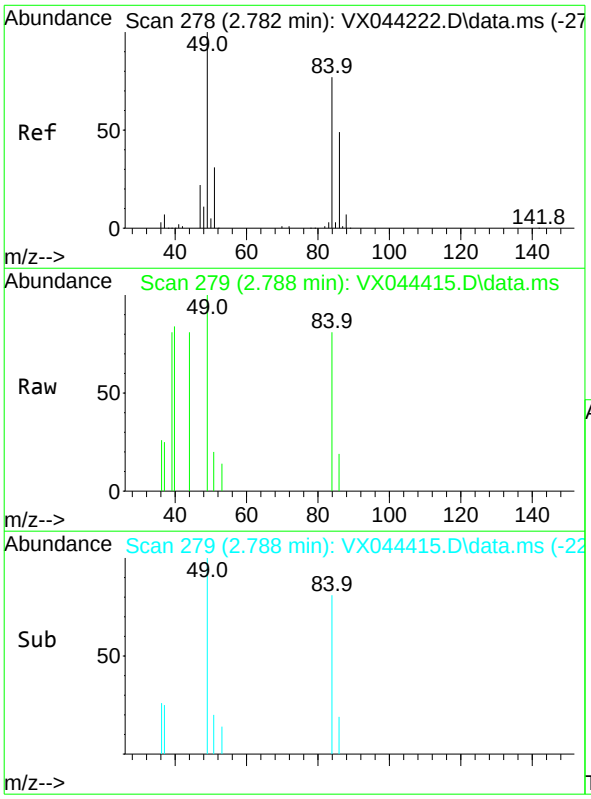

#16
Acetone
Concen: 1.212 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB

Tgt Ion: 43 Resp: 948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.6 | 21.6 | 32.4 |

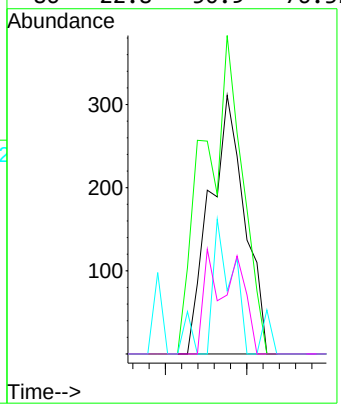


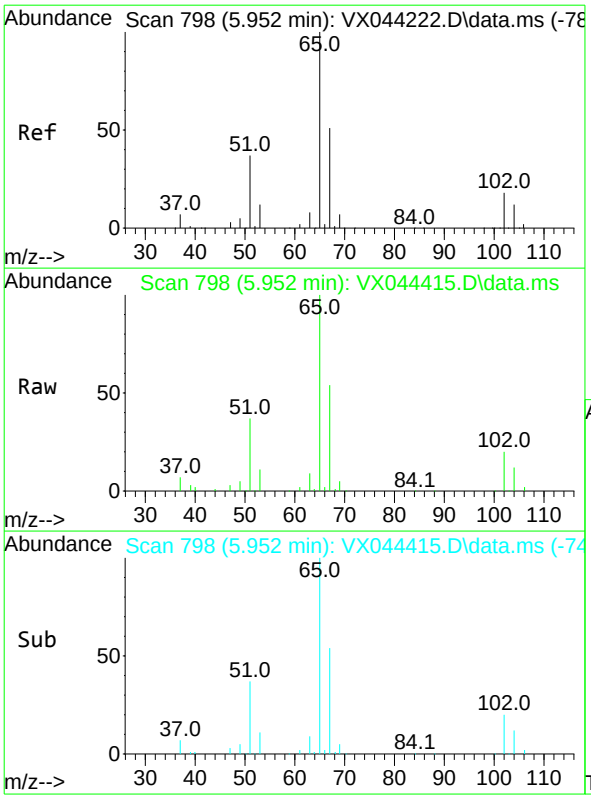




#20
Methylene Chloride
Concen: 0.315 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

Tgt Ion: 84 Resp: 463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.2 | 104.2 | 156.4 |
| 51 | 24.4 | 32.2 | 48.4# |
| 86 | 22.8 | 50.9 | 76.3# |



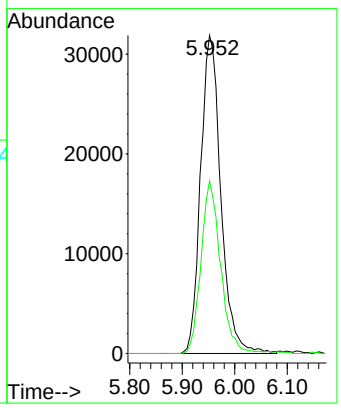


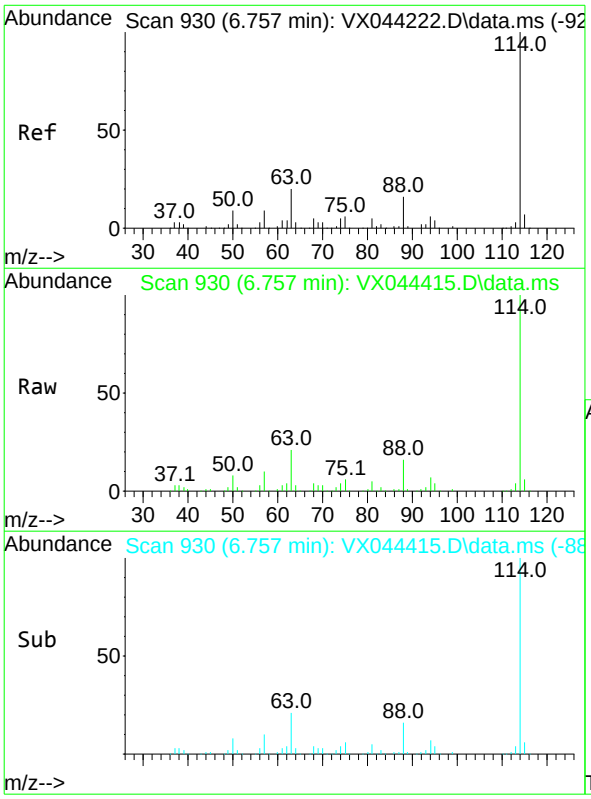

#33
1,2-Dichloroethane-d4
Concen: 44.447 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB

Tgt Ion: 65 Resp: 85281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 101.6 |

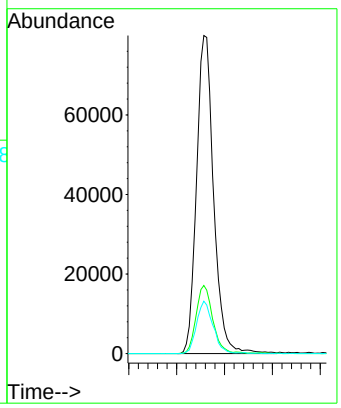


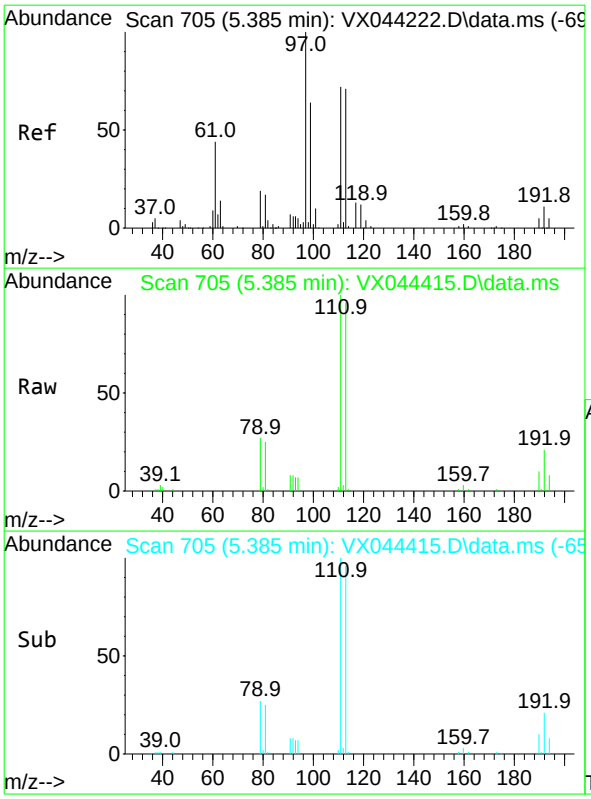




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

Tgt Ion:114 Resp: 198449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 40.6 |
| 88 | 16.5 | 0.0 | 31.8 |



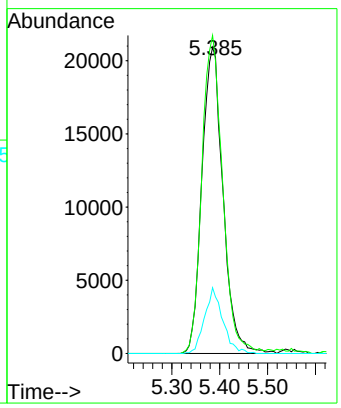


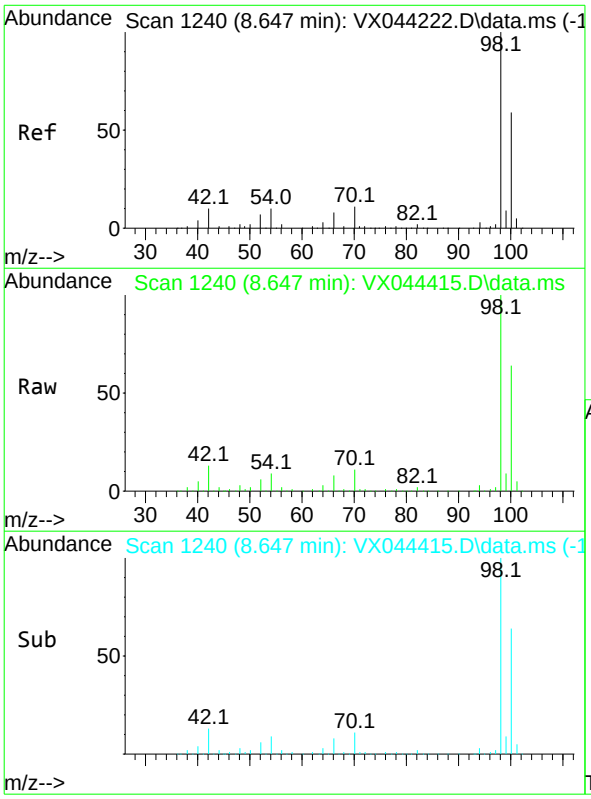

#35
Dibromofluoromethane
Concen: 46.480 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB

Tgt Ion:113 Resp: 63884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 80.4 | 120.6 |
| 192 | 18.6 | 13.3 | 19.9 |

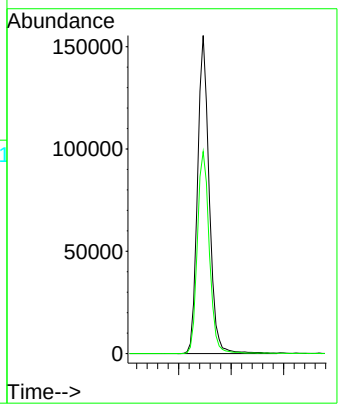


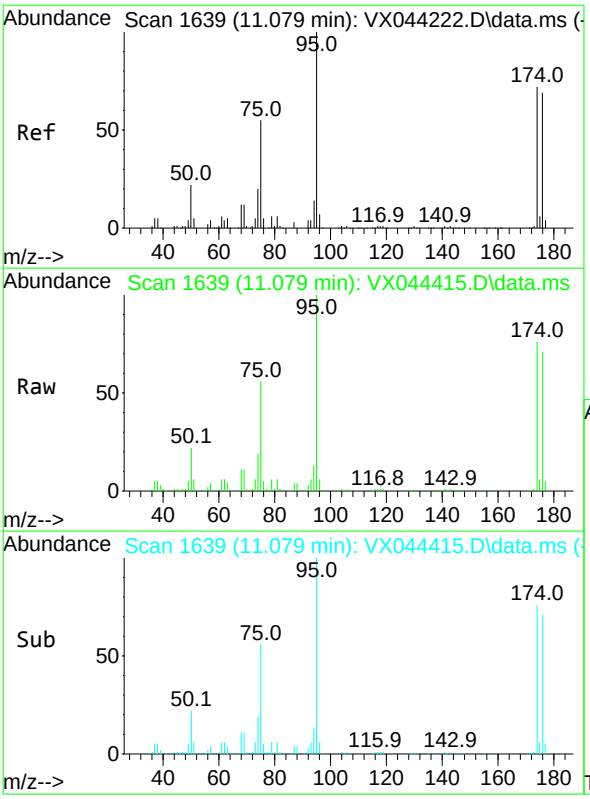




#50
Toluene-d8
Concen: 51.502 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

Tgt Ion: 98 Resp: 238815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.3 | 51.5 | 77.3 |



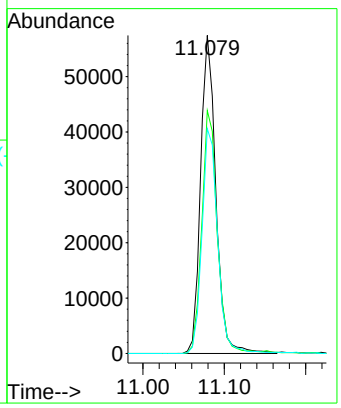


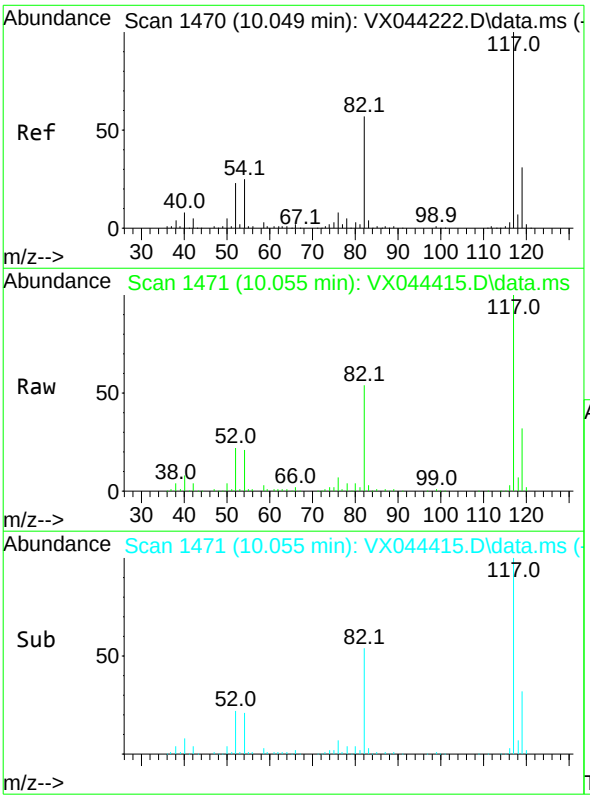

#62
4-Bromofluorobenzene
Concen: 46.235 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB

Tgt Ion: 95 Resp: 74913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.0 | 0.0 | 145.8 |
| 176 | 72.3 | 0.0 | 137.8 |

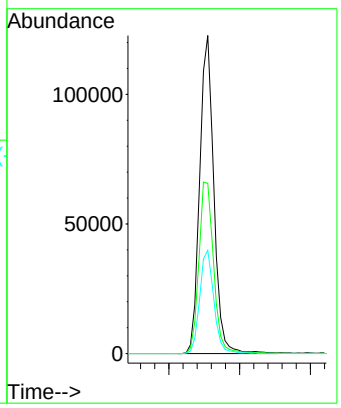


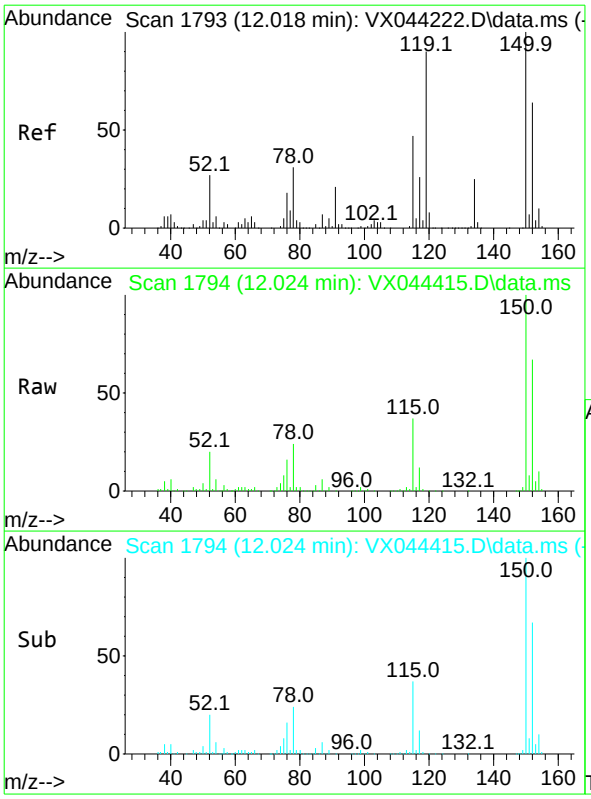




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

Tgt Ion:117 Resp: 170843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.6 | 45.8 | 68.8 |
| 119 | 32.5 | 25.0 | 37.4 |



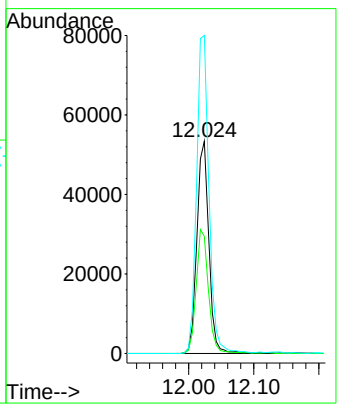



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044415.D
Acq: 19 Dec 2024 05:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB

Tgt Ion:152 Resp: 68420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.7 | 44.5 | 133.3 |
| 150 | 154.5 | 0.0 | 353.8 |



Raw Data: **VX044490.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01D2-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-24 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044490.D | 1 | | 12/23/24 19:03 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044490.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01D2-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-24 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044490.D | 1 | | 12/23/24 19:03 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 43.5 | | 81 - 118 | | 87% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.9 | | 80 - 119 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 54.4 | | 89 - 112 | | 109% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.5 | | 85 - 114 | | 103% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 135000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 237000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 213000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 94100 | 12.018 | | | | |

Raw Data: **VX044490.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01D2-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-24 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044490.D | 1 | | 12/23/24 19:03 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044490.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044490.D
Acq On : 23 Dec 2024 19:03
Operator : JC/MD
Sample : P5317-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D2-20241217

Quant Time: Dec 23 22:15:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 134770 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 236910 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 213239 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 94135 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 102799 | 43.504 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 87.000% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 81825 | 49.868 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.740% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 301047 | 54.383 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 108.760% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 99546 | 51.464 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 102.920% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.386 | 43 | 813 | 0.844 | ug/l # | 80 |

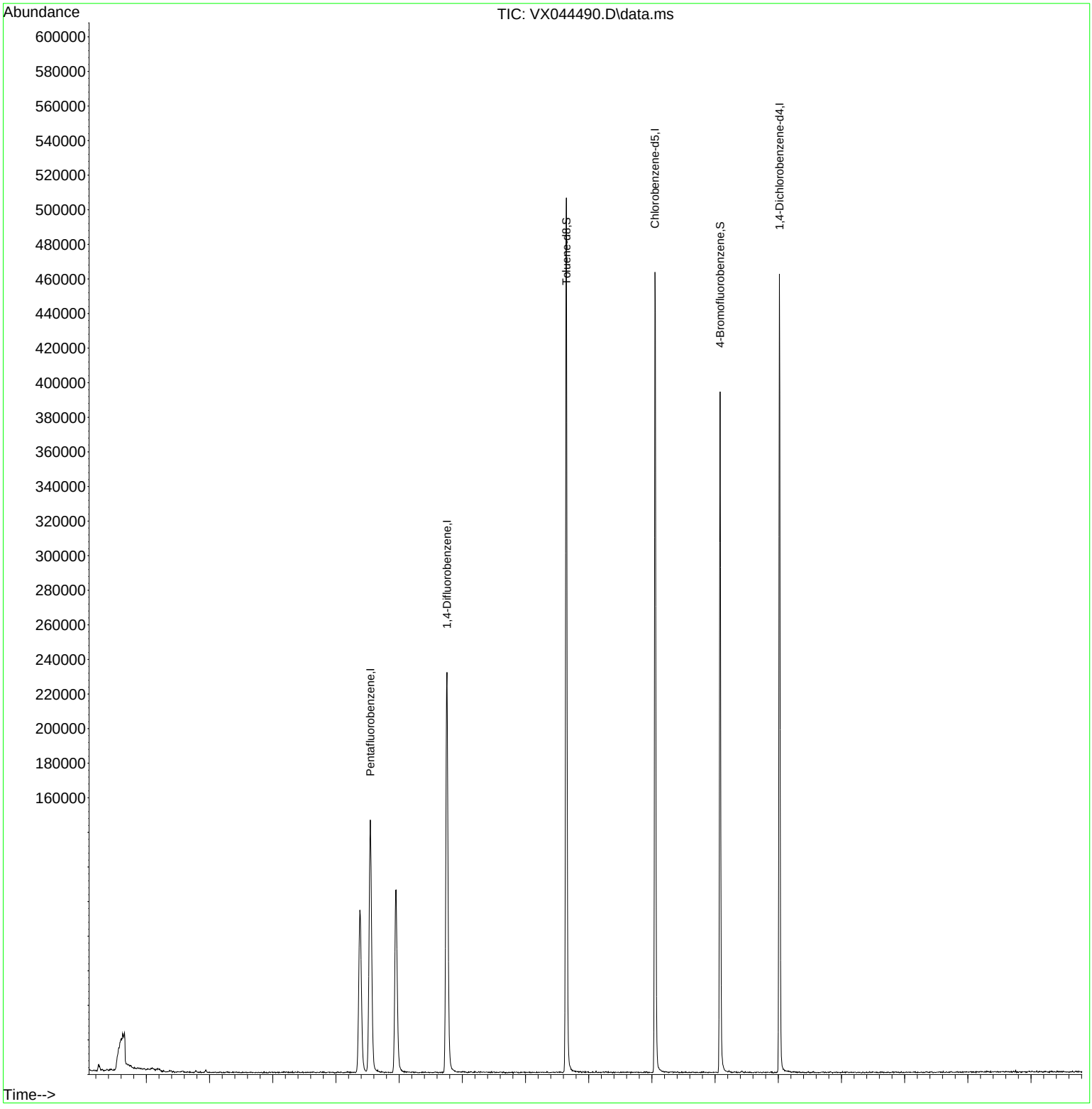
(#) = qualifier out of range (m) = manual integration (+) = signals summed

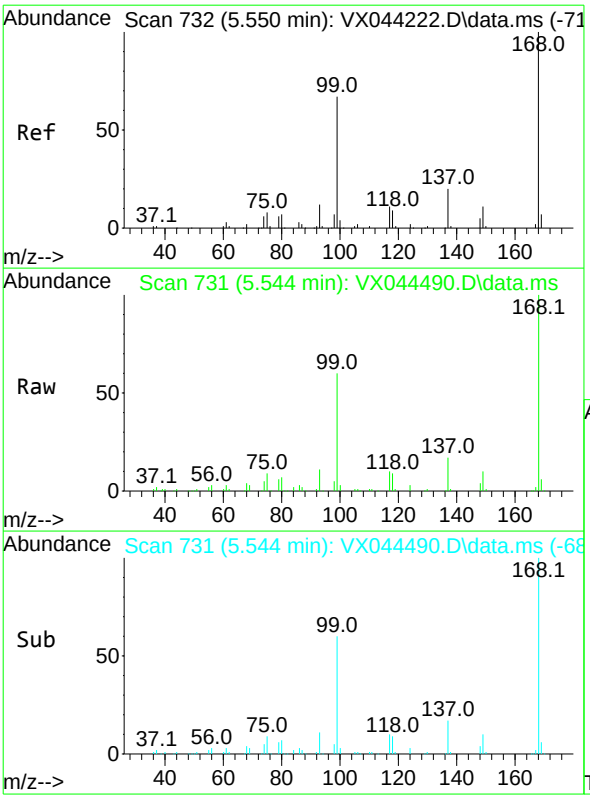
Sample Results: **VX044490.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044490.D
Acq On : 23 Dec 2024 19:03
Operator : JC/MD
Sample : P5317-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D2-20241217

Quant Time: Dec 23 22:15:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



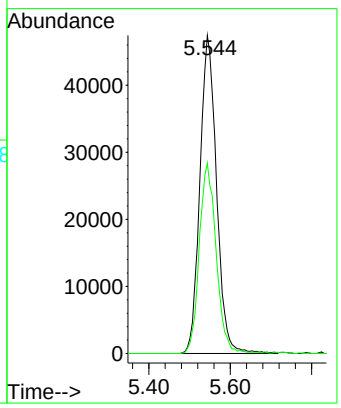


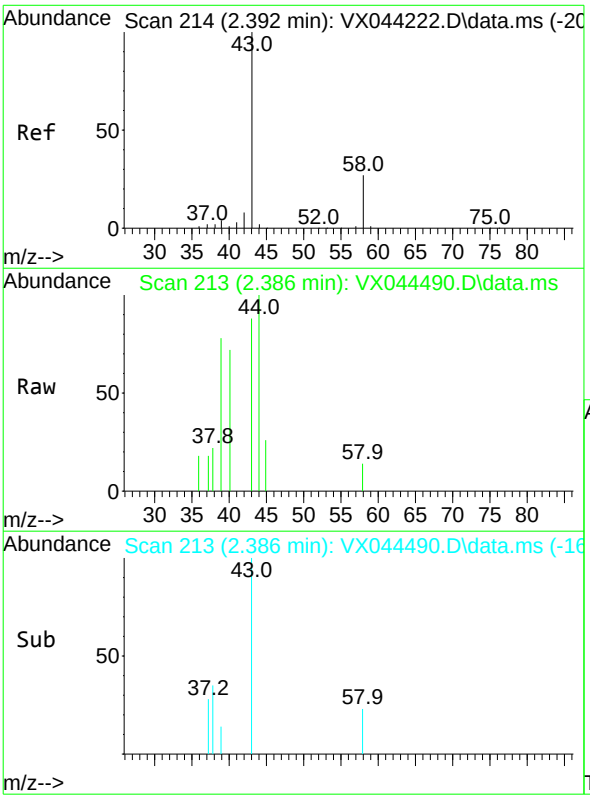

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044490.D
Acq: 23 Dec 2024 19:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D2-20241217

Tgt Ion:168 Resp: 134770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.9 | 53.4 | 80.0 |

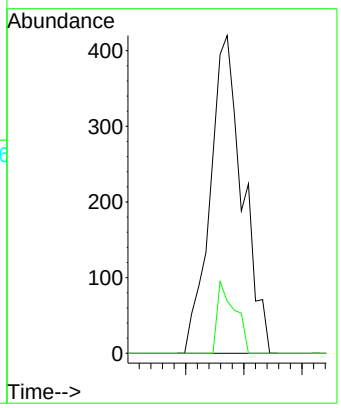


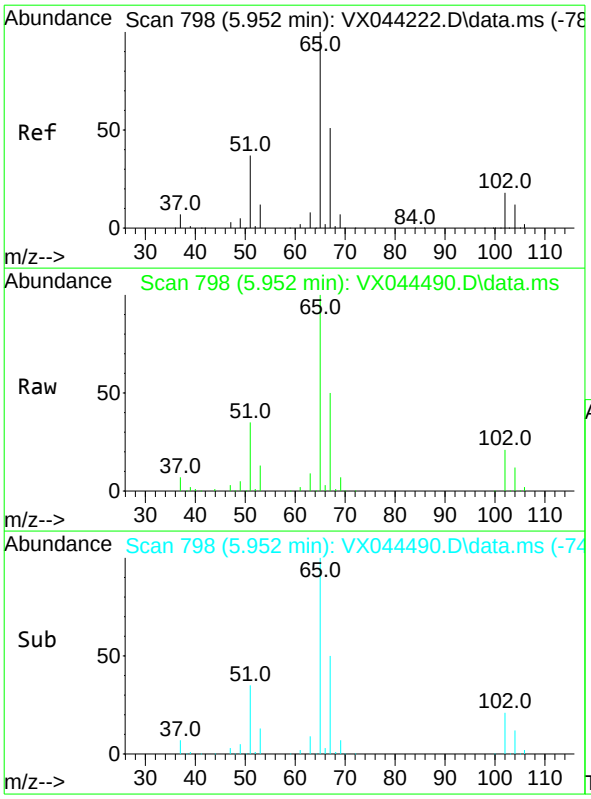




#16
Acetone
Concen: 0.844 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044490.D
Acq: 23 Dec 2024 19:03

Tgt Ion: 43 Resp: 813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 16.4 | 21.6 | 32.4# |



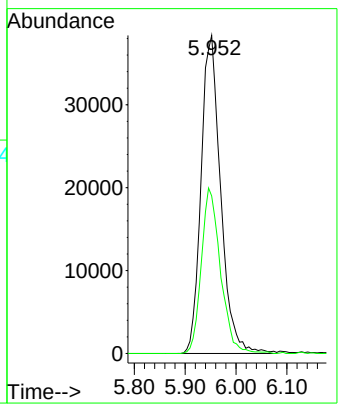


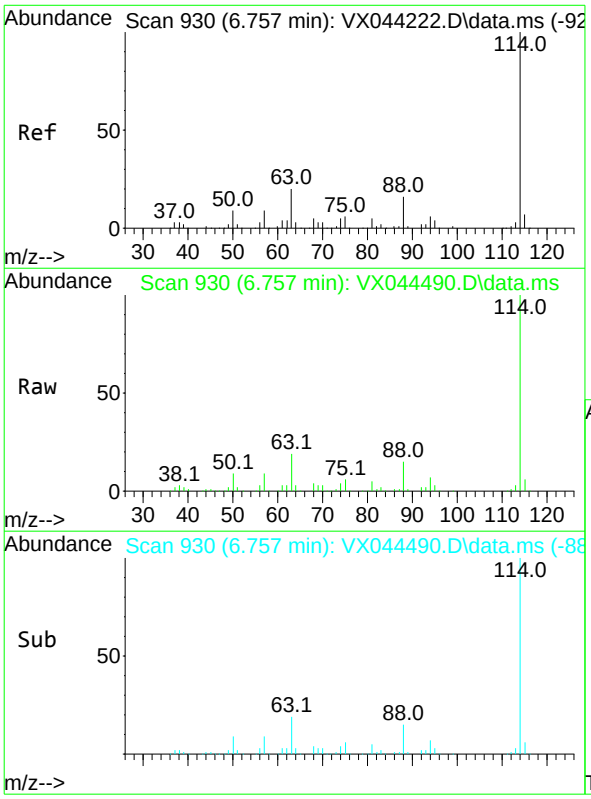

#33
1,2-Dichloroethane-d4
Concen: 43.504 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044490.D
Acq: 23 Dec 2024 19:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D2-20241217

Tgt Ion: 65 Resp: 102799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 101.6 |

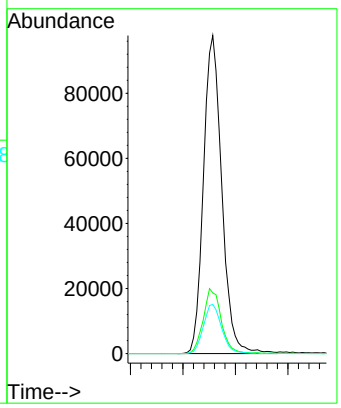


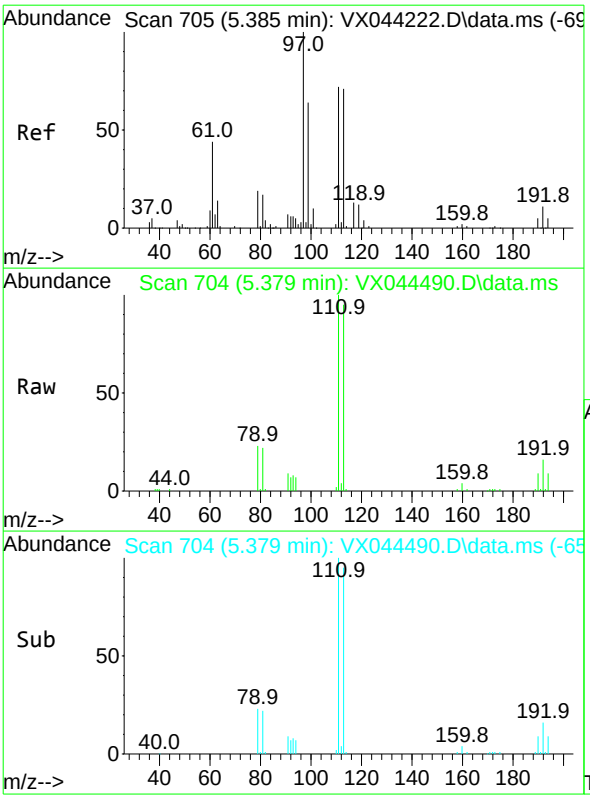




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044490.D
Acq: 23 Dec 2024 19:03

Tgt Ion:114 Resp: 236910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 40.6 |
| 88 | 15.5 | 0.0 | 31.8 |



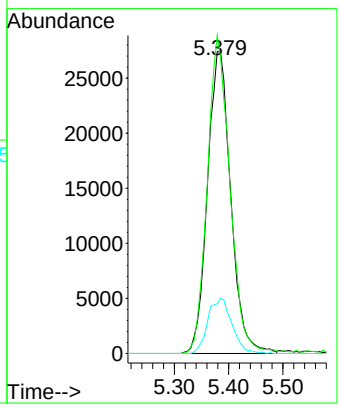


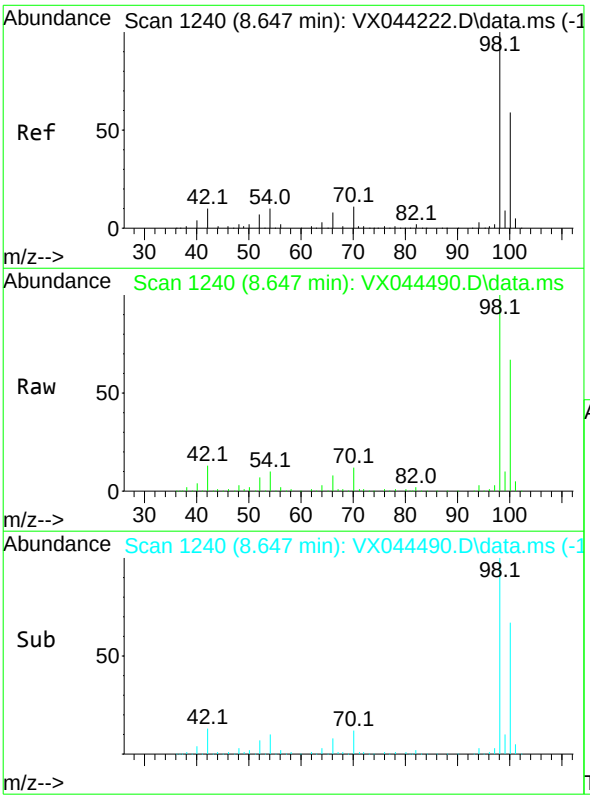

#35
Dibromofluoromethane
Concen: 49.868 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044490.D
Acq: 23 Dec 2024 19:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D2-20241217

Tgt Ion:113 Resp: 81825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 80.4 | 120.6 |
| 192 | 18.8 | 13.3 | 19.9 |

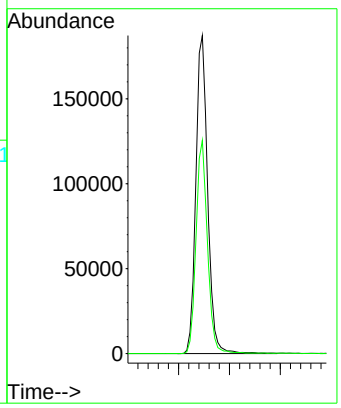


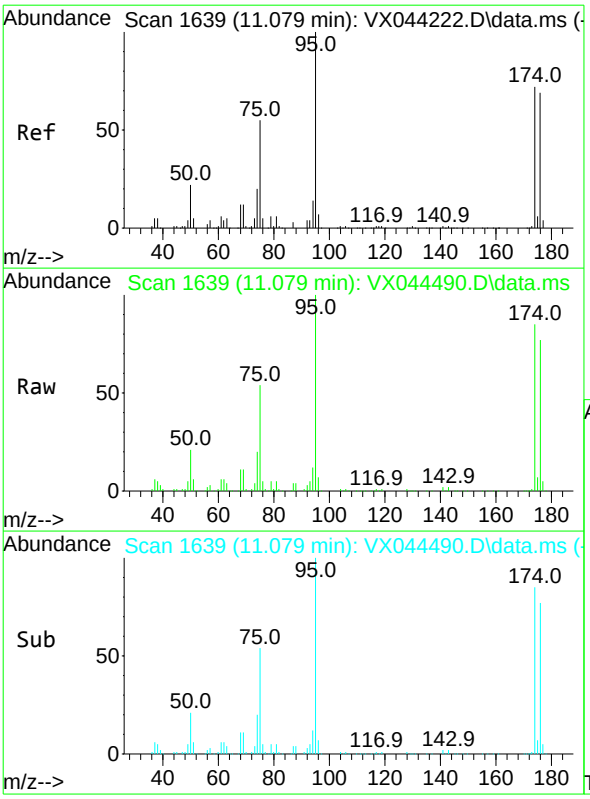




#50
Toluene-d8
Concen: 54.383 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044490.D
Acq: 23 Dec 2024 19:03

Tgt Ion: 98 Resp: 301047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 51.5 | 77.3 |



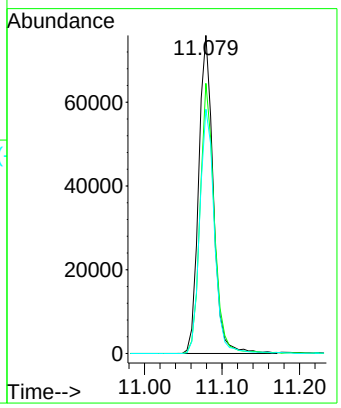


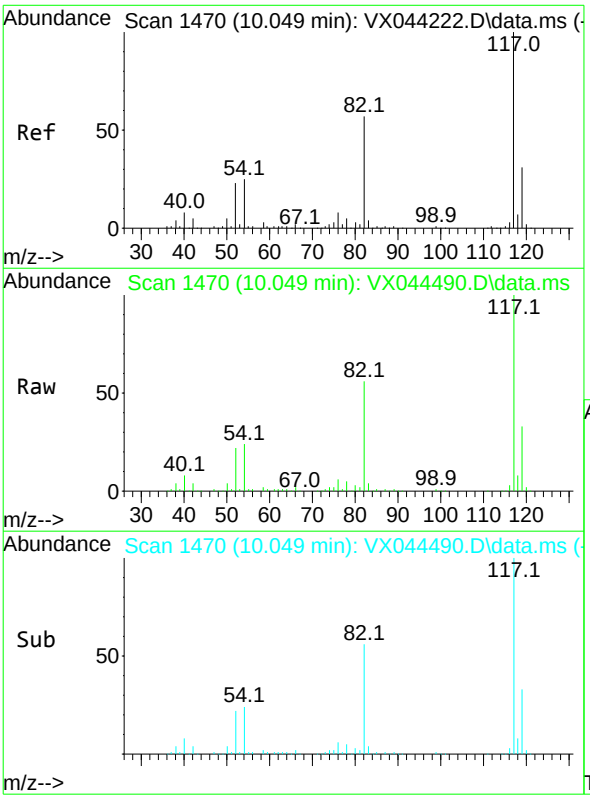

#62
4-Bromofluorobenzene
Concen: 51.464 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044490.D
Acq: 23 Dec 2024 19:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D2-20241217

Tgt Ion: 95 Resp: 99546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.3 | 0.0 | 145.8 |
| 176 | 76.9 | 0.0 | 137.8 |

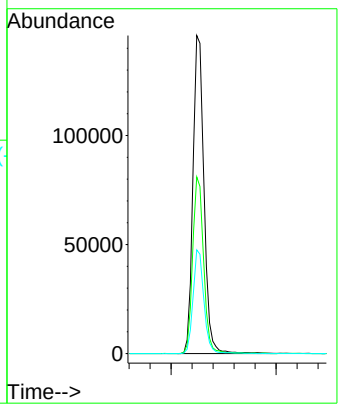


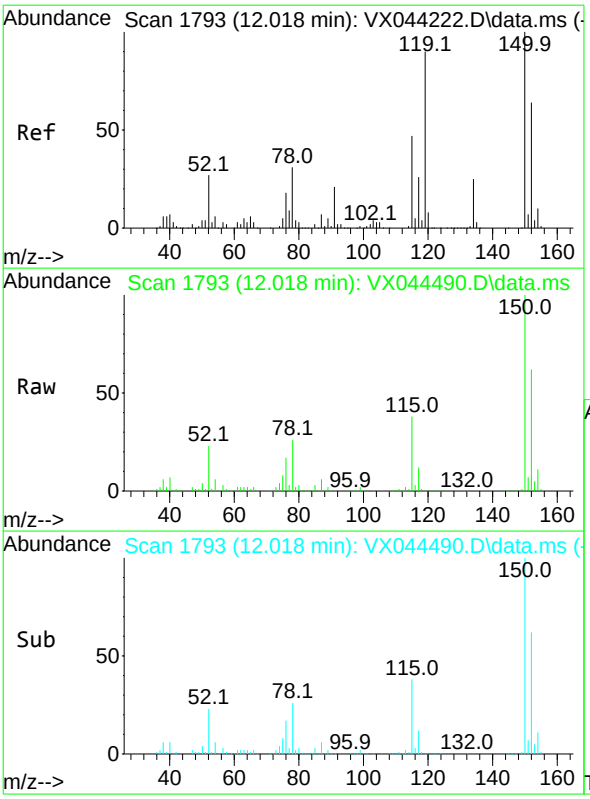




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044490.D
Acq: 23 Dec 2024 19:03

Tgt Ion:117 Resp: 213239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 45.8 | 68.8 |
| 119 | 32.6 | 25.0 | 37.4 |



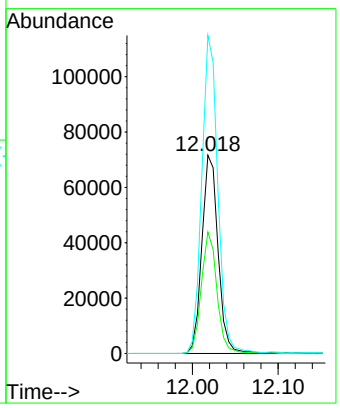



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044490.D
Acq: 23 Dec 2024 19:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D2-20241217

Tgt Ion:152 Resp: 94135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.5 | 44.5 | 133.3 |
| 150 | 158.6 | 0.0 | 353.8 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01D3-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-25 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044491.D | 1 | | 12/23/24 19:26 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044491.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01D3-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-25 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044491.D | 1 | | 12/23/24 19:26 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 43.5 | | 81 - 118 | | 87% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.2 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 54.8 | | 89 - 112 | | 110% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.8 | | 85 - 114 | | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 132000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 232000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 213000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 89200 | 12.018 | | | | |

Raw Data: **VX044491.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RW8-MW01D3-20241217 | SDG No.: | P5317 |
| Lab Sample ID: | P5317-25 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044491.D | 1 | | 12/23/24 19:26 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044491.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044491.D
Acq On : 23 Dec 2024 19:26
Operator : JC/MD
Sample : P5317-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 22:16:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 131619 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 231647 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 212925 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 89186 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 100345 | 43.482 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 86.960% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 78978 | 49.227 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.460% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 296413 | 54.763 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 109.520% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 96164 | 50.845 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.680% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.380 | 43 | 710 | 0.755 | ug/l | 92 |
| 29) Tetrahydrofuran | 5.019 | 42 | 3906m | 4.550 | ug/l | |

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

Sample Results: **VX044491.D**

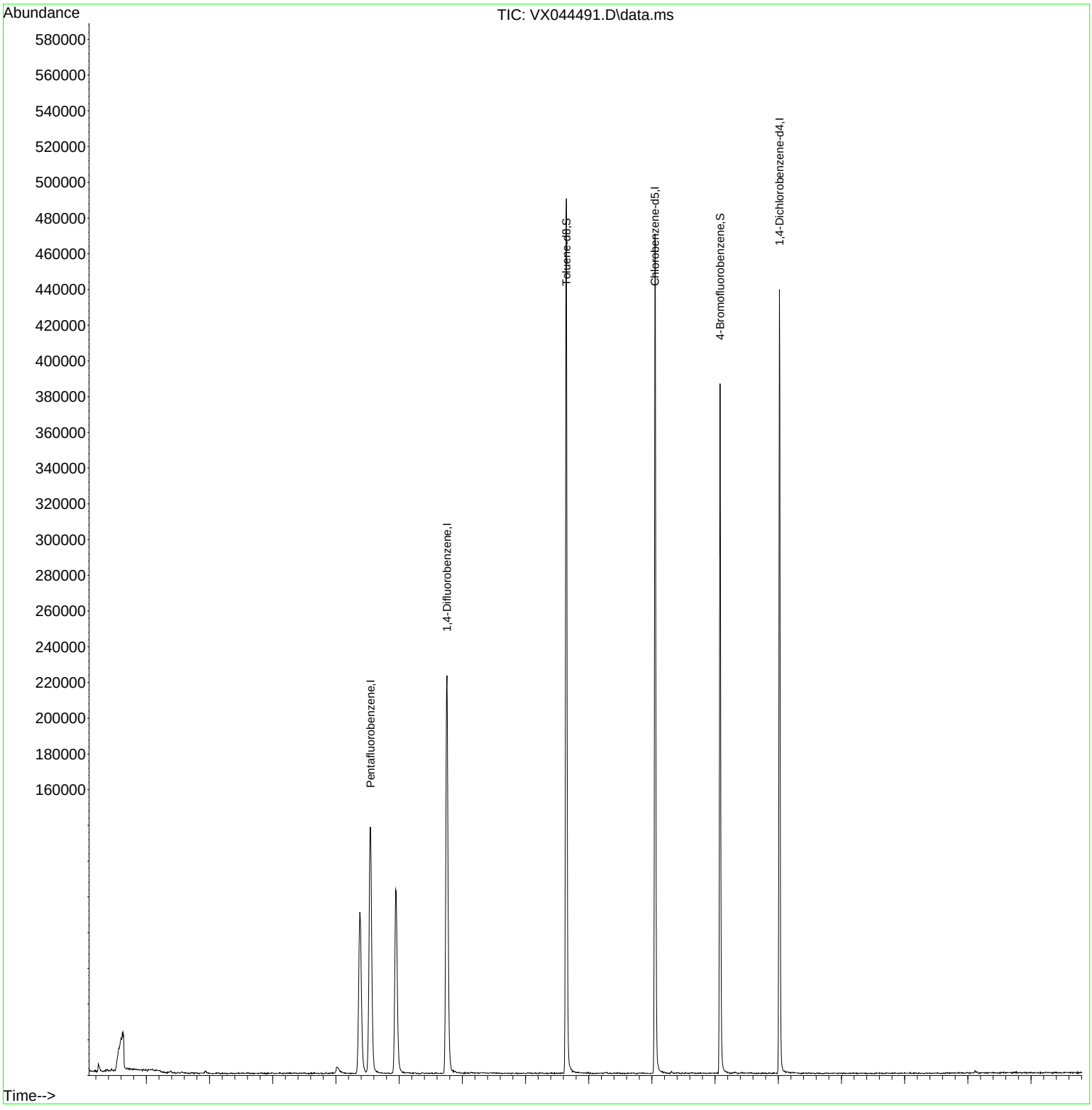
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044491.D
Acq On : 23 Dec 2024 19:26
Operator : JC/MD
Sample : P5317-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

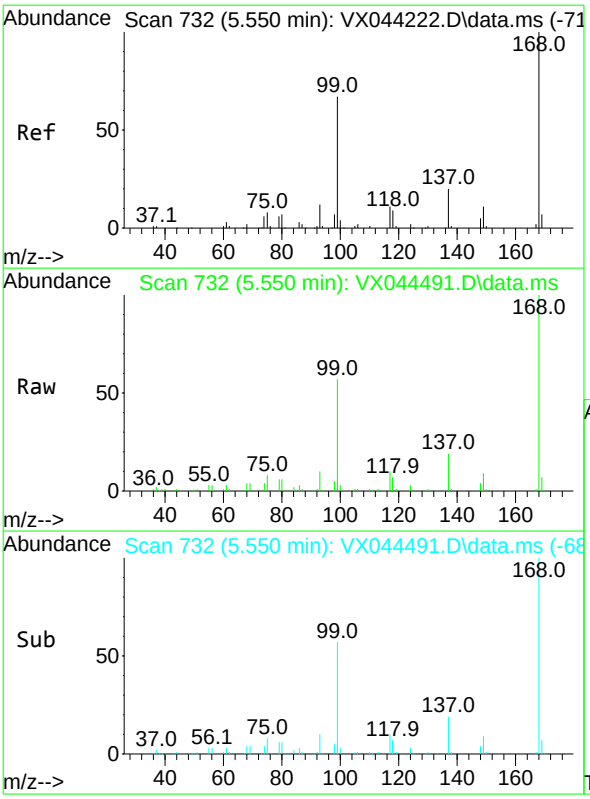
Quant Time: Dec 23 22:16:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

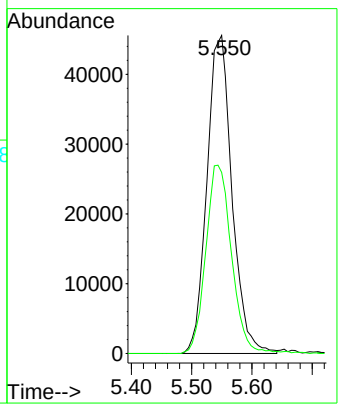
Tgt Ion:168 Resp: 131619

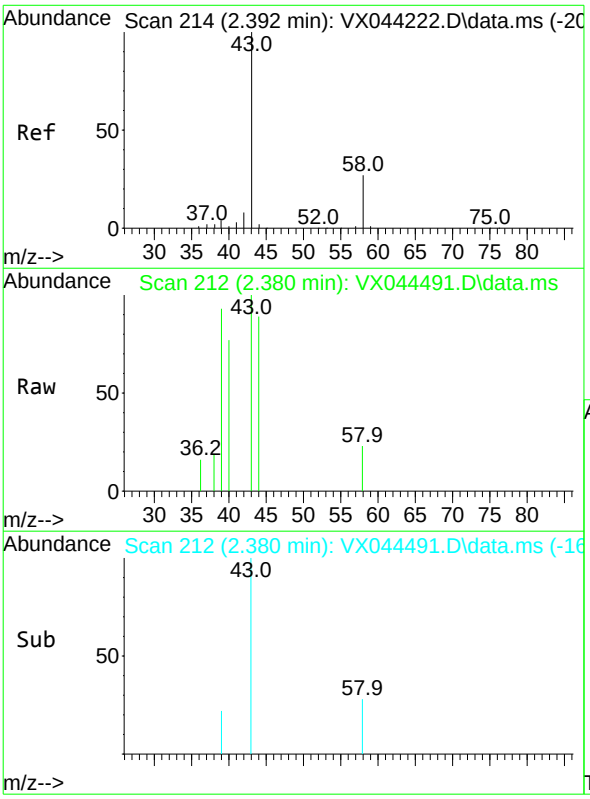
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.9 | 53.4 | 80.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

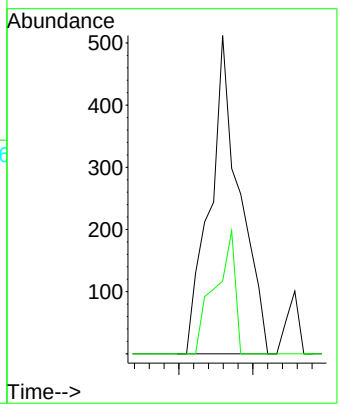


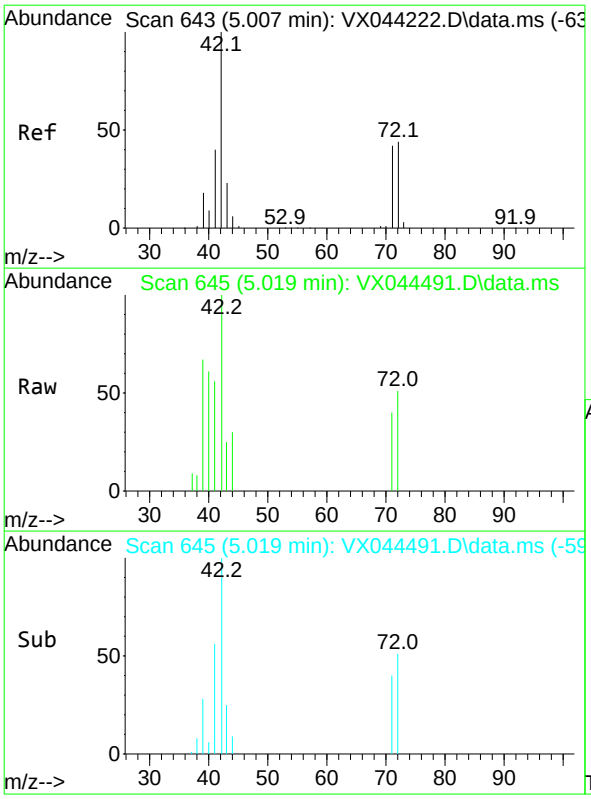




#16
Acetone
Concen: 0.755 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion: 43 Resp: 710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.9 | 21.6 | 32.4 |






#29
Tetrahydrofuran
Concen: 4.550 ug/l m
RT: 5.019 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

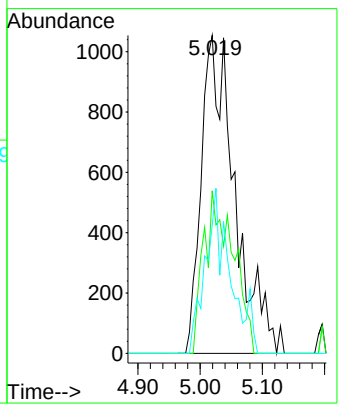
Tgt Ion: 42 Resp: 3906

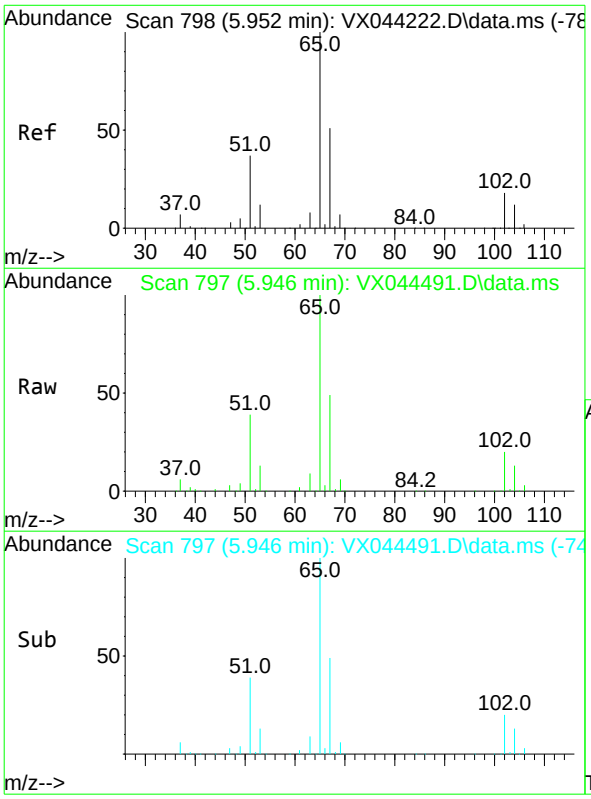
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.4 | 37.0 | 55.6 |
| 71 | 35.0 | 33.6 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

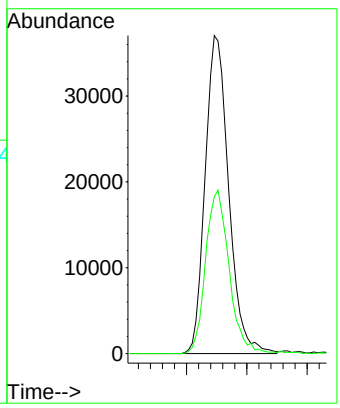


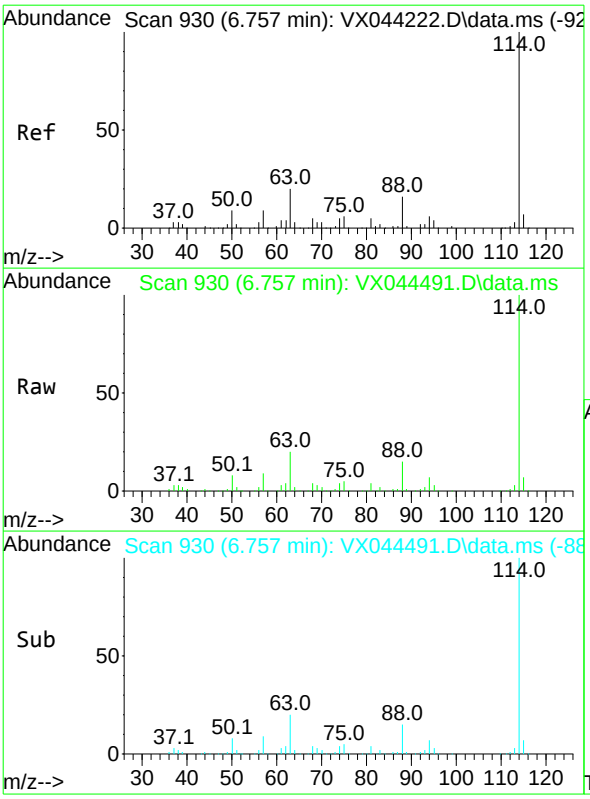




#33
1,2-Dichloroethane-d4
Concen: 43.482 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion: 65 Resp: 100345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 101.6 |






#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

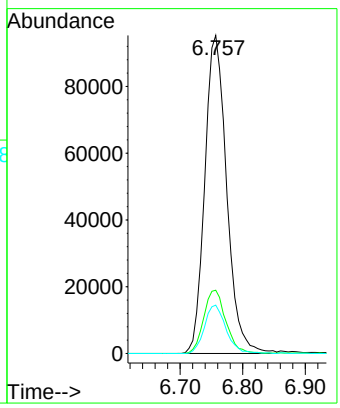
Tgt Ion:114 Resp: 231647

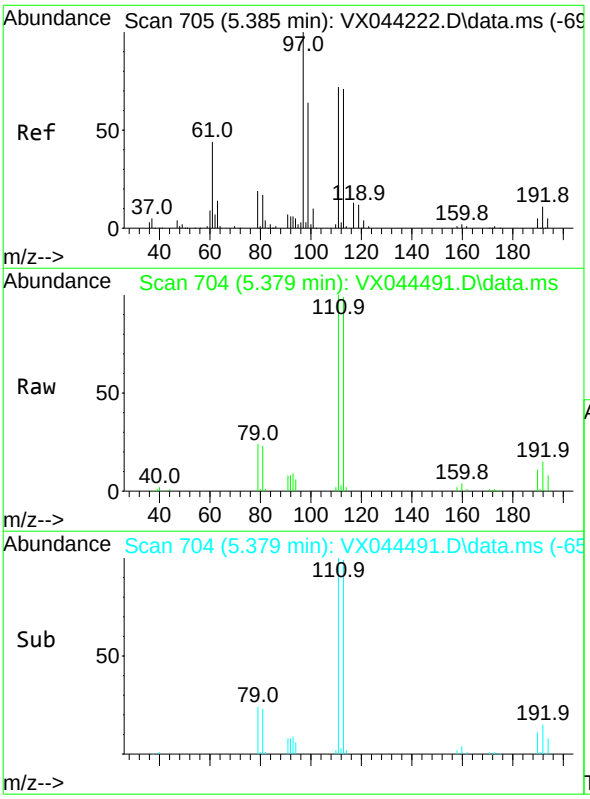
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 40.6 |
| 88 | 15.2 | 0.0 | 31.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

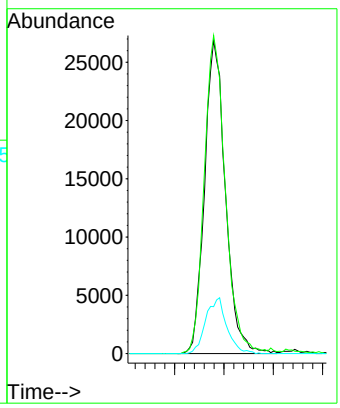


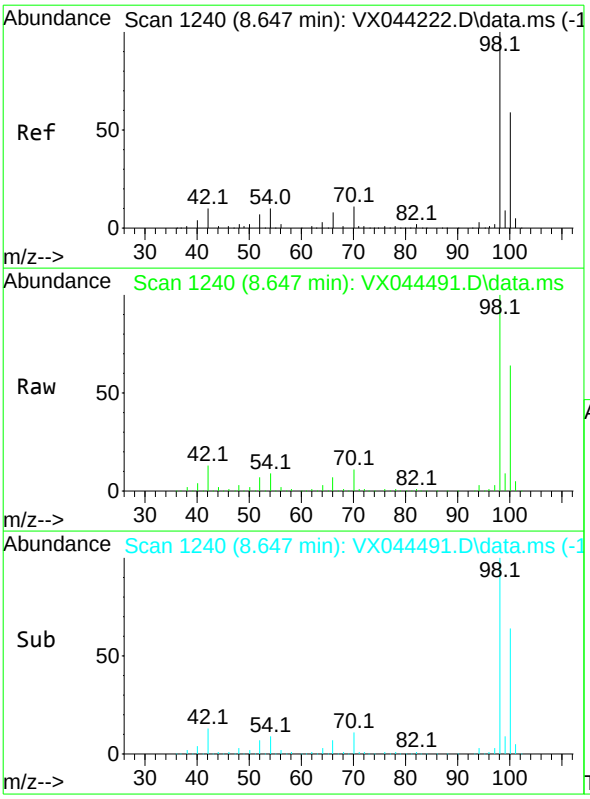




#35
Dibromofluoromethane
Concen: 49.227 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion:113 Resp: 78978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 80.4 | 120.6 |
| 192 | 18.0 | 13.3 | 19.9 |






#50
Toluene-d8
Concen: 54.763 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

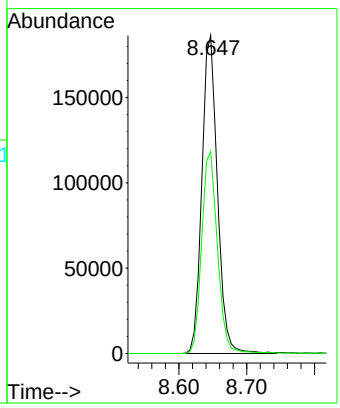
Tgt Ion: 98 Resp: 296413

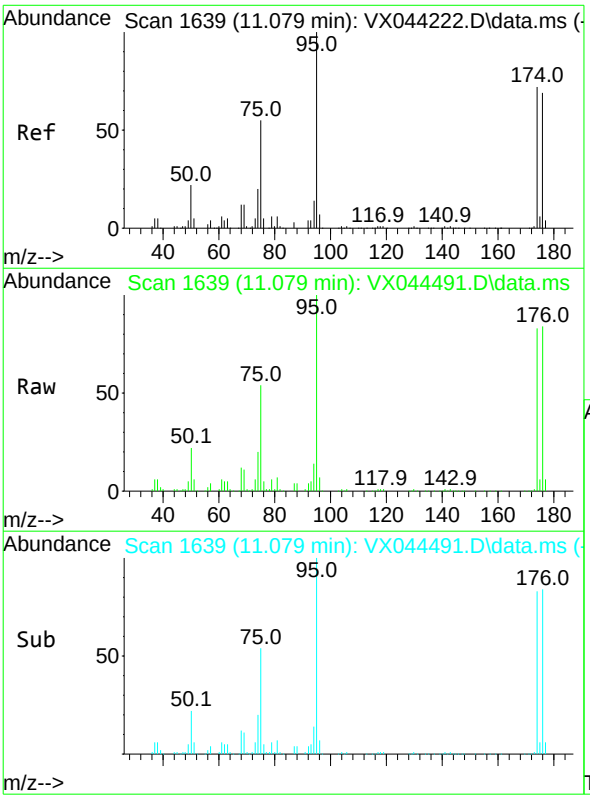
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.5 | 51.5 | 77.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

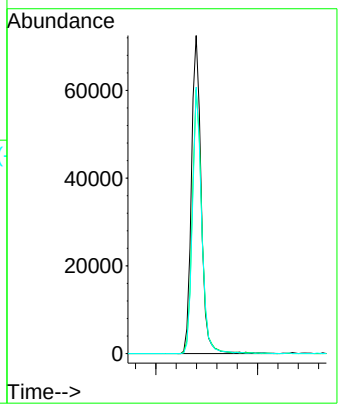


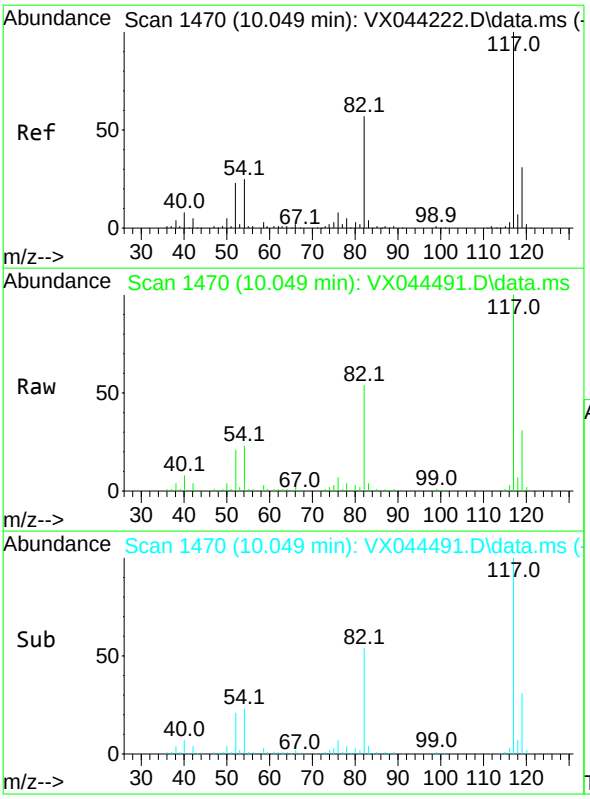




#62
4-Bromofluorobenzene
Concen: 50.845 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion: 95 Resp: 96164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.9 | 0.0 | 145.8 |
| 176 | 79.2 | 0.0 | 137.8 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

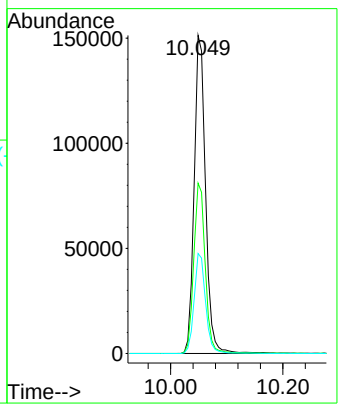
**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

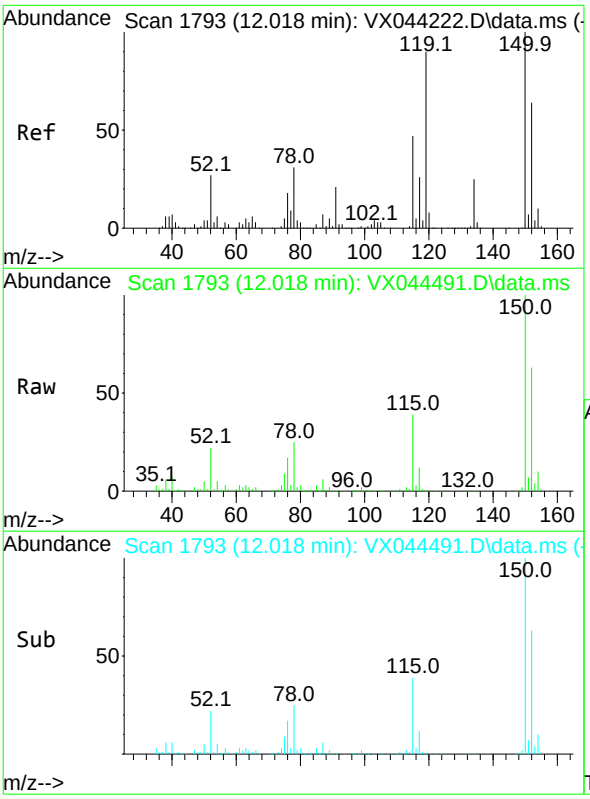
Tgt Ion:117 Resp: 212925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.6 | 45.8 | 68.8 |
| 119 | 31.4 | 25.0 | 37.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

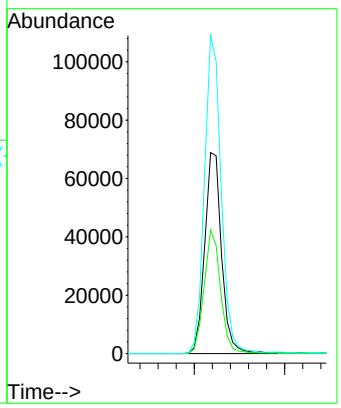



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion:152 Resp: 89186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.0 | 44.5 | 133.3 |
| 150 | 157.0 | 0.0 | 353.8 |



# CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX044219.D RRF005 = VX044220.D RRF020 = VX044221.D
RRF050 = VX044222.D RRF100 = VX044223.D RRF150 = VX044224.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.877 | 0.749 | 0.721 | 0.788 | 0.745 | 0.759 | 0.773 | 7.2 |
| Chloromethane | 0.743 | 0.747 | 0.735 | 0.756 | 0.715 | 0.740 | 0.739 | 1.8 |
| Vinyl Chloride | 0.805 | 0.790 | 0.782 | 0.786 | 0.722 | 0.737 | 0.770 | 4.3 |
| Bromomethane | | 0.590 | 0.513 | 0.551 | 0.529 | 0.548 | 0.546 | 5.3 |
| Chloroethane | 0.464 | 0.520 | 0.515 | 0.532 | 0.422 | 0.426 | 0.480 | 10.2 |
| Trichlorofluoromethane | 1.582 | 1.519 | 1.514 | 1.541 | 1.478 | 1.414 | 1.508 | 3.8 |
| 1,1,2-Trichlorotrifluoroethane | 0.633 | 0.628 | 0.592 | 0.615 | 0.573 | 0.620 | 0.610 | 3.8 |
| 1,1-Dichloroethene | 0.512 | 0.560 | 0.544 | 0.596 | 0.554 | 0.596 | 0.560 | 5.7 |
| Acetone | 0.359 | 0.353 | 0.331 | 0.381 | 0.348 | 0.372 | 0.357 | 5 |
| Carbon Disulfide | 0.841 | 0.872 | 0.937 | 1.150 | 1.230 | 1.362 | 1.065 | 20 |
| Methyl tert-butyl Ether | 2.054 | 2.188 | 2.127 | 2.305 | 2.170 | 2.279 | 2.187 | 4.3 |
| Methyl Acetate | 0.965 | 0.889 | 0.883 | 0.953 | 0.888 | 0.951 | 0.922 | 4.2 |
| Methylene Chloride | 0.679 | 0.678 | 0.666 | 0.689 | 0.648 | 0.668 | 0.671 | 2.1 |
| trans-1,2-Dichloroethene | 0.600 | 0.556 | 0.577 | 0.619 | 0.595 | 0.626 | 0.596 | 4.4 |
| 1,1-Dichloroethane | 1.071 | 1.173 | 1.154 | 1.244 | 1.171 | 1.218 | 1.172 | 5.1 |
| Cyclohexane | | 0.931 | 0.963 | 0.977 | 0.922 | 0.938 | 0.946 | 2.4 |
| 2-Butanone | 0.449 | 0.491 | 0.510 | 0.548 | 0.509 | 0.541 | 0.508 | 7.1 |
| Carbon Tetrachloride | 0.484 | 0.443 | 0.432 | 0.501 | 0.502 | 0.529 | 0.482 | 7.8 |
| cis-1,2-Dichloroethene | 0.809 | 0.737 | 0.728 | 0.772 | 0.731 | 0.762 | 0.756 | 4.1 |
| Bromochloromethane | 0.578 | 0.577 | 0.576 | 0.592 | 0.556 | 0.568 | 0.575 | 2.1 |
| Chloroform | 1.389 | 1.312 | 1.272 | 1.343 | 1.272 | 1.310 | 1.316 | 3.4 |
| 1,1,1-Trichloroethane | 0.993 | 1.019 | 1.077 | 1.176 | 1.119 | 1.173 | 1.093 | 7.1 |
| Methylcyclohexane | 0.514 | 0.503 | 0.527 | 0.555 | 0.550 | 0.562 | 0.535 | 4.5 |
| Benzene | 1.353 | 1.353 | 1.332 | 1.410 | 1.353 | 1.353 | 1.359 | 1.9 |
| 1,2-Dichloroethane | 0.554 | 0.557 | 0.545 | 0.584 | 0.556 | 0.564 | 0.560 | 2.4 |
| Trichloroethene | 0.356 | 0.325 | 0.325 | 0.349 | 0.337 | 0.342 | 0.339 | 3.8 |
| 1,2-Dichloropropane | 0.368 | 0.345 | 0.330 | 0.357 | 0.341 | 0.342 | 0.347 | 3.8 |
| Bromodichloromethane | 0.380 | 0.411 | 0.436 | 0.508 | 0.518 | 0.538 | 0.465 | 13.9 |
| 4-Methyl-2-Pentanone | 0.506 | 0.551 | 0.547 | 0.590 | 0.561 | 0.582 | 0.556 | 5.4 |
| Toluene | 0.908 | 0.830 | 0.816 | 0.877 | 0.841 | 0.849 | 0.853 | 4 |

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX044219.D RRF005 = VX044220.D RRF020 = VX044221.D
RRF050 = VX044222.D RRF100 = VX044223.D RRF150 = VX044224.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.338 | 0.357 | 0.439 | 0.514 | 0.526 | 0.558 | 0.455 | 20.3 |
| cis-1,3-Dichloropropene | 0.404 | 0.441 | 0.488 | 0.567 | 0.558 | 0.583 | 0.507 | 14.6 |
| 1,1,2-Trichloroethane | 0.337 | 0.332 | 0.335 | 0.358 | 0.334 | 0.340 | 0.339 | 2.8 |
| 2-Hexanone | 0.323 | 0.386 | 0.408 | 0.439 | 0.420 | 0.438 | 0.403 | 10.8 |
| Dibromochloromethane | 0.254 | 0.248 | 0.306 | 0.370 | 0.378 | 0.398 | 0.326 | 20.2 |
| 1,2-Dibromoethane | 0.303 | 0.322 | 0.344 | 0.369 | 0.364 | 0.370 | 0.345 | 8.1 |
| Tetrachloroethene | 0.359 | 0.354 | 0.317 | 0.321 | 0.312 | 0.327 | 0.332 | 6 |
| Chlorobenzene | 1.130 | 1.068 | 1.039 | 1.088 | 1.036 | 1.067 | 1.071 | 3.3 |
| Ethyl Benzene | 1.853 | 1.806 | 1.816 | 1.927 | 1.831 | 1.875 | 1.851 | 2.4 |
| m/p-Xylenes | 0.653 | 0.660 | 0.665 | 0.707 | 0.683 | 0.707 | 0.679 | 3.5 |
| o-Xylene | 0.686 | 0.683 | 0.685 | 0.703 | 0.671 | 0.697 | 0.687 | 1.6 |
| Styrene | 1.007 | 1.019 | 1.099 | 1.162 | 1.148 | 1.177 | 1.102 | 6.7 |
| Bromoform | 0.137 | 0.173 | 0.194 | 0.247 | 0.269 | 0.297 | 0.219 | 28 |
| Isopropylbenzene | 3.665 | 3.976 | 3.920 | 3.912 | 3.747 | 3.747 | 3.828 | 3.2 |
| 1,1,2,2-Tetrachloroethane | 1.410 | 1.350 | 1.332 | 1.336 | 1.256 | 1.293 | 1.329 | 3.9 |
| 1,3-Dichlorobenzene | 1.519 | 1.634 | 1.640 | 1.683 | 1.625 | 1.628 | 1.621 | 3.3 |
| 1,4-Dichlorobenzene | 1.811 | 1.640 | 1.632 | 1.672 | 1.621 | 1.623 | 1.667 | 4.4 |
| 1,2-Dichlorobenzene | 1.745 | 1.666 | 1.668 | 1.726 | 1.654 | 1.643 | 1.684 | 2.5 |
| 1,2-Dibromo-3-Chloropropane | 0.222 | 0.226 | 0.241 | 0.273 | 0.279 | 0.306 | 0.258 | 13 |
| 1,2,4-Trichlorobenzene | 0.770 | 0.827 | 0.891 | 0.978 | 1.013 | 1.058 | 0.923 | 12.2 |
| 1,2,3-Trichlorobenzene | 0.854 | 0.885 | 0.984 | 1.019 | 1.055 | 1.077 | 0.979 | 9.3 |
| 1,2-Dichloroethane-d4 | | 0.934 | 0.778 | 0.921 | 0.862 | 0.888 | 0.877 | 7.1 |
| Dibromofluoromethane | | 0.353 | 0.298 | 0.367 | 0.360 | 0.354 | 0.346 | 8 |
| Toluene-d8 | | 1.148 | 1.010 | 1.251 | 1.229 | 1.203 | 1.168 | 8.3 |
| 4-Bromofluorobenzene | | 0.390 | 0.351 | 0.442 | 0.432 | 0.426 | 0.408 | 9.2 |

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

# Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024
Response Via : Initial Calibration

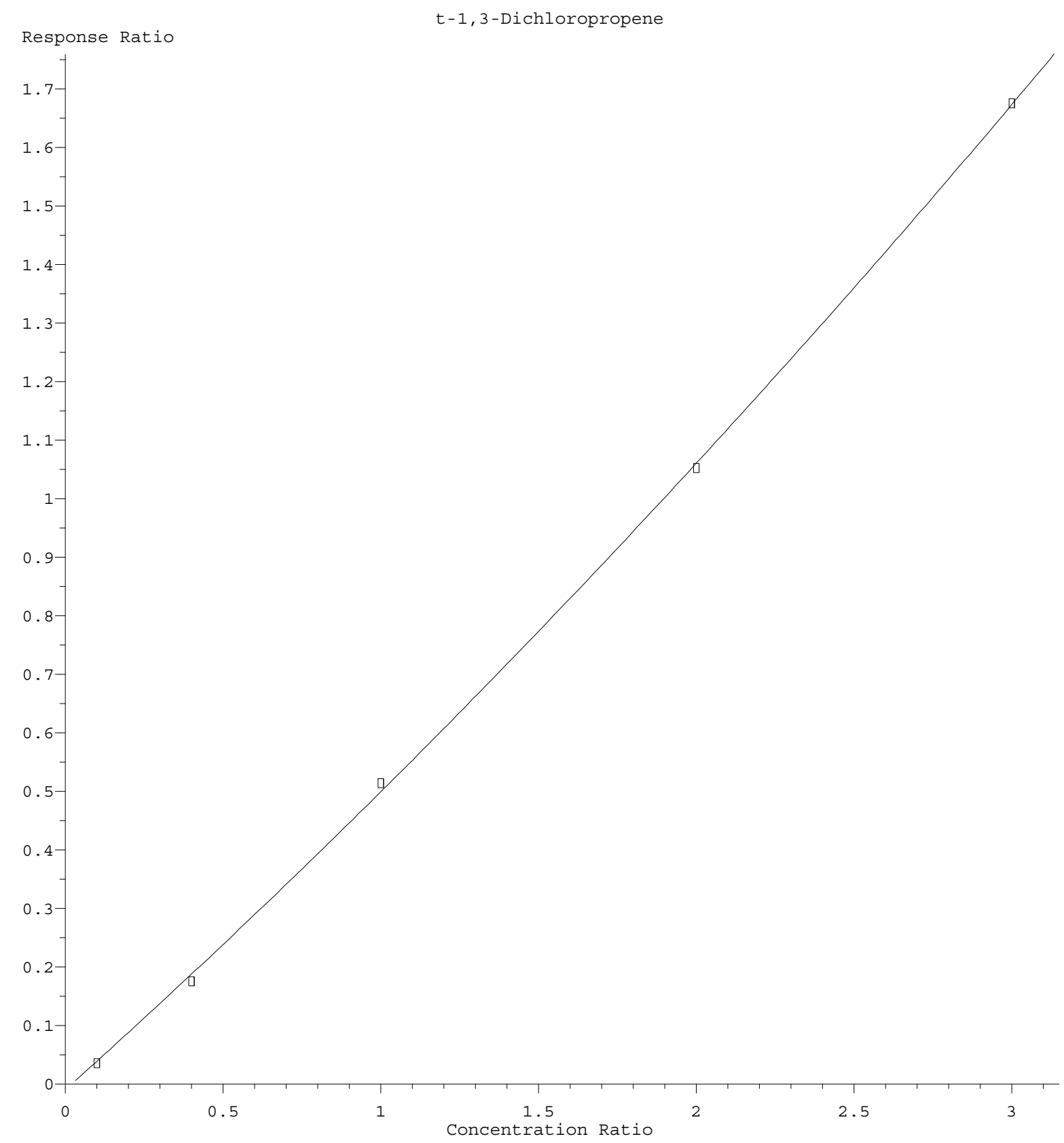
Calibration Files
1 =VX044219.D 5 =VX044220.D 20 =VX044221.D 50 =VX044222.D 100 =VX044223.D 150 =VX044224.D

| | | Compound | 1 | 5 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.877 | 0.749 | 0.721 | 0.788 | 0.745 | 0.759 | 0.773 | 7.19 |
| 3) | P | Chloromethane | 0.743 | 0.747 | 0.735 | 0.756 | 0.715 | 0.740 | 0.739 | 1.83 |
| 4) | C | Vinyl Chloride | 0.805 | 0.790 | 0.782 | 0.786 | 0.722 | 0.737 | 0.770 | 4.31# |
| 5) | T | Bromomethane | | 0.590 | 0.513 | 0.551 | 0.529 | 0.548 | 0.546 | 5.26 |
| 6) | T | Chloroethane | 0.464 | 0.520 | 0.515 | 0.532 | 0.422 | 0.426 | 0.480 | 10.21 |
| 7) | T | Trichlorofluor... | 1.582 | 1.519 | 1.514 | 1.541 | 1.478 | 1.414 | 1.508 | 3.80 |
| 8) | T | Diethyl Ether | 0.582 | 0.516 | 0.481 | 0.513 | 0.477 | 0.520 | 0.515 | 7.30 |
| 9) | T | 1,1,2-Trichlor... | 0.633 | 0.628 | 0.592 | 0.615 | 0.573 | 0.620 | 0.610 | 3.76 |
| 10) | T | Methyl Iodide | | 0.793 | 0.796 | 0.847 | 0.782 | 0.803 | 0.804 | 3.13 |
| 11) | T | Tert butyl alc... | | 0.103 | 0.111 | 0.120 | 0.133 | 0.151 | 0.124 | 15.38 |
| 12) | CM | 1,1-Dichloroet... | 0.512 | 0.560 | 0.544 | 0.596 | 0.554 | 0.596 | 0.560 | 5.74# |
| 13) | T | Acrolein | | 0.179 | 0.163 | 0.185 | 0.174 | 0.193 | 0.179 | 6.28 |
| 14) | T | Allyl chloride | 0.899 | 0.895 | 0.878 | 1.010 | 0.940 | 0.980 | 0.933 | 5.63 |
| 15) | T | Acrylonitrile | 0.319 | 0.333 | 0.332 | 0.358 | 0.343 | 0.367 | 0.342 | 5.25 |
| 16) | T | Acetone | 0.359 | 0.353 | 0.331 | 0.381 | 0.348 | 0.372 | 0.357 | 4.99 |
| 17) | T | Carbon Disulfide | 0.841 | 0.872 | 0.937 | 1.150 | 1.230 | 1.362 | 1.065 | 19.98 |
| 18) | T | Methyl Acetate | 0.965 | 0.889 | 0.883 | 0.953 | 0.888 | 0.951 | 0.922 | 4.17 |
| 19) | T | Methyl tert-bu... | 2.054 | 2.188 | 2.127 | 2.305 | 2.170 | 2.279 | 2.187 | 4.28 |
| 20) | T | Methylene Chlo... | 0.679 | 0.678 | 0.666 | 0.689 | 0.648 | 0.668 | 0.671 | 2.12 |
| 21) | T | trans-1,2-Dich... | 0.600 | 0.556 | 0.577 | 0.619 | 0.595 | 0.626 | 0.596 | 4.37 |
| 22) | T | Diisopropyl ether | 2.040 | 2.114 | 2.092 | 2.172 | 2.070 | 2.123 | 2.102 | 2.17 |
| 23) | T | Vinyl Acetate | 1.238 | 1.571 | 1.732 | 1.912 | 1.842 | 1.958 | 1.709 | 15.75 |
| 24) | P | 1,1-Dichloroet... | 1.071 | 1.173 | 1.154 | 1.244 | 1.171 | 1.218 | 1.172 | 5.10 |
| 25) | T | 2-Butanone | 0.449 | 0.491 | 0.510 | 0.548 | 0.509 | 0.541 | 0.508 | 7.08 |
| 26) | T | 2,2-Dichloropr... | 0.782 | 0.896 | 0.956 | 1.045 | 0.992 | 1.039 | 0.952 | 10.50 |
| 27) | T | cis-1,2-Dichlo... | 0.809 | 0.737 | 0.728 | 0.772 | 0.731 | 0.762 | 0.756 | 4.11 |
| 28) | T | Bromochloromet... | 0.578 | 0.577 | 0.576 | 0.592 | 0.556 | 0.568 | 0.575 | 2.07 |
| 29) | T | Tetrahydrofuran | 0.293 | 0.348 | 0.321 | 0.337 | 0.317 | 0.340 | 0.326 | 6.17 |
| 30) | C | Chloroform | 1.389 | 1.312 | 1.272 | 1.343 | 1.272 | 1.310 | 1.316 | 3.39# |
| 31) | T | Cyclohexane | | 0.931 | 0.963 | 0.977 | 0.922 | 0.938 | 0.946 | 2.44 |
| 32) | T | 1,1,1-Trichlor... | 0.993 | 1.019 | 1.077 | 1.176 | 1.119 | 1.173 | 1.093 | 7.06 |
| 33) | S | 1,2-Dichloroet... | | 0.934 | 0.778 | 0.921 | 0.862 | 0.888 | 0.877 | 7.09 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | | 0.353 | 0.298 | 0.367 | 0.360 | 0.354 | 0.346 | 7.95 |
| 36) | T | 1,1-Dichloropr... | 0.489 | 0.442 | 0.422 | 0.444 | 0.445 | 0.444 | 0.448 | 4.92 |
| 37) | T | Ethyl Acetate | 0.536 | 0.512 | 0.551 | 0.581 | 0.565 | 0.574 | 0.553 | 4.68 |
| 38) | T | Carbon Tetrach... | 0.484 | 0.443 | 0.432 | 0.501 | 0.502 | 0.529 | 0.482 | 7.77 |
| 39) | T | Methylcyclohexane | 0.514 | 0.503 | 0.527 | 0.555 | 0.550 | 0.562 | 0.535 | 4.52 |
| 40) | TM | Benzene | 1.353 | 1.353 | 1.332 | 1.410 | 1.353 | 1.353 | 1.359 | 1.93 |
| 41) | T | Methacrylonitrile | 0.285 | 0.293 | 0.281 | 0.302 | 0.298 | 0.305 | 0.294 | 3.21 |
| 42) | TM | 1,2-Dichloroet... | 0.554 | 0.557 | 0.545 | 0.584 | 0.556 | 0.564 | 0.560 | 2.37 |
| 43) | T | Isopropyl Acetate | 0.736 | 0.854 | 0.835 | 0.916 | 0.908 | 0.941 | 0.865 | 8.62 |
| 44) | TM | Trichloroethene | 0.356 | 0.325 | 0.324 | 0.349 | 0.337 | 0.342 | 0.339 | 3.79 |
| 45) | C | 1,2-Dichloropr... | 0.368 | 0.345 | 0.330 | 0.357 | 0.341 | 0.342 | 0.347 | 3.81# |
| 46) | T | Dibromomethane | 0.247 | 0.267 | 0.259 | 0.286 | 0.276 | 0.281 | 0.269 | 5.53 |
| 47) | T | Bromodichlorom... | 0.380 | 0.411 | 0.436 | 0.508 | 0.518 | 0.538 | 0.465 | 13.95 |
| 48) | T | Methyl methacr... | 0.427 | 0.370 | 0.399 | 0.444 | 0.431 | 0.447 | 0.420 | 7.03 |
| 49) | T | 1,4-Dioxane | 0.005 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 | 0.007 | 15.81 |
| 50) | S | Toluene-d8 | | 1.148 | 1.010 | 1.251 | 1.229 | 1.203 | 1.168 | 8.27 |
| 51) | T | 4-Methyl-2-Pen... | 0.506 | 0.551 | 0.547 | 0.590 | 0.561 | 0.582 | 0.556 | 5.37 |
| 52) | CM | Toluene | 0.908 | 0.830 | 0.816 | 0.877 | 0.841 | 0.849 | 0.853 | 3.96# |
| 53) | T | t-1,3-Dichloro... | 0.338 | 0.357 | 0.439 | 0.514 | 0.526 | 0.558 | 0.455 | 20.32 |
| 54) | T | cis-1,3-Dichlo... | 0.404 | 0.441 | 0.488 | 0.567 | 0.558 | 0.583 | 0.507 | 14.59 |
| 55) | T | 1,1,2-Trichlor... | 0.337 | 0.332 | 0.335 | 0.358 | 0.334 | 0.340 | 0.339 | 2.79 |

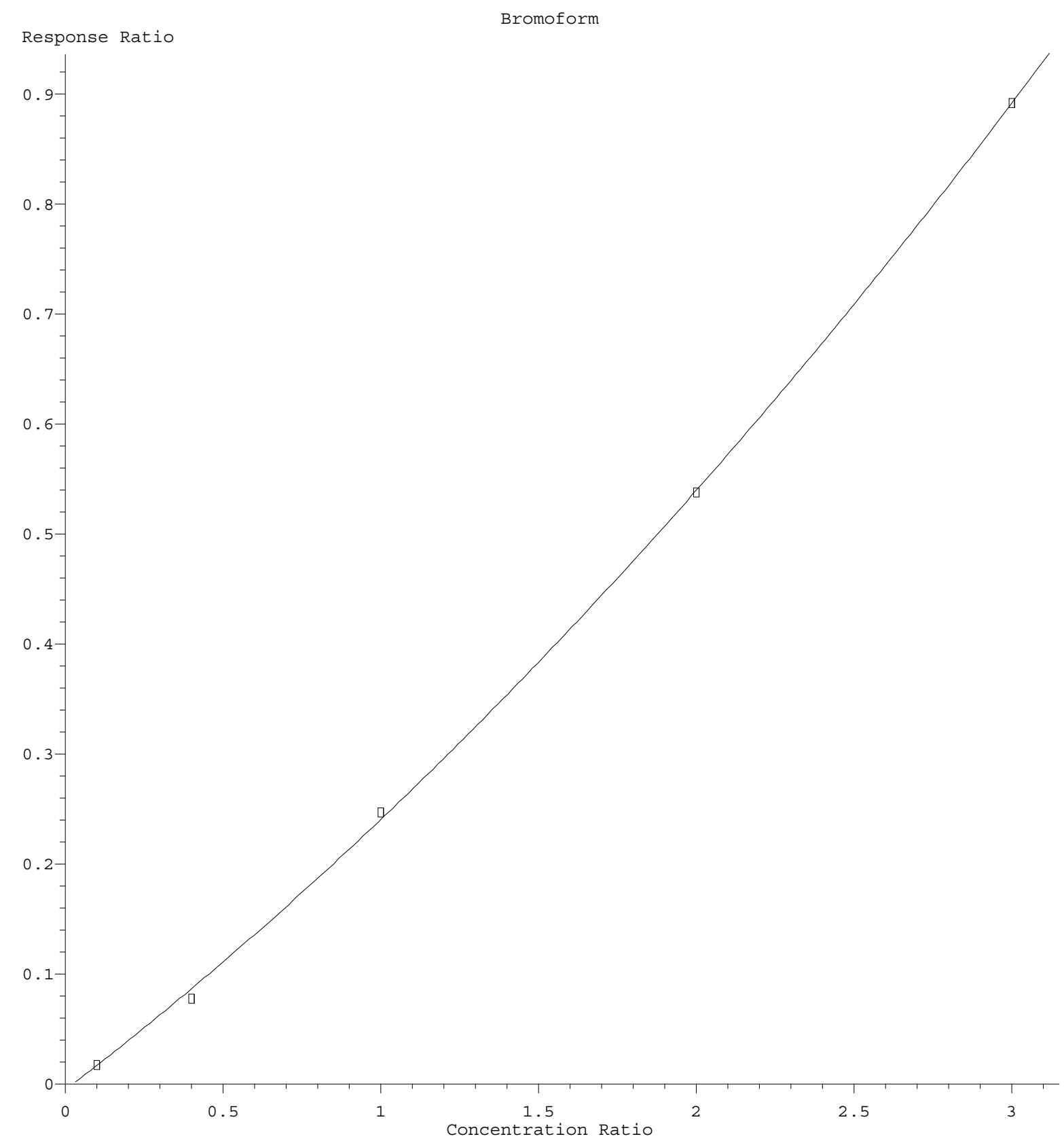
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X121124W.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 56) | T | Ethyl methacry... | 0.491 | 0.458 | 0.517 | 0.577 | 0.575 | 0.593 | 0.535 | 10.23 |
| 57) | T | 1,3-Dichloropr... | 0.578 | 0.593 | 0.585 | 0.613 | 0.583 | 0.590 | 0.590 | 2.09 |
| 58) | T | 2-Chloroethyl ... | 0.222 | 0.268 | 0.256 | 0.293 | 0.285 | 0.296 | 0.270 | 10.47 |
| 59) | T | 2-Hexanone | 0.323 | 0.386 | 0.408 | 0.439 | 0.420 | 0.438 | 0.403 | 10.82 |
| 60) | T | Dibromochlorom... | 0.254 | 0.248 | 0.306 | 0.370 | 0.378 | 0.398 | 0.326 | 20.17 |
| 61) | T | 1,2-Dibromoethane | 0.303 | 0.322 | 0.344 | 0.369 | 0.364 | 0.370 | 0.345 | 8.06 |
| 62) | S | 4-Bromofluorob... | | 0.390 | 0.351 | 0.442 | 0.432 | 0.426 | 0.408 | 9.23 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.359 | 0.354 | 0.317 | 0.321 | 0.312 | 0.327 | 0.332 | 5.96 |
| 65) | PM | Chlorobenzene | 1.130 | 1.068 | 1.039 | 1.088 | 1.036 | 1.067 | 1.071 | 3.27 |
| 66) | T | 1,1,1,2-Tetrac... | 0.301 | 0.305 | 0.334 | 0.375 | 0.368 | 0.383 | 0.344 | 10.47 |
| 67) | C | Ethyl Benzene | 1.853 | 1.806 | 1.816 | 1.927 | 1.831 | 1.875 | 1.851 | 2.42# |
| 68) | T | m/p-Xylenes | 0.653 | 0.660 | 0.665 | 0.707 | 0.683 | 0.707 | 0.679 | 3.50 |
| 69) | T | o-Xylene | 0.686 | 0.683 | 0.685 | 0.703 | 0.671 | 0.697 | 0.687 | 1.64 |
| 70) | T | Styrene | 1.007 | 1.019 | 1.099 | 1.162 | 1.148 | 1.177 | 1.102 | 6.70 |
| 71) | P | Bromoform | 0.137 | 0.173 | 0.194 | 0.247 | 0.269 | 0.297 | 0.219 | 28.02 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 3.665 | 3.976 | 3.920 | 3.912 | 3.747 | 3.747 | 3.828 | 3.25 |
| 74) | T | N-amyl acetate | 1.435 | 1.620 | 1.773 | 1.916 | 1.901 | 1.967 | 1.769 | 11.64 |
| 75) | P | 1,1,2,2-Tetrac... | 1.410 | 1.350 | 1.332 | 1.336 | 1.256 | 1.293 | 1.329 | 3.93 |
| 76) | T | 1,2,3-Trichlor... | 1.272 | 1.075 | 1.113 | 1.124 | 1.059 | 1.055 | 1.116 | 7.30 |
| 77) | T | Bromobenzene | 1.009 | 0.934 | 0.890 | 0.942 | 0.899 | 0.895 | 0.928 | 4.87 |
| 78) | T | n-propylbenzene | 3.739 | 4.263 | 4.319 | 4.502 | 4.283 | 4.277 | 4.231 | 6.06 |
| 79) | T | 2-Chlorotoluene | 2.940 | 2.847 | 2.707 | 2.771 | 2.582 | 2.569 | 2.736 | 5.36 |
| 80) | T | 1,3,5-Trimethy... | 3.066 | 3.222 | 3.224 | 3.308 | 3.097 | 3.128 | 3.174 | 2.90 |
| 81) | T | trans-1,4-Dich... | | 0.236 | 0.300 | 0.369 | 0.402 | 0.430 | 0.347 | 22.67 |
| 82) | T | 4-Chlorotoluene | 2.964 | 3.051 | 3.013 | 3.114 | 3.011 | 3.026 | 3.030 | 1.65 |
| 83) | T | tert-Butylbenzene | 3.170 | 3.077 | 3.105 | 3.259 | 3.106 | 3.106 | 3.137 | 2.14 |
| 84) | T | 1,2,4-Trimethy... | 2.699 | 3.254 | 3.207 | 3.290 | 3.148 | 3.105 | 3.117 | 6.92 |
| 85) | T | sec-Butylbenzene | 3.679 | 3.748 | 3.840 | 3.986 | 3.804 | 3.793 | 3.808 | 2.70 |
| 86) | T | p-Isopropyltol... | 2.949 | 3.061 | 3.254 | 3.347 | 3.197 | 3.211 | 3.170 | 4.49 |
| 87) | T | 1,3-Dichlorobe... | 1.519 | 1.634 | 1.640 | 1.683 | 1.625 | 1.628 | 1.621 | 3.35 |
| 88) | T | 1,4-Dichlorobe... | 1.811 | 1.640 | 1.632 | 1.672 | 1.621 | 1.623 | 1.667 | 4.39 |
| 89) | T | n-Butylbenzene | 2.249 | 2.387 | 2.659 | 2.844 | 2.889 | 2.964 | 2.665 | 10.90 |
| 90) | T | Hexachloroethane | 0.358 | 0.396 | 0.406 | 0.507 | 0.542 | 0.567 | 0.463 | 18.85 |
| 91) | T | 1,2-Dichlorobe... | 1.745 | 1.666 | 1.668 | 1.726 | 1.654 | 1.643 | 1.683 | 2.46 |
| 92) | T | 1,2-Dibromo-3-... | 0.222 | 0.226 | 0.241 | 0.273 | 0.279 | 0.306 | 0.258 | 13.01 |
| 93) | T | 1,2,4-Trichlor... | 0.770 | 0.827 | 0.891 | 0.978 | 1.013 | 1.058 | 0.923 | 12.16 |
| 94) | T | Hexachlorobuta... | 0.390 | 0.349 | 0.367 | 0.369 | 0.371 | 0.381 | 0.371 | 3.75 |
| 95) | T | Naphthalene | 2.925 | 3.346 | 3.629 | 3.835 | 3.866 | 4.015 | 3.603 | 11.24 |
| 96) | T | 1,2,3-Trichlor... | 0.854 | 0.885 | 0.984 | 1.019 | 1.055 | 1.077 | 0.979 | 9.30 |

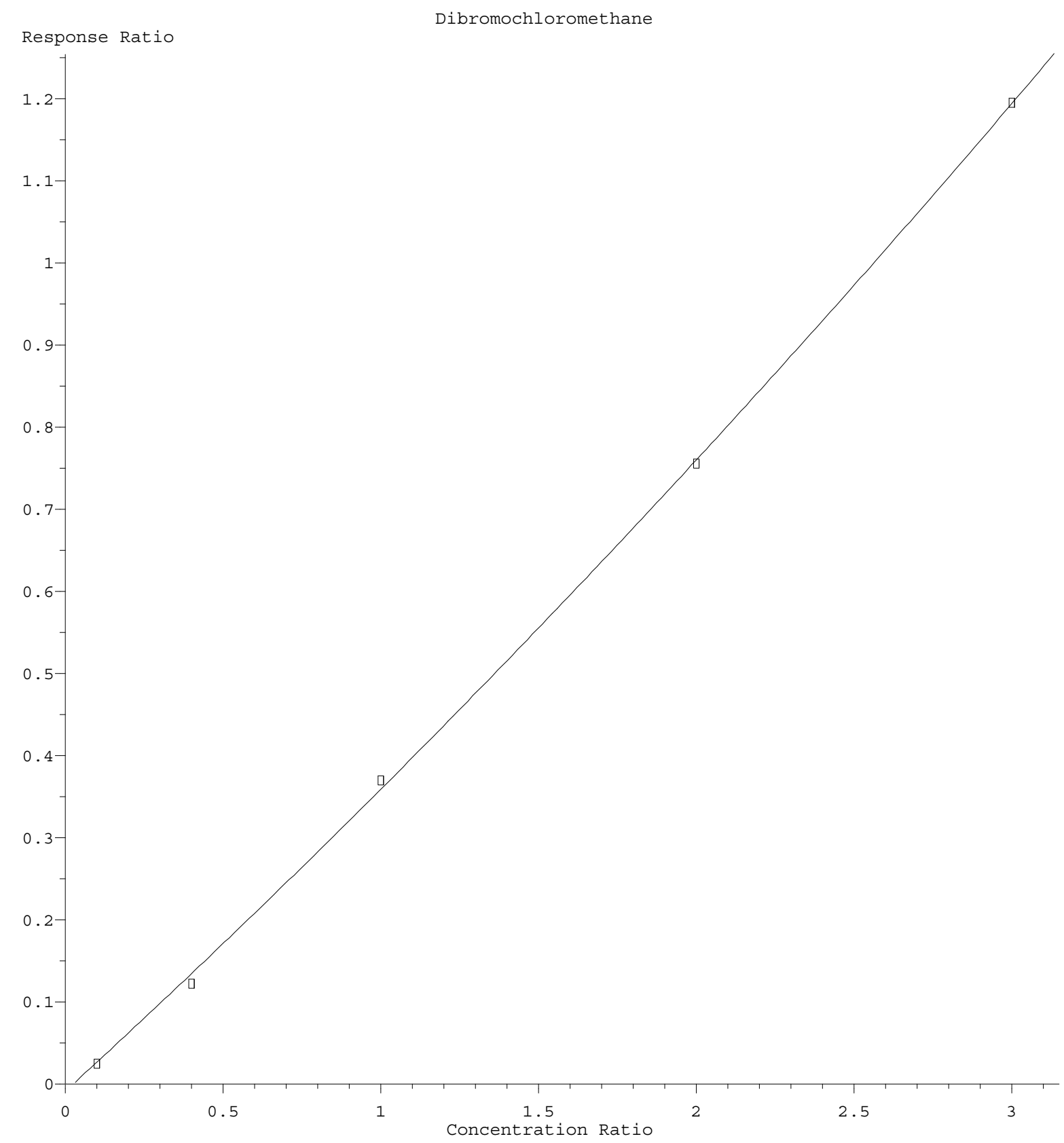
(#) = Out of Range




R = 2.599e-002 A*A + 4.830e-001 A - 9.631e-003
Coef of Det (r^2) = 0.999780  Curve Fit: Quadratic
Method Name:  Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024




R = 2.648e-002 A*A + 2.195e-001 A - 5.414e-003
Coef of Det (r^2) = 0.999777  Curve Fit: Quadratic
Method Name:  Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024




R = 1.660e-002 A*A + 3.511e-001 A - 8.656e-003
Coef of Det (r^2) = 0.999705  Curve Fit: Quadratic
Method Name:  Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 141947 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 253574 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 213862 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 88334 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 0.000 | 65 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 0.000%# | | | |
| 35) Dibromofluoromethane | 0.000 | 113 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 0.000%# | | | |
| 50) Toluene-d8 | 0.000 | 98 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 0.000%# | | | |
| 62) 4-Bromofluorobenzene | 0.000 | 95 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 0.000%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 2491 | 1.135 | ug/l | | 98 |
| 3) Chloromethane | 1.300 | 50 | 2109 | 1.005 | ug/l | | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 2285 | 1.045 | ug/l | # | 85 |
| 6) Chloroethane | 1.672 | 64 | 1316m | 0.967 | ug/l | | |
| 7) Trichlorofluoromethane | 1.867 | 101 | 4491 | 1.049 | ug/l | | 96 |
| 8) Diethyl Ether | 2.129 | 74 | 1651 | 1.130 | ug/l | | 78 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 1796 | 1.037 | ug/l | | 95 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 1454 | 0.914 | ug/l | | 90 |
| 14) Allyl chloride | 2.660 | 41 | 2551 | 0.963 | ug/l | # | 91 |
| 15) Acrylonitrile | 3.068 | 53 | 4528 | 4.660 | ug/l | | 98 |
| 16) Acetone | 2.385 | 43 | 5096 | 5.022 | ug/l | | 97 |
| 17) Carbon Disulfide | 2.501 | 76 | 2387 | 0.789 | ug/l | | 99 |
| 18) Methyl Acetate | 2.702 | 43 | 2739 | 1.047 | ug/l | # | 86 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 5832 | 0.939 | ug/l | # | 91 |
| 20) Methylene Chloride | 2.776 | 84 | 1928 | 1.012 | ug/l | # | 74 |
| 21) trans-1,2-Dichloroethene | 3.080 | 96 | 1703 | 1.007 | ug/l | # | 79 |
| 22) Diisopropyl ether | 3.763 | 45 | 5792 | 0.971 | ug/l | # | 83 |
| 23) Vinyl Acetate | 3.733 | 43 | 17578 | 3.623 | ug/l | | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 3040 | 0.914 | ug/l | | 96 |
| 25) 2-Butanone | 4.586 | 43 | 6380 | 4.423 | ug/l | | 96 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 2220 | 0.821 | ug/l | | 85 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 2296 | 1.069 | ug/l | | 81 |
| 28) Bromochloromethane | 4.909 | 49 | 1641 | 1.006 | ug/l | # | 72 |
| 29) Tetrahydrofuran | 5.025 | 42 | 4158 | 4.491 | ug/l | # | 84 |
| 30) Chloroform | 5.086 | 83 | 3943 | 1.055 | ug/l | | 91 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 2818 | 0.908 | ug/l | # | 48 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 2479m | 1.092 | ug/l | | |
| 37) Ethyl Acetate | 4.727 | 43 | 2718 | 0.969 | ug/l | # | 71 |
| 38) Carbon Tetrachloride | 5.678 | 117 | 2454 | 1.004 | ug/l | # | 73 |
| 39) Methylcyclohexane | 7.366 | 83 | 2606 | 0.960 | ug/l | | 93 |
| 40) Benzene | 6.037 | 78 | 6864 | 0.996 | ug/l | | 92 |
| 41) Methacrylonitrile | 4.946 | 41 | 1447m | 0.971 | ug/l | | |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 2810 | 0.990 | ug/l | | 93 |
| 43) Isopropyl Acetate | 6.354 | 43 | 3734 | 0.851 | ug/l | | 98 |
| 44) Trichloroethene | 7.122 | 130 | 1806 | 1.051 | ug/l | | 71 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 1865 | 1.059 | ug/l | # | 74 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) Dibromomethane | 7.592 | 93 | 1251 | 0.916 ug/l | | 97 |
| 47) Bromodichloromethane | 7.830 | 83 | 1926 | 0.816 ug/l | # | 74 |
| 48) Methyl methacrylate | 7.720 | 41 | 2168 | 1.018 ug/l | # | 77 |
| 49) 1,4-Dioxane | 7.702 | 88 | 492m | 13.522 ug/l | | |
| 51) 4-Methyl-2-Pentanone | 8.579 | 43 | 12824 | 4.547 ug/l | | 95 |
| 52) Toluene | 8.720 | 92 | 4606 | 1.064 ug/l | | 92 |
| 53) t-1,3-Dichloropropene | 8.988 | 75 | 1716 | 1.694 ug/l | # | 78 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 2048 | 0.797 ug/l | # | 75 |
| 55) 1,1,2-Trichloroethane | 9.159 | 97 | 1710 | 0.994 ug/l | # | 83 |
| 56) Ethyl methacrylate | 9.128 | 69 | 2490 | 0.917 ug/l | # | 85 |
| 57) 1,3-Dichloropropane | 9.317 | 76 | 2929 | 0.979 ug/l | | 94 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 5621 | 4.105 ug/l | | 96 |
| 59) 2-Hexanone | 9.439 | 43 | 8199 | 4.017 ug/l | | 98 |
| 60) Dibromochloromethane | 9.524 | 129 | 1289 | 1.953 ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 1535 | 0.877 ug/l | | 95 |
| 64) Tetrachloroethene | 9.274 | 164 | 1536 | 1.082 ug/l | | 86 |
| 65) Chlorobenzene | 10.079 | 112 | 4835 | 1.055 ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 1288 | 0.875 ug/l | # | 63 |
| 67) Ethyl Benzene | 10.195 | 91 | 7924 | 1.001 ug/l | # | 88 |
| 68) m/p-Xylenes | 10.305 | 106 | 5583 | 1.922 ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 2933 | 0.998 ug/l | | 96 |
| 70) Styrene | 10.658 | 104 | 4306 | 0.914 ug/l | | 94 |
| 71) Bromoform | 10.805 | 173 | 584 | 1.847 ug/l | # | 72 |
| 73) Isopropylbenzene | 10.963 | 105 | 6474 | 0.957 ug/l | | 100 |
| 74) N-amyl acetate | 10.847 | 43 | 2536 | 0.811 ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.219 | 83 | 2491 | 1.061 ug/l | | 95 |
| 76) 1,2,3-Trichloropropane | 11.244 | 75 | 2248m | 1.121 ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 1783 | 1.087 ug/l | | 91 |
| 78) n-propylbenzene | 11.305 | 91 | 6606 | 0.884 ug/l | | 86 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 5194 | 1.075 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 5417 | 0.966 ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 5236 | 0.978 ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 5601 | 1.011 ug/l | | 91 |
| 84) 1,2,4-Trimethylbenzene | 11.756 | 105 | 4769 | 0.866 ug/l | | 95 |
| 85) sec-Butylbenzene | 11.890 | 105 | 6500 | 0.966 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.012 | 119 | 5210 | 0.930 ug/l | | 93 |
| 87) 1,3-Dichlorobenzene | 11.975 | 146 | 2684 | 0.937 ug/l | | 94 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 3200m | 1.087 ug/l | | |
| 89) n-Butylbenzene | 12.335 | 91 | 3973 | 0.844 ug/l | | 94 |
| 90) Hexachloroethane | 12.536 | 117 | 632 | 0.773 ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 3082 | 1.036 ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 392 | 0.860 ug/l | | 70 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 1361 | 0.835 ug/l | | 92 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 689 | 1.051 ug/l | | 96 |
| 95) Naphthalene | 13.780 | 128 | 5167 | 0.812 ug/l | # | 94 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 1509 | 0.873 ug/l | | 95 |

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

ICAL Form

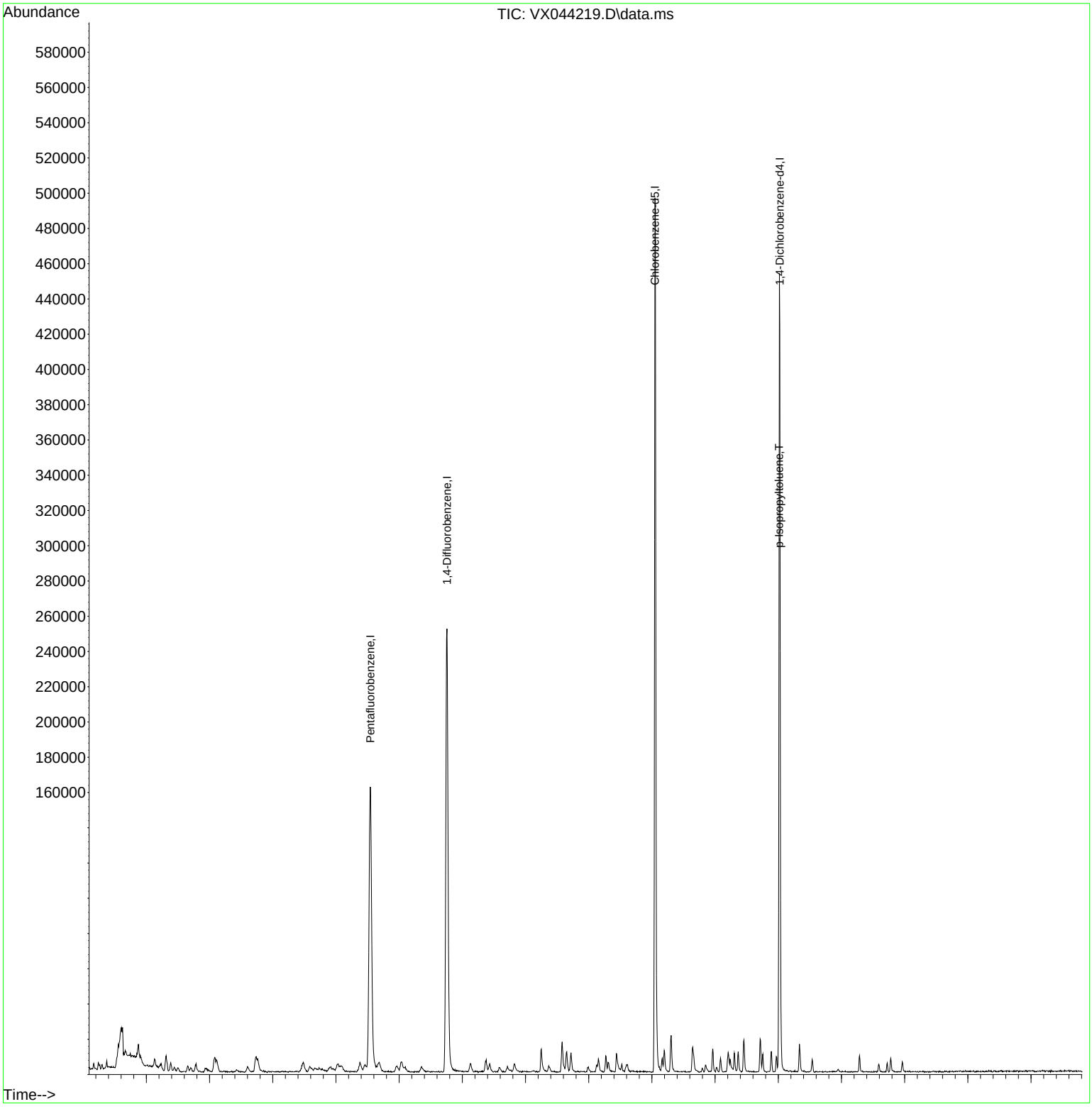
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

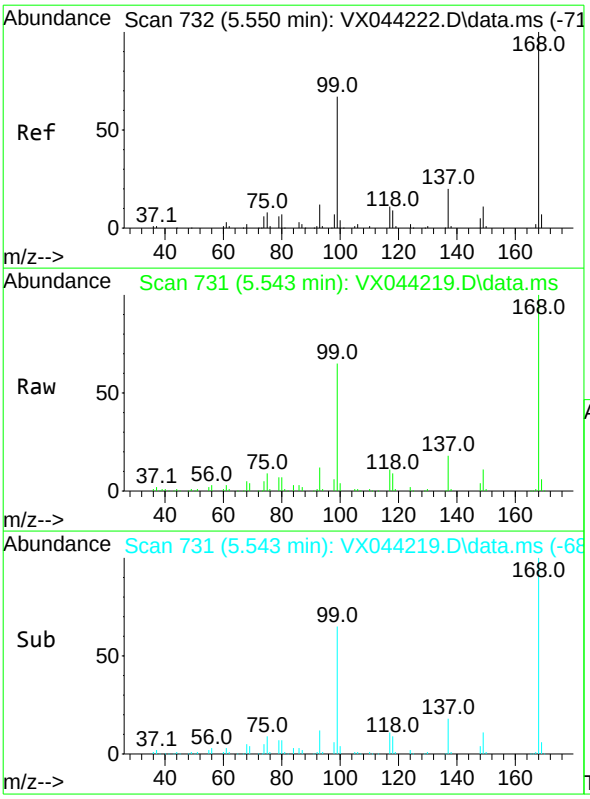
Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

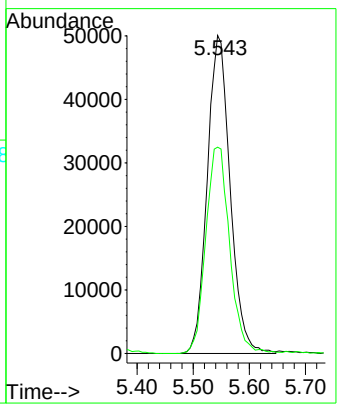





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. -0.007 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:168 Resp: 141947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.9 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

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**APPROVED**

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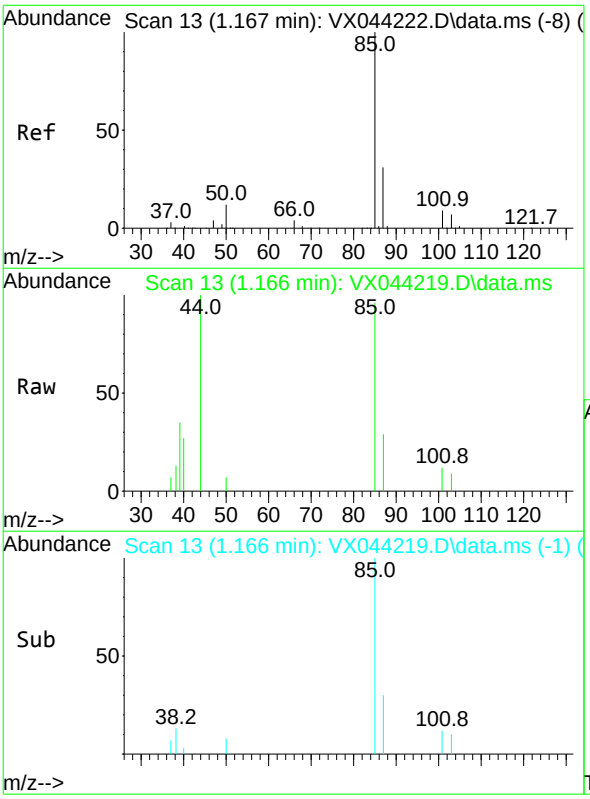
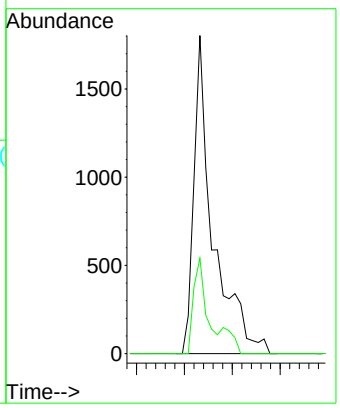
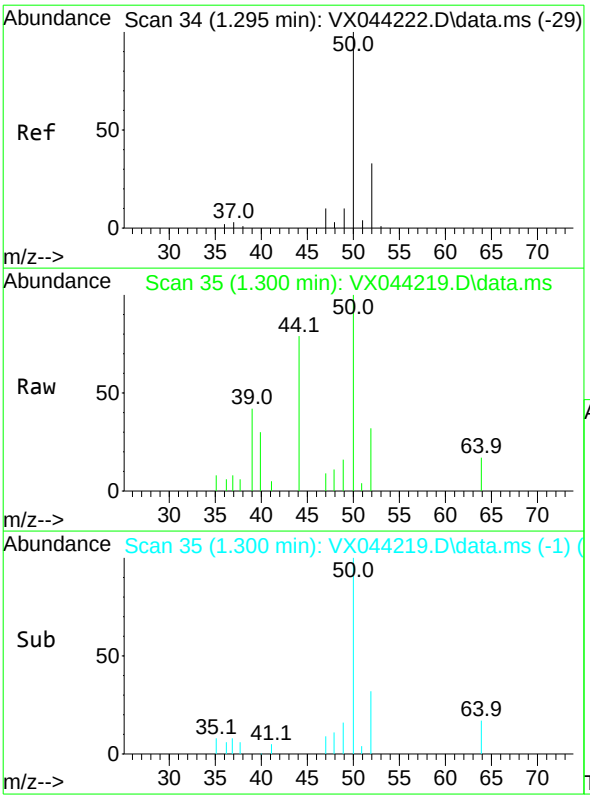



#2
Dichlorodifluoromethane
Concen: 1.135 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 85 Resp: 2491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.0 | 15.4 | 46.4 |

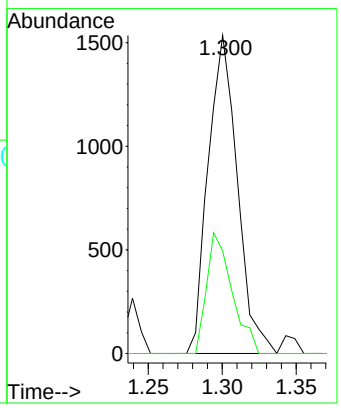





#3
Chloromethane
Concen: 1.005 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 50 Resp: 2109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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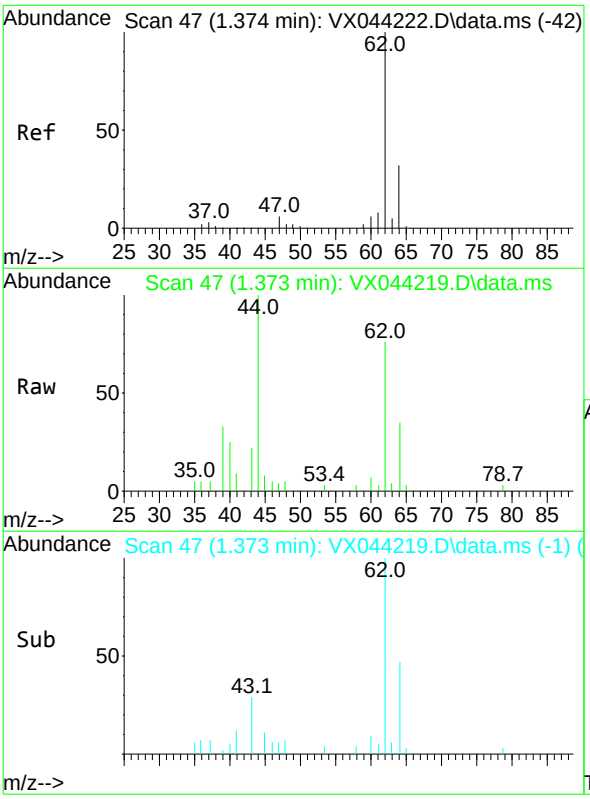
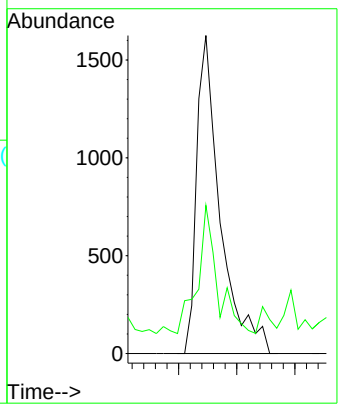
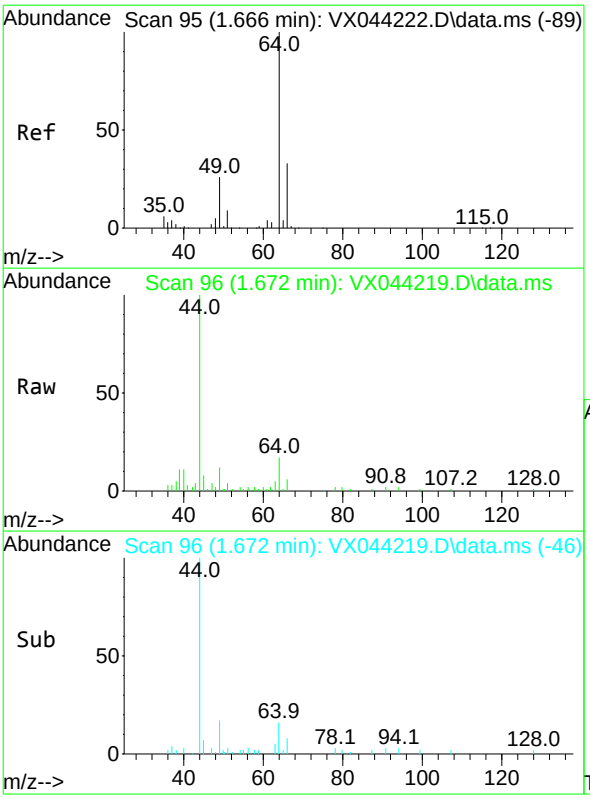



#4
Vinyl Chloride
Concen: 1.045 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 62 Resp: 2285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 40.3 | 25.7 | 38.5# |

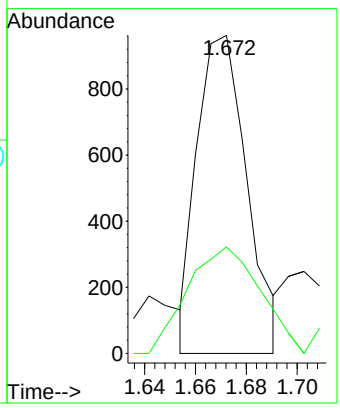





#6
Chloroethane
Concen: 0.967 ug/l m
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 64 Resp: 1316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.5 | 26.6 | 39.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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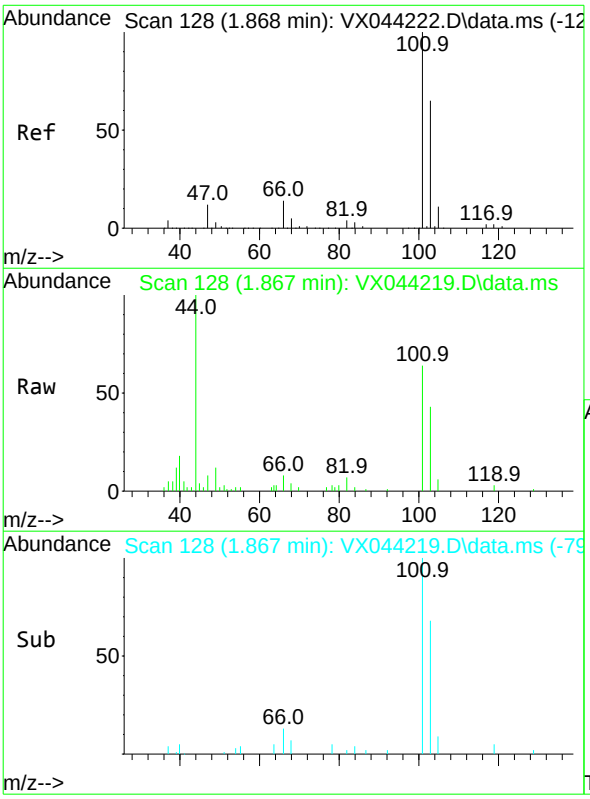
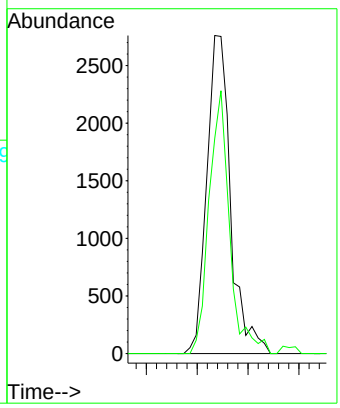
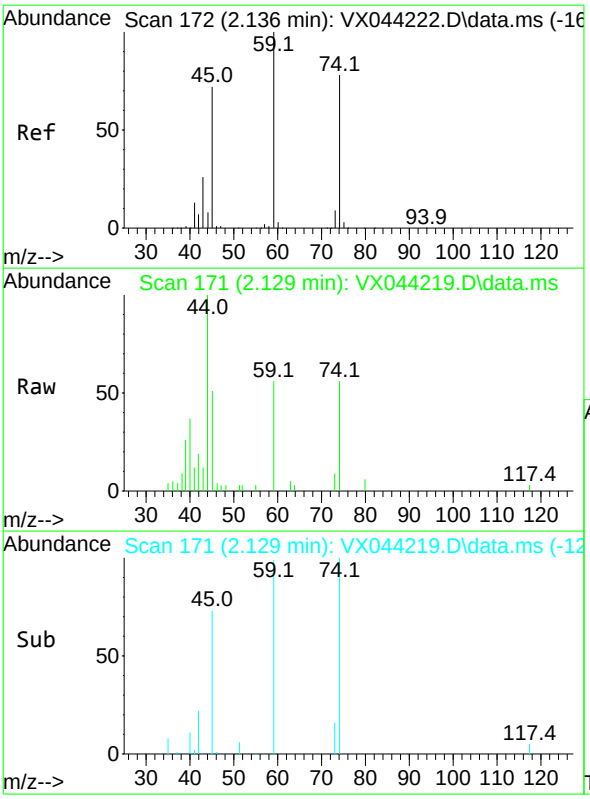



#7
Trichlorofluoromethane
Concen: 1.049 ug/l
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:101 Resp: 4491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.7 | 51.8 | 77.8 |






#8
Diethyl Ether
Concen: 1.130 ug/l
RT: 2.129 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 74 Resp: 1651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 118.0 | 48.4 | 145.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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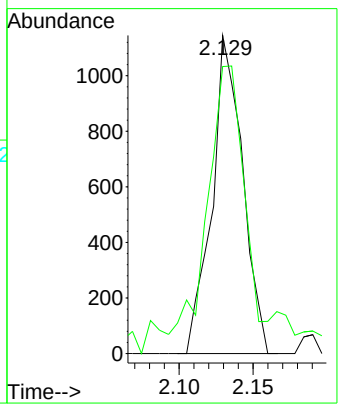
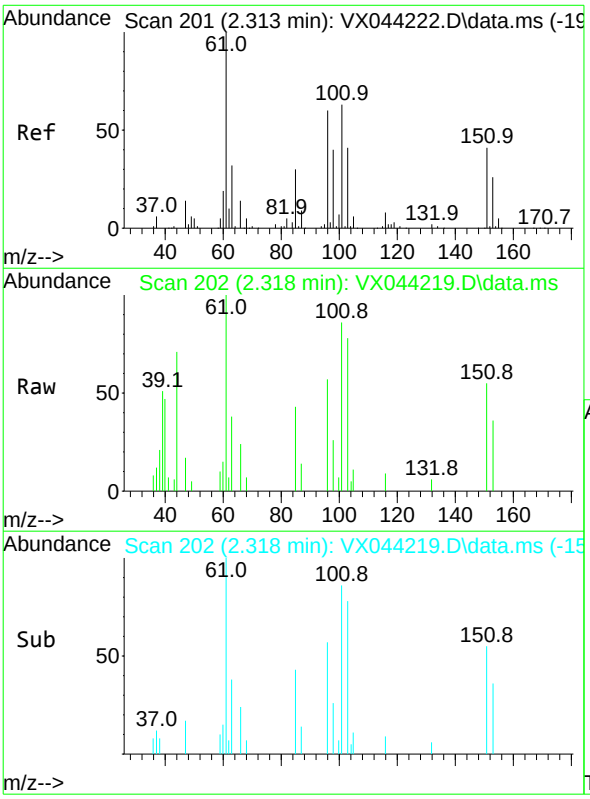
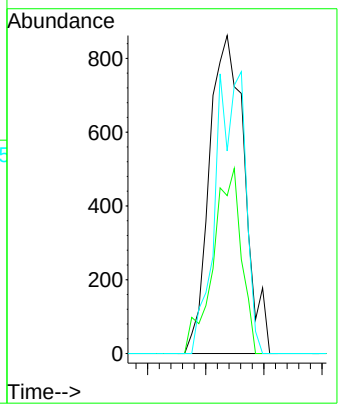


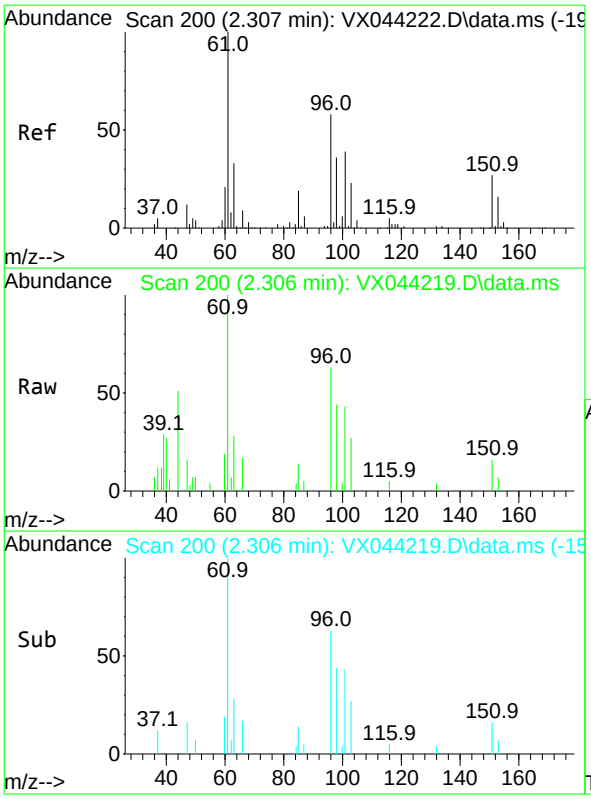




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.037 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:101 Resp: 1796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.3 | 38.5 | 57.7 |
| 151 | 76.1 | 55.8 | 83.6 |

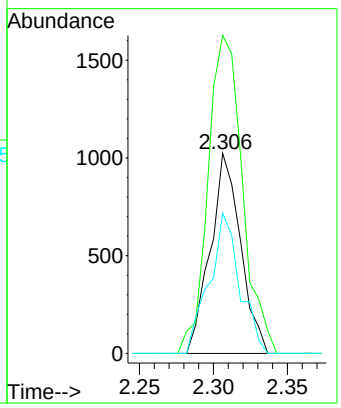





#12
1,1-Dichloroethene
Concen: 0.914 ug/l
RT: 2.306 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 96 Resp: 1454

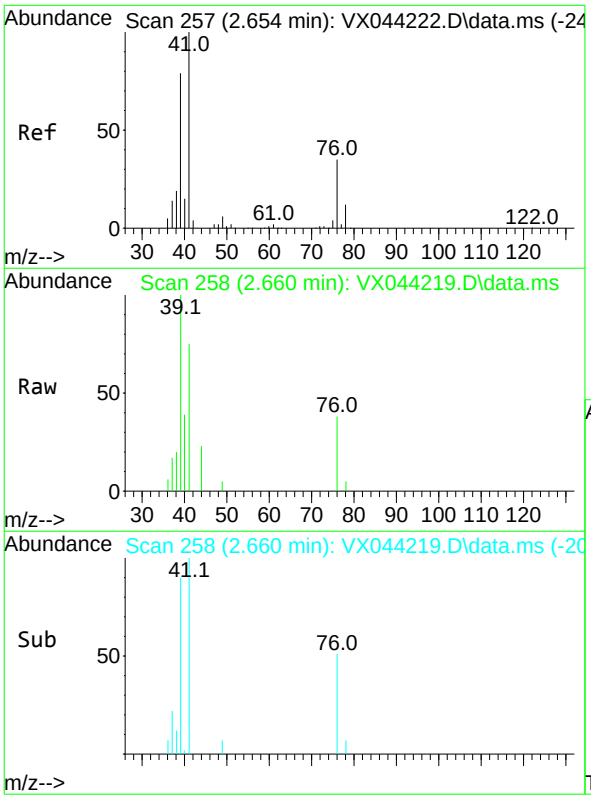
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.9 | 138.0 | 207.0 |
| 98 | 70.0 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

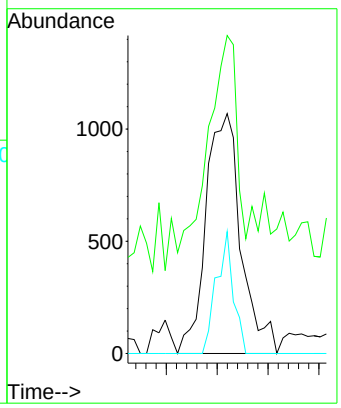
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

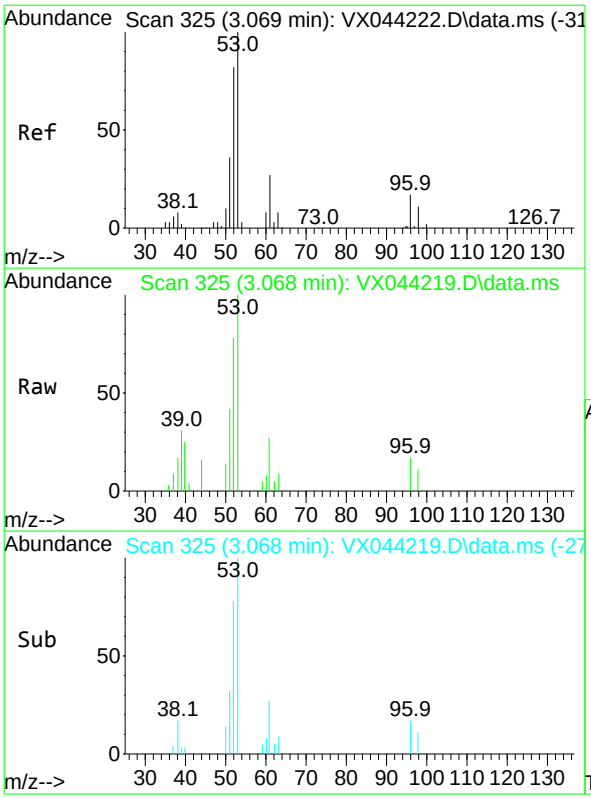



#14
Allyl chloride
Concen: 0.963 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 2551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.6 | 61.9 | 92.9 |
| 76 | 24.6 | 27.4 | 41.2# |

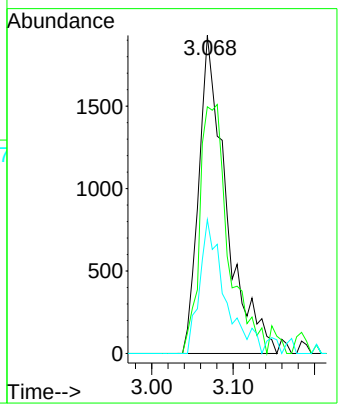





#15
Acrylonitrile
Concen: 4.660 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 53 Resp: 4528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.4 | 67.4 | 101.0 |
| 51 | 38.3 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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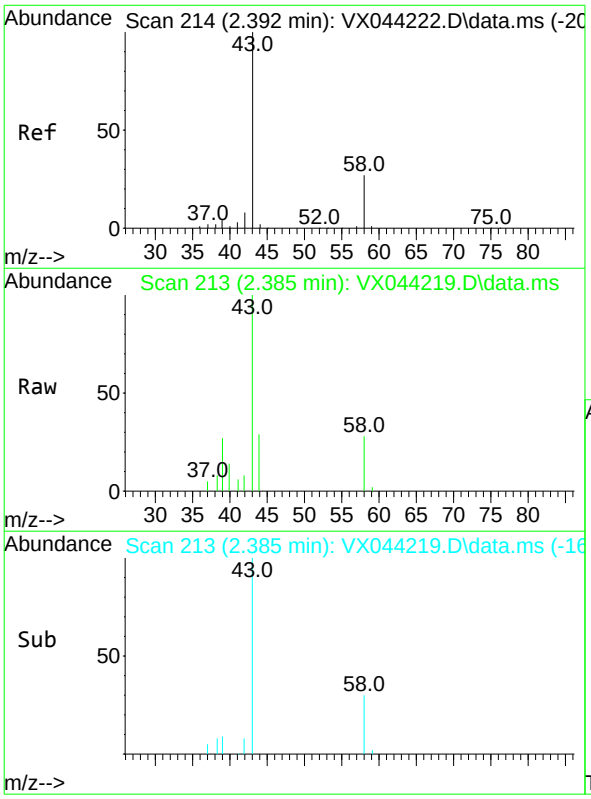
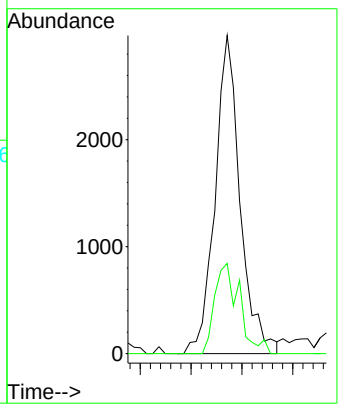
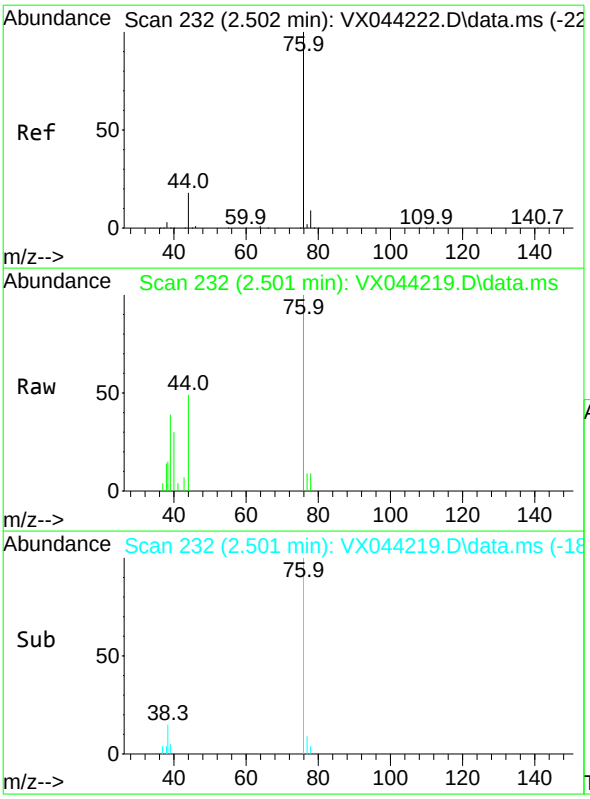



#16
Acetone
Concen: 5.022 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 5096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.3 | 21.6 | 32.4 |

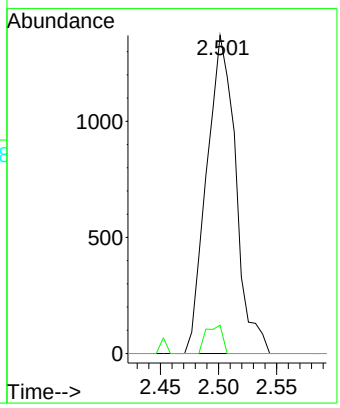





#17
Carbon Disulfide
Concen: 0.789 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 76 Resp: 2387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

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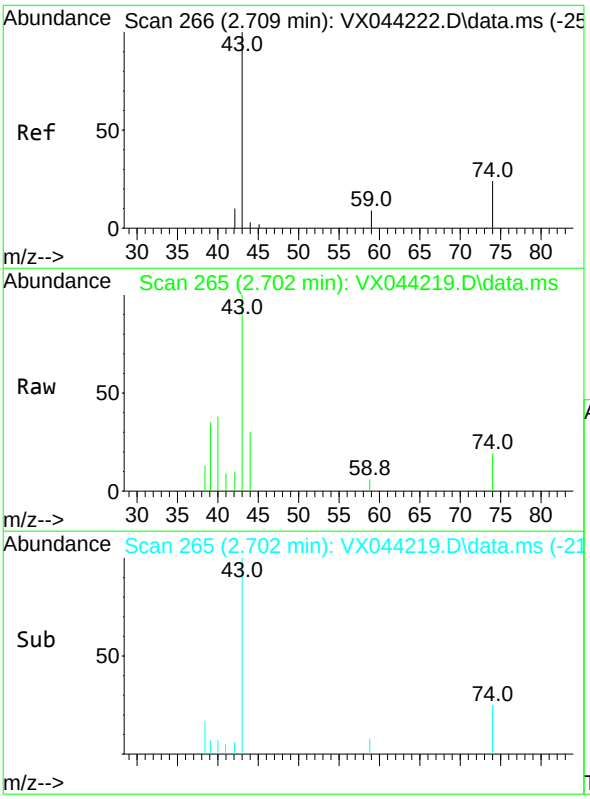
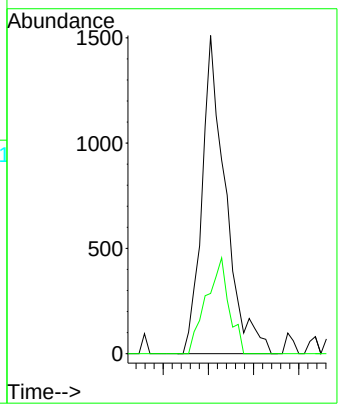
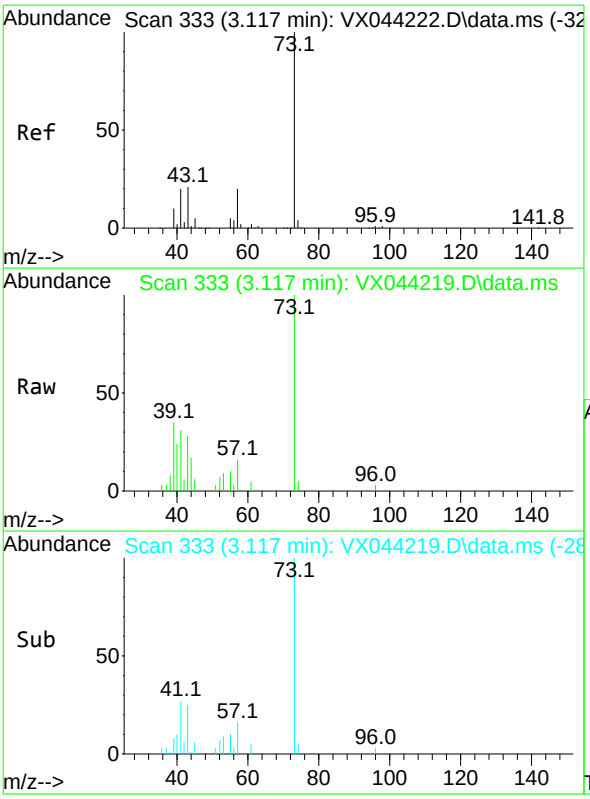



#18
Methyl Acetate
Concen: 1.047 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 28.9 | 17.7 | 26.5# |






#19
Methyl tert-butyl Ether
Concen: 0.939 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 73 Resp: 5832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 16.0 | 16.2 | 24.4# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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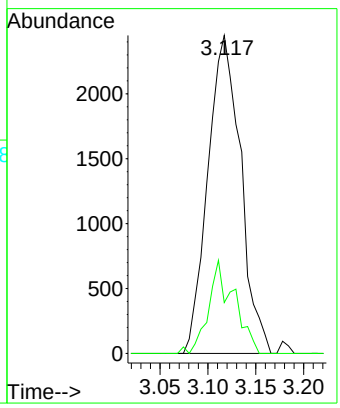
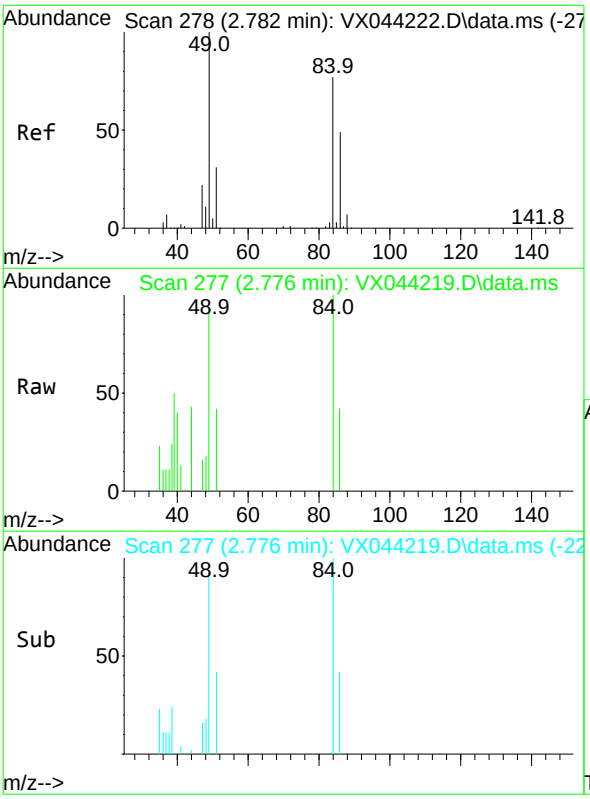
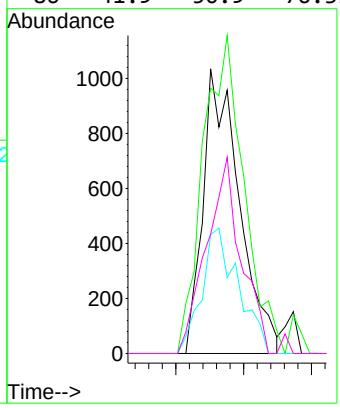


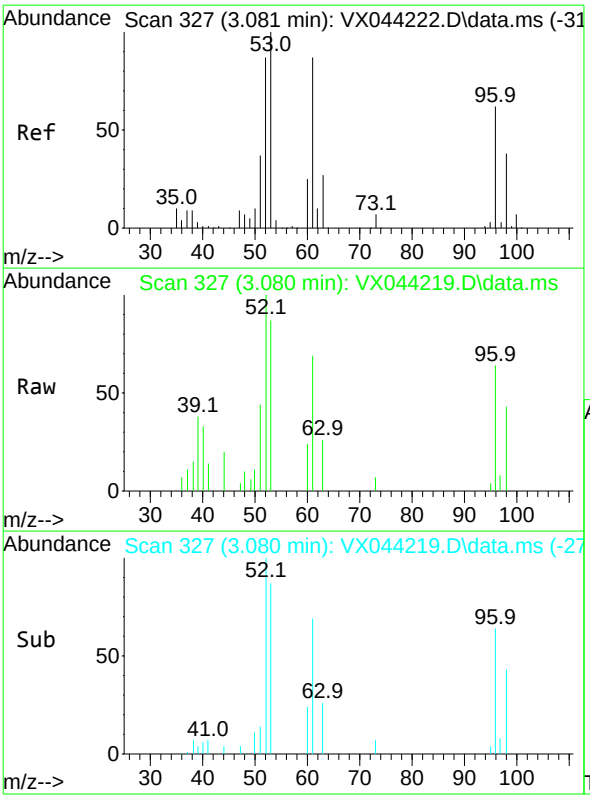




#20
Methylene Chloride
Concen: 1.012 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 84 Resp: 1928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 93.2 | 104.2 | 156.4# |
| 51 | 41.7 | 32.2 | 48.4 |
| 86 | 41.9 | 50.9 | 76.3# |

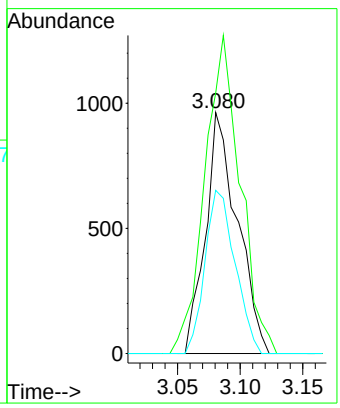





#21
trans-1,2-Dichloroethene
Concen: 1.007 ug/l
RT: 3.080 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 96 Resp: 1703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 108.1 | 112.0 | 168.0# |
| 98 | 67.7 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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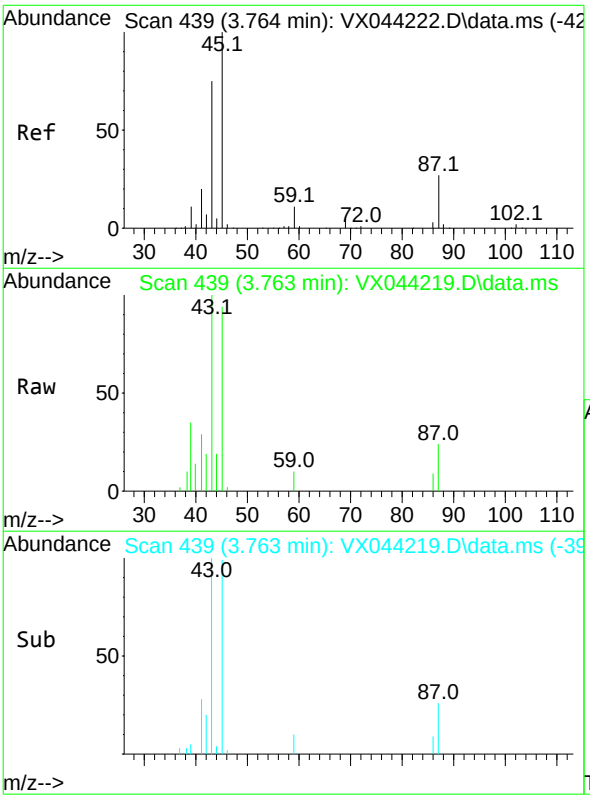
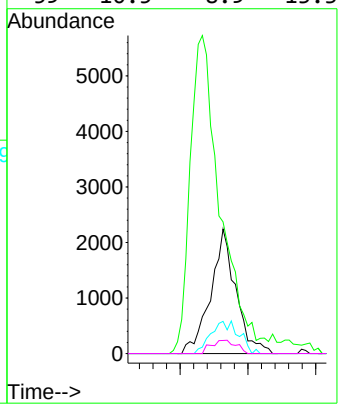
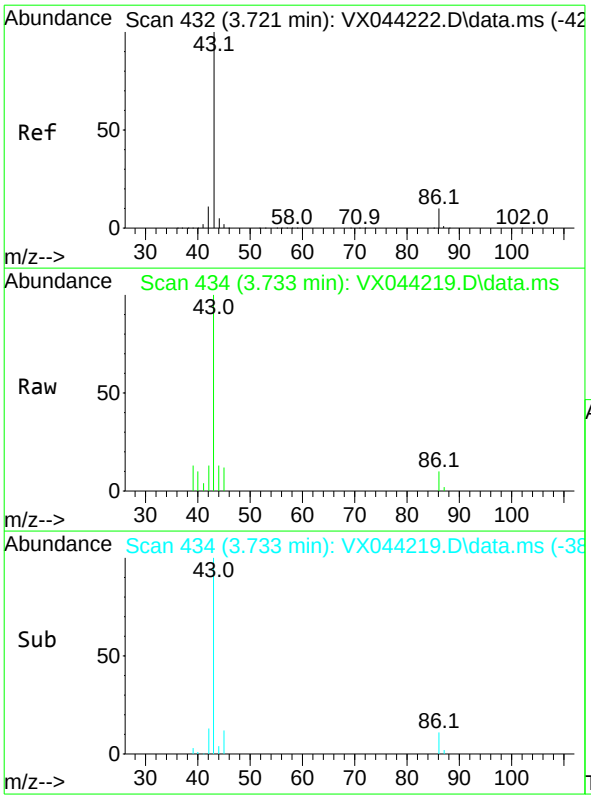



#22
Diisopropyl ether
Concen: 0.971 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 45 Resp: 5792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 96.8 | 60.2 | 90.2# |
| 87 | 25.9 | 21.2 | 31.8 |
| 59 | 10.5 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 3.623 ug/l
RT: 3.733 min Scan# 43
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

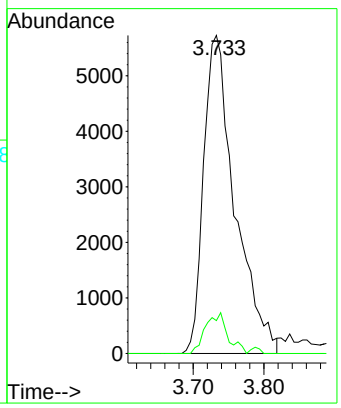
Tgt Ion: 43 Resp: 17578

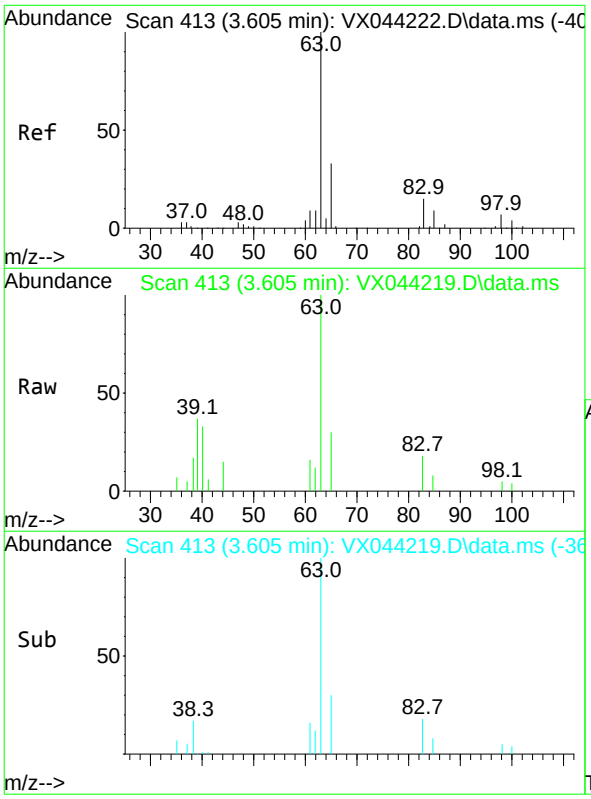
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.3 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

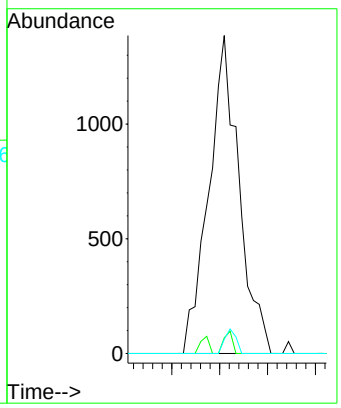


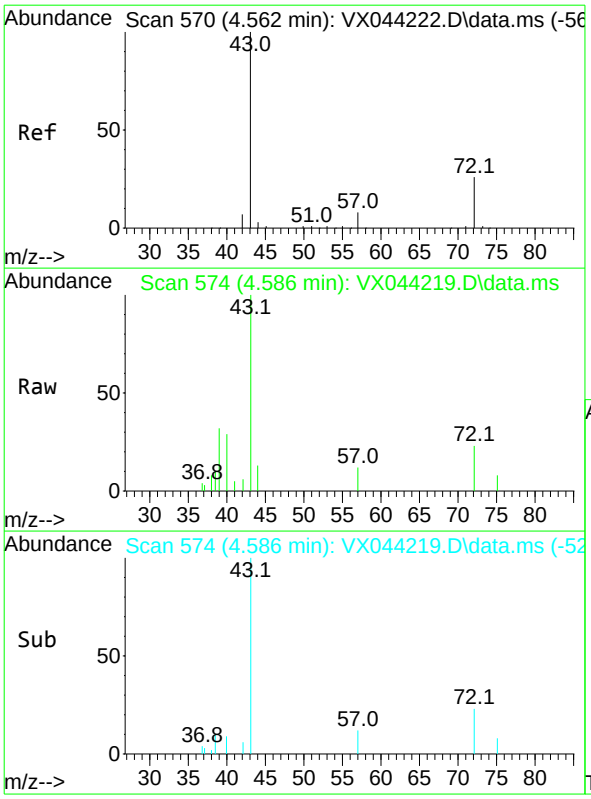




#24
1,1-Dichloroethane
Concen: 0.914 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 3040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.9 | 3.6 | 10.8 |
| 100 | 4.5 | 2.1 | 6.3 |

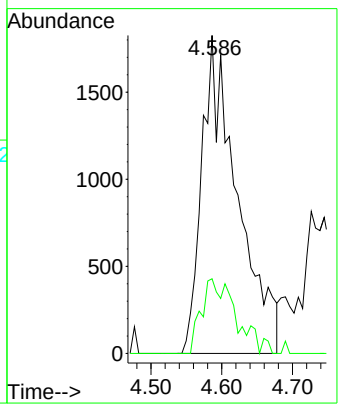





#25
2-Butanone
Concen: 4.423 ug/l
RT: 4.586 min Scan# 57
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 6380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.5 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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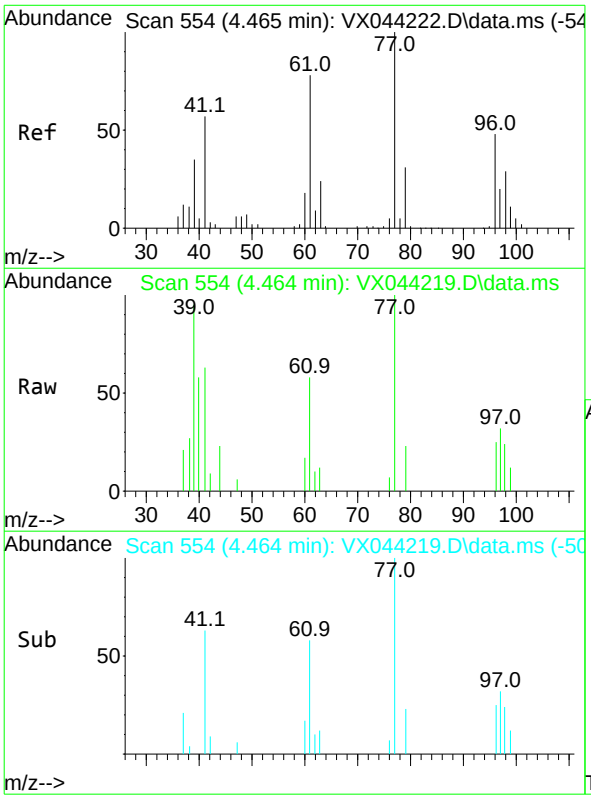
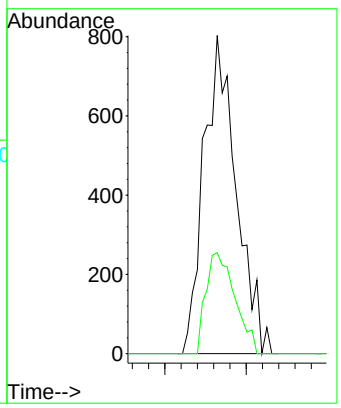
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

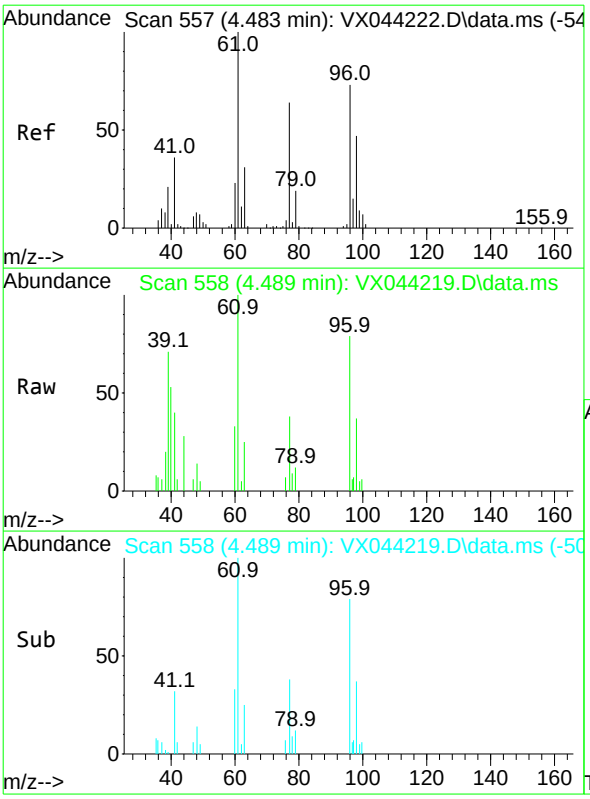



#26
2,2-Dichloropropane
Concen: 0.821 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 77 Resp: 2220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 28.4 | 10.7 | 32.1 |

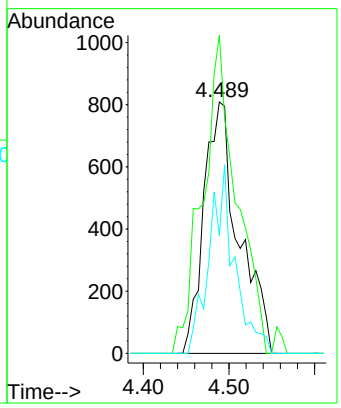





#27
cis-1,2-Dichloroethene
Concen: 1.069 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 96 Resp: 2296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 122.2 | 0.0 | 299.0 |
| 98 | 54.0 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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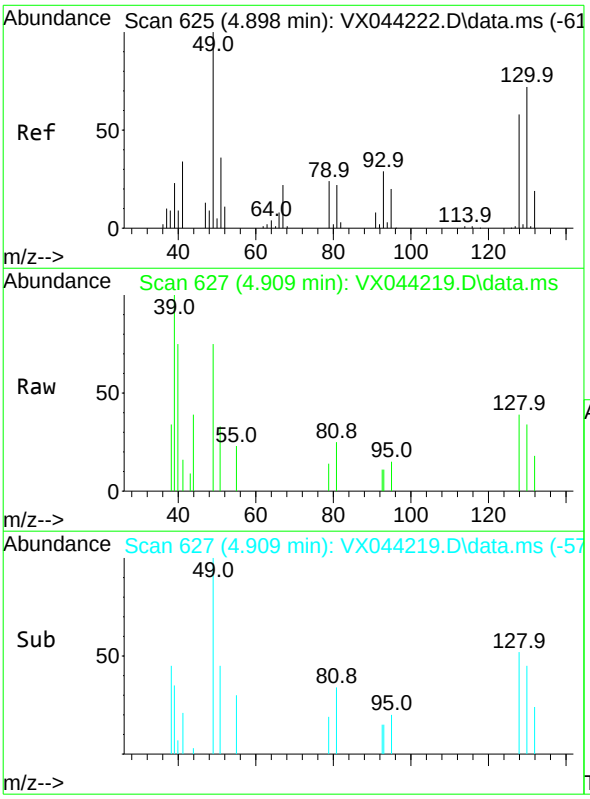
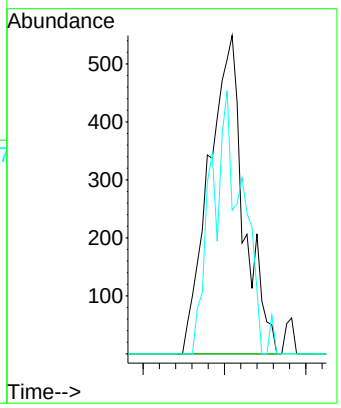
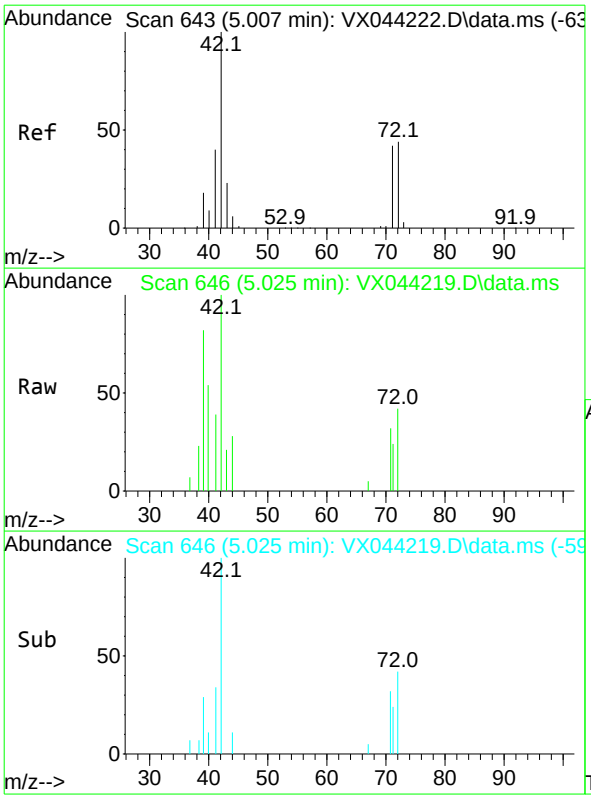



#28
Bromochloromethane
Concen: 1.006 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 49 Resp: 1641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.2 |
| 130 | 52.7 | 62.1 | 93.1# |

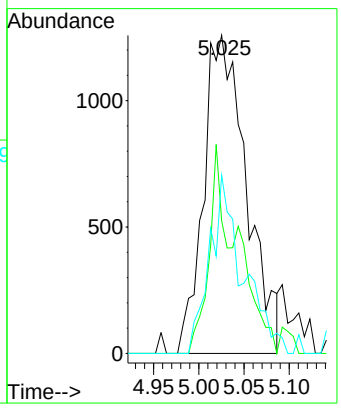





#29
Tetrahydrofuran
Concen: 4.491 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 42 Resp: 4158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 27.0 | 37.0 | 55.6# |
| 71 | 43.1 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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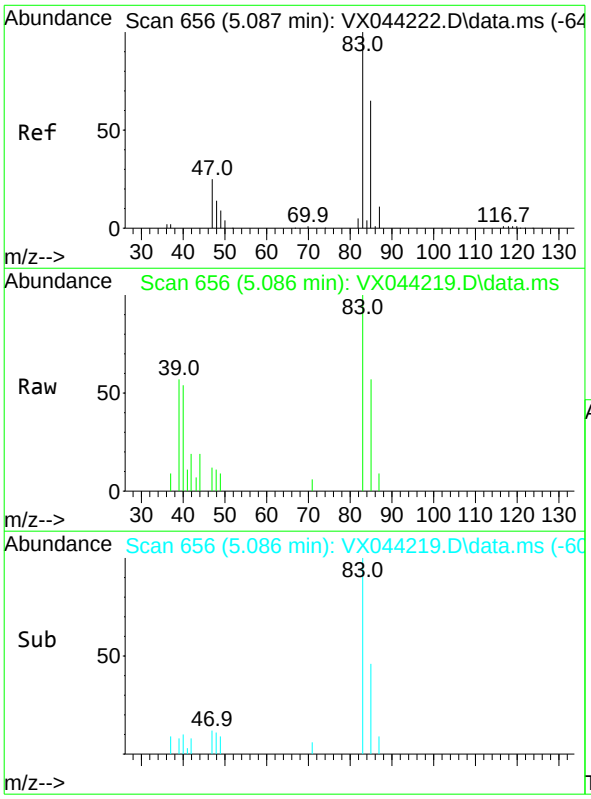
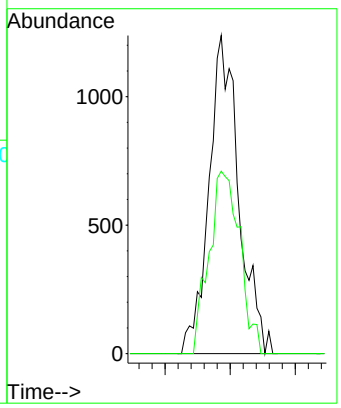
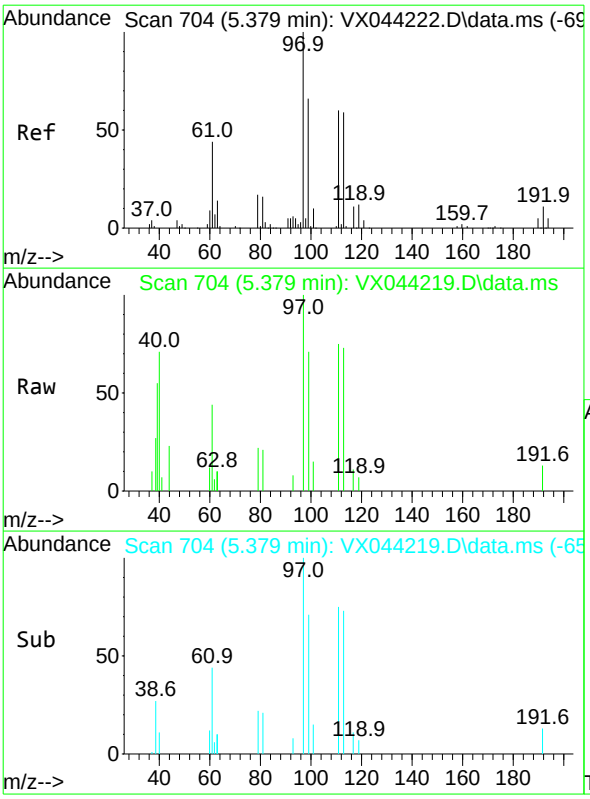



#30
Chloroform
Concen: 1.055 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 3943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 57.4 | 51.6 | 77.4 |






#32
1,1,1-Trichloroethane
Concen: 0.908 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 97 Resp: 2818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 50.8 | 76.2# |
| 61 | 49.9 | 35.2 | 52.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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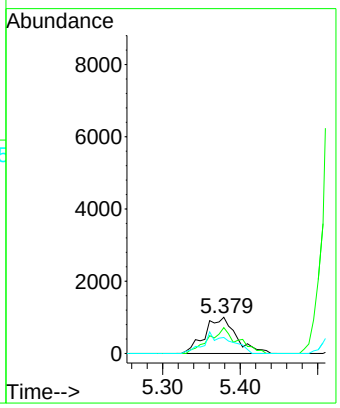
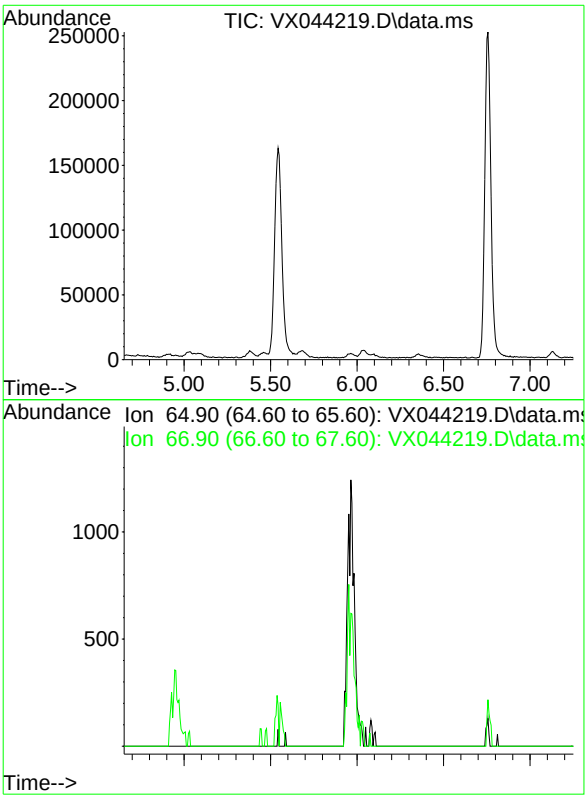


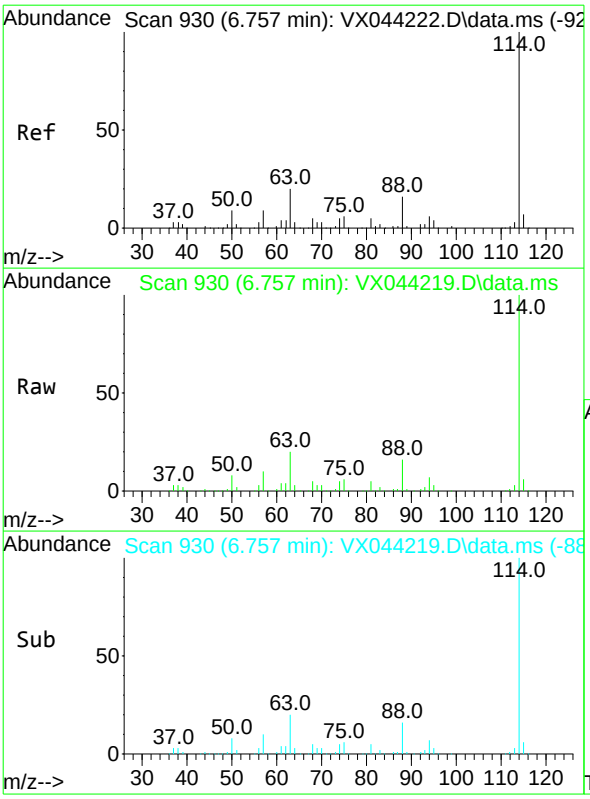




#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 65

| Sig | Exp Ratio |
|---|---|
| 65 | 100 |
| 67 | 50.8 |




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:114 Resp: 253574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.1 | 0.0 | 40.6 |
| 88 | 15.8 | 0.0 | 31.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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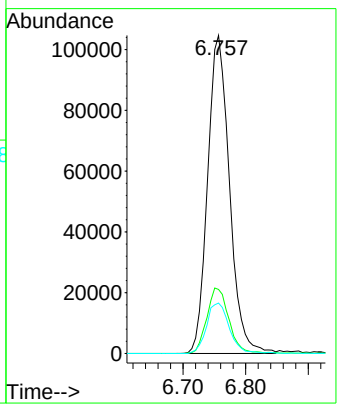
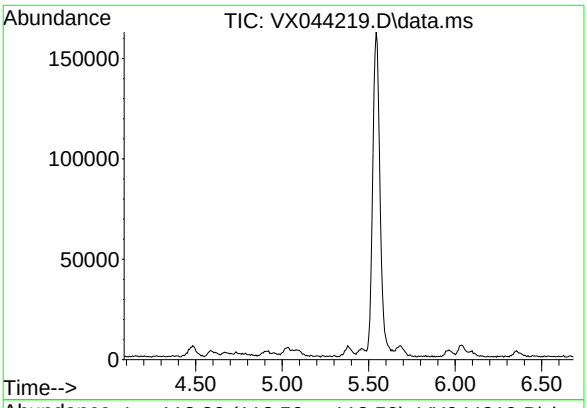


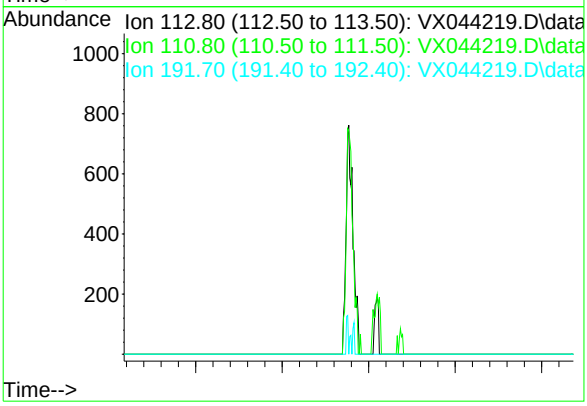



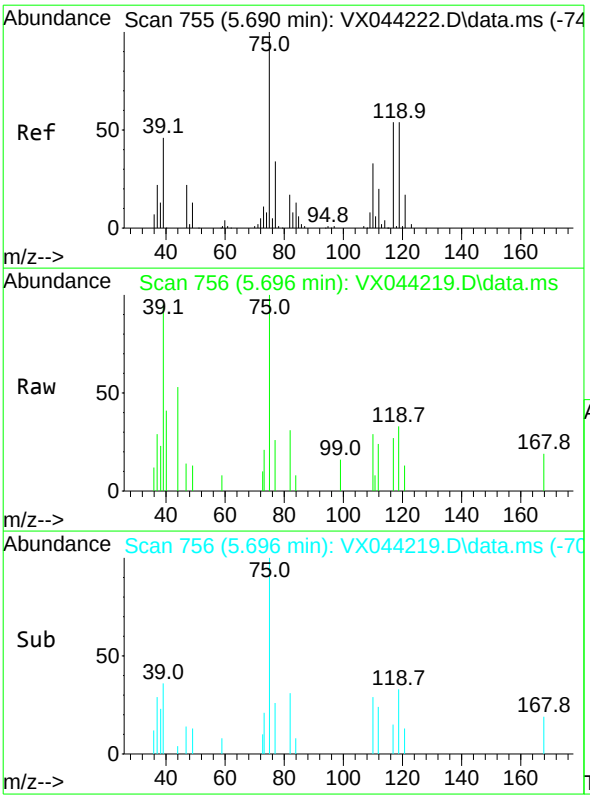

#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 113

| Sig | Exp Ratio |
|---|---|
| 113 | 100 |
| 111 | 100.5 |
| 192 | 16.6 |

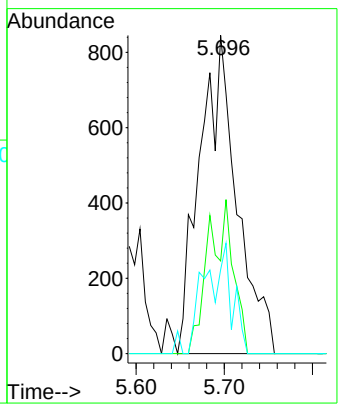





#36
1,1-Dichloropropene
Concen: 1.092 ug/l m
RT: 5.696 min Scan# 75
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 2479

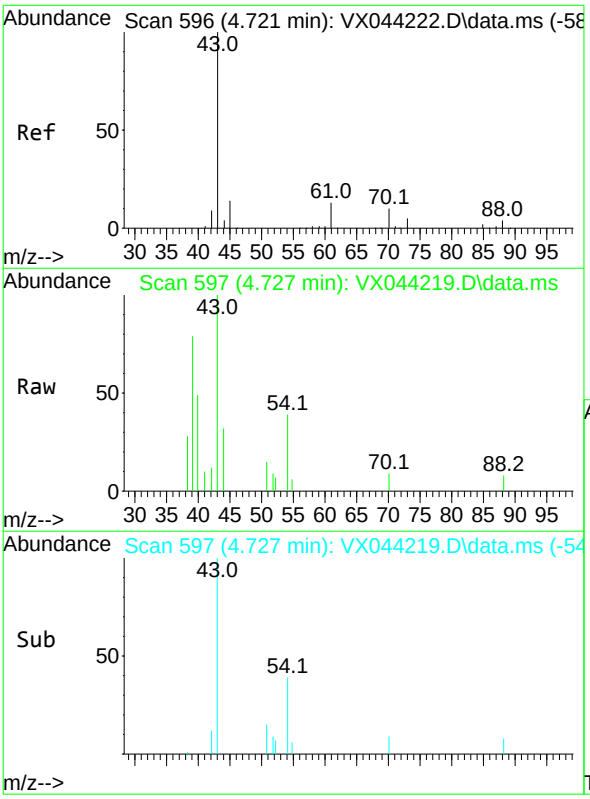
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 18.4 | 17.3 | 51.7 |
| 77 | 12.7 | 25.4 | 38.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

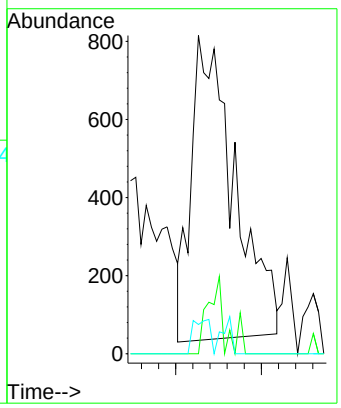
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

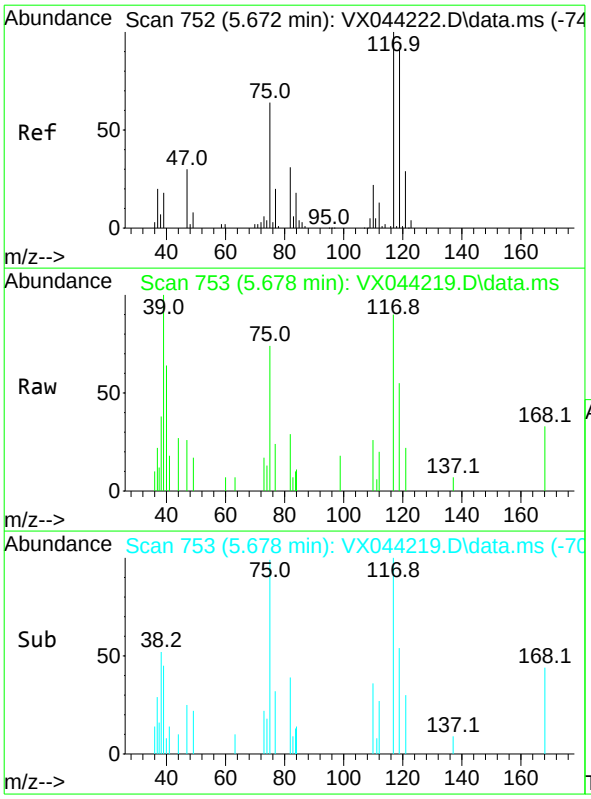



#37
Ethyl Acetate
Concen: 0.969 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 9.8 | 14.8# |
| 70 | 0.0 | 7.7 | 11.5# |

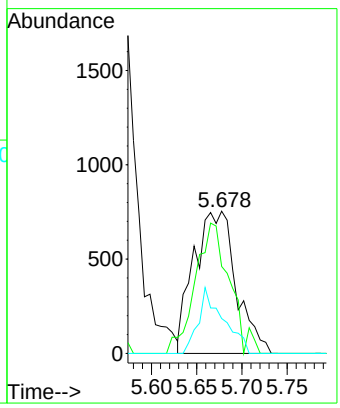





#38
Carbon Tetrachloride
Concen: 1.004 ug/l
RT: 5.678 min Scan# 75
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:117 Resp: 2454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 61.1 | 74.2 | 111.4# |
| 121 | 24.5 | 23.0 | 34.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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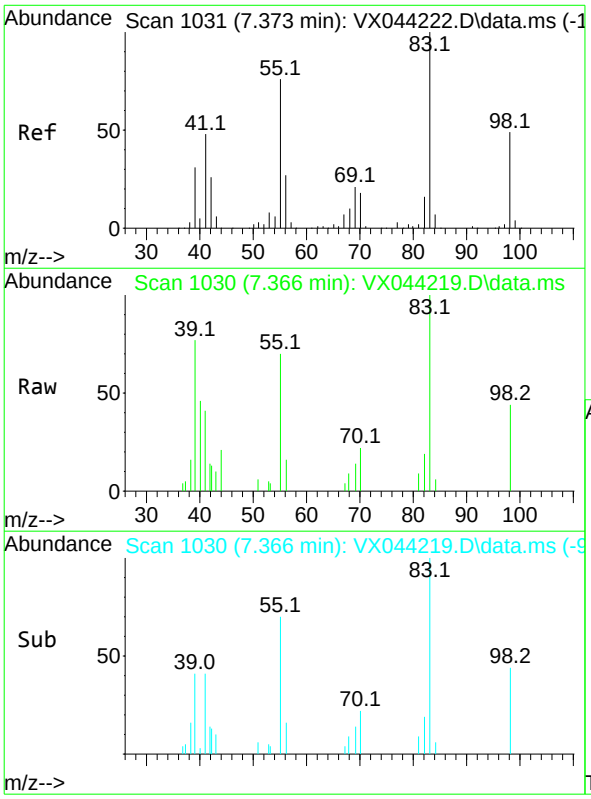
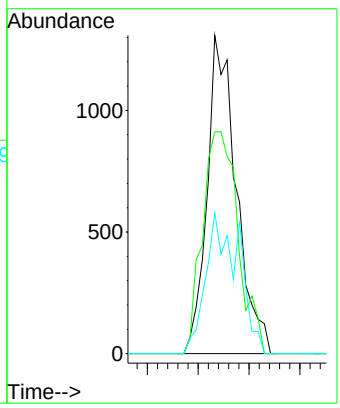
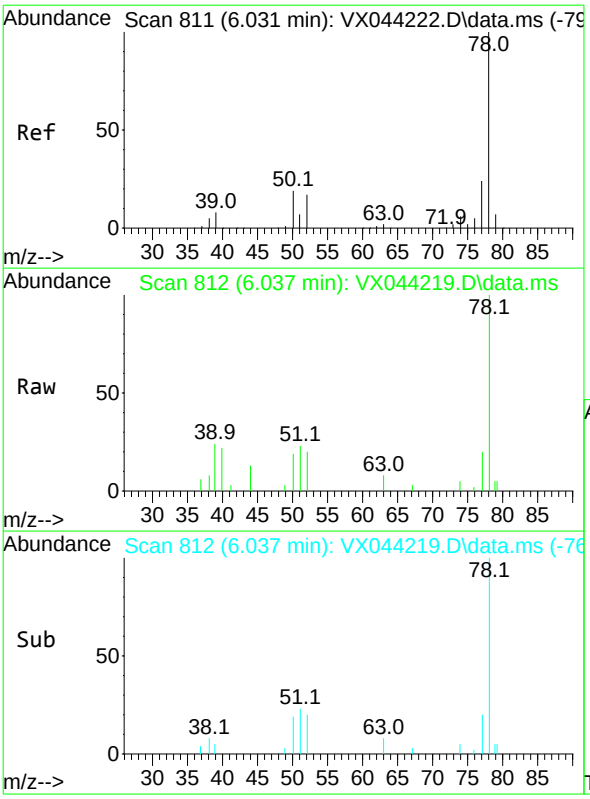



#39
Methylcyclohexane
Concen: 0.960 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 2606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 69.7 | 60.7 | 91.1 |
| 98 | 44.3 | 38.9 | 58.3 |

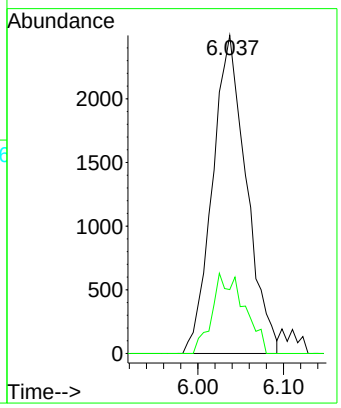





#40
Benzene
Concen: 0.996 ug/l
RT: 6.037 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 78 Resp: 6864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 20.1 | 19.3 | 28.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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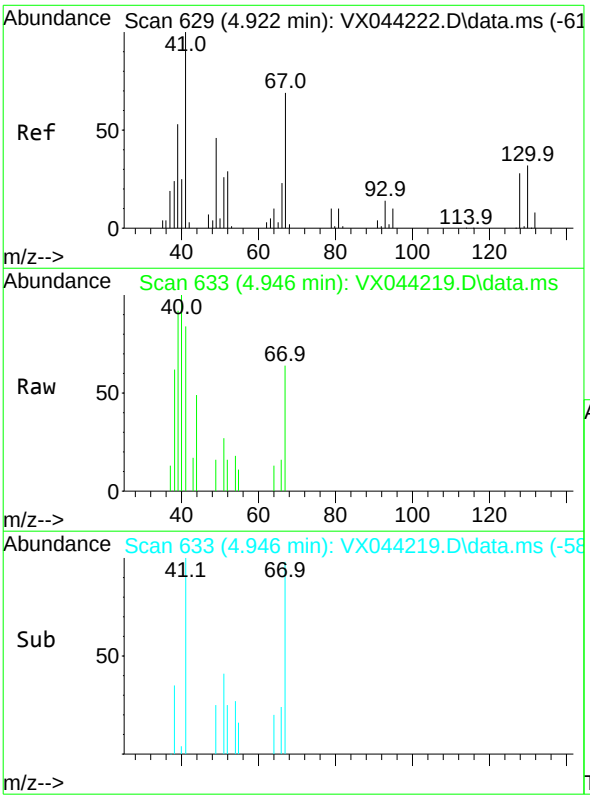
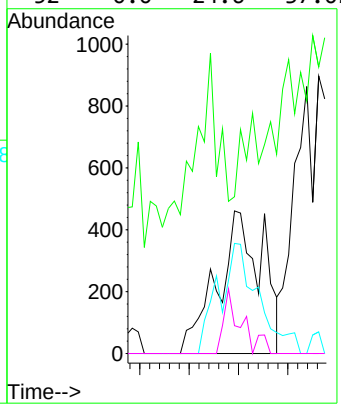
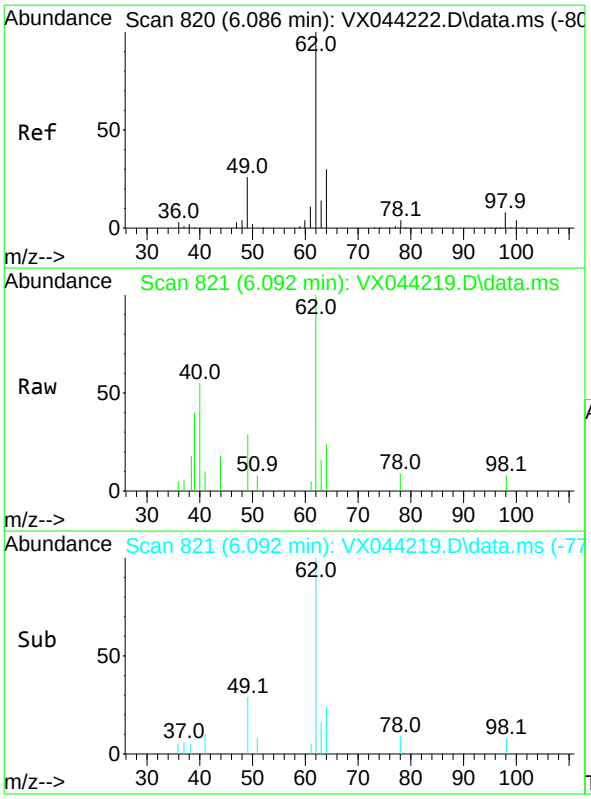



#41
Methacrylonitrile
Concen: 0.971 ug/l m
RT: 4.946 min Scan# 633
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 1447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.5 | 44.2 | 66.4 |
| 67 | 0.0 | 57.2 | 85.8# |
| 52 | 0.0 | 24.6 | 37.0# |

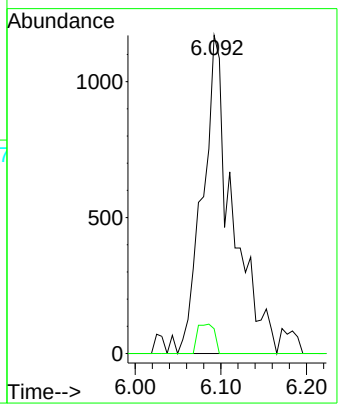





#42
1,2-Dichloroethane
Concen: 0.990 ug/l
RT: 6.092 min Scan# 82
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 62 Resp: 2810

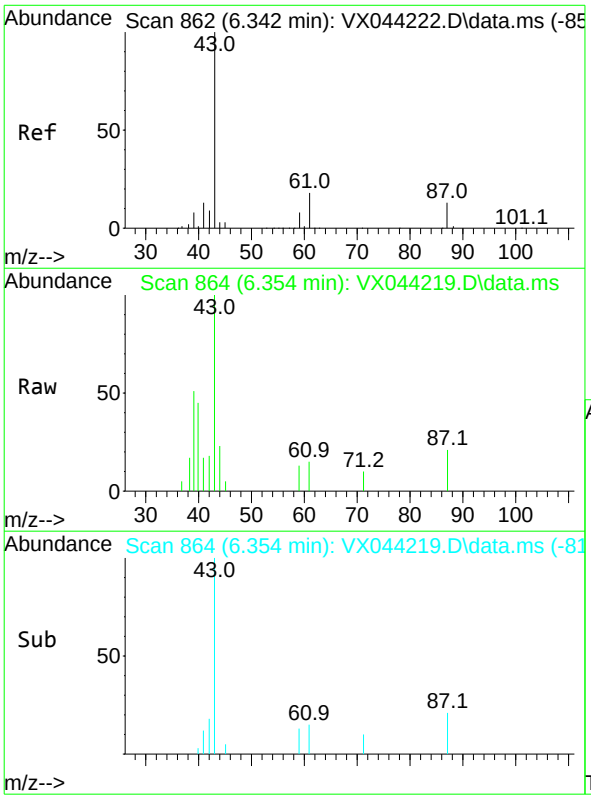
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 5.3 | 0.0 | 15.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

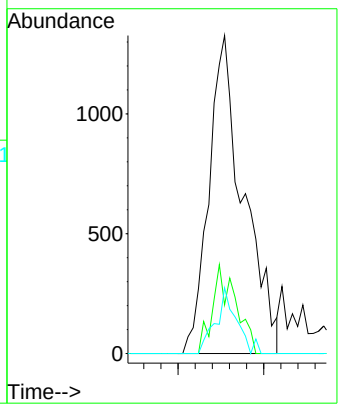
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

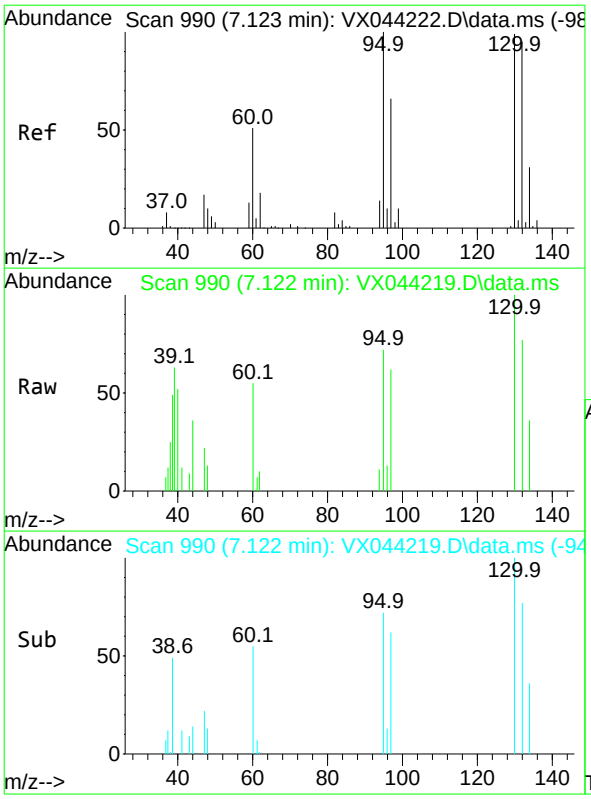



#43
Isopropyl Acetate
Concen: 0.851 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 3734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.9 | 14.2 | 21.2 |
| 87 | 12.4 | 10.2 | 15.2 |






#44
Trichloroethene
Concen: 1.051 ug/l
RT: 7.122 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

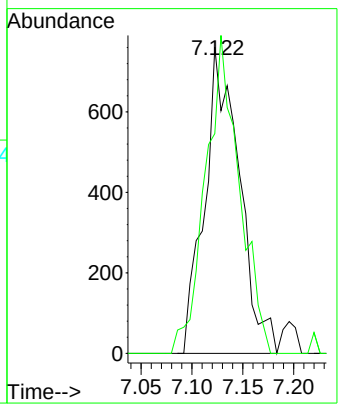
Tgt Ion:130 Resp: 1806

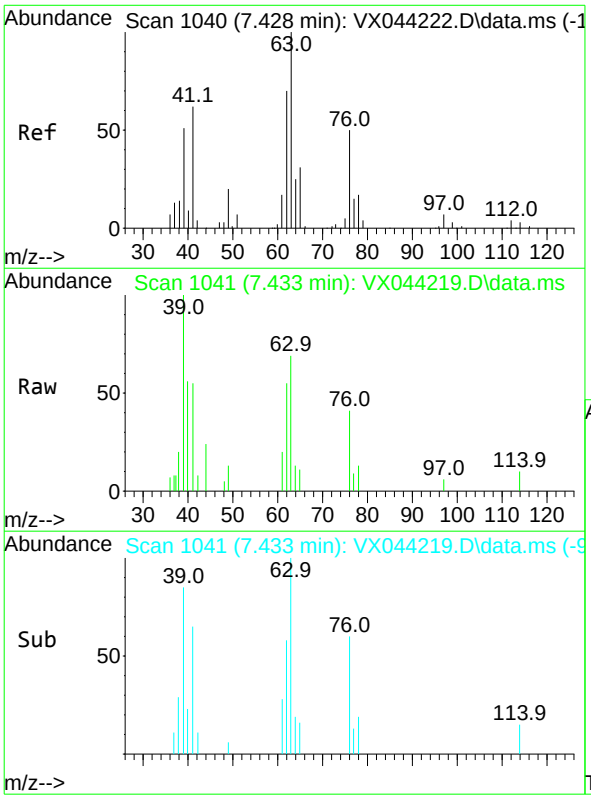
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 71.7 | 0.0 | 201.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

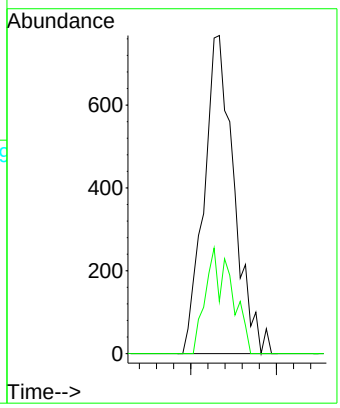


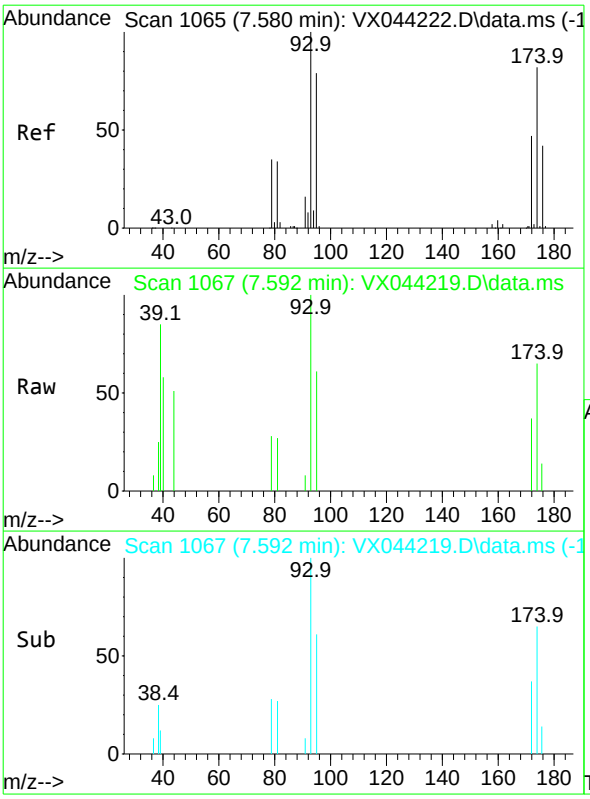




#45
1,2-Dichloropropane
Concen: 1.059 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 1865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 16.4 | 24.6 | 37.0# |

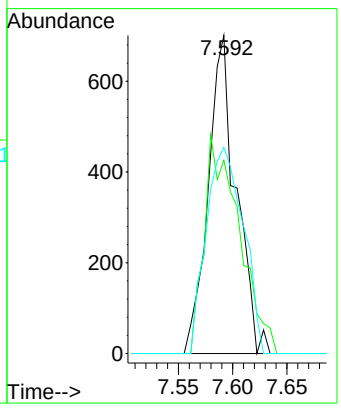





#46
Dibromomethane
Concen: 0.916 ug/l
RT: 7.592 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 93 Resp: 1251

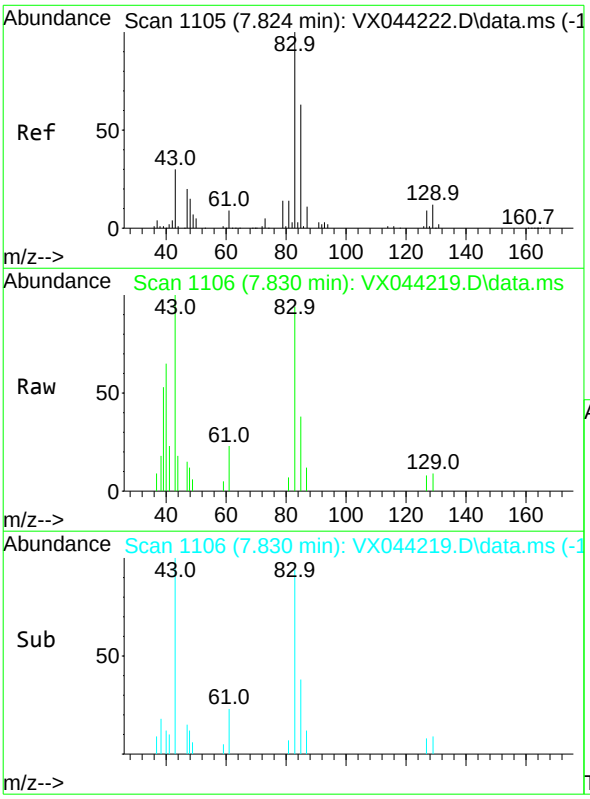
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 85.8 | 65.4 | 98.2 |
| 174 | 86.3 | 67.9 | 101.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

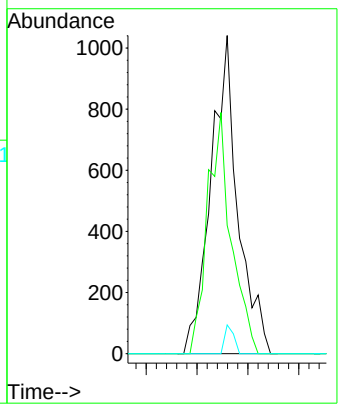
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

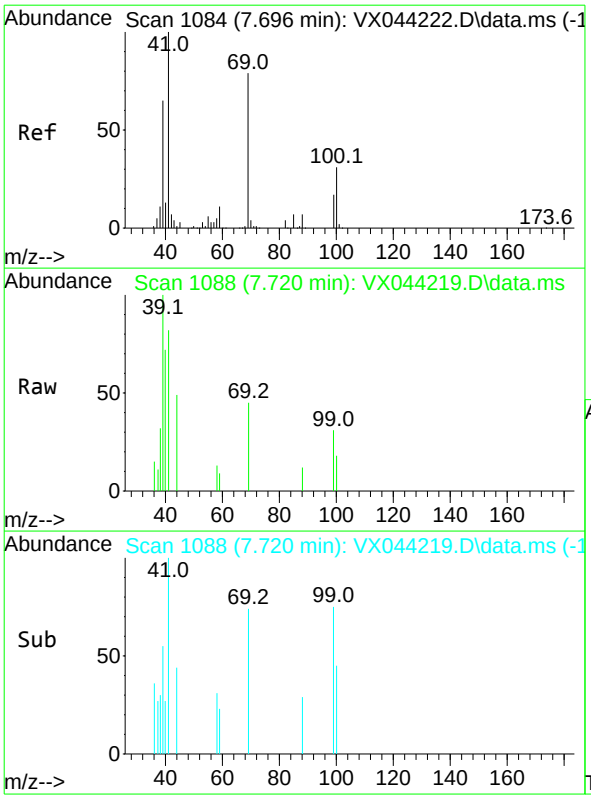



#47
Bromodichloromethane
Concen: 0.816 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 1926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 40.3 | 50.6 | 75.8# |
| 127 | 9.0 | 7.3 | 10.9 |






#48
Methyl methacrylate
Concen: 1.018 ug/l
RT: 7.720 min Scan# 10
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 2168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 43.9 | 62.4 | 93.6# |
| 39 | 64.1 | 53.3 | 79.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

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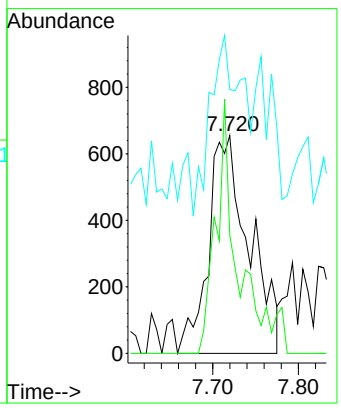
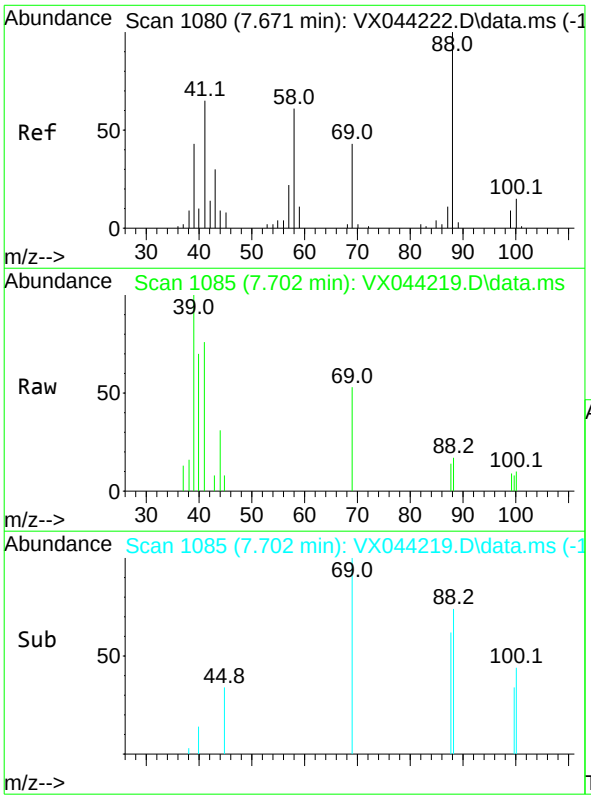
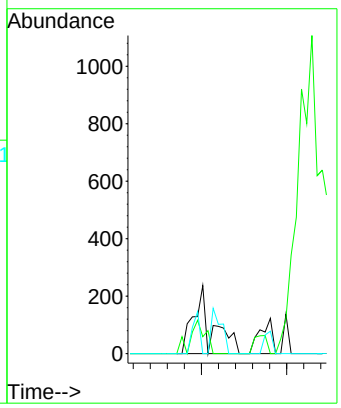


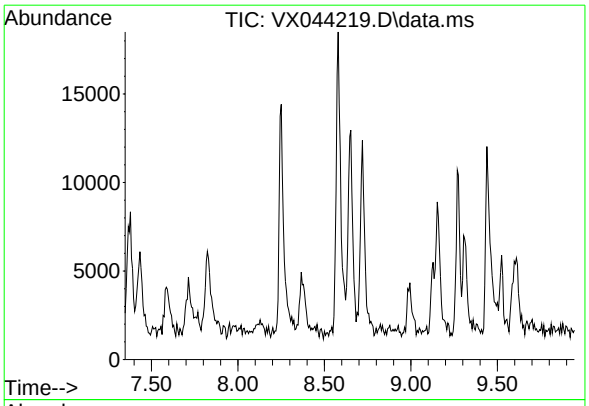




#49
1,4-Dioxane
Concen: 13.522 ug/l m
RT: 7.702 min Scan# 1085
Delta R.T. 0.030 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 88 Resp: 492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 28.9 | 27.1 | 40.7 |
| 58 | 17.7 | 41.0 | 61.4# |






#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 98

| Sig | Exp Ratio |
|---|---|
| 98 | 100 |
| 100 | 64.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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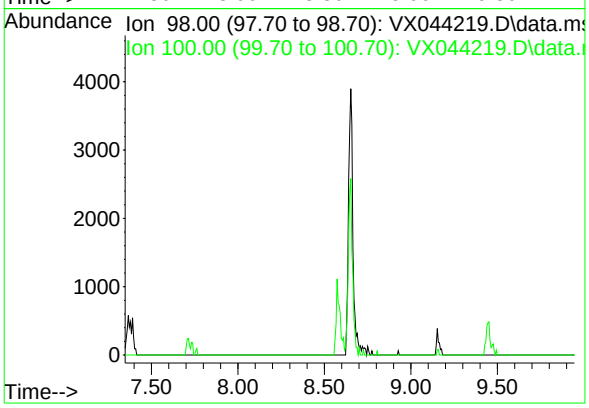
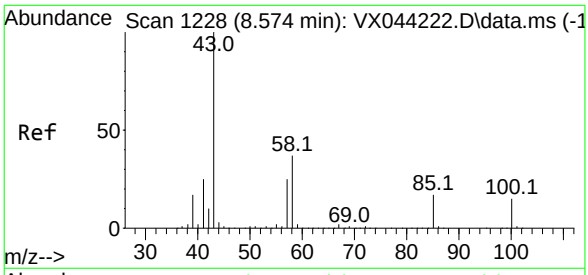
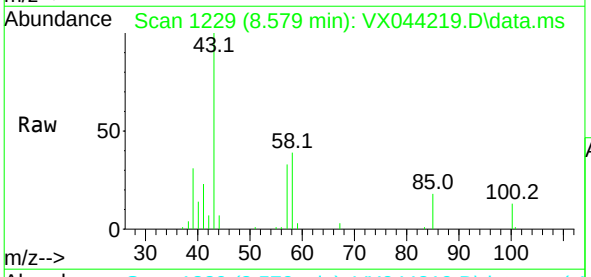


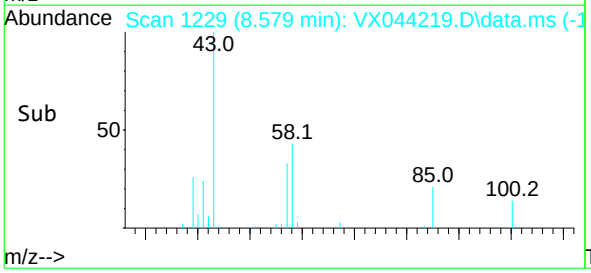



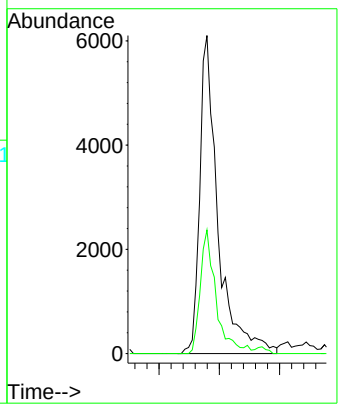

#51
4-Methyl-2-Pentanone
Concen: 4.547 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

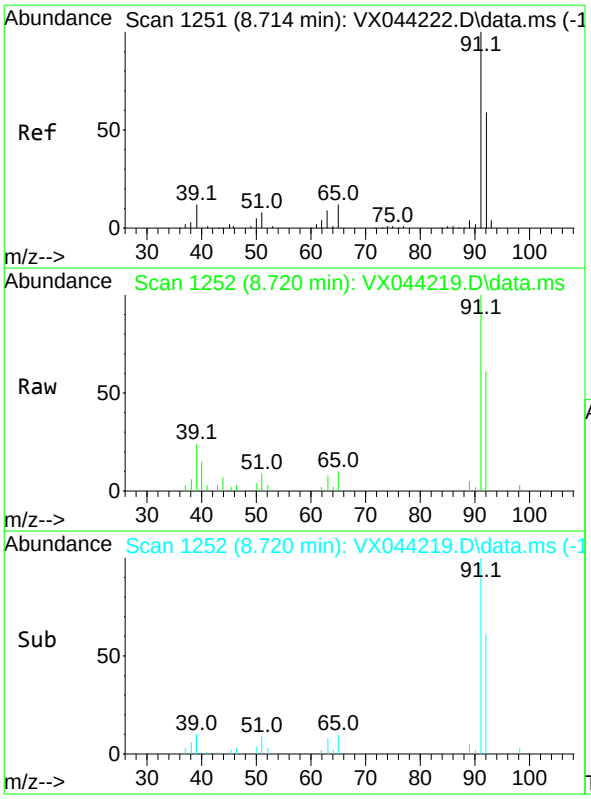
Tgt Ion: 43 Resp: 12824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.0 | 29.4 | 44.0 |



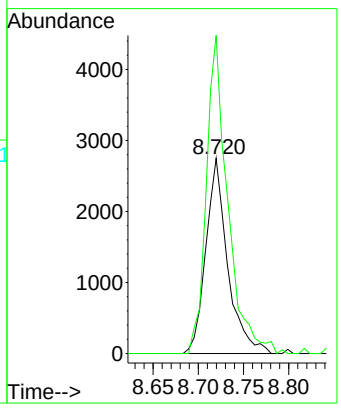






#52
Toluene
Concen: 1.064 ug/l
RT: 8.720 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 92 Resp: 4606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 160.1 | 137.0 | 205.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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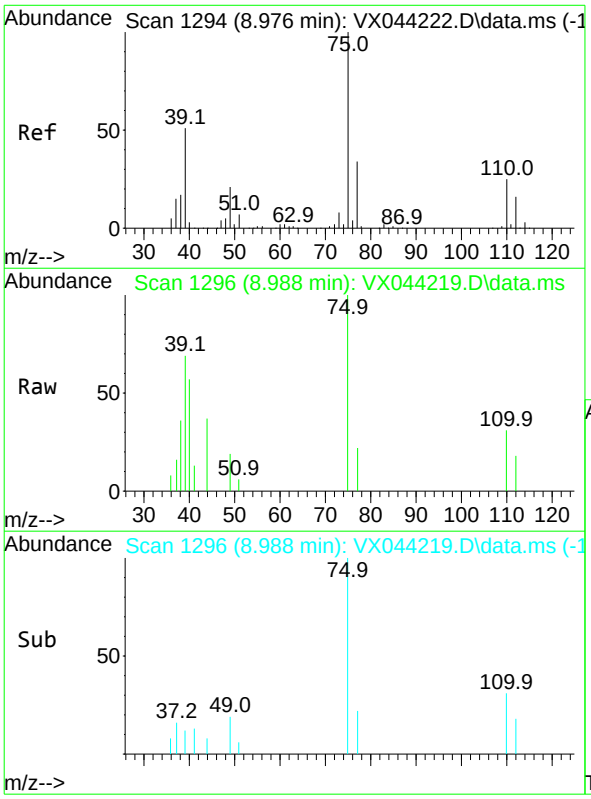
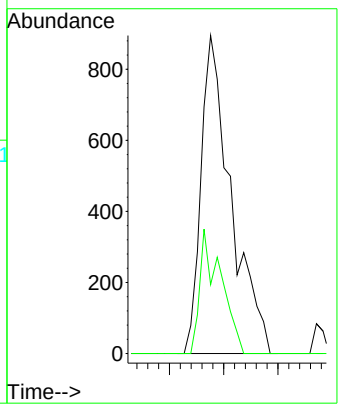
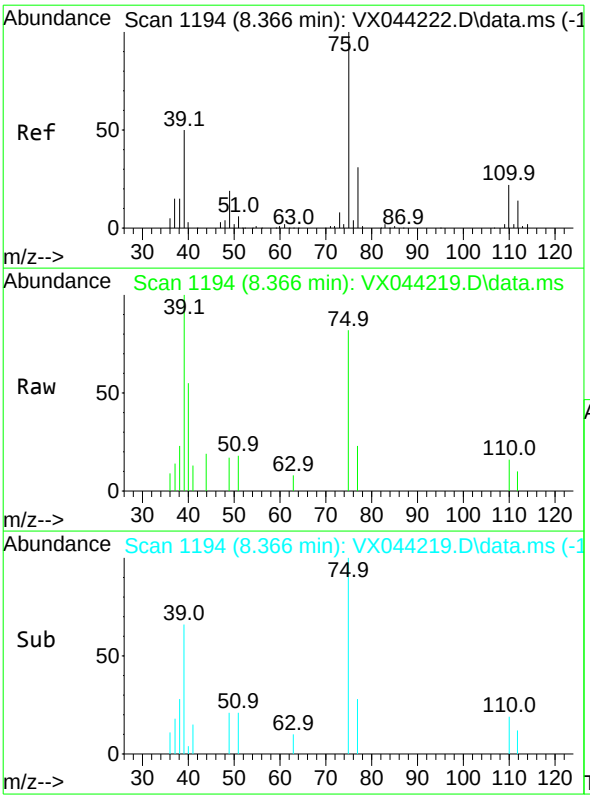



#53
t-1,3-Dichloropropene
Concen: 1.694 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 1716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 21.7 | 27.2 | 40.8# |

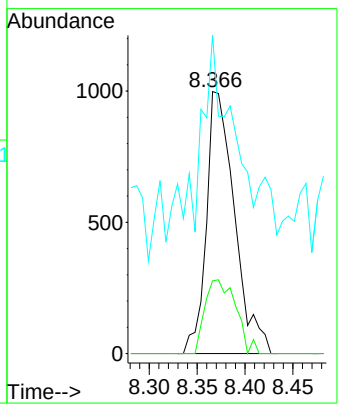





#54
cis-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 8.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 2048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 27.8 | 24.7 | 37.1 |
| 39 | 76.2 | 40.3 | 60.5# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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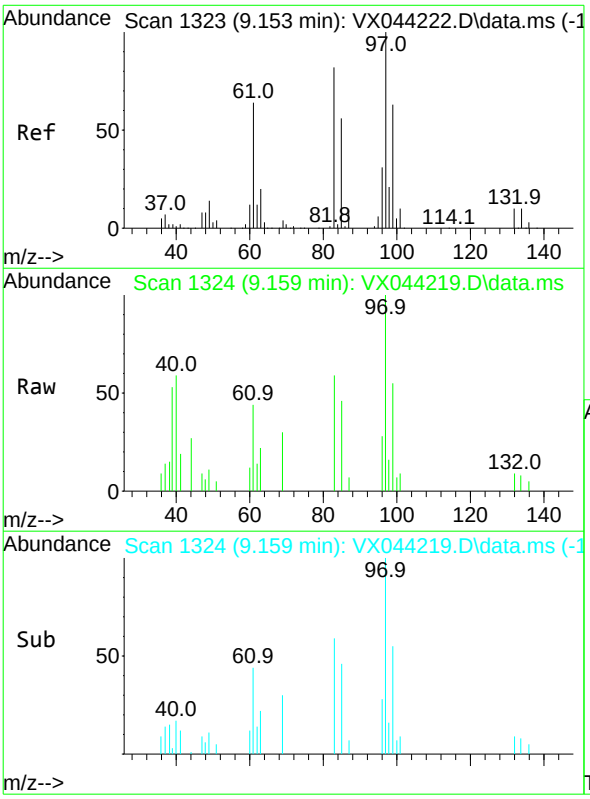
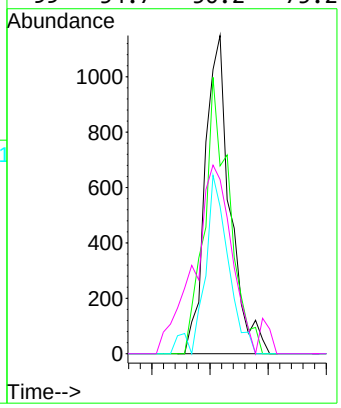
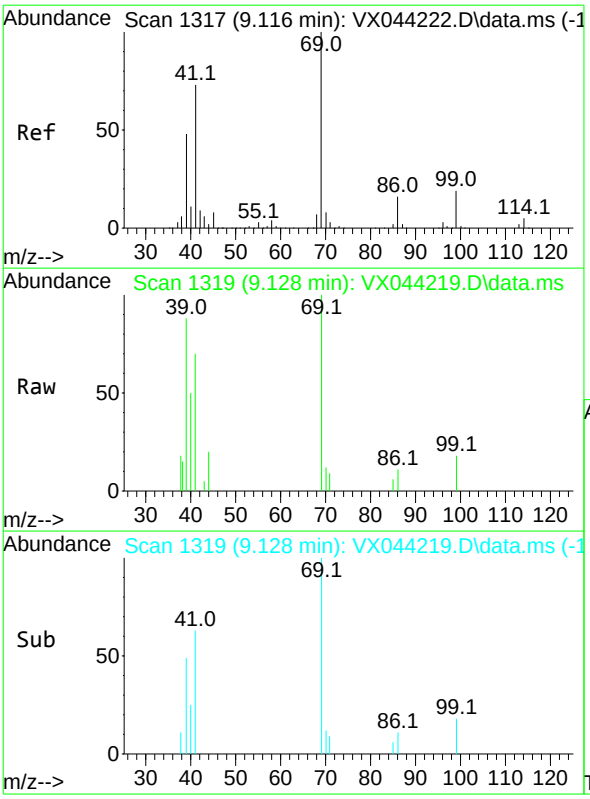



#55
1,1,2-Trichloroethane
Concen: 0.994 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 97 Resp: 1710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 59.0 | 65.3 | 97.9# |
| 85 | 46.3 | 44.6 | 67.0 |
| 99 | 54.7 | 50.2 | 75.2 |

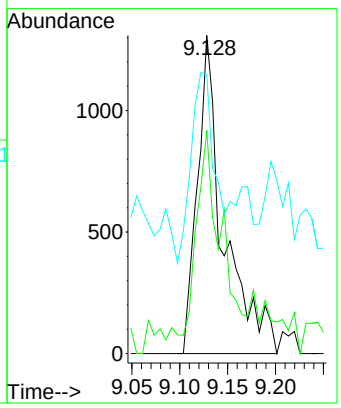





#56
Ethyl methacrylate
Concen: 0.917 ug/l
RT: 9.128 min Scan# 13
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 69 Resp: 2490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 55.7 | 56.6 | 85.0# |
| 39 | 53.1 | 37.4 | 56.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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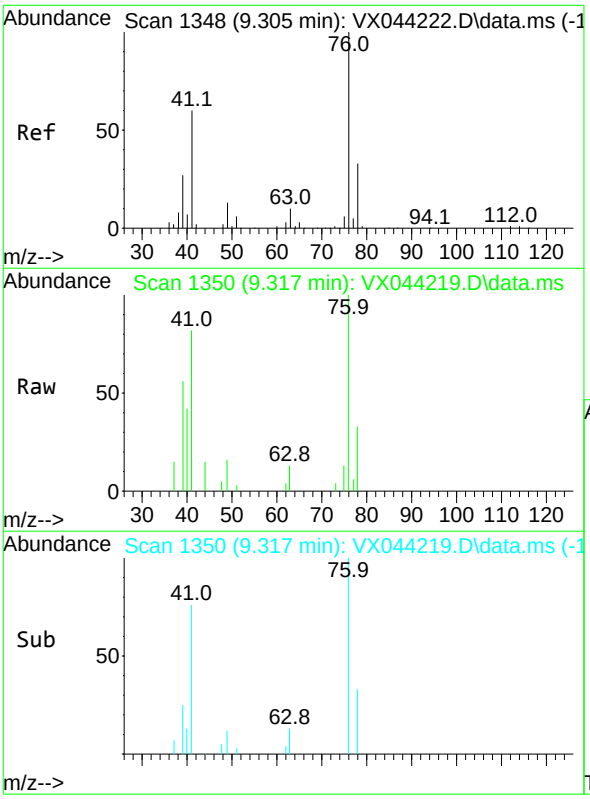
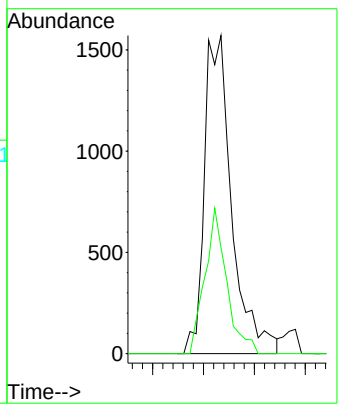
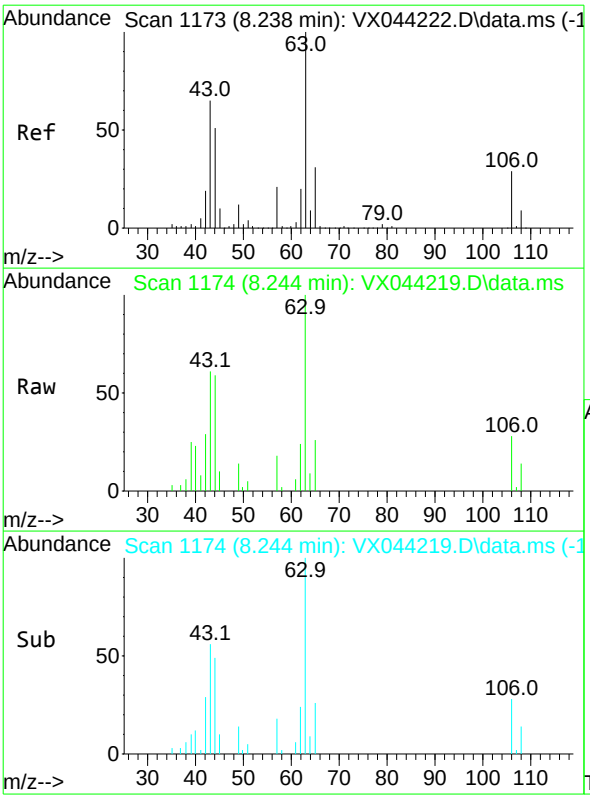



#57
1,3-Dichloropropane
Concen: 0.979 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 76 Resp: 2929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 36.5 | 26.5 | 39.7 |

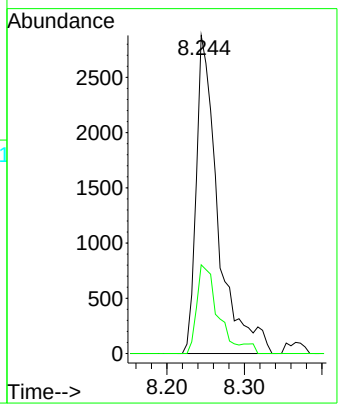





#58
2-Chloroethyl Vinyl ether
Concen: 4.105 ug/l
RT: 8.244 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 5621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.2 | 22.8 | 34.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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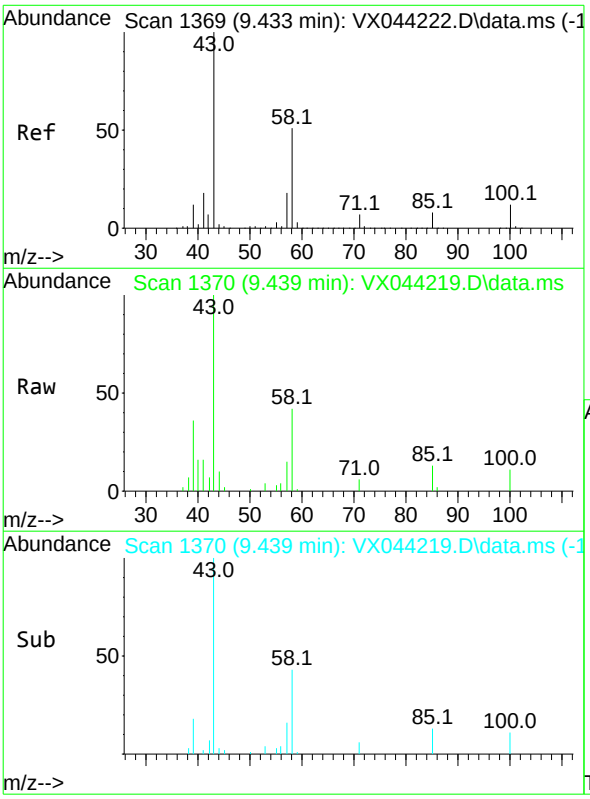
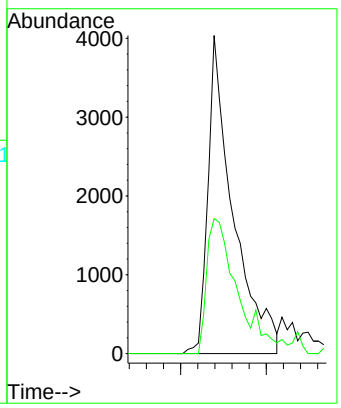
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

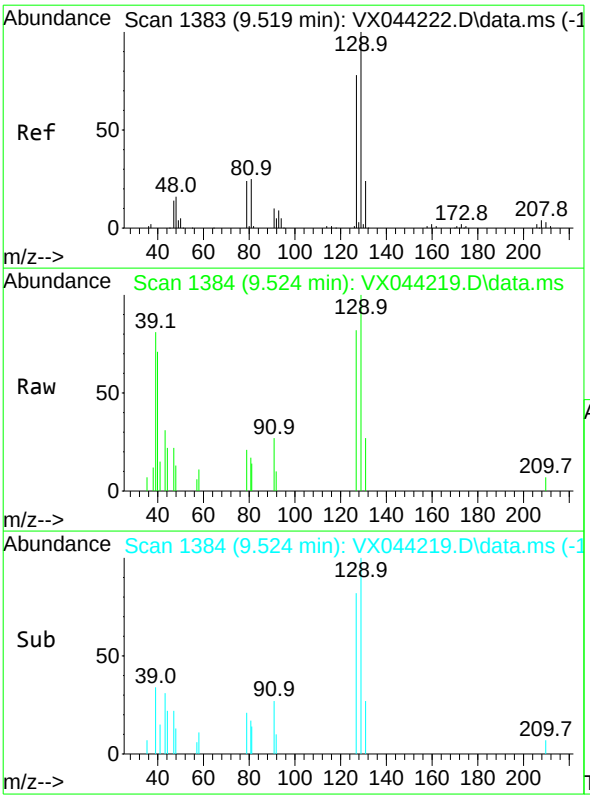



#59
2-Hexanone
Concen: 4.017 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 8199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.5 | 25.7 | 77.0 |

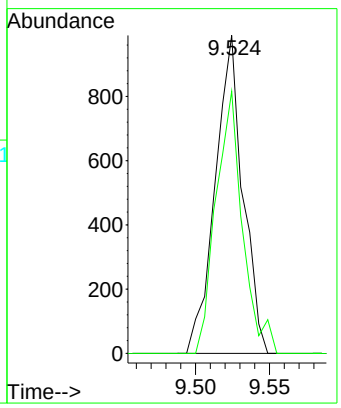





#60
Dibromochloromethane
Concen: 1.953 ug/l
RT: 9.524 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:129 Resp: 1289

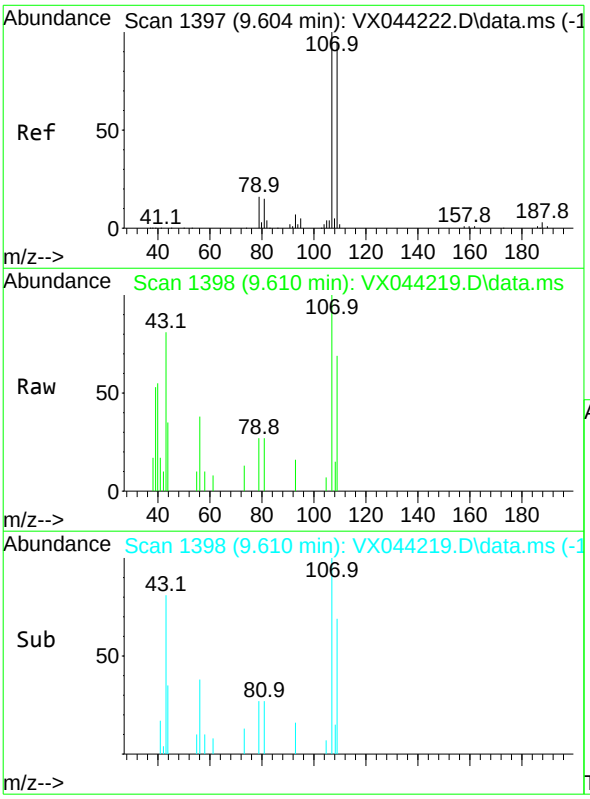
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.2 | 38.5 | 115.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

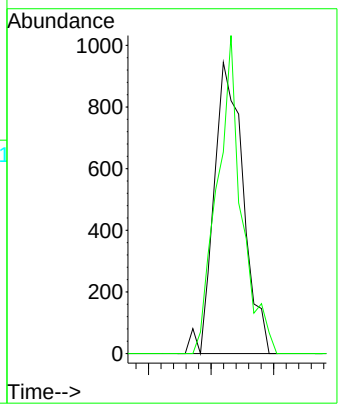
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

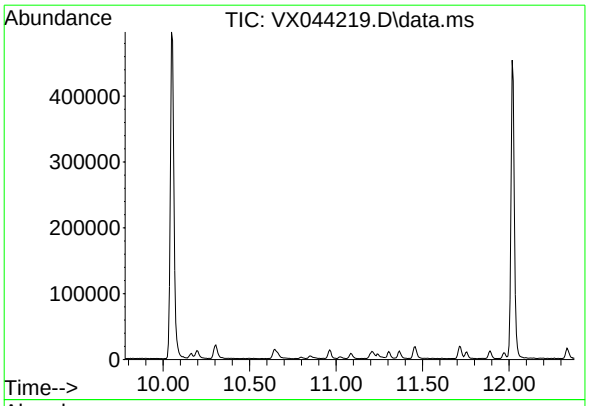



#61
1,2-Dibromoethane
Concen: 0.877 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:107 Resp: 1535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.3 | 77.0 | 115.4 |






#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

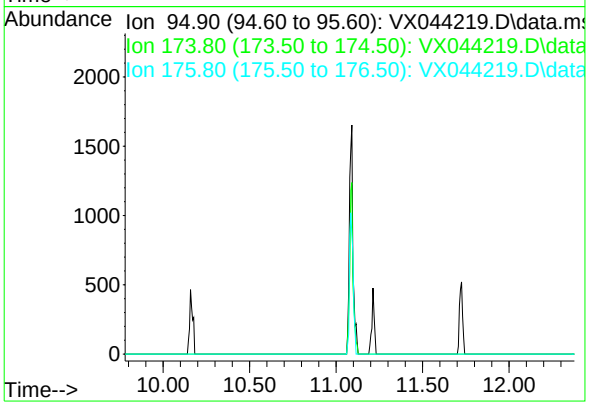
Tgt Ion: 95

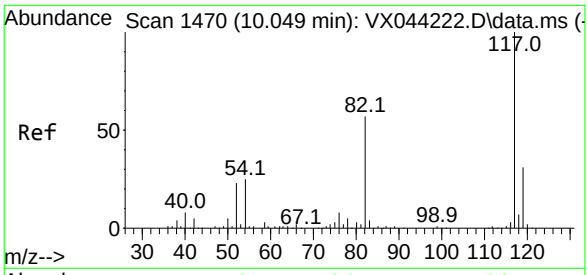
| Sig | Exp Ratio |
|---|---|
| 95 | 100 |
| 174 | 72.9 |
| 176 | 68.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

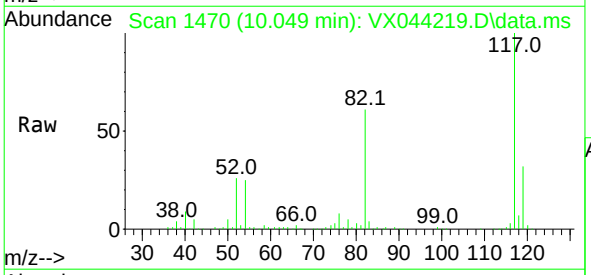


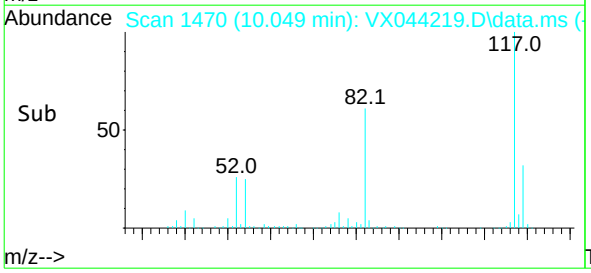



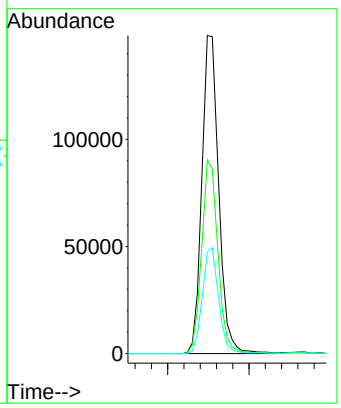

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

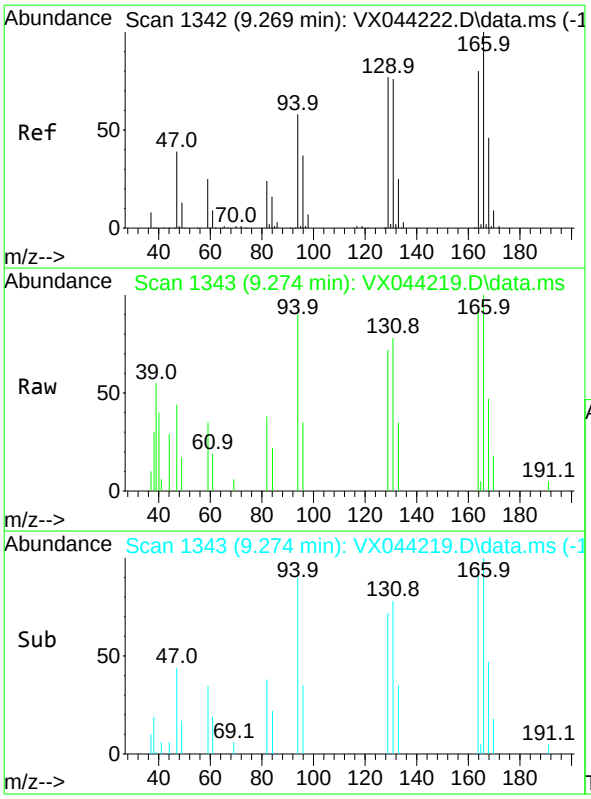
Tgt Ion:117 Resp: 213862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.9 | 45.8 | 68.8 |
| 119 | 32.0 | 25.0 | 37.4 |



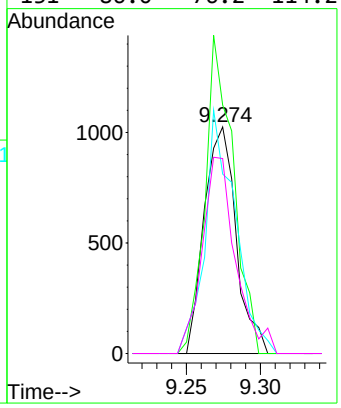






#64
Tetrachloroethene
Concen: 1.082 ug/l
RT: 9.274 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:164 Resp: 1536

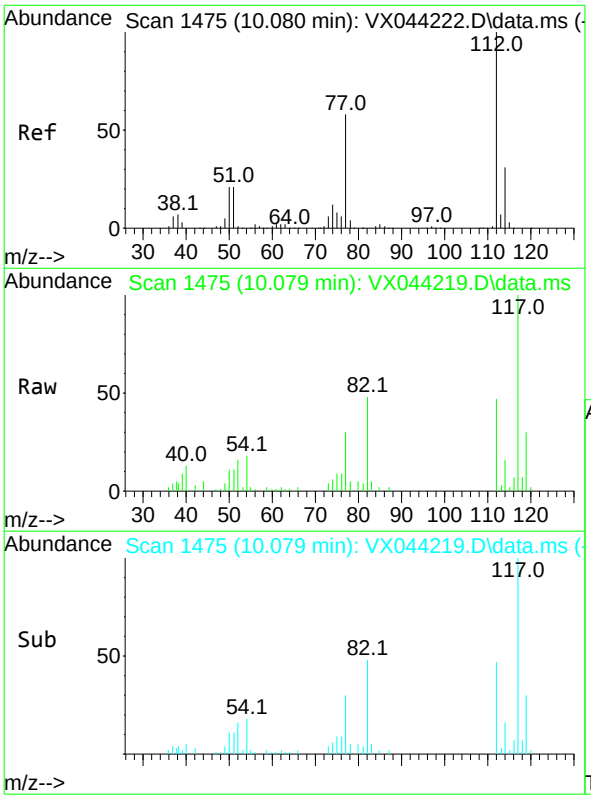
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 109.7 | 100.4 | 150.6 |
| 129 | 79.2 | 77.2 | 115.8 |
| 131 | 86.0 | 76.2 | 114.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

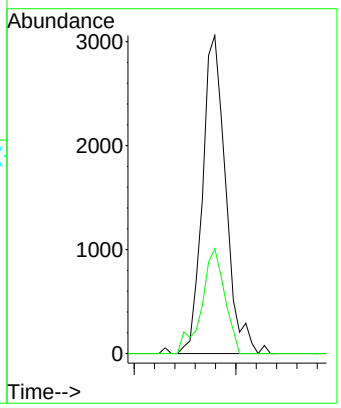
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

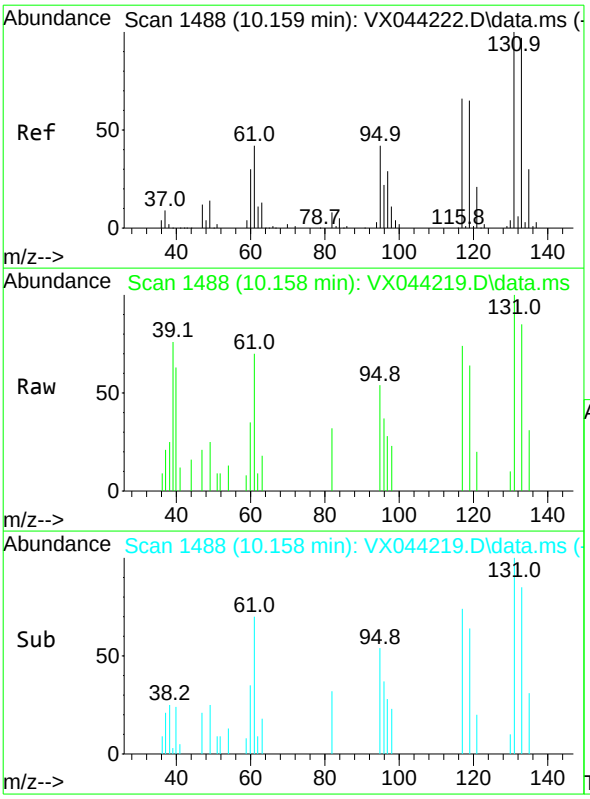



#65
Chlorobenzene
Concen: 1.055 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:112 Resp: 4835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.0 | 25.0 | 37.6 |

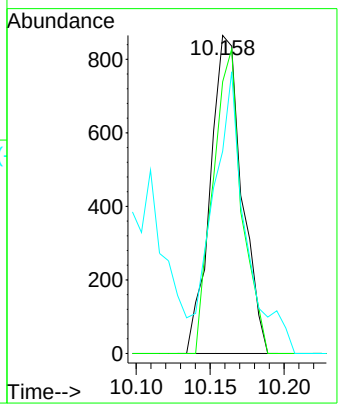





#66
1,1,1,2-Tetrachloroethane
Concen: 0.875 ug/l
RT: 10.158 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:131 Resp: 1288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 87.3 | 47.3 | 141.8 |
| 119 | 0.0 | 31.6 | 95.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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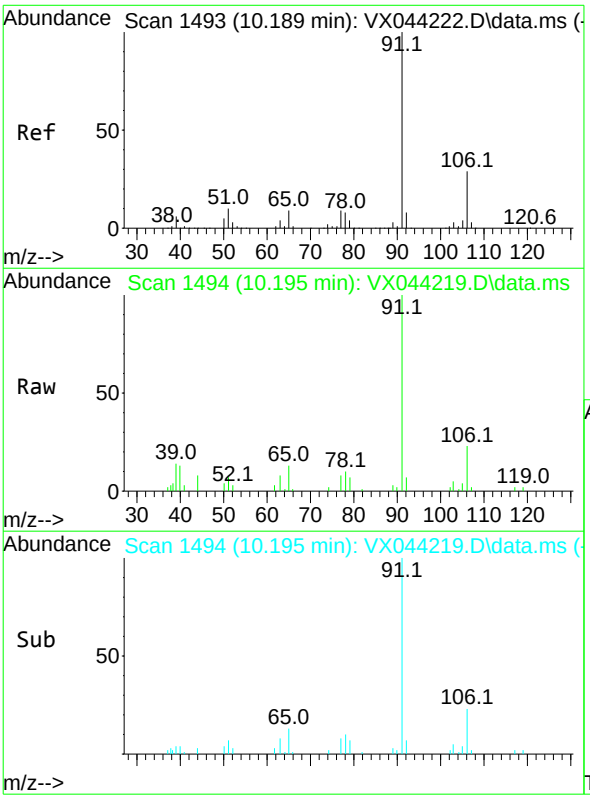
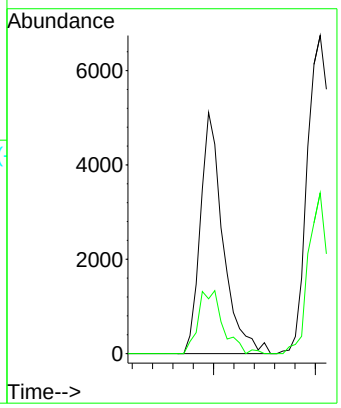
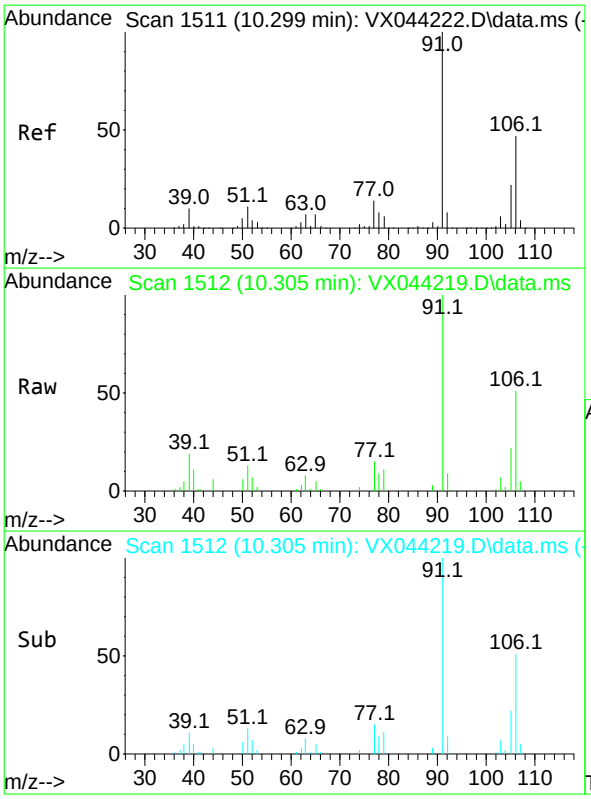



#67
Ethyl Benzene
Concen: 1.001 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 7924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 22.7 | 23.5 | 35.3# |






#68
m/p-Xylenes
Concen: 1.922 ug/l
RT: 10.305 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:106 Resp: 5583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.1 | 170.2 | 255.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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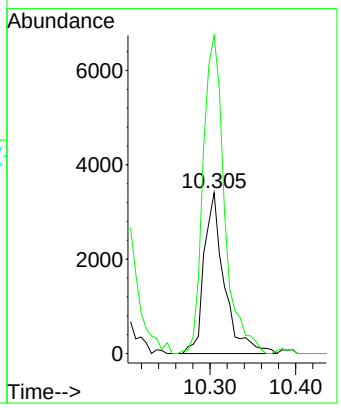
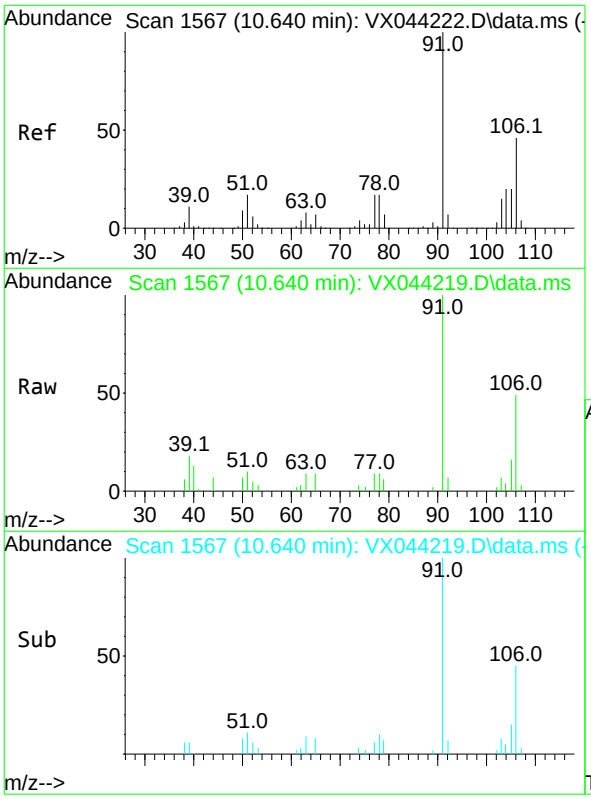
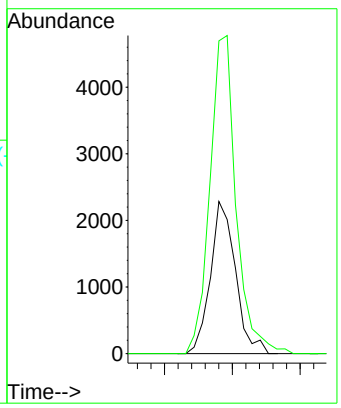


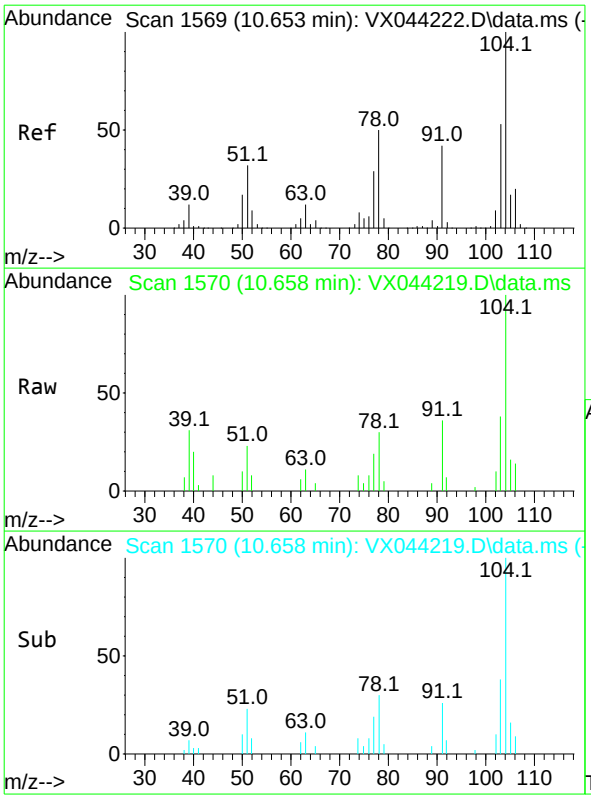




#69
o-Xylene
Concen: 0.998 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:106 Resp: 2933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.2 | 112.3 | 337.0 |

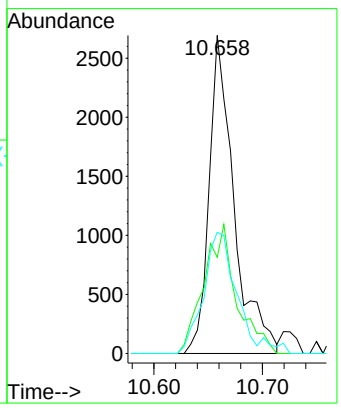





#70
Styrene
Concen: 0.914 ug/l
RT: 10.658 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:104 Resp: 4306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 44.6 | 67.0 |
| 103 | 51.2 | 45.4 | 68.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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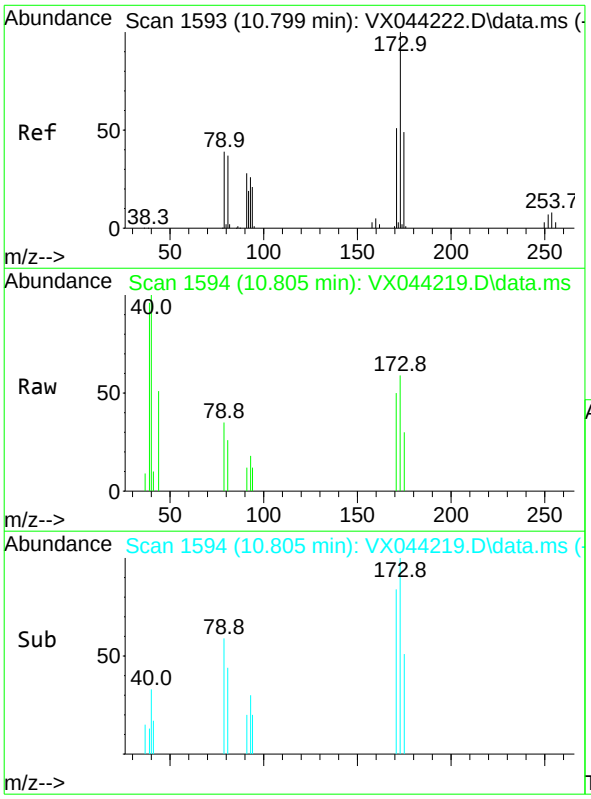
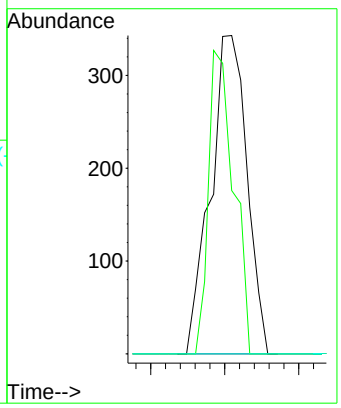
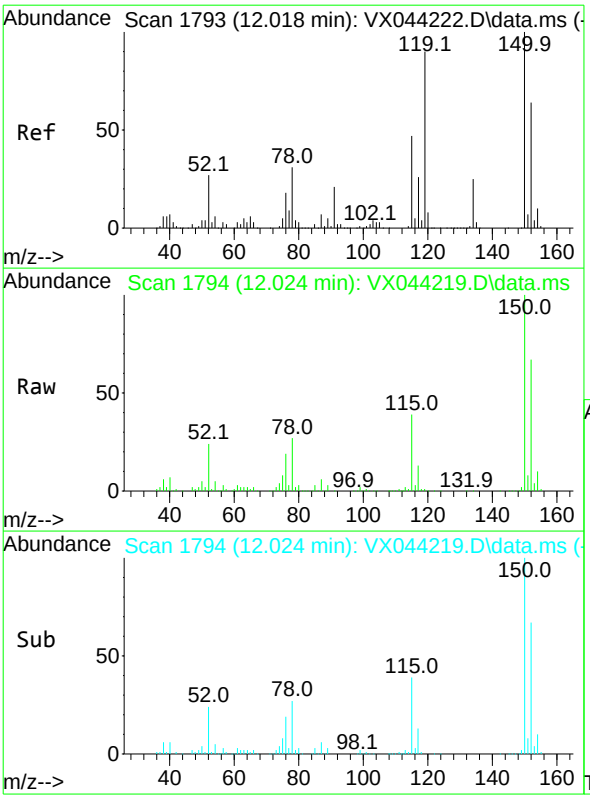



#71
Bromoform
Concen: 1.847 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:173 Resp: 584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 66.1 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |






#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

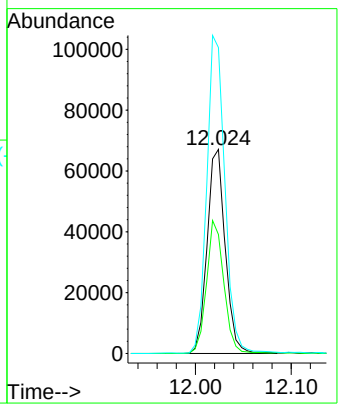
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

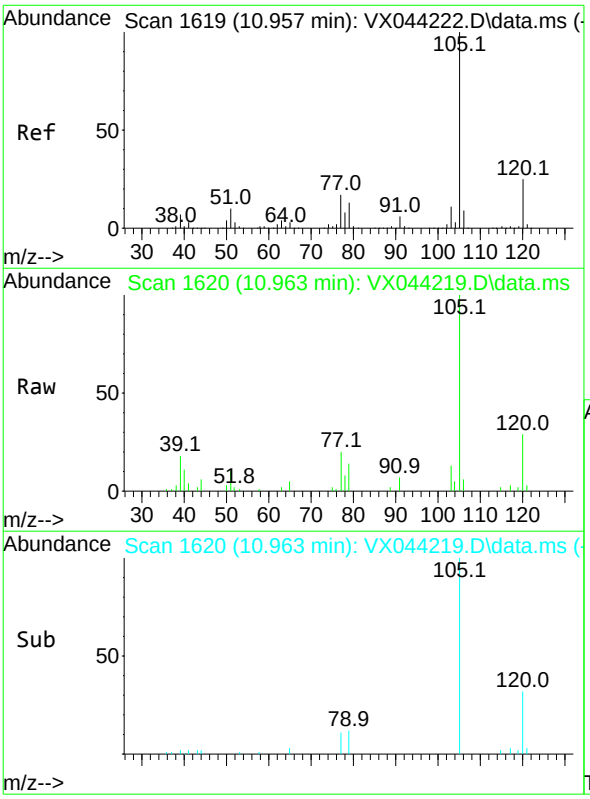
Tgt Ion:152 Resp: 88334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.1 | 44.5 | 133.3 |
| 150 | 155.1 | 0.0 | 353.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

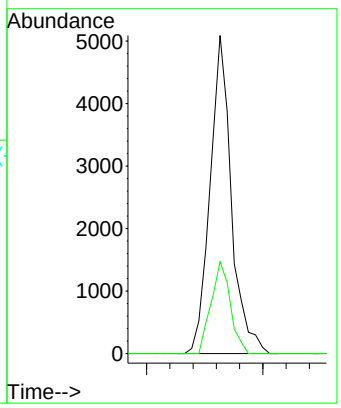


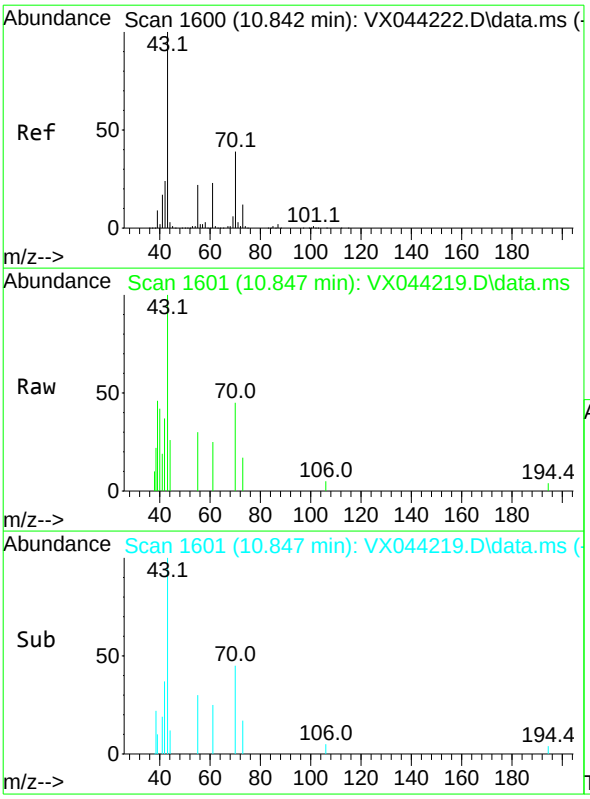




#73
Isopropylbenzene
Concen: 0.957 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 6474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.1 | 39.3 |

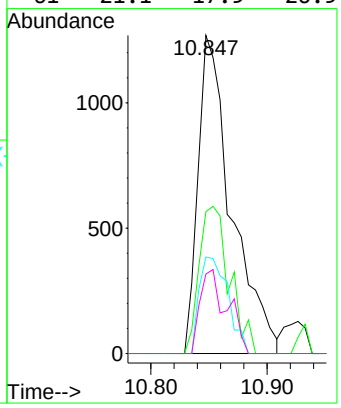





#74
N-amyl acetate
Concen: 0.811 ug/l
RT: 10.847 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2536

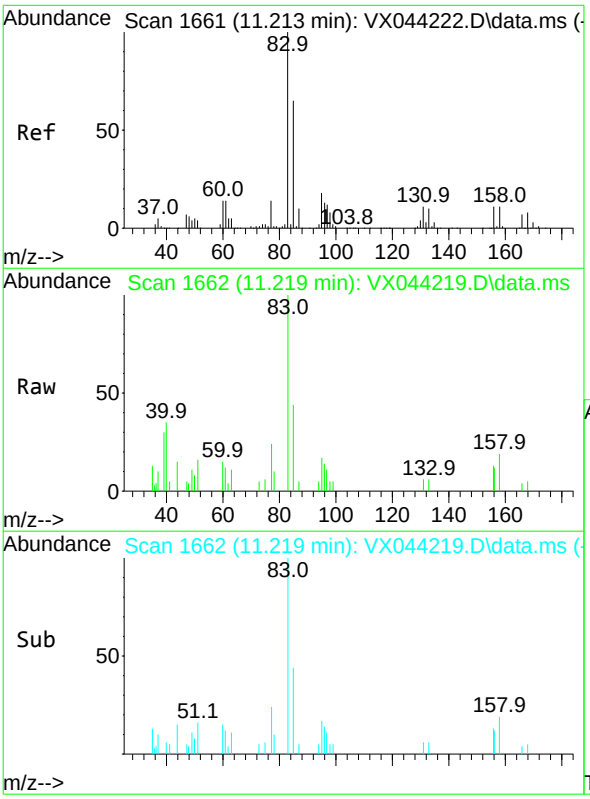
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.9 | 31.9 | 47.9 |
| 55 | 26.0 | 17.9 | 26.9 |
| 61 | 21.1 | 17.9 | 26.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

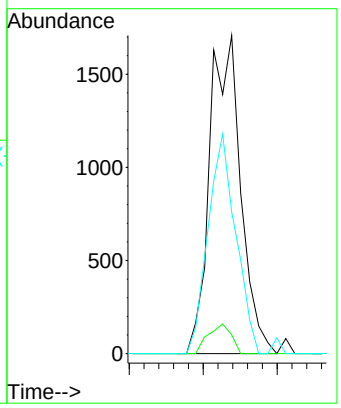
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

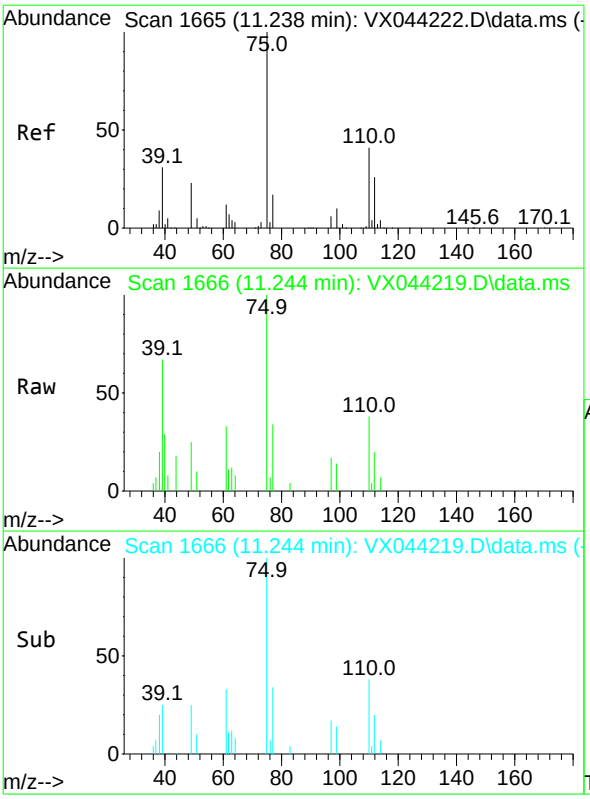



#75
1,1,2,2-Tetrachloroethane
Concen: 1.061 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 2491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 6.9 | 5.1 | 15.4 |
| 85 | 61.8 | 32.5 | 97.4 |






#76
1,2,3-Trichloropropane
Concen: 1.121 ug/l m
RT: 11.244 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

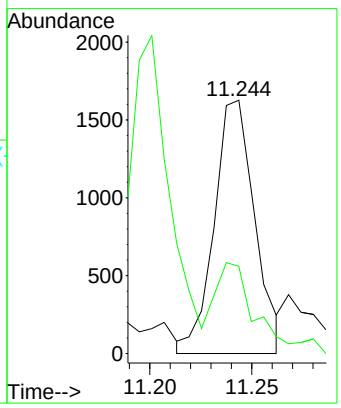
Tgt Ion: 75 Resp: 2248

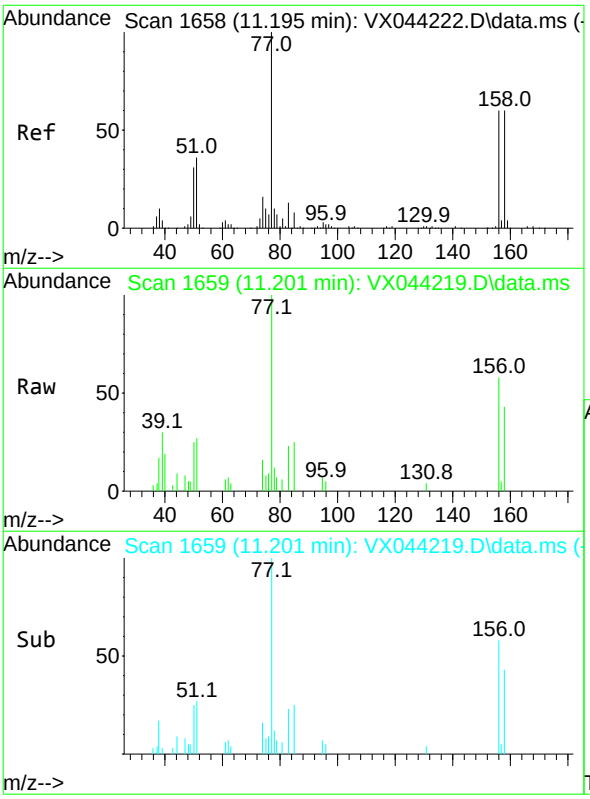
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.4 | 20.9 | 62.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

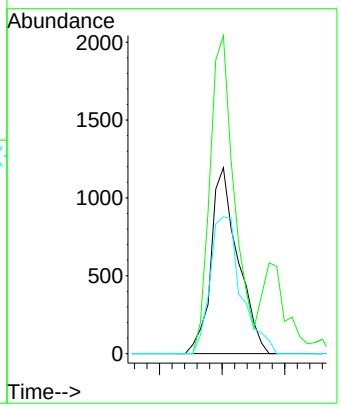


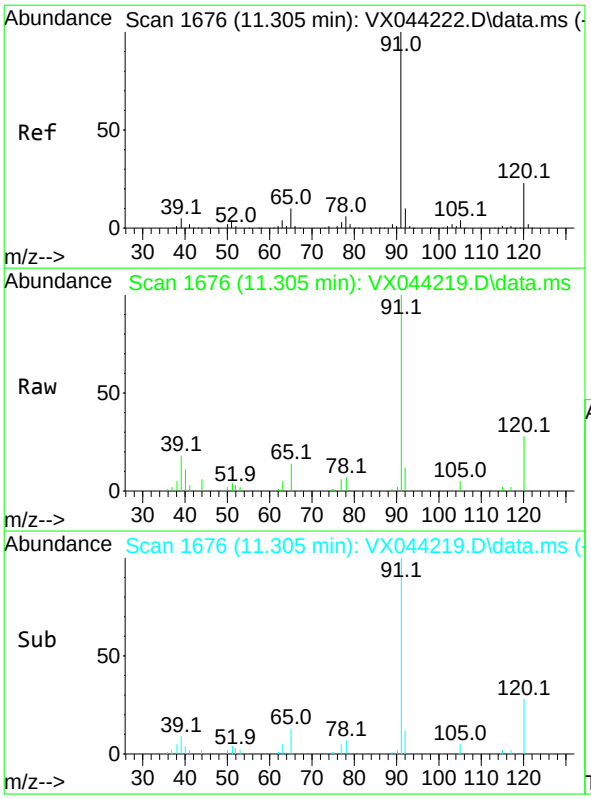




#77
Bromobenzene
Concen: 1.087 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:156 Resp: 1783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.1 | 82.6 | 247.8 |
| 158 | 85.2 | 48.8 | 146.4 |

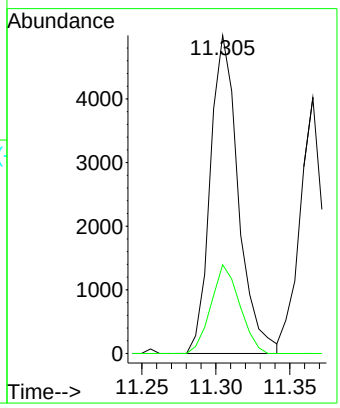





#78
n-propylbenzene
Concen: 0.884 ug/l
RT: 11.305 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 6606

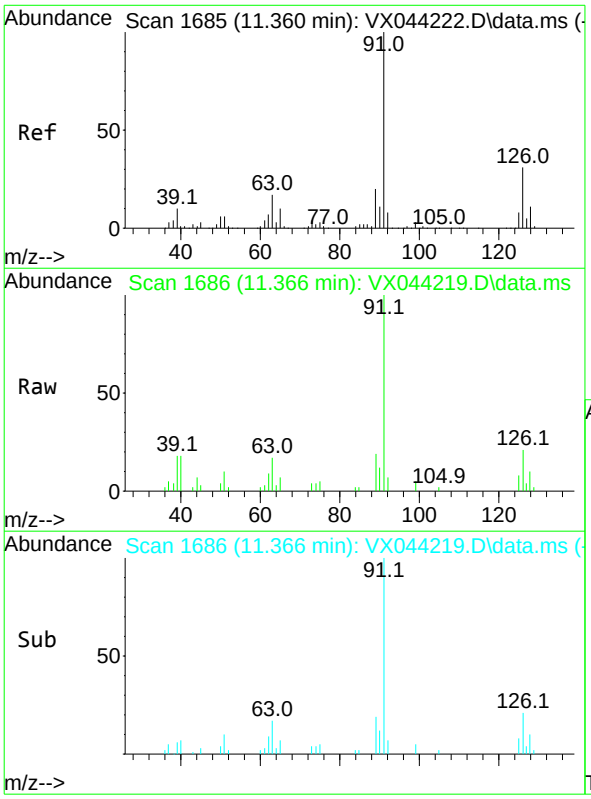
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 28.4 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

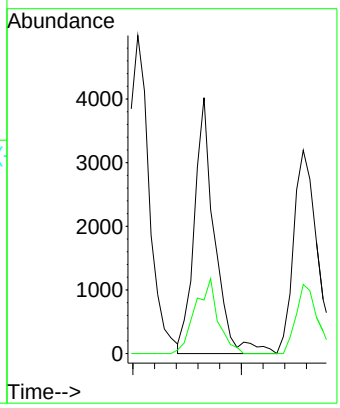
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

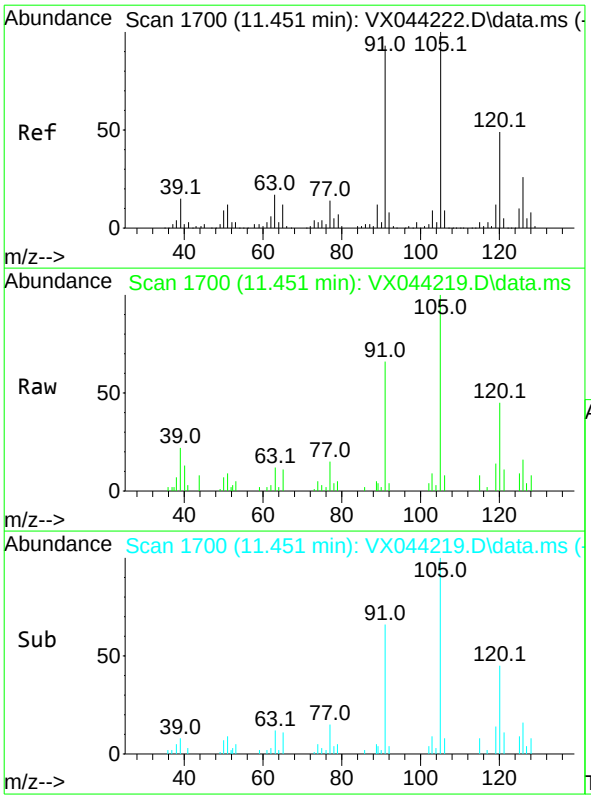



#79
2-Chlorotoluene
Concen: 1.075 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 5194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.4 | 49.1 |

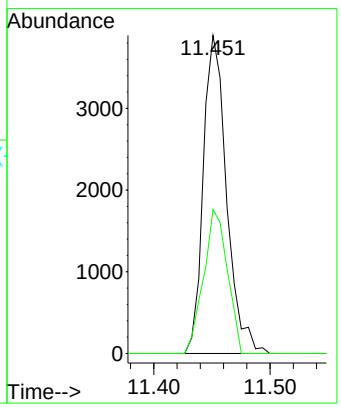





#80
1,3,5-Trimethylbenzene
Concen: 0.966 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 5417

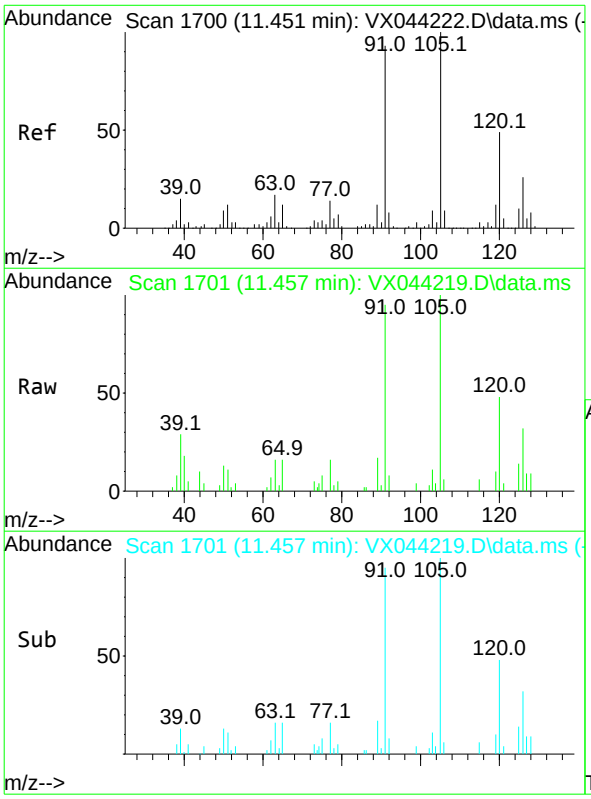
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.2 | 23.8 | 71.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

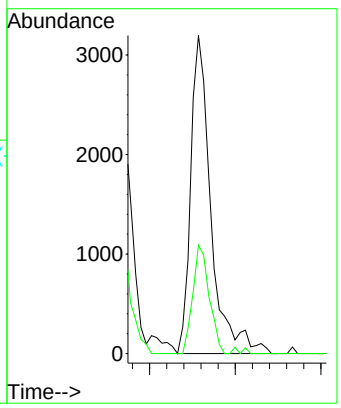
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

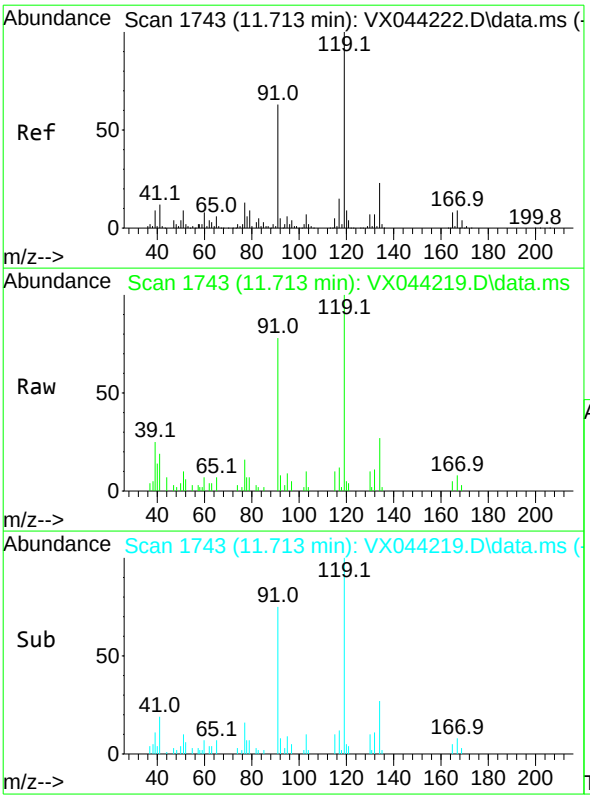



#82
4-Chlorotoluene
Concen: 0.978 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 5236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 27.7 | 14.5 | 43.5 |

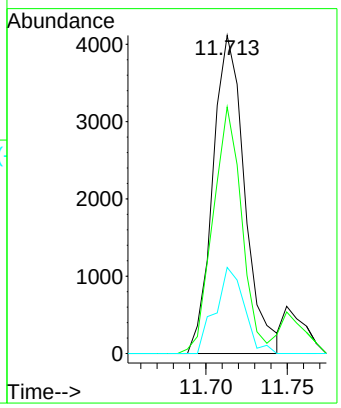





#83
tert-Butylbenzene
Concen: 1.011 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:119 Resp: 5601

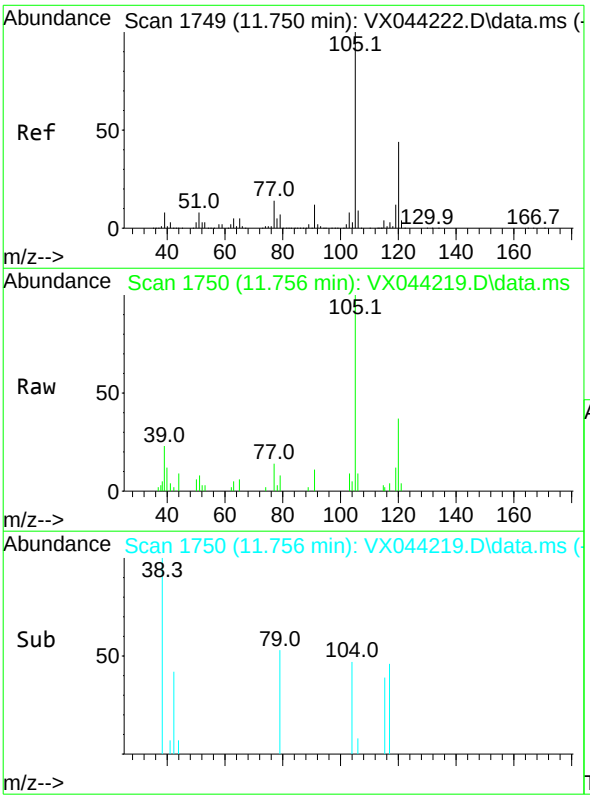
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 70.2 | 30.9 | 92.5 |
| 134 | 24.5 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

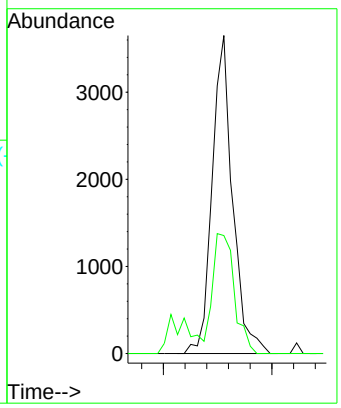
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

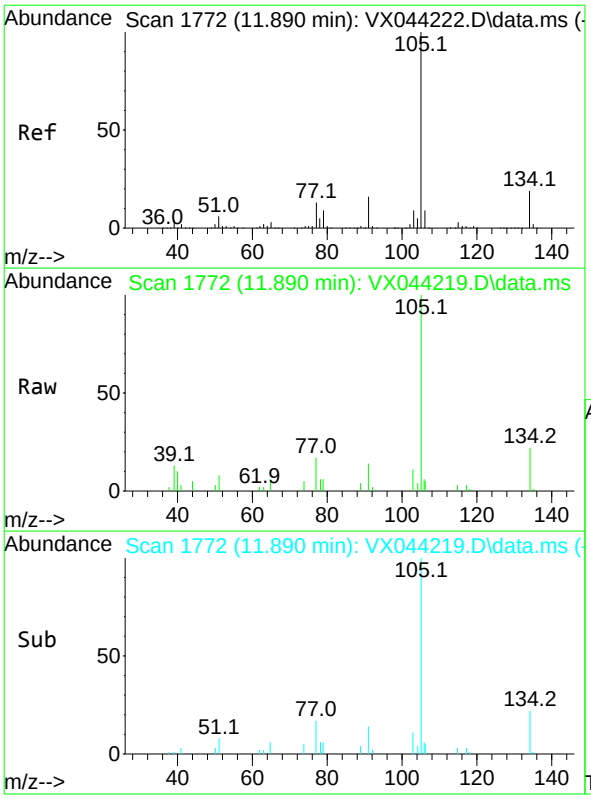



#84
1,2,4-Trimethylbenzene
Concen: 0.866 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 4769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.0 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 0.966 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

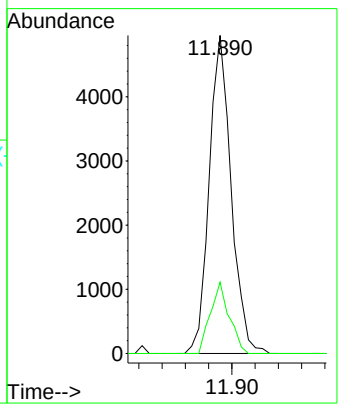
Tgt Ion:105 Resp: 6500

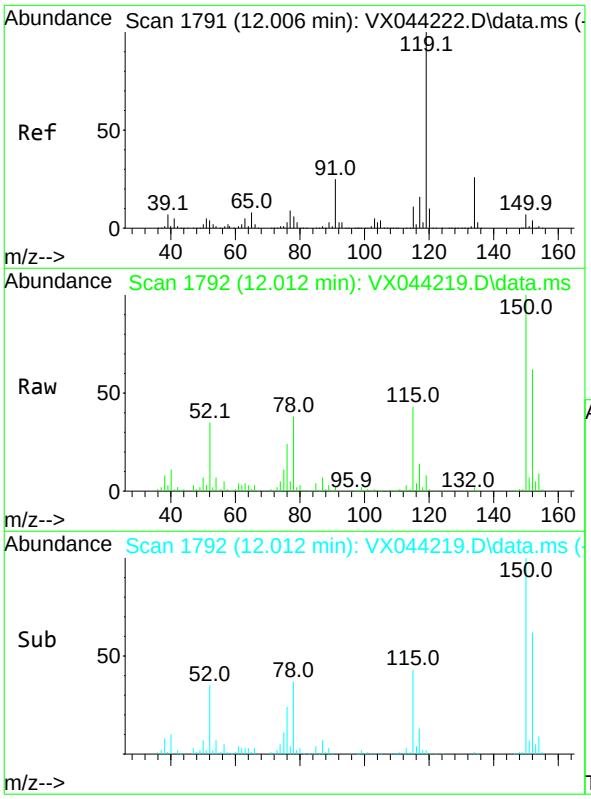
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.3 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

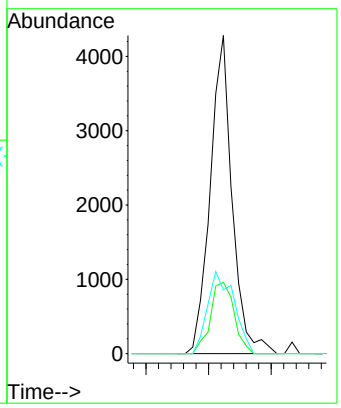


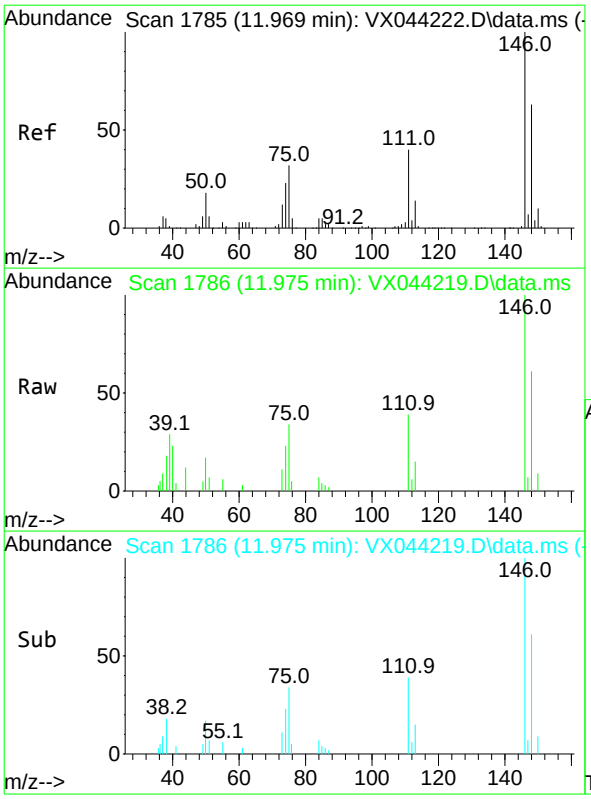




#86
p-Isopropyltoluene
Concen: 0.930 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:119 Resp: 5210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.2 | 12.8 | 38.4 |
| 91 | 31.2 | 13.0 | 39.0 |






#87
1,3-Dichlorobenzene
Concen: 0.937 ug/l
RT: 11.975 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

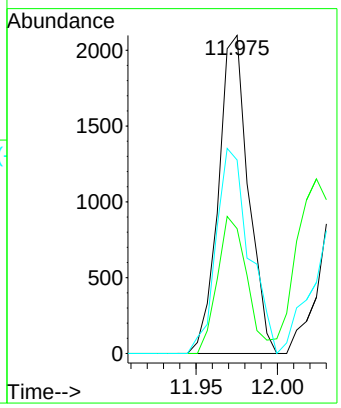
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

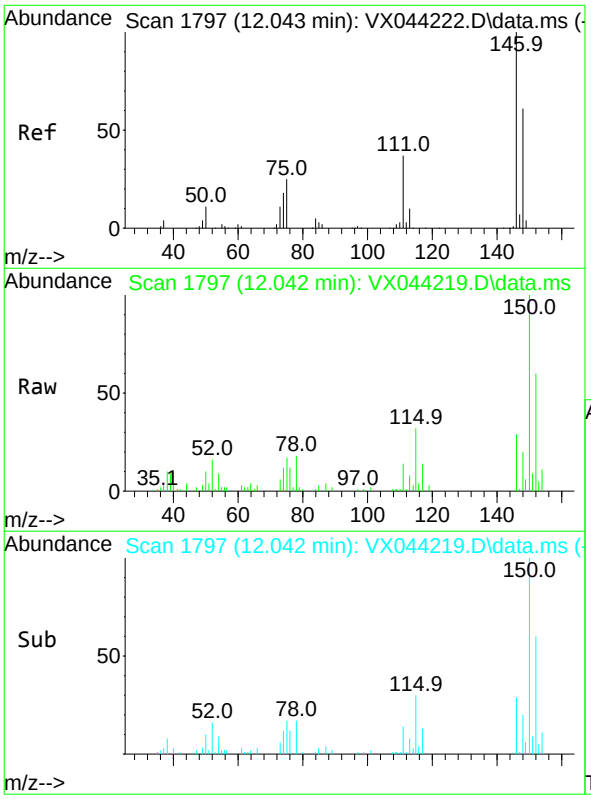
Tgt Ion:146 Resp: 2684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.4 | 64.2 |
| 148 | 71.6 | 31.7 | 95.1 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

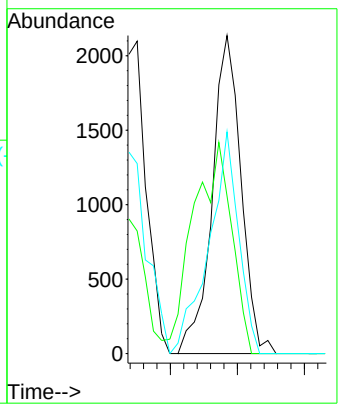


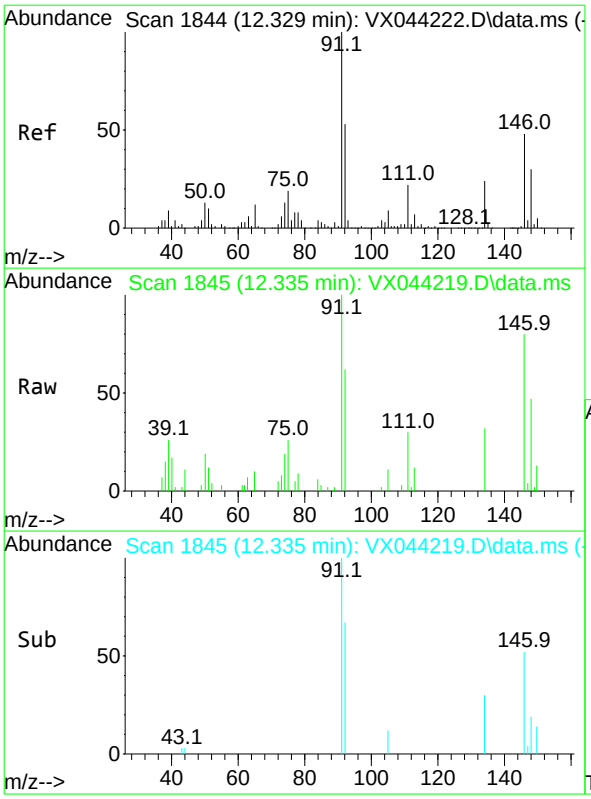




#88
1,4-Dichlorobenzene
Concen: 1.087 ug/l m
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:146 Resp: 3200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.7 | 21.0 | 63.0 |
| 148 | 60.1 | 32.3 | 96.8 |

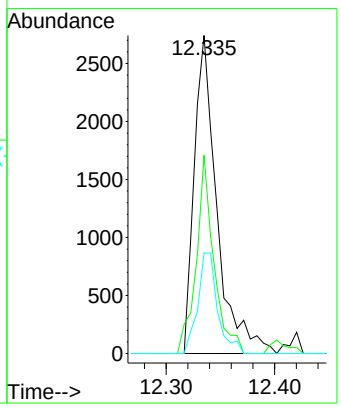





#89
n-Butylbenzene
Concen: 0.844 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 3973

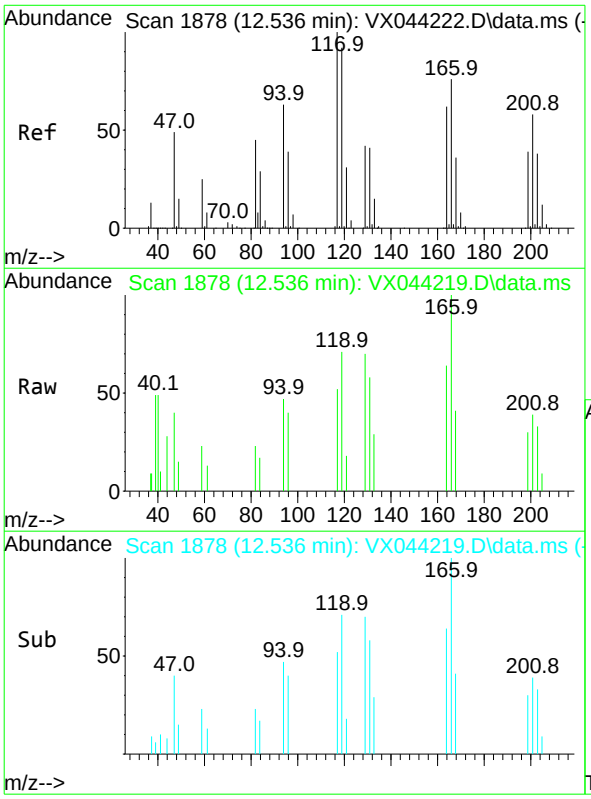
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 48.5 | 26.6 | 79.7 |
| 134 | 27.8 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

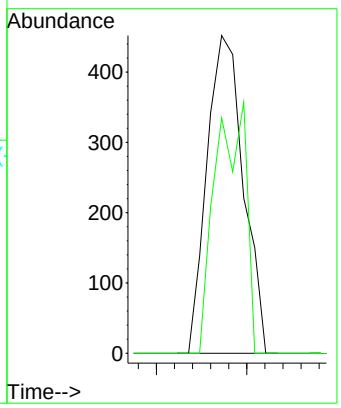
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

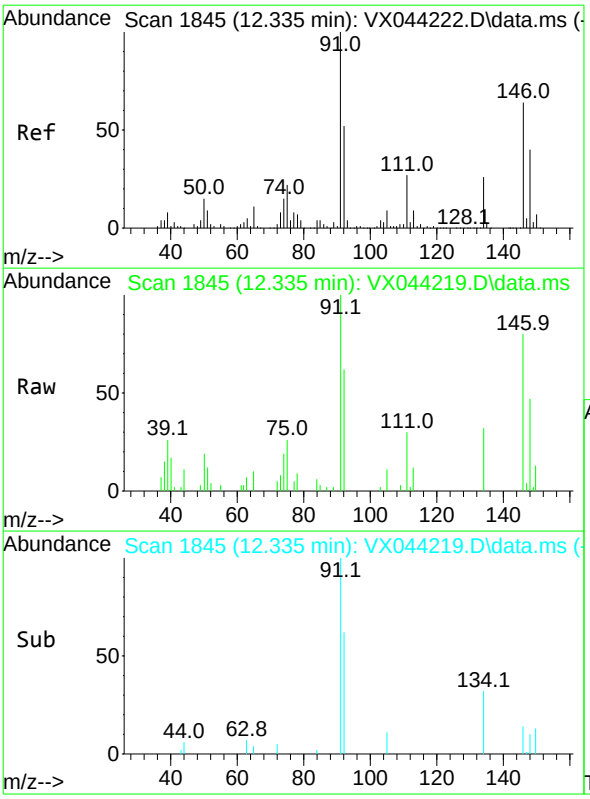



#90
Hexachloroethane
Concen: 0.773 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:117 Resp: 632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.9 | 31.4 | 94.2 |

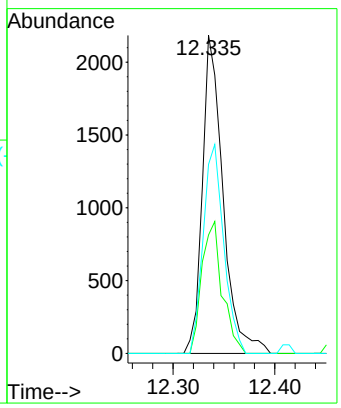





#91
1,2-Dichlorobenzene
Concen: 1.036 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:146 Resp: 3082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 21.4 | 64.3 |
| 148 | 65.4 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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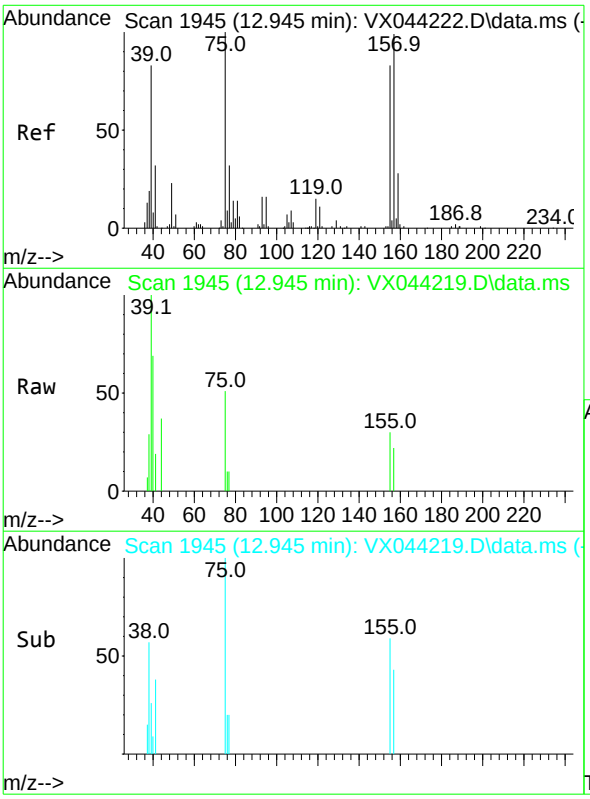
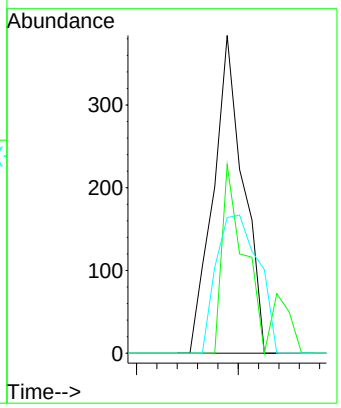
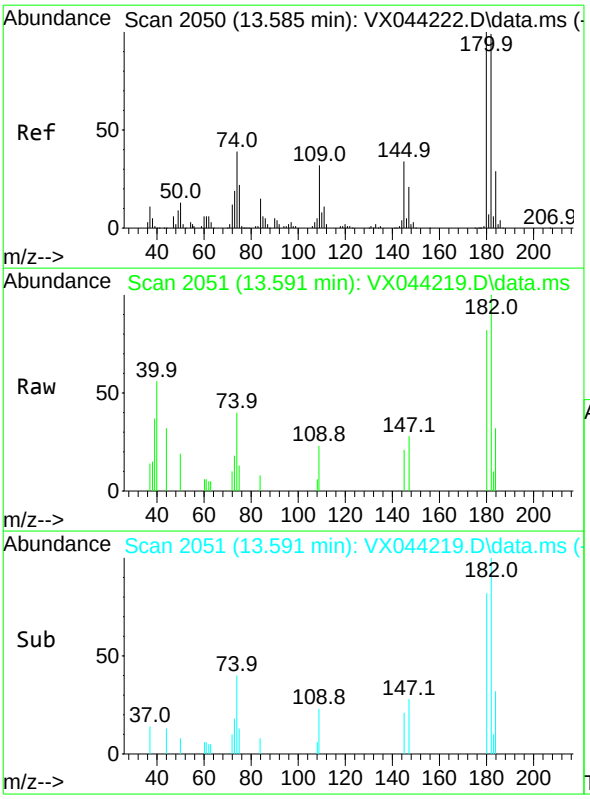



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.860 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 54.6 | 38.1 | 114.3 |
| 157 | 61.5 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 0.835 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:180 Resp: 1361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 88.0 | 48.0 | 144.2 |
| 145 | 28.4 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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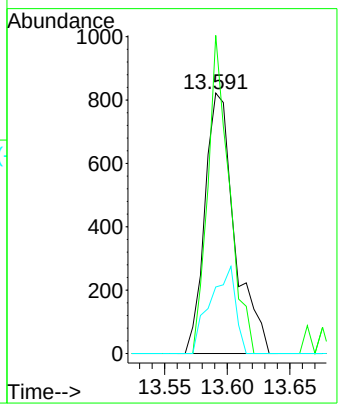
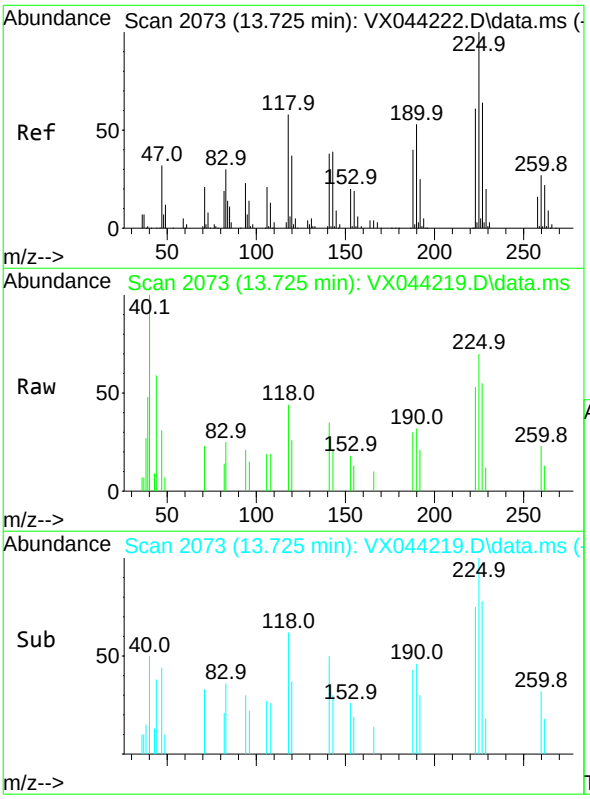
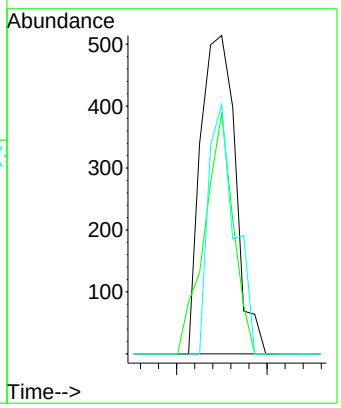


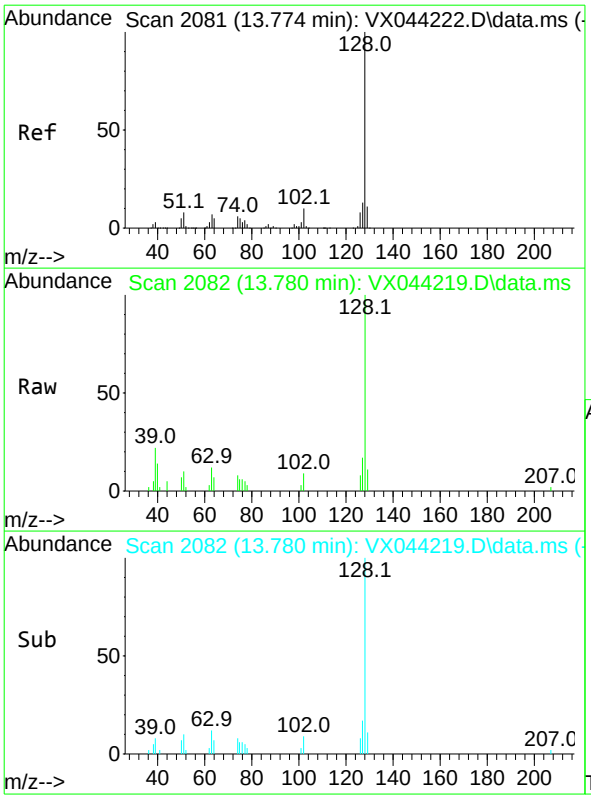




#94
Hexachlorobutadiene
Concen: 1.051 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:225 Resp: 689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 30.8 | 92.4 |
| 227 | 59.4 | 32.1 | 96.3 |

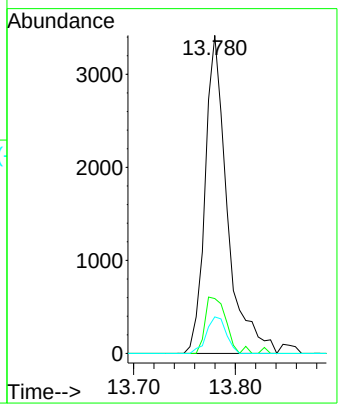





#95
Naphthalene
Concen: 0.812 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:128 Resp: 5167

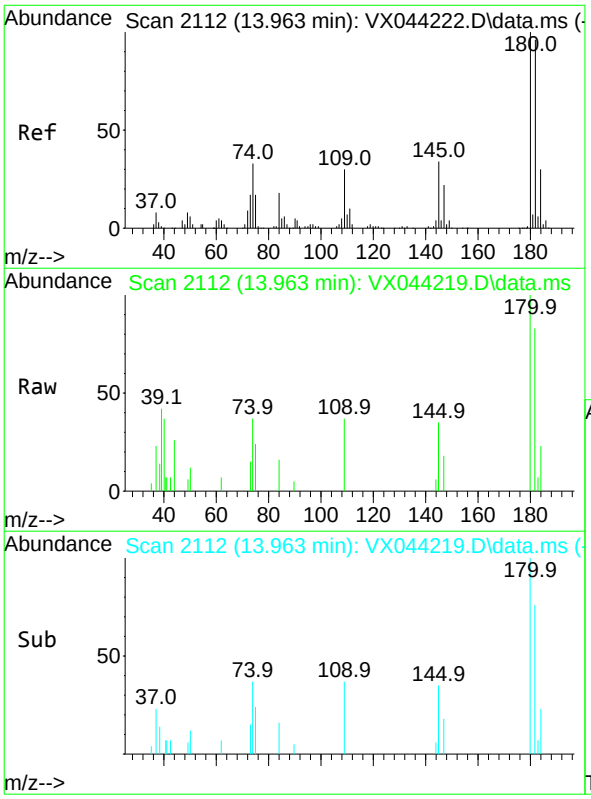
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 16.8 | 10.5 | 15.7# |
| 129 | 10.2 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

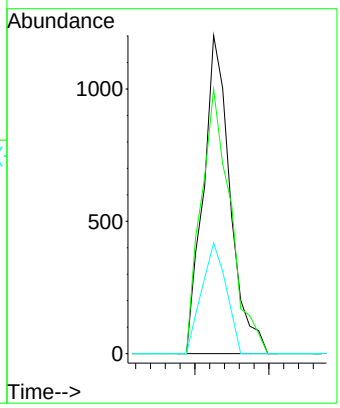
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024




#96
1,2,3-Trichlorobenzene
Concen: 0.873 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:180 Resp: 1509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.3 | 48.0 | 144.0 |
| 145 | 31.9 | 17.7 | 53.1 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 139609 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 258881 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 217783 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 95175 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 13043 | 5.328 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 10.660%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 9145 | 5.100 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 10.200%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 29732 | 4.915 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 9.840%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 10101 | 4.779 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 9.560%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 10452 | 4.842 | ug/l | | 91 |
| 3) Chloromethane | 1.294 | 50 | 10429 | 5.052 | ug/l | | 95 |
| 4) Vinyl Chloride | 1.374 | 62 | 11031 | 5.129 | ug/l | | 98 |
| 5) Bromomethane | 1.593 | 94 | 8237 | 5.399 | ug/l | | 92 |
| 6) Chloroethane | 1.660 | 64 | 7253 | 5.416 | ug/l | | 96 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 21207 | 5.037 | ug/l | | 91 |
| 8) Diethyl Ether | 2.136 | 74 | 7199 | 5.009 | ug/l | | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 8766 | 5.145 | ug/l | | 97 |
| 10) Methyl Iodide | 2.447 | 142 | 11066 | 4.928 | ug/l | | 97 |
| 11) Tert butyl alcohol | 2.995 | 59 | 7159m | 20.785 | ug/l | | |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 7822 | 4.999 | ug/l | | 95 |
| 13) Acrolein | 2.239 | 56 | 12521 | 25.073 | ug/l | | 100 |
| 14) Allyl chloride | 2.654 | 41 | 12490 | 4.792 | ug/l | | 94 |
| 15) Acrylonitrile | 3.069 | 53 | 23276 | 24.357 | ug/l | | 99 |
| 16) Acetone | 2.392 | 43 | 24645 | 24.696 | ug/l | | 93 |
| 17) Carbon Disulfide | 2.495 | 76 | 12169 | 4.091 | ug/l | | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 12412 | 4.824 | ug/l | | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 30546 | 5.002 | ug/l | | 94 |
| 20) Methylene Chloride | 2.782 | 84 | 9466 | 5.050 | ug/l | | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 7768 | 4.671 | ug/l | | 97 |
| 22) Diisopropyl ether | 3.764 | 45 | 29518 | 5.029 | ug/l | # | 73 |
| 23) Vinyl Acetate | 3.721 | 43 | 109670 | 22.983 | ug/l | | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 16370 | 5.004 | ug/l | | 96 |
| 25) 2-Butanone | 4.574 | 43 | 34245 | 24.138 | ug/l | | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 12514 | 4.708 | ug/l | | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 10292 | 4.873 | ug/l | | 97 |
| 28) Bromochloromethane | 4.897 | 49 | 8049 | 5.017 | ug/l | # | 93 |
| 29) Tetrahydrofuran | 5.019 | 42 | 24307 | 26.693 | ug/l | | 94 |
| 30) Chloroform | 5.093 | 83 | 18319 | 4.984 | ug/l | | 93 |
| 31) Cyclohexane | 5.464 | 56 | 12995 | 4.919 | ug/l | | 89 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 14231 | 4.664 | ug/l | | 96 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 11455 | 4.942 | ug/l | | 94 |
| 37) Ethyl Acetate | 4.727 | 43 | 13265 | 4.630 | ug/l | | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 11476 | 4.599 | ug/l | | 96 |
| 39) Methylcyclohexane | 7.373 | 83 | 13019 | 4.699 | ug/l | # | 85 |
| 40) Benzene | 6.037 | 78 | 35018 | 4.976 | ug/l | | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.946 | 41 | 7585 | 4.986 ug/l | 93 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 14419 | 4.974 ug/l | 99 |
| 43) Isopropyl Acetate | 6.354 | 43 | 22098 | 4.935 ug/l | 98 |
| 44) Trichloroethene | 7.123 | 130 | 8405 | 4.790 ug/l | 100 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 8932 | 4.968 ug/l | 94 |
| 46) Dibromomethane | 7.586 | 93 | 6915 | 4.958 ug/l | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 10646 | 4.420 ug/l # | 98 |
| 48) Methyl methacrylate | 7.702 | 41 | 9586 | 4.410 ug/l | 97 |
| 49) 1,4-Dioxane | 7.671 | 88 | 3545m | 95.429 ug/l | |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 71285 | 24.759 ug/l | 98 |
| 52) Toluene | 8.720 | 92 | 21486 | 4.862 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 9232 | 4.665 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 8.372 | 75 | 11404 | 4.348 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 8590 | 4.893 ug/l | 97 |
| 56) Ethyl methacrylate | 9.122 | 69 | 11854 | 4.277 ug/l # | 89 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 15352 | 5.024 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 34738 | 24.852 ug/l | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 50003 | 23.994 ug/l | 96 |
| 60) Dibromochloromethane | 9.519 | 129 | 6411 | 4.738 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 8330 | 4.662 ug/l | 97 |
| 64) Tetrachloroethene | 9.275 | 164 | 7710 | 5.334 ug/l # | 87 |
| 65) Chlorobenzene | 10.079 | 112 | 23268 | 4.986 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 6647 | 4.432 ug/l | 94 |
| 67) Ethyl Benzene | 10.195 | 91 | 39326 | 4.877 ug/l | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 28758 | 9.720 ug/l | 98 |
| 69) o-Xylene | 10.640 | 106 | 14864 | 4.965 ug/l | 97 |
| 70) Styrene | 10.659 | 104 | 22191 | 4.624 ug/l | 98 |
| 71) Bromoform | 10.799 | 173 | 3775 | 5.118 ug/l # | 98 |
| 73) Isopropylbenzene | 10.963 | 105 | 37843 | 5.194 ug/l | 98 |
| 74) N-amyl acetate | 10.842 | 43 | 15418 | 4.579 ug/l | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 12848 | 5.077 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 10236m | 4.740 ug/l | |
| 77) Bromobenzene | 11.201 | 156 | 8892 | 5.033 ug/l | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 40574 | 5.038 ug/l | 96 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 27096 | 5.203 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 30665 | 5.075 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75 | 2249 | 8.273 ug/l # | 62 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 29039 | 5.035 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 29283 | 4.904 ug/l | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 30970 | 5.219 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 35670 | 4.921 ug/l | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 29132 | 4.828 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 15553 | 5.039 ug/l | 96 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 15609 | 4.920 ug/l | 95 |
| 89) n-Butylbenzene | 12.335 | 91 | 22719 | 4.478 ug/l | 98 |
| 90) Hexachloroethane | 12.536 | 117 | 3765 | 4.275 ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 15858 | 4.949 ug/l | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 2154 | 4.385 ug/l | 81 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 7867 | 4.478 ug/l | 96 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 3321 | 4.700 ug/l | 93 |
| 95) Naphthalene | 13.780 | 128 | 31842 | 4.643 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 8422 | 4.520 ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

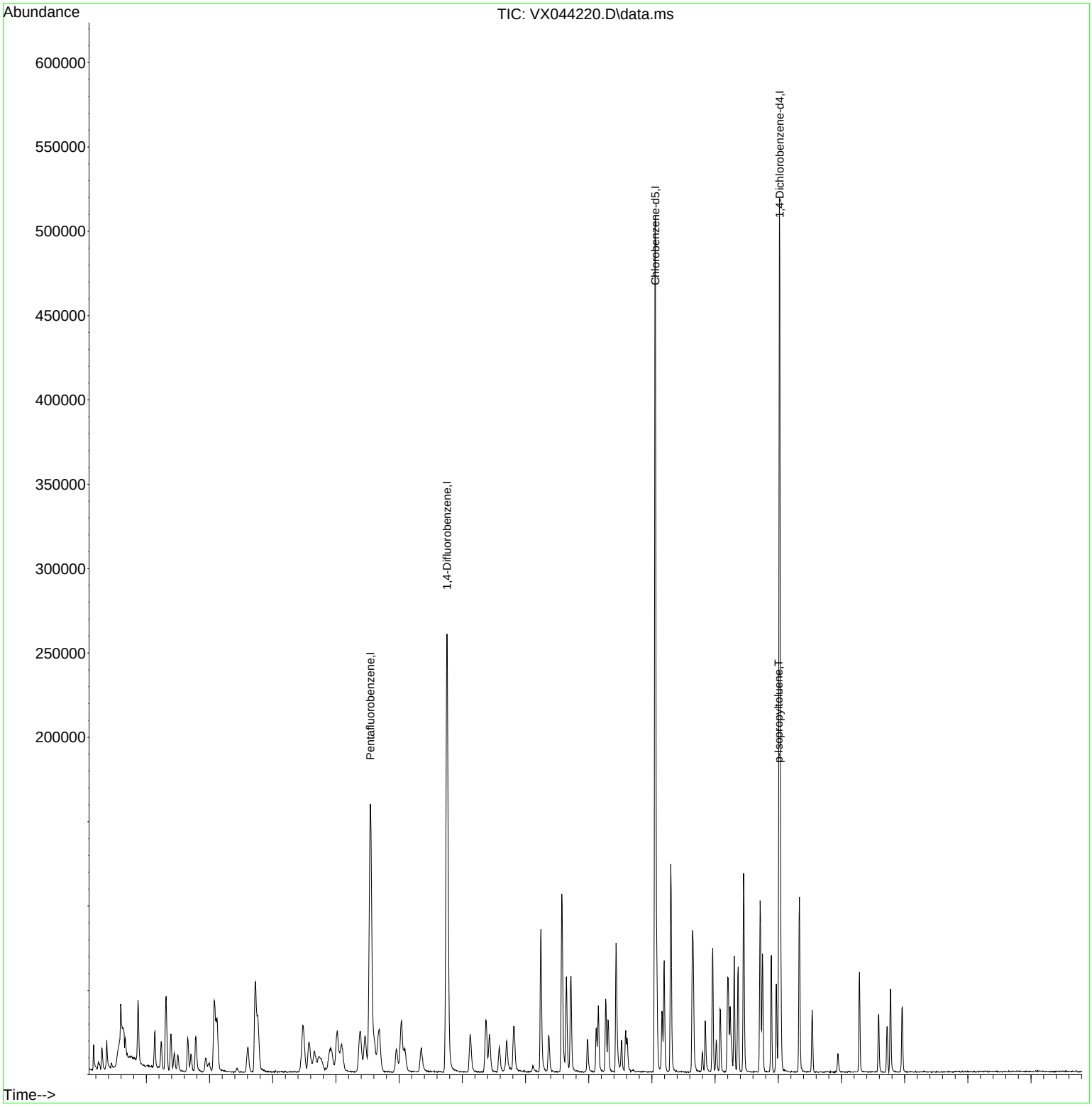
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

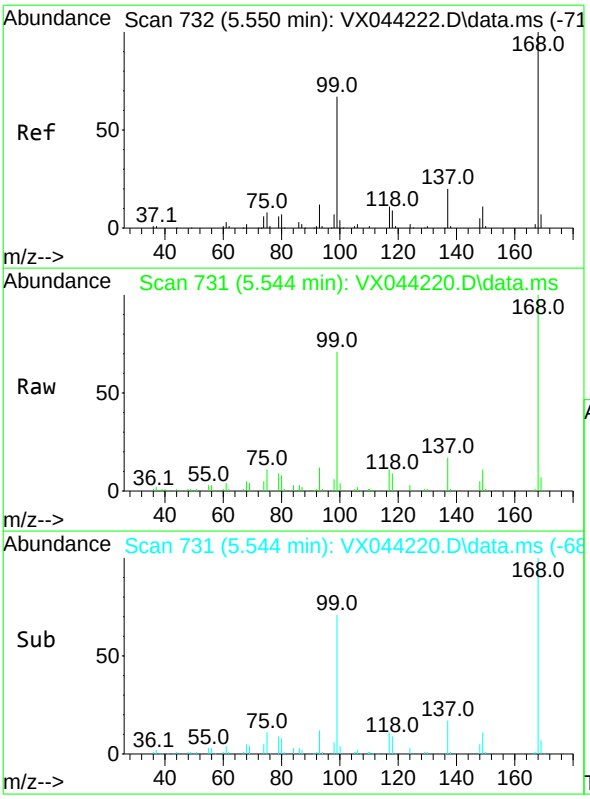
Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

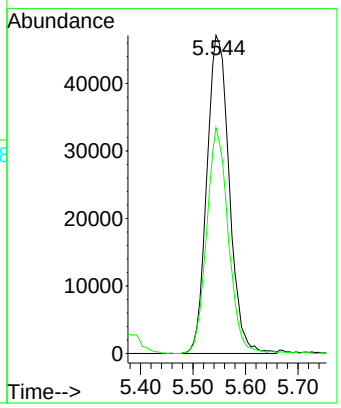





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:168 Resp: 139609

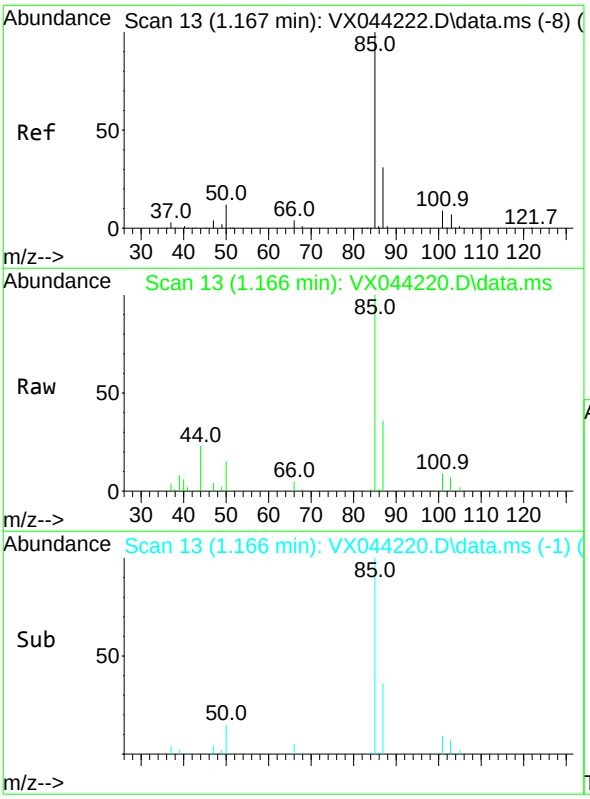
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.0 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

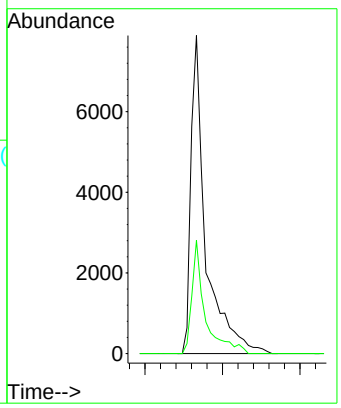
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

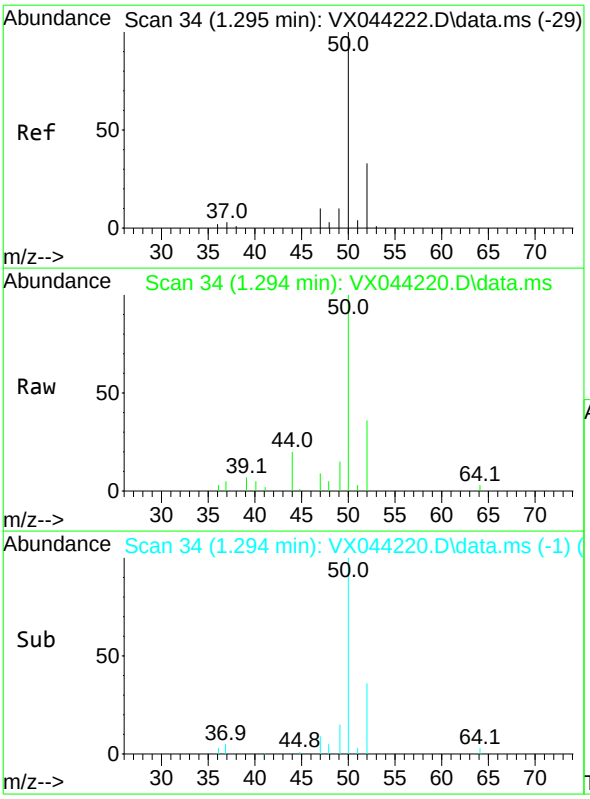



#2
Dichlorodifluoromethane
Concen: 4.842 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 85 Resp: 10452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 35.6 | 15.4 | 46.4 |

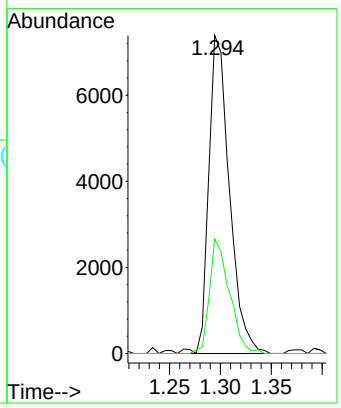





#3
Chloromethane
Concen: 5.052 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 50 Resp: 10429

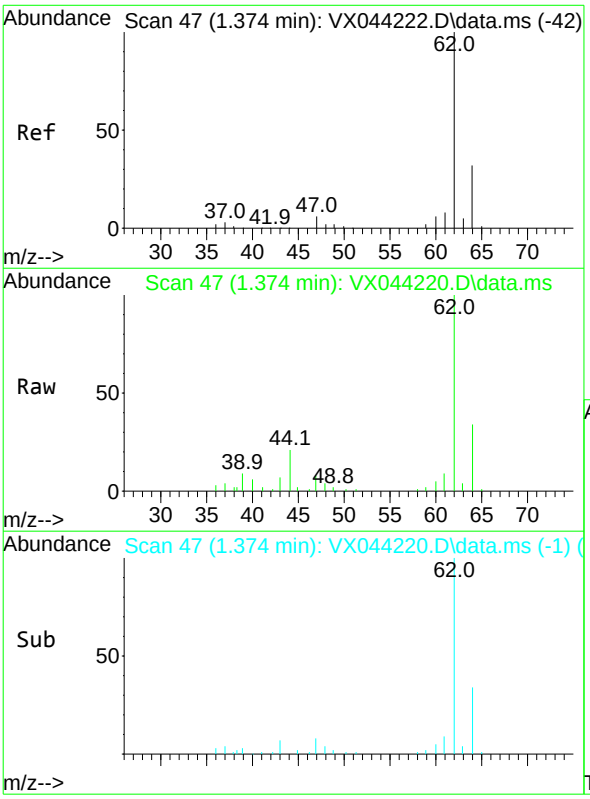
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.0 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

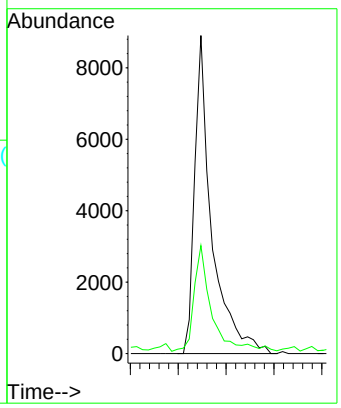
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

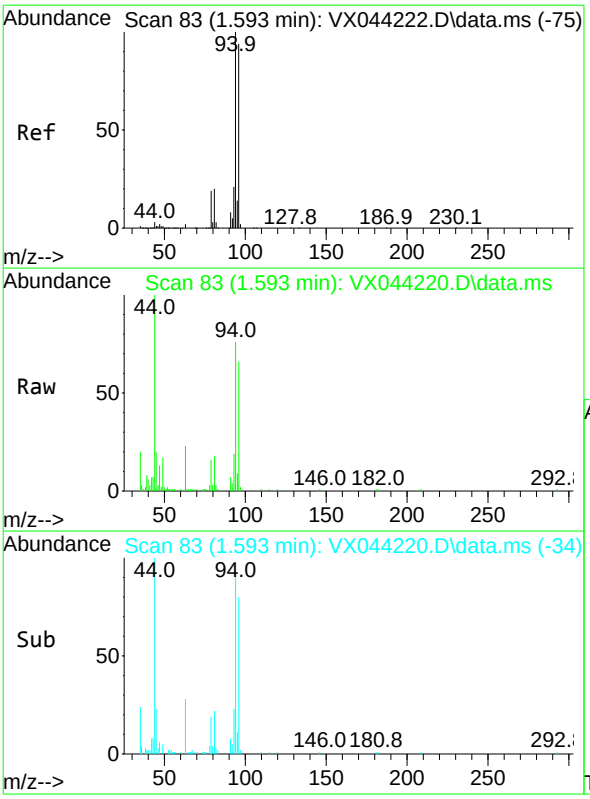



#4
Vinyl Chloride
Concen: 5.129 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 62 Resp: 11031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.1 | 25.7 | 38.5 |

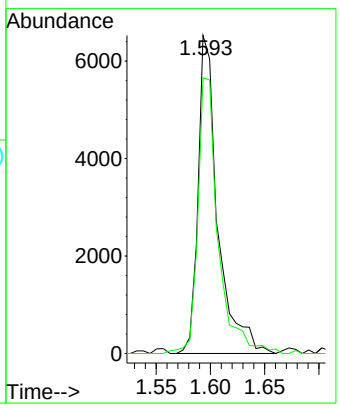





#5
Bromomethane
Concen: 5.399 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 94 Resp: 8237

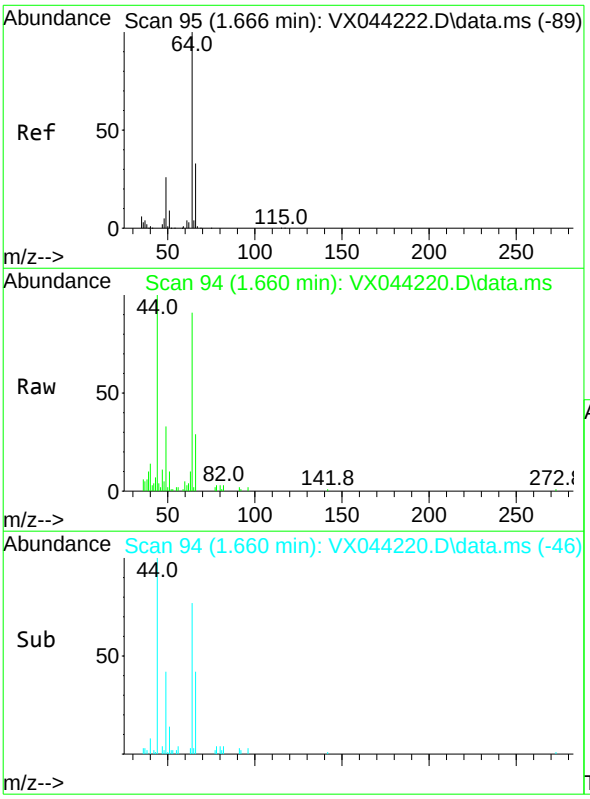
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 85.5 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

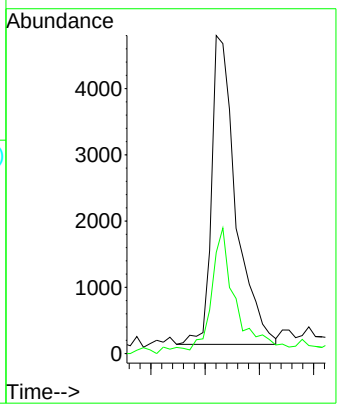
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

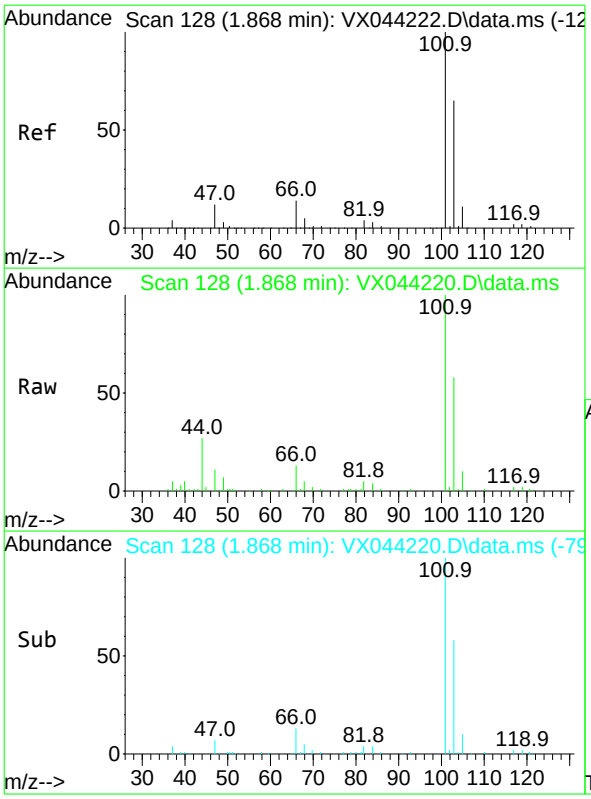



#6
Chloroethane
Concen: 5.416 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 64 Resp: 7253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.7 | 26.6 | 39.8 |

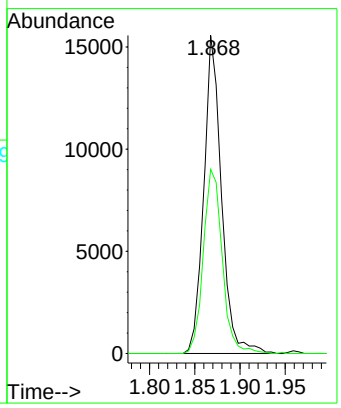





#7
Trichlorofluoromethane
Concen: 5.037 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:101 Resp: 21207

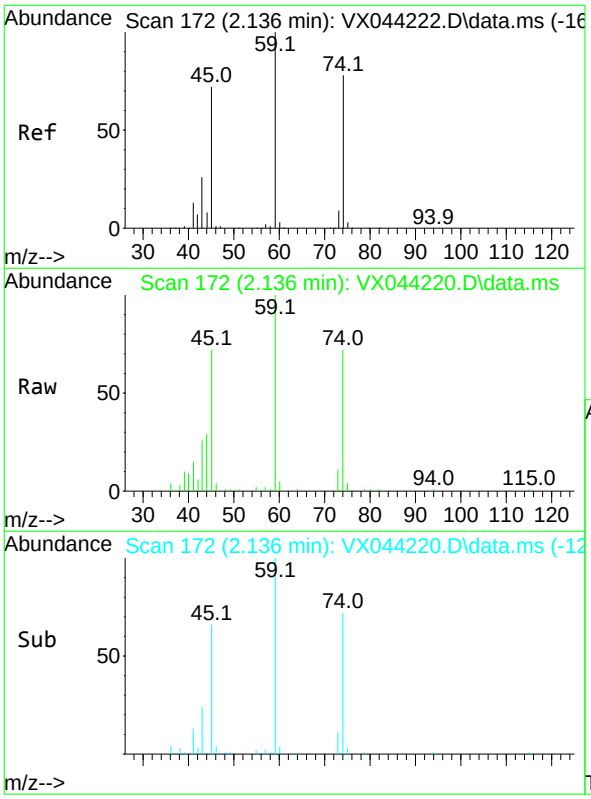
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 57.9 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

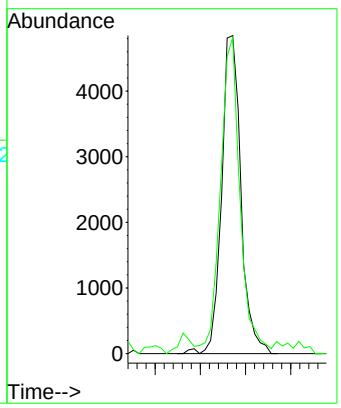
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

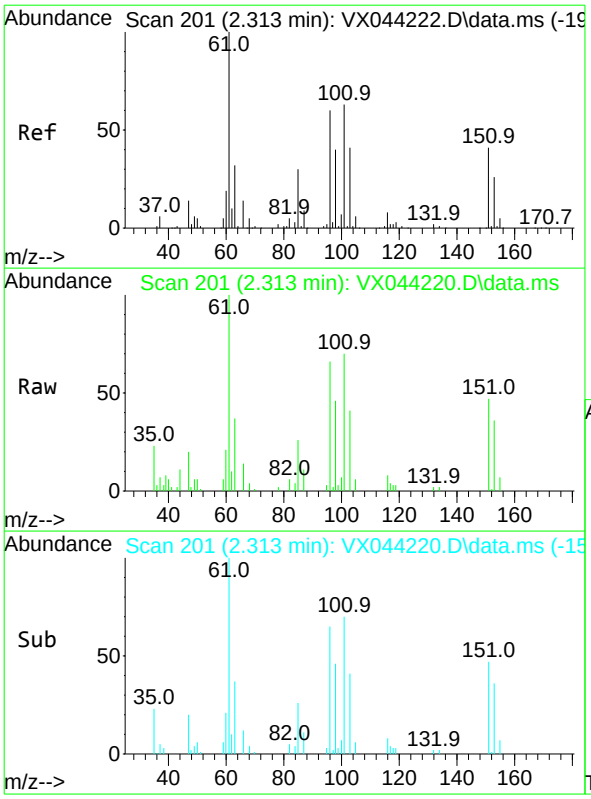



#8
Diethyl Ether
Concen: 5.009 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 74 Resp: 7199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.0 | 48.4 | 145.0 |

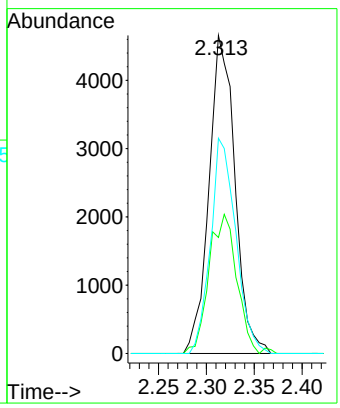





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.145 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:101 Resp: 8766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.7 | 38.5 | 57.7 |
| 151 | 66.2 | 55.8 | 83.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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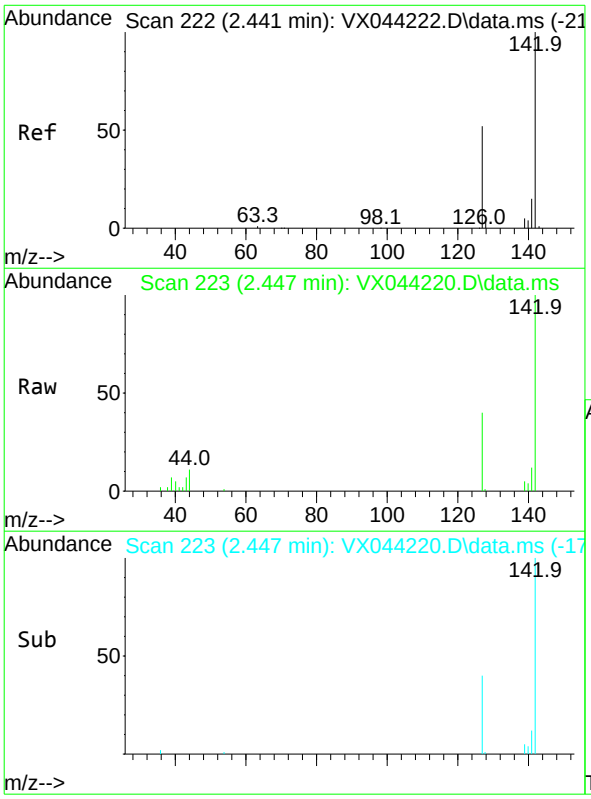
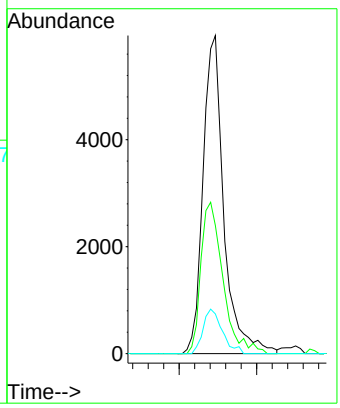
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

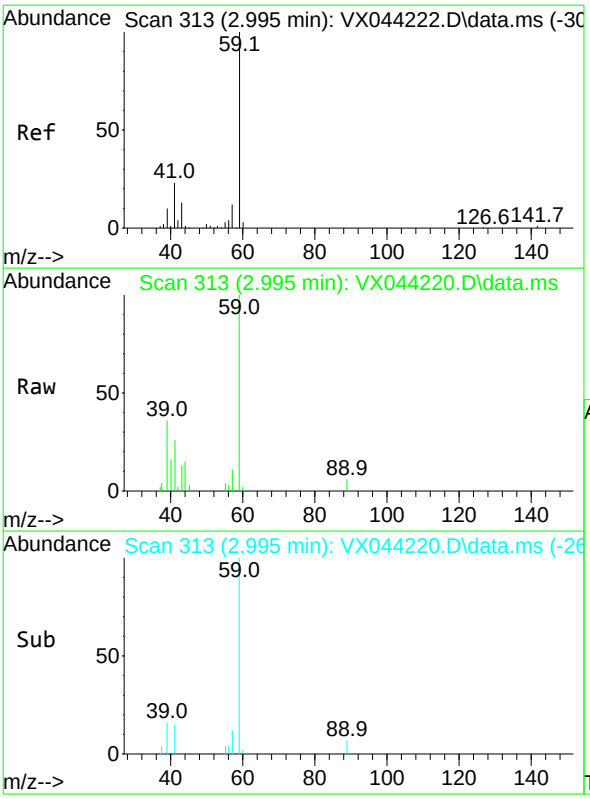



#10
Methyl Iodide
Concen: 4.928 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:142 Resp: 11066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.4 | 41.8 | 62.8 |
| 141 | 12.9 | 11.5 | 17.3 |

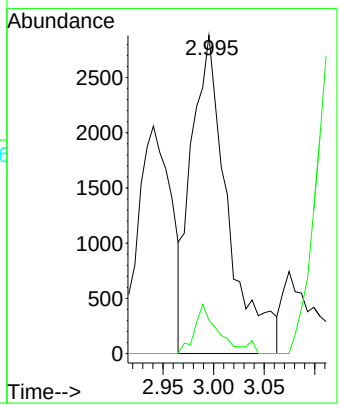





#11
Tert butyl alcohol
Concen: 20.785 ug/l m
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 59 Resp: 7159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.5 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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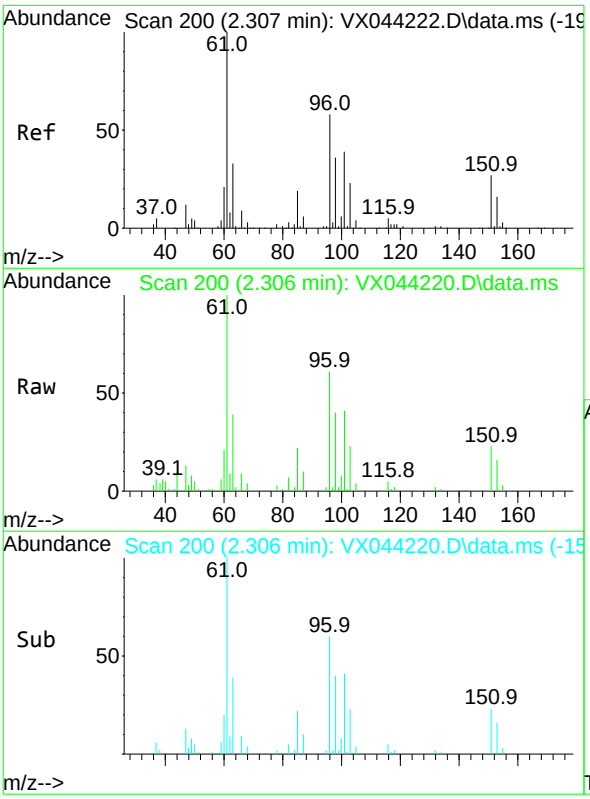
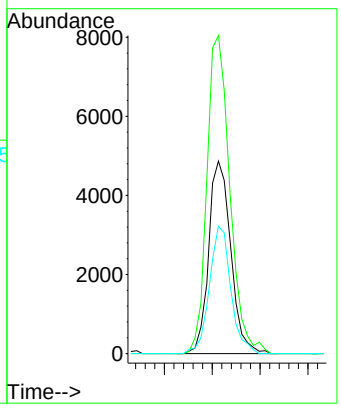
Supervised By :Mahesh Dadoda 12/12/2024

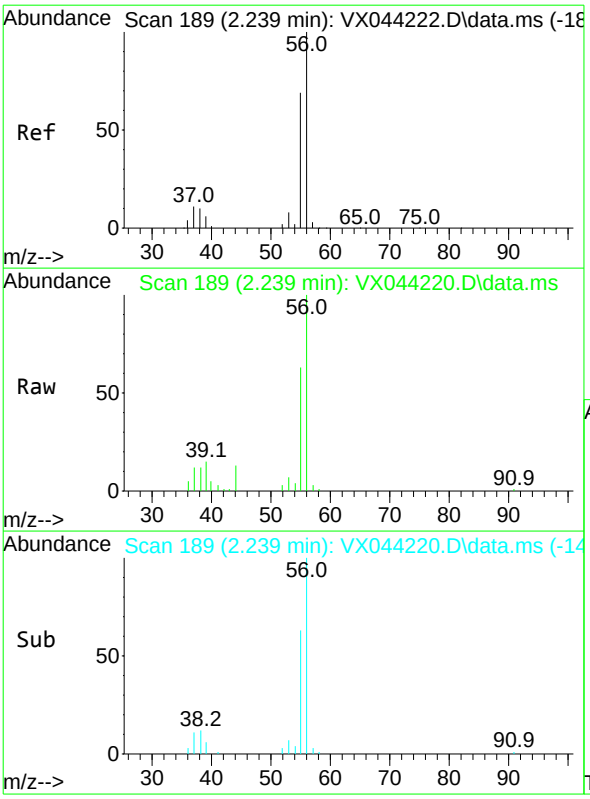



#12
1,1-Dichloroethene
Concen: 4.999 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 96 Resp: 7822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.2 | 138.0 | 207.0 |
| 98 | 66.2 | 50.0 | 75.0 |

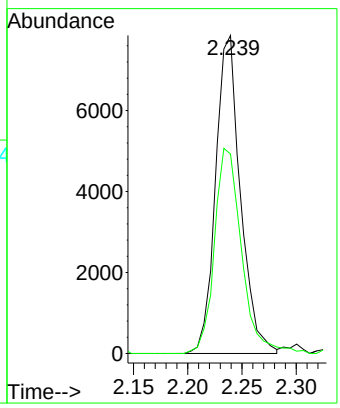





#13
Acrolein
Concen: 25.073 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 56 Resp: 12521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.6 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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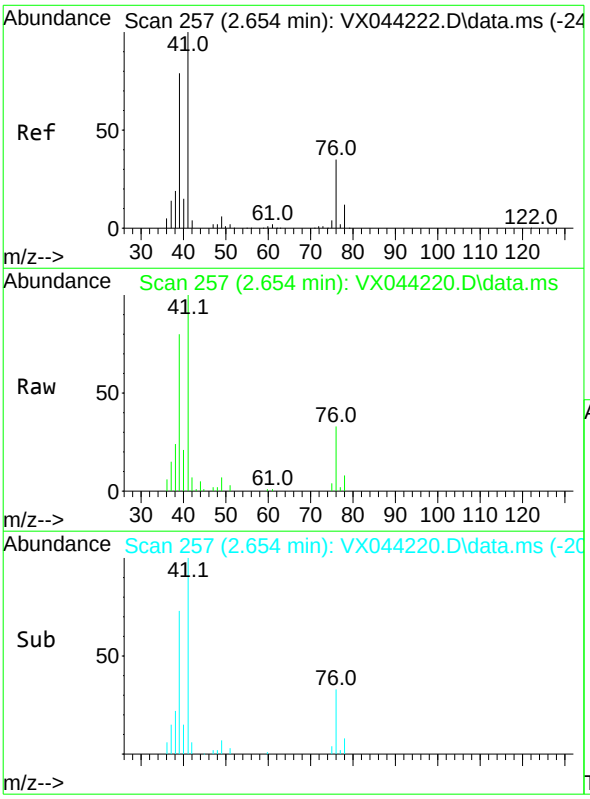
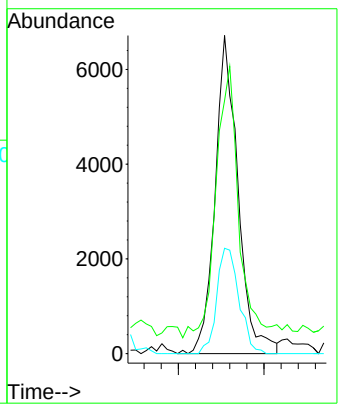
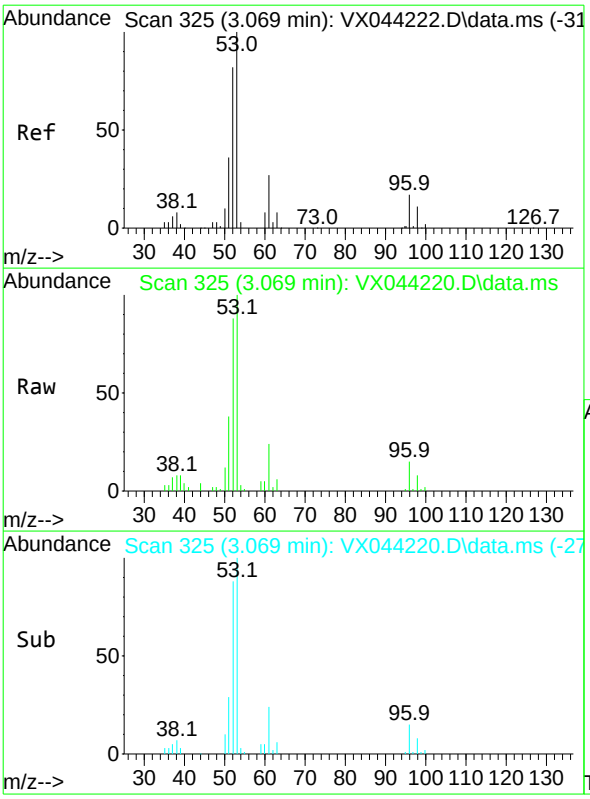



#14
Allyl chloride
Concen: 4.792 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 12490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 84.0 | 61.9 | 92.9 |
| 76 | 32.1 | 27.4 | 41.2 |

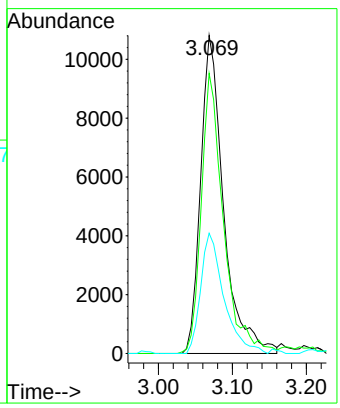





#15
Acrylonitrile
Concen: 24.357 ug/l
RT: 3.069 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 53 Resp: 23276

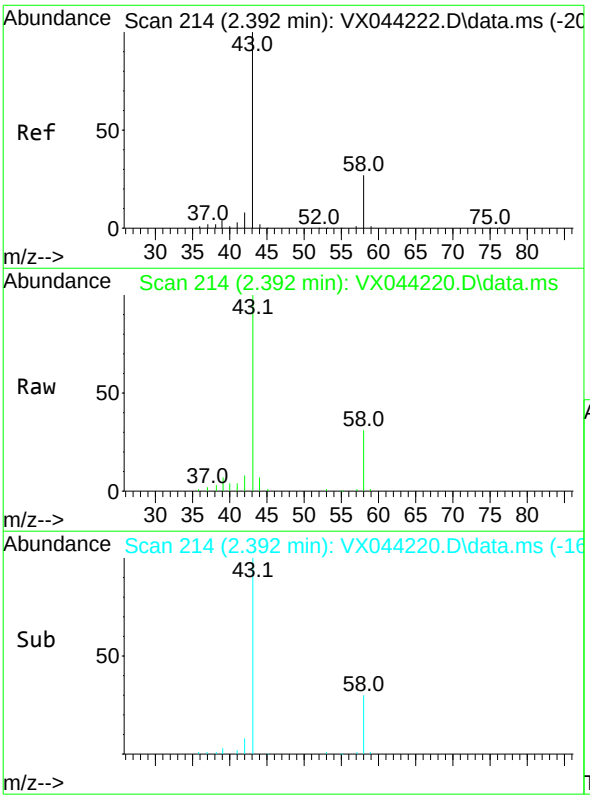
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.0 | 67.4 | 101.0 |
| 51 | 38.2 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

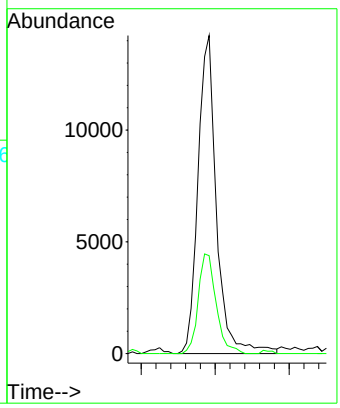
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

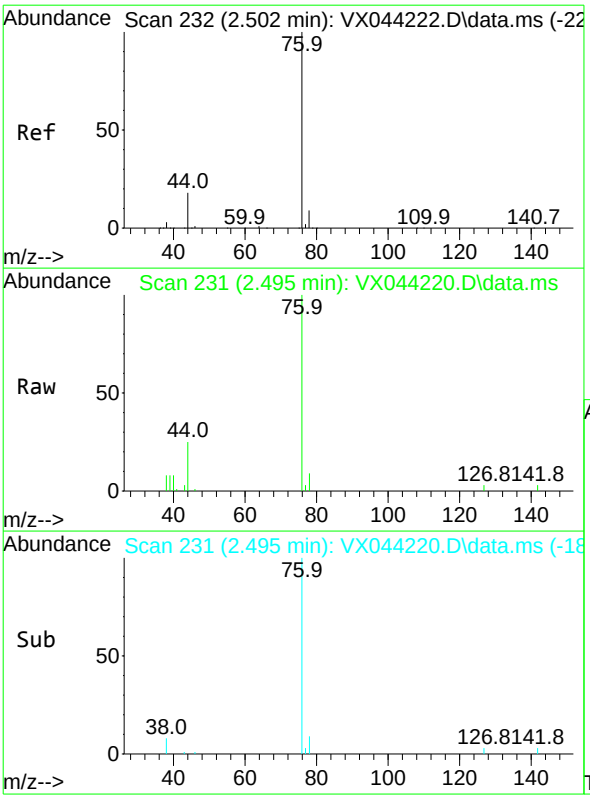



#16
Acetone
Concen: 24.696 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 24645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.8 | 21.6 | 32.4 |

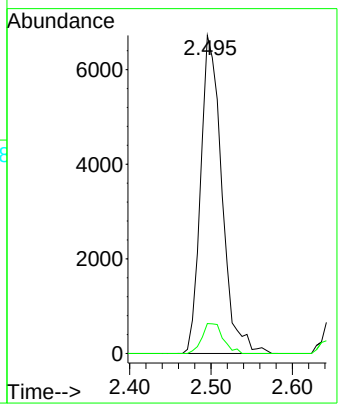





#17
Carbon Disulfide
Concen: 4.091 ug/l
RT: 2.495 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 76 Resp: 12169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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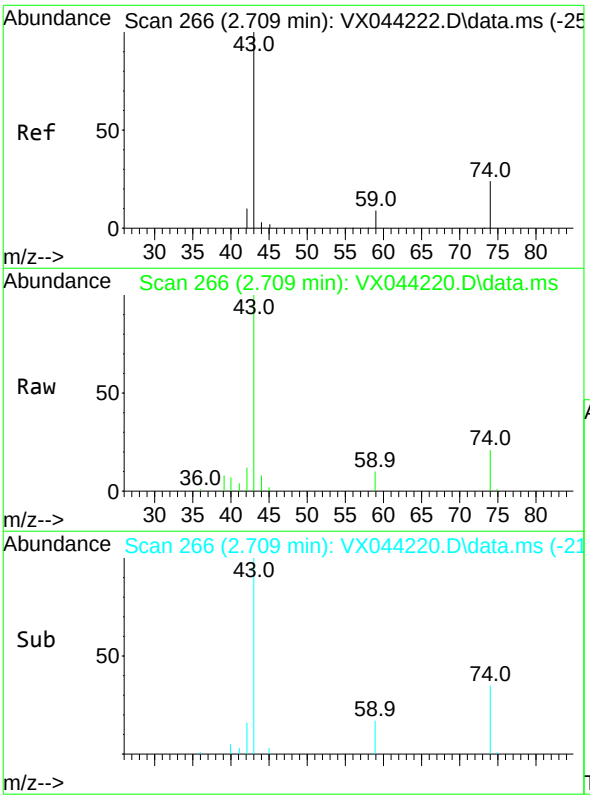
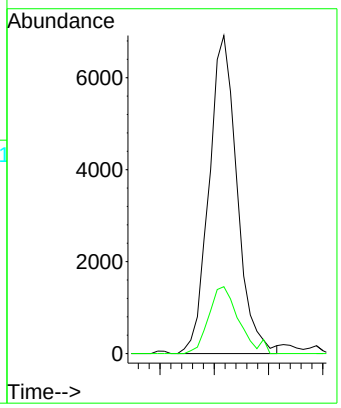
Supervised By :Mahesh Dadoda 12/12/2024

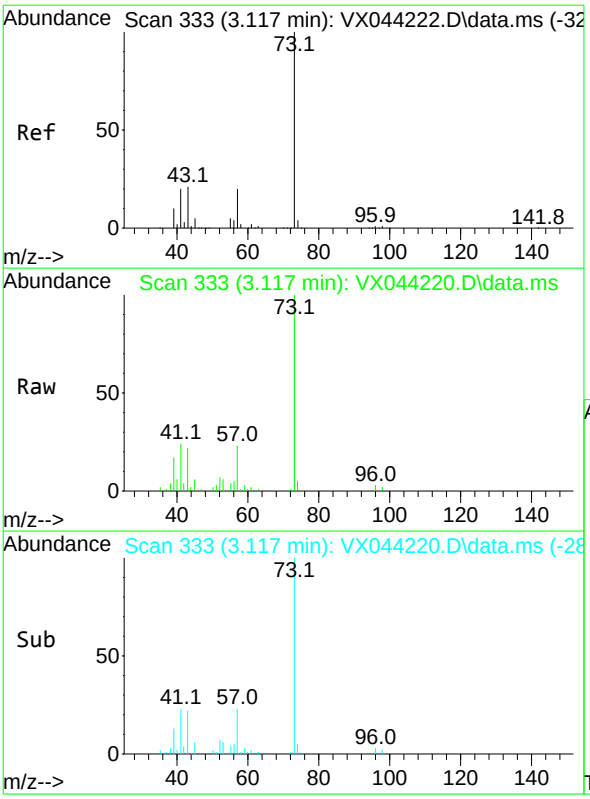



#18
Methyl Acetate
Concen: 4.824 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 12412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 17.7 | 26.5 |

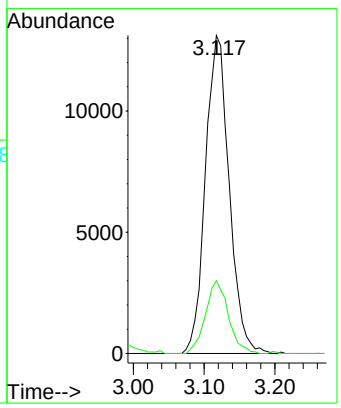





#19
Methyl tert-butyl Ether
Concen: 5.002 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 73 Resp: 30546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.9 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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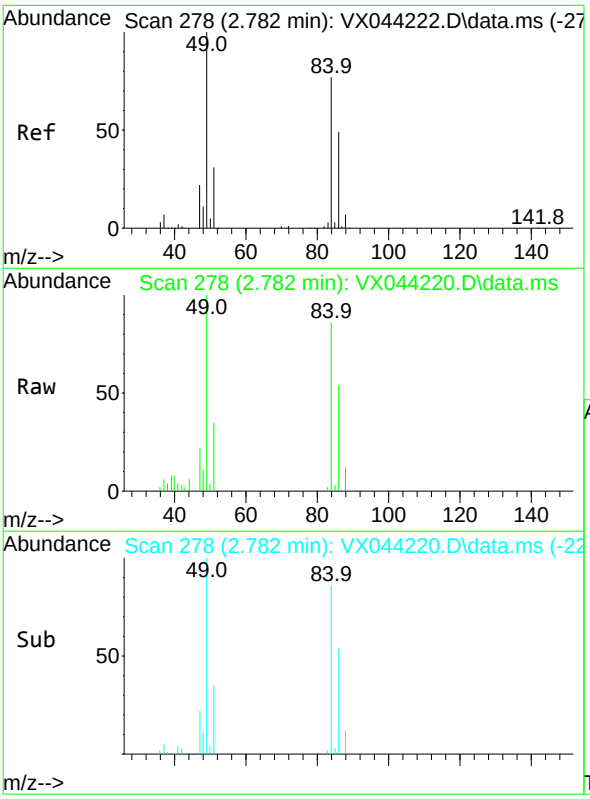
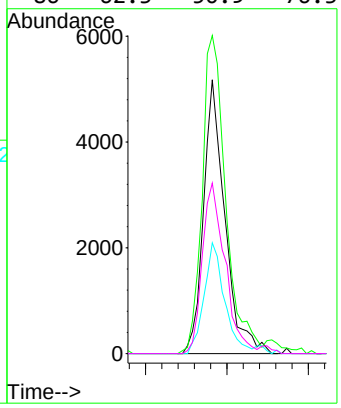
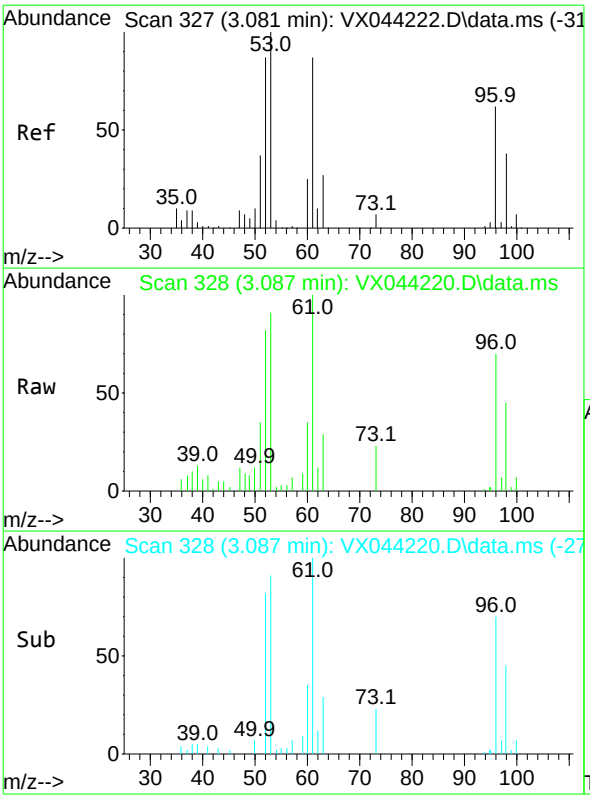



#20
Methylene Chloride
Concen: 5.050 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 84 Resp: 9466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.2 | 104.2 | 156.4 |
| 51 | 40.4 | 32.2 | 48.4 |
| 86 | 62.3 | 50.9 | 76.3 |

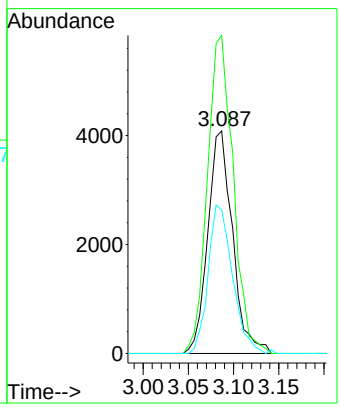





#21
trans-1,2-Dichloroethene
Concen: 4.671 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 96 Resp: 7768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.9 | 112.0 | 168.0 |
| 98 | 64.4 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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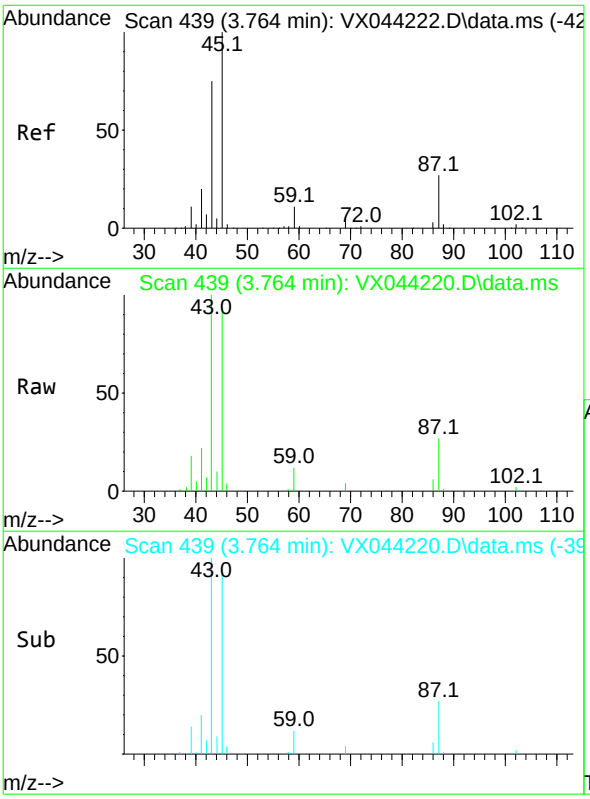
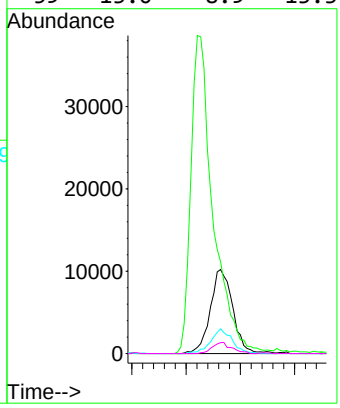
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

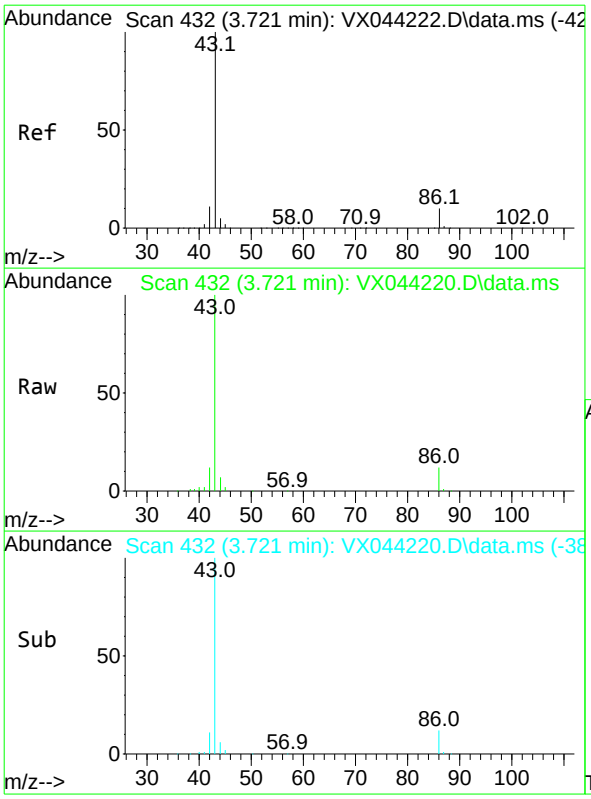



#22
Diisopropyl ether
Concen: 5.029 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 45 Resp: 29518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 107.7 | 60.2 | 90.2# |
| 87 | 29.5 | 21.2 | 31.8 |
| 59 | 13.0 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 22.983 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

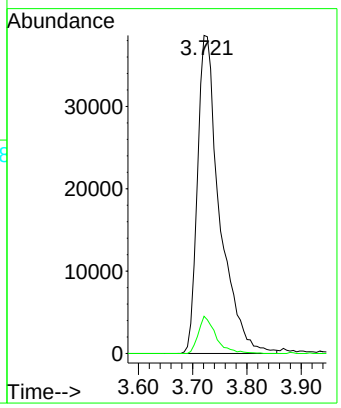
Tgt Ion: 43 Resp: 109670

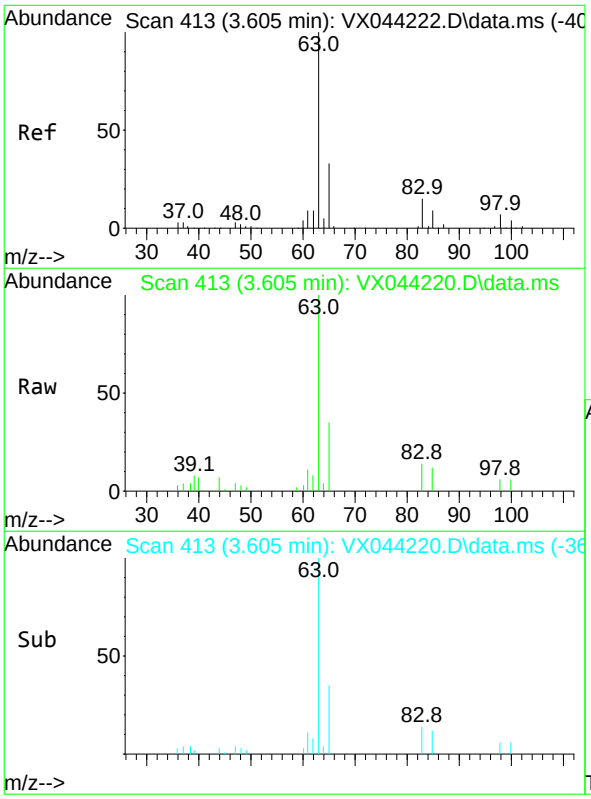
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.7 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

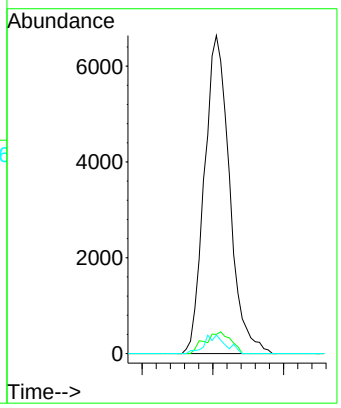


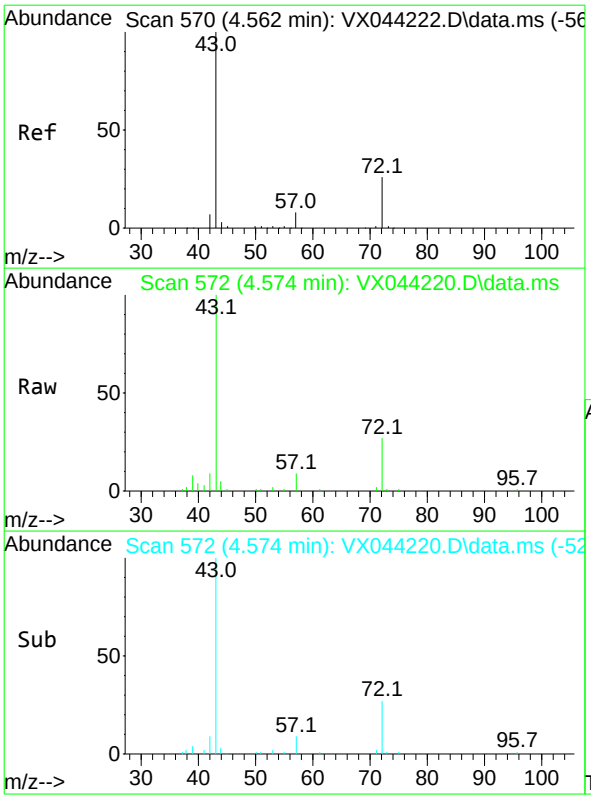




#24
1,1-Dichloroethane
Concen: 5.004 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 16370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.0 | 3.6 | 10.8 |
| 100 | 5.9 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 24.138 ug/l
RT: 4.574 min Scan# 57
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

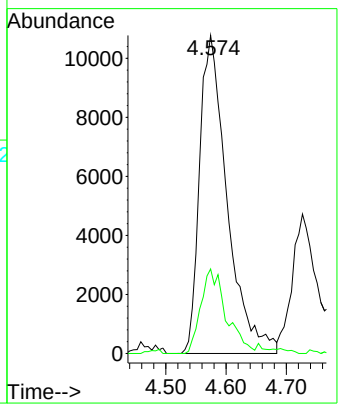
Tgt Ion: 43 Resp: 34245

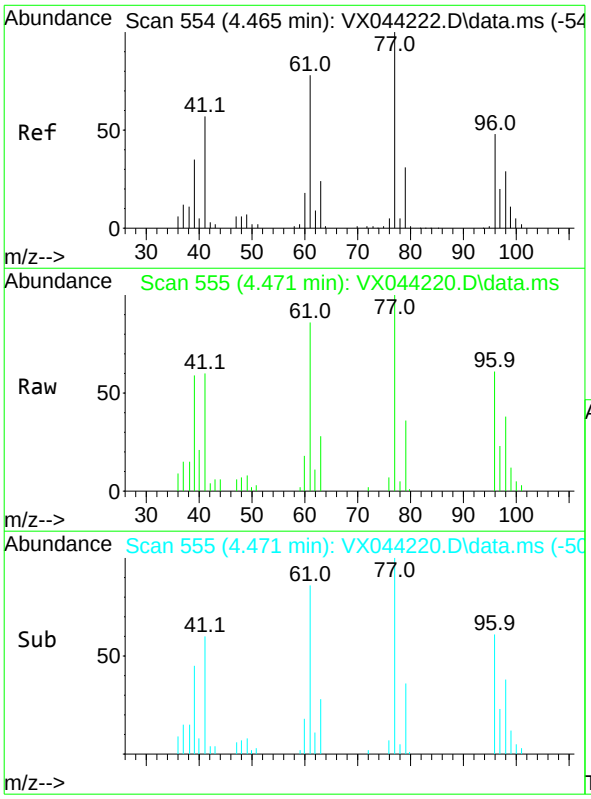
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.6 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

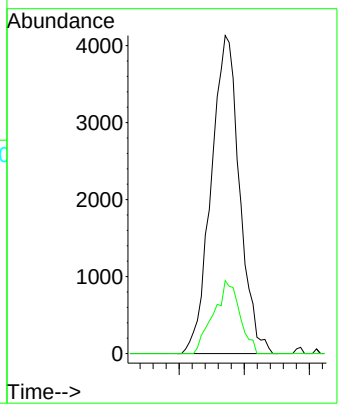


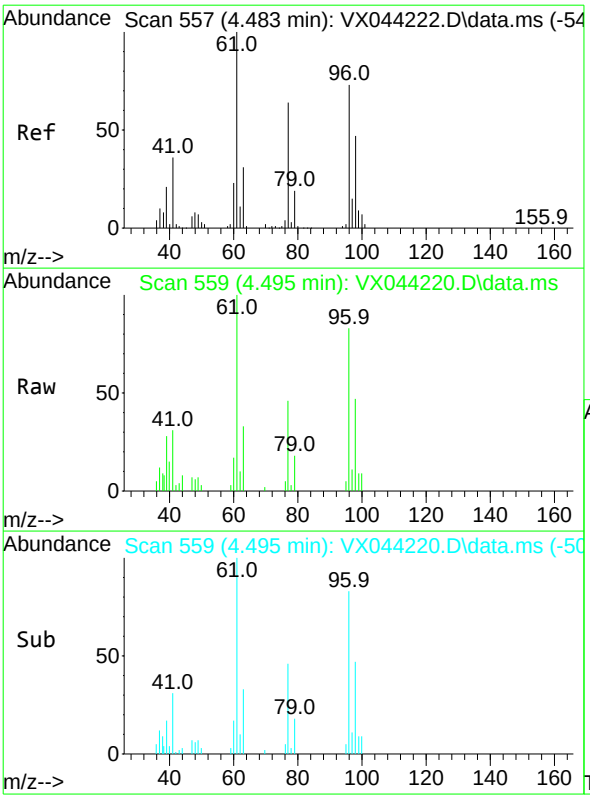




#26
2,2-Dichloropropane
Concen: 4.708 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 77 Resp: 12514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.2 | 10.7 | 32.1 |

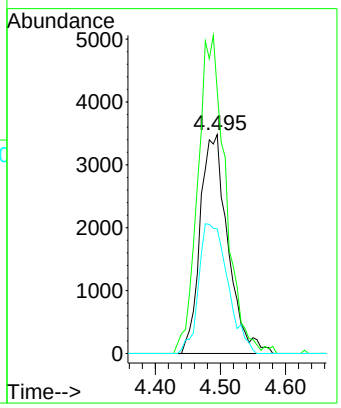





#27
cis-1,2-Dichloroethene
Concen: 4.873 ug/l
RT: 4.495 min Scan# 55
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 96 Resp: 10292

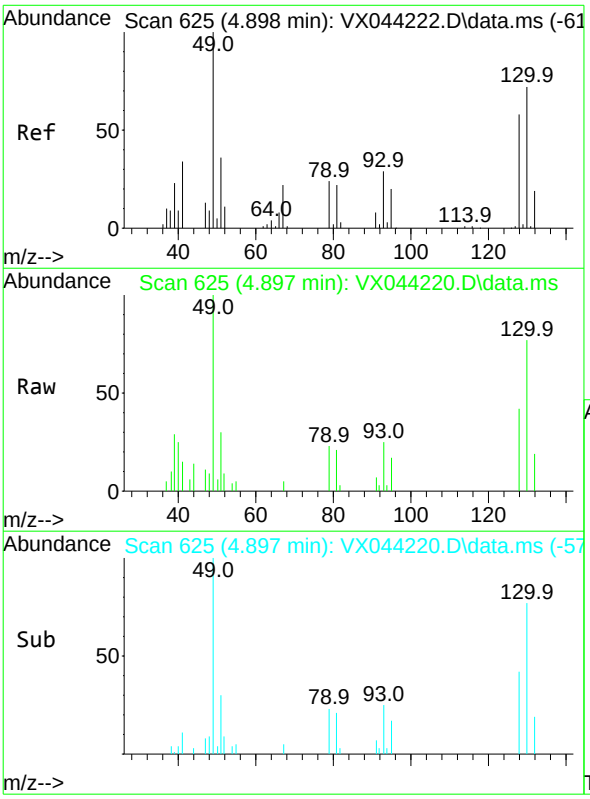
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.0 | 0.0 | 299.0 |
| 98 | 62.4 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

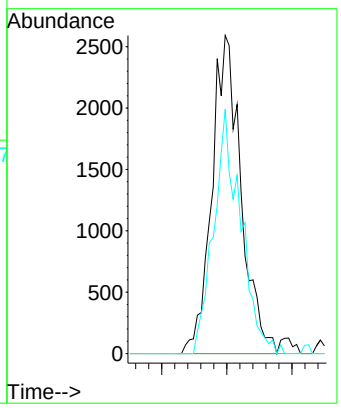
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

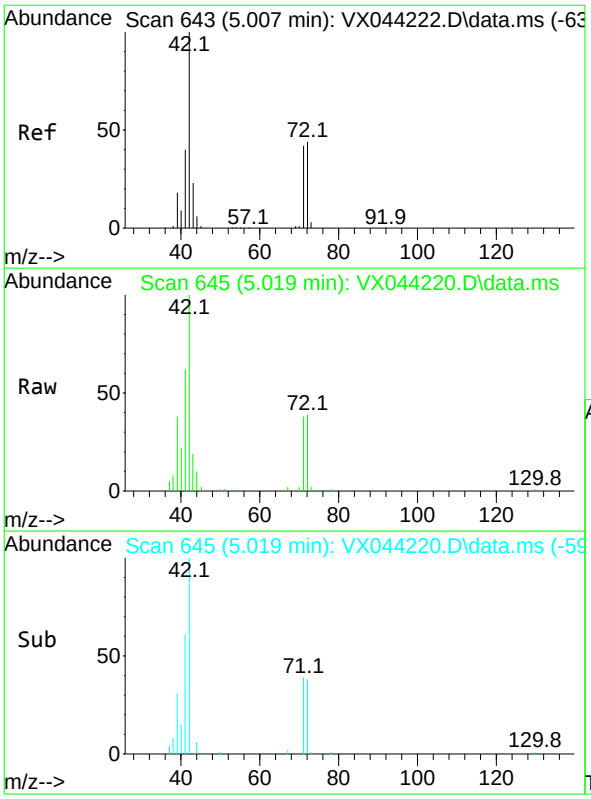



#28
Bromochloromethane
Concen: 5.017 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 49 Resp: 8049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.2 |
| 130 | 71.2 | 62.1 | 93.1 |

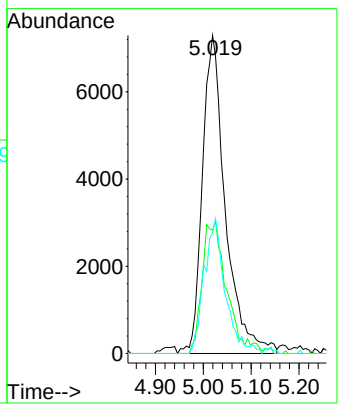





#29
Tetrahydrofuran
Concen: 26.693 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 42 Resp: 24307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 37.0 | 55.6 |
| 71 | 38.9 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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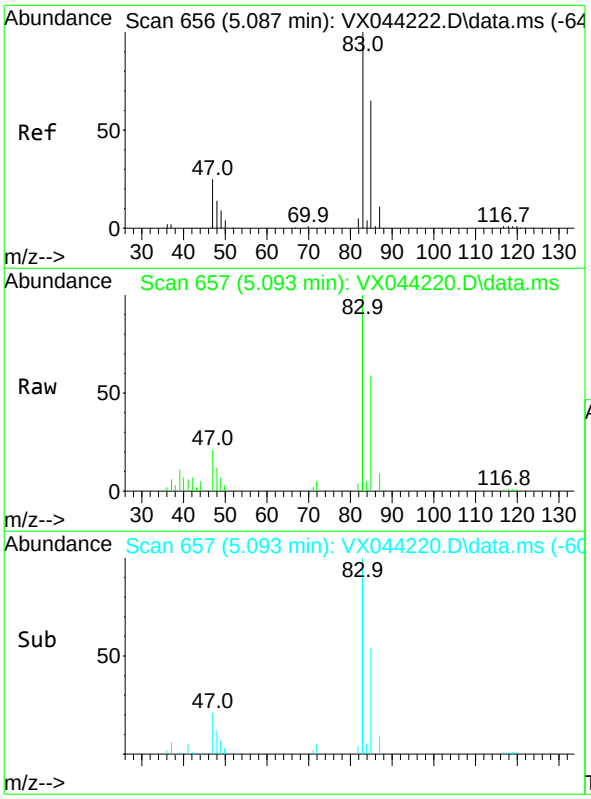
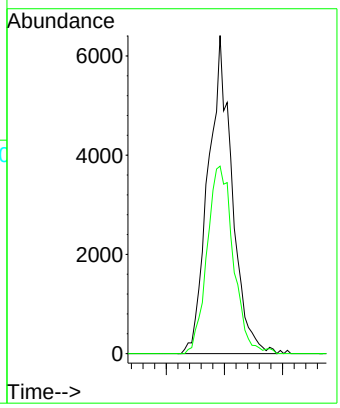
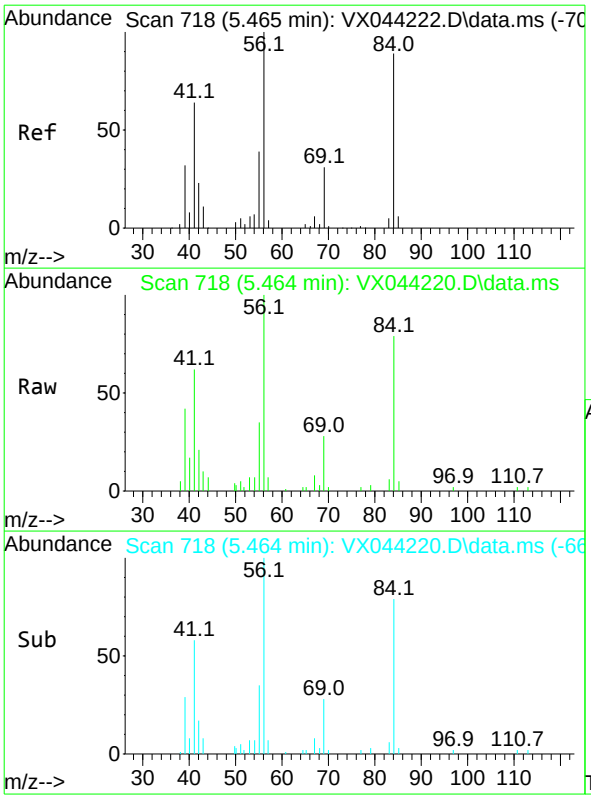



#30
Chloroform
Concen: 4.984 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 18319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.9 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 4.919 ug/l
RT: 5.464 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 56 Resp: 12995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 26.4 | 24.7 | 37.1 |
| 84 | 77.9 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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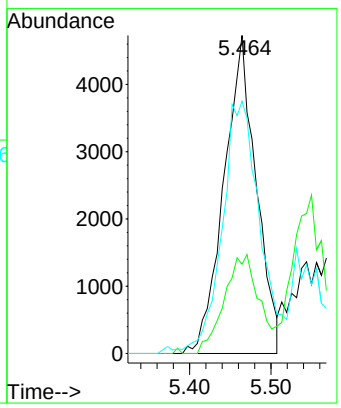
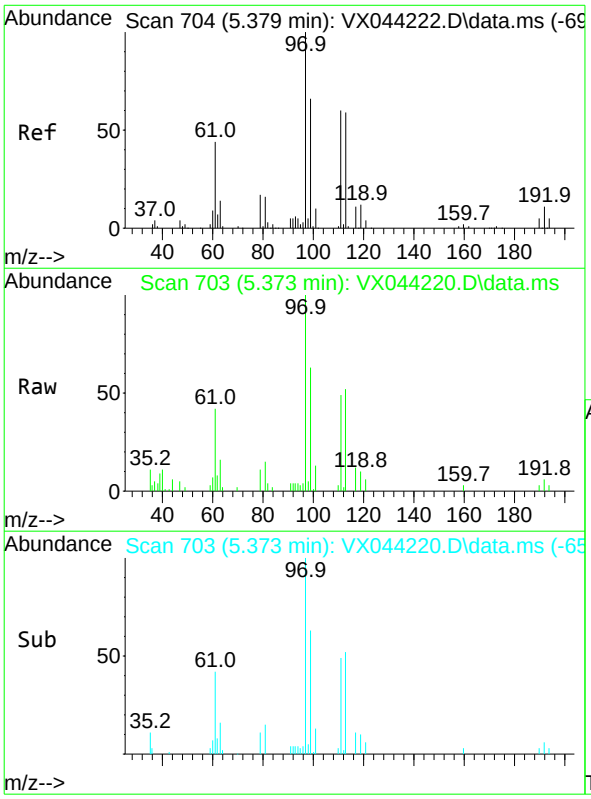
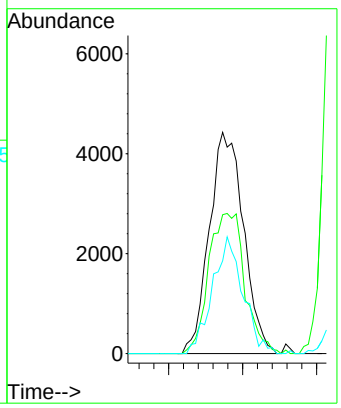


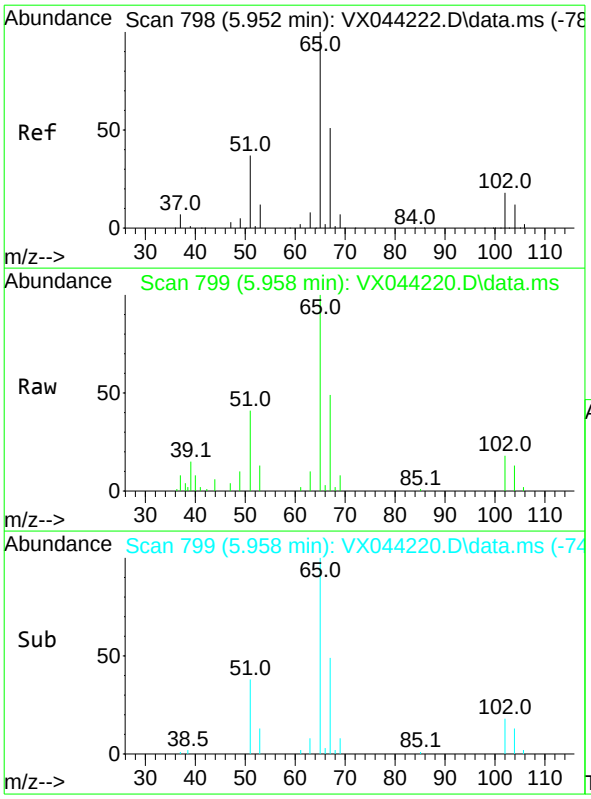




#32
1,1,1-Trichloroethane
Concen: 4.664 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 97 Resp: 14231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.8 | 50.8 | 76.2 |
| 61 | 46.9 | 35.2 | 52.8 |






#33
1,2-Dichloroethane-d4
Concen: 5.328 ug/l
RT: 5.958 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 65 Resp: 13043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 101.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

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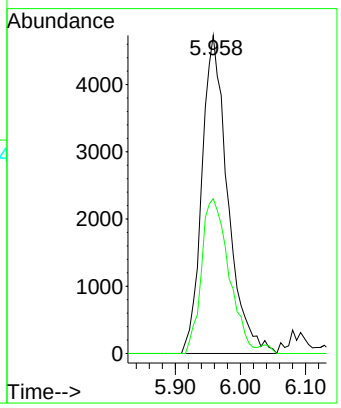
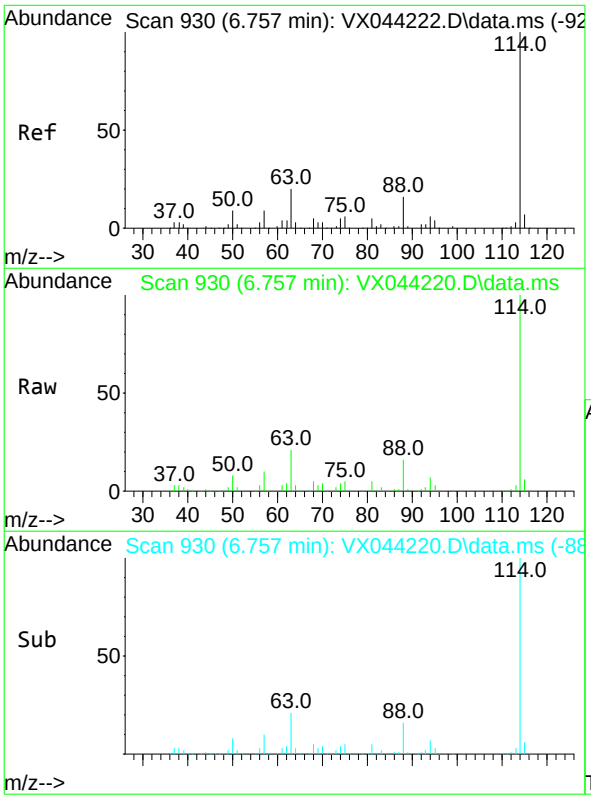
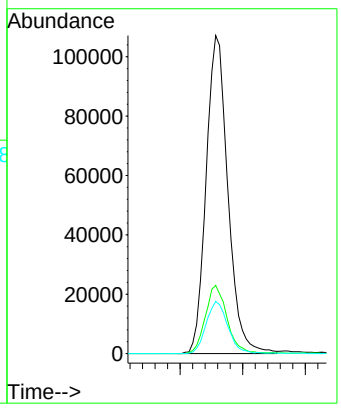


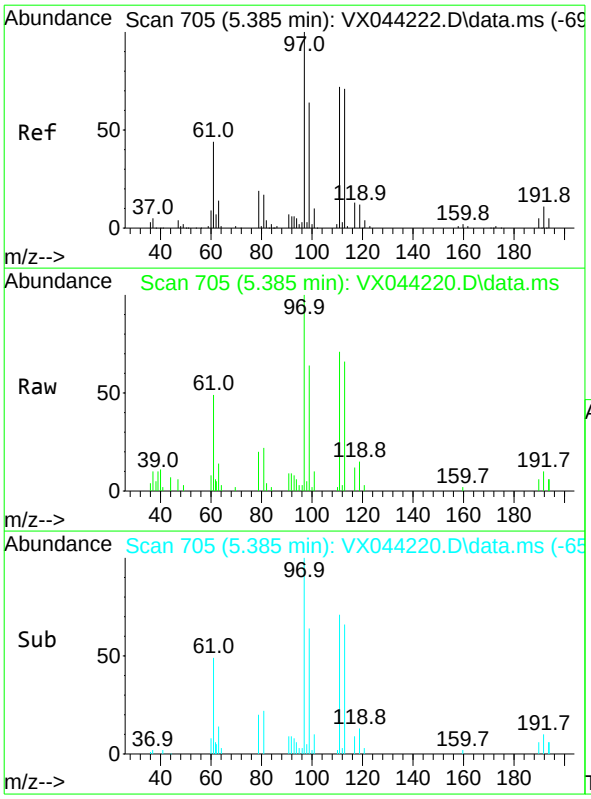




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:114 Resp: 258881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 40.6 |
| 88 | 16.4 | 0.0 | 31.8 |

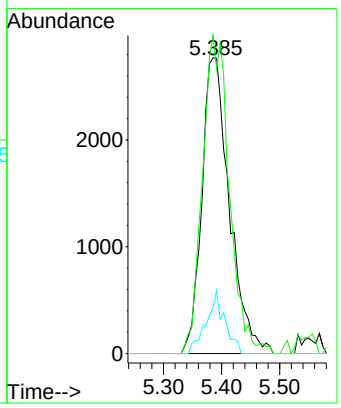





#35
Dibromofluoromethane
Concen: 5.100 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:113 Resp: 9145

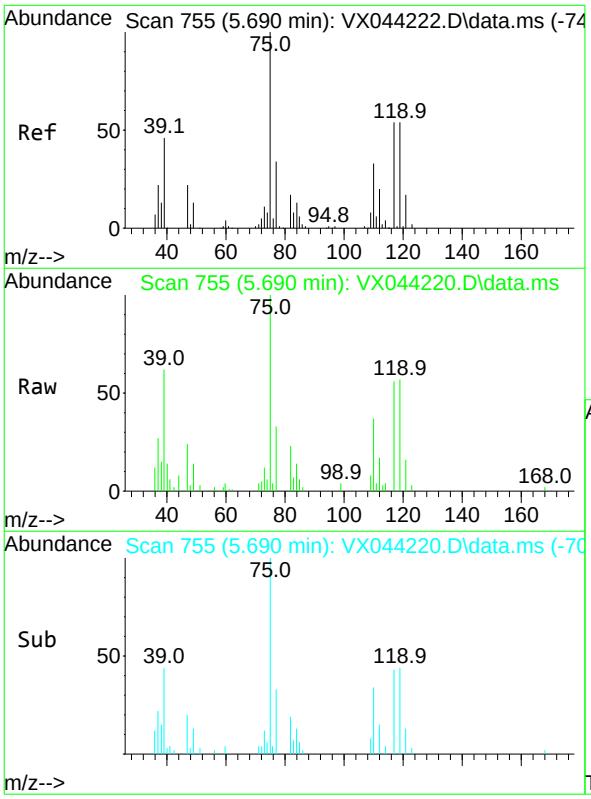
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.7 | 80.4 | 120.6 |
| 192 | 14.2 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

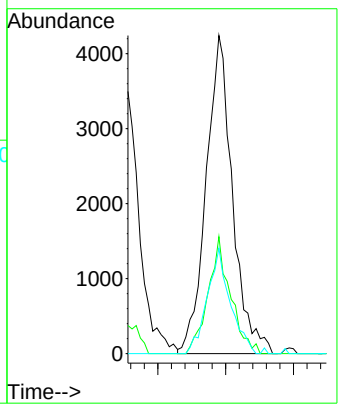
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

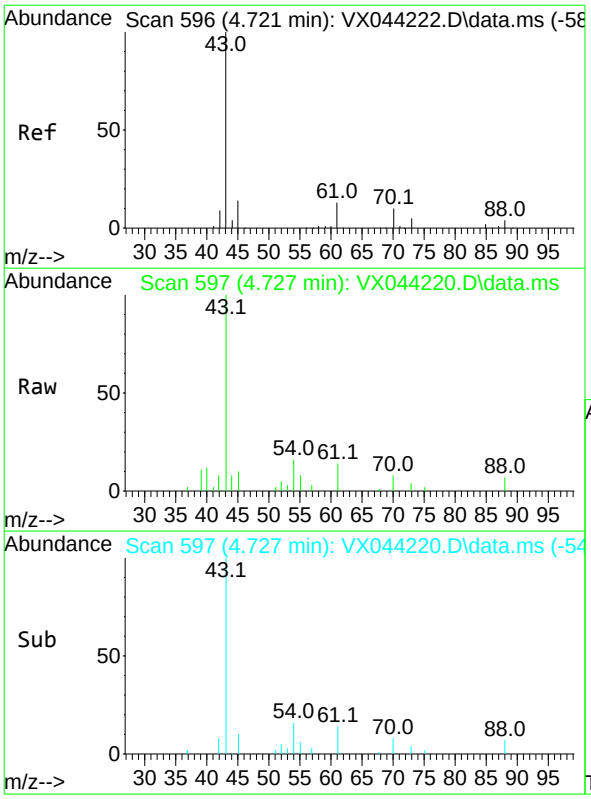



#36
1,1-Dichloropropene
Concen: 4.942 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 11455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 31.1 | 17.3 | 51.7 |
| 77 | 28.7 | 25.4 | 38.0 |

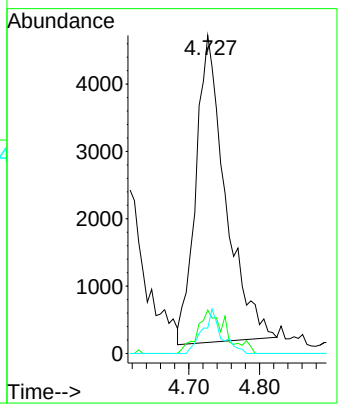





#37
Ethyl Acetate
Concen: 4.630 ug/l
RT: 4.727 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 13265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 9.8 | 14.8 |
| 70 | 9.1 | 7.7 | 11.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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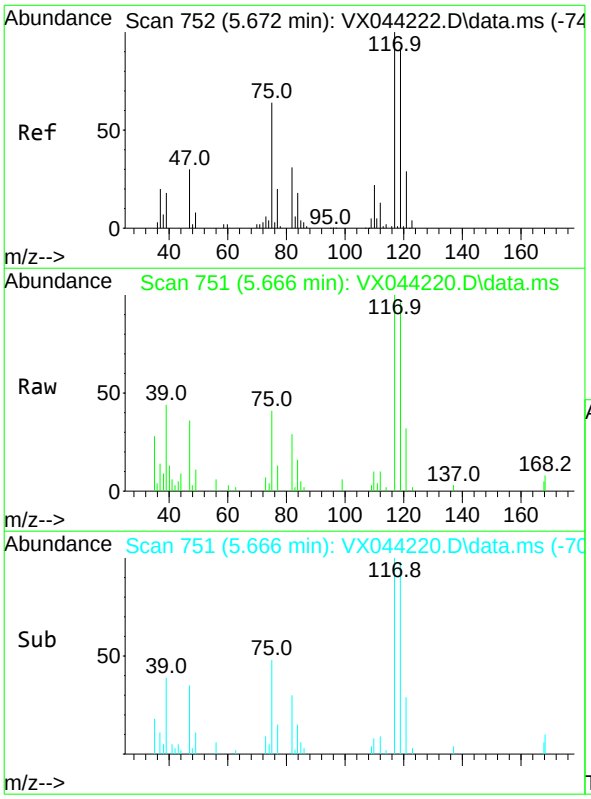
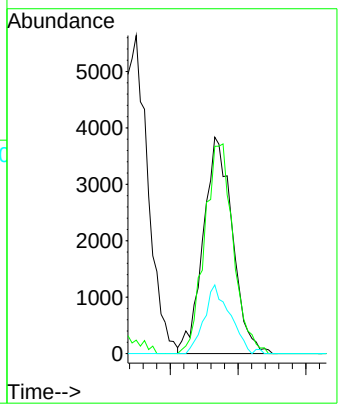
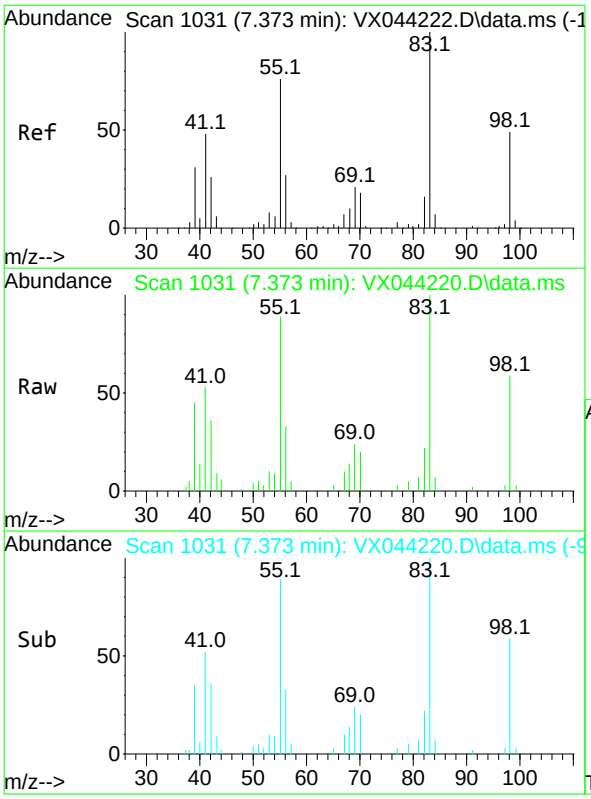



#38
Carbon Tetrachloride
Concen: 4.599 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 11476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.8 | 74.2 | 111.4 |
| 121 | 31.7 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 4.699 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 13019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 88.8 | 60.7 | 91.1 |
| 98 | 59.0 | 38.9 | 58.3# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

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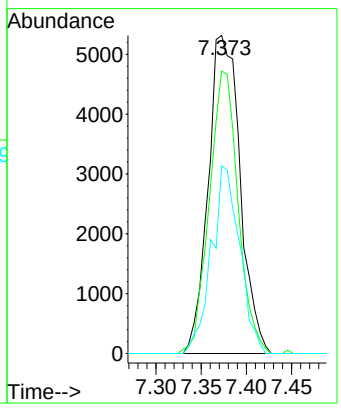
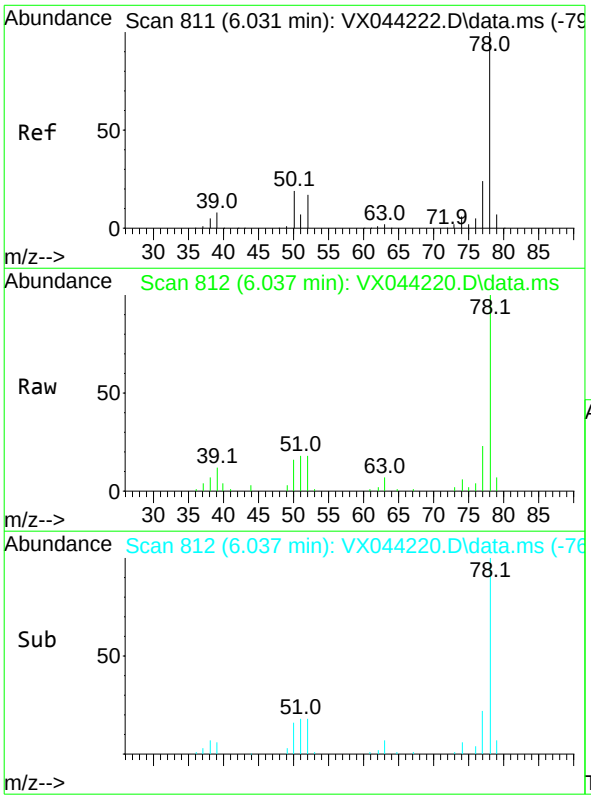
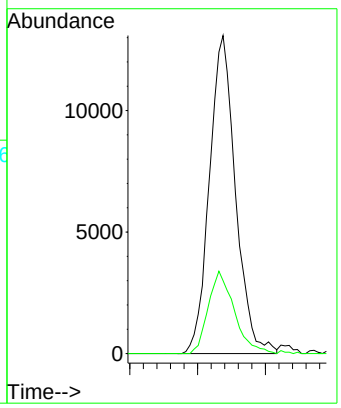


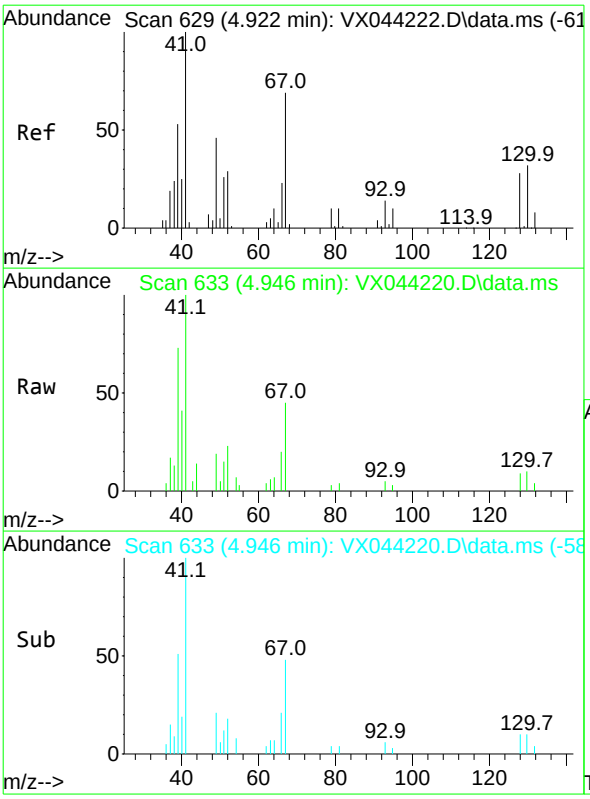




#40
Benzene
Concen: 4.976 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 78 Resp: 35018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.9 | 19.3 | 28.9 |

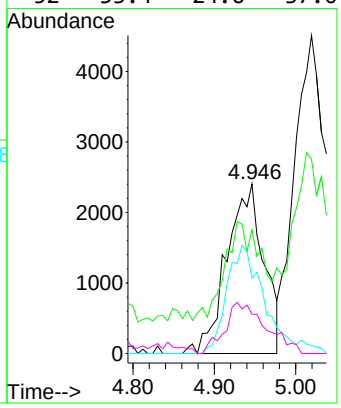





#41
Methacrylonitrile
Concen: 4.986 ug/l
RT: 4.946 min Scan# 63
Delta R.T. 0.024 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 7585

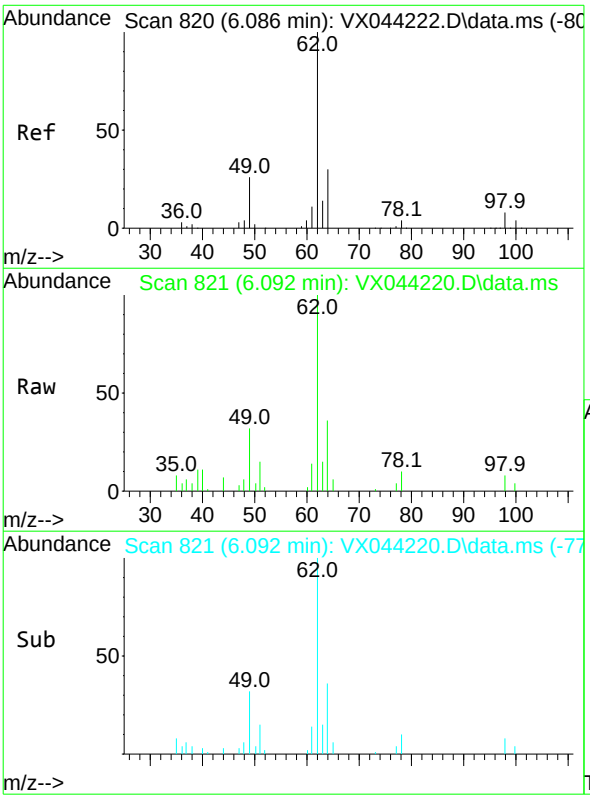
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.4 | 44.2 | 66.4 |
| 67 | 63.0 | 57.2 | 85.8 |
| 52 | 33.4 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

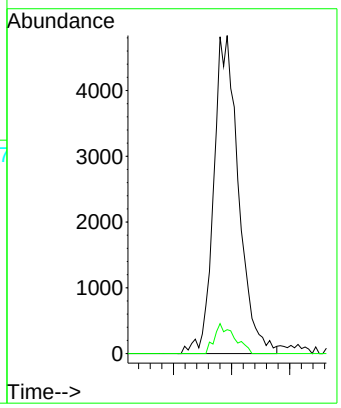
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

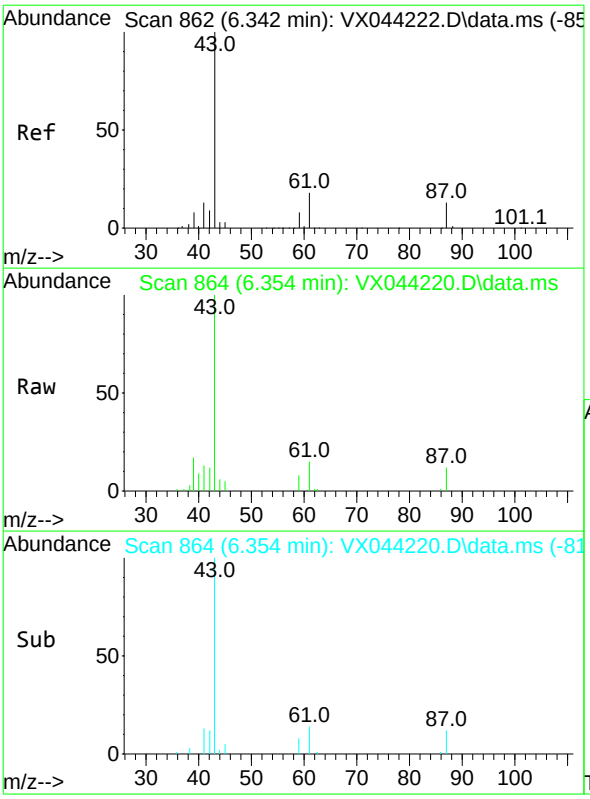



#42
1,2-Dichloroethane
Concen: 4.974 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 62 Resp: 14419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.5 | 0.0 | 15.8 |

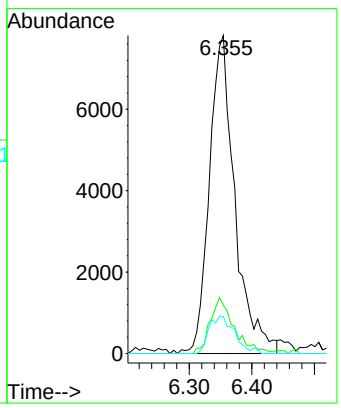





#43
Isopropyl Acetate
Concen: 4.935 ug/l
RT: 6.354 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 22098

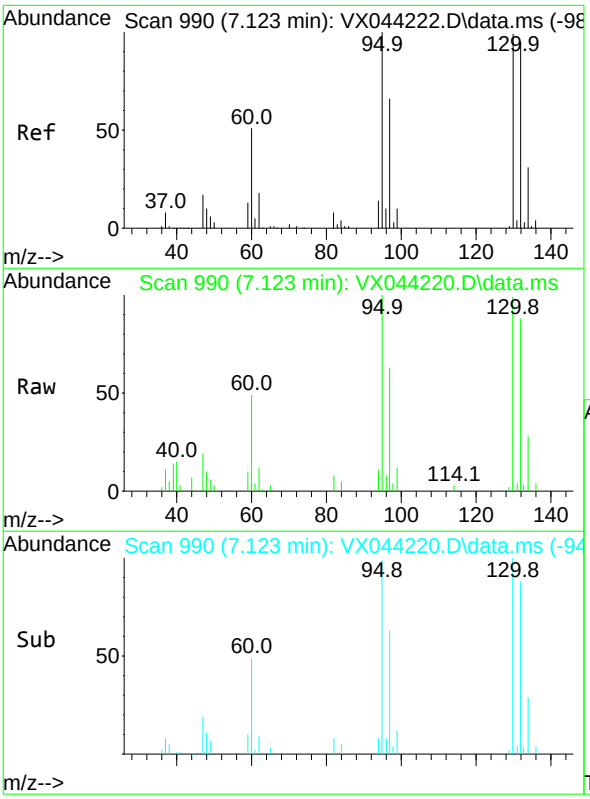
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.5 | 14.2 | 21.2 |
| 87 | 11.9 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

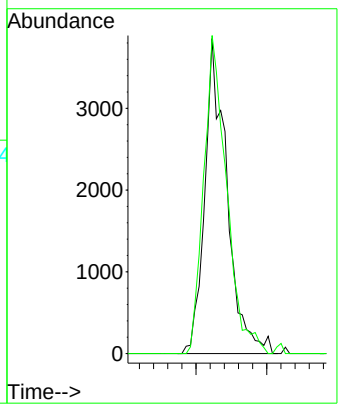
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

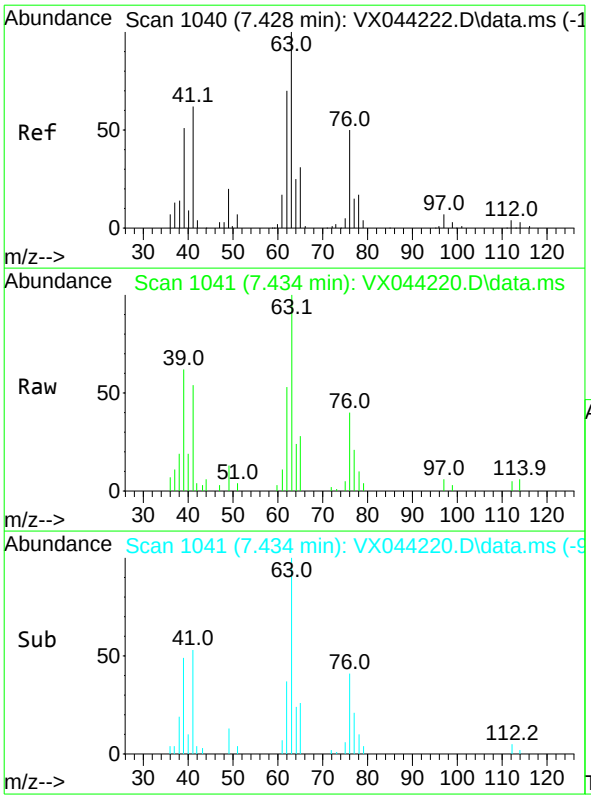



#44
Trichloroethene
Concen: 4.790 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:130 Resp: 8405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.9 | 0.0 | 201.4 |

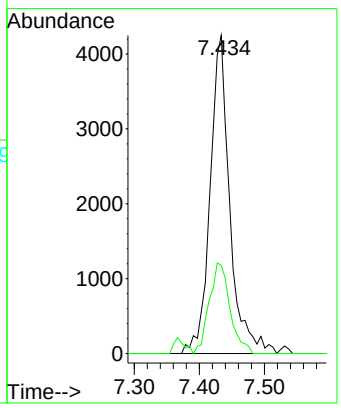





#45
1,2-Dichloropropane
Concen: 4.968 ug/l
RT: 7.434 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 8932

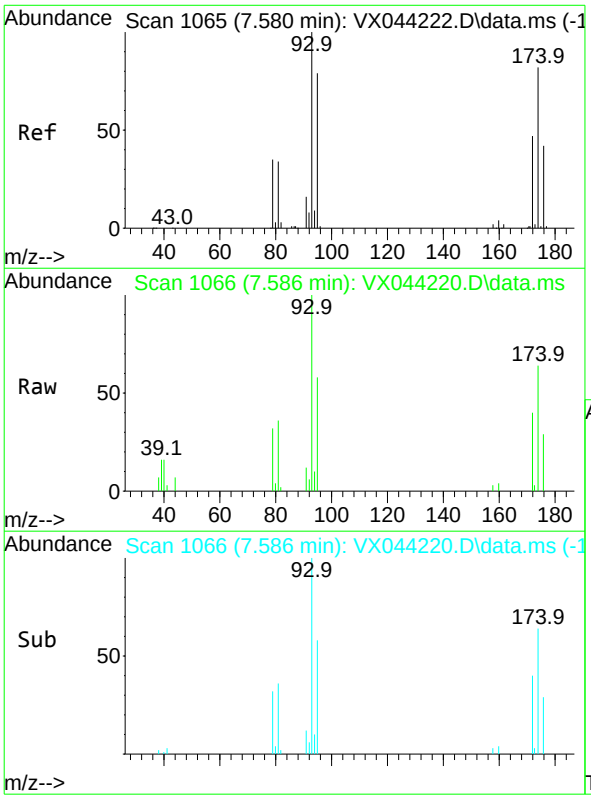
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.8 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

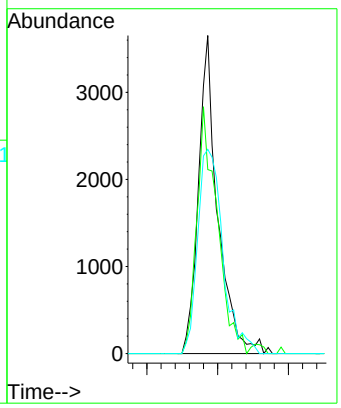
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

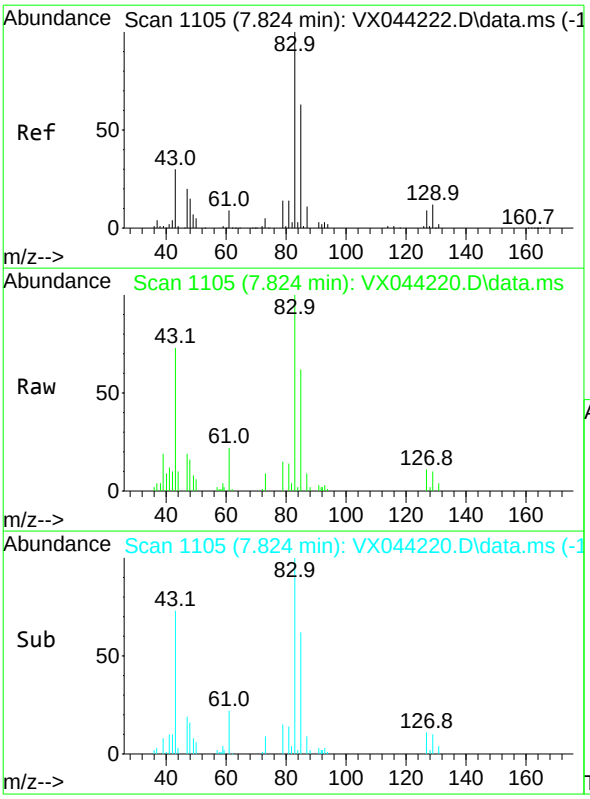



#46
Dibromomethane
Concen: 4.958 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 93 Resp: 6915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.4 | 98.2 |
| 174 | 83.6 | 67.9 | 101.9 |

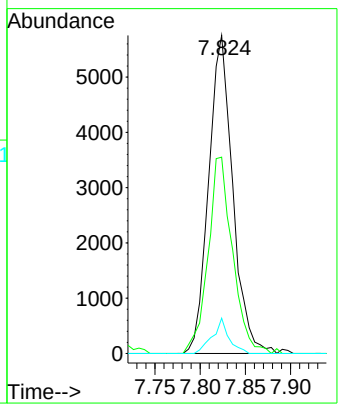





#47
Bromodichloromethane
Concen: 4.420 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 10646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.7 | 50.6 | 75.8 |
| 127 | 11.1 | 7.3 | 10.9# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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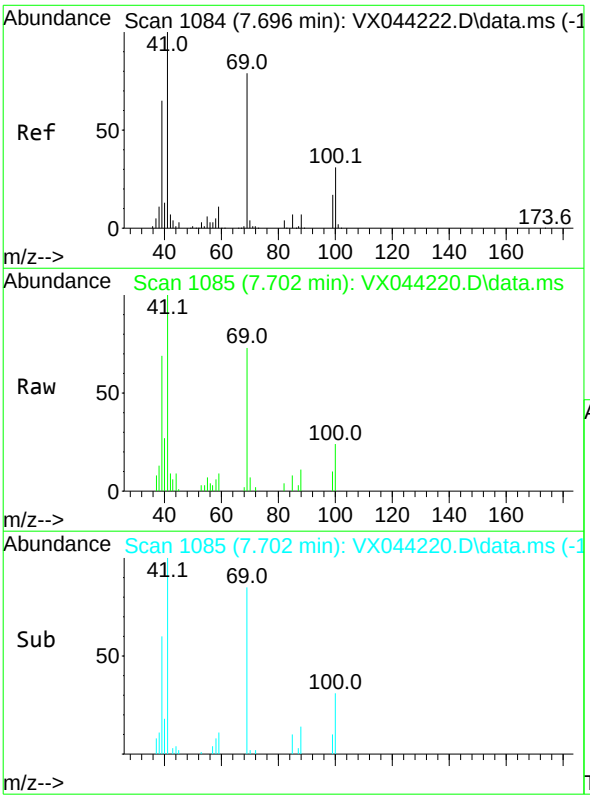
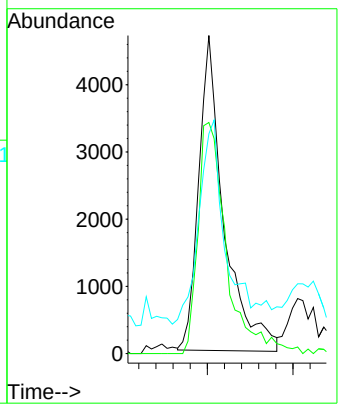
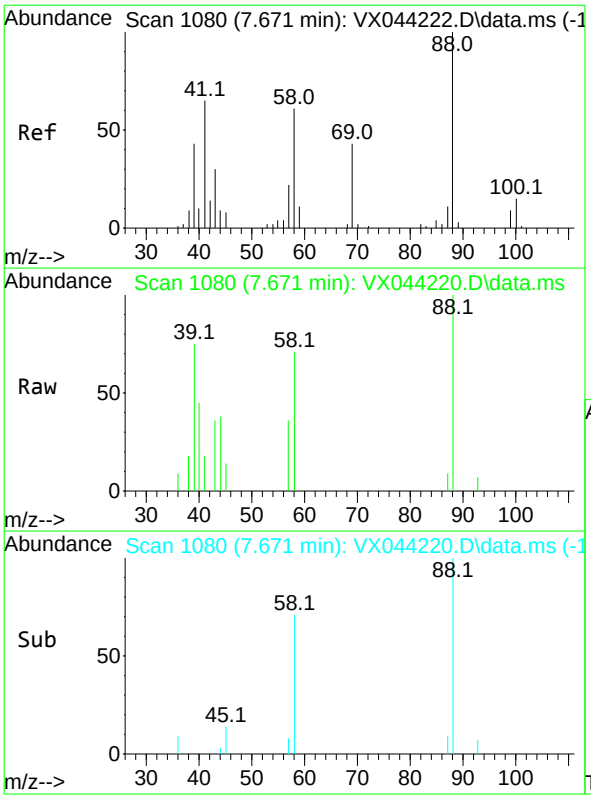



#48
Methyl methacrylate
Concen: 4.410 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 9586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.8 | 62.4 | 93.6 |
| 39 | 66.7 | 53.3 | 79.9 |

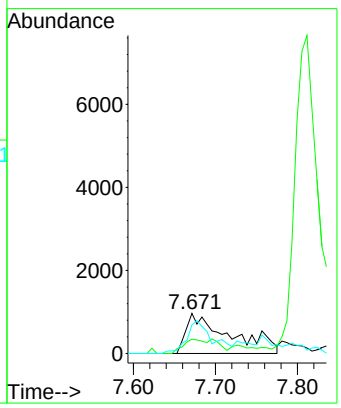





#49
1,4-Dioxane
Concen: 95.429 ug/l m
RT: 7.671 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 88 Resp: 3545

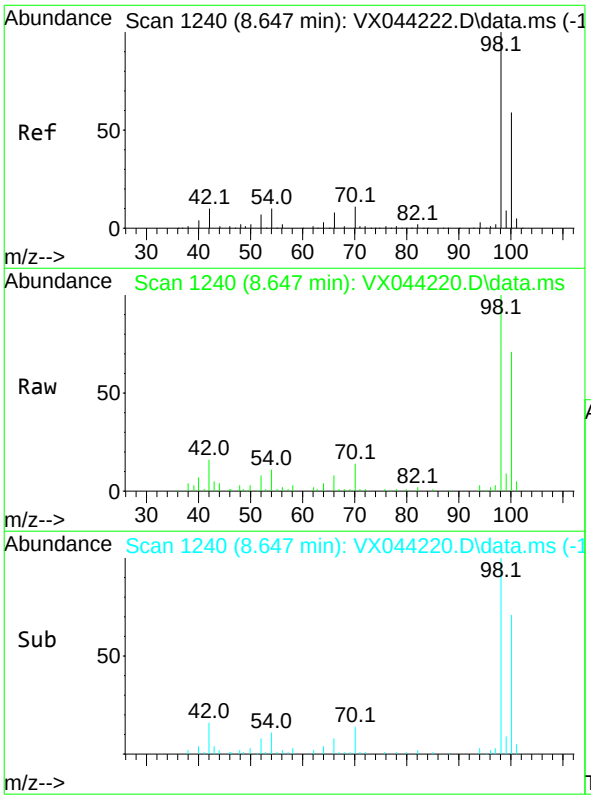
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 18.3 | 27.1 | 40.7# |
| 58 | 48.3 | 41.0 | 61.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

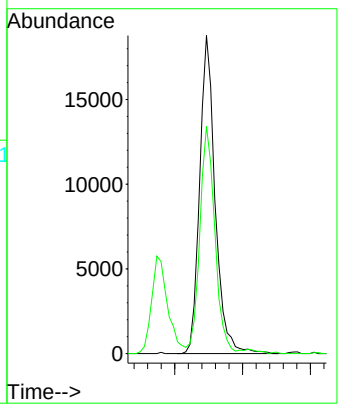
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

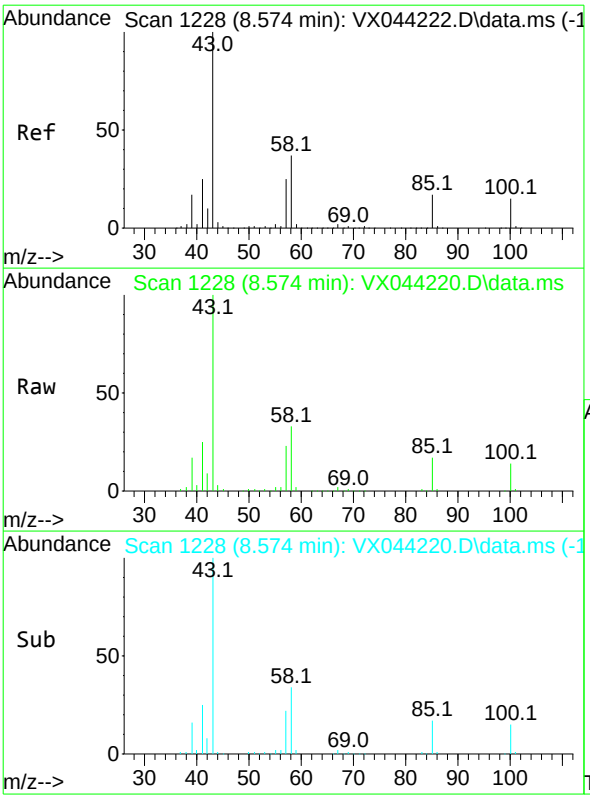



#50
Toluene-d8
Concen: 4.915 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 98 Resp: 29732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.4 | 51.5 | 77.3 |






#51
4-Methyl-2-Pentanone
Concen: 24.759 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

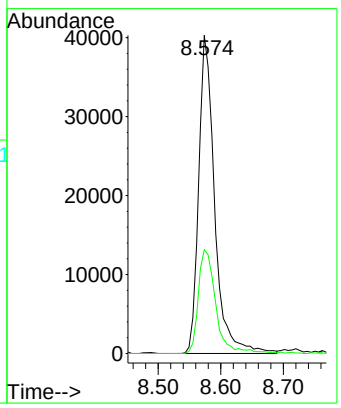
Tgt Ion: 43 Resp: 71285

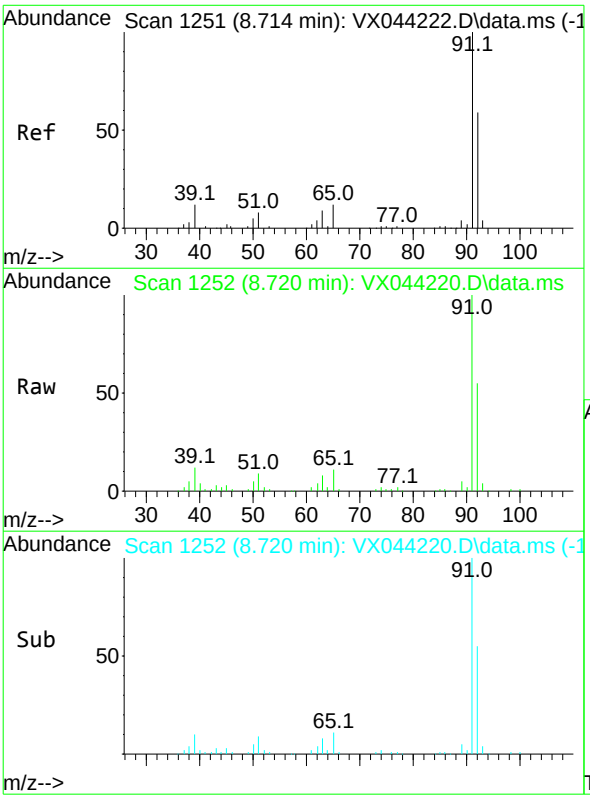
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.7 | 29.4 | 44.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

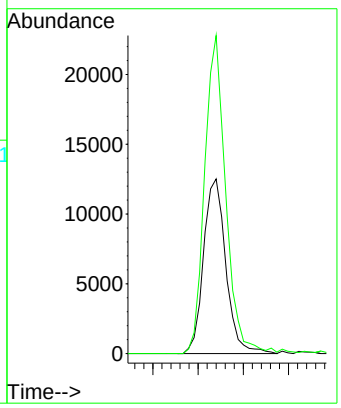


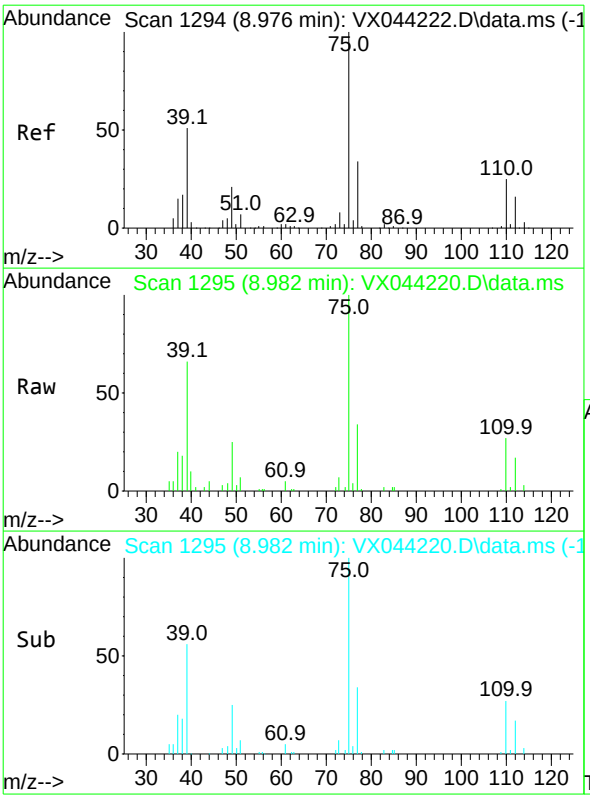




#52
Toluene
Concen: 4.862 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 92 Resp: 21486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.0 | 137.0 | 205.6 |

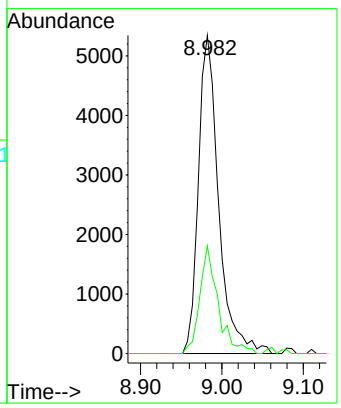





#53
t-1,3-Dichloropropene
Concen: 4.665 ug/l
RT: 8.982 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 9232

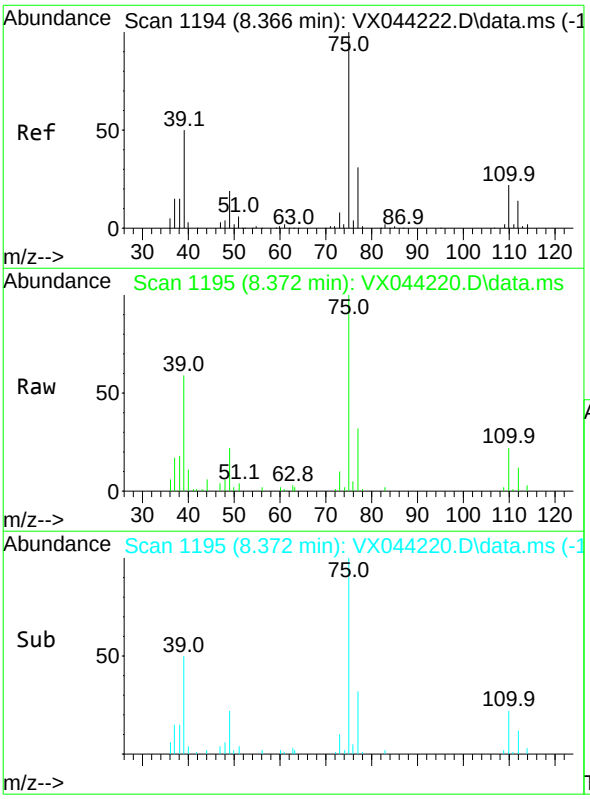
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.8 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

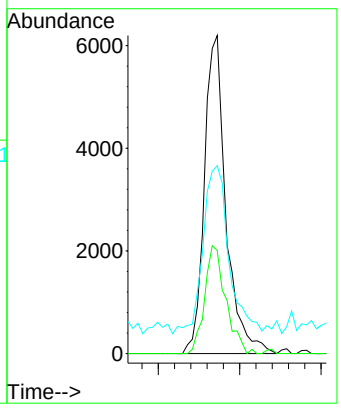
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

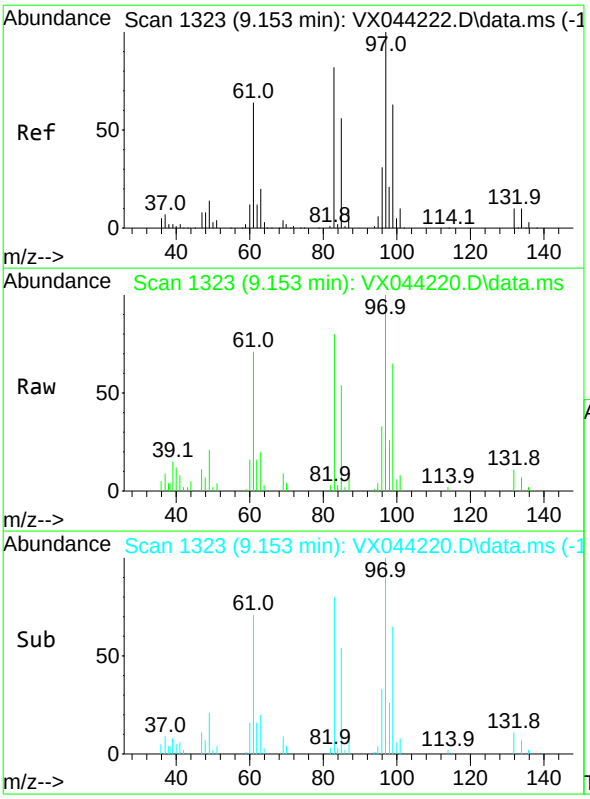



#54
cis-1,3-Dichloropropene
Concen: 4.348 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 11404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 24.7 | 37.1 |
| 39 | 50.5 | 40.3 | 60.5 |

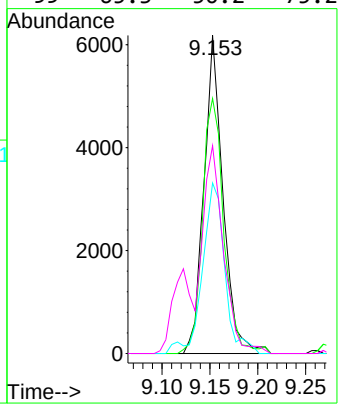





#55
1,1,2-Trichloroethane
Concen: 4.893 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 97 Resp: 8590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.2 | 65.3 | 97.9 |
| 85 | 53.6 | 44.6 | 67.0 |
| 99 | 65.3 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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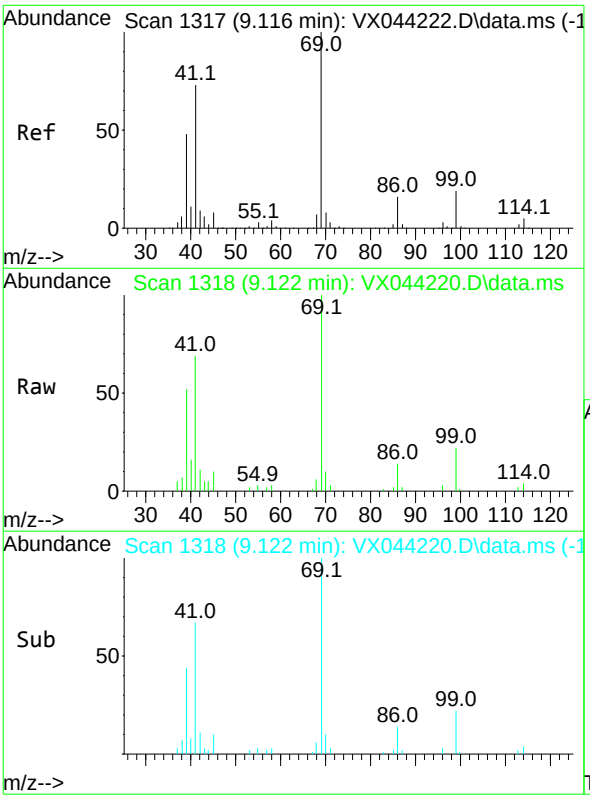
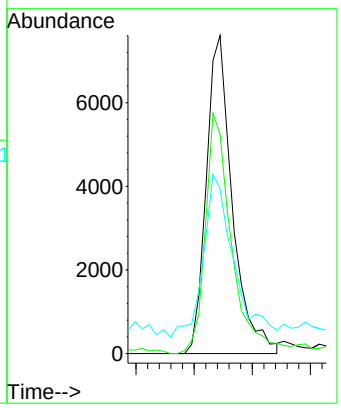
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

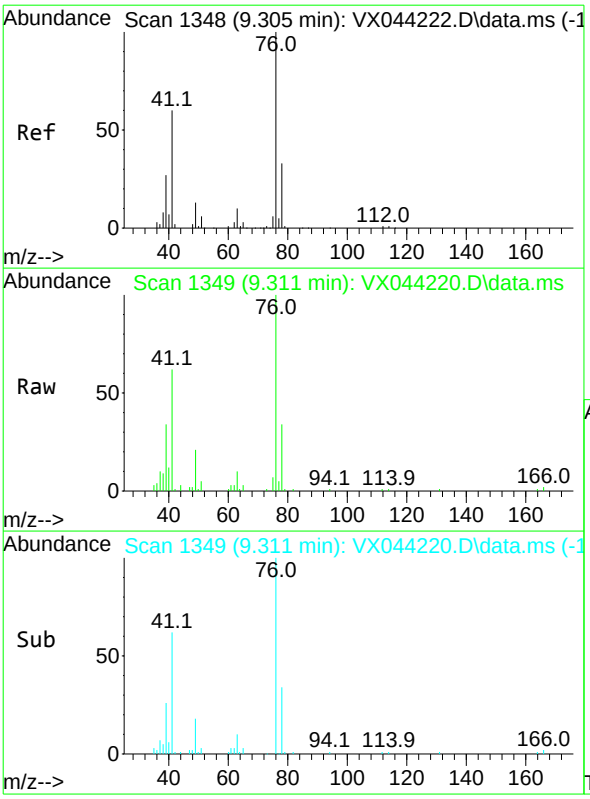



#56
Ethyl methacrylate
Concen: 4.277 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 69 Resp: 11854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 76.0 | 56.6 | 85.0 |
| 39 | 58.7 | 37.4 | 56.0# |

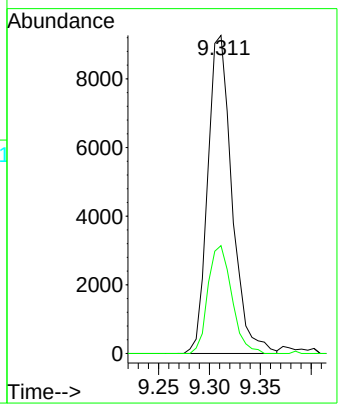





#57
1,3-Dichloropropane
Concen: 5.024 ug/l
RT: 9.311 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 76 Resp: 15352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.3 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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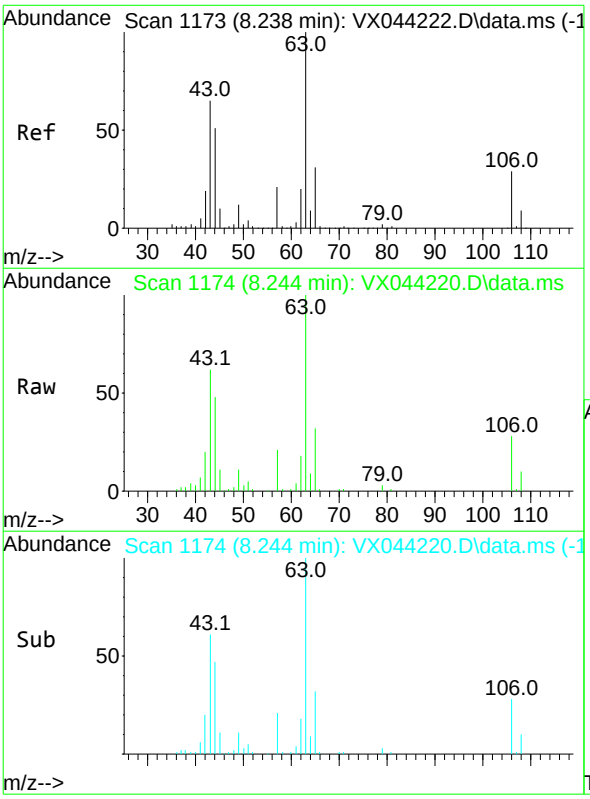
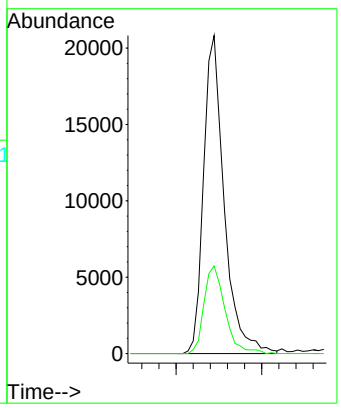
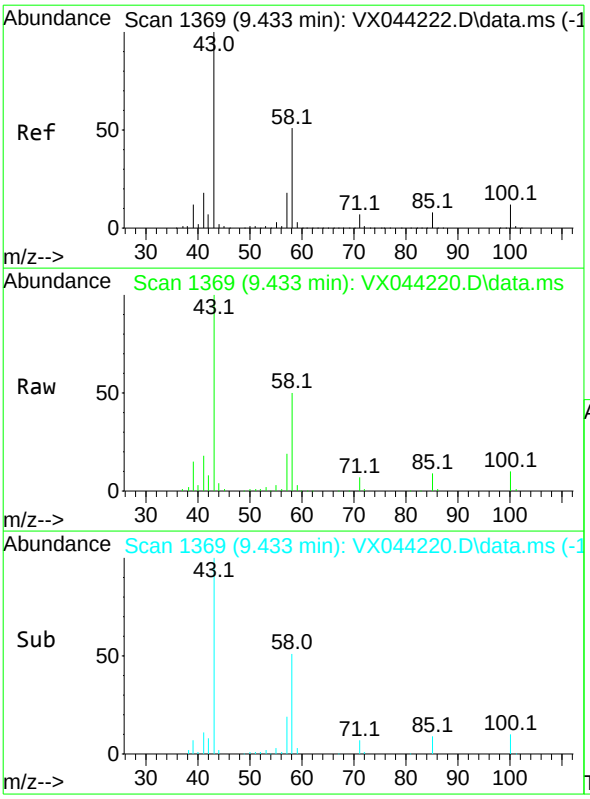



#58
2-Chloroethyl Vinyl ether
Concen: 24.852 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 34738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.1 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 23.994 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

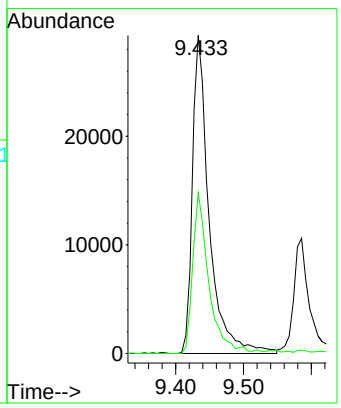
Tgt Ion: 43 Resp: 50003

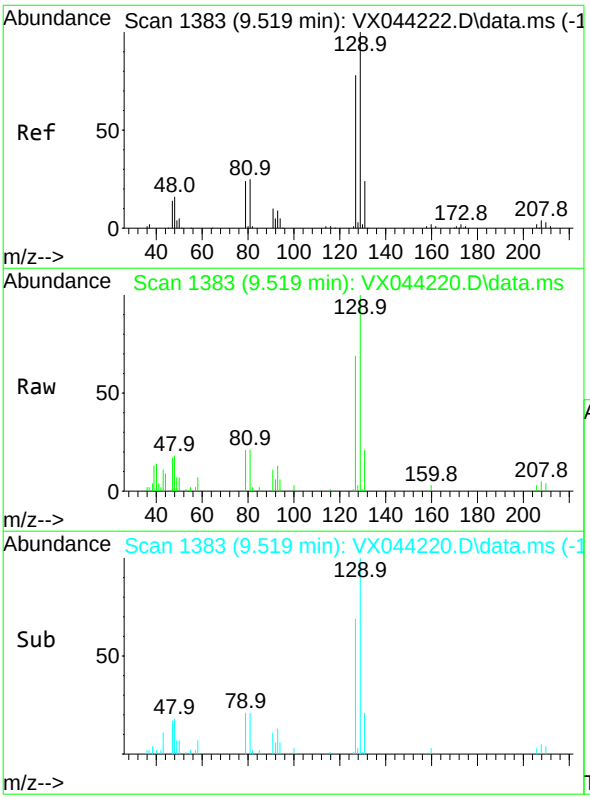
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.6 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

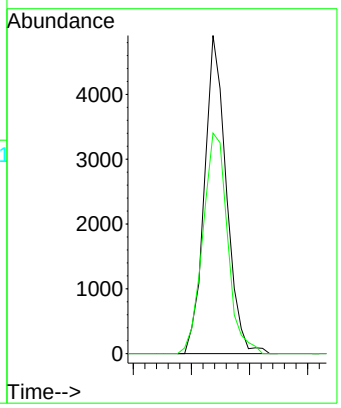


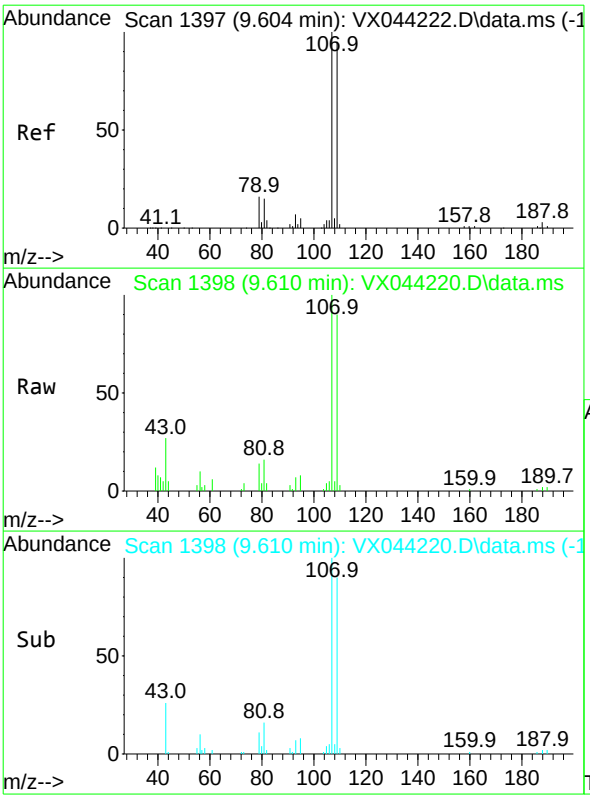




#60
Dibromochloromethane
Concen: 4.738 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:129 Resp: 6411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.3 | 38.5 | 115.3 |

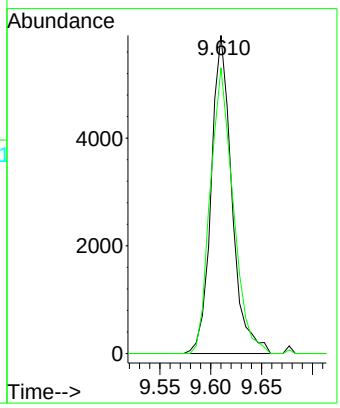





#61
1,2-Dibromoethane
Concen: 4.662 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:107 Resp: 8330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 99.5 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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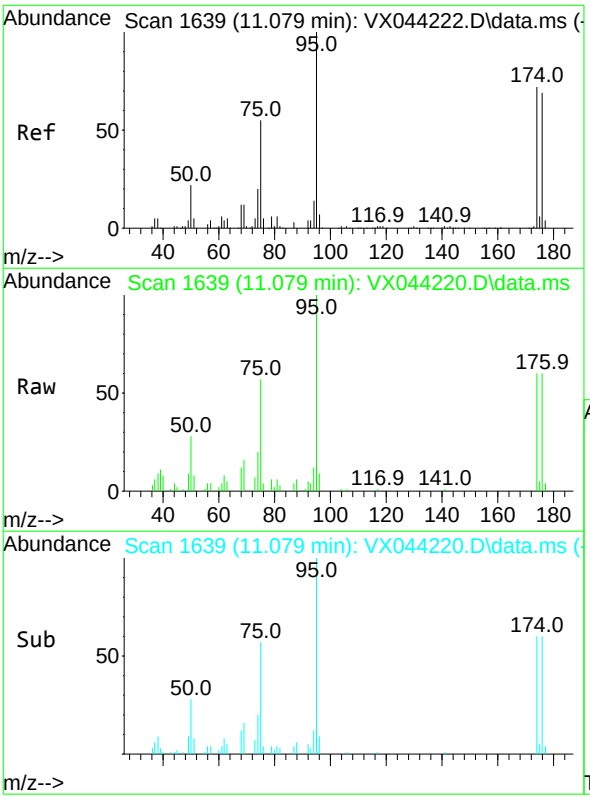
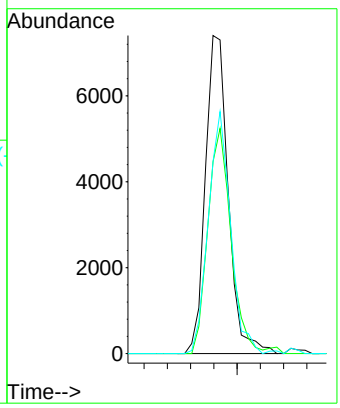
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

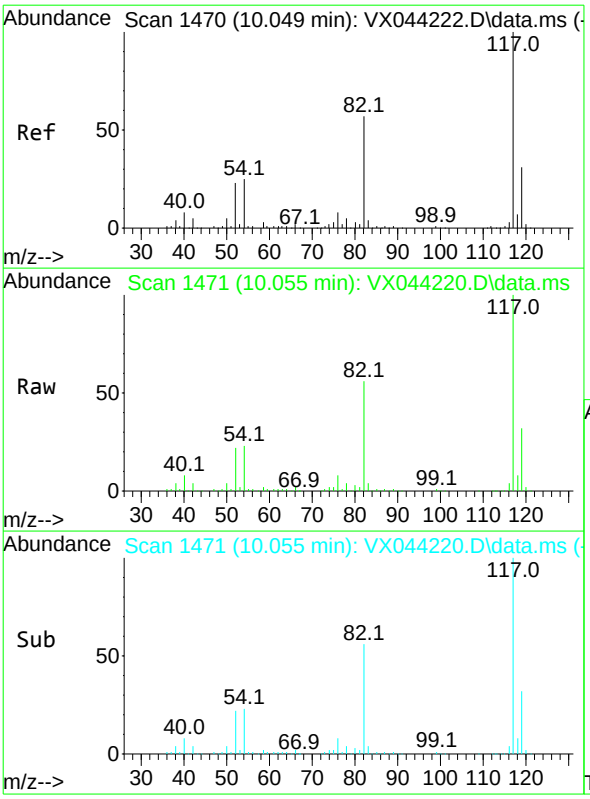



#62
4-Bromofluorobenzene
Concen: 4.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 95 Resp: 10101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.5 | 0.0 | 145.8 |
| 176 | 74.4 | 0.0 | 137.8 |

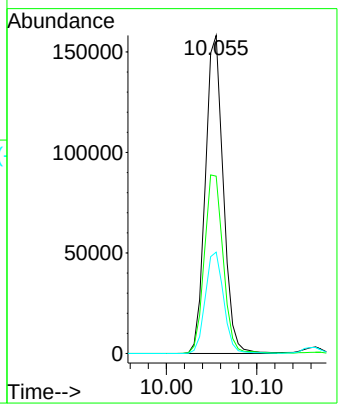





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 217783

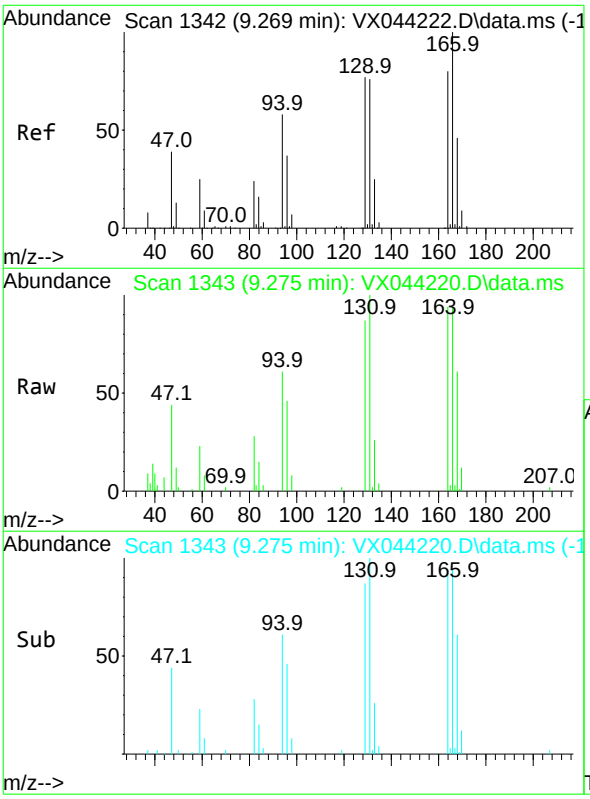
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.8 | 45.8 | 68.8 |
| 119 | 31.9 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

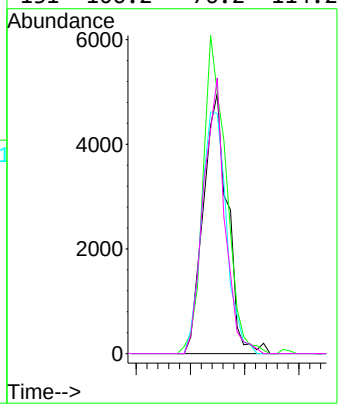
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

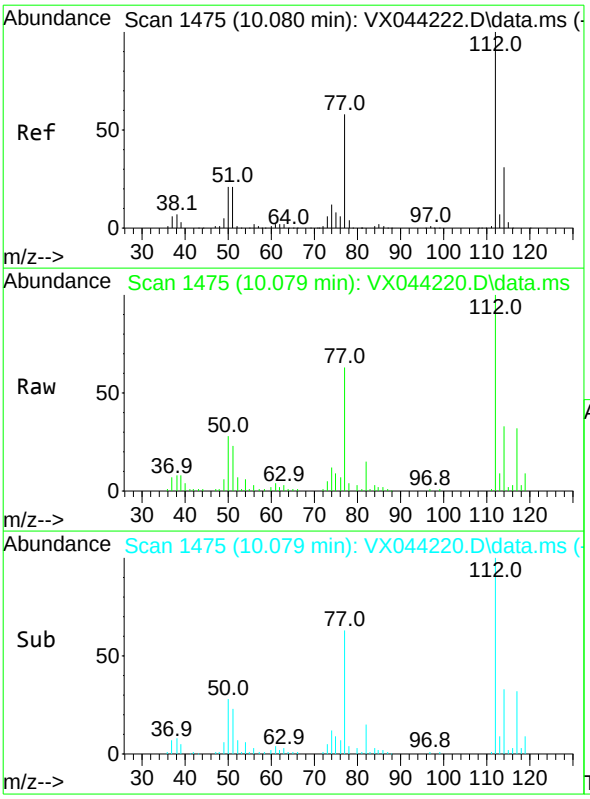



#64
Tetrachloroethene
Concen: 5.334 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:164 Resp: 7710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 100.3 | 100.4 | 150.6# |
| 129 | 92.5 | 77.2 | 115.8 |
| 131 | 106.2 | 76.2 | 114.2 |

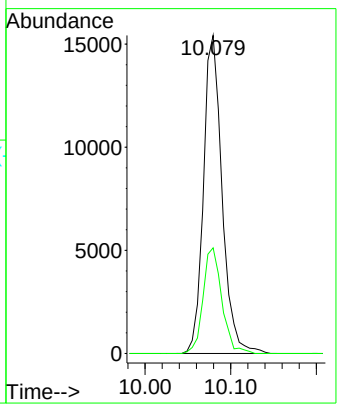





#65
Chlorobenzene
Concen: 4.986 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:112 Resp: 23268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.2 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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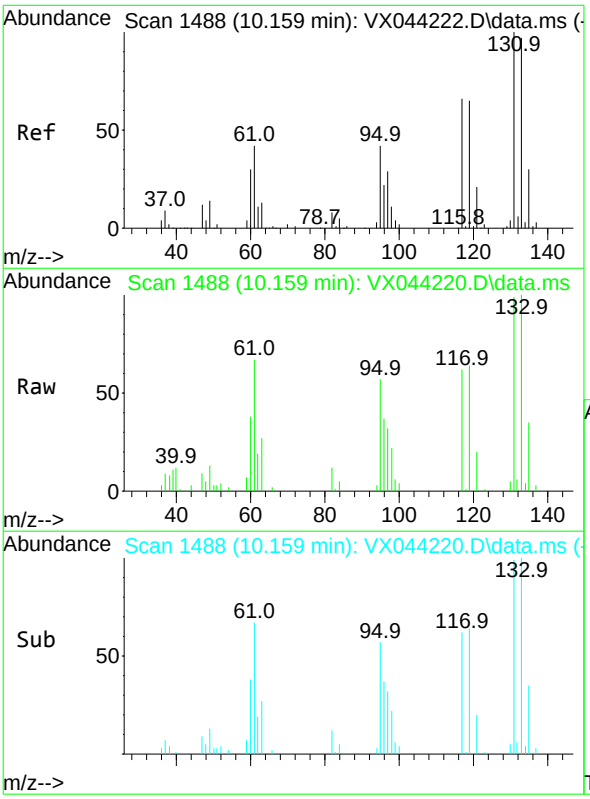
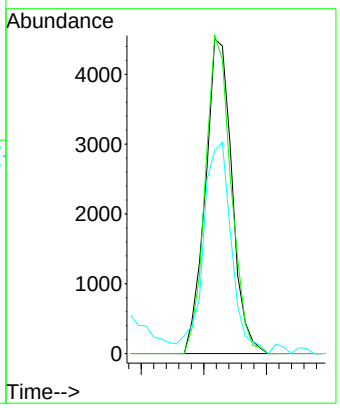
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

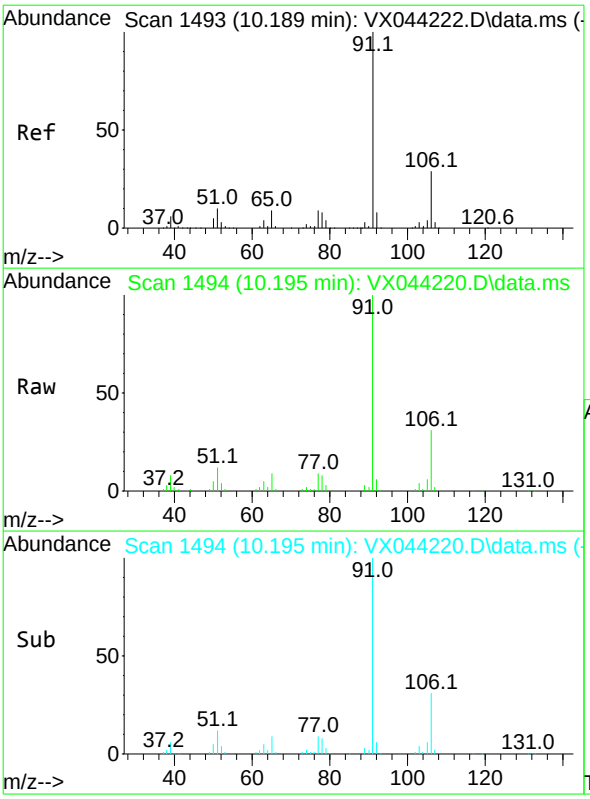



#66
1,1,1,2-Tetrachloroethane
Concen: 4.432 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:131 Resp: 6647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.7 | 47.3 | 141.8 |
| 119 | 70.8 | 31.6 | 95.0 |

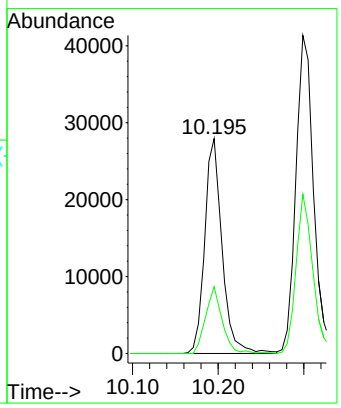





#67
Ethyl Benzene
Concen: 4.877 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 39326

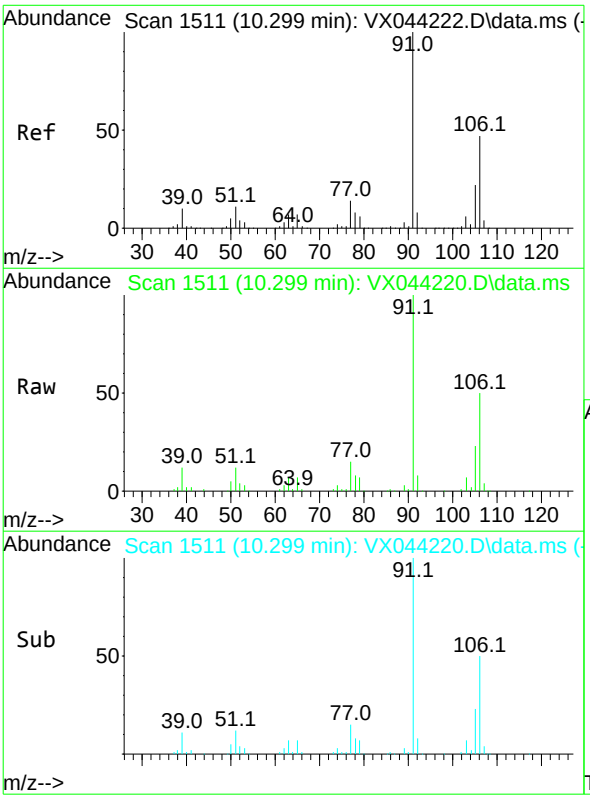
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

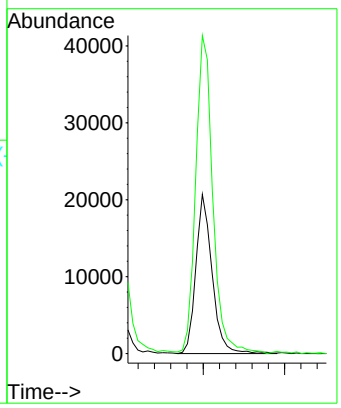
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

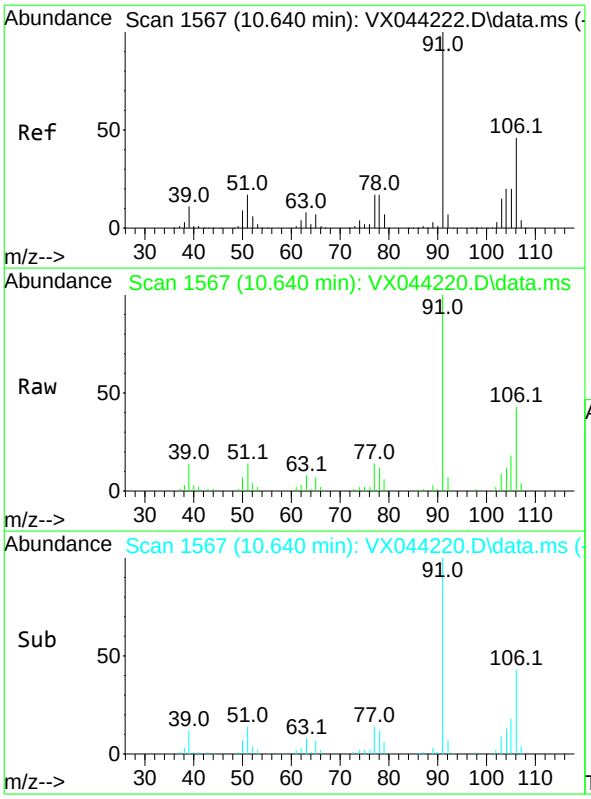



#68
m/p-Xylenes
Concen: 9.720 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:106 Resp: 28758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.2 | 170.2 | 255.2 |

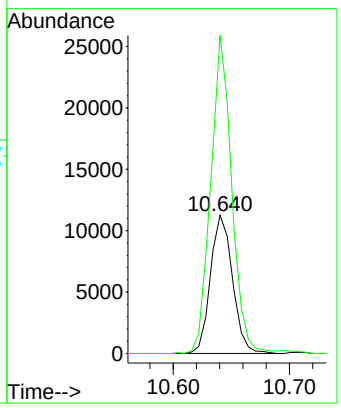





#69
o-Xylene
Concen: 4.965 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:106 Resp: 14864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.3 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

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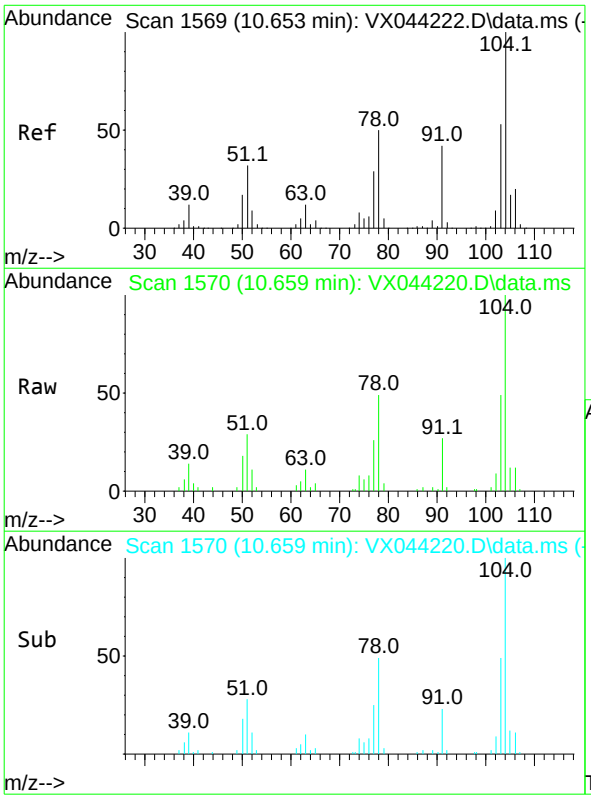
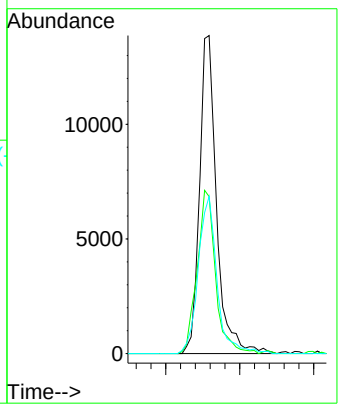
Supervised By :Mahesh Dadoda 12/12/2024

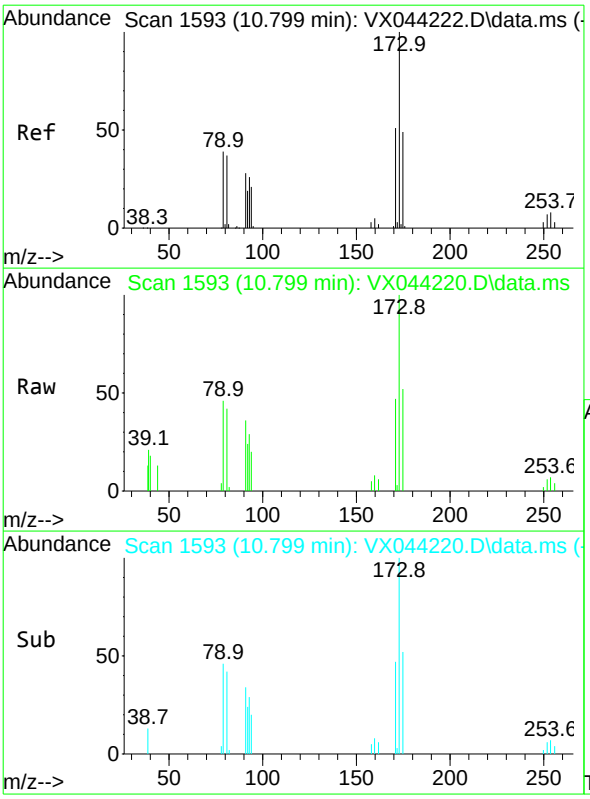



#70
Styrene
Concen: 4.624 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:104 Resp: 22191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 55.5 | 44.6 | 67.0 |
| 103 | 54.6 | 45.4 | 68.0 |

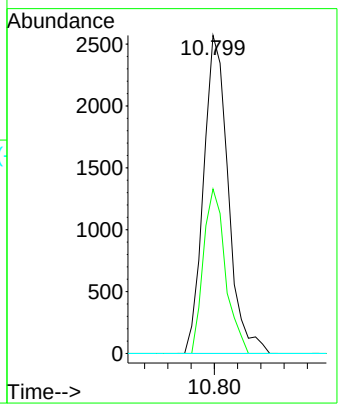





#71
Bromoform
Concen: 5.118 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:173 Resp: 3775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.3 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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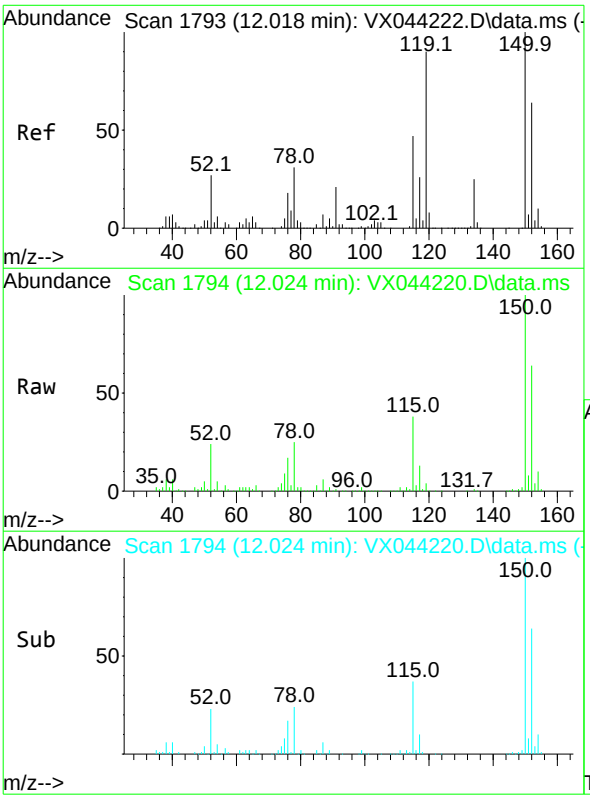
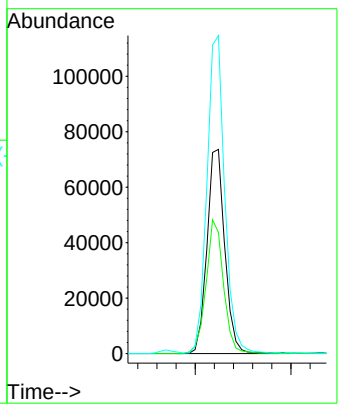
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

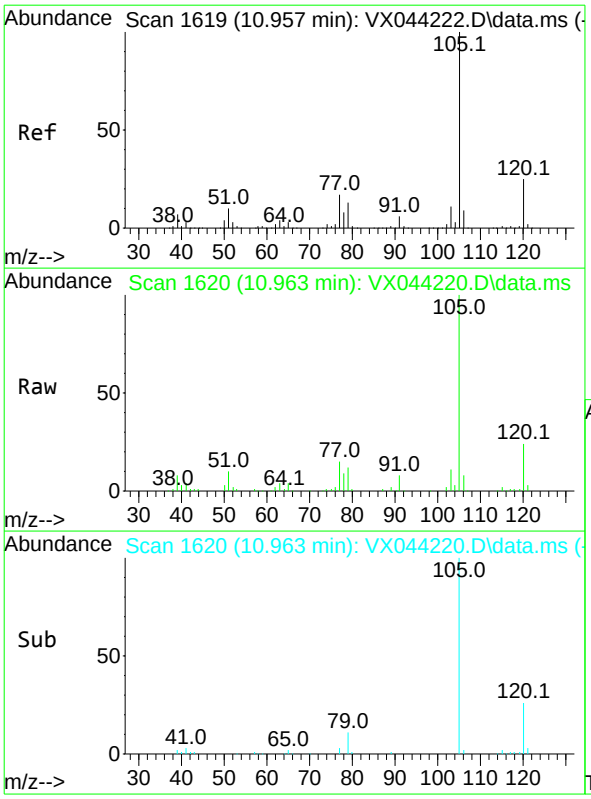



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:152 Resp: 95175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 64.2 | 44.5 | 133.3 |
| 150 | 154.3 | 0.0 | 353.8 |

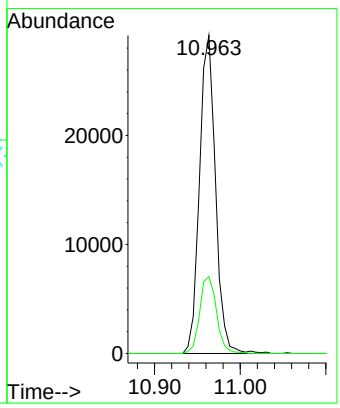





#73
Isopropylbenzene
Concen: 5.194 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 37843

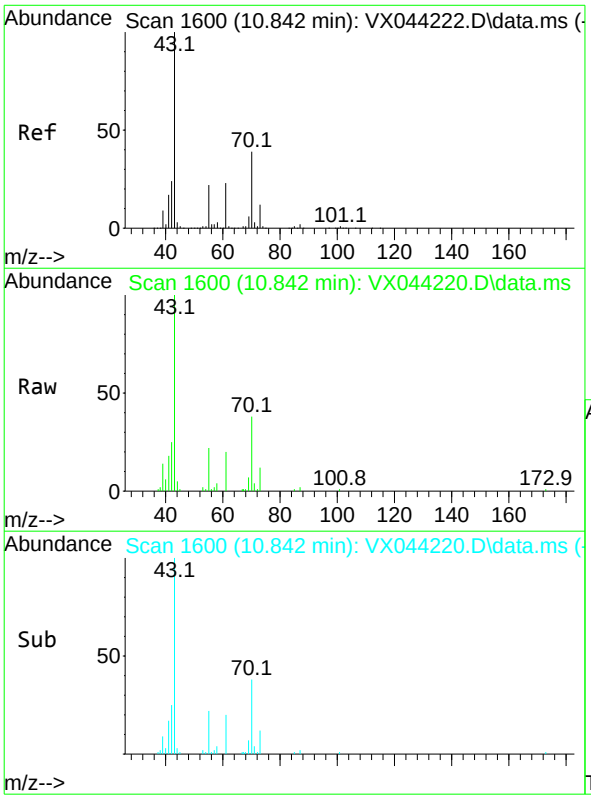
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.4 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

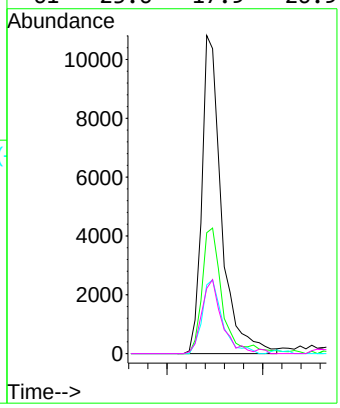
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

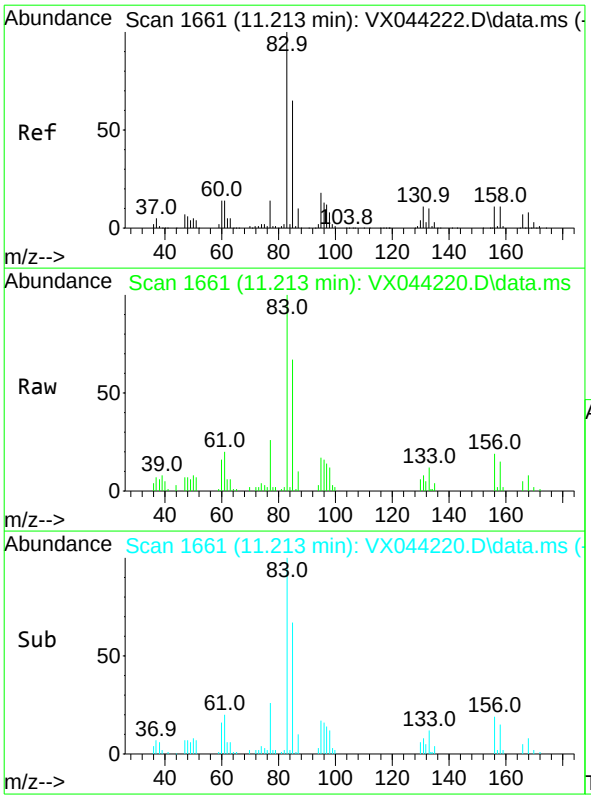



#74
N-amyl acetate
Concen: 4.579 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 15418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.2 | 31.9 | 47.9 |
| 55 | 23.7 | 17.9 | 26.9 |
| 61 | 23.6 | 17.9 | 26.9 |

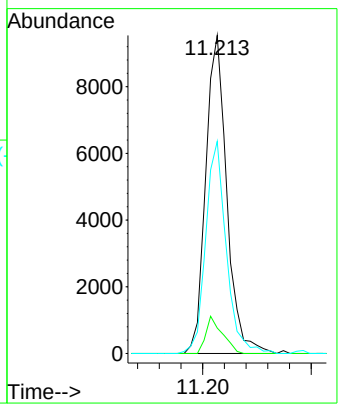





#75
1,1,2,2-Tetrachloroethane
Concen: 5.077 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 12848

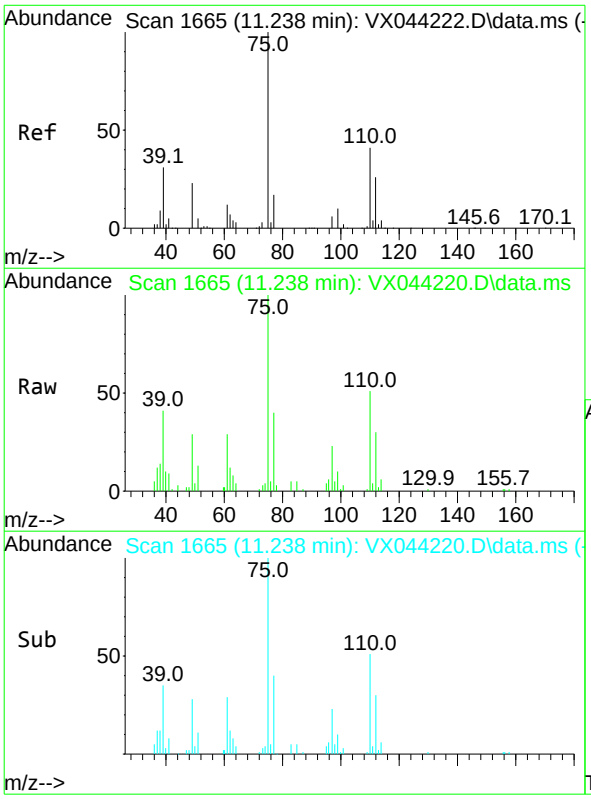
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.1 | 5.1 | 15.4 |
| 85 | 65.3 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

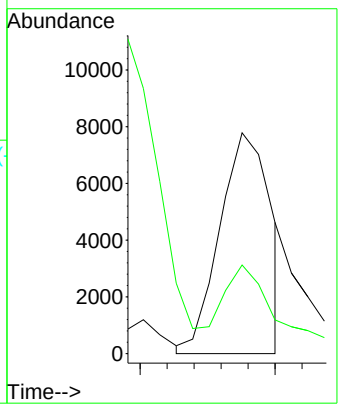
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

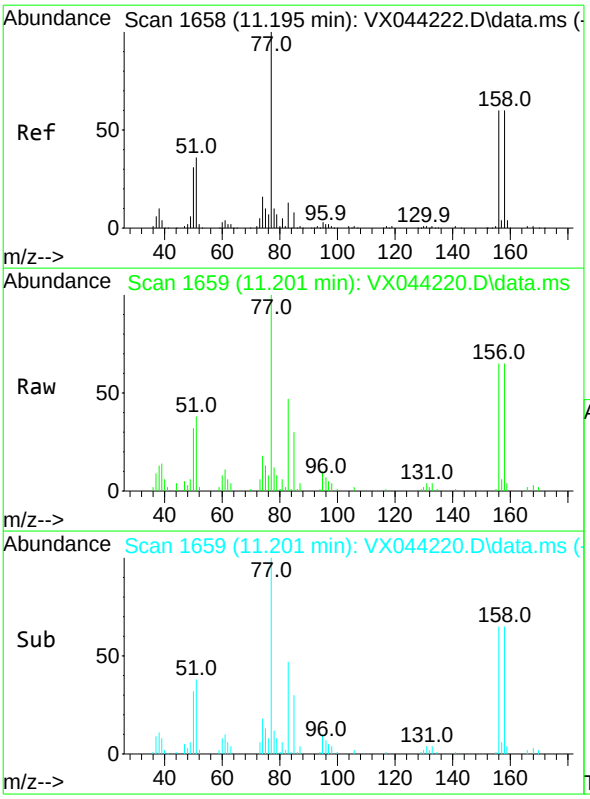



#76
1,2,3-Trichloropropane
Concen: 4.740 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 10236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.4 | 20.9 | 62.7 |

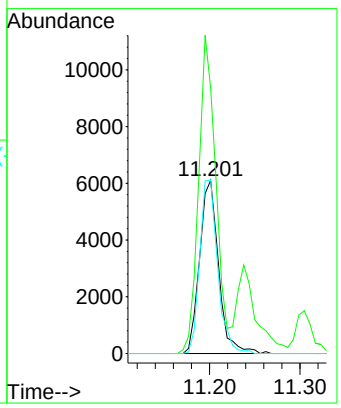





#77
Bromobenzene
Concen: 5.033 ug/l
RT: 11.201 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:156 Resp: 8892

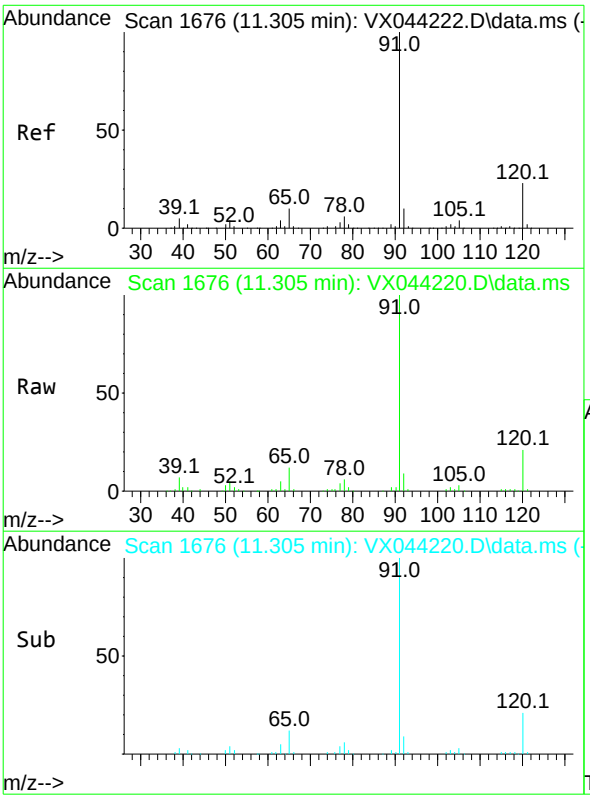
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.4 | 82.6 | 247.8 |
| 158 | 94.7 | 48.8 | 146.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

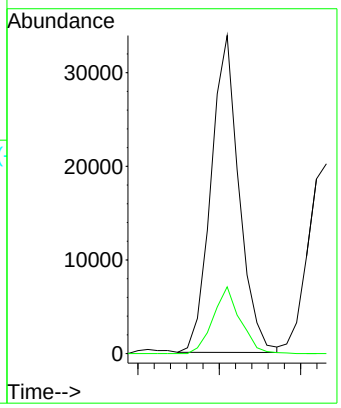
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

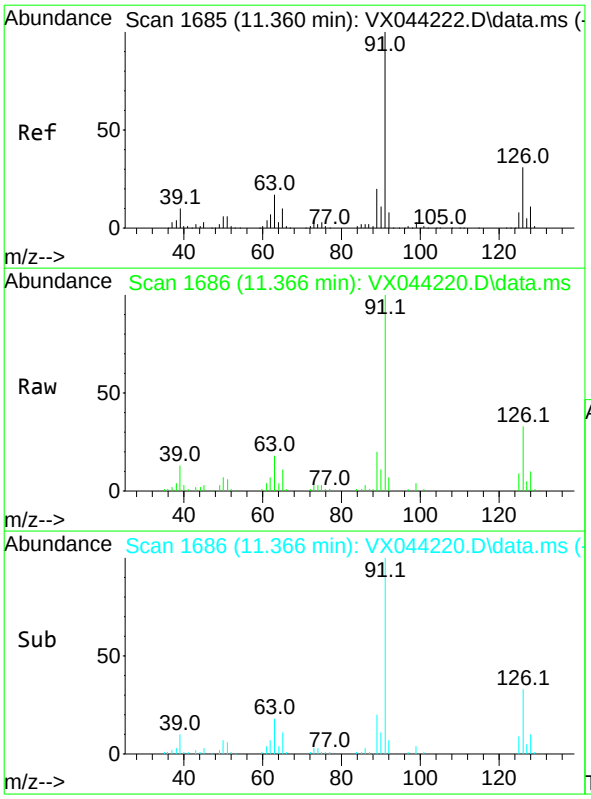



#78
n-propylbenzene
Concen: 5.038 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 40574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 20.3 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 5.203 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

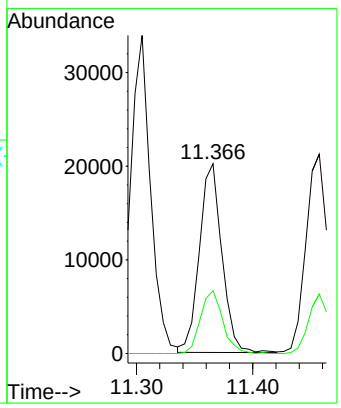
Tgt Ion: 91 Resp: 27096

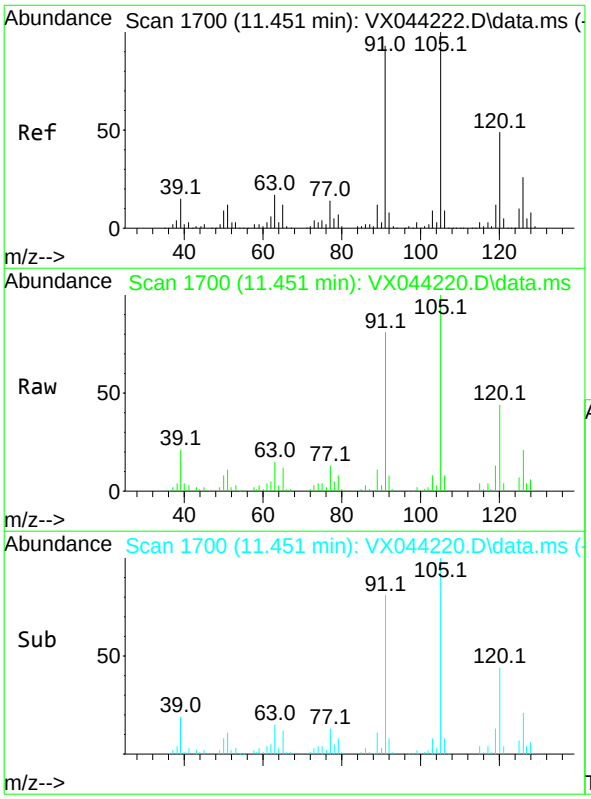
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

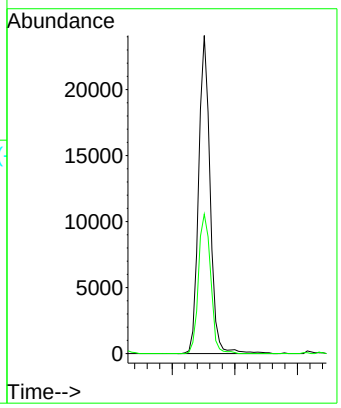


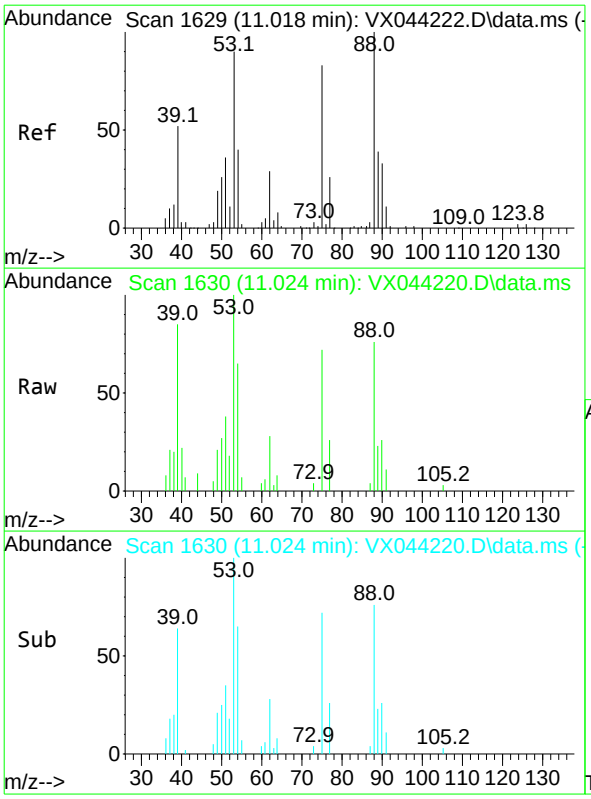




#80
1,3,5-Trimethylbenzene
Concen: 5.075 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 30665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.6 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 8.273 ug/l
RT: 11.024 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 2249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 168.9 | 93.6 | 140.4# |
| 89 | 55.5 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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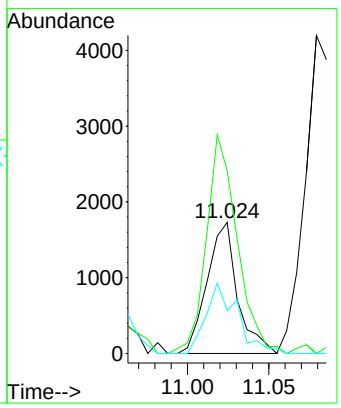
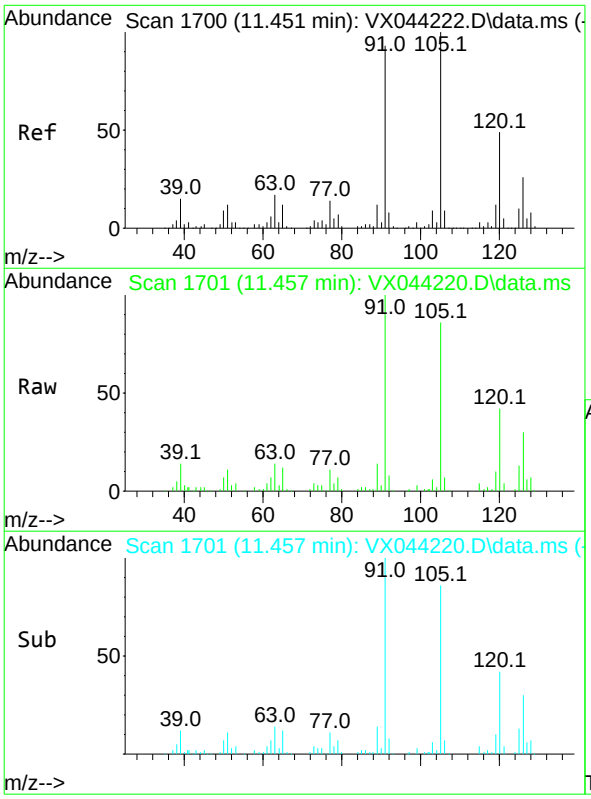
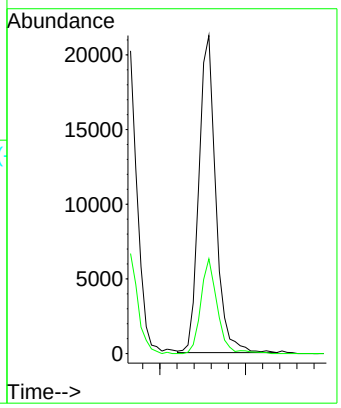


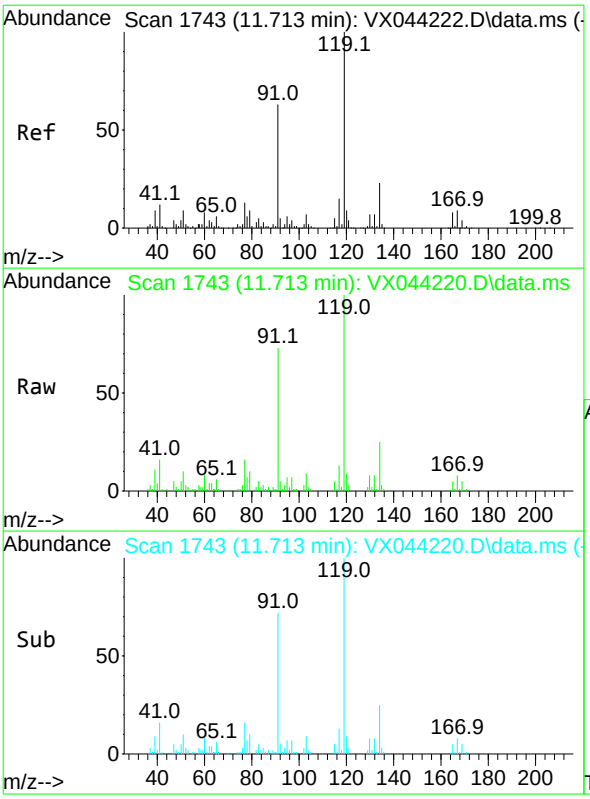




#82
4-Chlorotoluene
Concen: 5.035 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 29039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.5 | 43.5 |

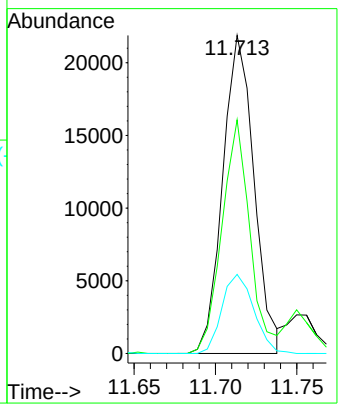





#83
tert-Butylbenzene
Concen: 4.904 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:119 Resp: 29283

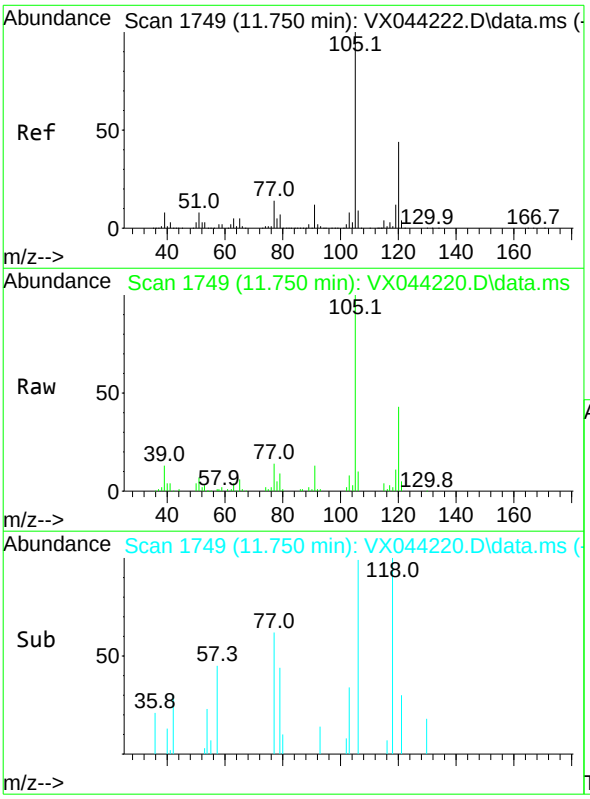
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.9 | 30.9 | 92.5 |
| 134 | 25.3 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

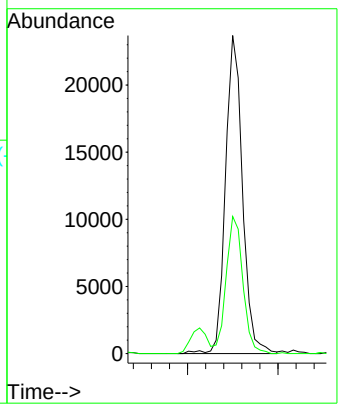
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

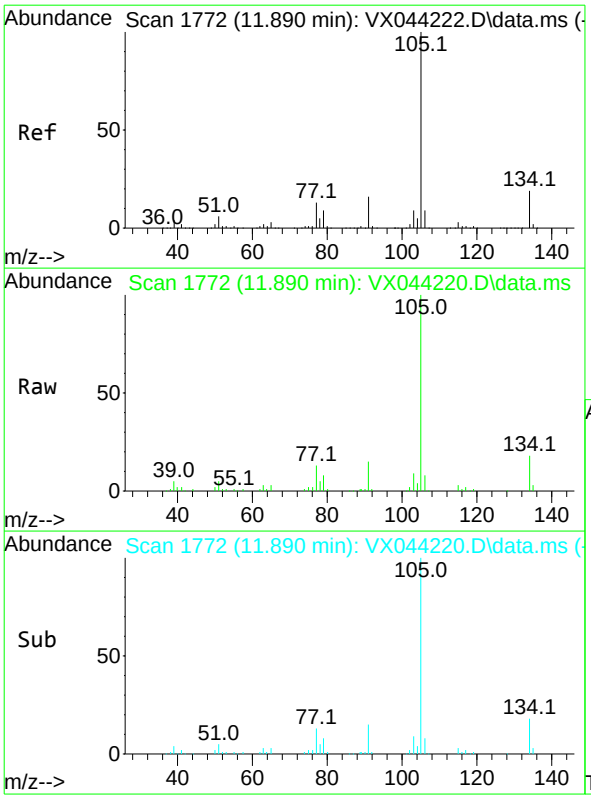



#84
1,2,4-Trimethylbenzene
Concen: 5.219 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 30970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.6 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 4.921 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

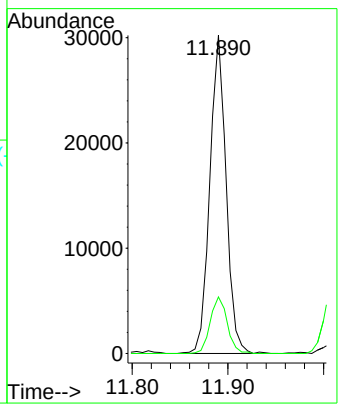
Tgt Ion:105 Resp: 35670

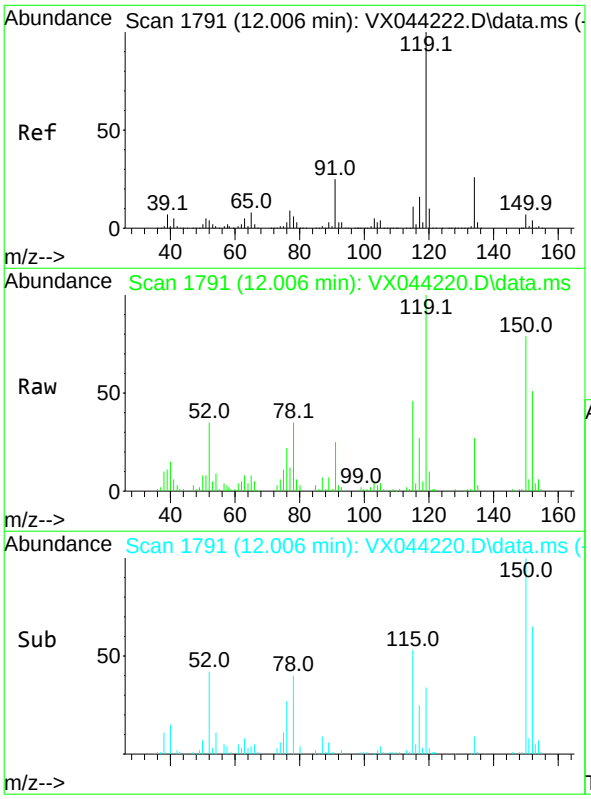
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.6 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

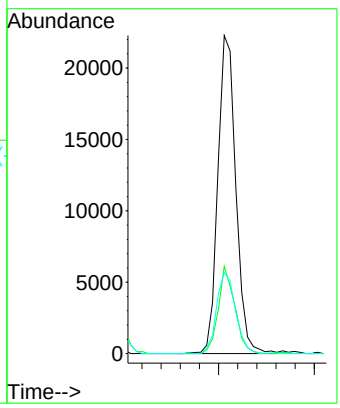


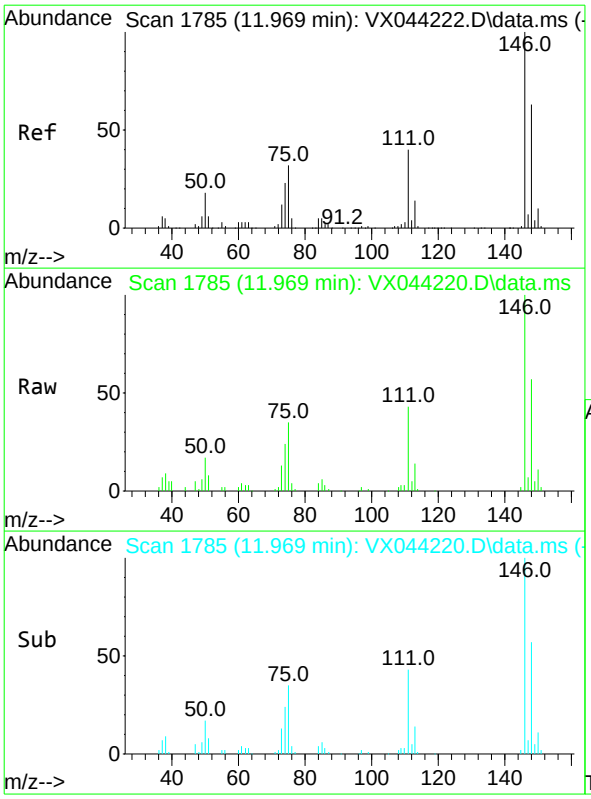




#86
p-Isopropyltoluene
Concen: 4.828 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:119 Resp: 29132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 12.8 | 38.4 |
| 91 | 26.9 | 13.0 | 39.0 |

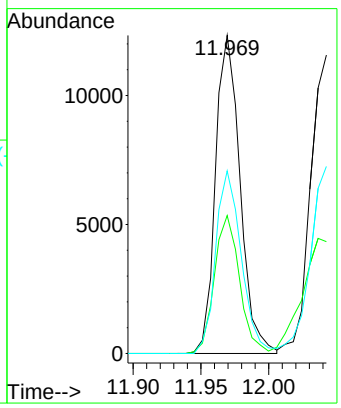





#87
1,3-Dichlorobenzene
Concen: 5.039 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:146 Resp: 15553

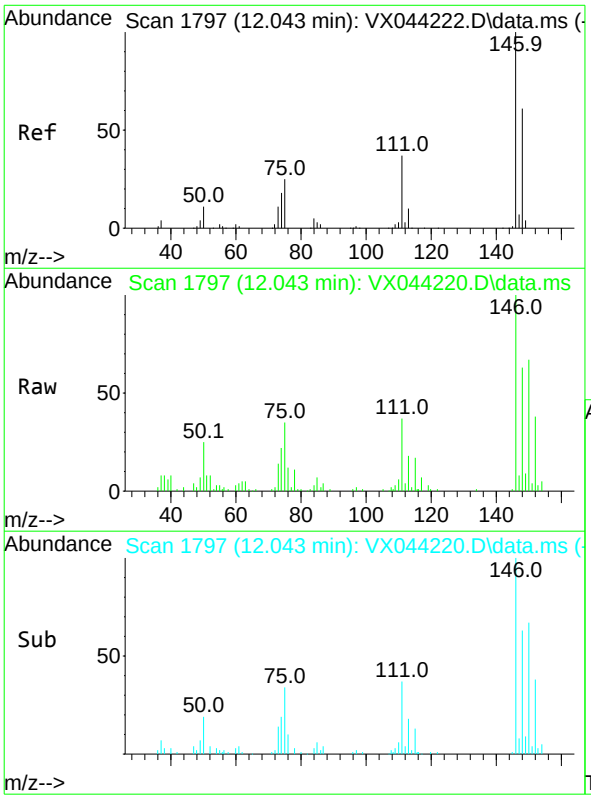
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 21.4 | 64.2 |
| 148 | 60.1 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

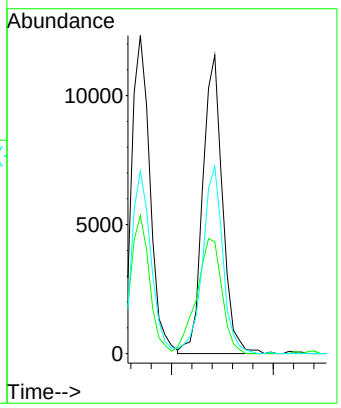
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

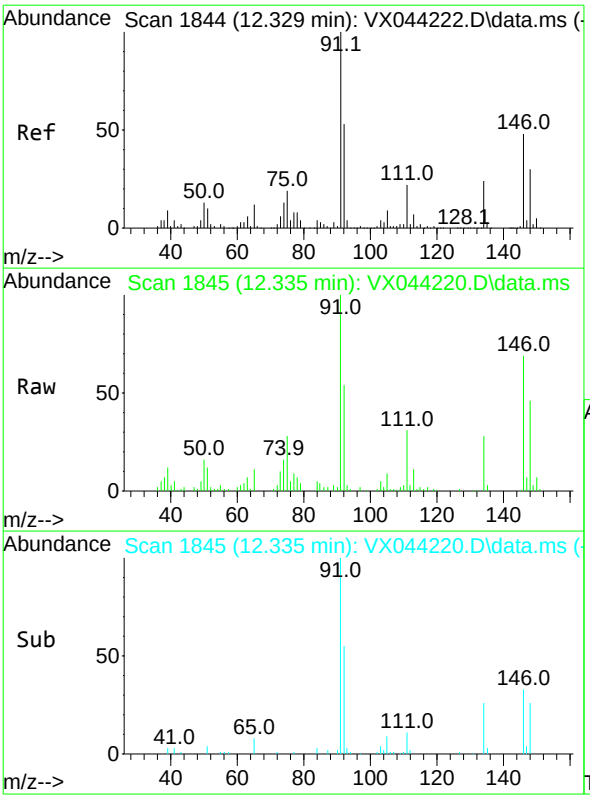



#88
1,4-Dichlorobenzene
Concen: 4.920 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:146 Resp: 15609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.5 | 21.0 | 63.0 |
| 148 | 64.1 | 32.3 | 96.8 |

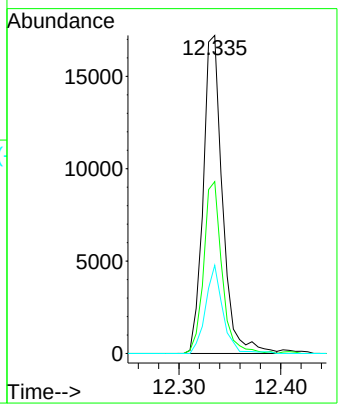





#89
n-Butylbenzene
Concen: 4.478 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 22719

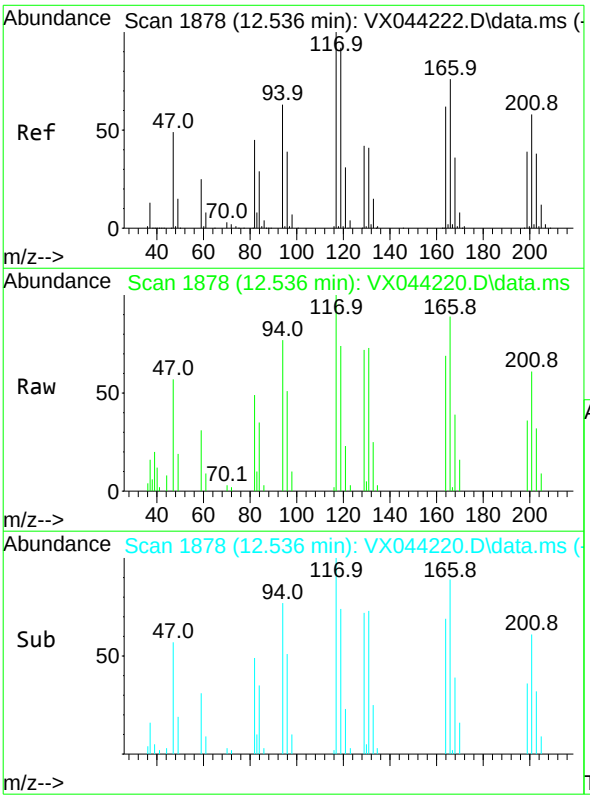
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.1 | 26.6 | 79.7 |
| 134 | 24.9 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

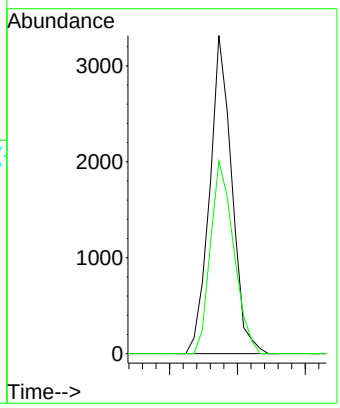
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

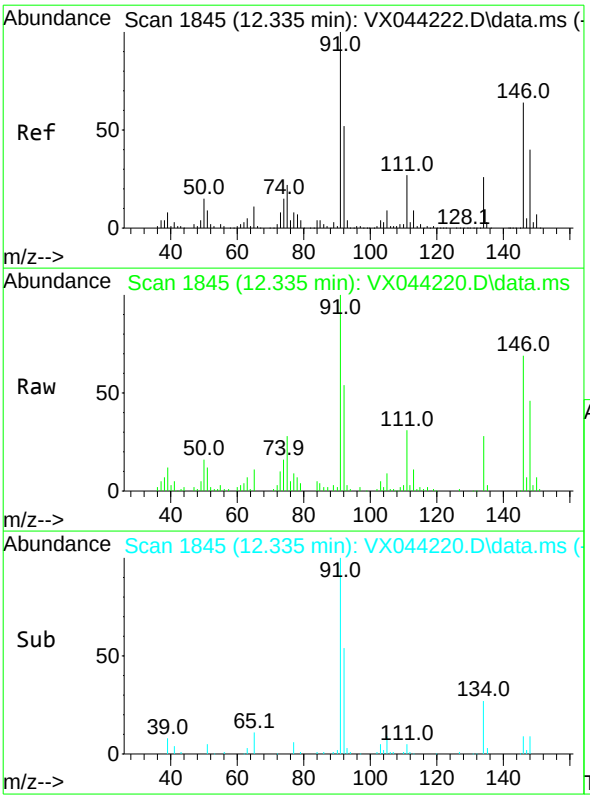



#90
Hexachloroethane
Concen: 4.275 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 3765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.5 | 31.4 | 94.2 |

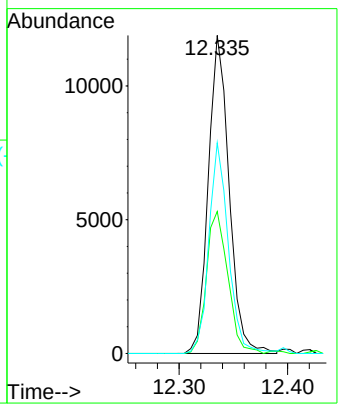





#91
1,2-Dichlorobenzene
Concen: 4.949 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:146 Resp: 15858

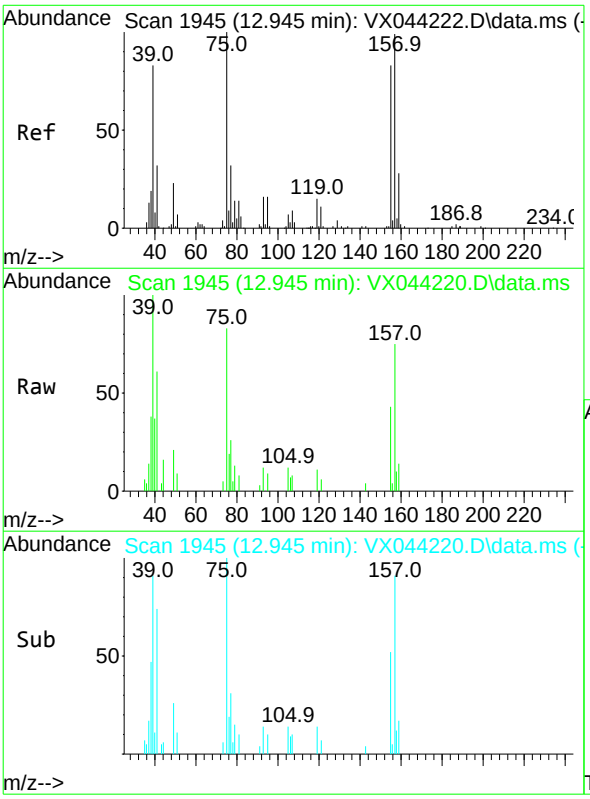
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.8 | 21.4 | 64.3 |
| 148 | 62.1 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

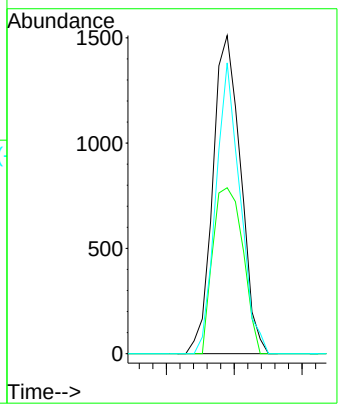
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

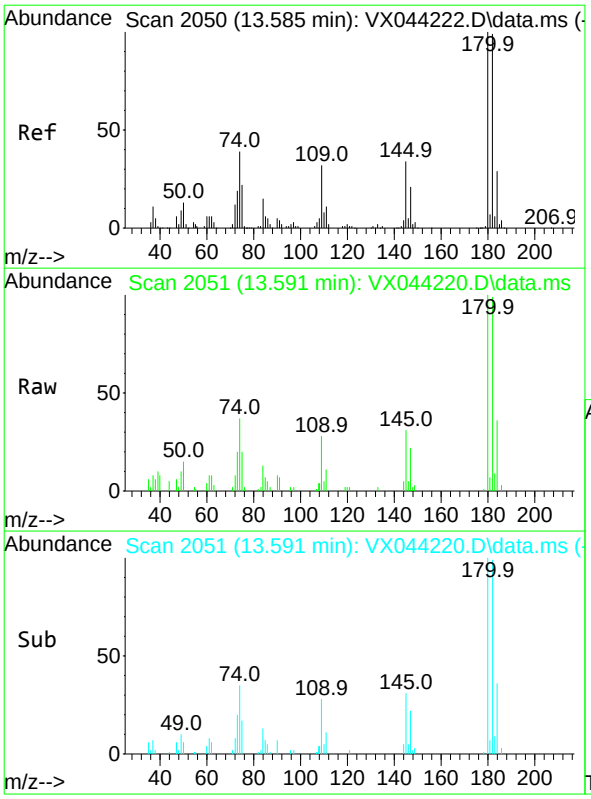



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.385 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 2154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 56.5 | 38.1 | 114.3 |
| 157 | 79.4 | 47.2 | 141.6 |

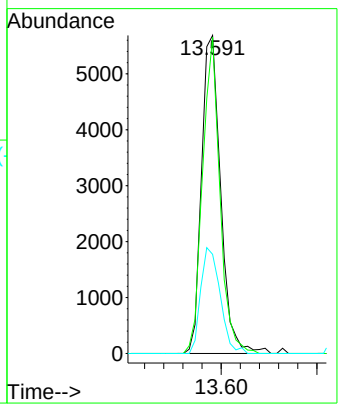





#93
1,2,4-Trichlorobenzene
Concen: 4.478 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:180 Resp: 7867

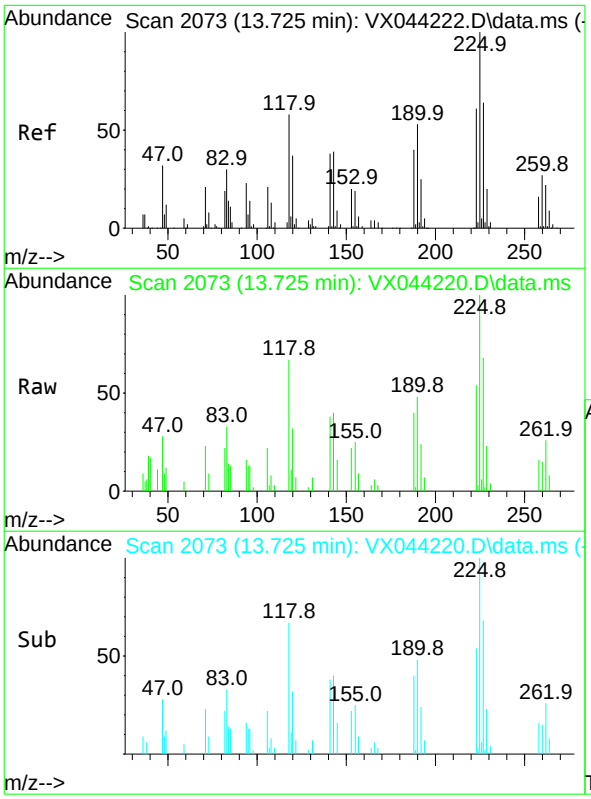
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 90.8 | 48.0 | 144.2 |
| 145 | 33.9 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

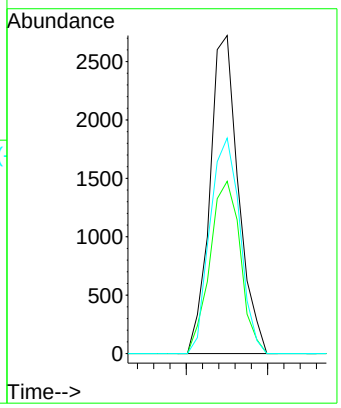
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

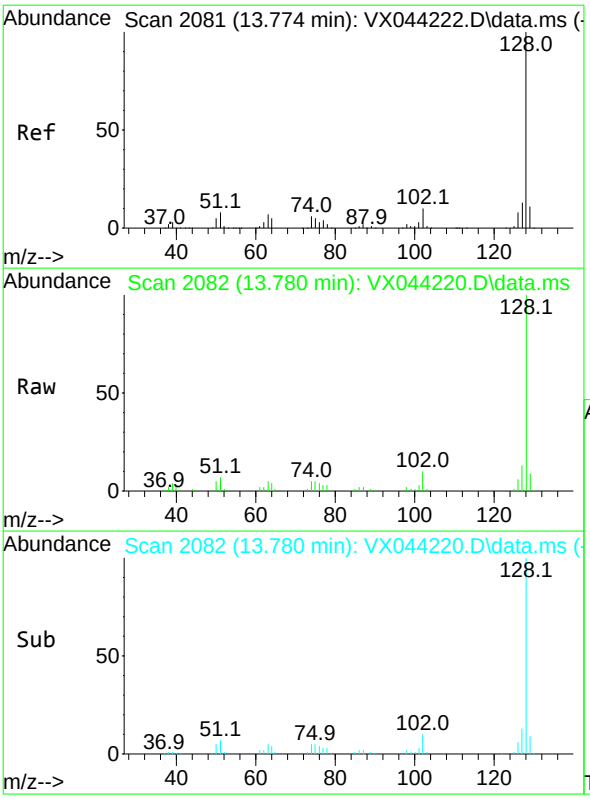



#94
Hexachlorobutadiene
Concen: 4.700 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:225 Resp: 3321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 57.9 | 30.8 | 92.4 |
| 227 | 71.2 | 32.1 | 96.3 |

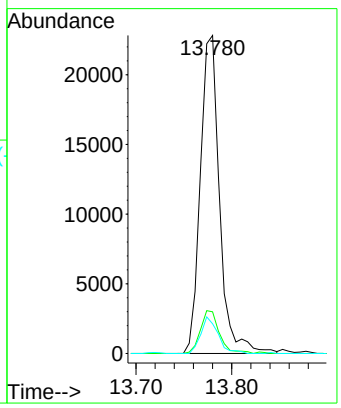





#95
Naphthalene
Concen: 4.643 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:128 Resp: 31842

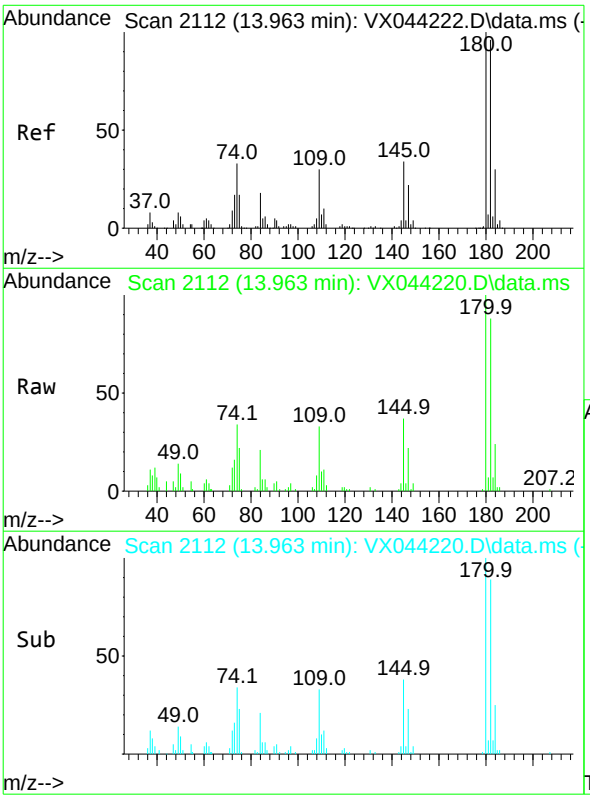
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.5 | 15.7 |
| 129 | 10.3 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

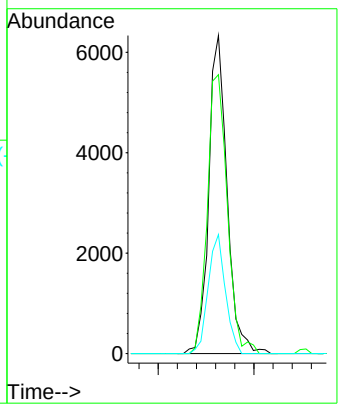
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024




#96
1,2,3-Trichlorobenzene
Concen: 4.520 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:180 Resp: 8422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 48.0 | 144.0 |
| 145 | 35.2 | 17.7 | 53.1 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 134436 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 254199 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 218148 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 98180 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 41821 | 17.743 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 35.480%# | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 30304 | 17.213 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 34.420%# | | |
| 50) Toluene-d8 | 8.647 | 98 | 102660 | 17.284 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 34.560%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 35645 | 17.175 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 34.340%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 38748 | 18.640 | ug/l | 90 |
| 3) Chloromethane | 1.294 | 50 | 39546 | 19.894 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 42048 | 20.304 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 27604 | 18.789 | ug/l | 94 |
| 6) Chloroethane | 1.666 | 64 | 27673 | 21.460 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 81398 | 20.077 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 25884 | 18.704 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 31846 | 19.412 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 42786 | 19.788 | ug/l | 99 |
| 11) Tert butyl alcohol | 3.001 | 59 | 29819m | 89.904 | ug/l | |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 29241 | 19.405 | ug/l | 92 |
| 13) Acrolein | 2.239 | 56 | 43909 | 91.311 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 47218 | 18.813 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 89249 | 96.988 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 88985 | 92.601 | ug/l | 95 |
| 17) Carbon Disulfide | 2.502 | 76 | 50399 | 17.595 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 47509 | 19.175 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 114371 | 19.450 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 35820 | 19.846 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 31036 | 19.380 | ug/l | 97 |
| 22) Diisopropyl ether | 3.764 | 45 | 112511 | 19.907 | ug/l | 94 |
| 23) Vinyl Acetate | 3.721 | 43 | 465716 | 101.354 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 62059 | 19.699 | ug/l | 98 |
| 25) 2-Butanone | 4.568 | 43 | 136992 | 100.277 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 51431 | 20.095 | ug/l # | 74 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 39161 | 19.254 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 30977 | 20.052 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.013 | 42 | 86235 | 98.343 | ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 68410 | 19.327 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 51773 | 20.351 | ug/l | 93 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 57900 | 19.706 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 42878 | 18.841 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 56019 | 19.913 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 43901 | 17.918 | ug/l | 92 |
| 39) Methylcyclohexane | 7.379 | 83 | 53536 | 19.678 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 135467 | 19.606 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 28523 | 19.095 ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 55377 | 19.456 ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 84866 | 19.301 ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 32995 | 19.149 ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33585 | 19.025 ug/l | | 97 |
| 46) Dibromomethane | 7.580 | 93 | 26293 | 19.199 ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 44312 | 18.735 ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 40620 | 19.032 ug/l | | 98 |
| 49) 1,4-Dioxane | 7.671 | 88 | 14281m | 391.518 ug/l | | |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 278267 | 98.429 ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 82934 | 19.113 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 44614 | 18.785 ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 49596 | 19.258 ug/l | | 91 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 34013 | 19.732 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 52571 | 19.318 ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 59489 | 19.827 ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 129900 | 94.642 ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 207578 | 101.440 ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 31066 | 18.318 ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 34978 | 19.935 ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 27702 | 19.133 ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 90631 | 19.389 ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 29132 | 19.392 ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 158455 | 19.619 ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 116126 | 39.183 ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 59787 | 19.938 ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 95883 | 19.946 ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 16924 | 18.112 ug/l | # | 96 |
| 73) Isopropylbenzene | 10.963 | 105 | 153935 | 20.481 ug/l | | 98 |
| 74) N-amyl acetate | 10.842 | 43 | 69643 | 20.049 ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 52312 | 20.039 ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 43726m | 19.627 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 34951 | 19.176 ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 169622 | 20.419 ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 106310 | 19.788 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 126626 | 20.315 ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11784 | 19.264 ug/l | | 90 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 118309 | 19.886 ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 121929 | 19.794 ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 125939 | 20.574 ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 150795 | 20.165 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 127790 | 20.532 ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 64399 | 20.228 ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 64106 | 19.588 ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 104410 | 19.950 ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 15939 | 17.543 ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 65511 | 19.817 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 9468 | 18.683 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 35001 | 19.313 ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 14415 | 19.774 ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 142515 | 20.146 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 38639 | 20.101 ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

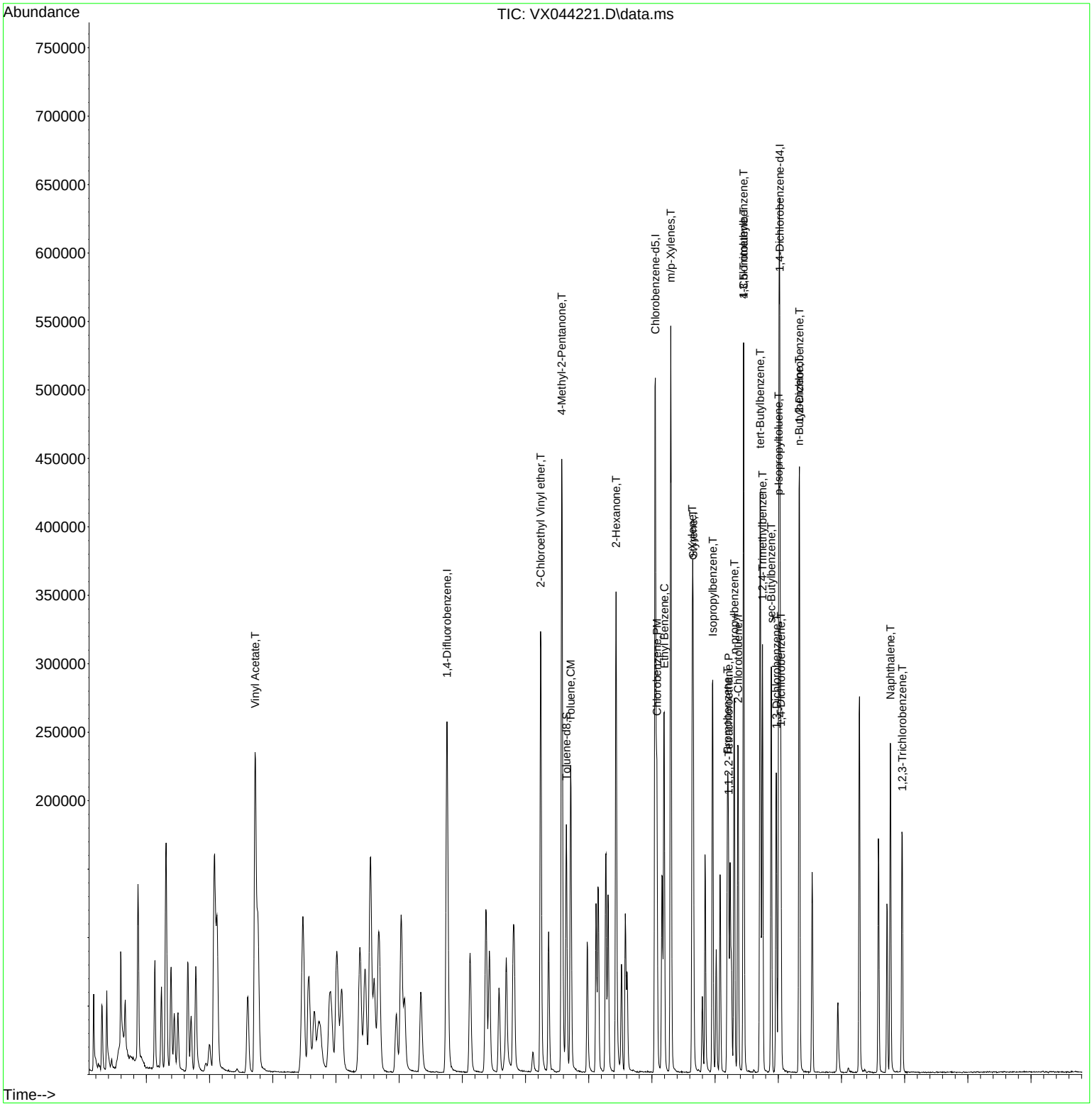
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

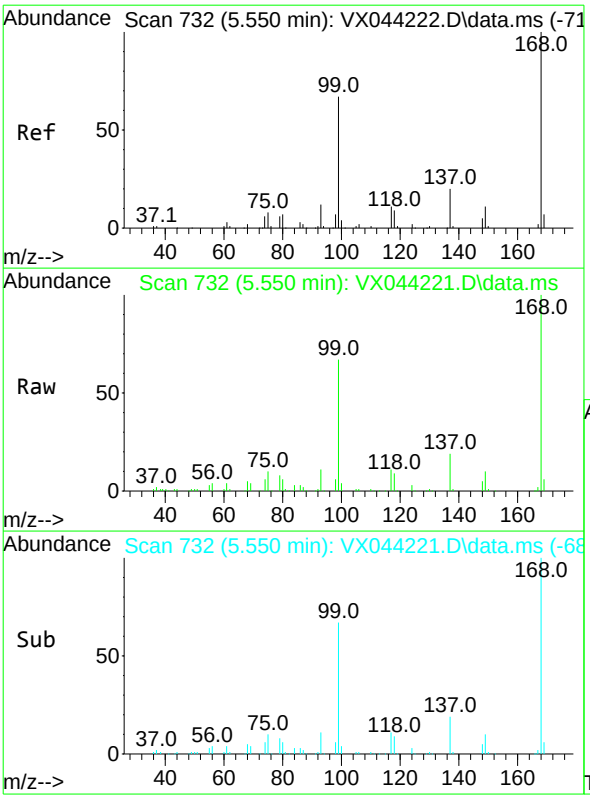
Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

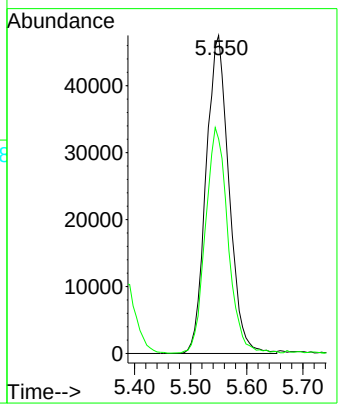





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:168 Resp: 134436

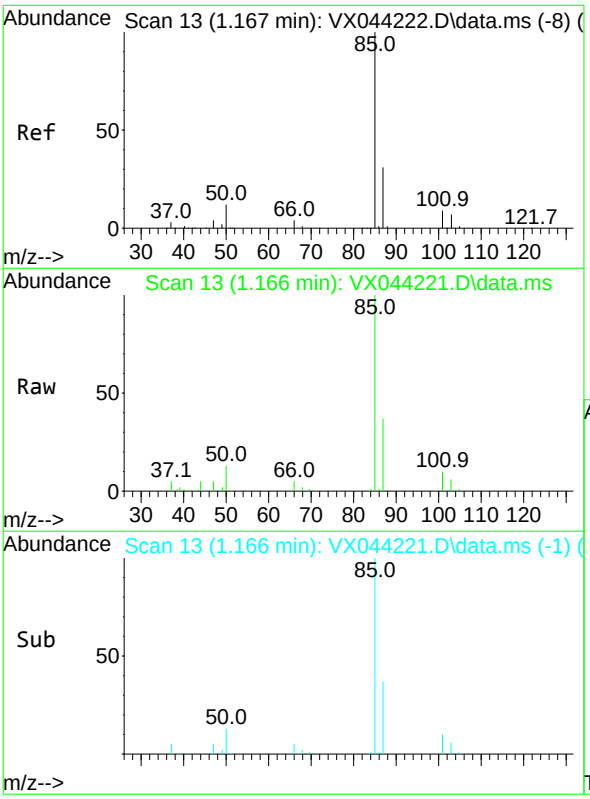
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.2 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

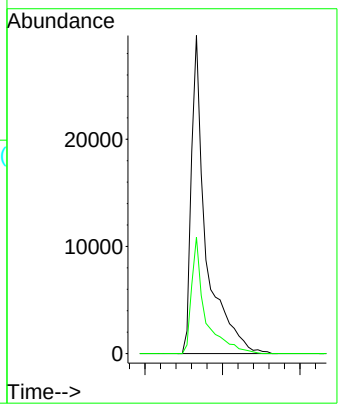
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

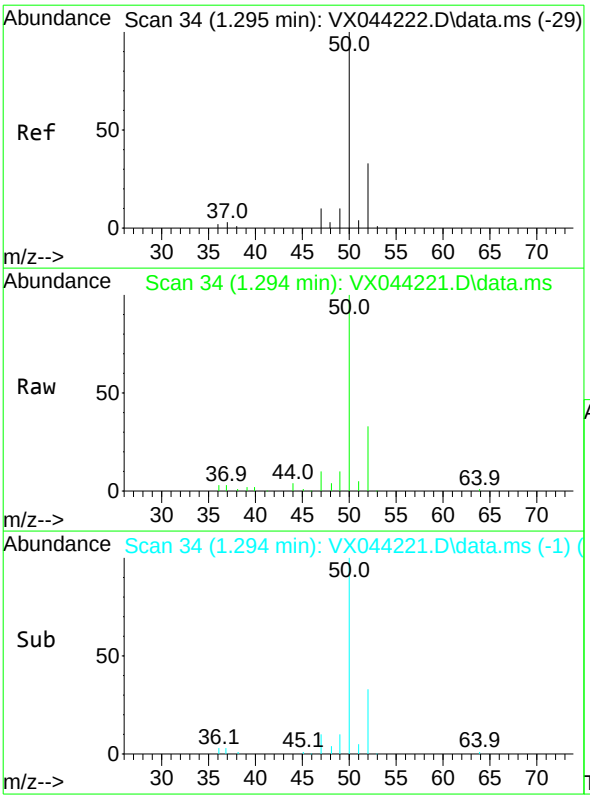



#2
Dichlorodifluoromethane
Concen: 18.640 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 85 Resp: 38748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 36.6 | 15.4 | 46.4 |

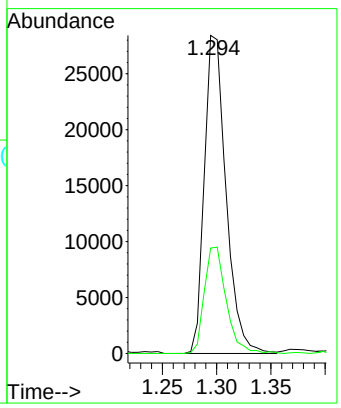





#3
Chloromethane
Concen: 19.894 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 50 Resp: 39546

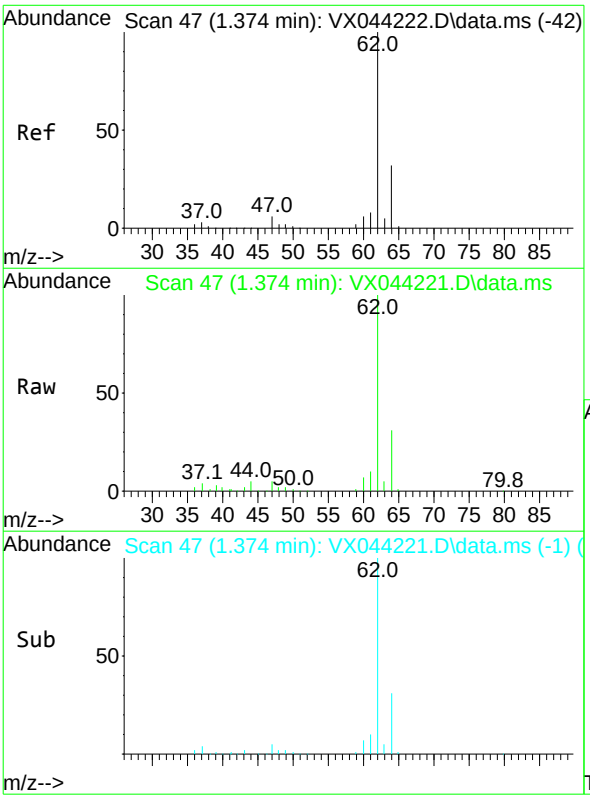
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

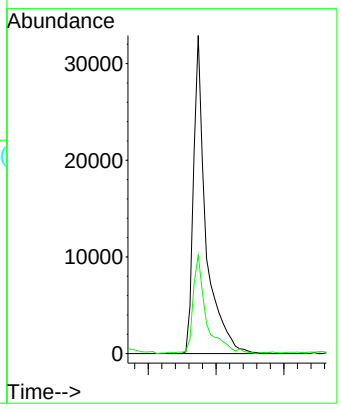
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

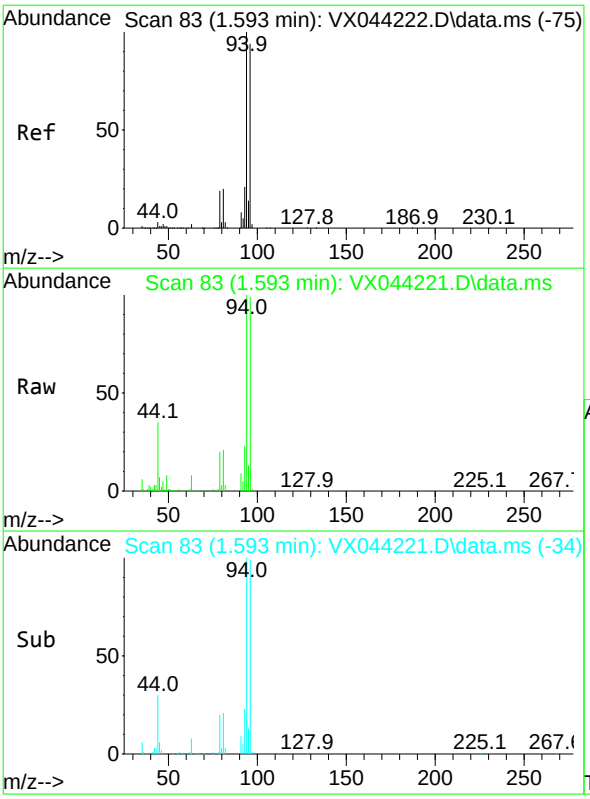



#4
Vinyl Chloride
Concen: 20.304 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 62 Resp: 42048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.6 | 25.7 | 38.5 |

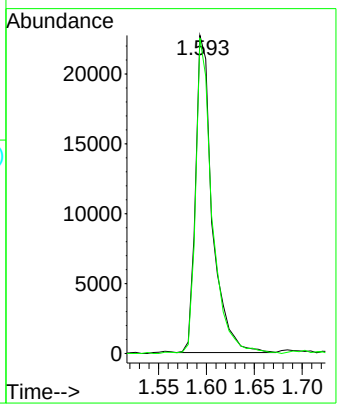





#5
Bromomethane
Concen: 18.789 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 94 Resp: 27604

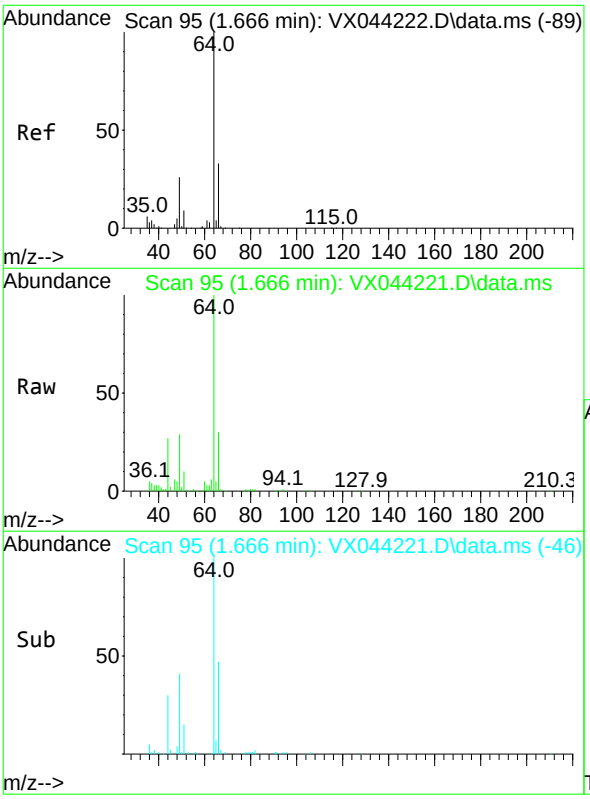
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 99.2 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

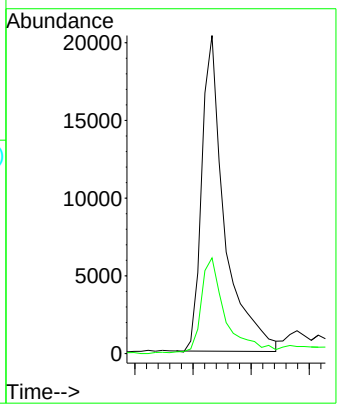
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

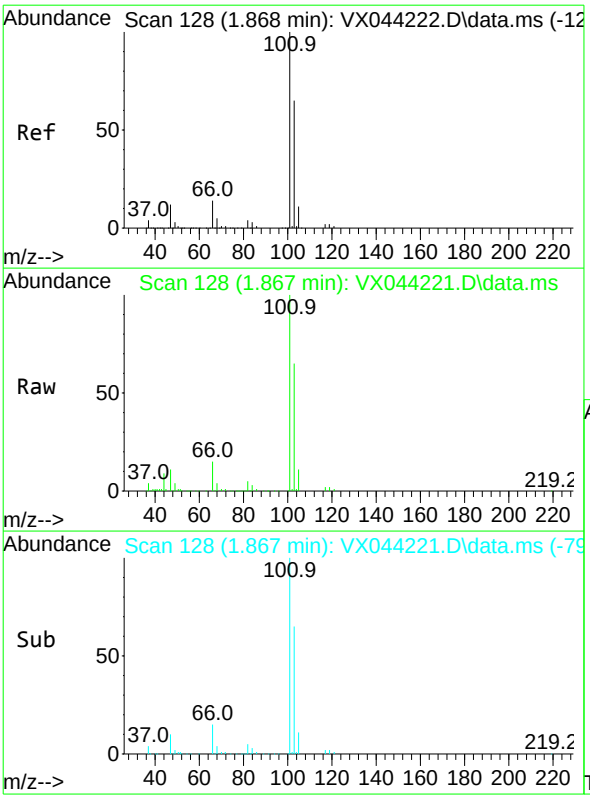



#6
Chloroethane
Concen: 21.460 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 64 Resp: 27673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.8 | 26.6 | 39.8 |

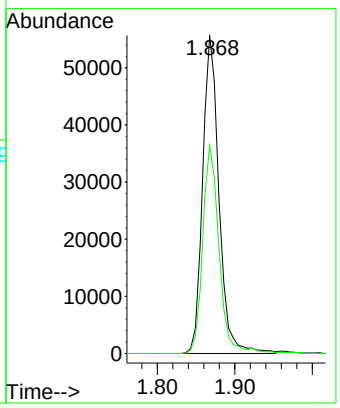





#7
Trichlorofluoromethane
Concen: 20.077 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:101 Resp: 81398

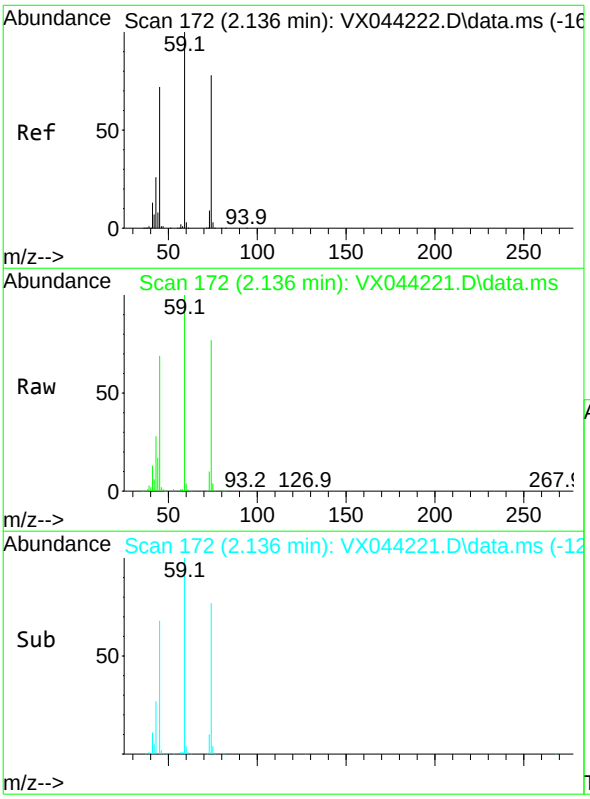
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

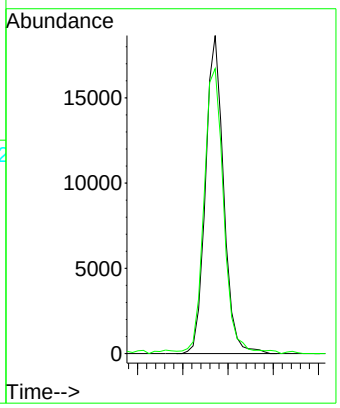
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

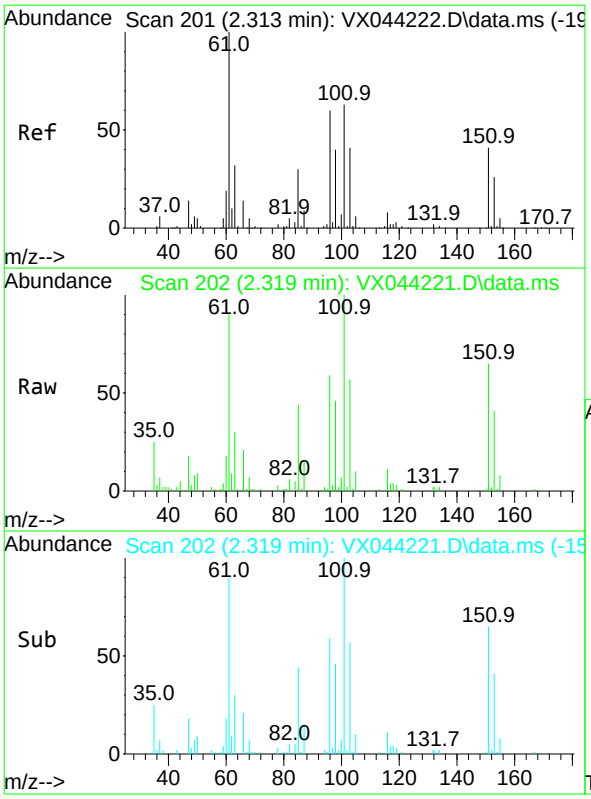



#8
Diethyl Ether
Concen: 18.704 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 74 Resp: 25884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.8 | 48.4 | 145.0 |

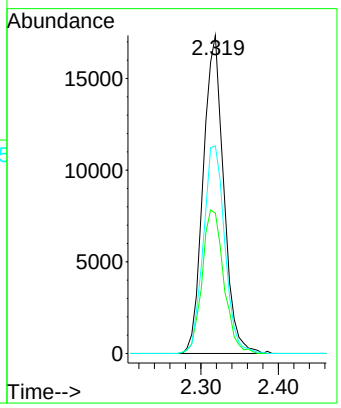





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.412 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:101 Resp: 31846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.0 | 38.5 | 57.7 |
| 151 | 68.6 | 55.8 | 83.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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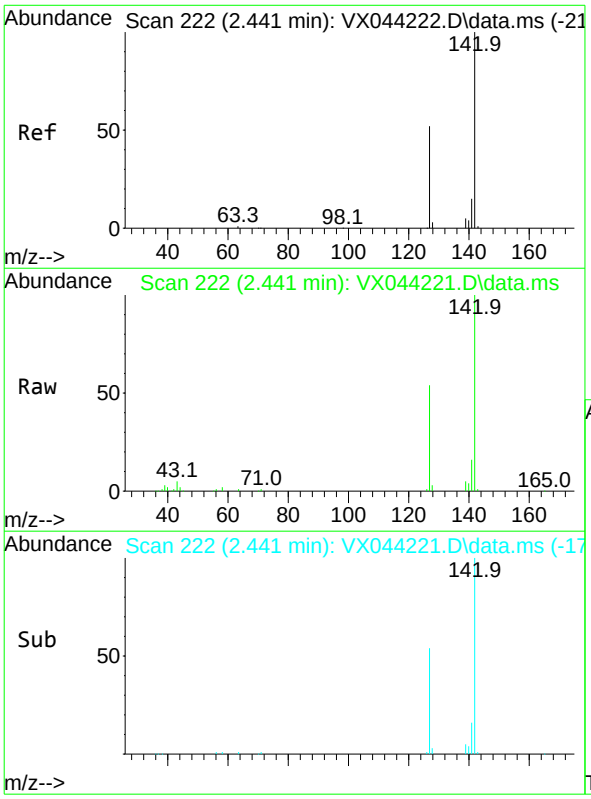
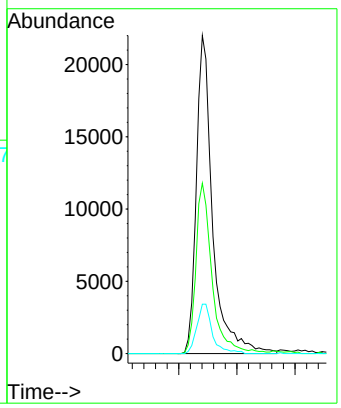
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

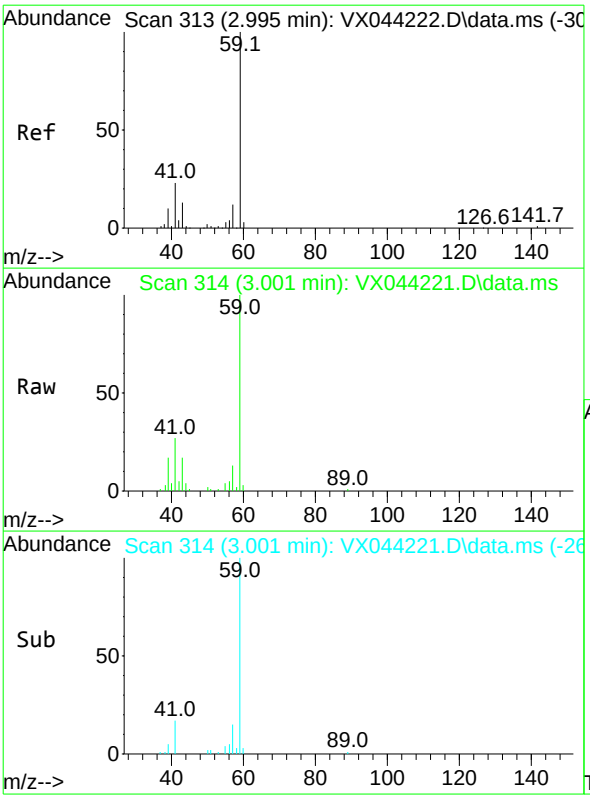



#10
Methyl Iodide
Concen: 19.788 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:142 Resp: 42786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.9 | 41.8 | 62.8 |
| 141 | 14.8 | 11.5 | 17.3 |

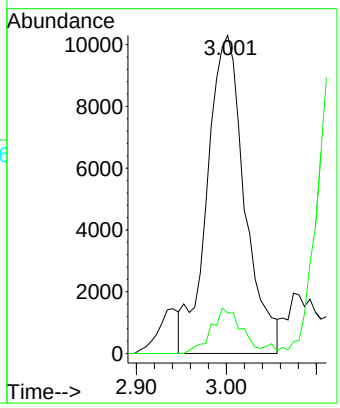





#11
Tert butyl alcohol
Concen: 89.904 ug/l m
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 59 Resp: 29819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.5 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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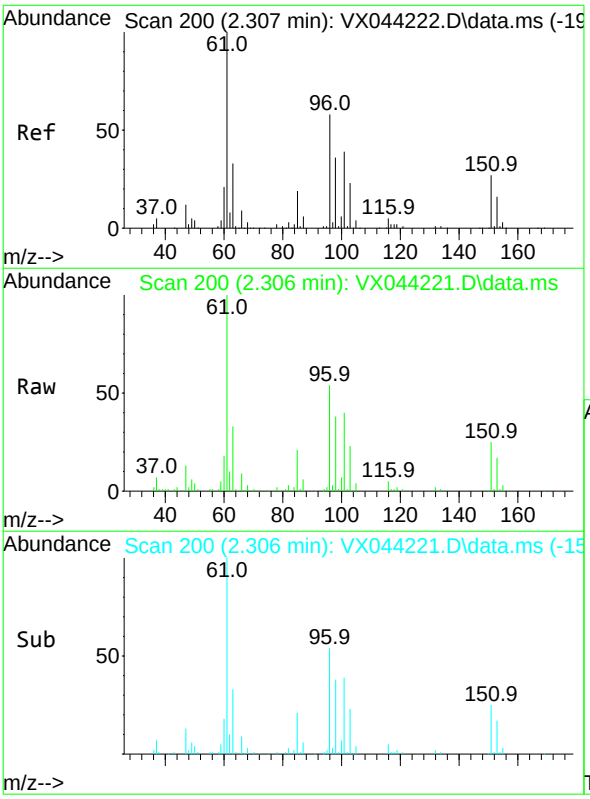
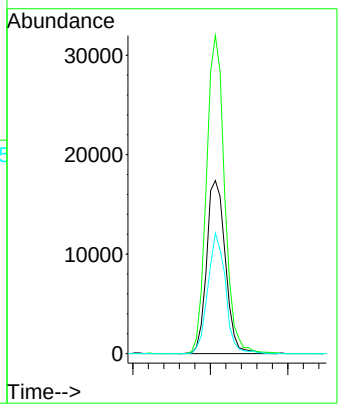
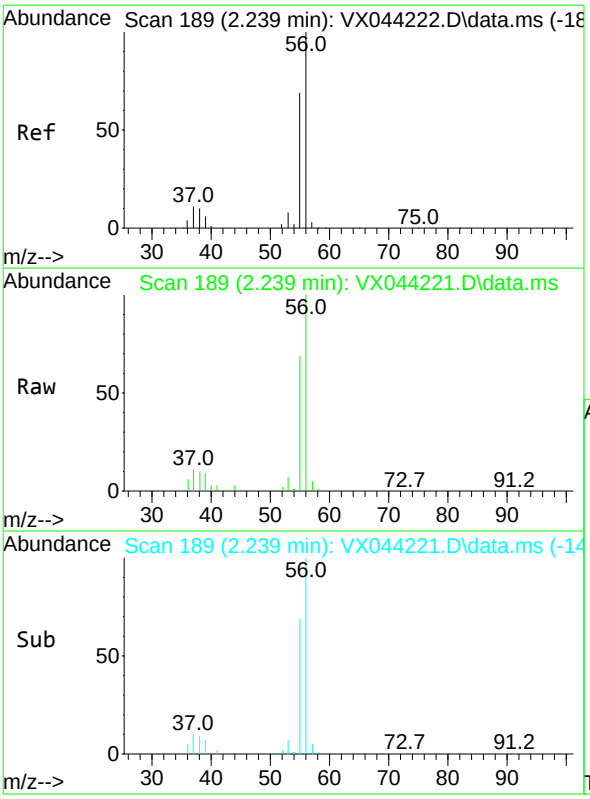



#12
1,1-Dichloroethene
Concen: 19.405 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 96 Resp: 29241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 183.9 | 138.0 | 207.0 |
| 98 | 69.6 | 50.0 | 75.0 |

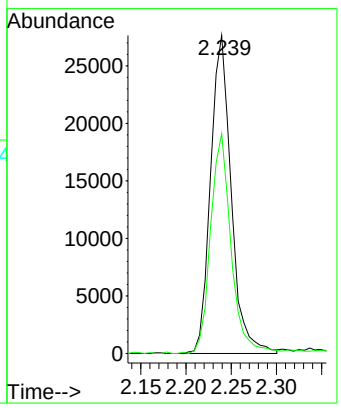





#13
Acrolein
Concen: 91.311 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 56 Resp: 43909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.6 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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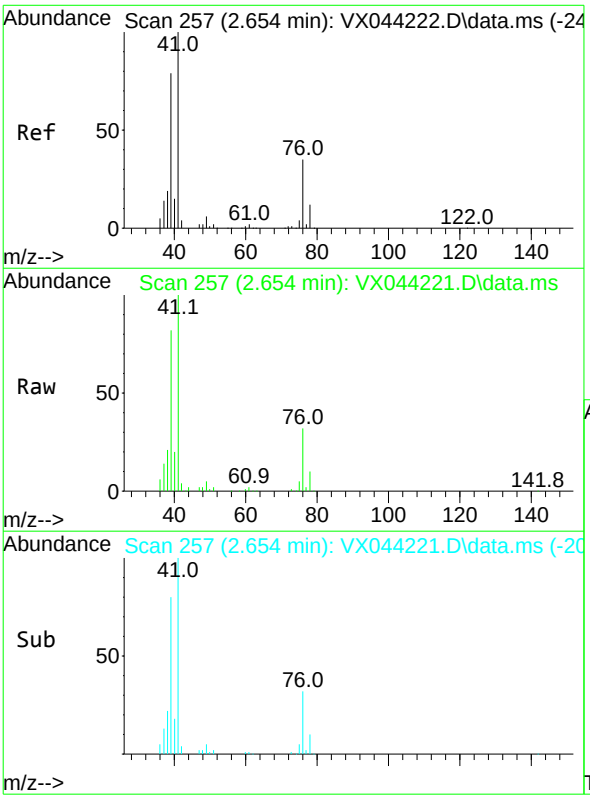
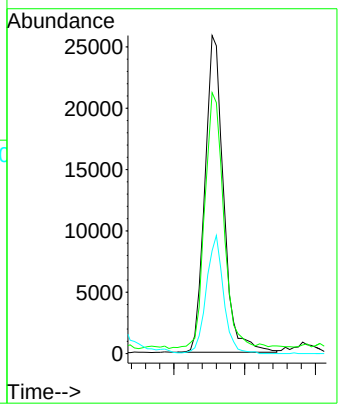
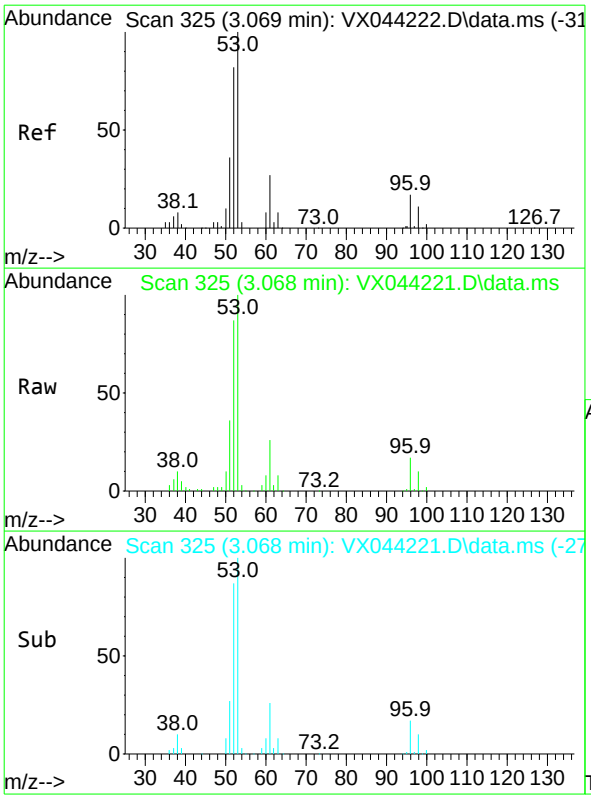



#14
Allyl chloride
Concen: 18.813 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 47218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 80.4 | 61.9 | 92.9 |
| 76 | 34.5 | 27.4 | 41.2 |

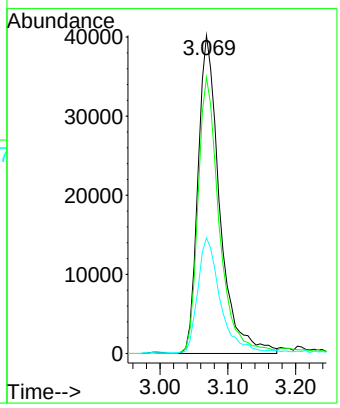





#15
Acrylonitrile
Concen: 96.988 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 53 Resp: 89249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.1 | 67.4 | 101.0 |
| 51 | 37.1 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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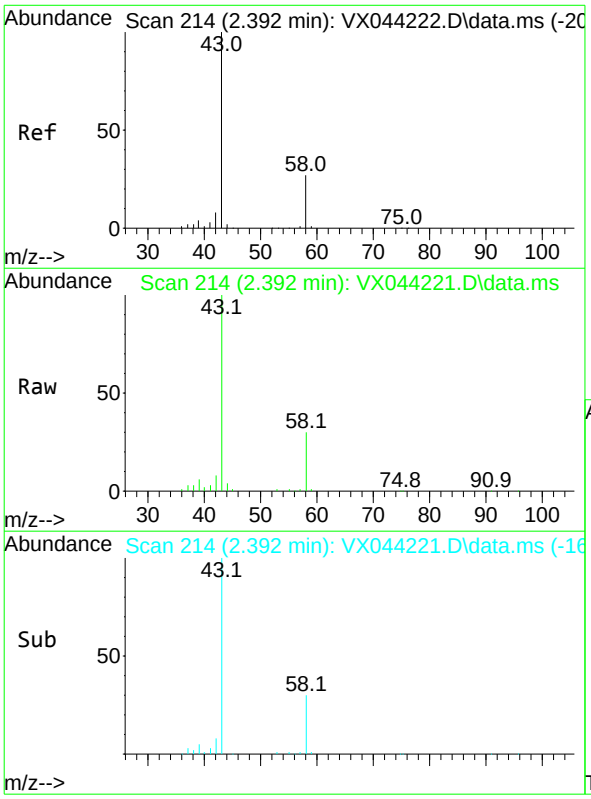
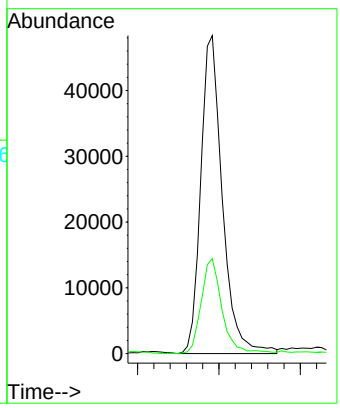
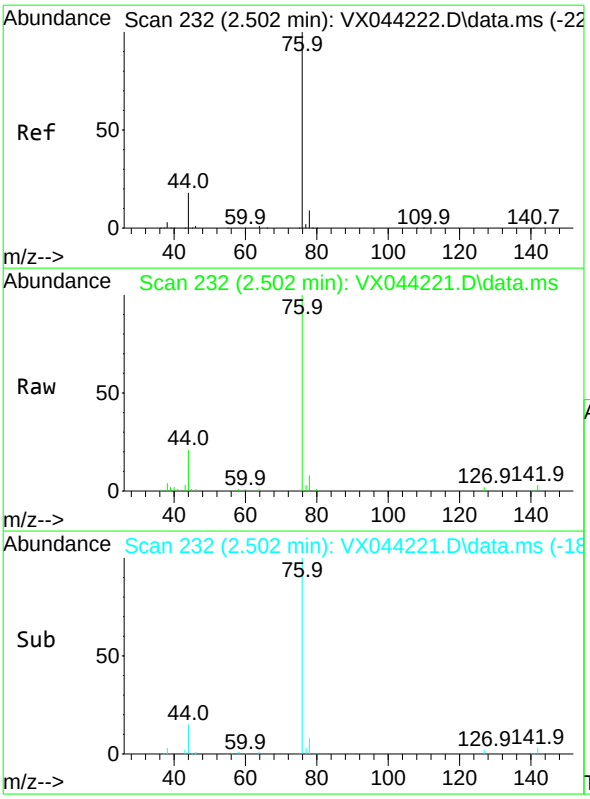



#16
Acetone
Concen: 92.601 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 88985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 21.6 | 32.4 |

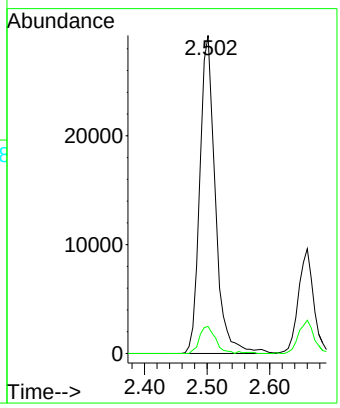





#17
Carbon Disulfide
Concen: 17.595 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 76 Resp: 50399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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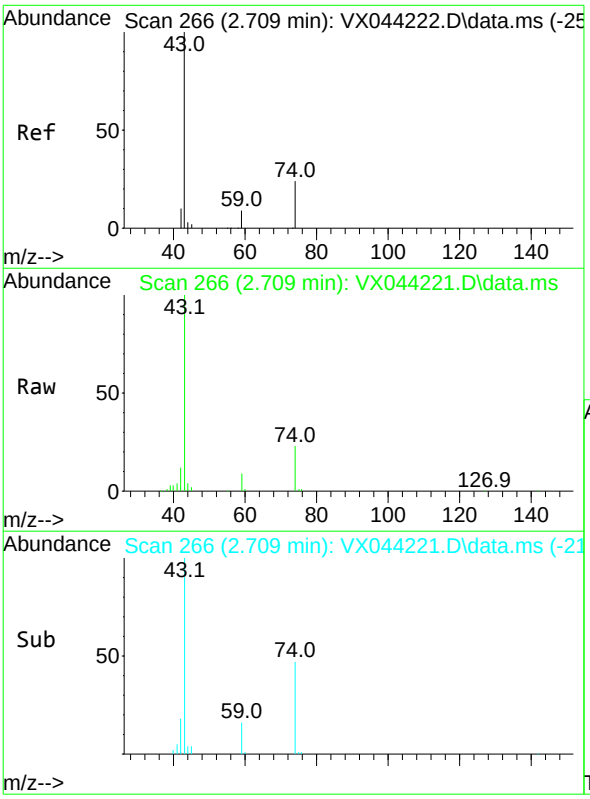
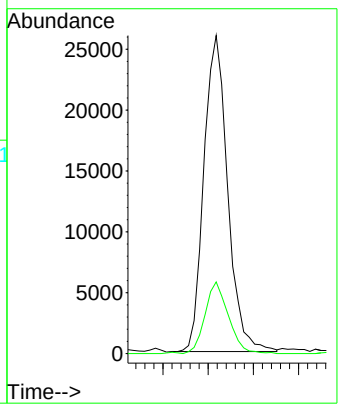
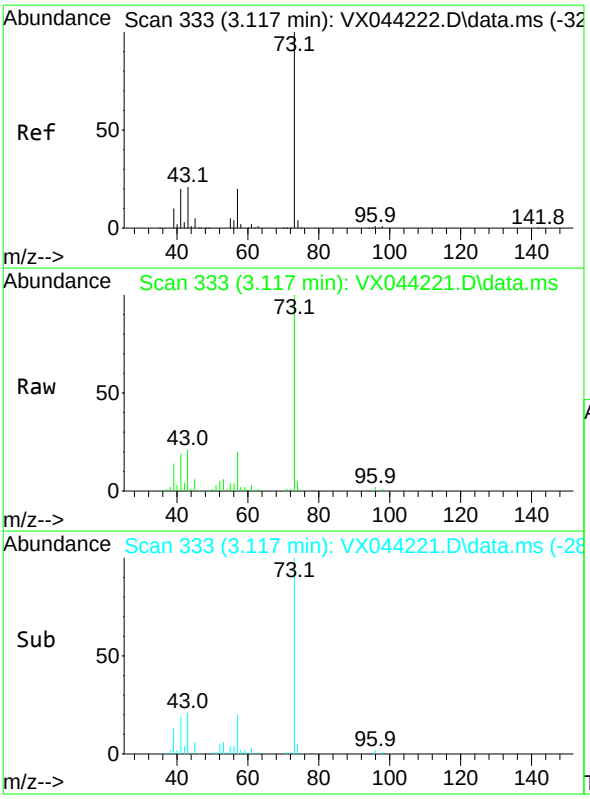



#18
Methyl Acetate
Concen: 19.175 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 47509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.2 | 17.7 | 26.5 |

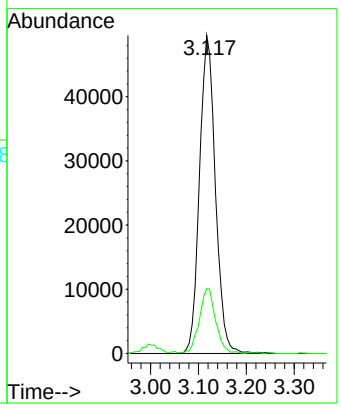





#19
Methyl tert-butyl Ether
Concen: 19.450 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 73 Resp: 114371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.4 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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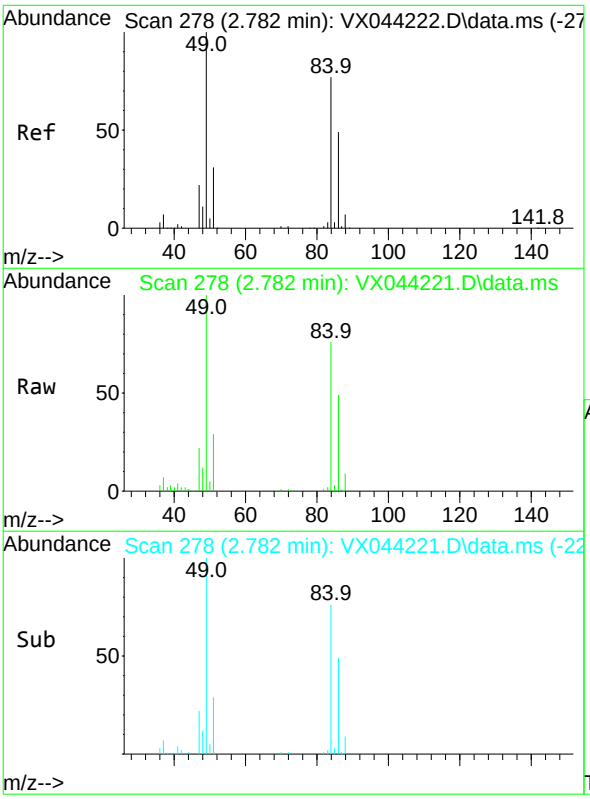
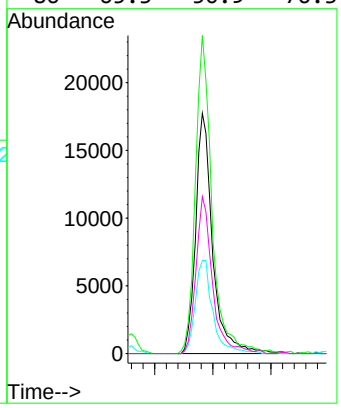
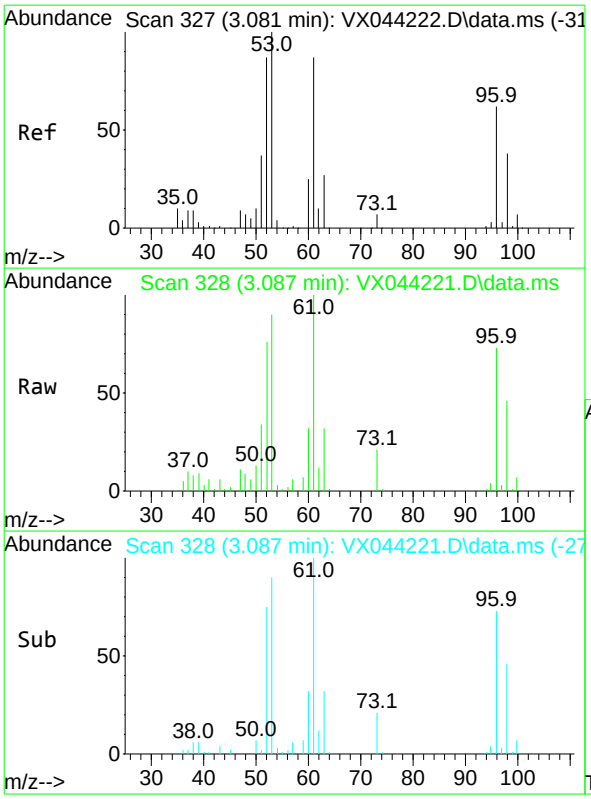



#20
Methylene Chloride
Concen: 19.846 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 84 Resp: 35820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 132.3 | 104.2 | 156.4 |
| 51 | 38.7 | 32.2 | 48.4 |
| 86 | 65.3 | 50.9 | 76.3 |

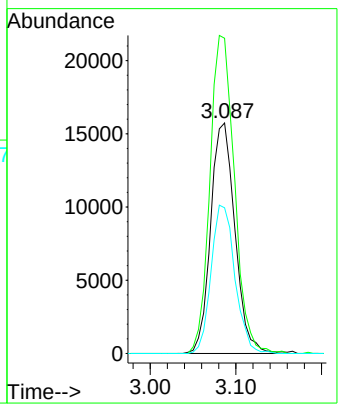





#21
trans-1,2-Dichloroethene
Concen: 19.380 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 96 Resp: 31036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.8 | 112.0 | 168.0 |
| 98 | 63.2 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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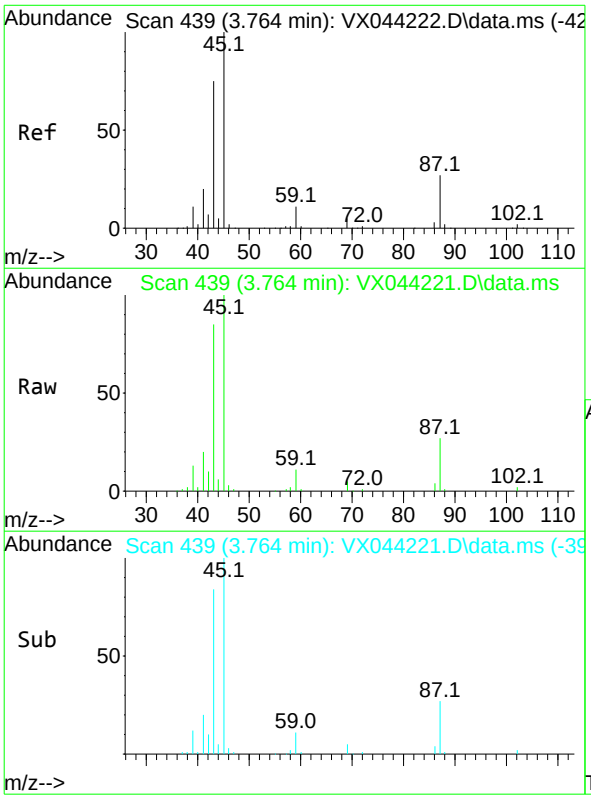
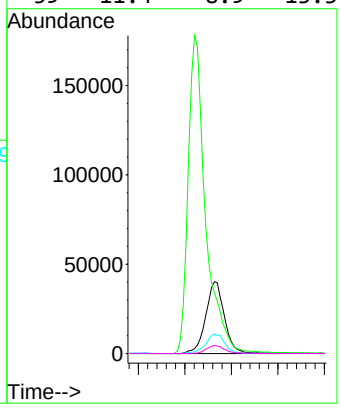
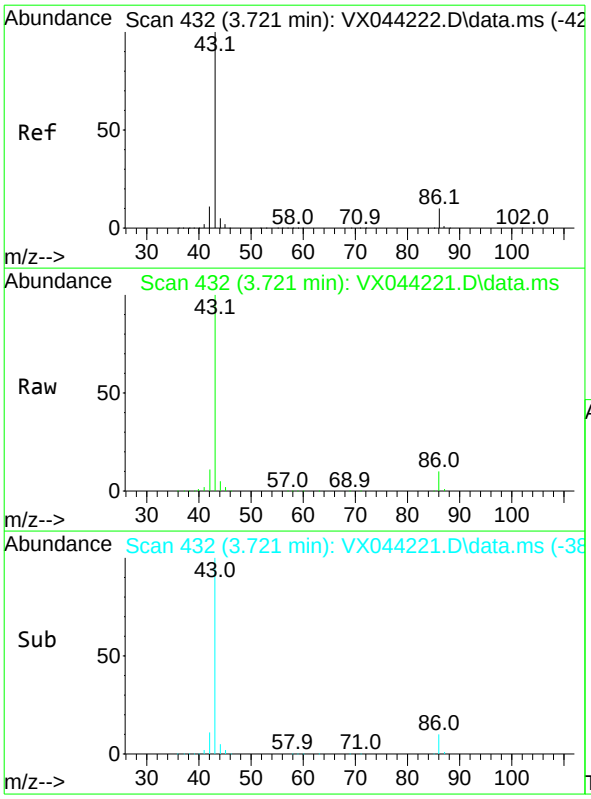



#22
Diisopropyl ether
Concen: 19.907 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 45 Resp: 112511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 82.8 | 60.2 | 90.2 |
| 87 | 27.1 | 21.2 | 31.8 |
| 59 | 11.4 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 101.354 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 465716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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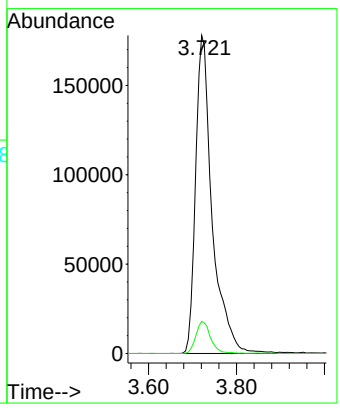
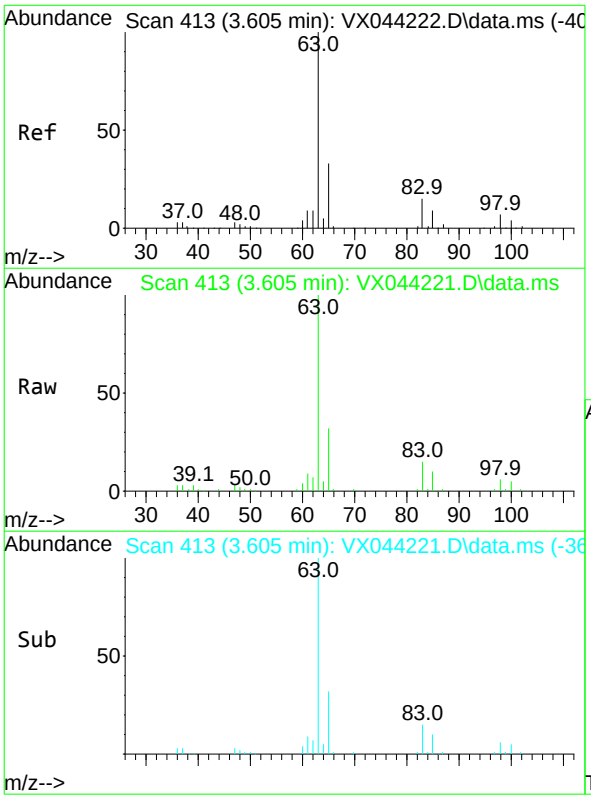
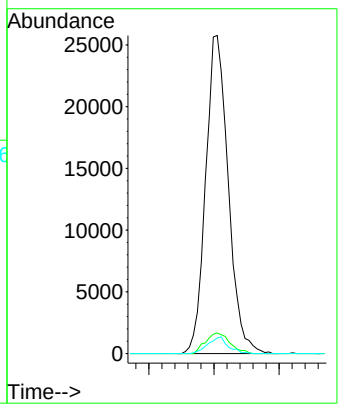


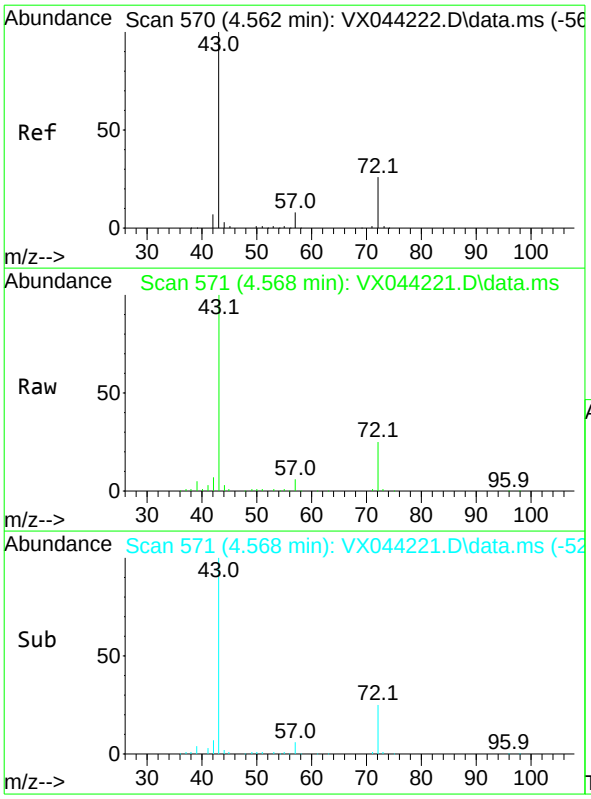




#24
1,1-Dichloroethane
Concen: 19.699 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 63 Resp: 62059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.5 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |

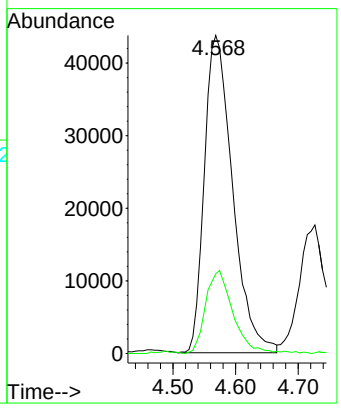





#25
2-Butanone
Concen: 100.277 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 136992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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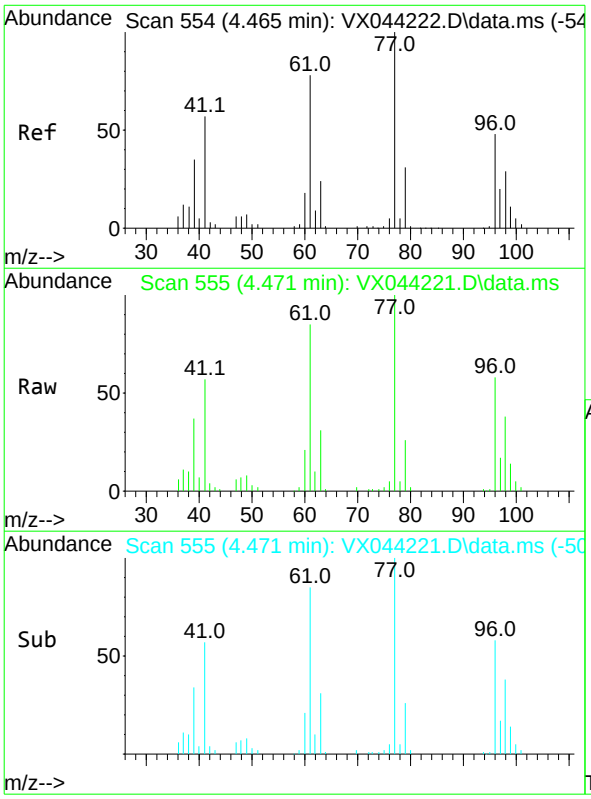
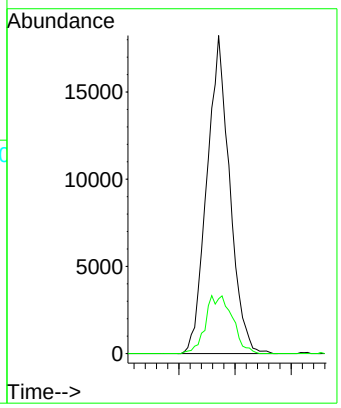
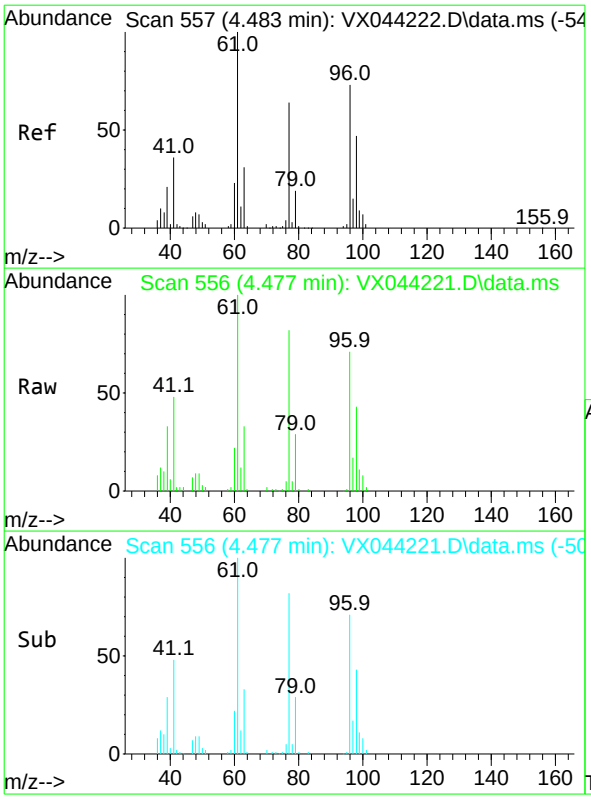



#26
2,2-Dichloropropane
Concen: 20.095 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 77 Resp: 51431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 9.1 | 10.7 | 32.1# |

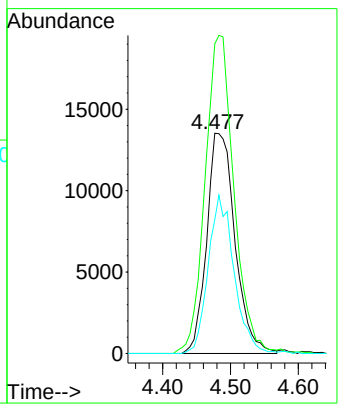





#27
cis-1,2-Dichloroethene
Concen: 19.254 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 96 Resp: 39161

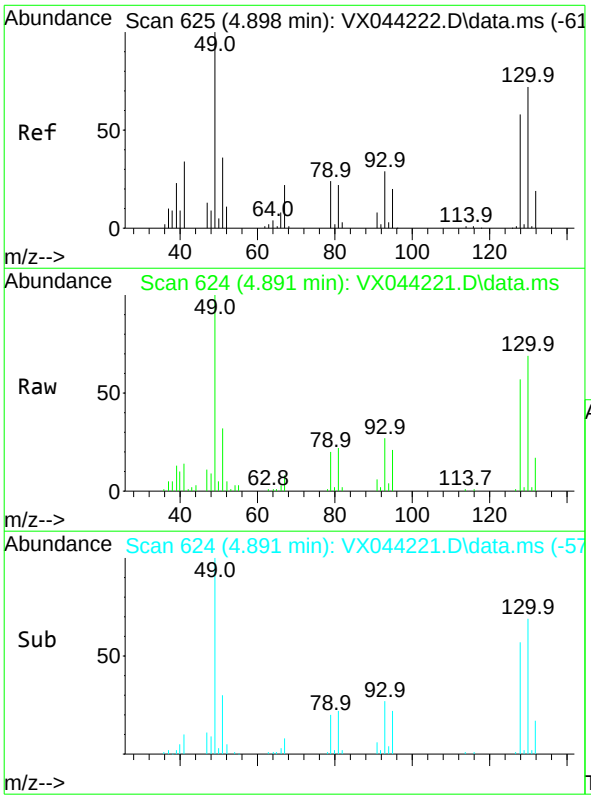
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.6 | 0.0 | 299.0 |
| 98 | 65.5 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

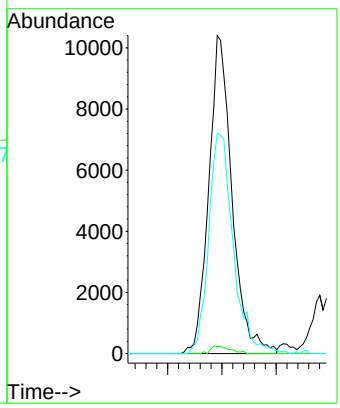
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

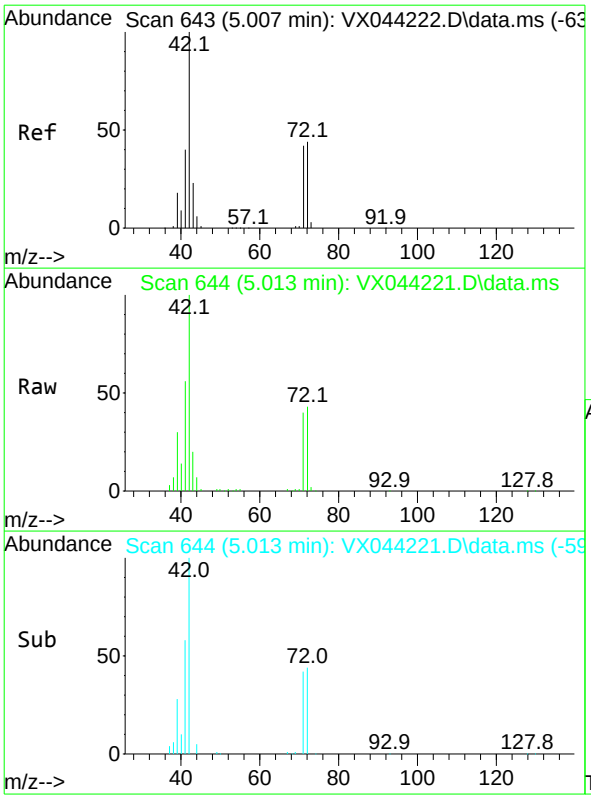



#28
Bromochloromethane
Concen: 20.052 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 49 Resp: 30977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.2 |
| 130 | 73.1 | 62.1 | 93.1 |

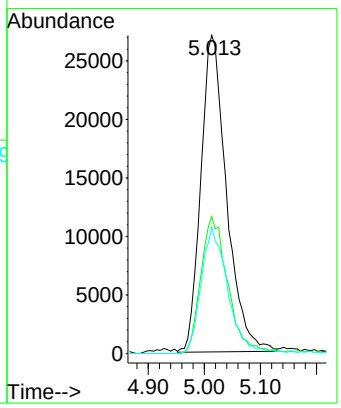





#29
Tetrahydrofuran
Concen: 98.343 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 42 Resp: 86235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.2 | 37.0 | 55.6 |
| 71 | 41.1 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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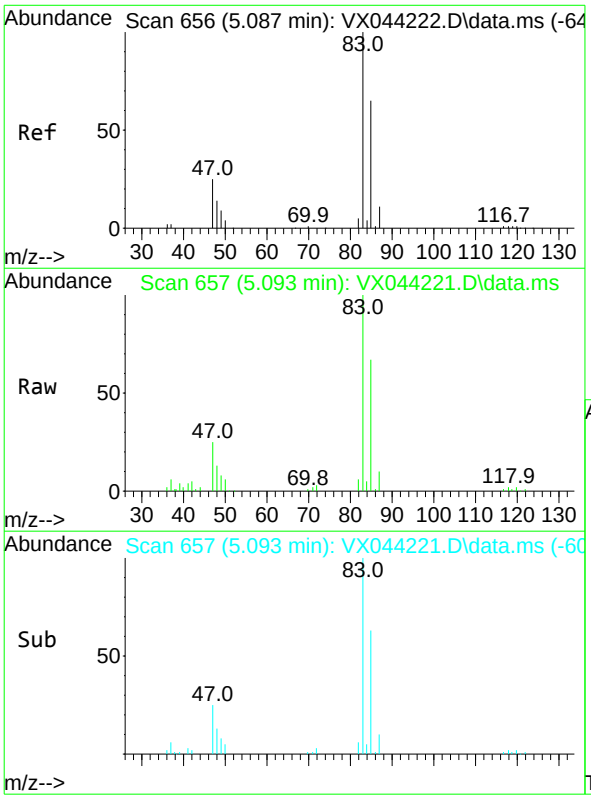
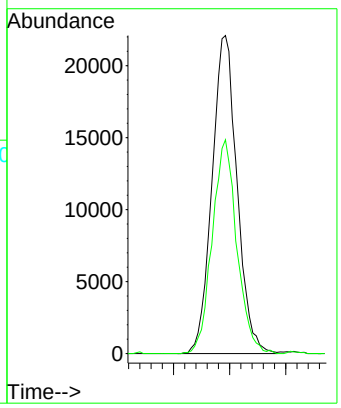
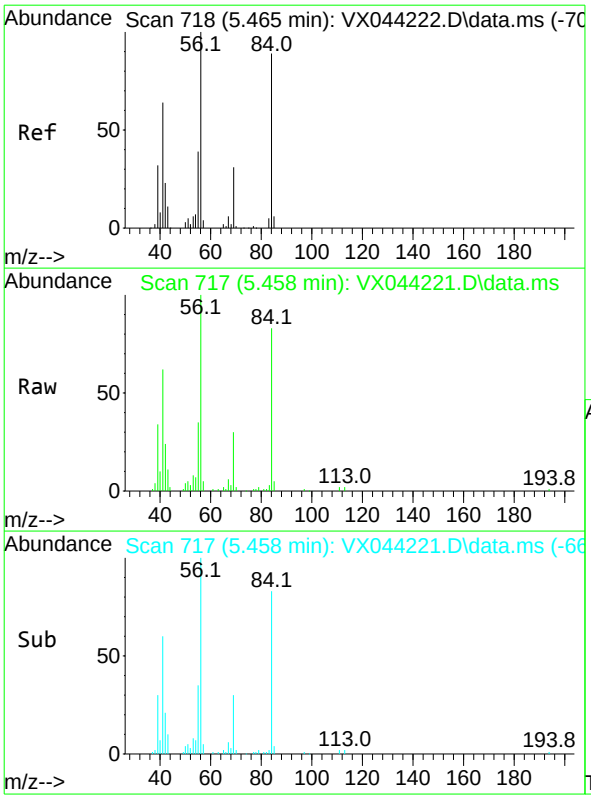



#30
Chloroform
Concen: 19.327 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 68410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.2 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 20.351 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 56 Resp: 51773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.8 | 24.7 | 37.1 |
| 84 | 80.7 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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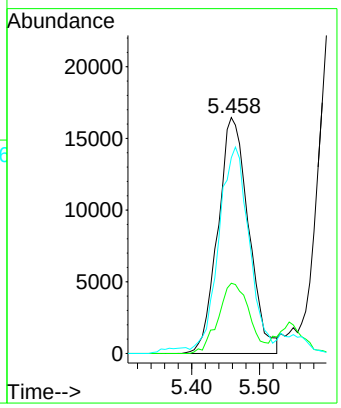
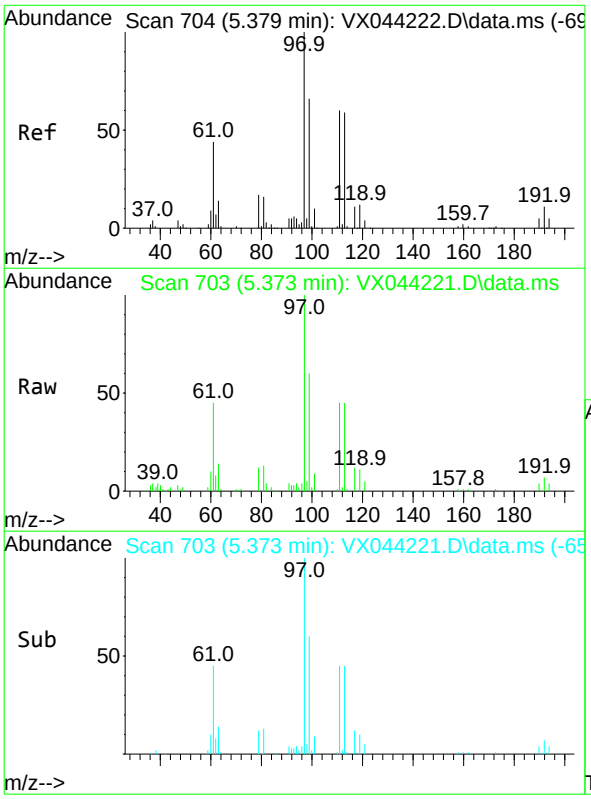
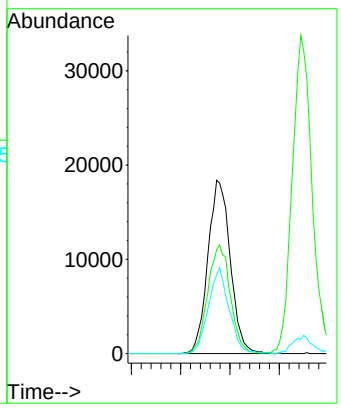


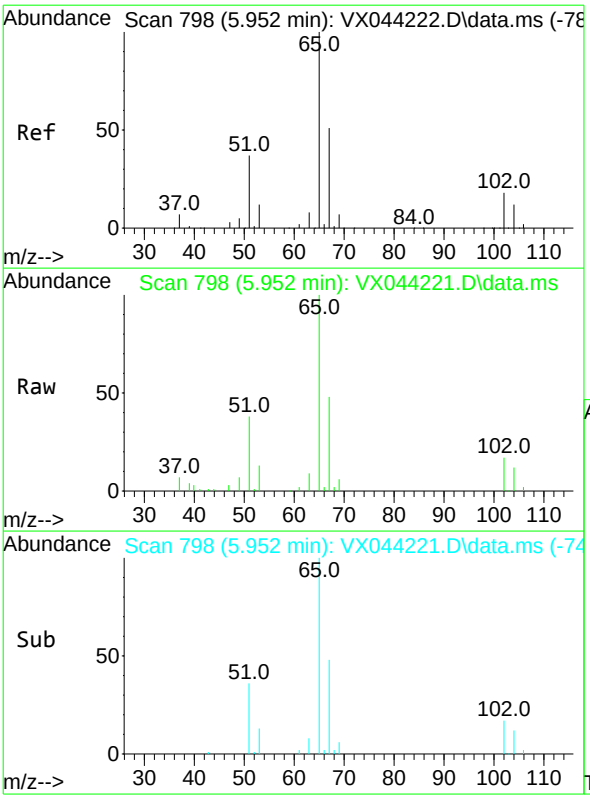




#32
1,1,1-Trichloroethane
Concen: 19.706 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 97 Resp: 57900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 50.8 | 76.2 |
| 61 | 45.7 | 35.2 | 52.8 |

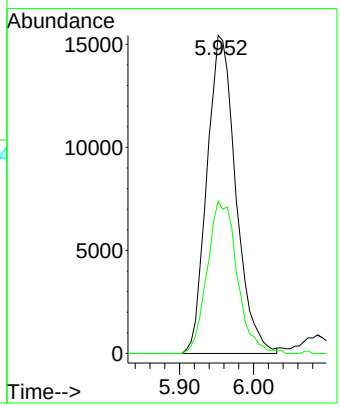





#33
1,2-Dichloroethane-d4
Concen: 17.743 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 65 Resp: 41821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.6 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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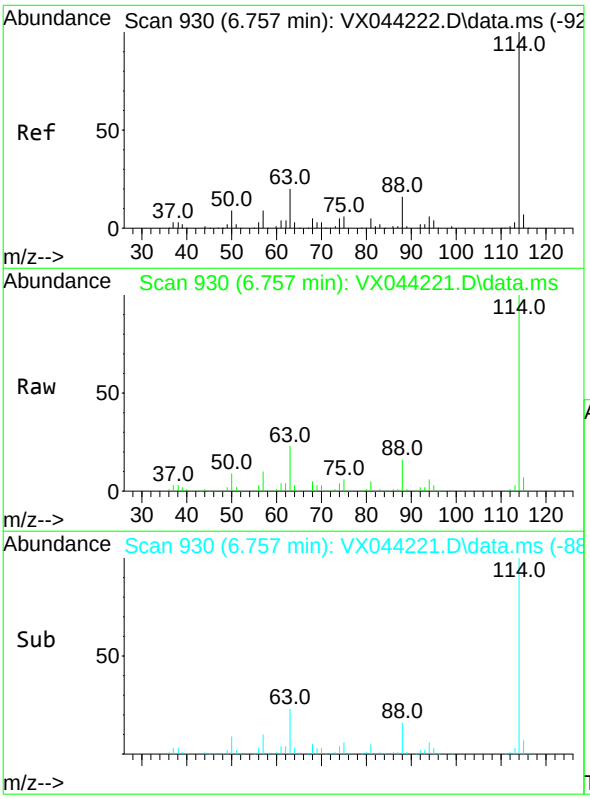
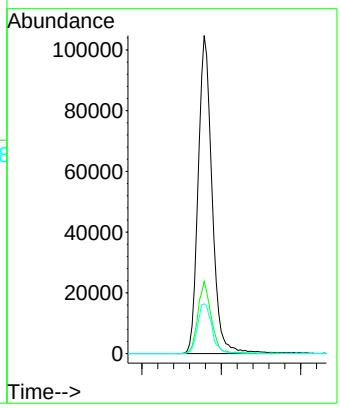
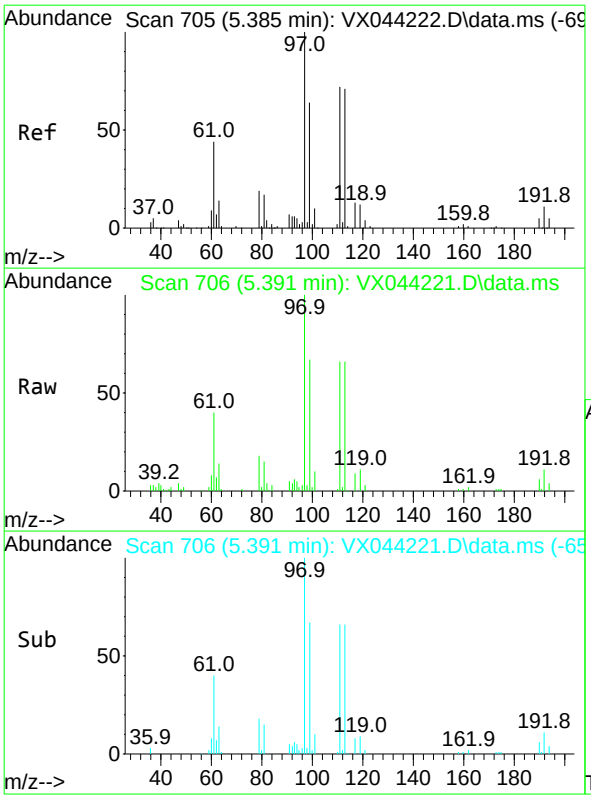



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:114 Resp: 254199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.7 | 0.0 | 40.6 |
| 88 | 15.7 | 0.0 | 31.8 |

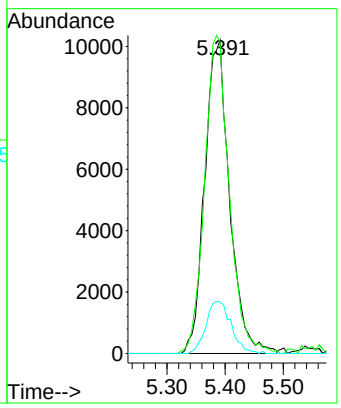





#35
Dibromofluoromethane
Concen: 17.213 ug/l
RT: 5.391 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:113 Resp: 30304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.9 | 80.4 | 120.6 |
| 192 | 16.7 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

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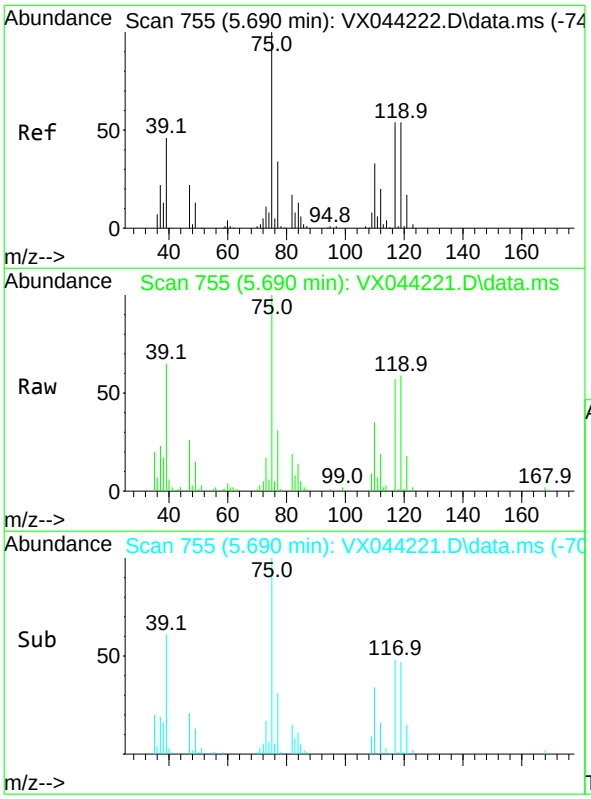
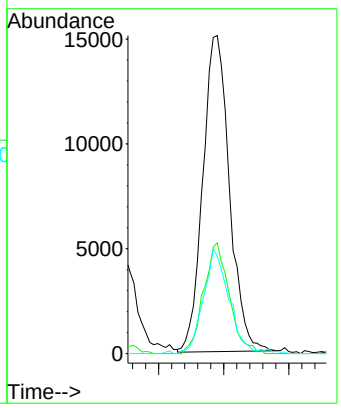
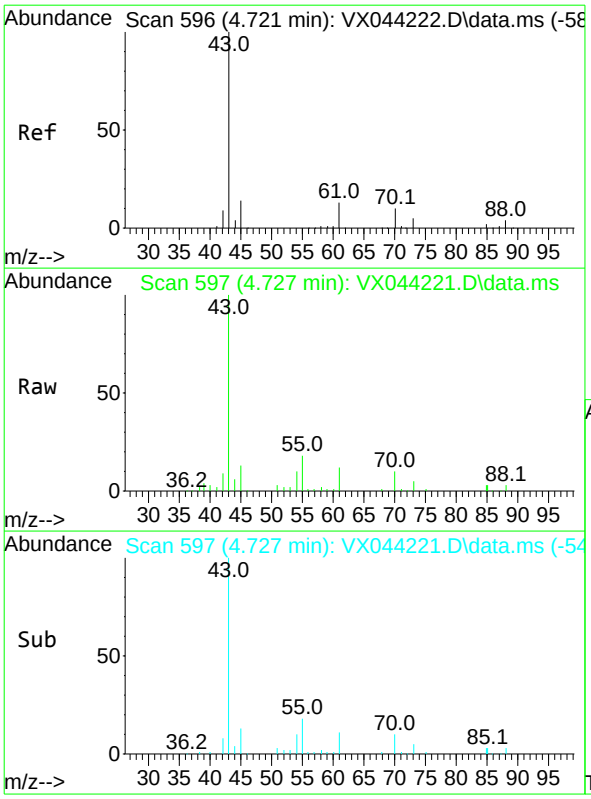



#36
1,1-Dichloropropene
Concen: 18.841 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 42878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 17.3 | 51.7 |
| 77 | 31.3 | 25.4 | 38.0 |

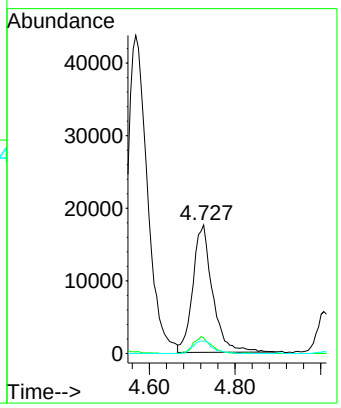





#37
Ethyl Acetate
Concen: 19.913 ug/l
RT: 4.727 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 56019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.8 | 9.8 | 14.8 |
| 70 | 9.9 | 7.7 | 11.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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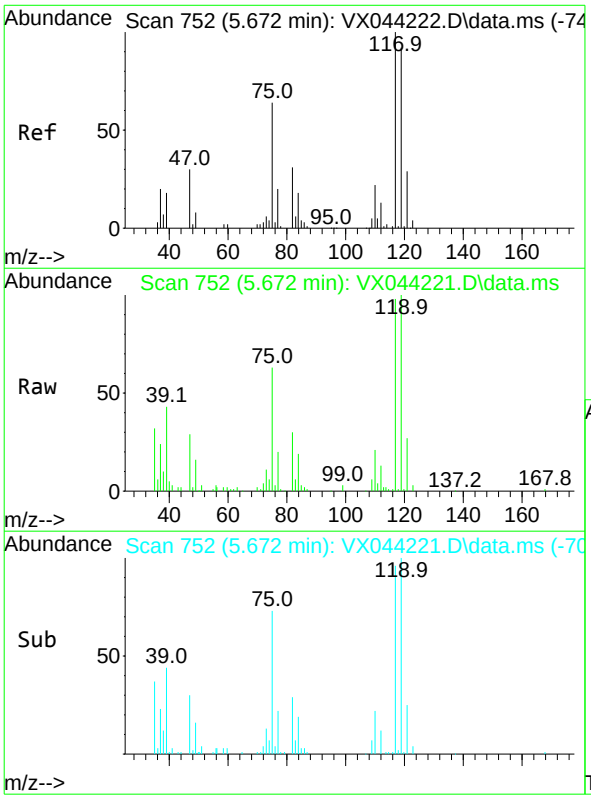
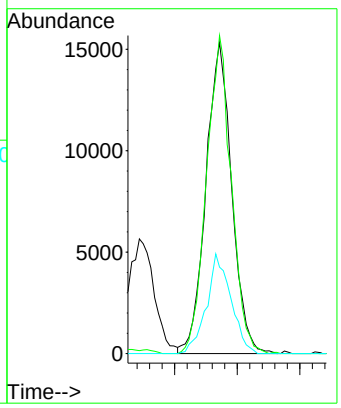
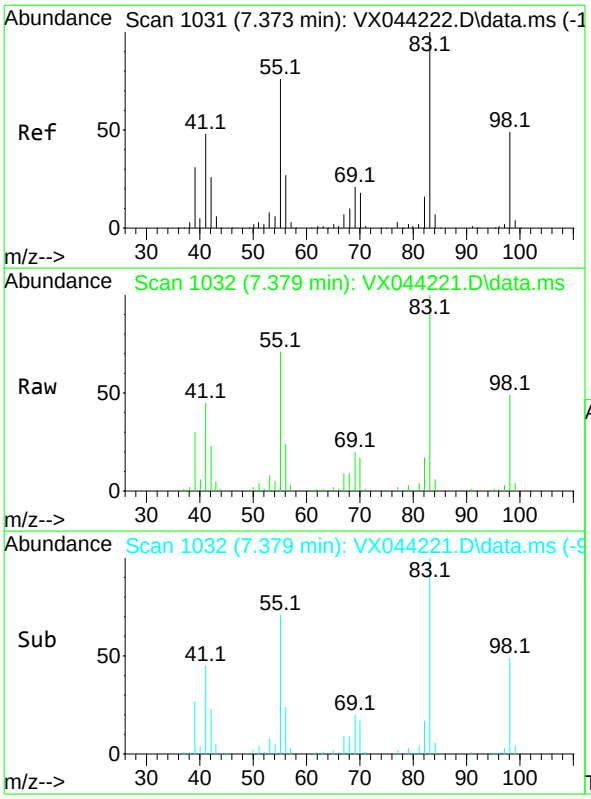



#38
Carbon Tetrachloride
Concen: 17.918 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 43901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 102.3 | 74.2 | 111.4 |
| 121 | 27.8 | 23.0 | 34.6 |

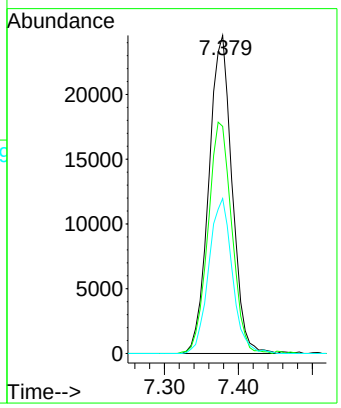





#39
Methylcyclohexane
Concen: 19.678 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 53536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.4 | 60.7 | 91.1 |
| 98 | 48.7 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

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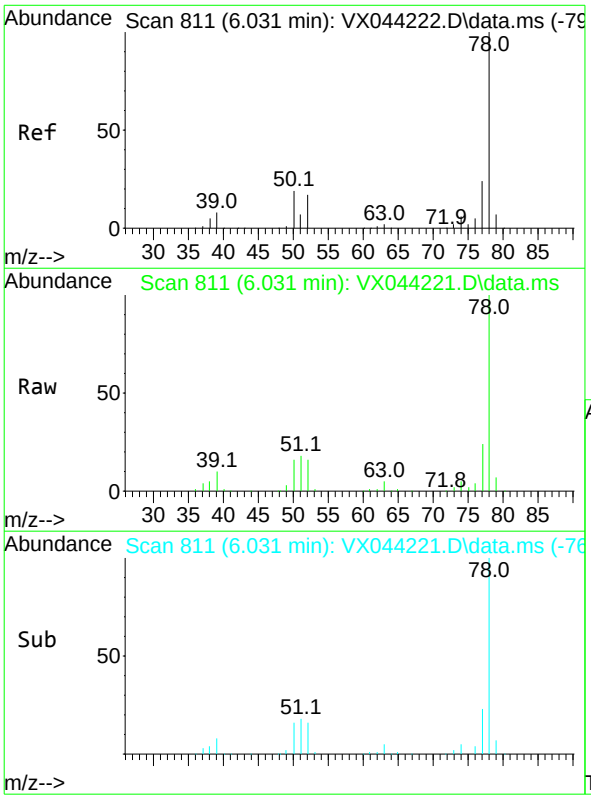
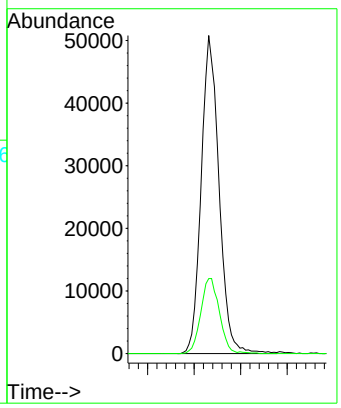
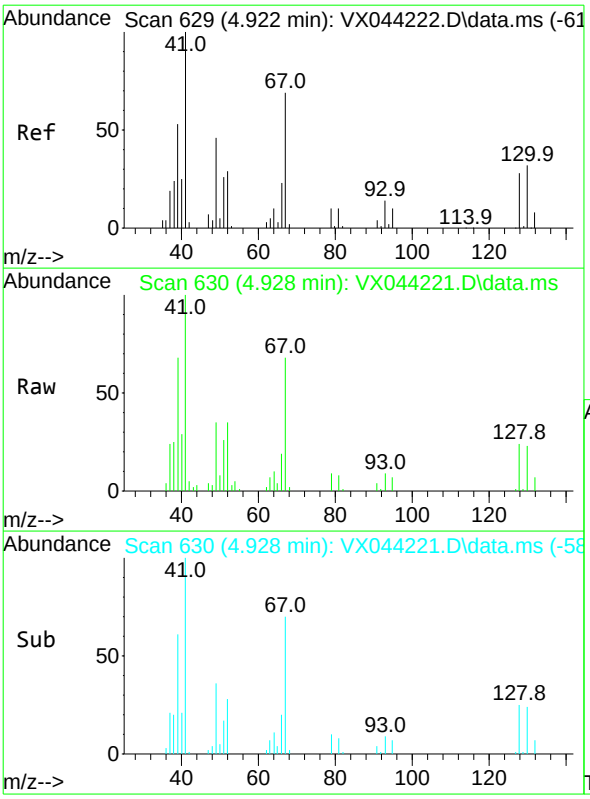



#40
Benzene
Concen: 19.606 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 78 Resp: 135467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.6 | 19.3 | 28.9 |

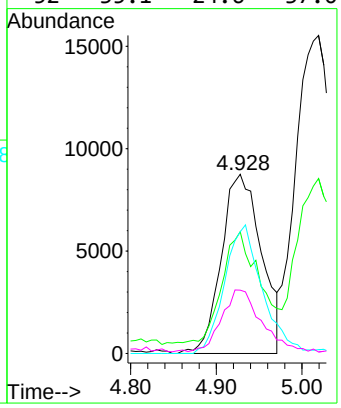





#41
Methacrylonitrile
Concen: 19.095 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 28523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.0 | 44.2 | 66.4 |
| 67 | 67.6 | 57.2 | 85.8 |
| 52 | 35.1 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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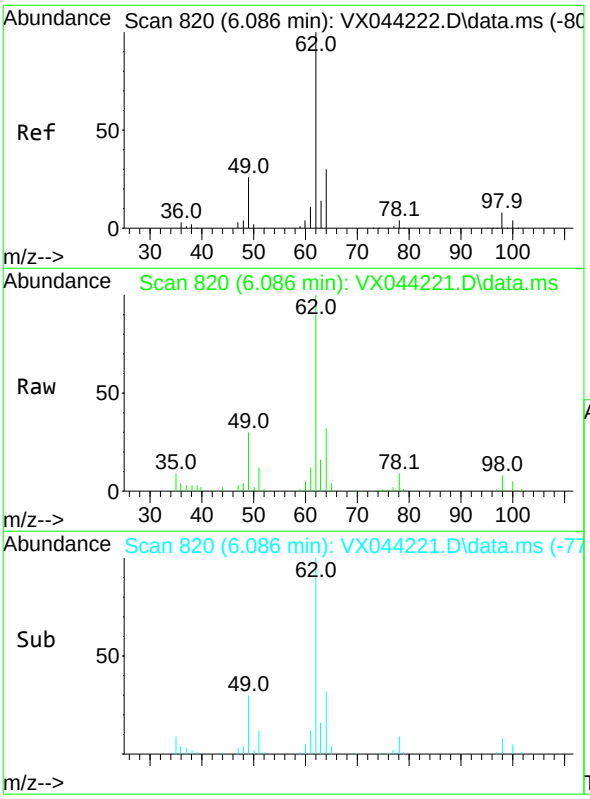
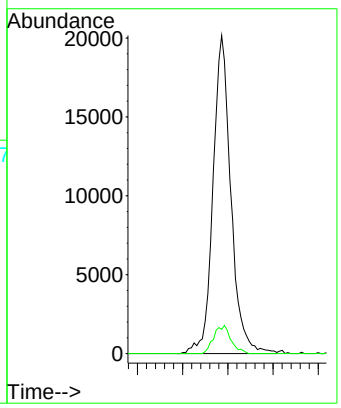
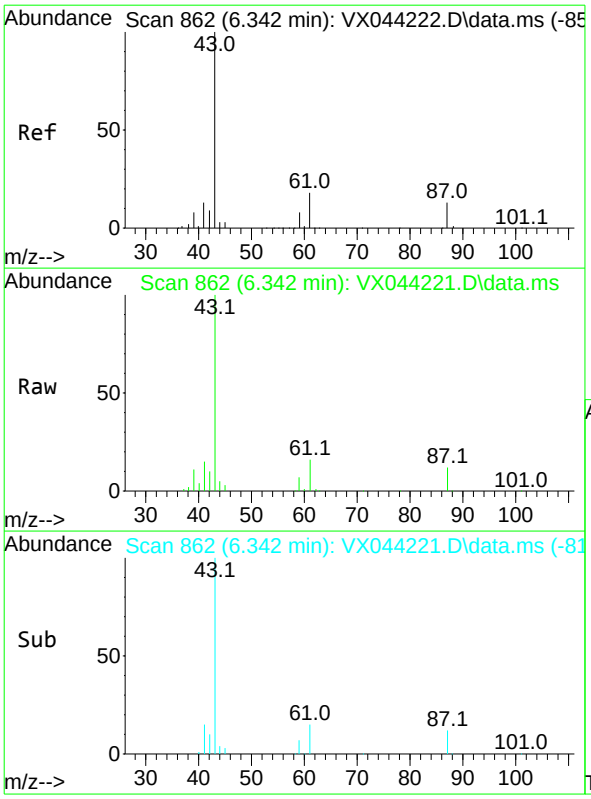



#42
1,2-Dichloroethane
Concen: 19.456 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 62 Resp: 55377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.5 | 0.0 | 15.8 |

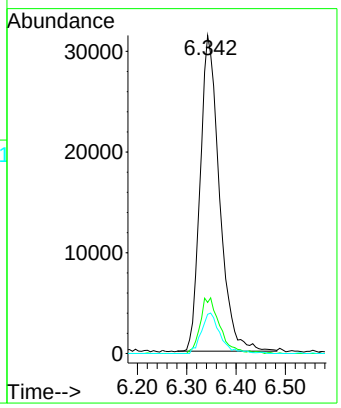





#43
Isopropyl Acetate
Concen: 19.301 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 84866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.7 | 14.2 | 21.2 |
| 87 | 12.5 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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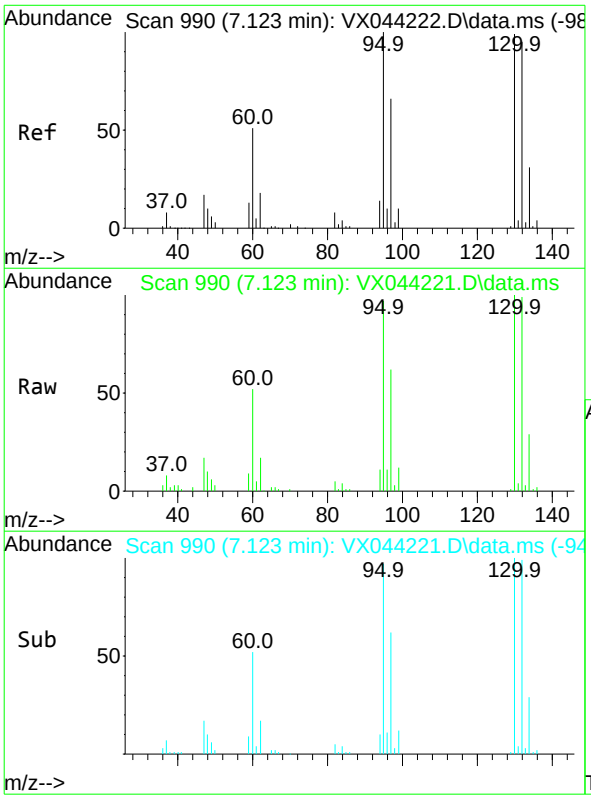
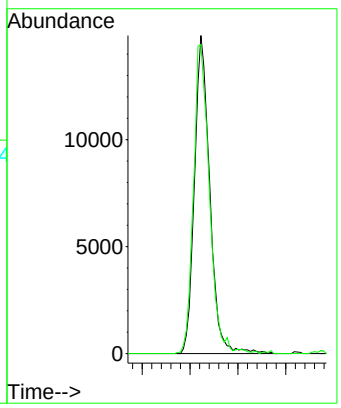
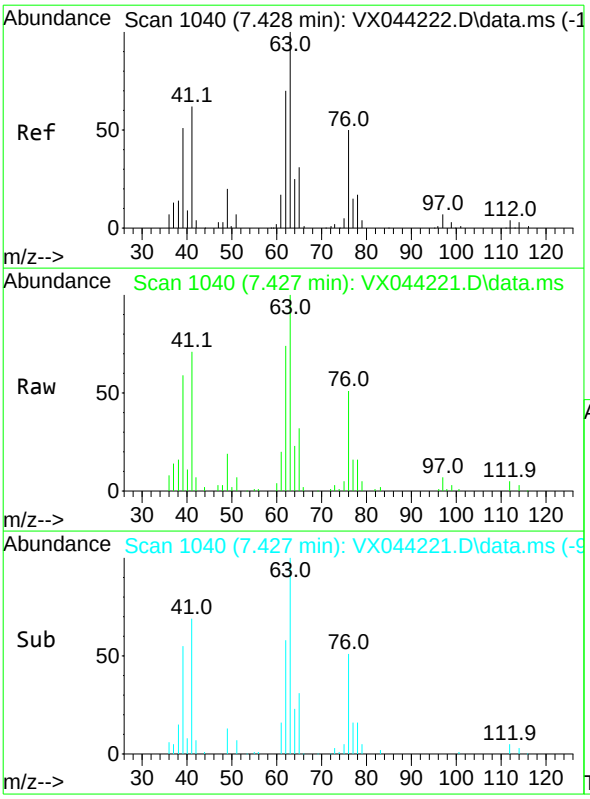



#44
Trichloroethene
Concen: 19.149 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:130 Resp: 32995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.1 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 19.025 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

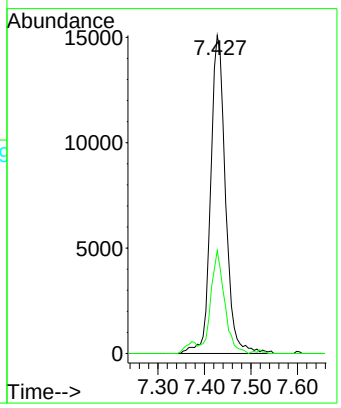
Tgt Ion: 63 Resp: 33585

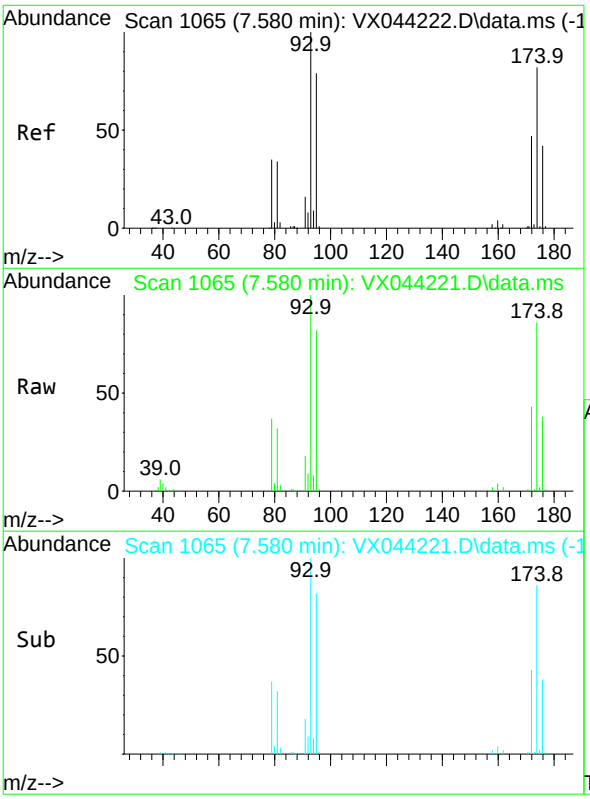
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.4 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

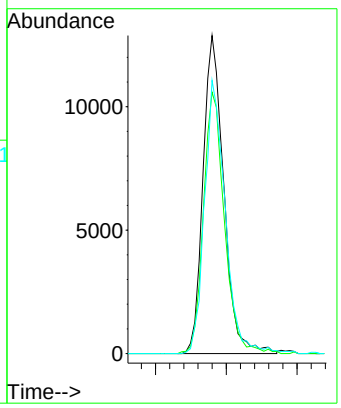


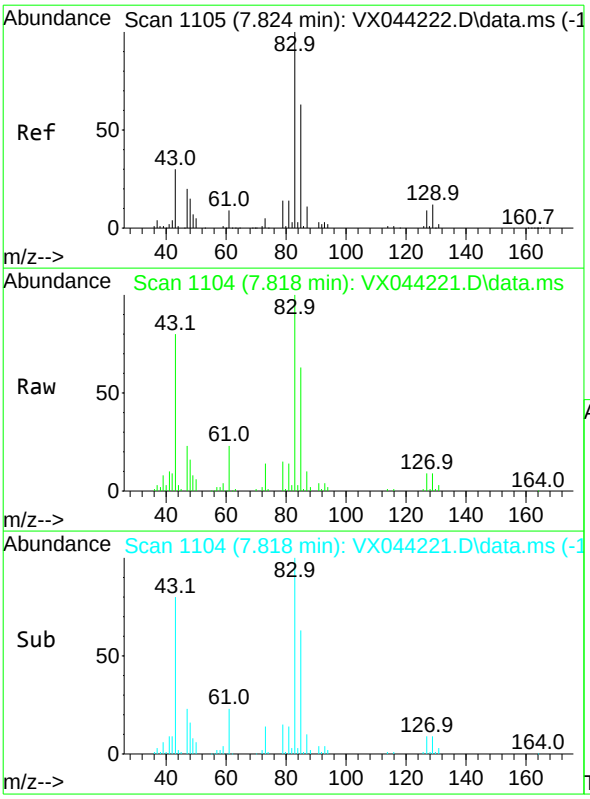




#46
Dibromomethane
Concen: 19.199 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 93 Resp: 26293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 65.4 | 98.2 |
| 174 | 86.1 | 67.9 | 101.9 |

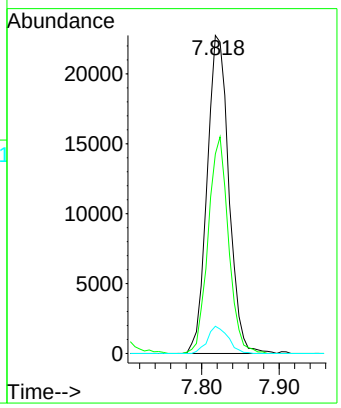





#47
Bromodichloromethane
Concen: 18.735 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 44312

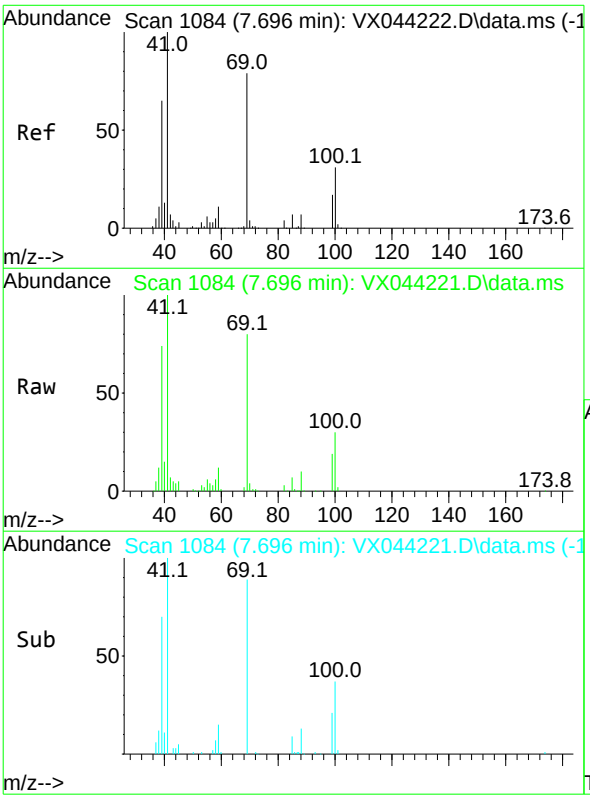
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.7 | 50.6 | 75.8 |
| 127 | 8.6 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

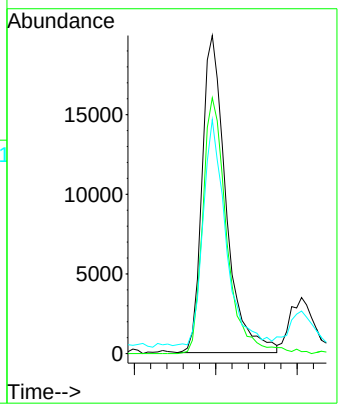
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

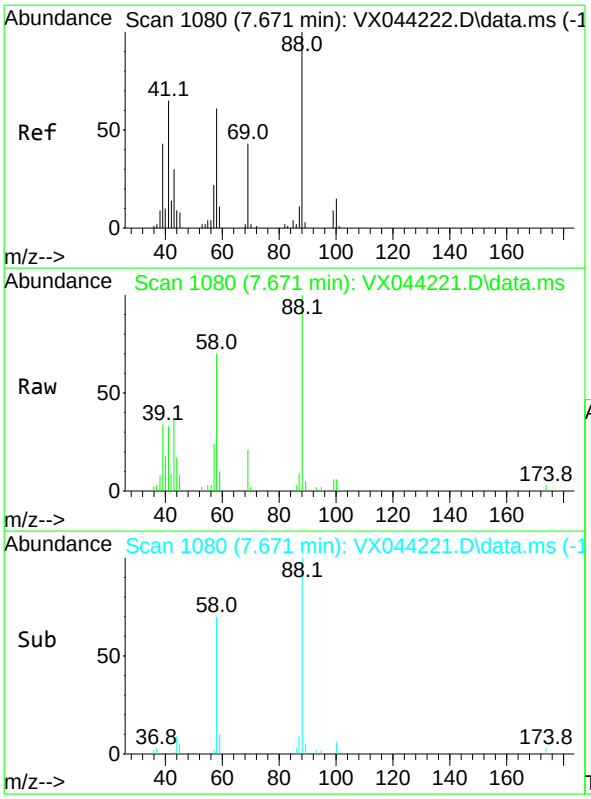



#48
Methyl methacrylate
Concen: 19.032 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 40620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.5 | 62.4 | 93.6 |
| 39 | 67.5 | 53.3 | 79.9 |

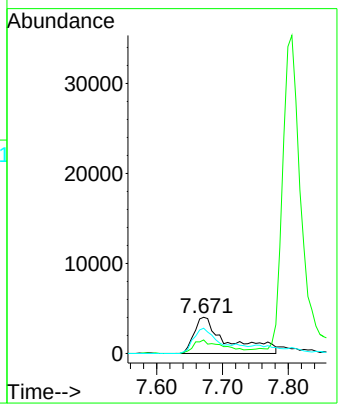





#49
1,4-Dioxane
Concen: 391.518 ug/l m
RT: 7.671 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 88 Resp: 14281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 34.0 | 27.1 | 40.7 |
| 58 | 49.5 | 41.0 | 61.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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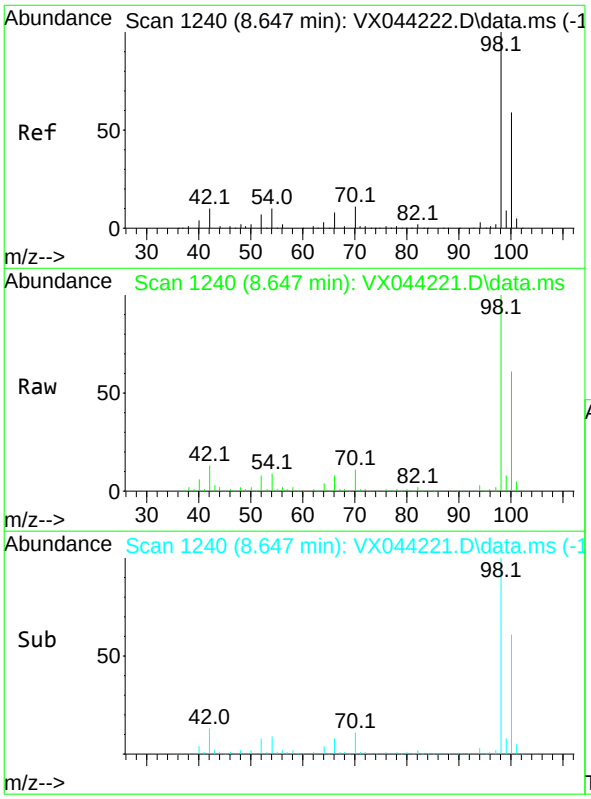
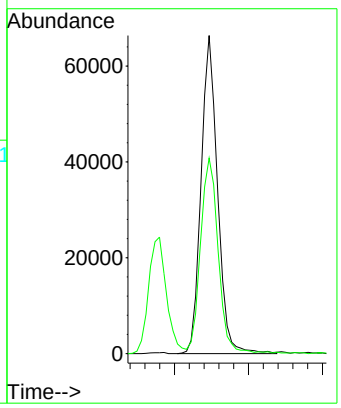
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

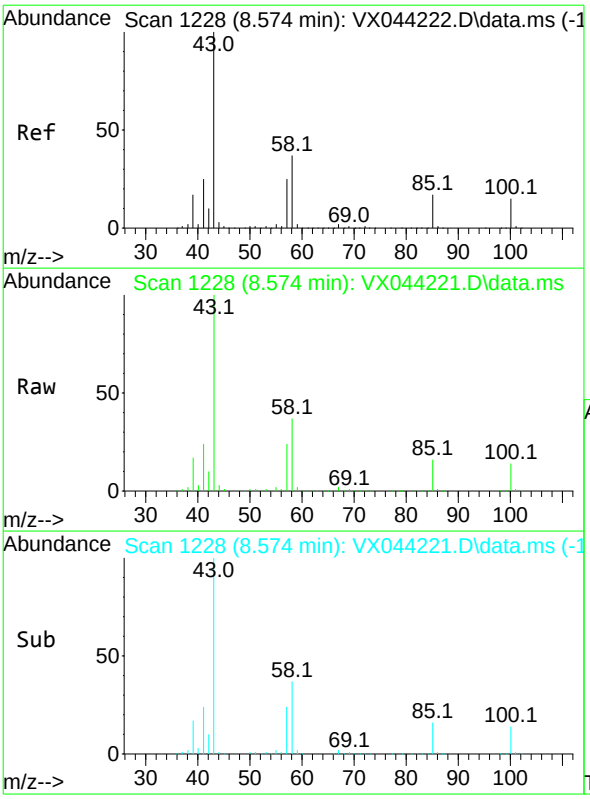



#50
Toluene-d8
Concen: 17.284 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 98 Resp: 102660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 51.5 | 77.3 |






#51
4-Methyl-2-Pentanone
Concen: 98.429 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 278267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.6 | 29.4 | 44.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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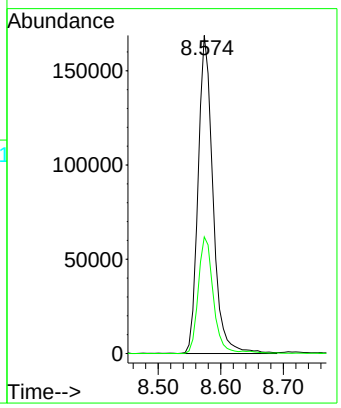
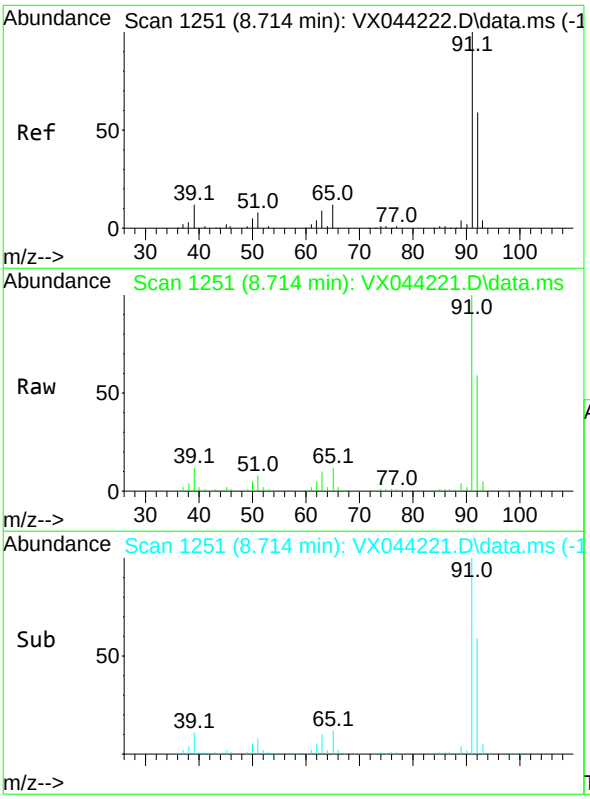
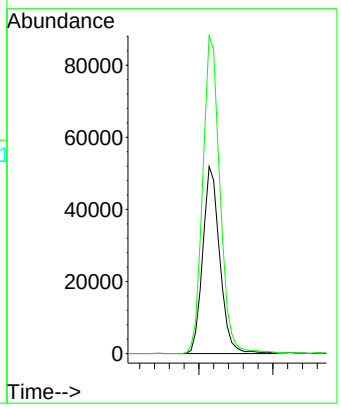


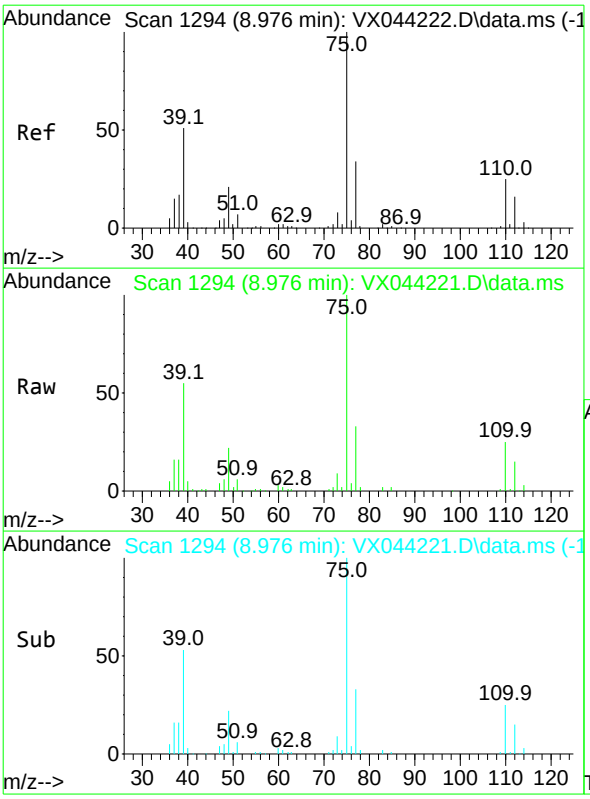




#52
Toluene
Concen: 19.113 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 92 Resp: 82934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.9 | 137.0 | 205.6 |

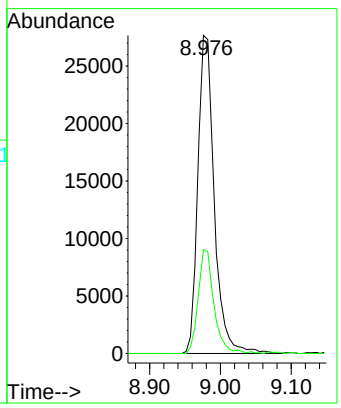





#53
t-1,3-Dichloropropene
Concen: 18.785 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 44614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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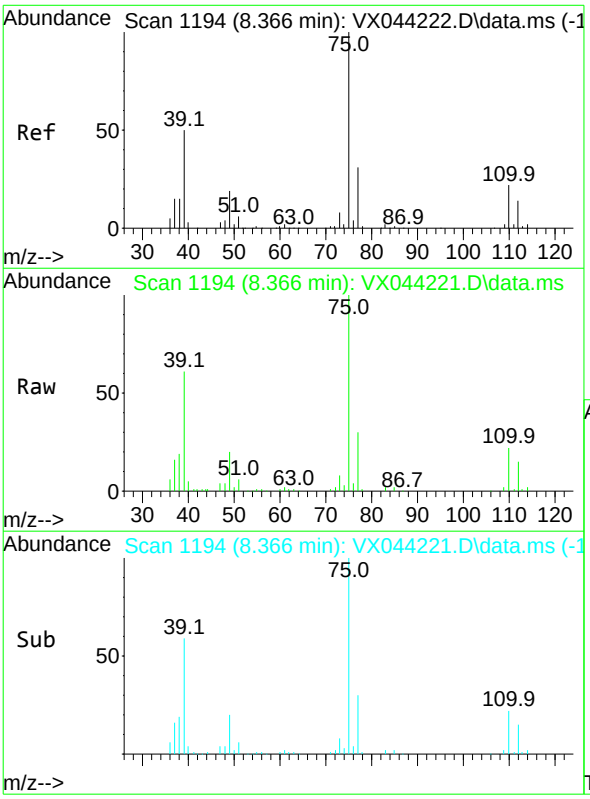
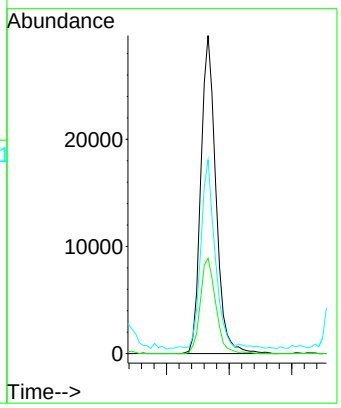
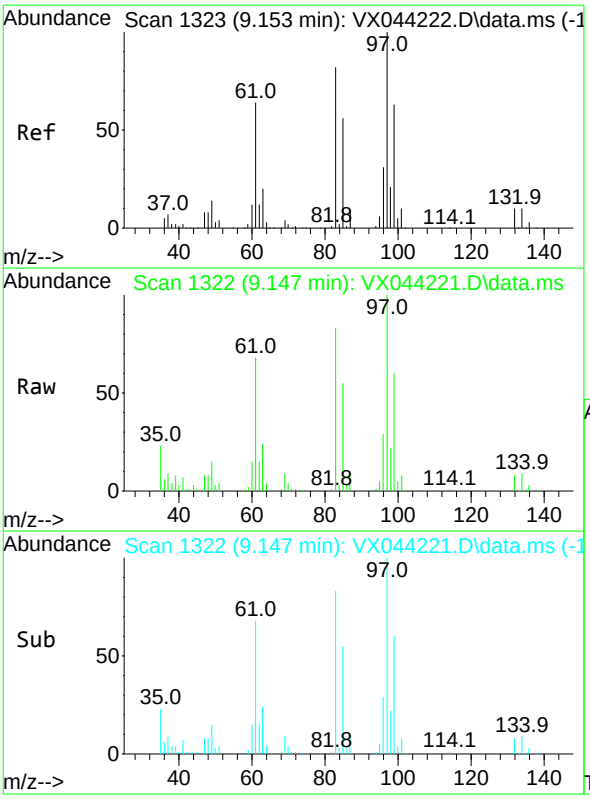



#54
cis-1,3-Dichloropropene
Concen: 19.258 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 49596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.0 | 24.7 | 37.1 |
| 39 | 59.4 | 40.3 | 60.5 |

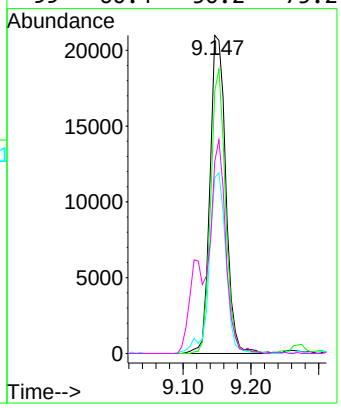





#55
1,1,2-Trichloroethane
Concen: 19.732 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 97 Resp: 34013

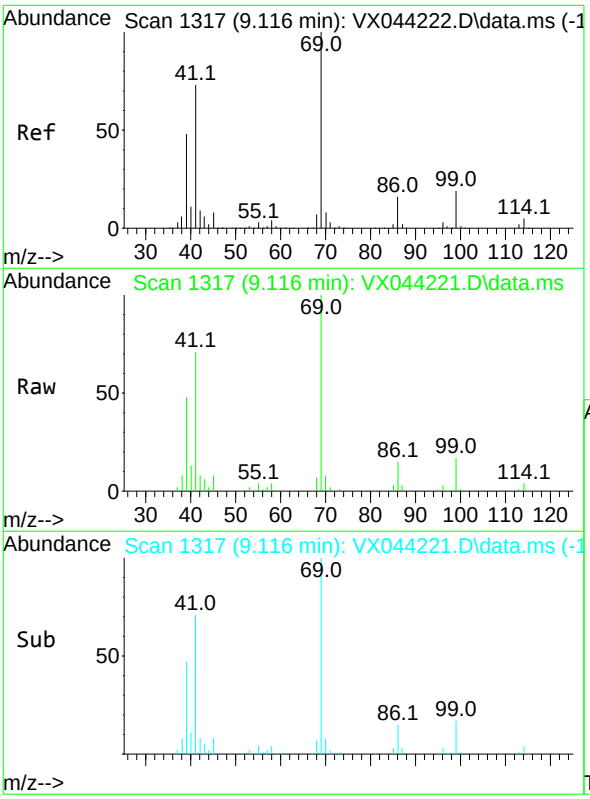
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 82.6 | 65.3 | 97.9 |
| 85 | 55.3 | 44.6 | 67.0 |
| 99 | 60.4 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

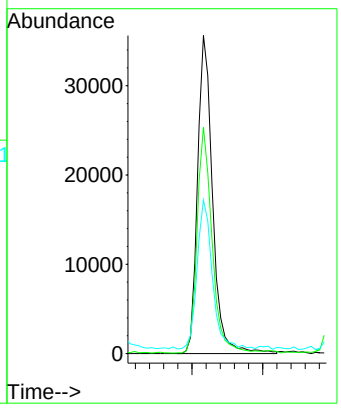
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

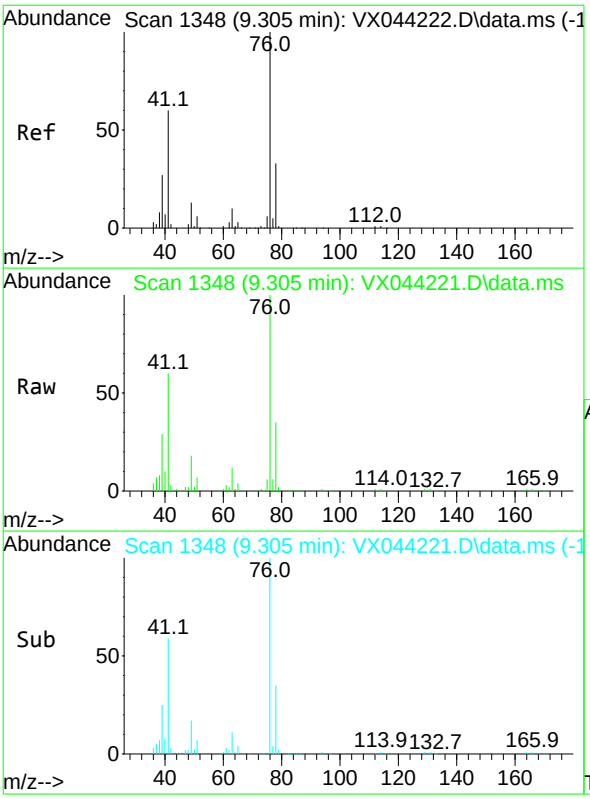



#56
Ethyl methacrylate
Concen: 19.318 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 69 Resp: 52571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.3 | 56.6 | 85.0 |
| 39 | 47.8 | 37.4 | 56.0 |

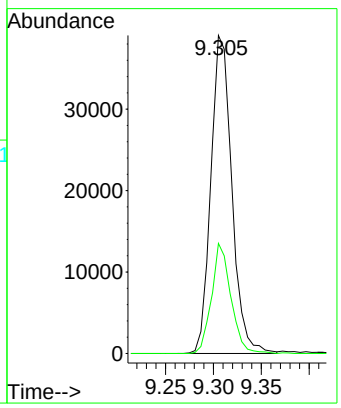





#57
1,3-Dichloropropane
Concen: 19.827 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 76 Resp: 59489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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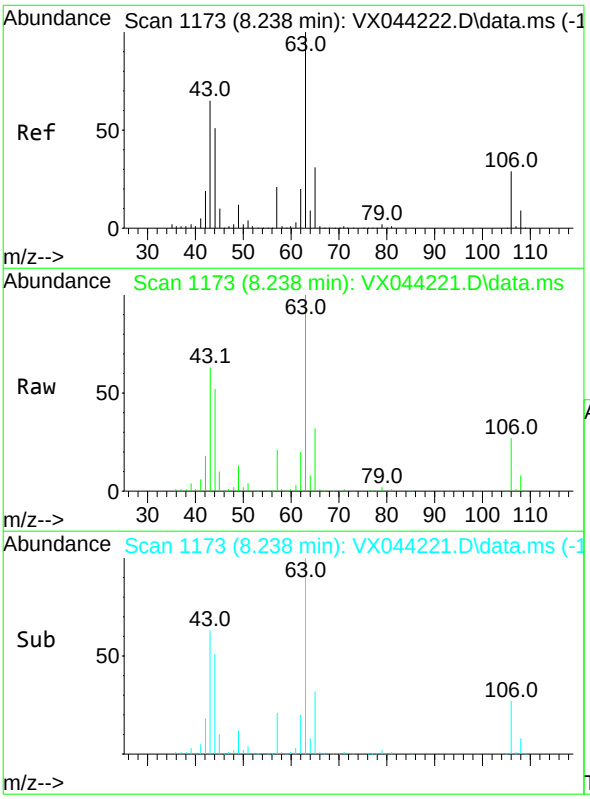
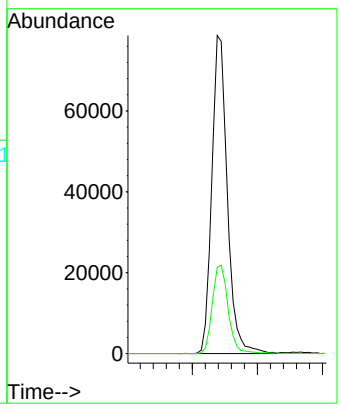
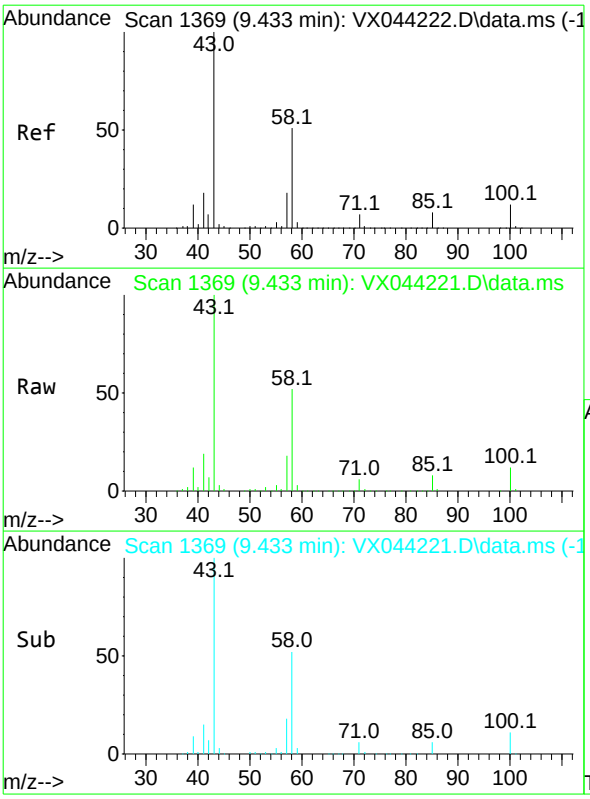



#58
2-Chloroethyl Vinyl ether
Concen: 94.642 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 63 Resp: 129900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.8 | 34.2 |

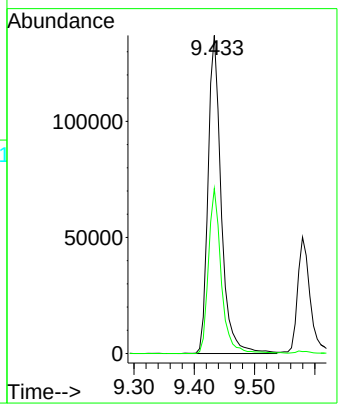





#59
2-Hexanone
Concen: 101.440 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 207578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.4 | 25.7 | 77.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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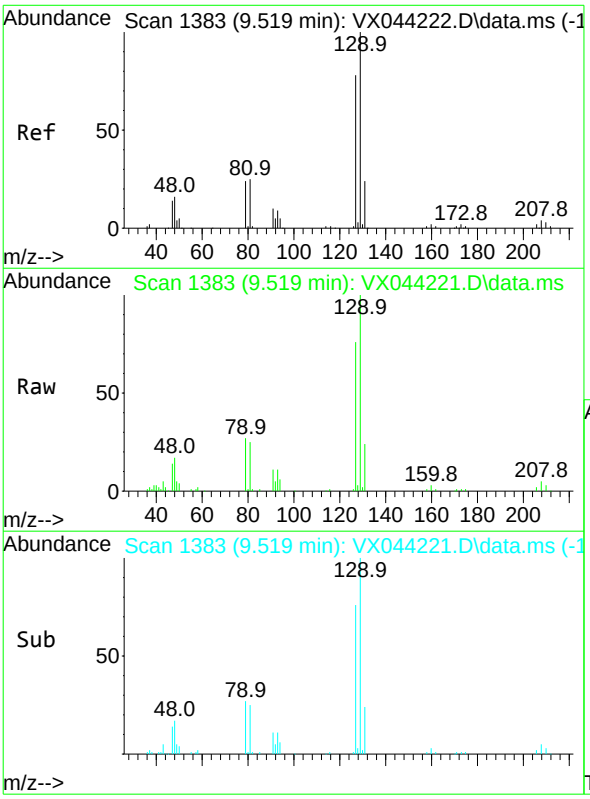
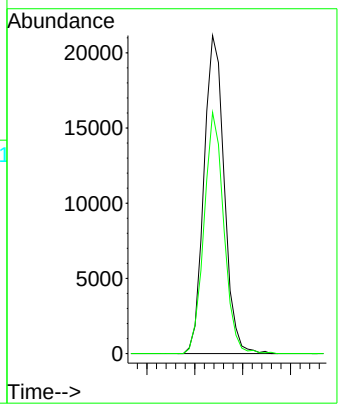
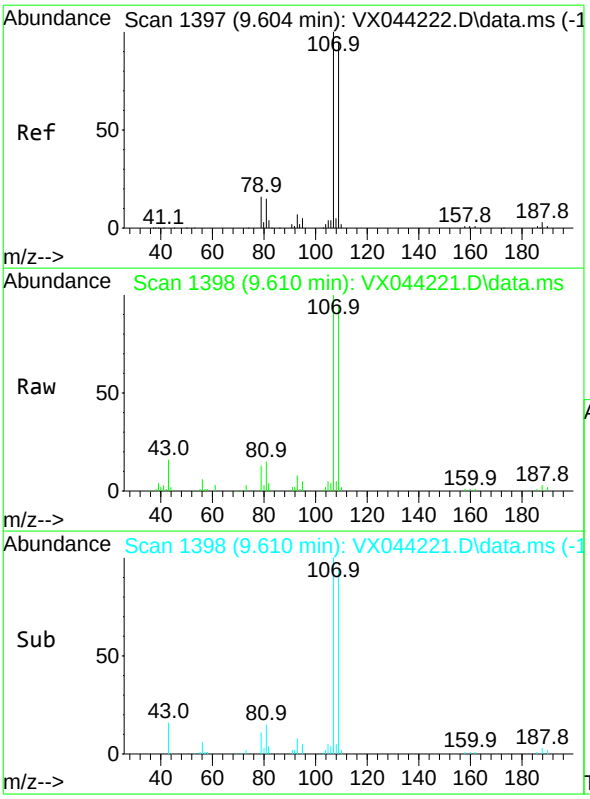



#60
Dibromochloromethane
Concen: 18.318 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:129 Resp: 31066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 74.1 | 38.5 | 115.3 |

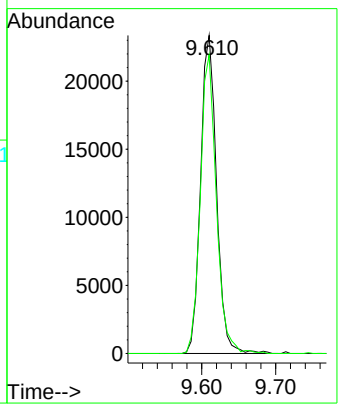





#61
1,2-Dibromoethane
Concen: 19.935 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:107 Resp: 34978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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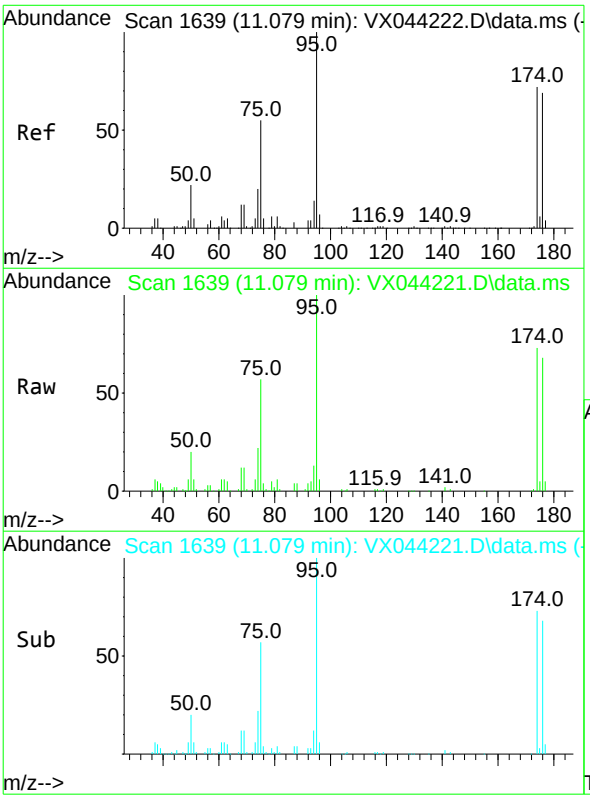
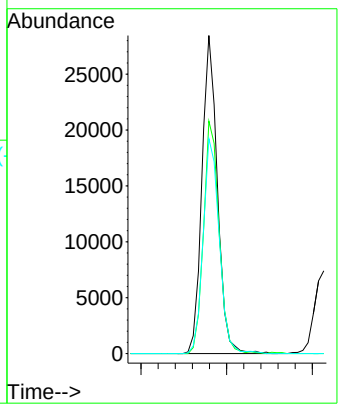
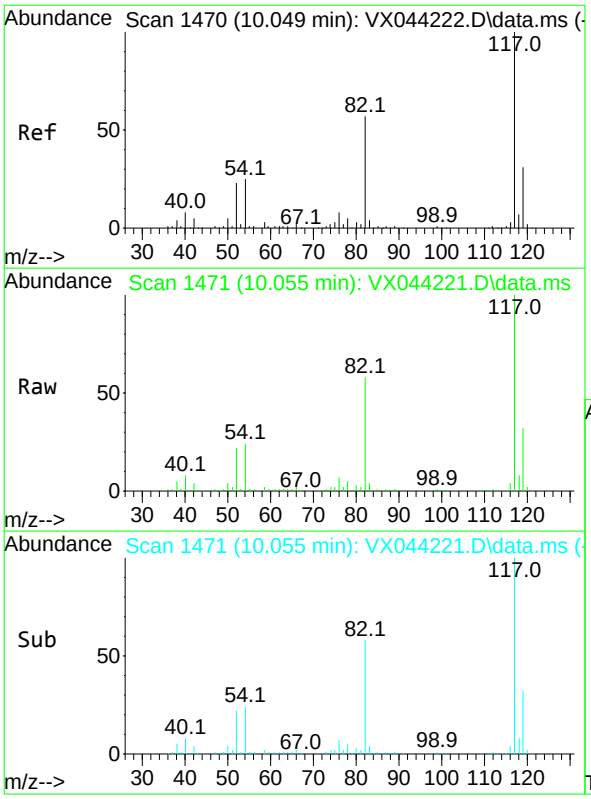



#62
4-Bromofluorobenzene
Concen: 17.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 95 Resp: 35645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.3 | 0.0 | 145.8 |
| 176 | 70.5 | 0.0 | 137.8 |

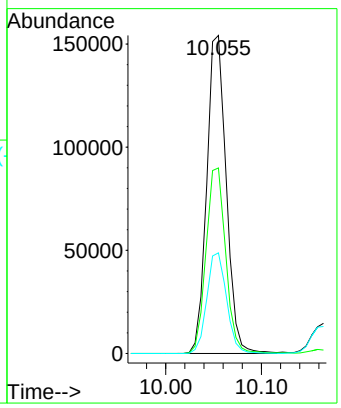





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 218148

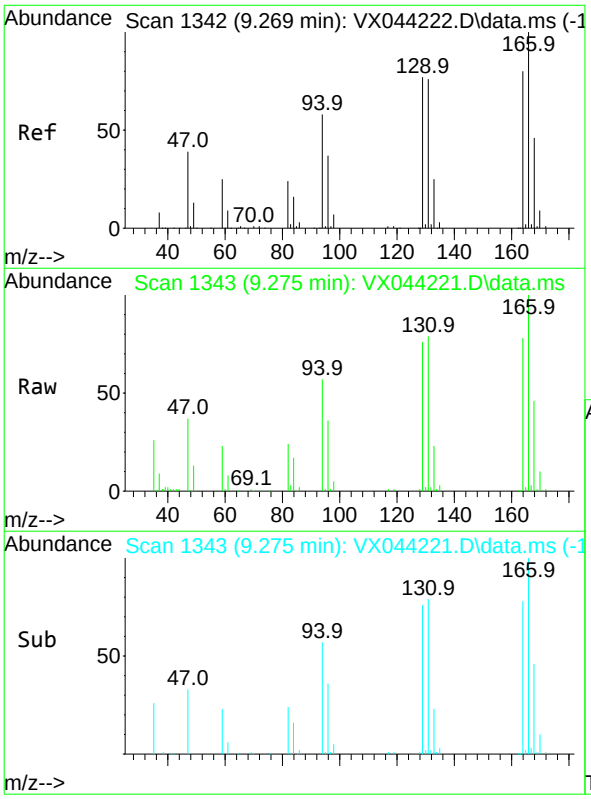
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 45.8 | 68.8 |
| 119 | 31.6 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

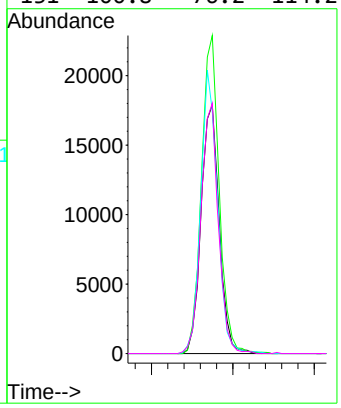
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

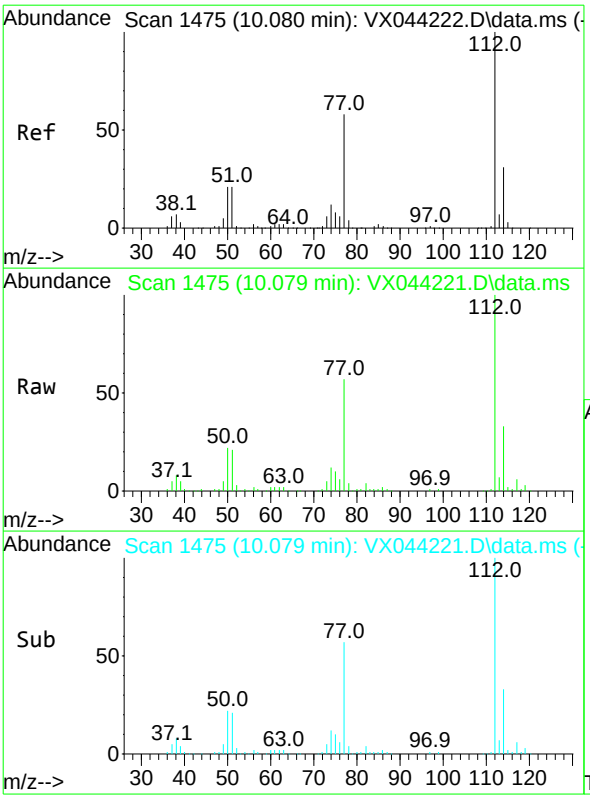



#64
Tetrachloroethene
Concen: 19.133 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:164 Resp: 27702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.0 | 100.4 | 150.6 |
| 129 | 97.5 | 77.2 | 115.8 |
| 131 | 100.8 | 76.2 | 114.2 |

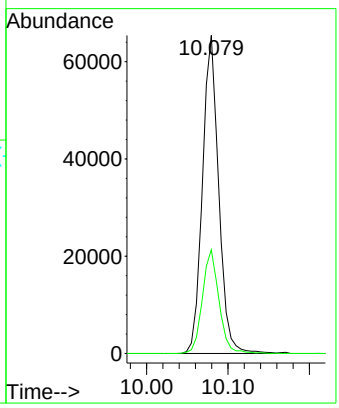





#65
Chlorobenzene
Concen: 19.389 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:112 Resp: 90631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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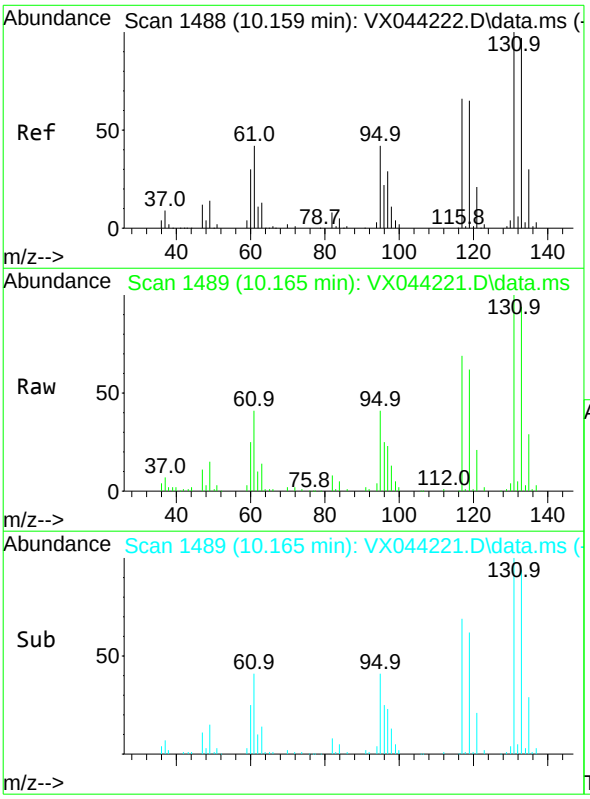
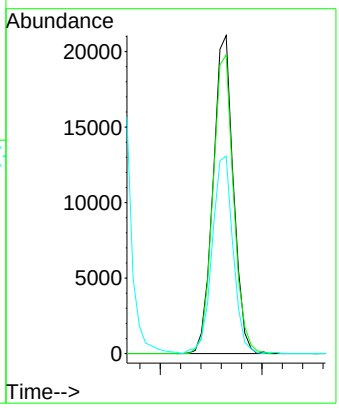
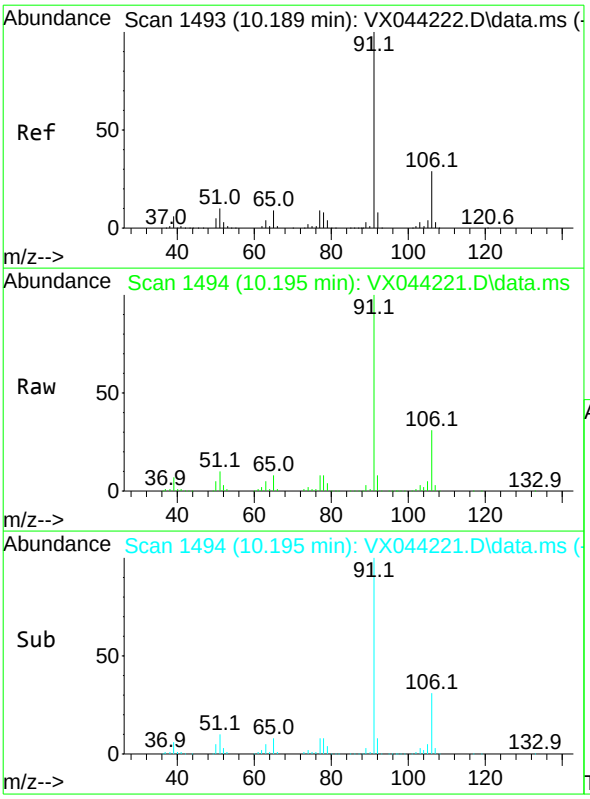



#66
1,1,1,2-Tetrachloroethane
Concen: 19.392 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:131 Resp: 29132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.8 | 47.3 | 141.8 |
| 119 | 64.0 | 31.6 | 95.0 |

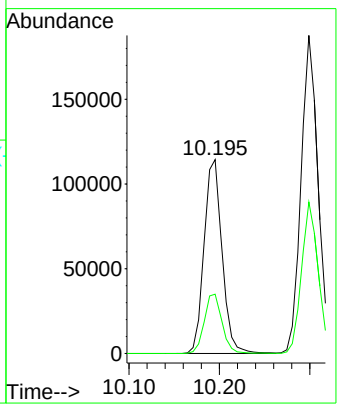





#67
Ethyl Benzene
Concen: 19.619 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 158455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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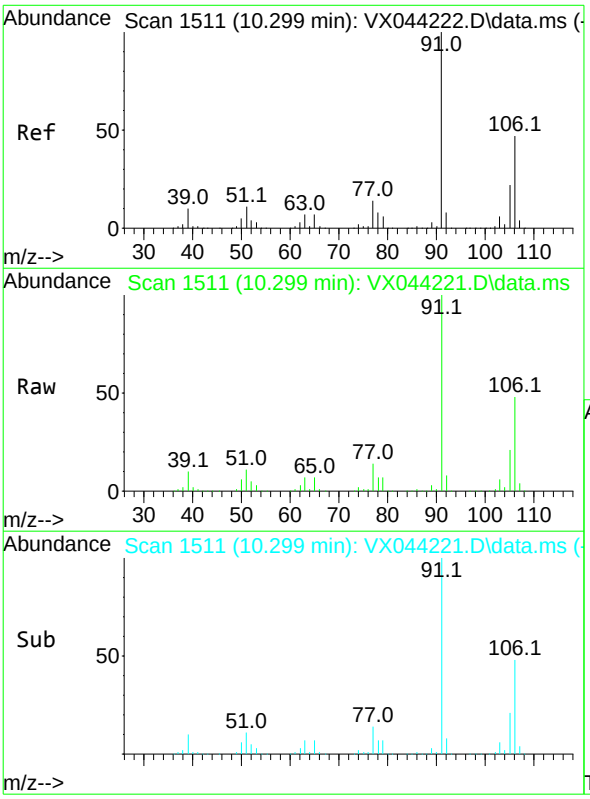
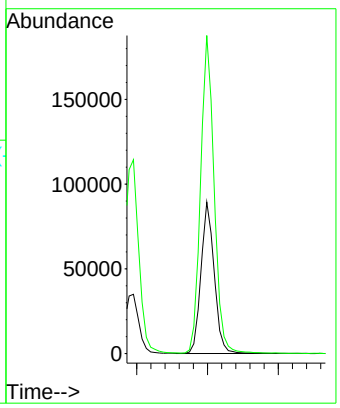
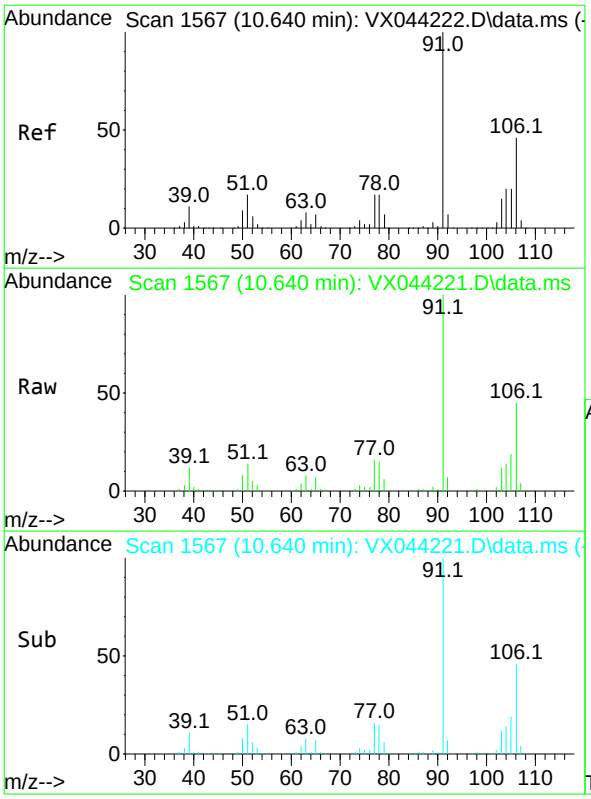



#68
m/p-Xylenes
Concen: 39.183 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:106 Resp: 116126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.5 | 170.2 | 255.2 |

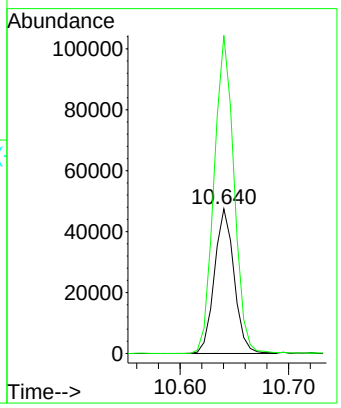





#69
o-Xylene
Concen: 19.938 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:106 Resp: 59787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.6 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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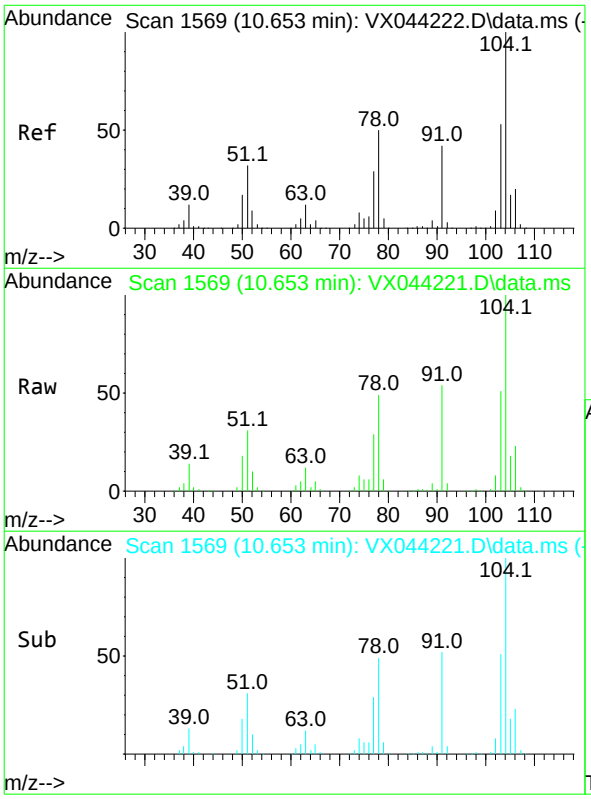
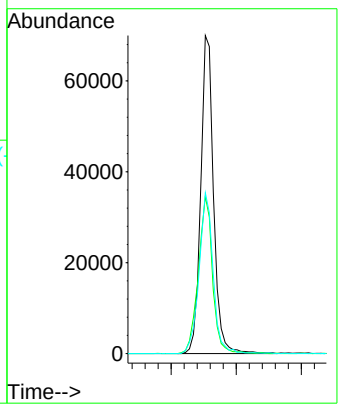
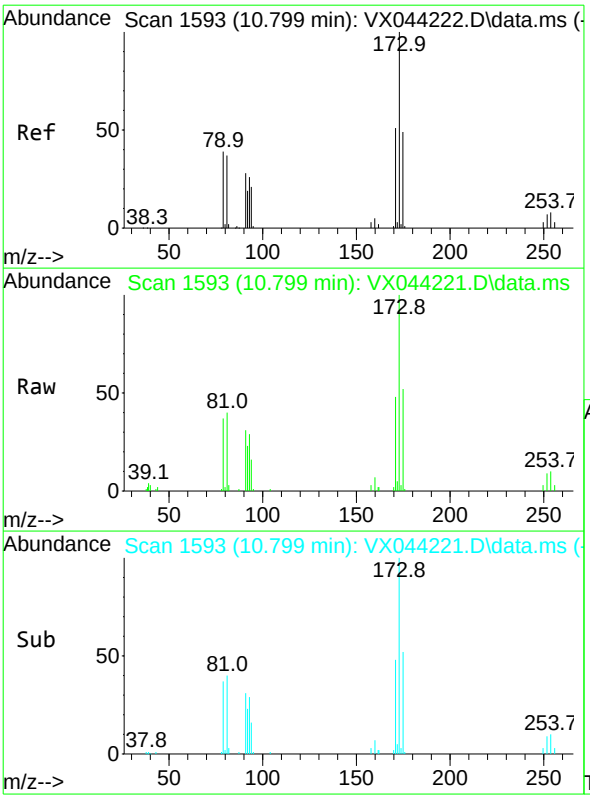



#70
Styrene
Concen: 19.946 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:104 Resp: 95883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.7 | 44.6 | 67.0 |
| 103 | 55.2 | 45.4 | 68.0 |

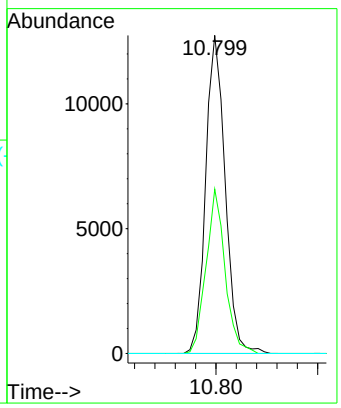





#71
Bromoform
Concen: 18.112 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:173 Resp: 16924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.5 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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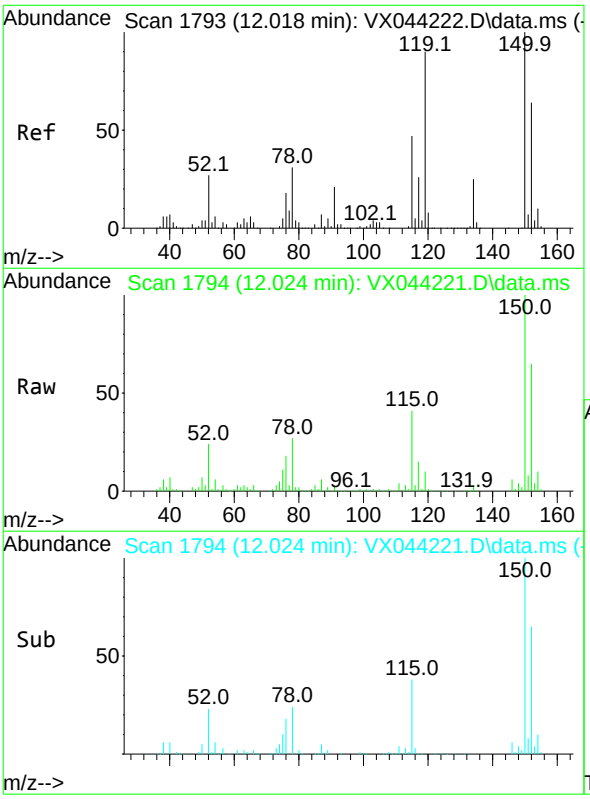
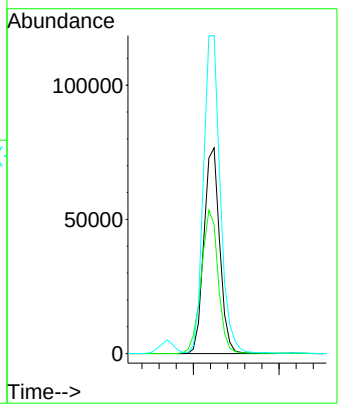
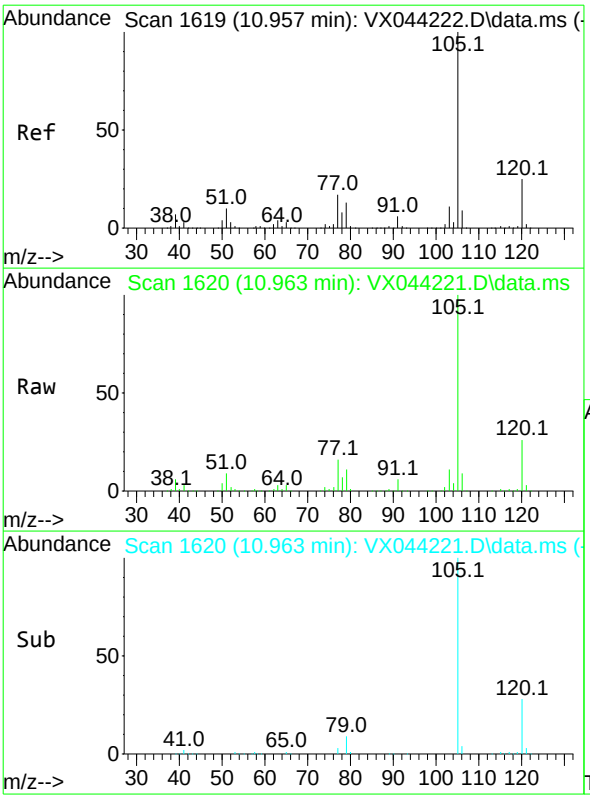



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:152 Resp: 98180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 74.8 | 44.5 | 133.3 |
| 150 | 164.2 | 0.0 | 353.8 |

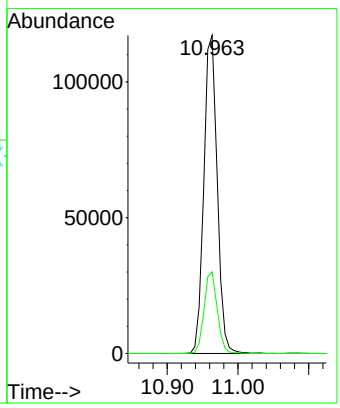





#73
Isopropylbenzene
Concen: 20.481 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 153935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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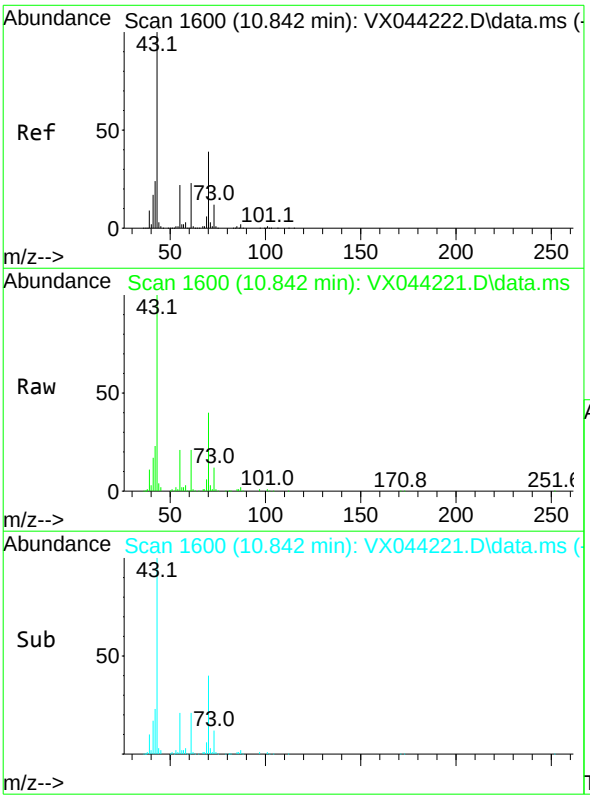
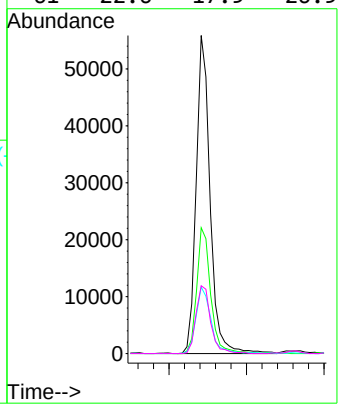
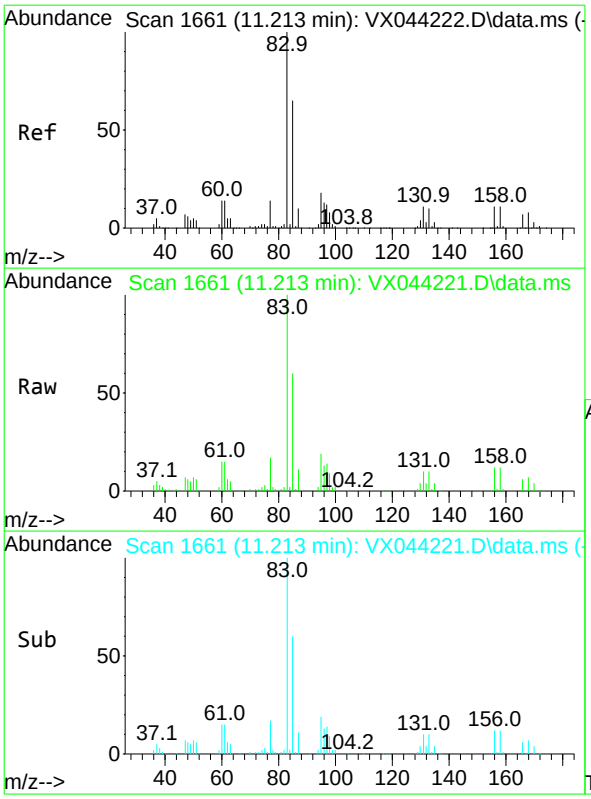



#74
N-amyl acetate
Concen: 20.049 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 69643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.8 | 31.9 | 47.9 |
| 55 | 22.8 | 17.9 | 26.9 |
| 61 | 22.6 | 17.9 | 26.9 |

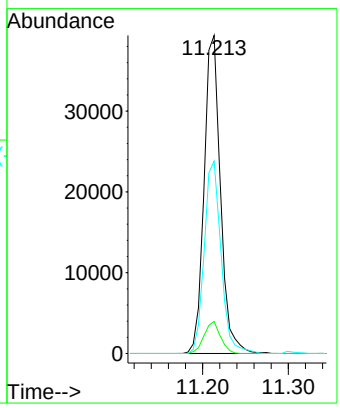





#75
1,1,2,2-Tetrachloroethane
Concen: 20.039 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 52312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.4 |
| 85 | 62.1 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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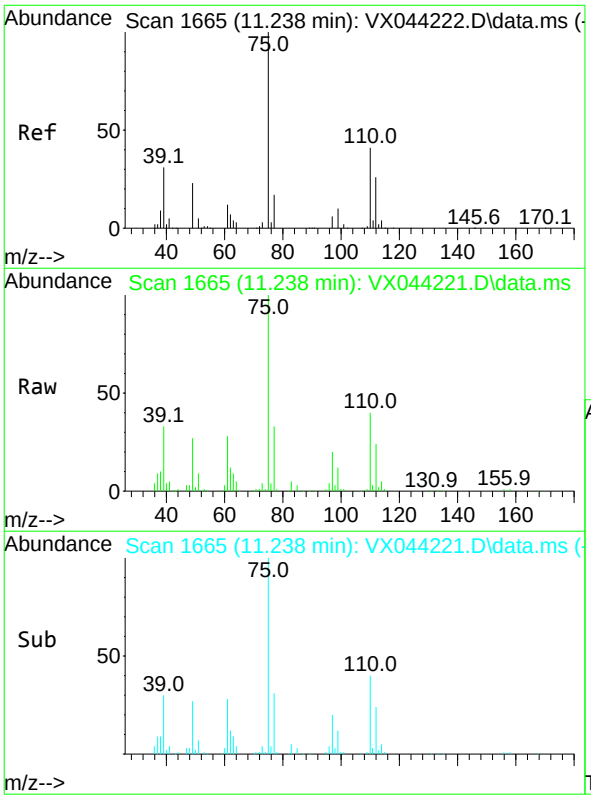
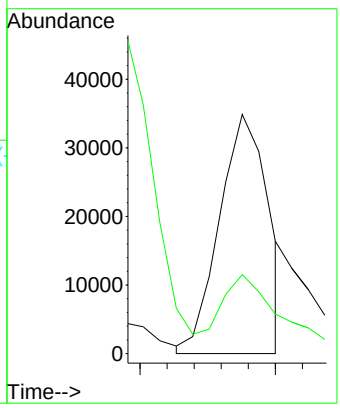
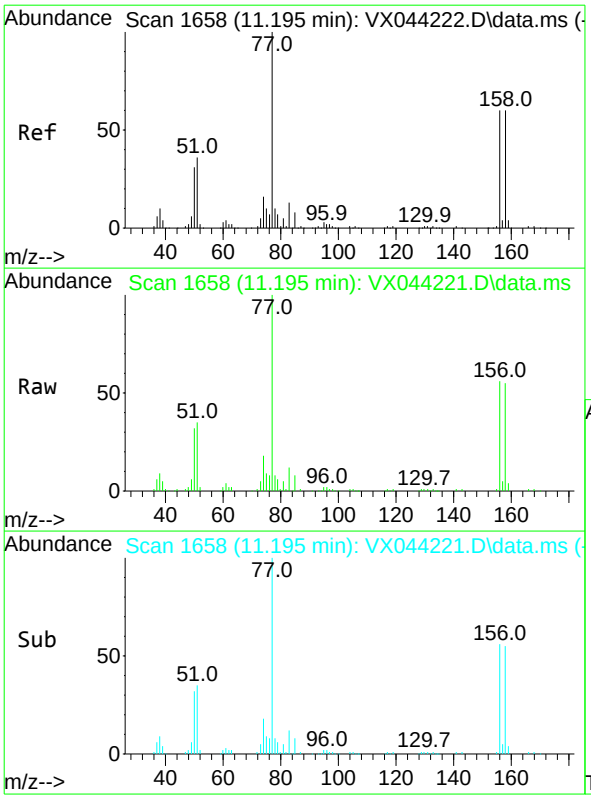



#76
1,2,3-Trichloropropane
Concen: 19.627 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 43726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.1 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 19.176 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:156 Resp: 34951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.4 | 82.6 | 247.8 |
| 158 | 98.1 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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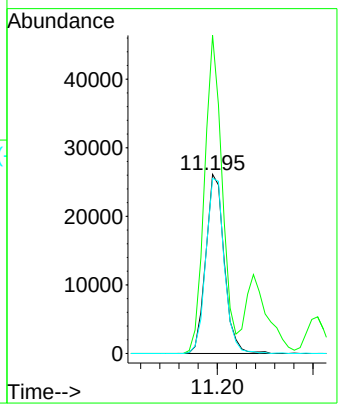
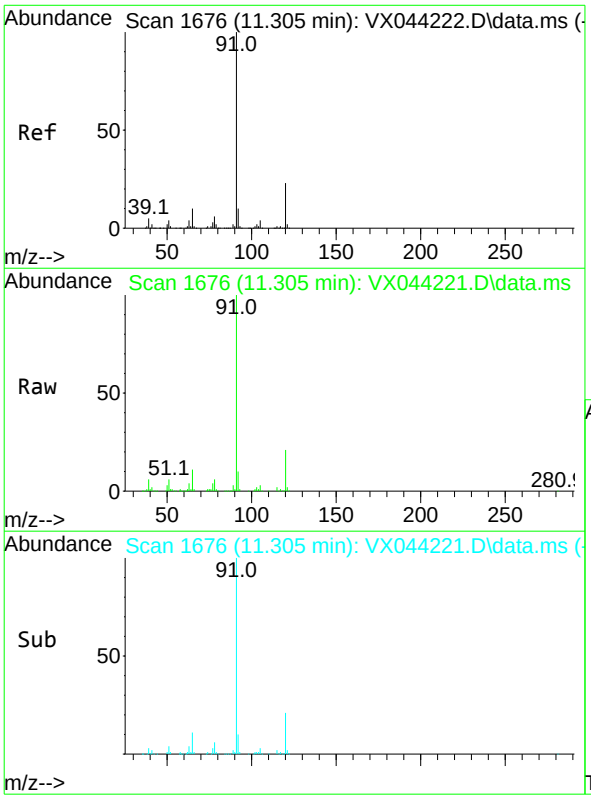
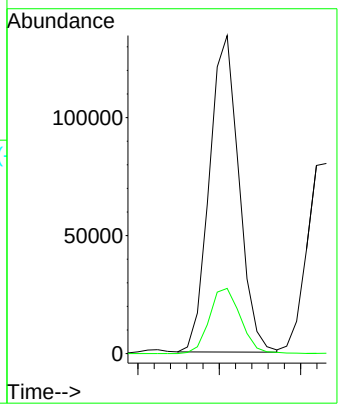


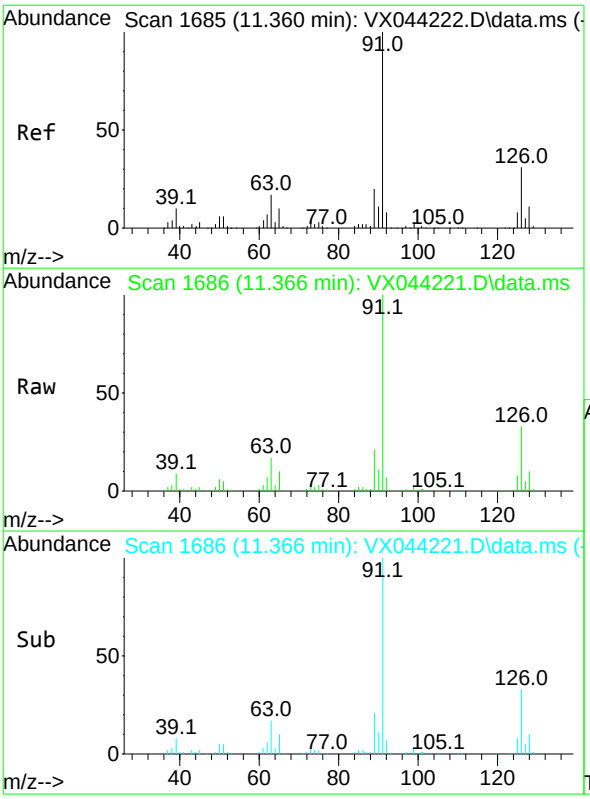




#78
n-propylbenzene
Concen: 20.419 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 169622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.8 | 11.0 | 33.0 |

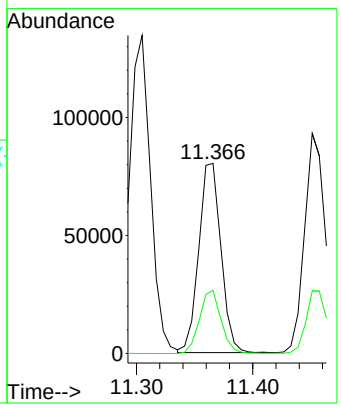





#79
2-Chlorotoluene
Concen: 19.788 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 106310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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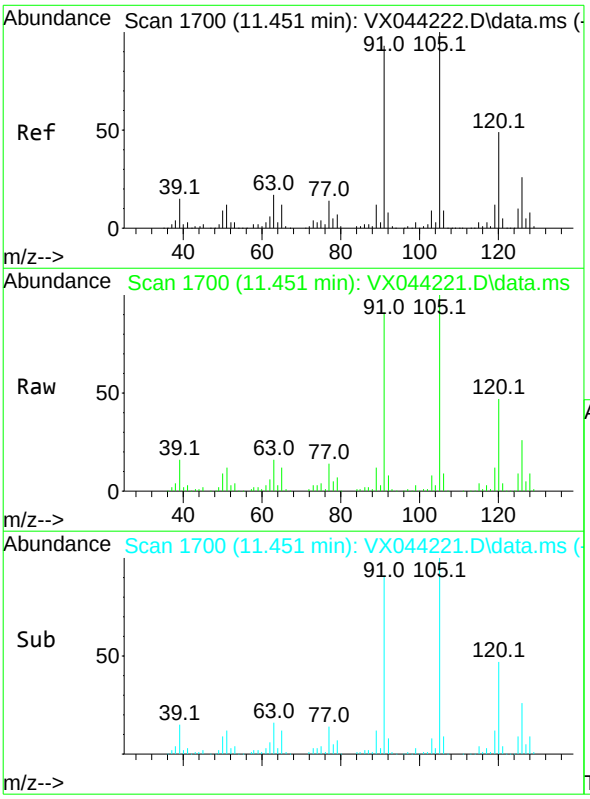
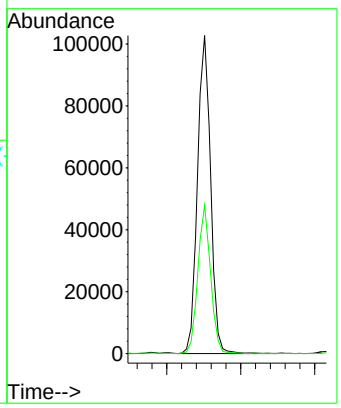
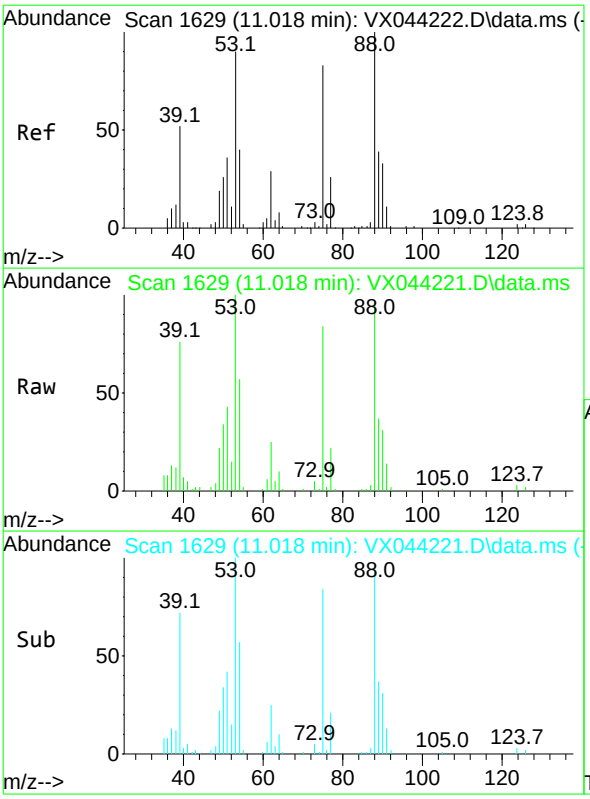



#80
1,3,5-Trimethylbenzene
Concen: 20.315 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 126626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.4 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 19.264 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

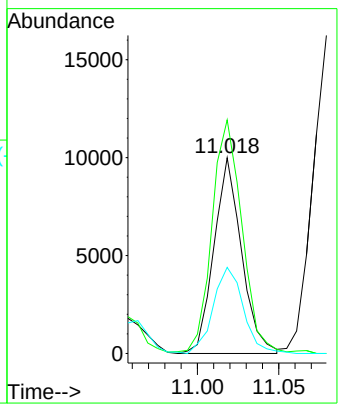
Tgt Ion: 75 Resp: 11784

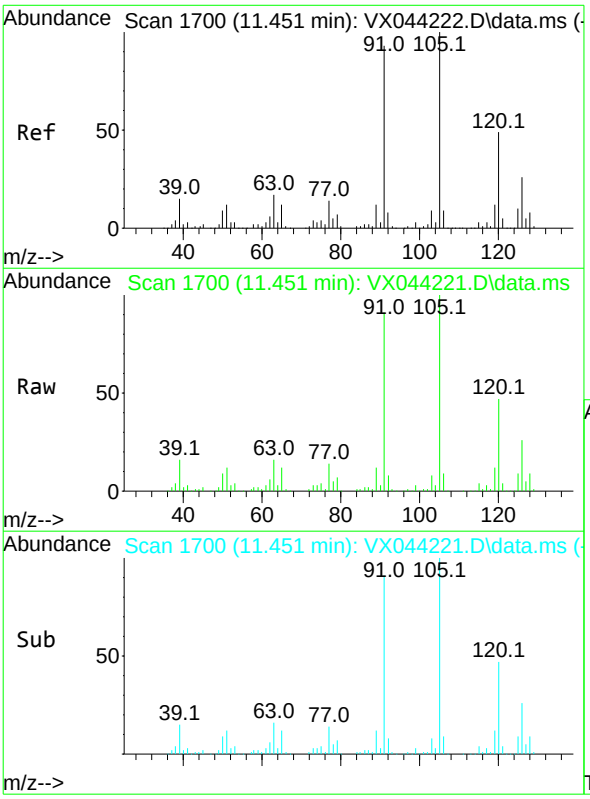
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 130.8 | 93.6 | 140.4 |
| 89 | 48.1 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

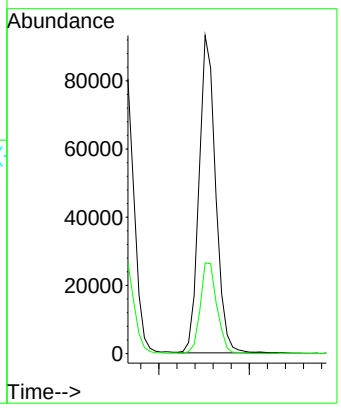


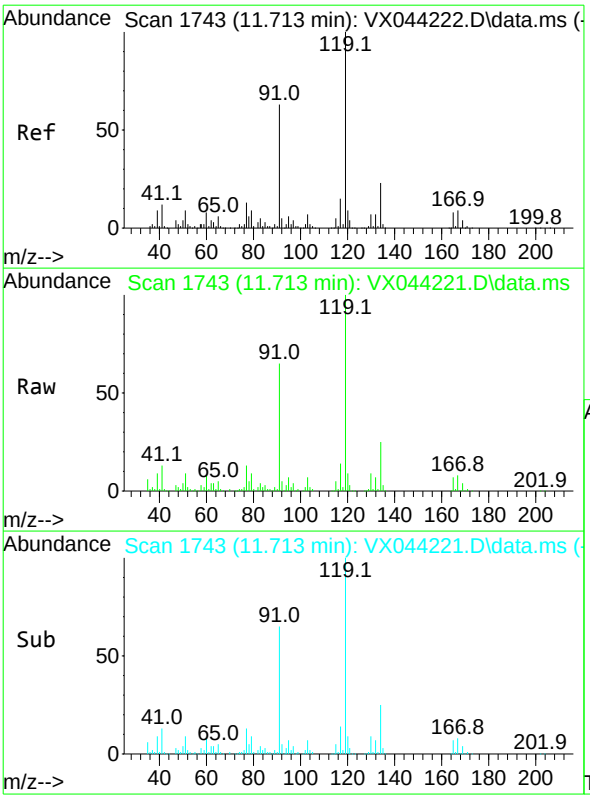




#82
4-Chlorotoluene
Concen: 19.886 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 118309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.9 | 14.5 | 43.5 |

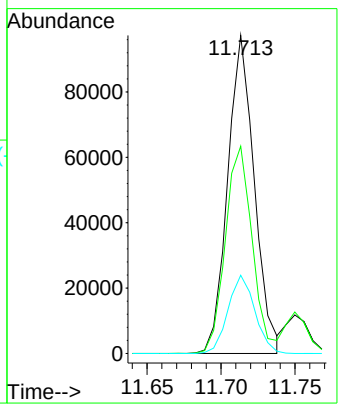





#83
tert-Butylbenzene
Concen: 19.794 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:119 Resp: 121929

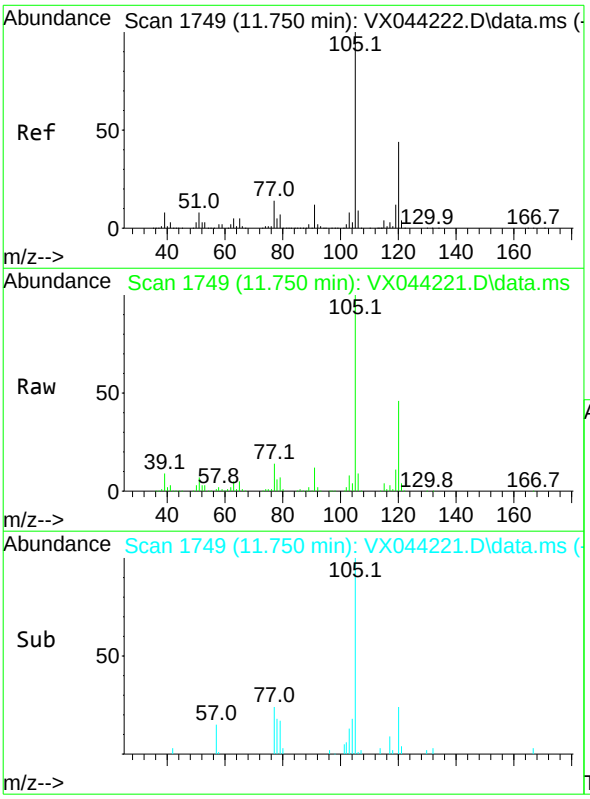
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.0 | 30.9 | 92.5 |
| 134 | 24.8 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

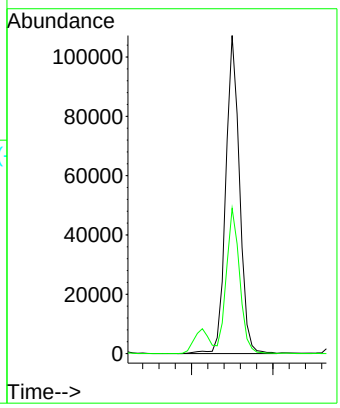
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

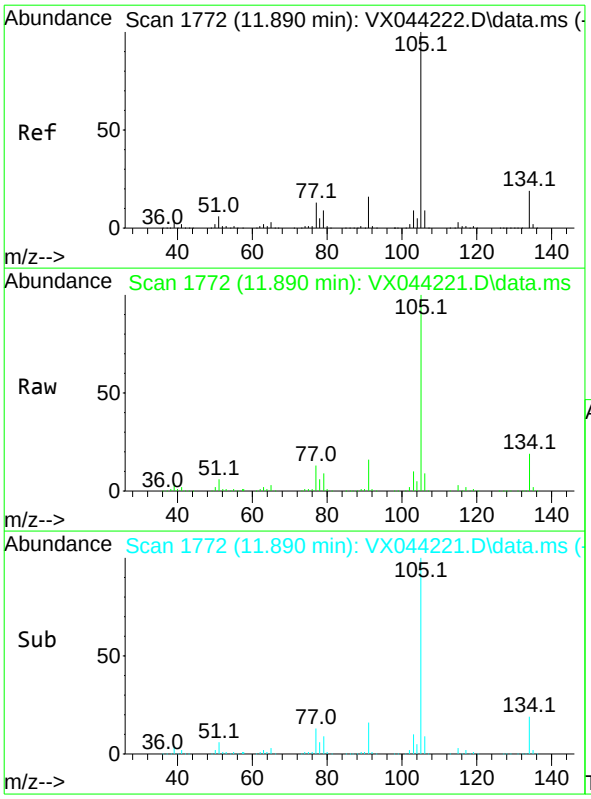



#84
1,2,4-Trimethylbenzene
Concen: 20.574 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 125939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 21.7 | 65.1 |

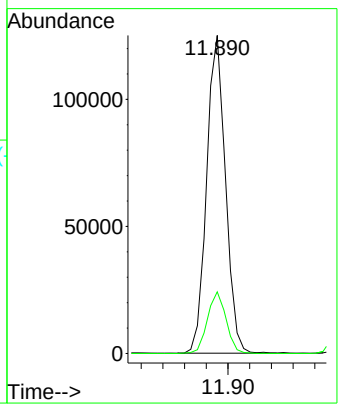





#85
sec-Butylbenzene
Concen: 20.165 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 150795

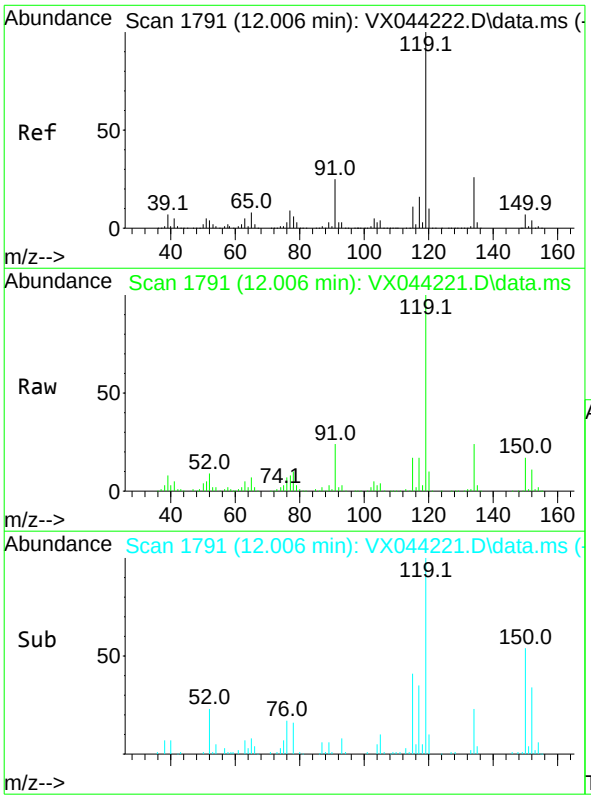
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.2 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

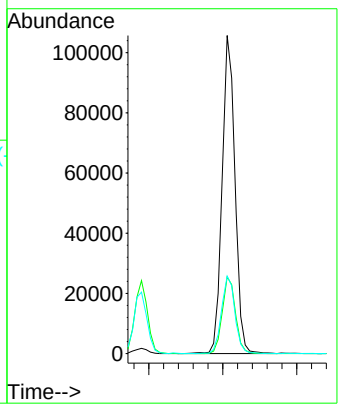
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

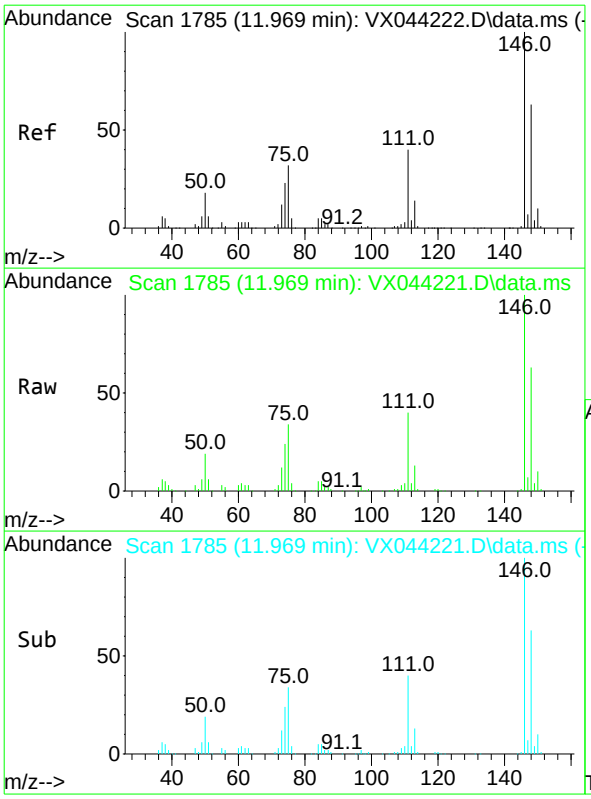



#86
p-Isopropyltoluene
Concen: 20.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:119 Resp: 127790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.6 | 12.8 | 38.4 |
| 91 | 25.4 | 13.0 | 39.0 |

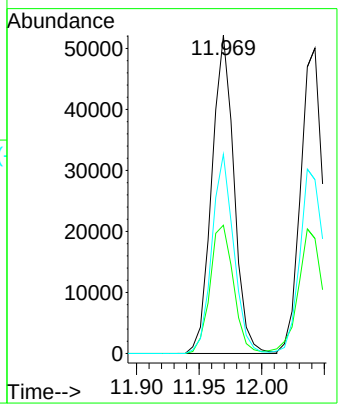





#87
1,3-Dichlorobenzene
Concen: 20.228 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:146 Resp: 64399

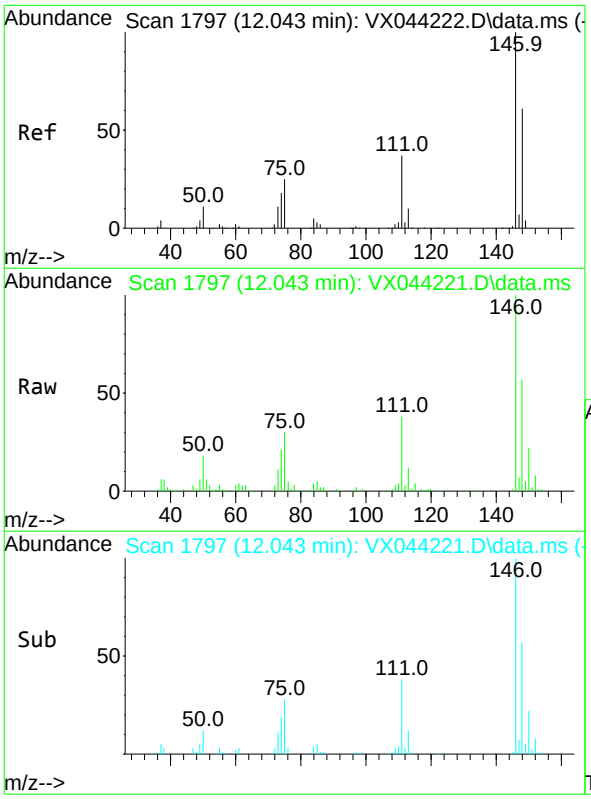
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.4 | 64.2 |
| 148 | 61.4 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

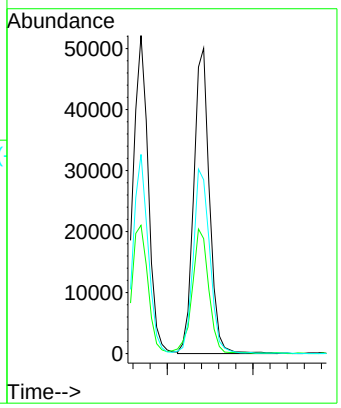
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

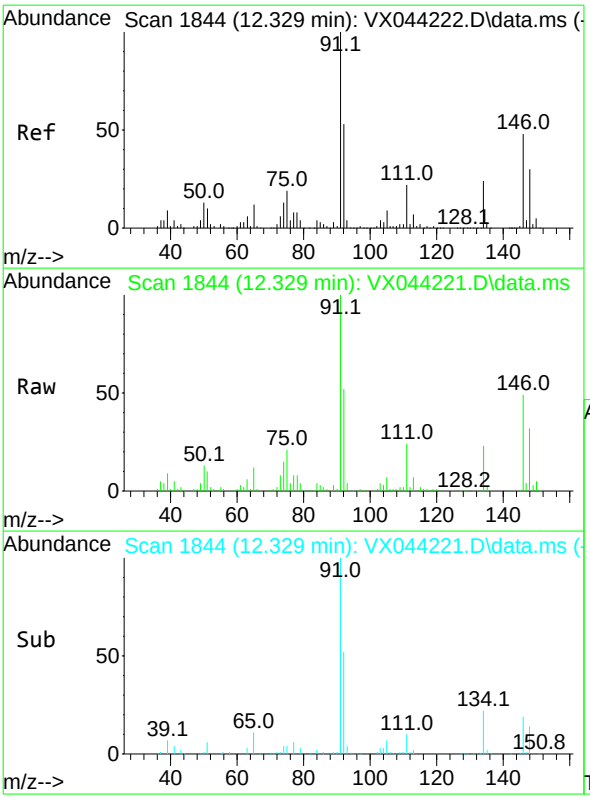



#88
1,4-Dichlorobenzene
Concen: 19.588 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:146 Resp: 64106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 21.0 | 63.0 |
| 148 | 63.2 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 19.950 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

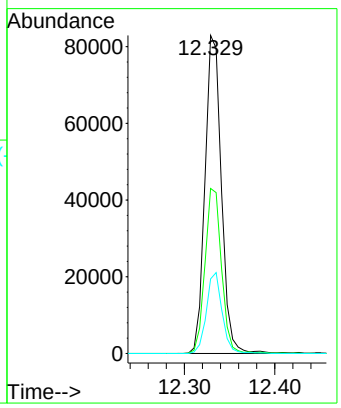
Tgt Ion: 91 Resp: 104410

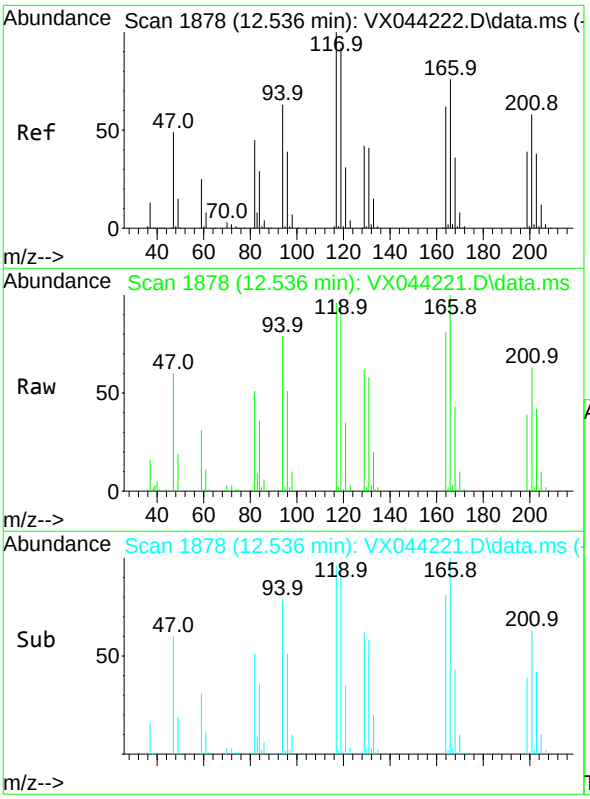
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 26.6 | 79.7 |
| 134 | 24.4 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

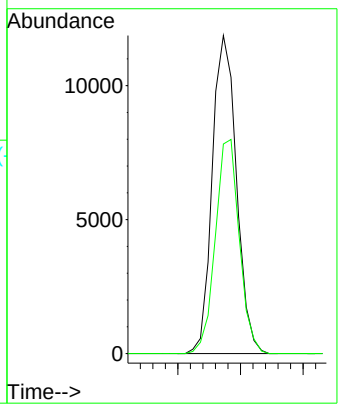


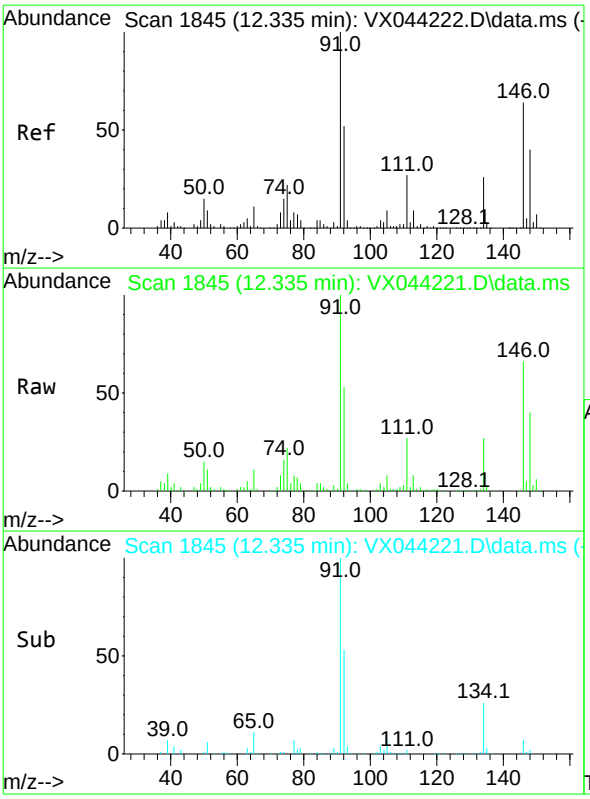




#90
Hexachloroethane
Concen: 17.543 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 15939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.8 | 31.4 | 94.2 |






#91
1,2-Dichlorobenzene
Concen: 19.817 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

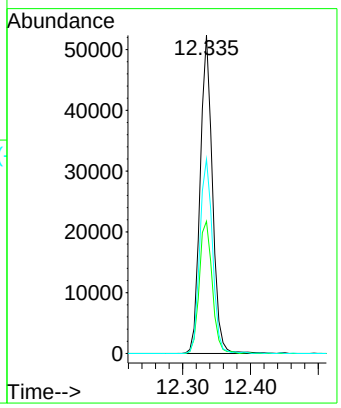
Tgt Ion:146 Resp: 65511

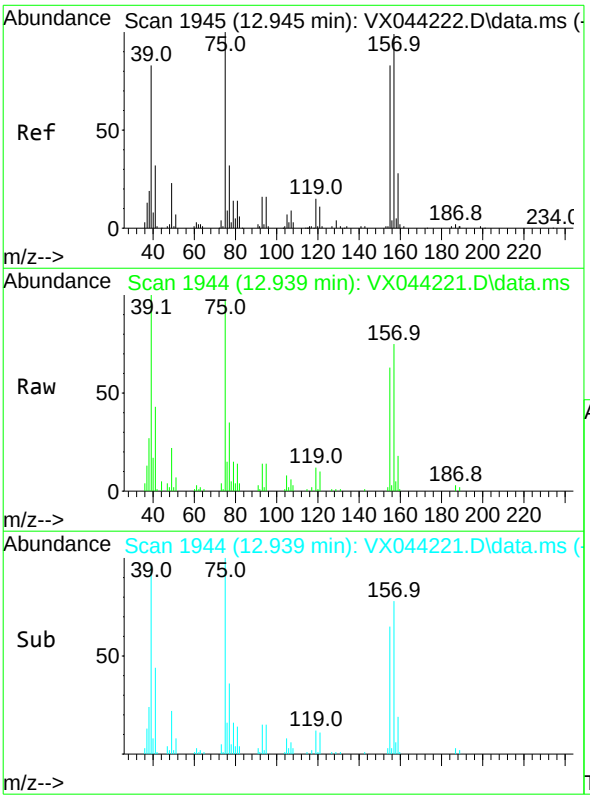
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 21.4 | 64.3 |
| 148 | 63.5 | 31.6 | 95.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

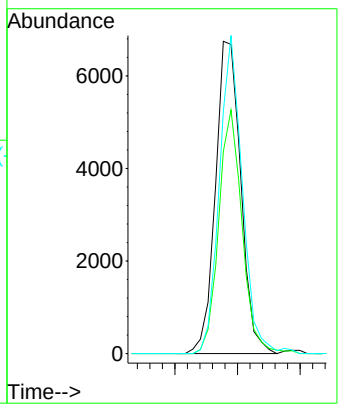


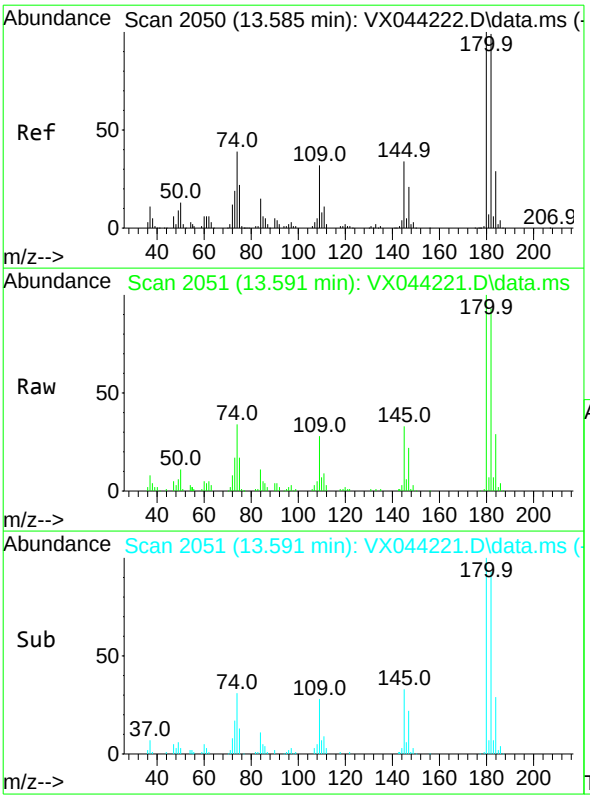




#92
1,2-Dibromo-3-Chloropropane
Concen: 18.683 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 9468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.1 | 38.1 | 114.3 |
| 157 | 92.2 | 47.2 | 141.6 |

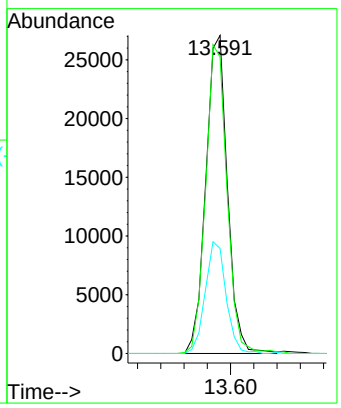





#93
1,2,4-Trichlorobenzene
Concen: 19.313 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:180 Resp: 35001

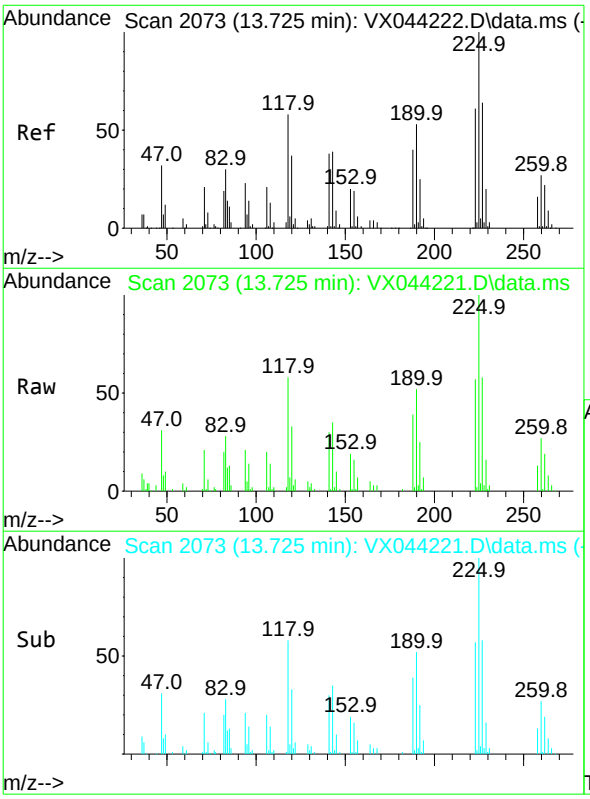
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 48.0 | 144.2 |
| 145 | 33.9 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

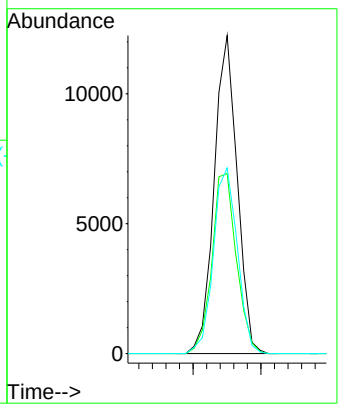
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

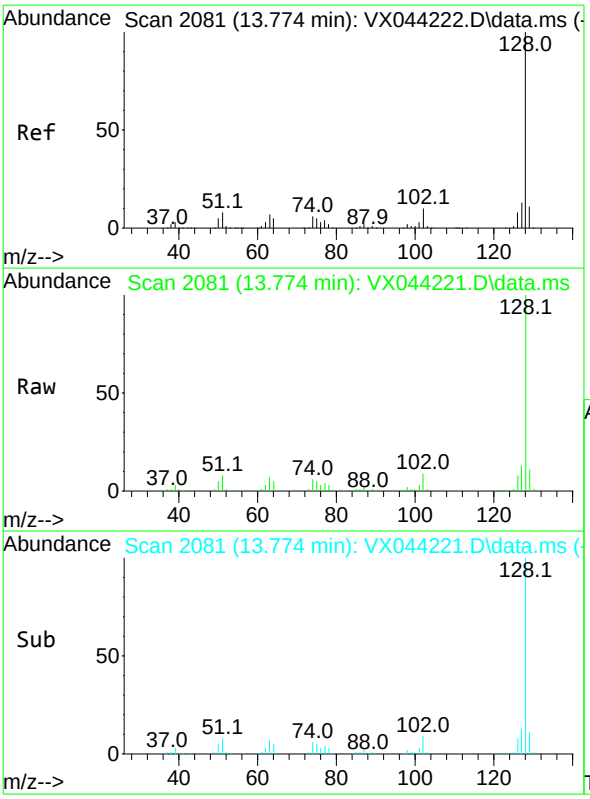



#94
Hexachlorobutadiene
Concen: 19.774 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:225 Resp: 14415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.5 | 30.8 | 92.4 |
| 227 | 60.9 | 32.1 | 96.3 |

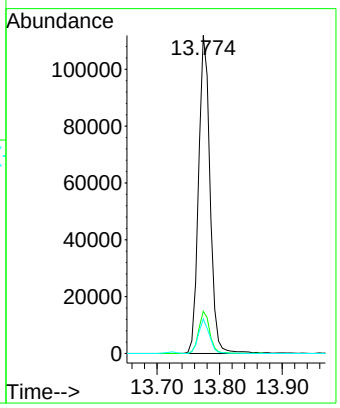





#95
Naphthalene
Concen: 20.146 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:128 Resp: 142515

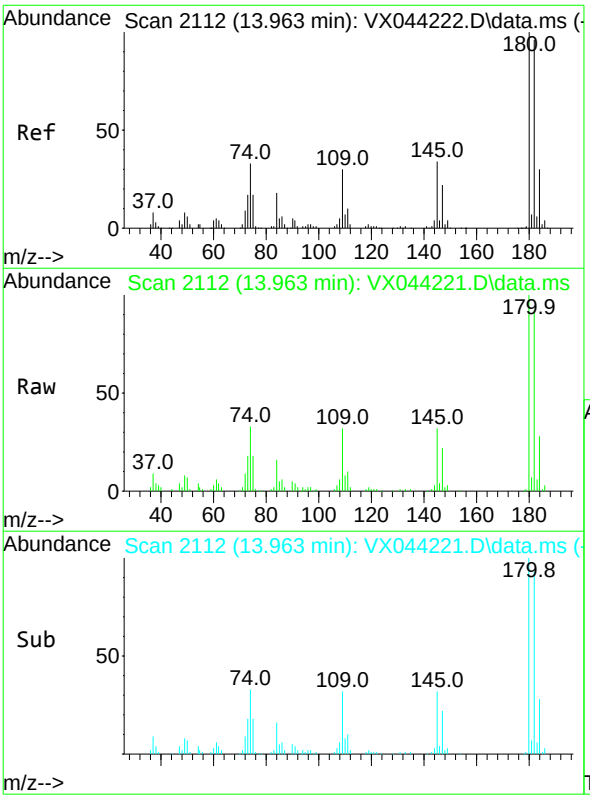
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.4 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

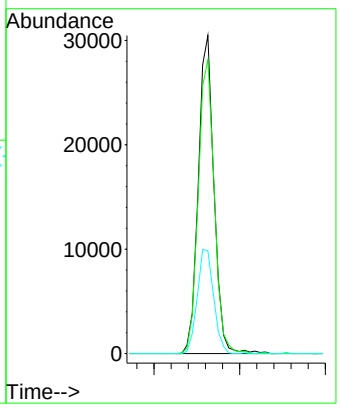
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024




#96
1,2,3-Trichlorobenzene
Concen: 20.101 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:180 Resp: 38639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 48.0 | 144.0 |
| 145 | 34.3 | 17.7 | 53.1 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 125713 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 233488 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 205196 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 95227 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 115815 | 52.544 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 105.080% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 85656 | 52.968 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.940% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 292199 | 53.559 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 107.120% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 103178 | 54.123 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 108.240% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 99052 | 50.957 | ug/l | 100 |
| 3) Chloromethane | 1.295 | 50 | 94981 | 51.097 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 98852 | 51.045 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 69250 | 50.405 | ug/l | 100 |
| 6) Chloroethane | 1.666 | 64 | 66862 | 55.448 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 193676 | 51.086 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 64542 | 49.875 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 77275 | 50.371 | ug/l | 100 |
| 10) Methyl Iodide | 2.441 | 142 | 106509 | 52.678 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.995 | 59 | 75690m | 244.039 | ug/l | |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 74884 | 53.143 | ug/l | 100 |
| 13) Acrolein | 2.239 | 56 | 116171 | 258.347 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 126925 | 54.079 | ug/l | 100 |
| 15) Acrylonitrile | 3.069 | 53 | 225330 | 261.859 | ug/l | 100 |
| 16) Acetone | 2.392 | 43 | 239661 | 266.704 | ug/l | 100 |
| 17) Carbon Disulfide | 2.502 | 76 | 144624 | 53.994 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 119808 | 51.710 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 289735 | 52.691 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 86593 | 51.305 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 77834 | 51.974 | ug/l | 100 |
| 22) Diisopropyl ether | 3.764 | 45 | 273039 | 51.662 | ug/l | 100 |
| 23) Vinyl Acetate | 3.721 | 43 | 1202044 | 279.754 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 156412 | 53.093 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 344663 | 269.797 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 131428 | 54.914 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 97013 | 51.007 | ug/l | 100 |
| 28) Bromochloromethane | 4.898 | 49 | 74477 | 51.555 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 212103 | 258.669 | ug/l | 100 |
| 30) Chloroform | 5.087 | 83 | 168864 | 51.017 | ug/l | 100 |
| 31) Cyclohexane | 5.465 | 56 | 122841 | 51.637 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 147834 | 53.806 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 103760 | 49.638 | ug/l | 100 |
| 37) Ethyl Acetate | 4.721 | 43 | 135753 | 52.537 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 117076 | 52.023 | ug/l | 100 |
| 39) Methylcyclohexane | 7.373 | 83 | 129697 | 51.901 | ug/l | 100 |
| 40) Benzene | 6.031 | 78 | 329154 | 51.863 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 70427 | 51.329 ug/l | 100 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 136309 | 52.138 ug/l | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 213891 | 52.961 ug/l | 100 |
| 44) Trichloroethene | 7.123 | 130 | 81542 | 51.521 ug/l | 100 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 83376 | 51.420 ug/l | 100 |
| 46) Dibromomethane | 7.580 | 93 | 66786 | 53.092 ug/l | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 118634 | 54.607 ug/l | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 103726 | 52.909 ug/l | 100 |
| 49) 1,4-Dioxane | 7.671 | 88 | 35263m | 1052.498 ug/l | |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 688666 | 265.203 ug/l | 100 |
| 52) Toluene | 8.714 | 92 | 204738 | 51.370 ug/l | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 120007 | 51.362 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 132286 | 55.923 ug/l | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 83488 | 52.729 ug/l | 100 |
| 56) Ethyl methacrylate | 9.116 | 69 | 134770 | 53.917 ug/l | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 143044 | 51.904 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 342592 | 271.745 ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 512906 | 272.881 ug/l | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 86352 | 51.400 ug/l | 100 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 86150 | 53.454 ug/l | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 65888 | 48.379 ug/l | 100 |
| 65) Chlorobenzene | 10.080 | 112 | 223269 | 50.779 ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 76867 | 54.396 ug/l | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 395430 | 52.050 ug/l | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 290181 | 104.094 ug/l | 100 |
| 69) o-Xylene | 10.640 | 106 | 144247 | 51.141 ug/l | 100 |
| 70) Styrene | 10.653 | 104 | 238379 | 52.719 ug/l | 100 |
| 71) Bromoform | 10.799 | 173 | 50667 | 51.158 ug/l # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 372519 | 51.100 ug/l | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 182491 | 54.166 ug/l | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 127193 | 50.233 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 107003m | 49.518 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 89687 | 50.734 ug/l | 100 |
| 78) n-propylbenzene | 11.305 | 91 | 428741 | 53.211 ug/l | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 263849 | 50.634 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 314986 | 52.102 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 35119 | 47.628 ug/l | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 296520 | 51.387 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 310320 | 51.940 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 313338 | 52.776 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 379552 | 52.329 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 318721 | 52.796 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 160223 | 51.887 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 159258 | 50.171 ug/l | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 270840 | 53.354 ug/l | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 48303 | 54.813 ug/l | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 164342 | 51.256 ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 26027 | 52.951 ug/l | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 93173 | 53.005 ug/l | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 35172 | 49.744 ug/l | 100 |
| 95) Naphthalene | 13.774 | 128 | 365234 | 53.230 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 97000 | 52.027 ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

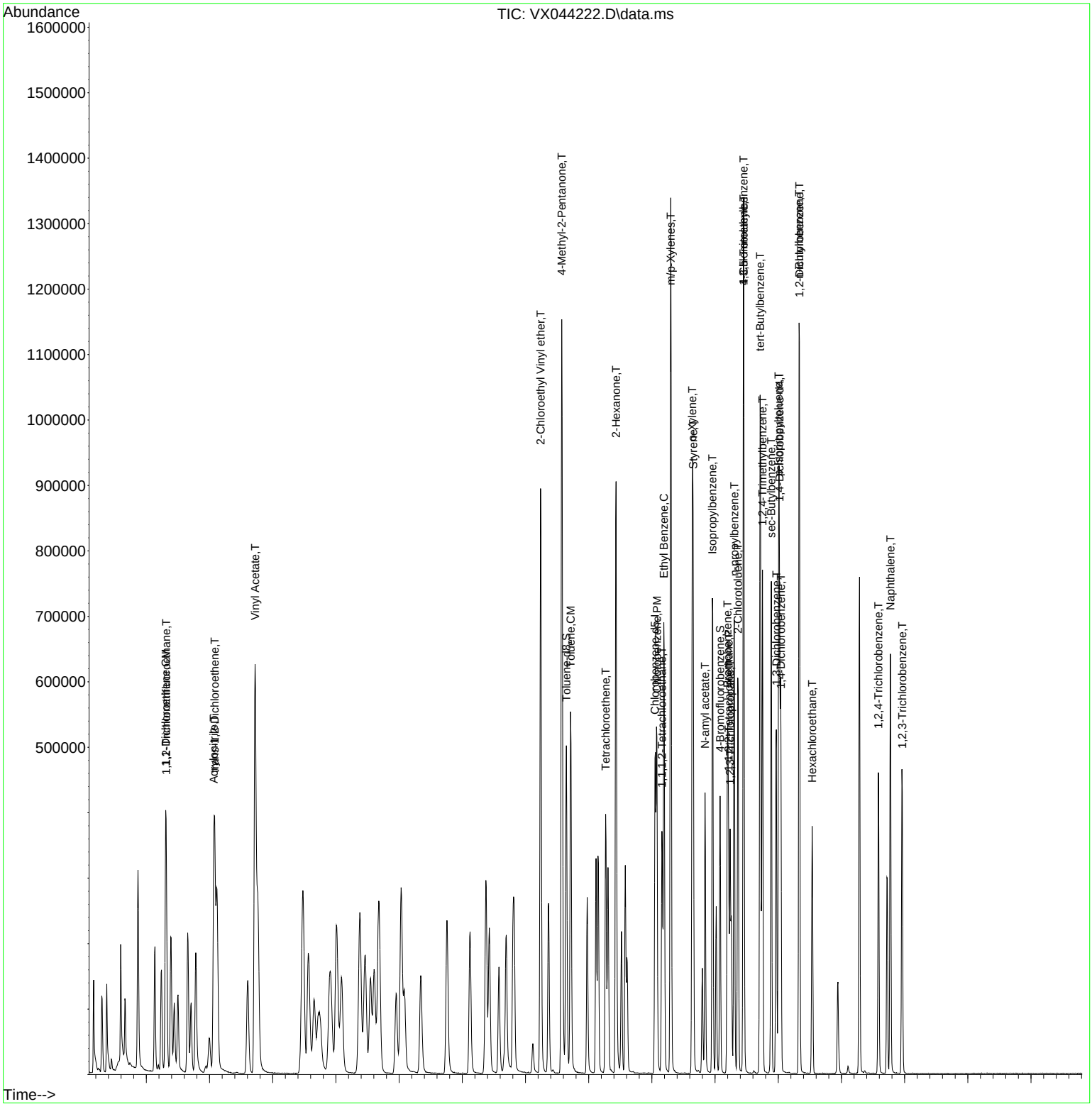
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

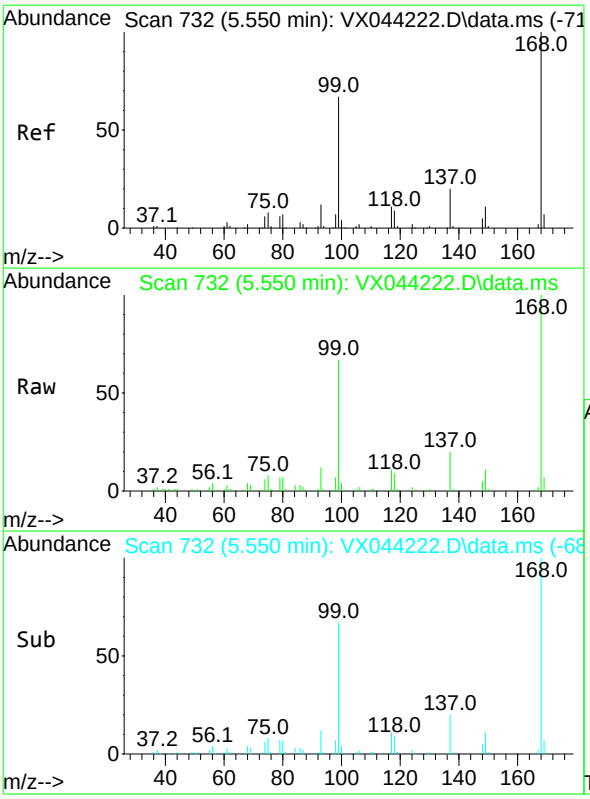
Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

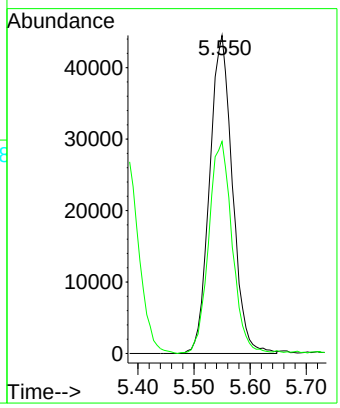





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:168 Resp: 125713

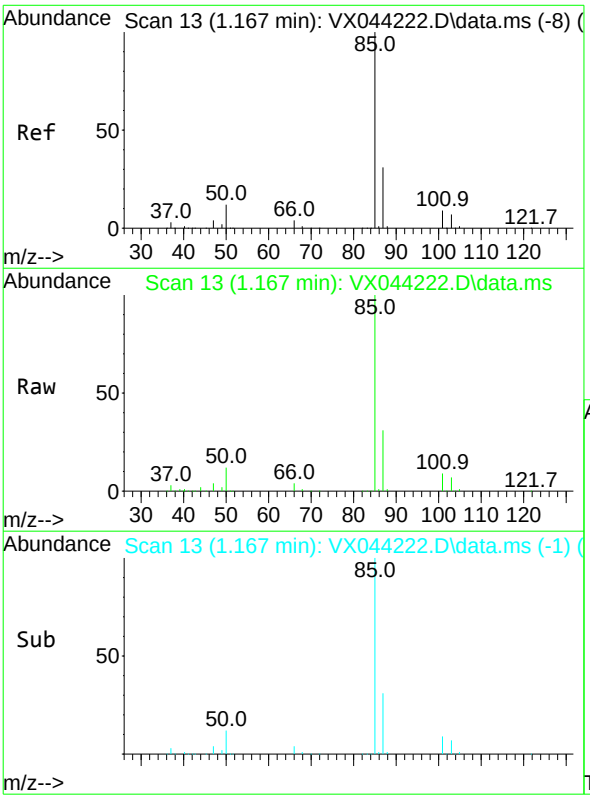
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.7 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

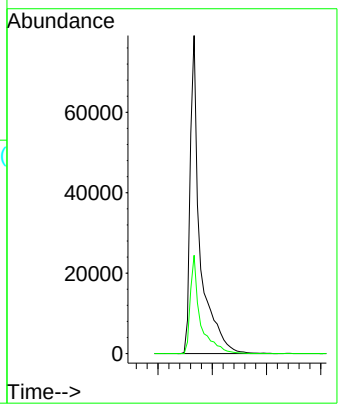
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

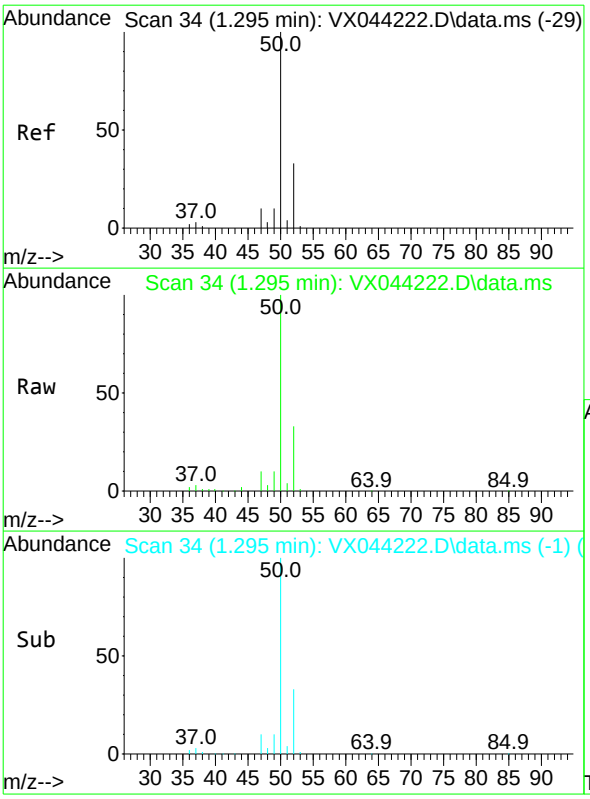



#2
Dichlorodifluoromethane
Concen: 50.957 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 85 Resp: 99052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.9 | 15.4 | 46.4 |

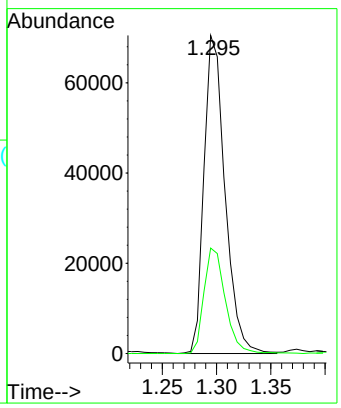





#3
Chloromethane
Concen: 51.097 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 50 Resp: 94981

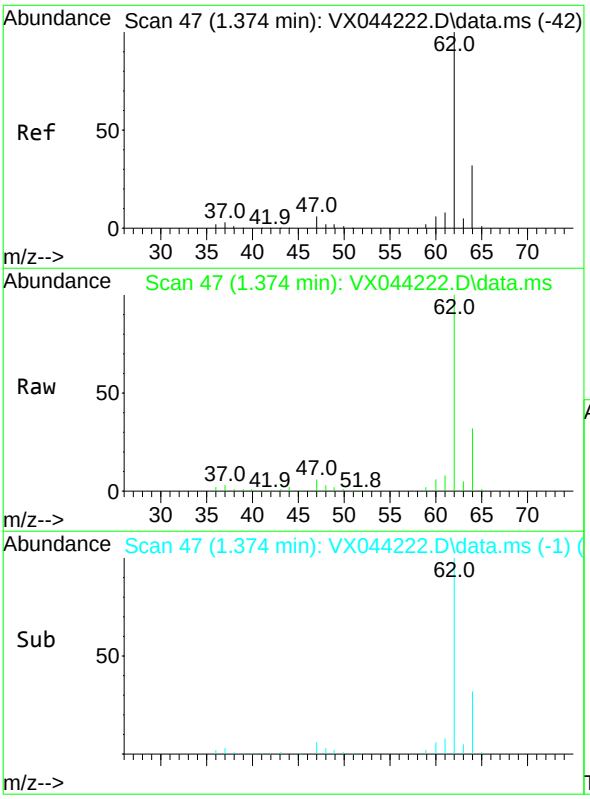
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.1 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

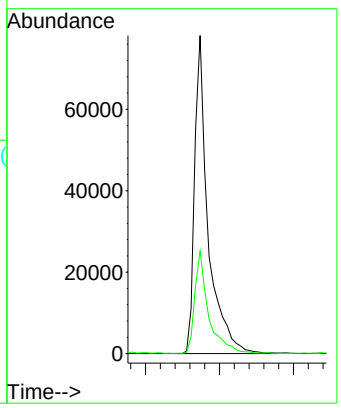
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

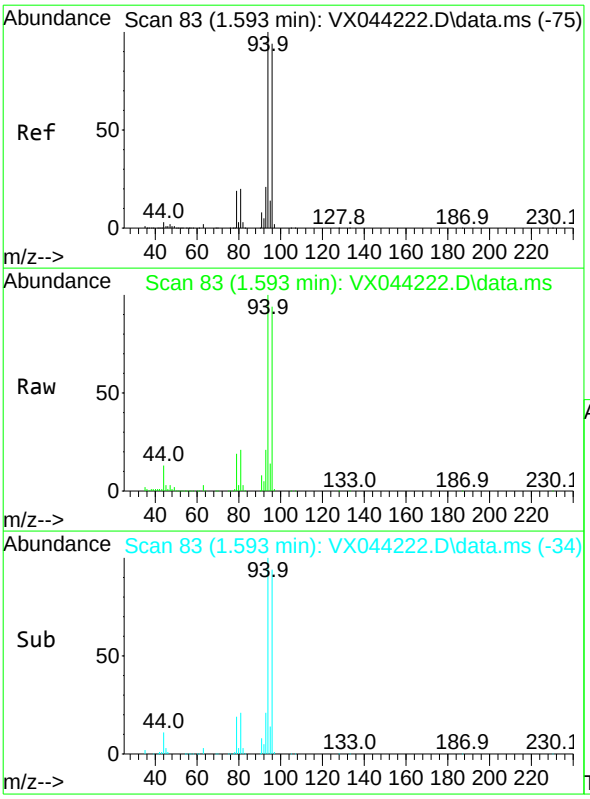



#4
Vinyl Chloride
Concen: 51.045 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 62 Resp: 98852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 25.7 | 38.5 |

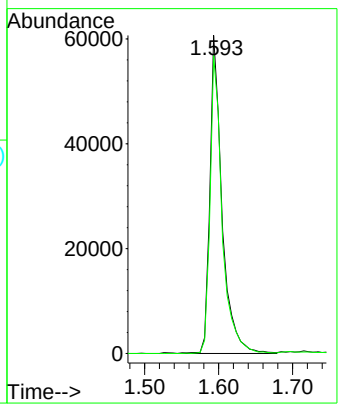





#5
Bromomethane
Concen: 50.405 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 94 Resp: 69250

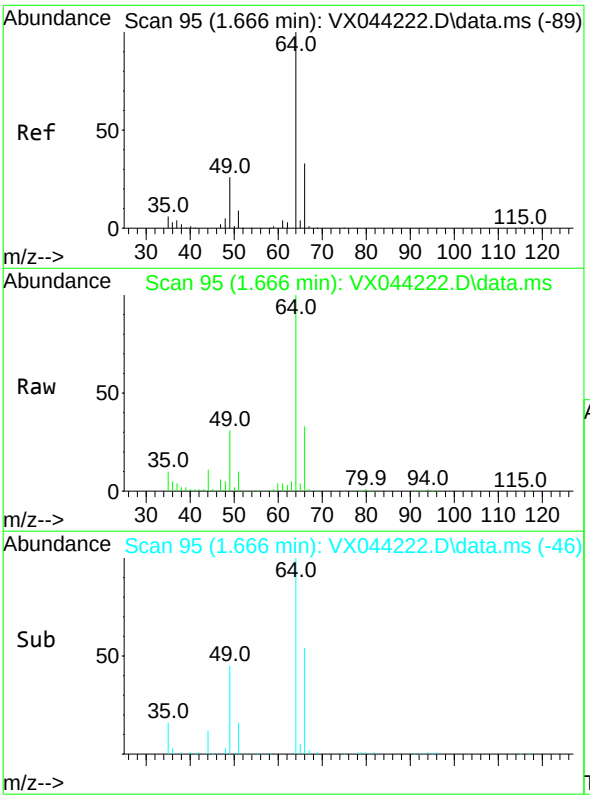
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.6 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

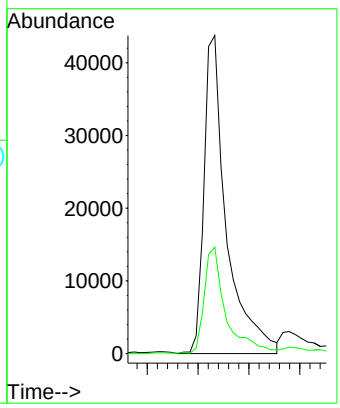
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

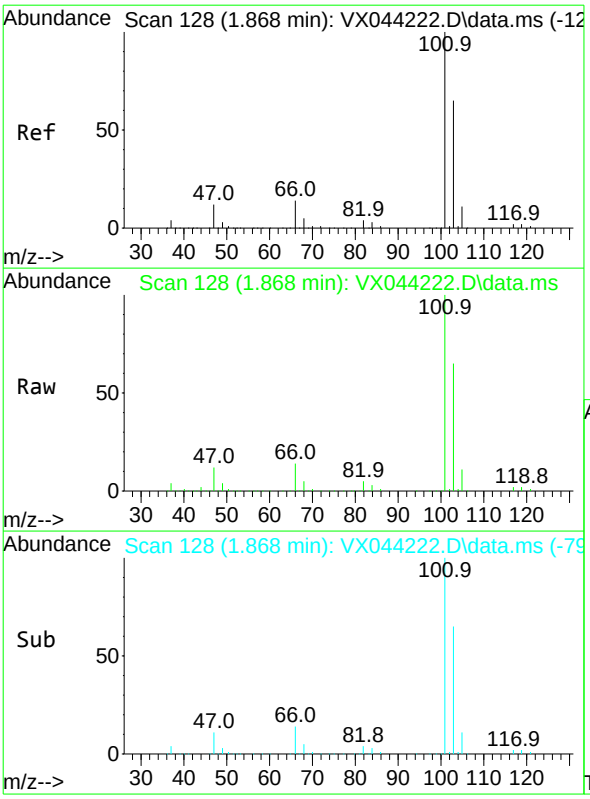



#6
Chloroethane
Concen: 55.448 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 64 Resp: 66862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.2 | 26.6 | 39.8 |

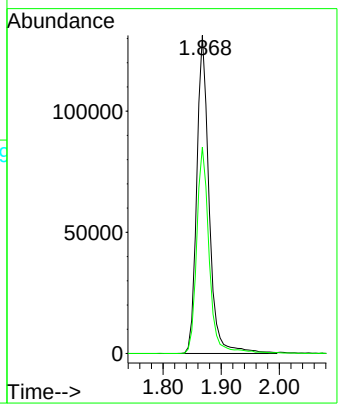





#7
Trichlorofluoromethane
Concen: 51.086 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:101 Resp: 193676

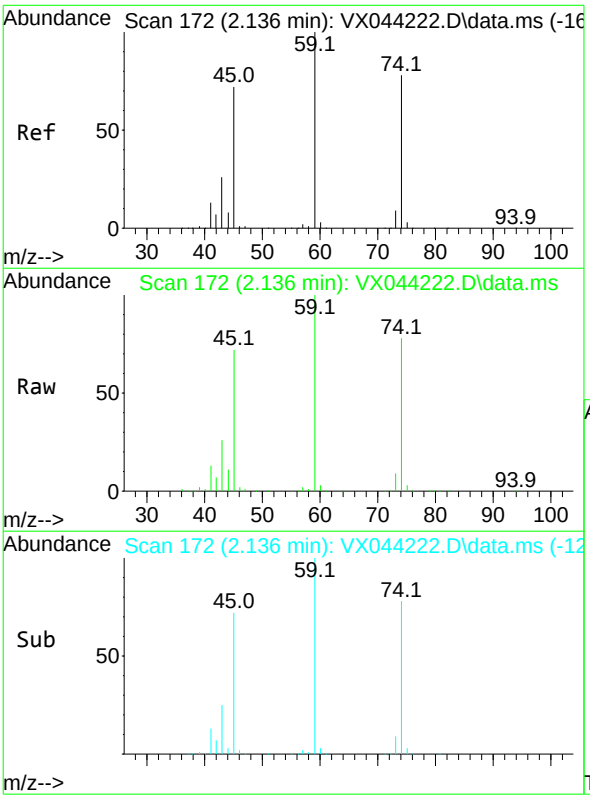
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.8 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

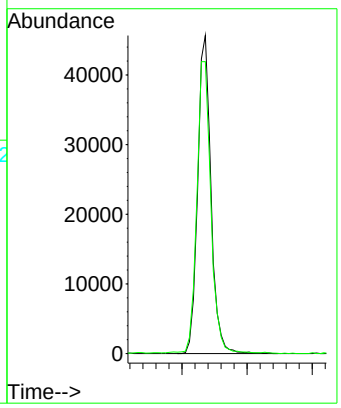
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

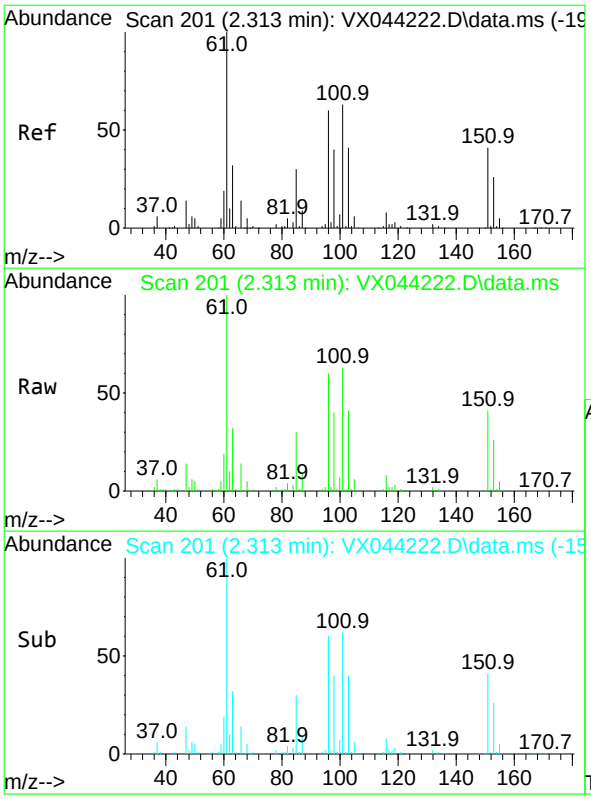



#8
Diethyl Ether
Concen: 49.875 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 74 Resp: 64542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.7 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.371 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

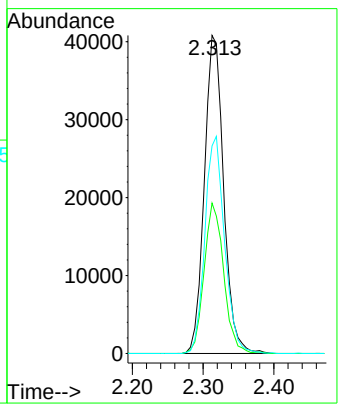
Tgt Ion:101 Resp: 77275

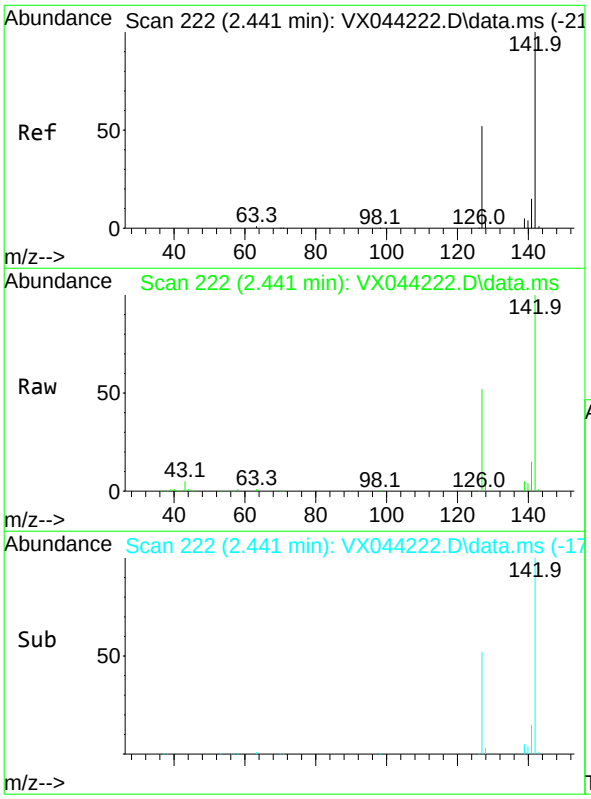
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.1 | 38.5 | 57.7 |
| 151 | 69.7 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

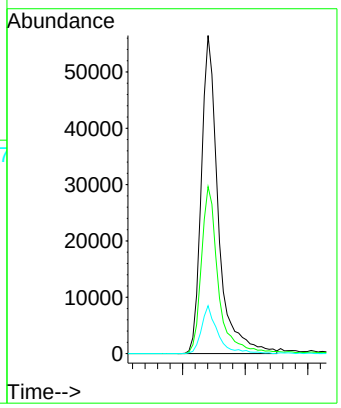


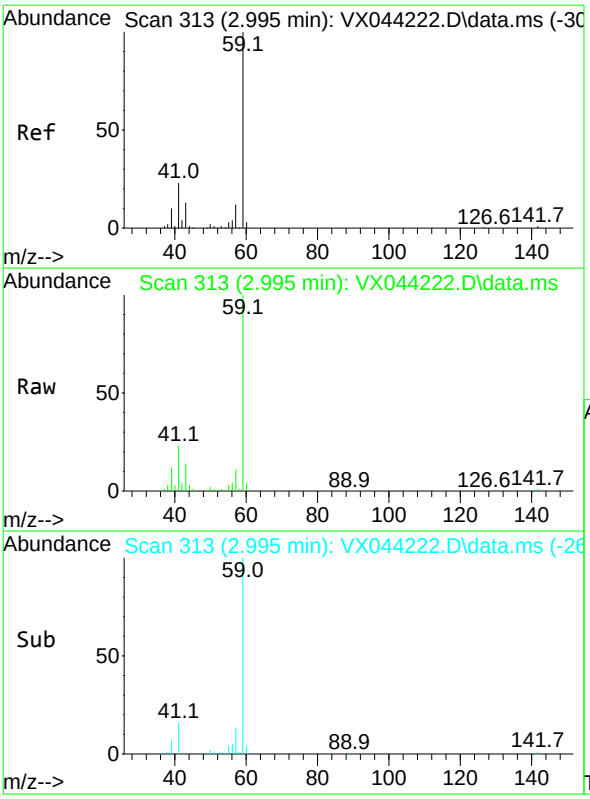




#10
Methyl Iodide
Concen: 52.678 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:142 Resp: 106509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.3 | 41.8 | 62.8 |
| 141 | 14.4 | 11.5 | 17.3 |

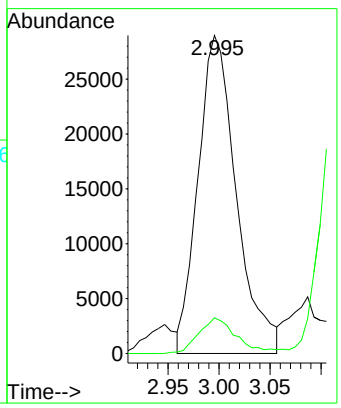





#11
Tert butyl alcohol
Concen: 244.039 ug/l m
RT: 2.995 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 59 Resp: 75690

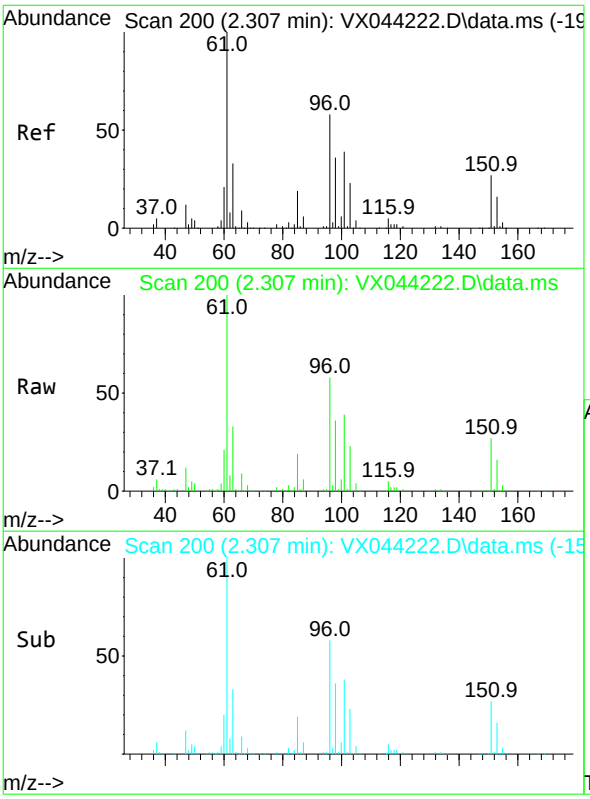
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.0 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

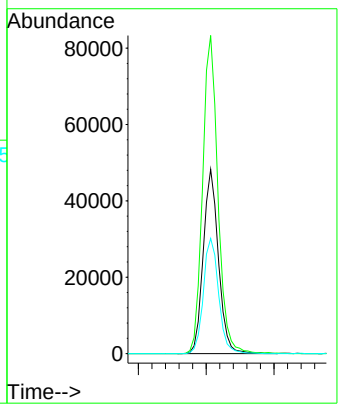
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

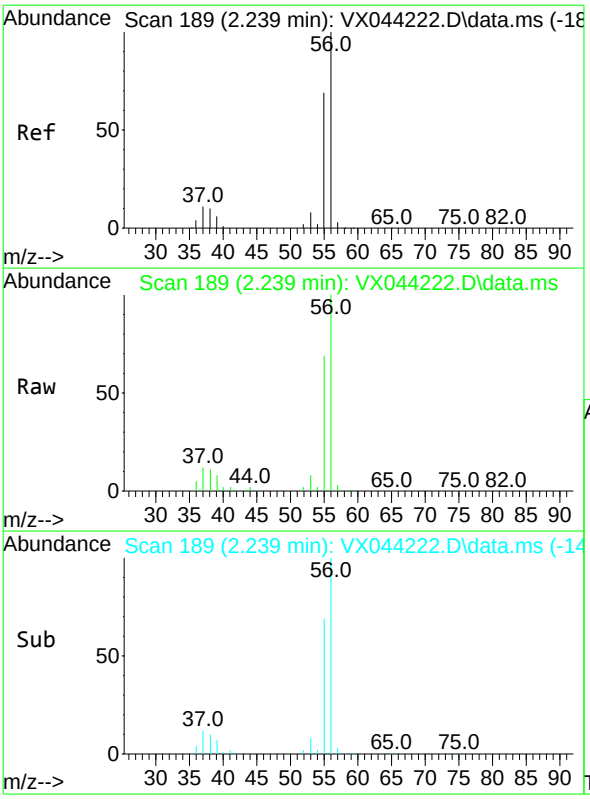



#12
1,1-Dichloroethene
Concen: 53.143 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 96 Resp: 74884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.5 | 138.0 | 207.0 |
| 98 | 62.5 | 50.0 | 75.0 |

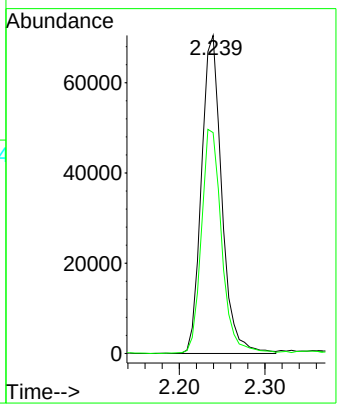





#13
Acrolein
Concen: 258.347 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 56 Resp: 116171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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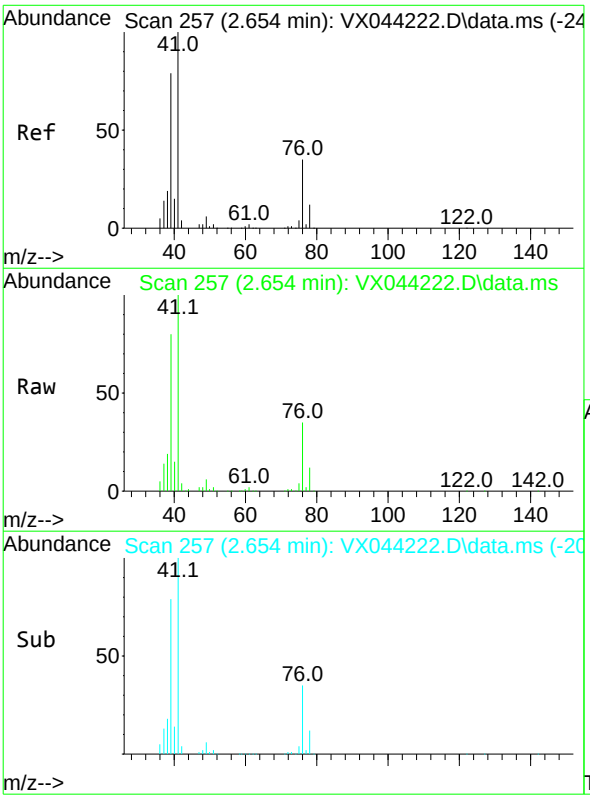
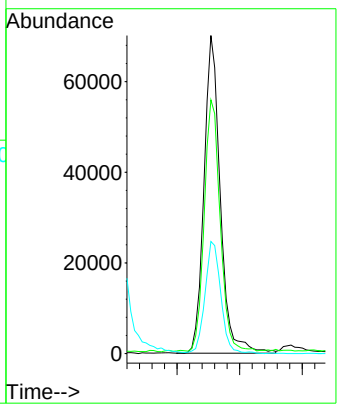
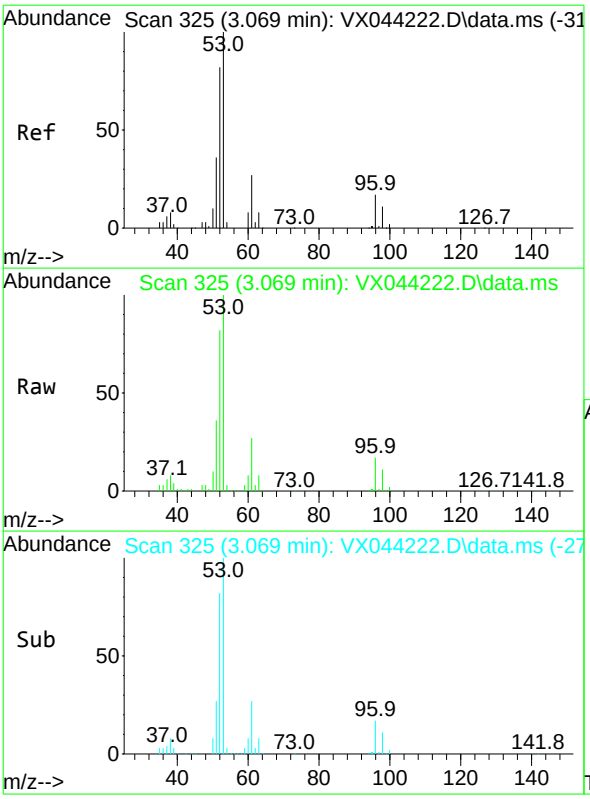



#14
Allyl chloride
Concen: 54.079 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 126925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.4 | 61.9 | 92.9 |
| 76 | 34.3 | 27.4 | 41.2 |

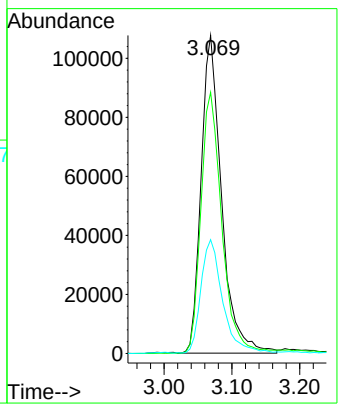





#15
Acrylonitrile
Concen: 261.859 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 53 Resp: 225330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.2 | 67.4 | 101.0 |
| 51 | 37.9 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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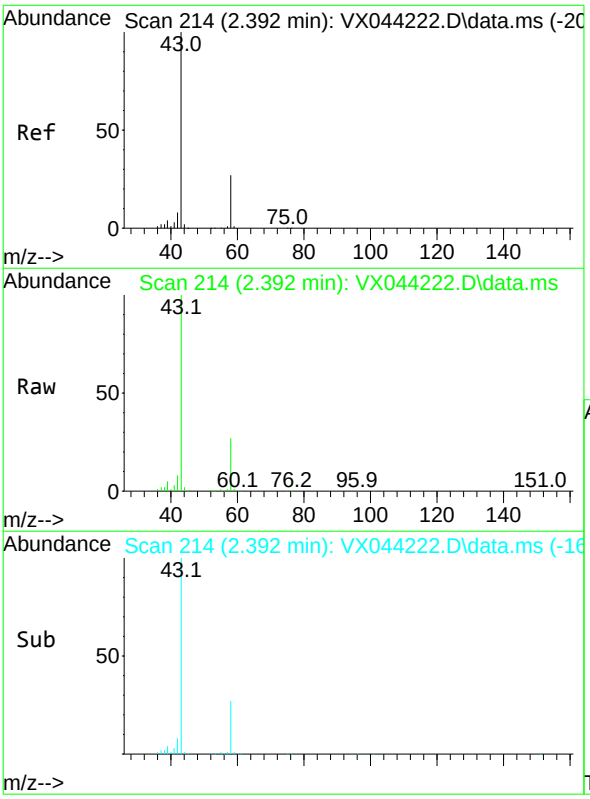
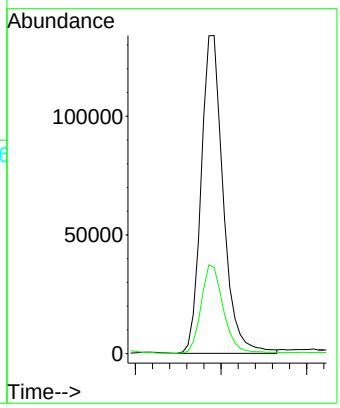
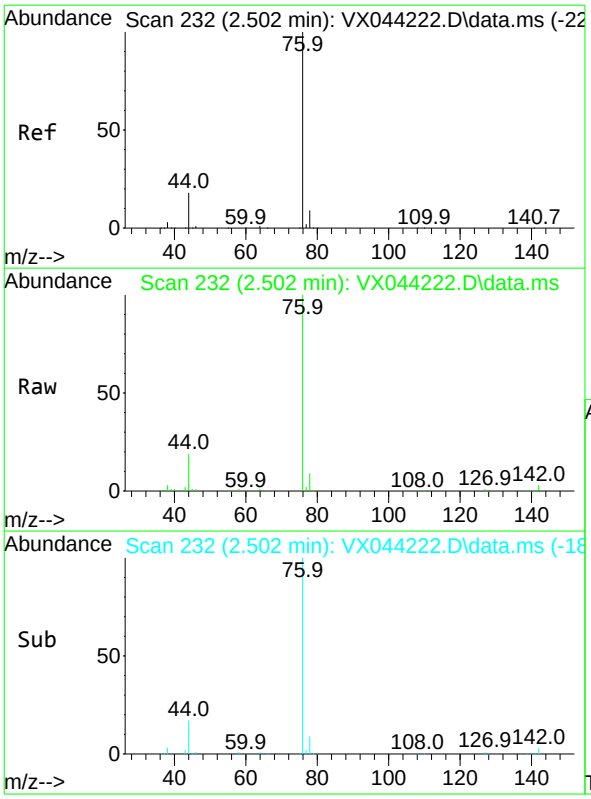



#16
Acetone
Concen: 266.704 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 239661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.0 | 21.6 | 32.4 |

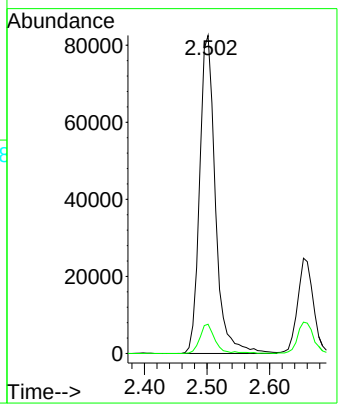





#17
Carbon Disulfide
Concen: 53.994 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 76 Resp: 144624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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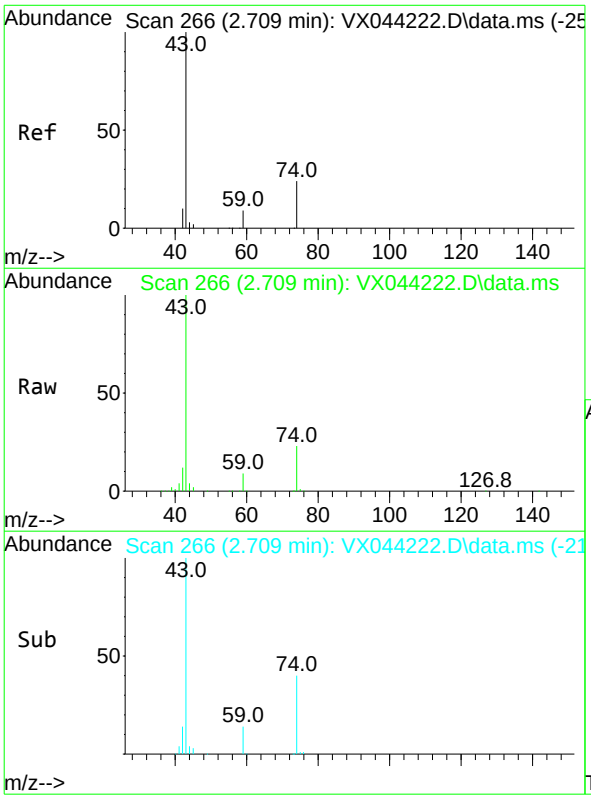
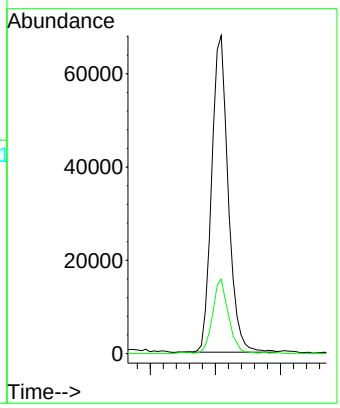
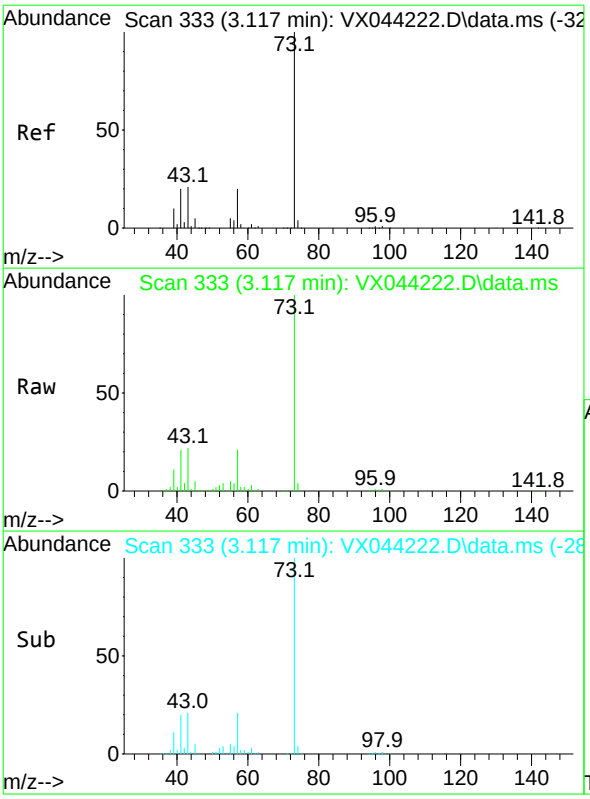



#18
Methyl Acetate
Concen: 51.710 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 119808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 17.7 | 26.5 |

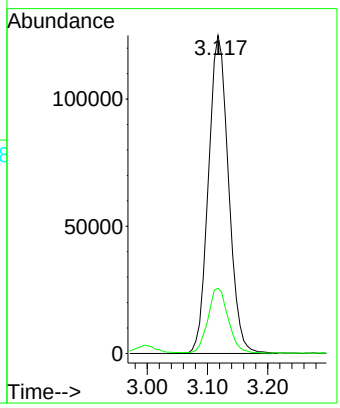





#19
Methyl tert-butyl Ether
Concen: 52.691 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 73 Resp: 289735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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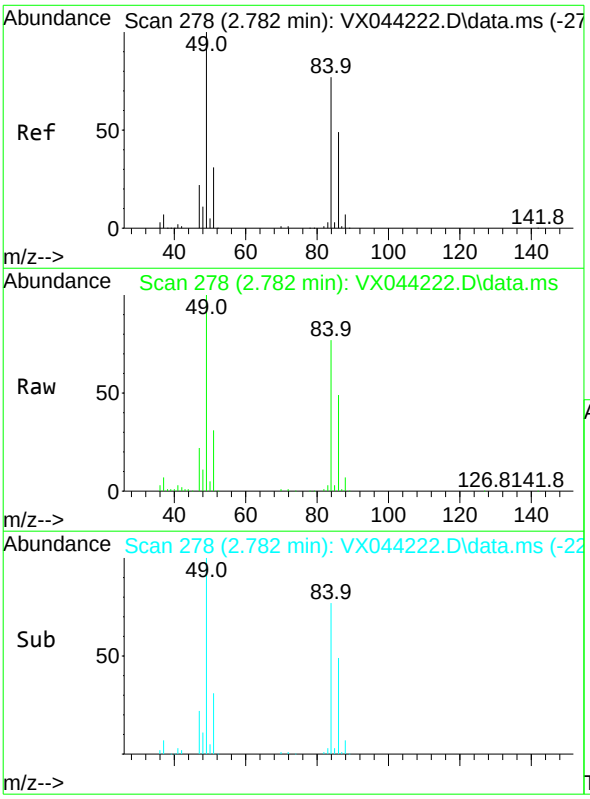
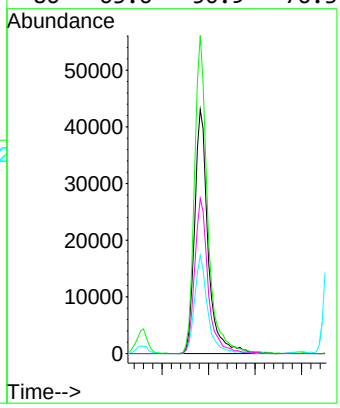
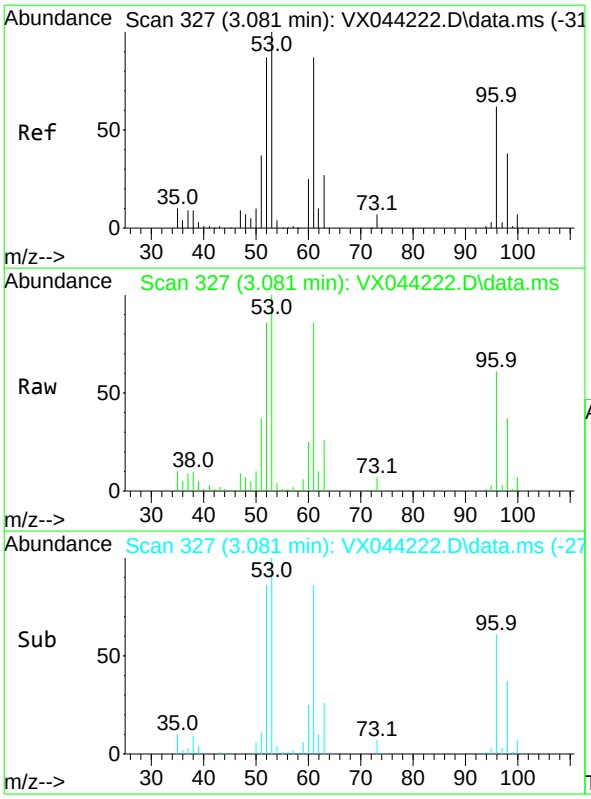



#20
Methylene Chloride
Concen: 51.305 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 84 Resp: 86593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.3 | 104.2 | 156.4 |
| 51 | 40.3 | 32.2 | 48.4 |
| 86 | 63.6 | 50.9 | 76.3 |

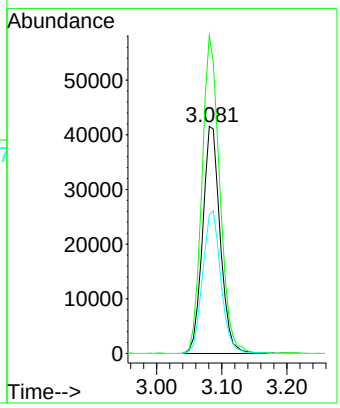





#21
trans-1,2-Dichloroethene
Concen: 51.974 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 96 Resp: 77834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.0 | 112.0 | 168.0 |
| 98 | 61.0 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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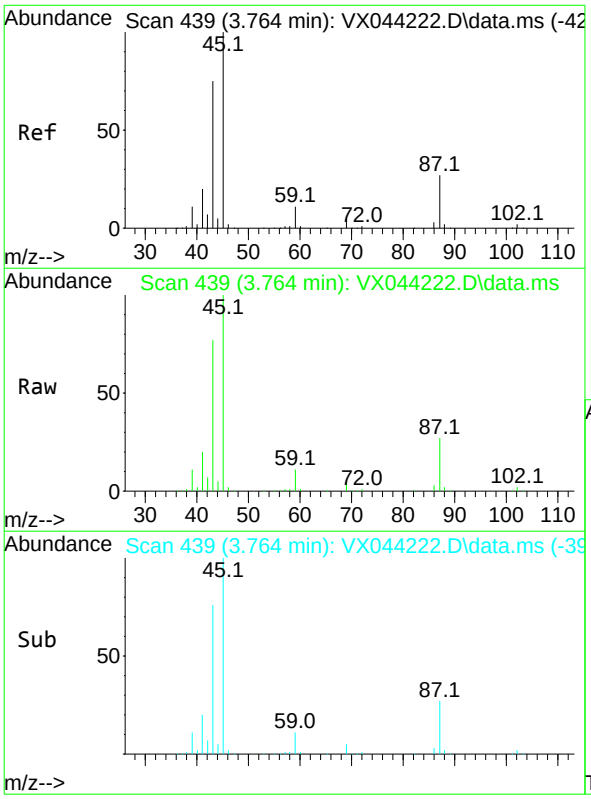
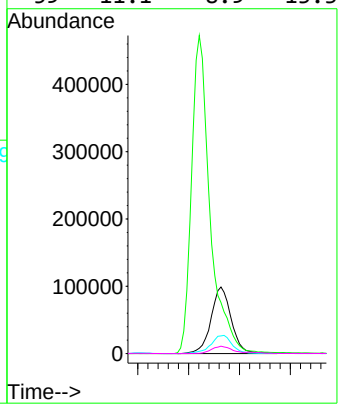
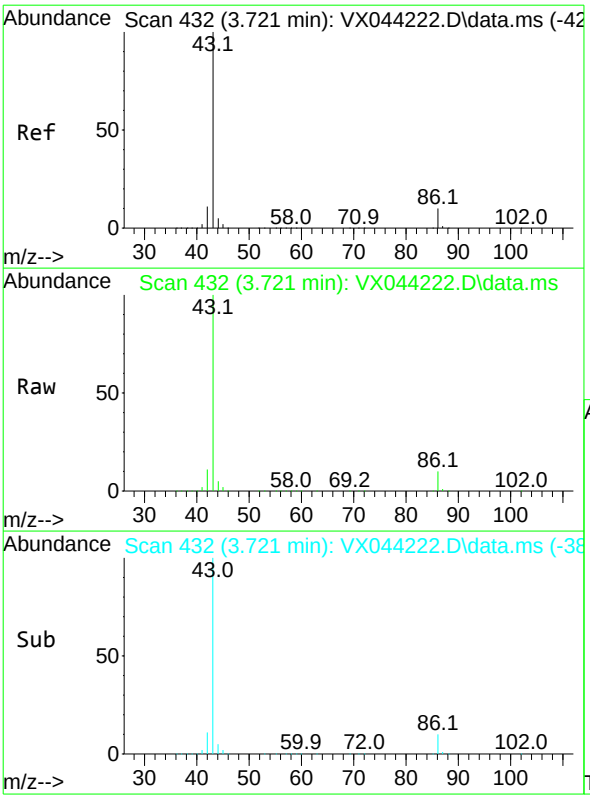



#22
Diisopropyl ether
Concen: 51.662 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 45 Resp: 273039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 75.2 | 60.2 | 90.2 |
| 87 | 26.5 | 21.2 | 31.8 |
| 59 | 11.1 | 8.9 | 13.3 |

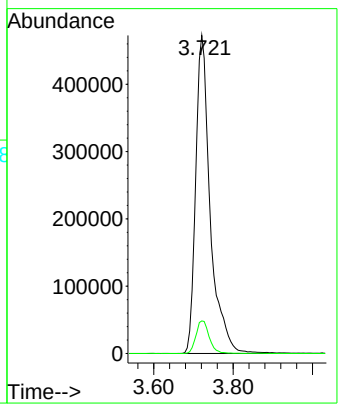





#23
Vinyl Acetate
Concen: 279.754 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 1202044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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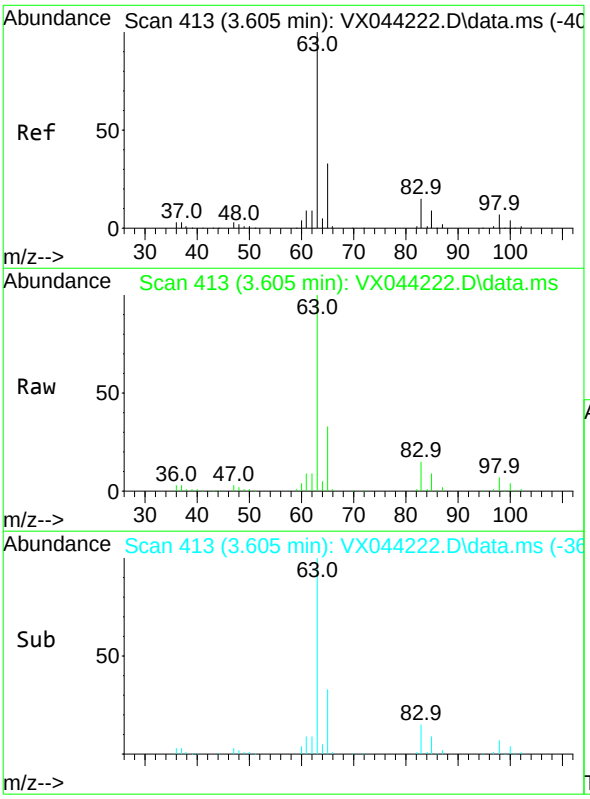
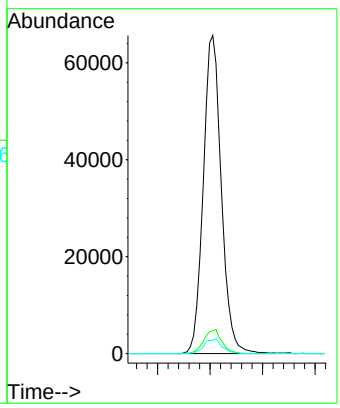
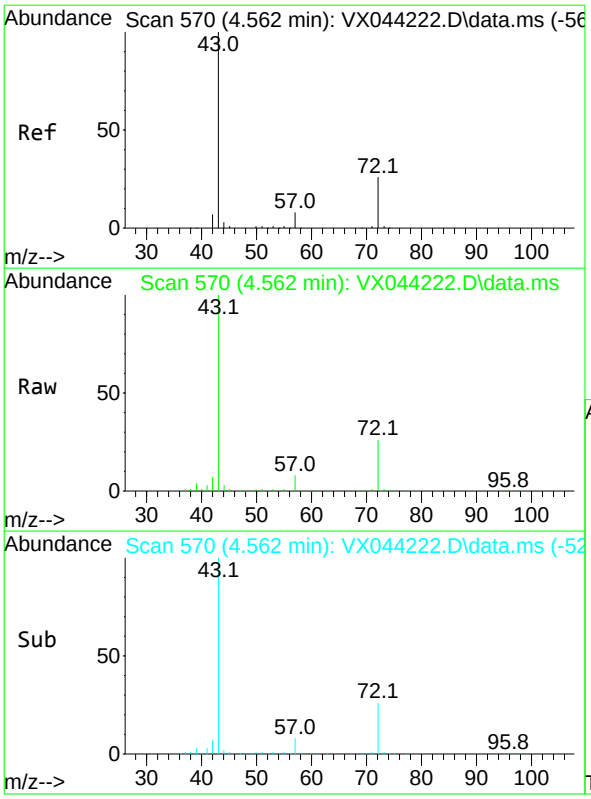



#24
1,1-Dichloroethane
Concen: 53.093 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 156412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.6 | 10.8 |
| 100 | 4.2 | 2.1 | 6.3 |

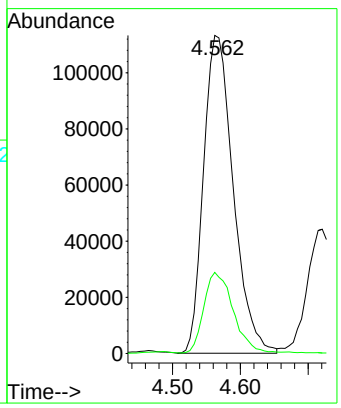





#25
2-Butanone
Concen: 269.797 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 344663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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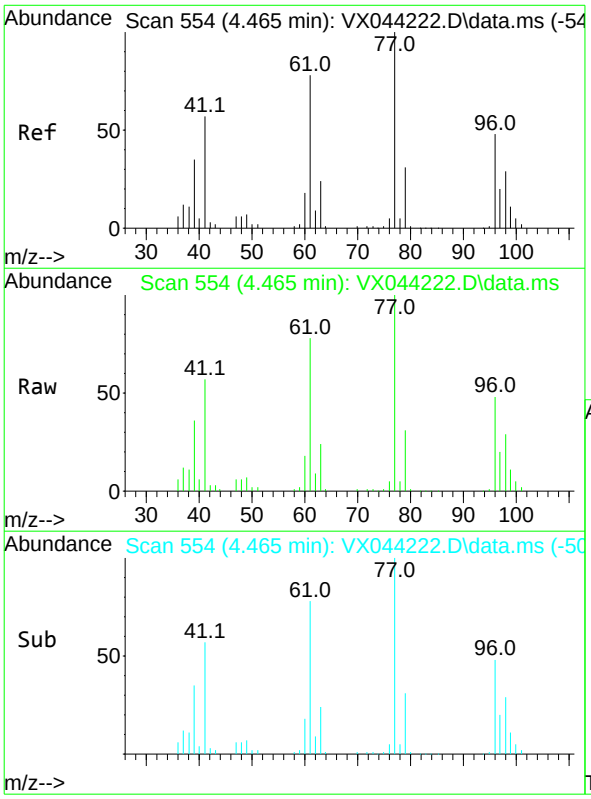
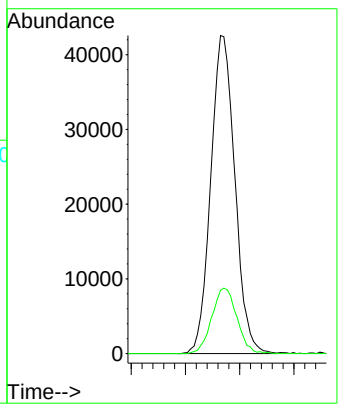
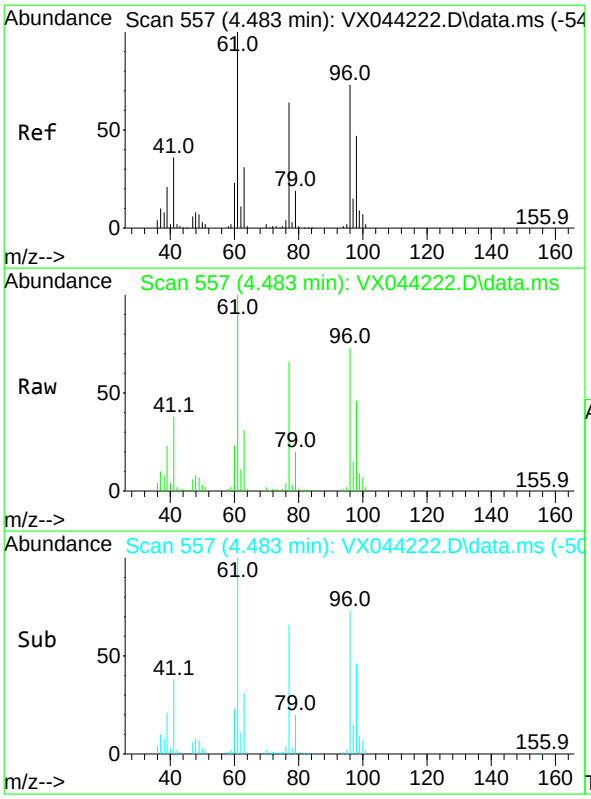



#26
2,2-Dichloropropane
Concen: 54.914 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 77 Resp: 131428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.7 | 32.1 |

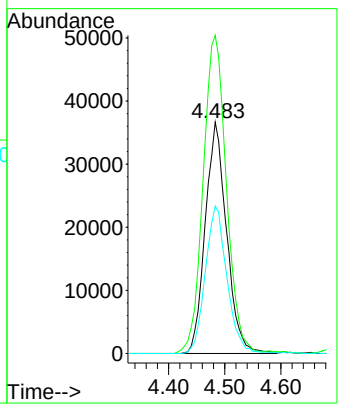





#27
cis-1,2-Dichloroethene
Concen: 51.007 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 96 Resp: 97013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.5 | 0.0 | 299.0 |
| 98 | 64.5 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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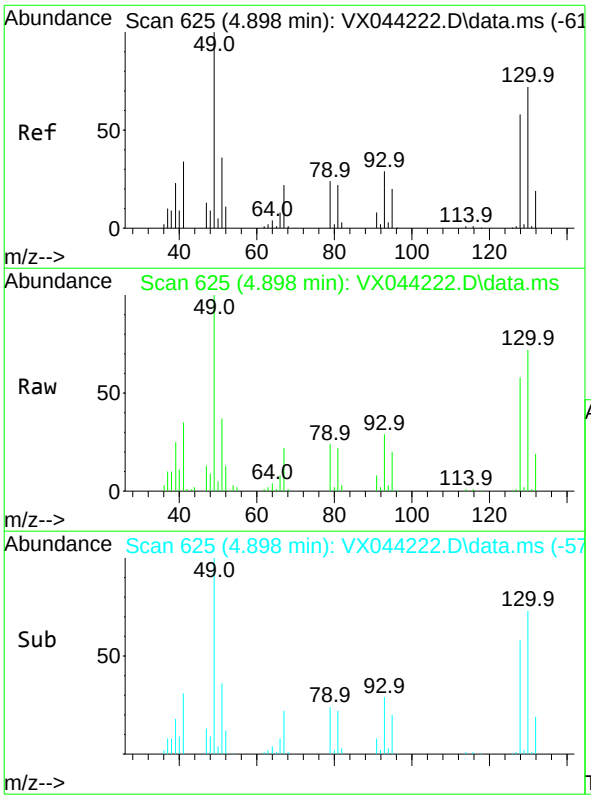
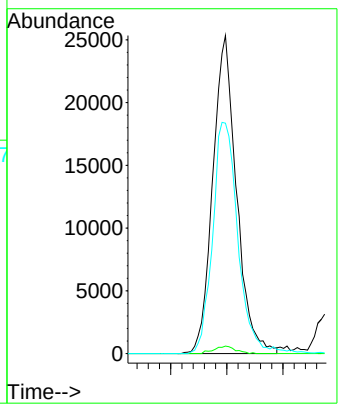
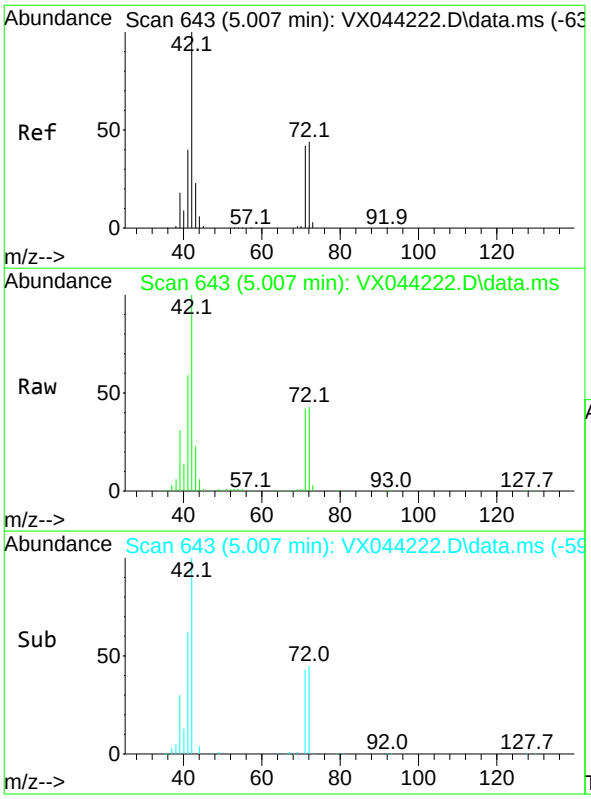



#28
Bromochloromethane
Concen: 51.555 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 49 Resp: 74477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.2 |
| 130 | 77.6 | 62.1 | 93.1 |

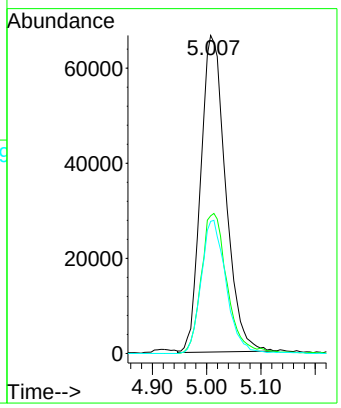





#29
Tetrahydrofuran
Concen: 258.669 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 42 Resp: 212103

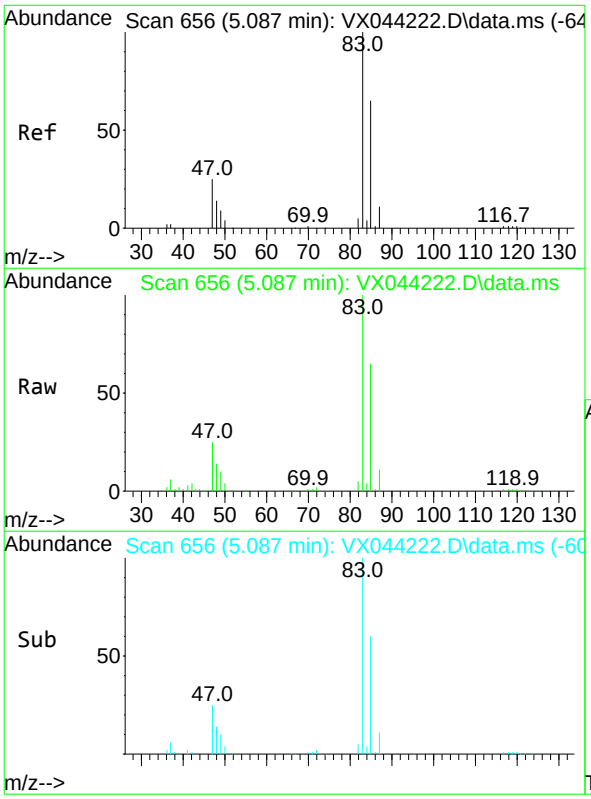
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.3 | 37.0 | 55.6 |
| 71 | 42.0 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

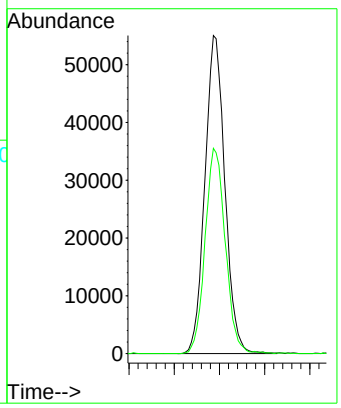
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

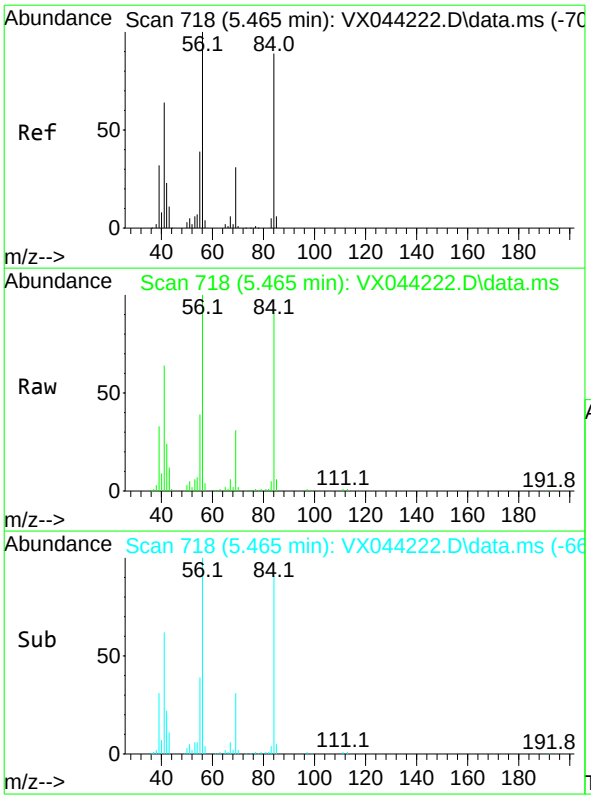



#30
Chloroform
Concen: 51.017 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 168864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.6 | 77.4 |

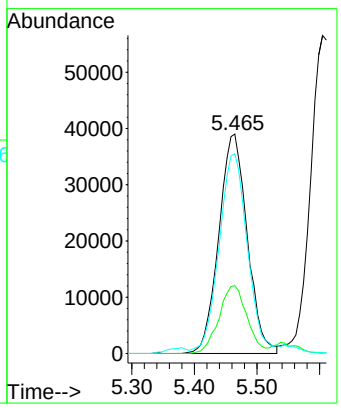





#31
Cyclohexane
Concen: 51.637 ug/l
RT: 5.465 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 56 Resp: 122841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 24.7 | 37.1 |
| 84 | 88.8 | 71.0 | 106.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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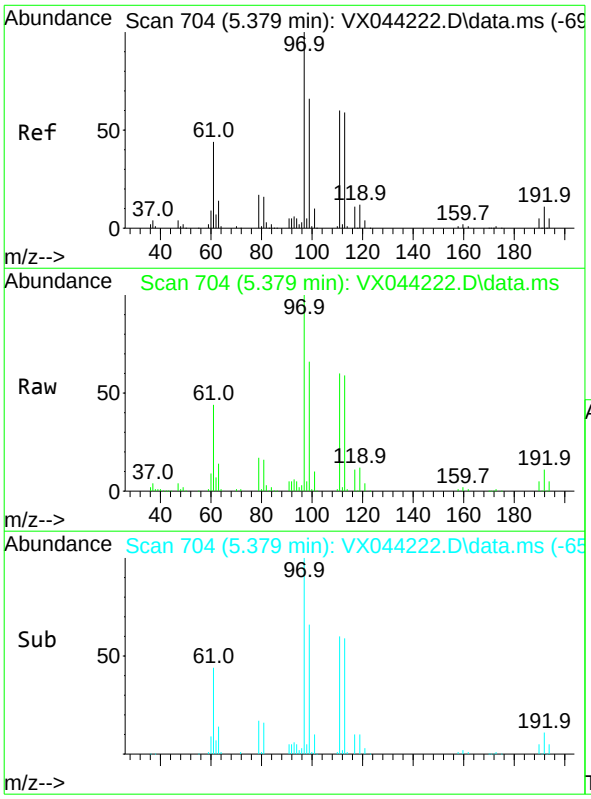
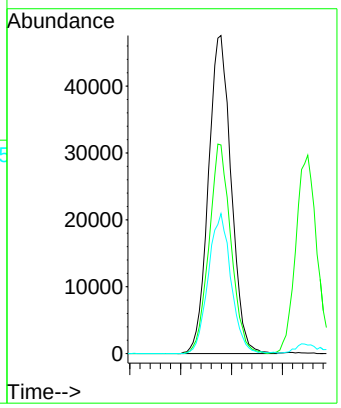
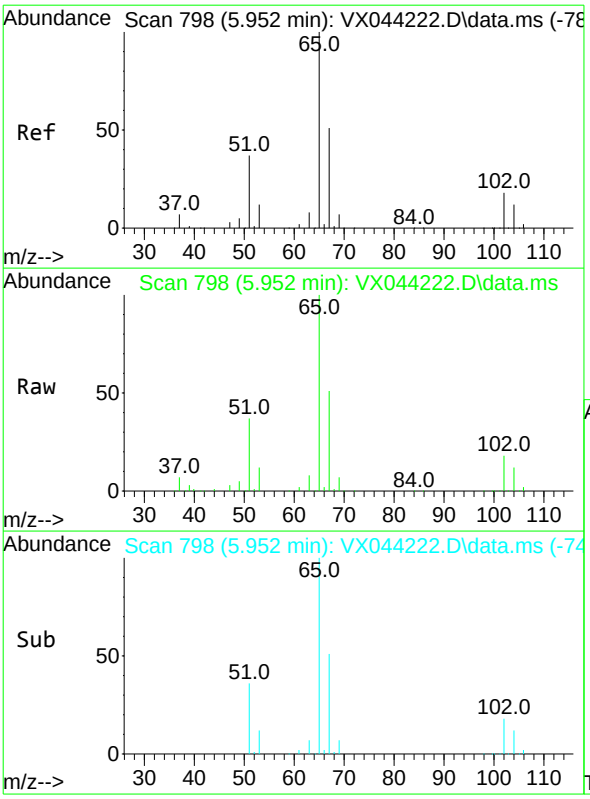



#32
1,1,1-Trichloroethane
Concen: 53.806 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 97 Resp: 147834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 50.8 | 76.2 |
| 61 | 44.0 | 35.2 | 52.8 |

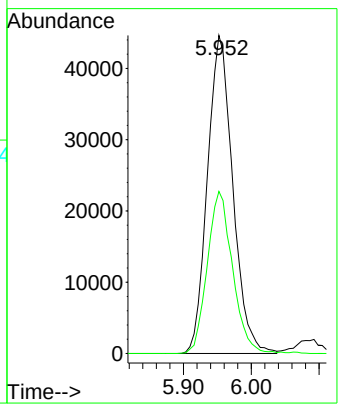





#33
1,2-Dichloroethane-d4
Concen: 52.544 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 65 Resp: 115815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.8 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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Reviewed By :John Carlone 12/12/2024
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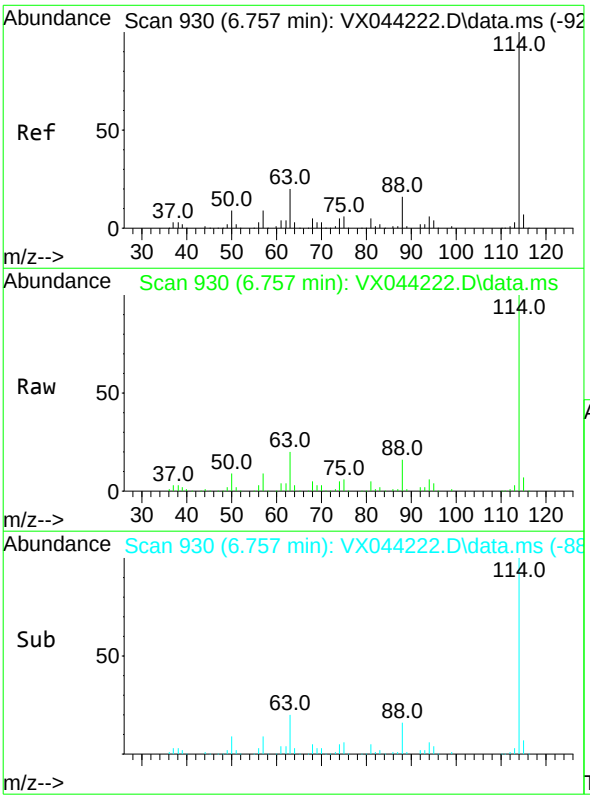
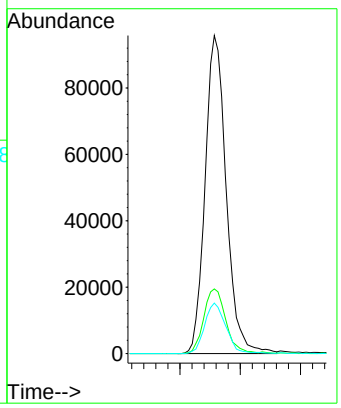
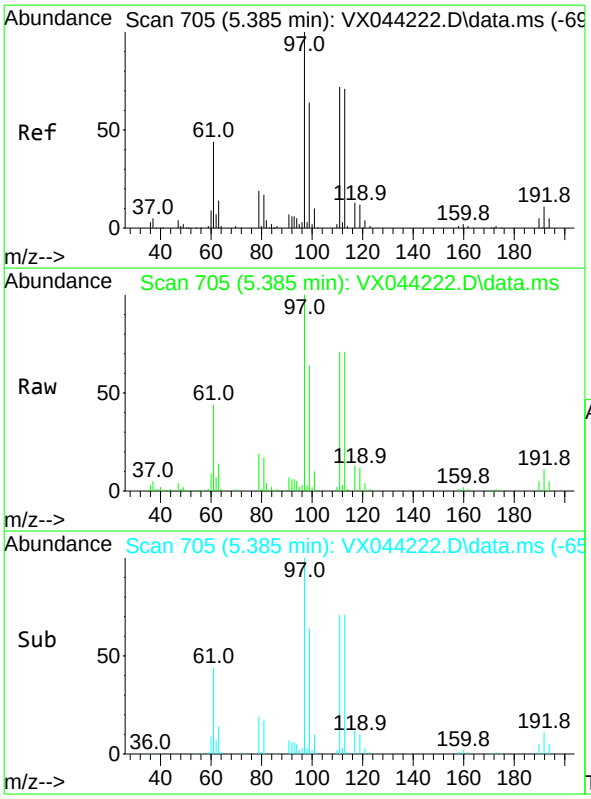



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:114 Resp: 233488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 40.6 |
| 88 | 15.9 | 0.0 | 31.8 |

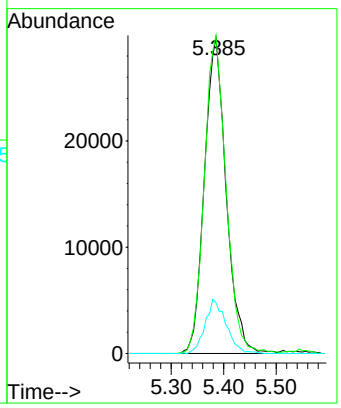





#35
Dibromofluoromethane
Concen: 52.968 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:113 Resp: 85656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.5 | 80.4 | 120.6 |
| 192 | 16.6 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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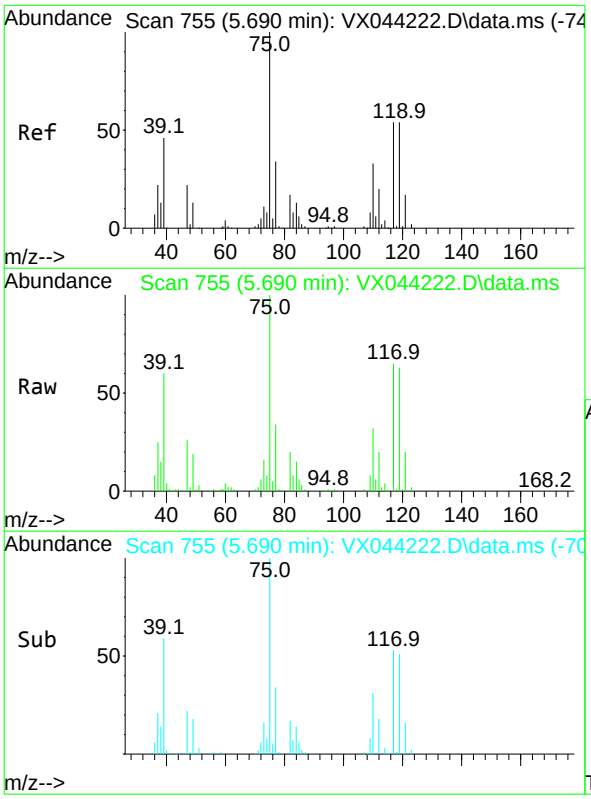
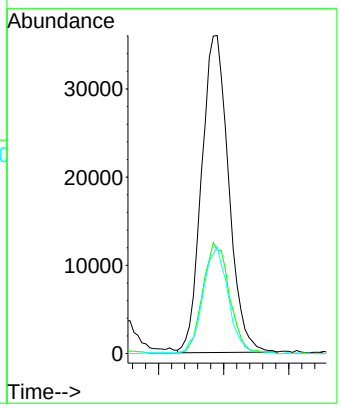
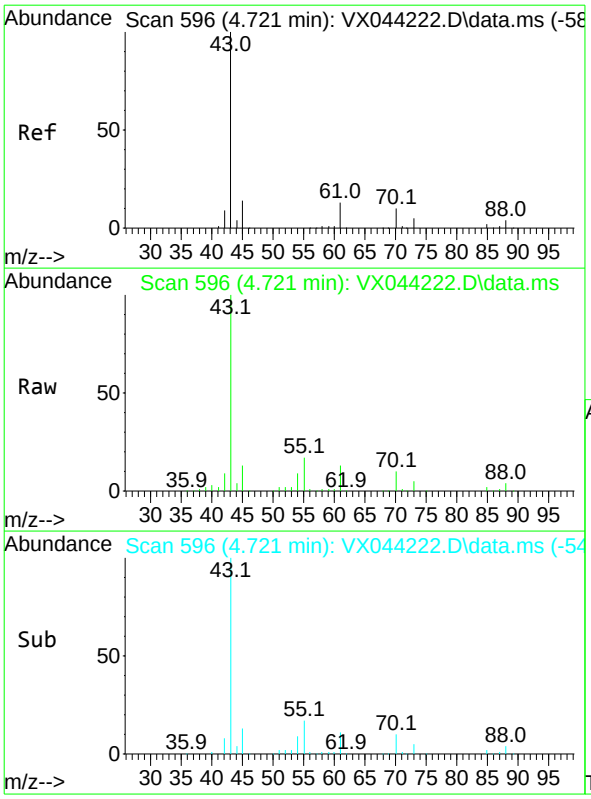



#36
1,1-Dichloropropene
Concen: 49.638 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 103760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.5 | 17.3 | 51.7 |
| 77 | 31.7 | 25.4 | 38.0 |

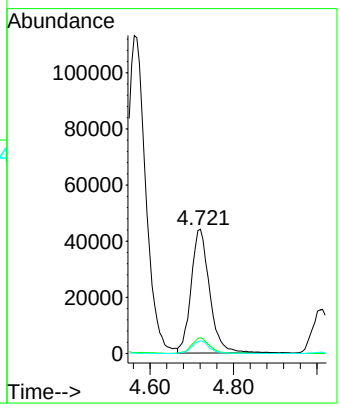





#37
Ethyl Acetate
Concen: 52.537 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 135753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.8 | 14.8 |
| 70 | 9.6 | 7.7 | 11.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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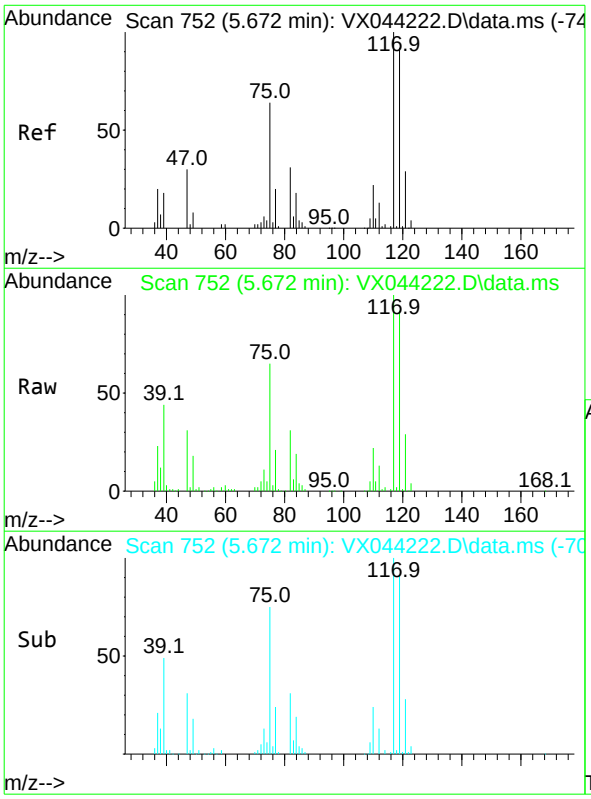
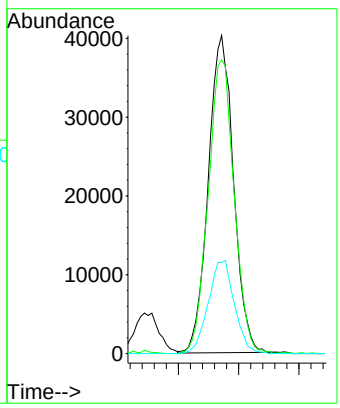
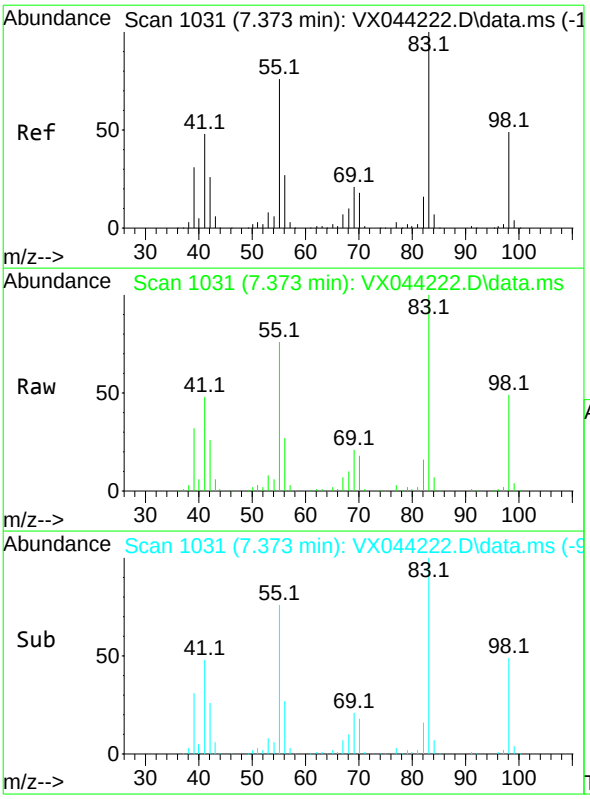



#38
Carbon Tetrachloride
Concen: 52.023 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 117076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.8 | 74.2 | 111.4 |
| 121 | 28.8 | 23.0 | 34.6 |

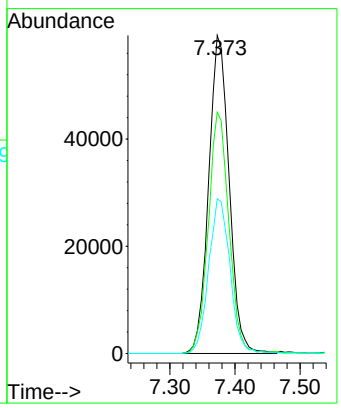





#39
Methylcyclohexane
Concen: 51.901 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 129697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.9 | 60.7 | 91.1 |
| 98 | 48.6 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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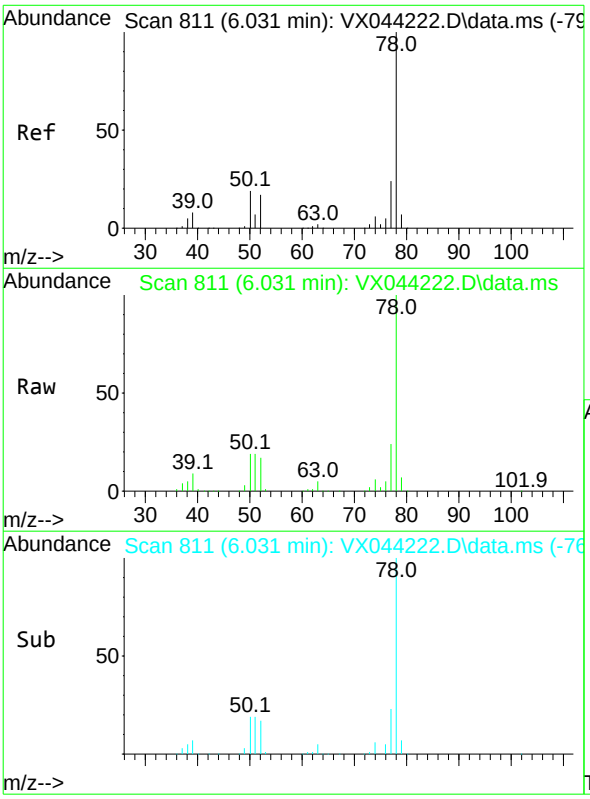
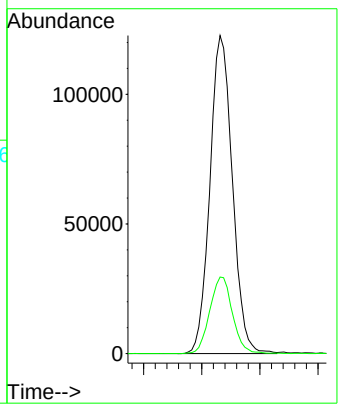
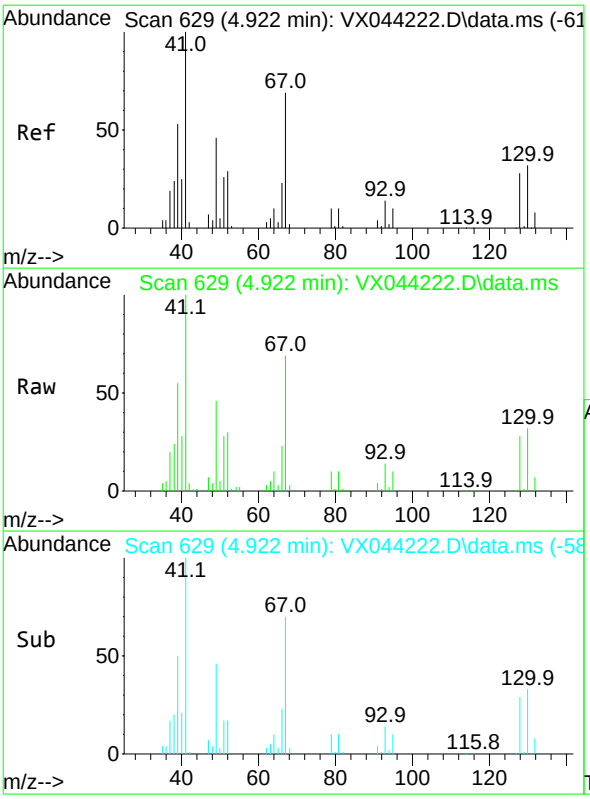



#40
Benzene
Concen: 51.863 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 78 Resp: 329154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.3 | 28.9 |

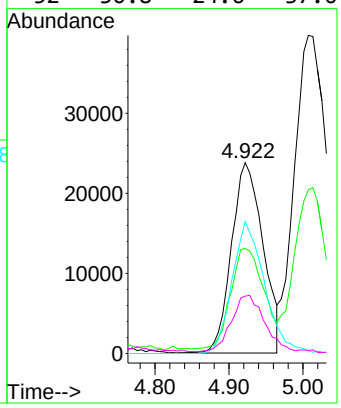





#41
Methacrylonitrile
Concen: 51.329 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 70427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.3 | 44.2 | 66.4 |
| 67 | 71.5 | 57.2 | 85.8 |
| 52 | 30.8 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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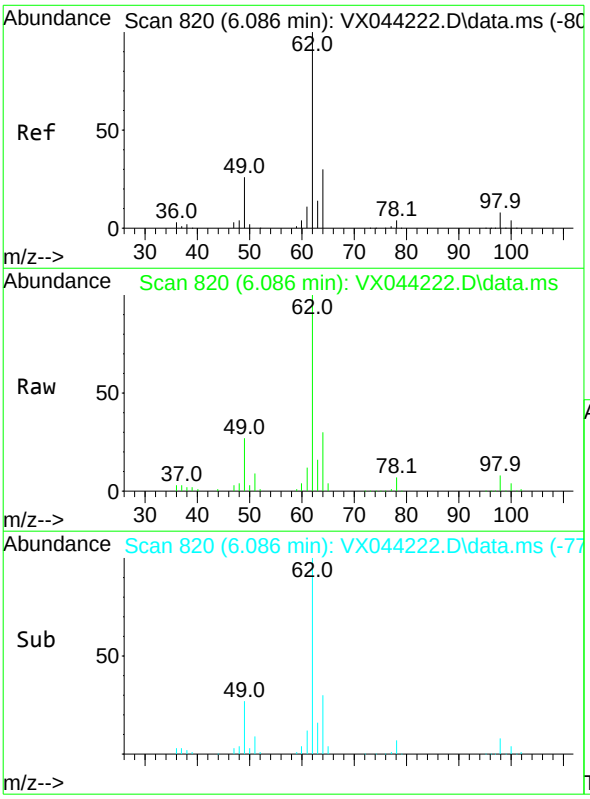
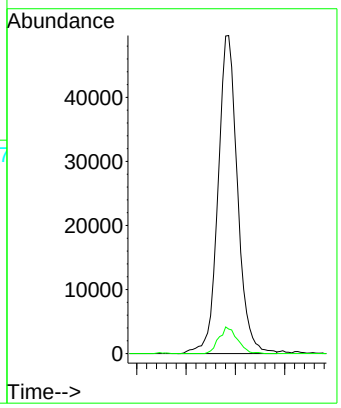
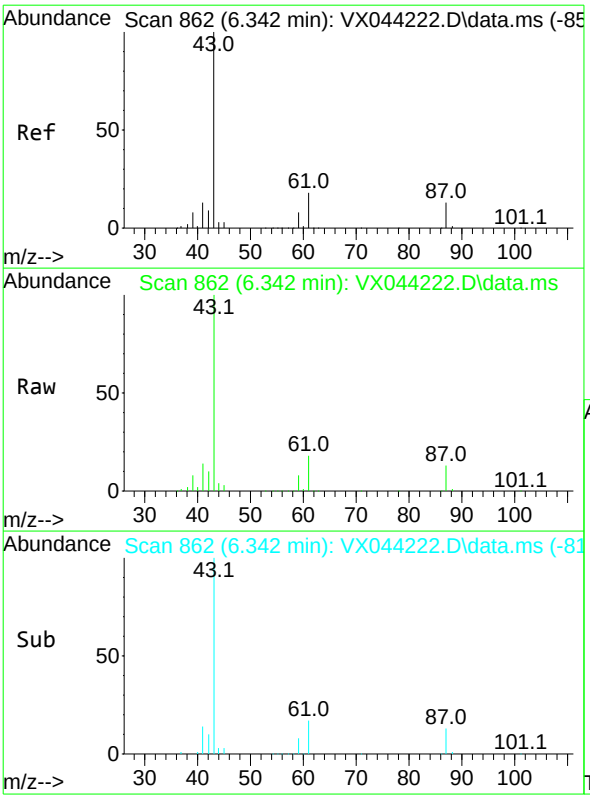



#42
1,2-Dichloroethane
Concen: 52.138 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 62 Resp: 136309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.9 | 0.0 | 15.8 |






#43
Isopropyl Acetate
Concen: 52.961 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 213891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.7 | 14.2 | 21.2 |
| 87 | 12.7 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

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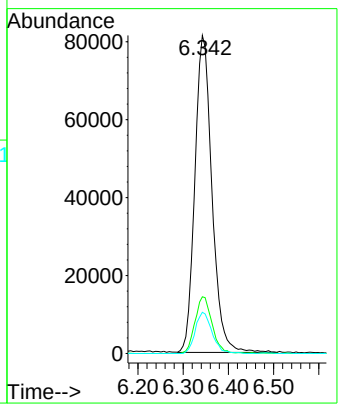
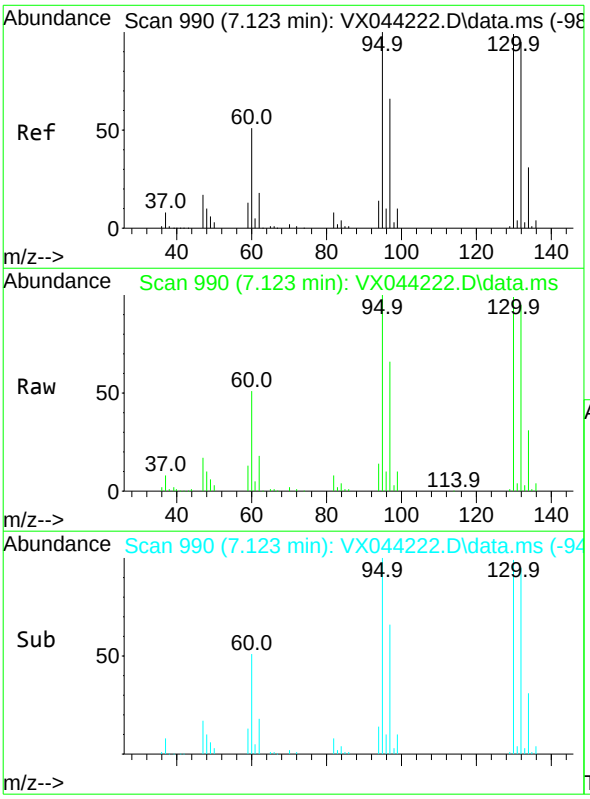
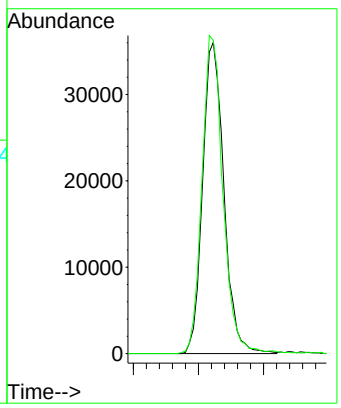


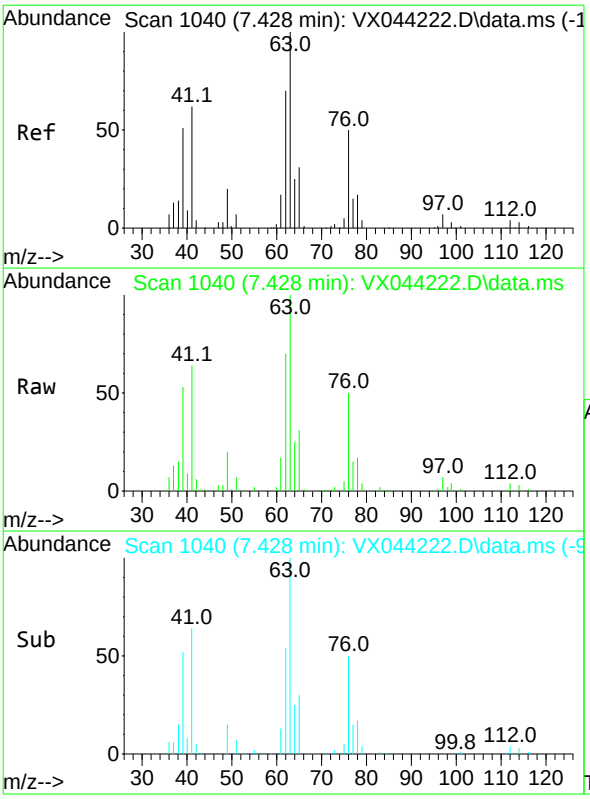




#44
Trichloroethene
Concen: 51.521 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:130 Resp: 81542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.7 | 0.0 | 201.4 |

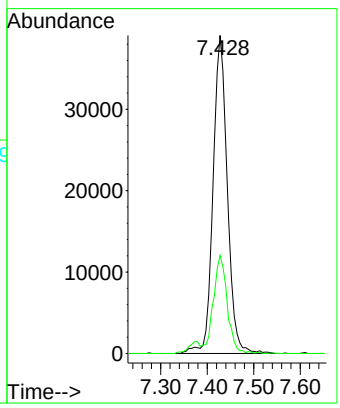





#45
1,2-Dichloropropane
Concen: 51.420 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 83376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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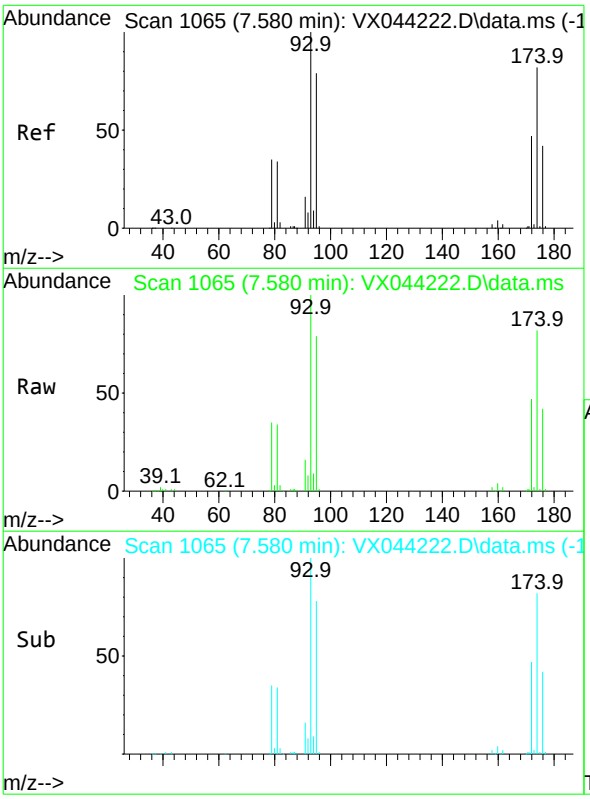
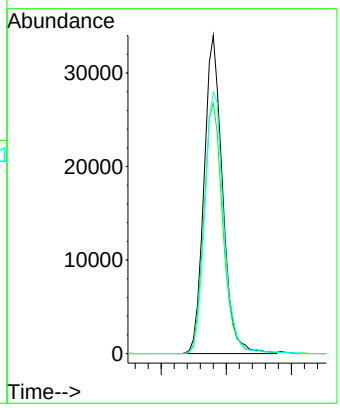
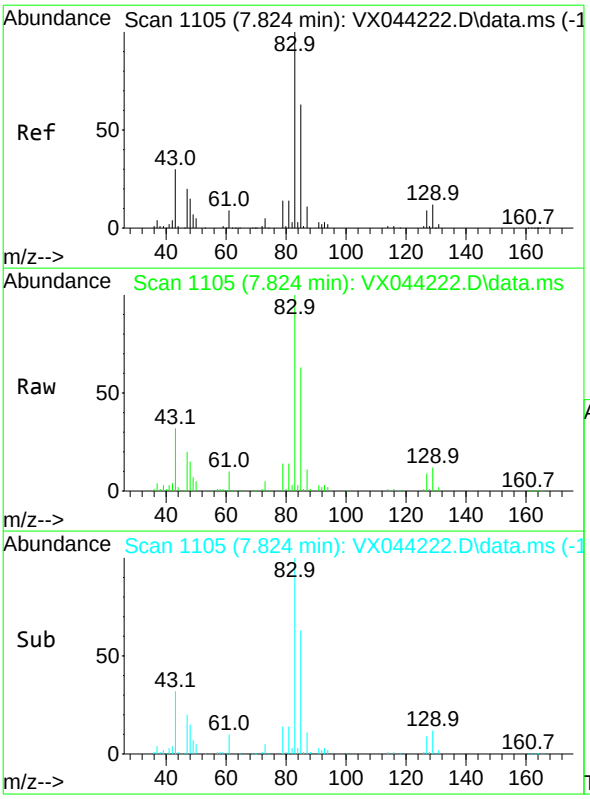



#46
Dibromomethane
Concen: 53.092 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 93 Resp: 66786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.8 | 65.4 | 98.2 |
| 174 | 84.9 | 67.9 | 101.9 |

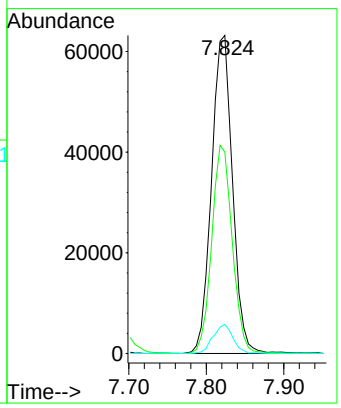





#47
Bromodichloromethane
Concen: 54.607 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 118634

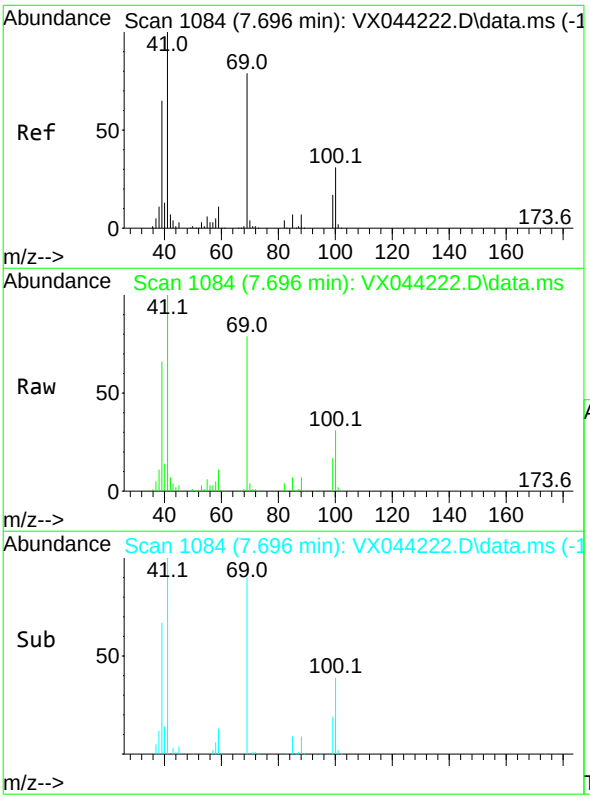
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 50.6 | 75.8 |
| 127 | 9.1 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

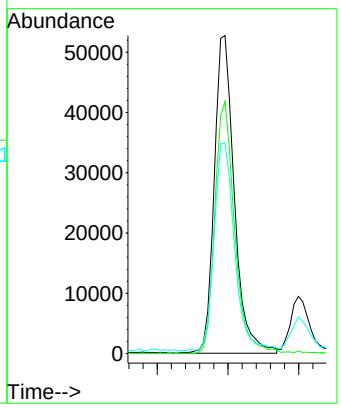
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

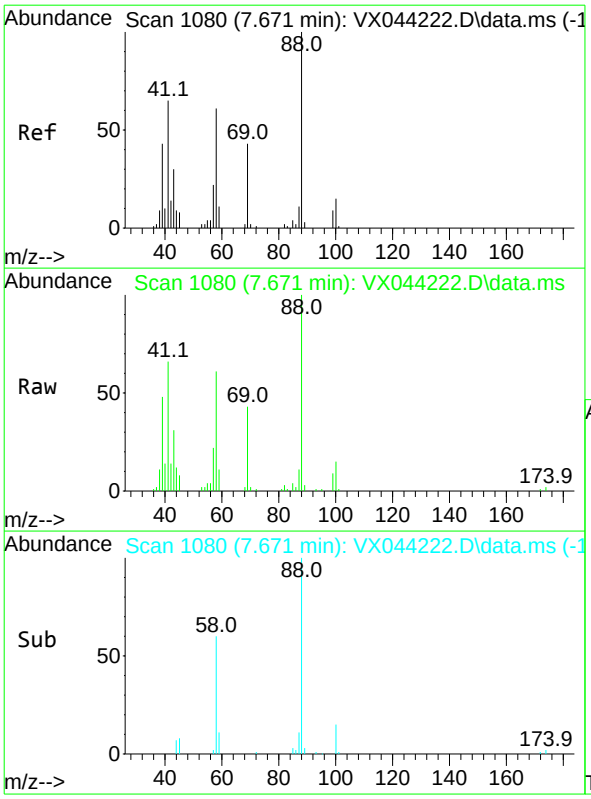



#48
Methyl methacrylate
Concen: 52.909 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 103726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.0 | 62.4 | 93.6 |
| 39 | 66.6 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 1052.498 ug/l m
RT: 7.671 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 88 Resp: 35263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.2 | 27.1 | 40.7 |
| 58 | 54.7 | 41.0 | 61.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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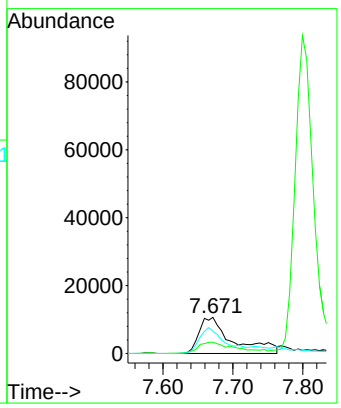
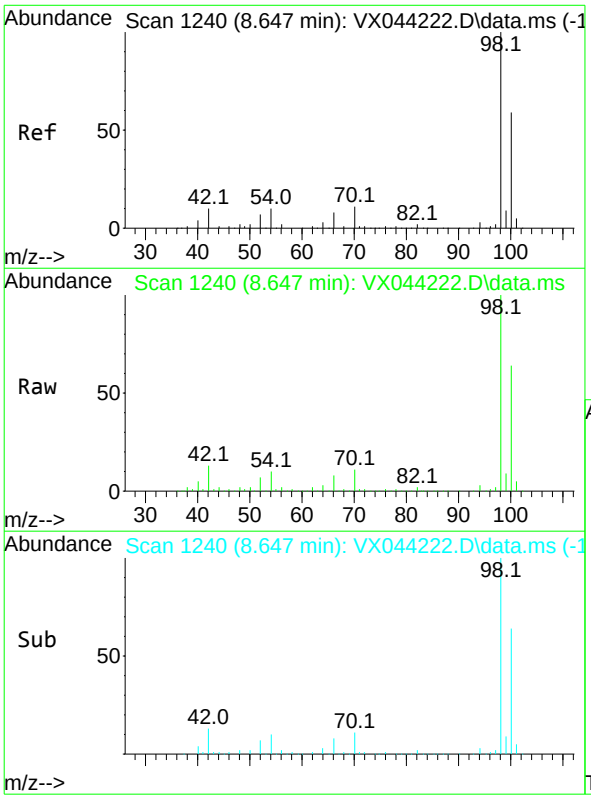
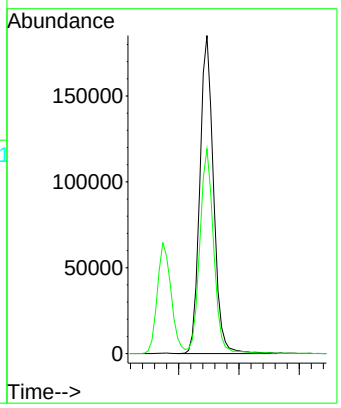


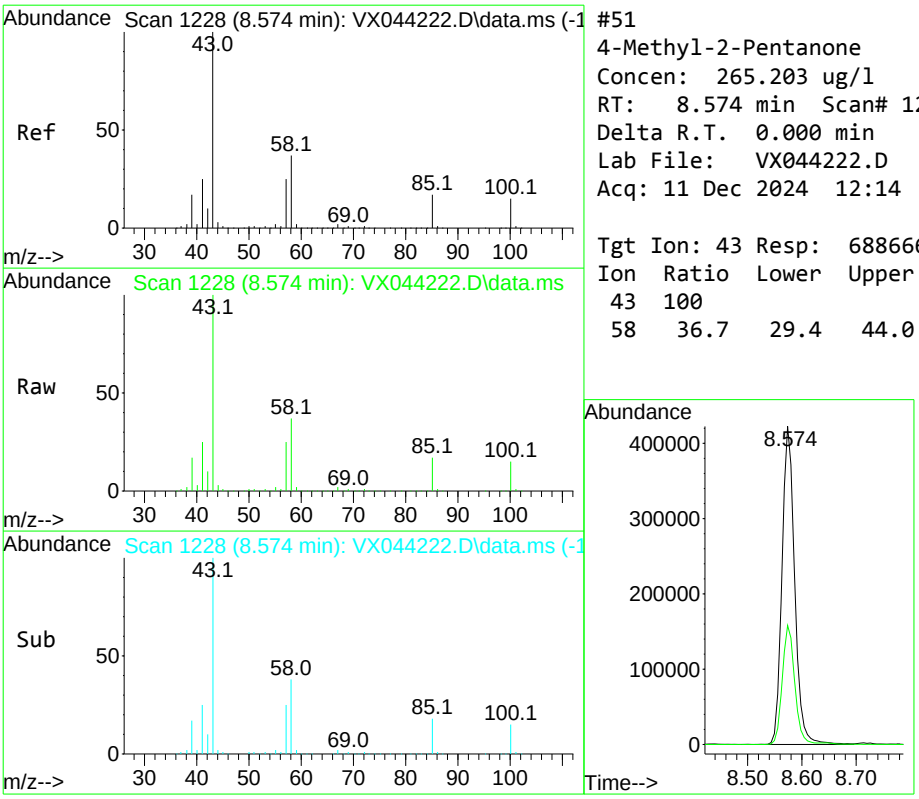




#50
Toluene-d8
Concen: 53.559 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 98 Resp: 292199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 51.5 | 77.3 |






#51
4-Methyl-2-Pentanone
Concen: 265.203 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 688666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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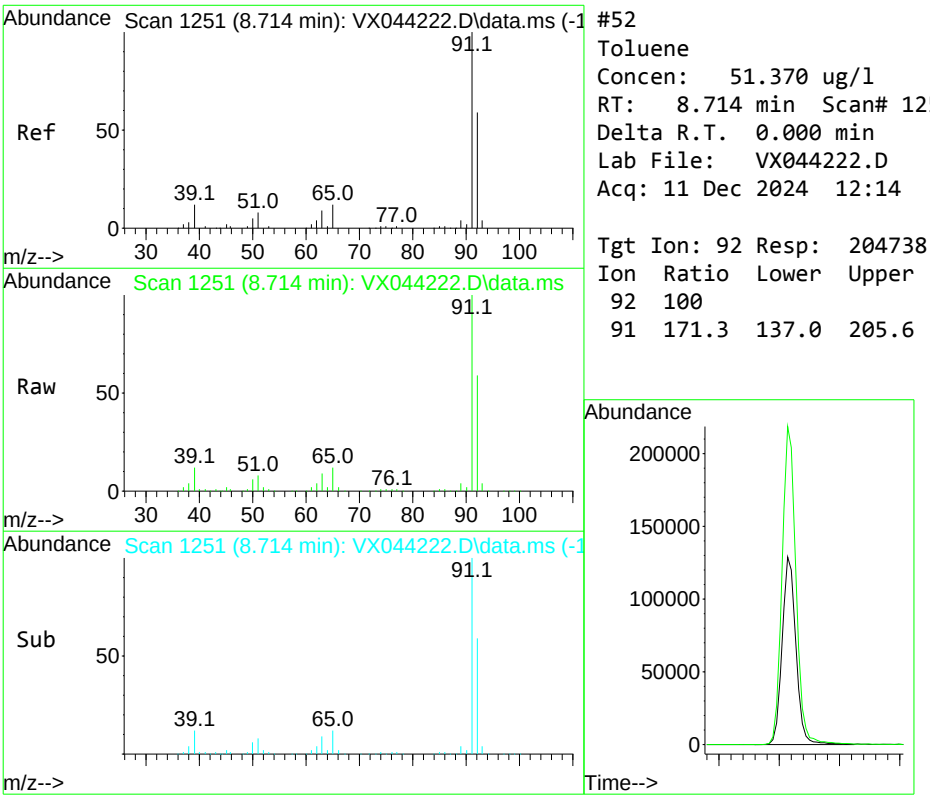
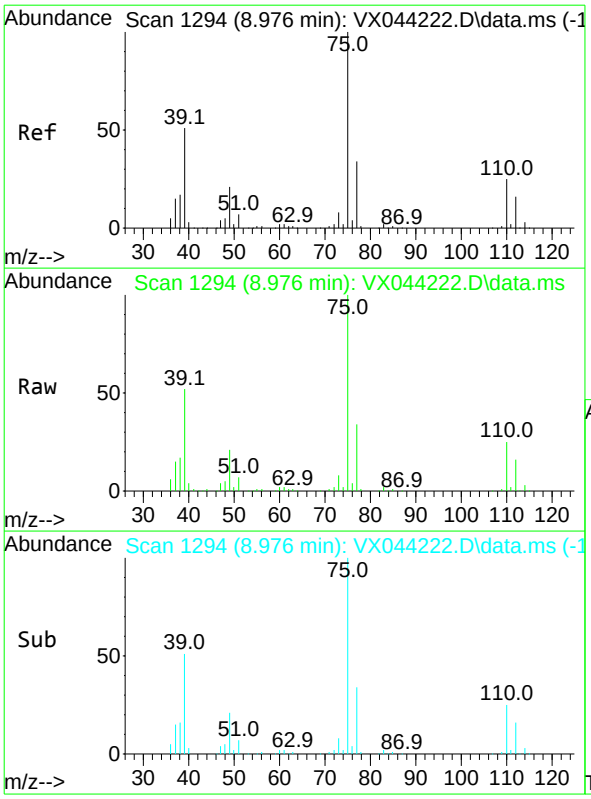



#52
Toluene
Concen: 51.370 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 92 Resp: 204738

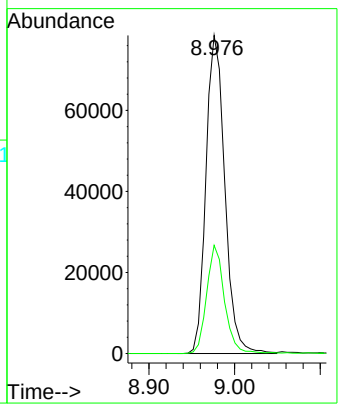
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.3 | 137.0 | 205.6 |




#53
t-1,3-Dichloropropene
Concen: 51.362 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 120007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.0 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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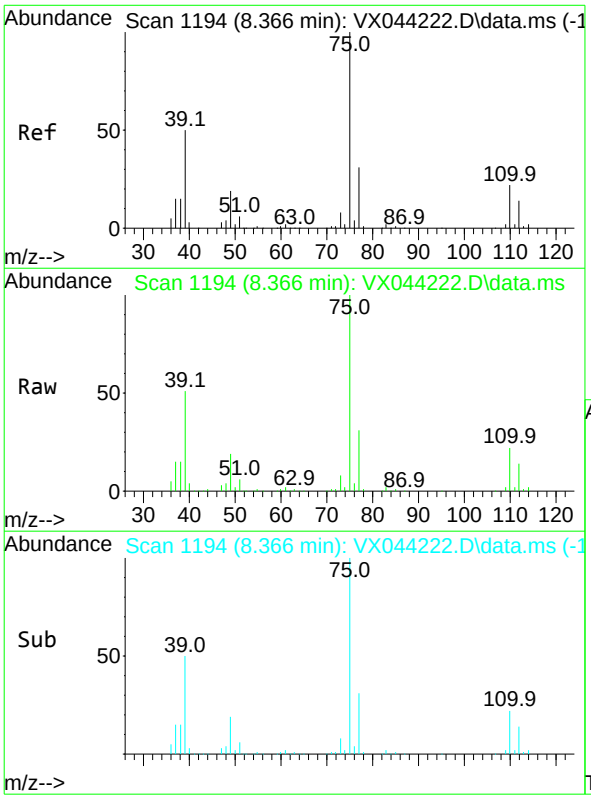
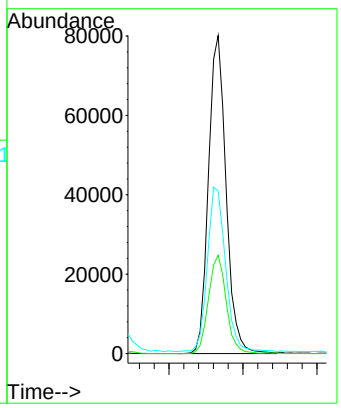
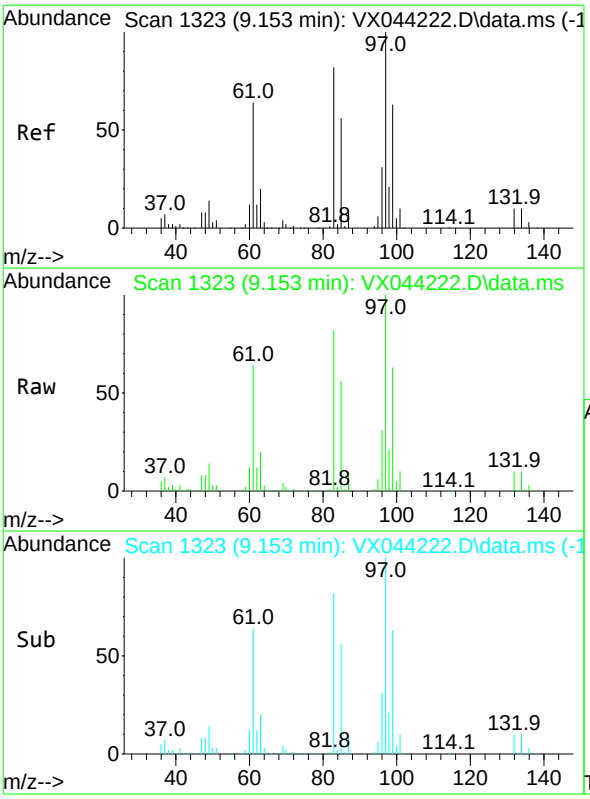



#54
cis-1,3-Dichloropropene
Concen: 55.923 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 132286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 24.7 | 37.1 |
| 39 | 50.4 | 40.3 | 60.5 |

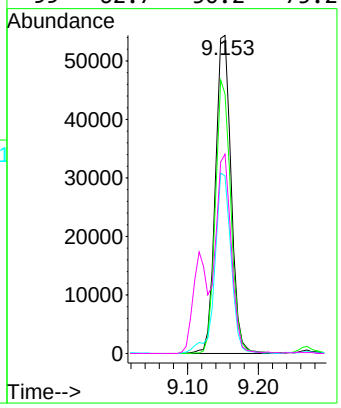





#55
1,1,2-Trichloroethane
Concen: 52.729 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 97 Resp: 83488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.6 | 65.3 | 97.9 |
| 85 | 55.8 | 44.6 | 67.0 |
| 99 | 62.7 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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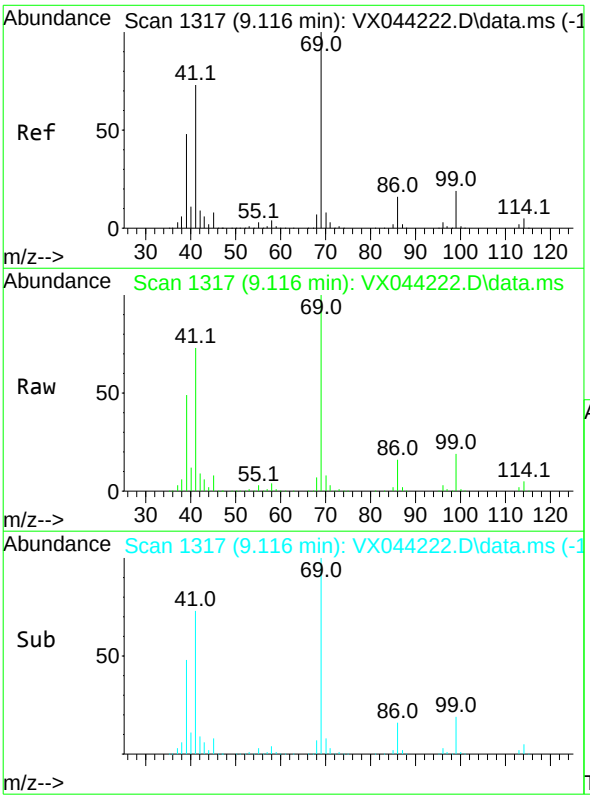
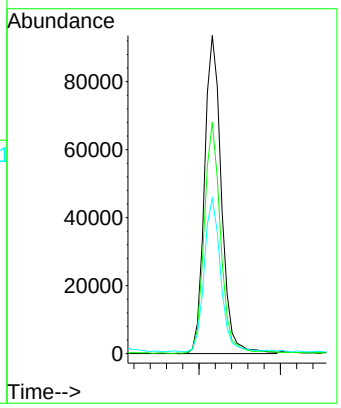
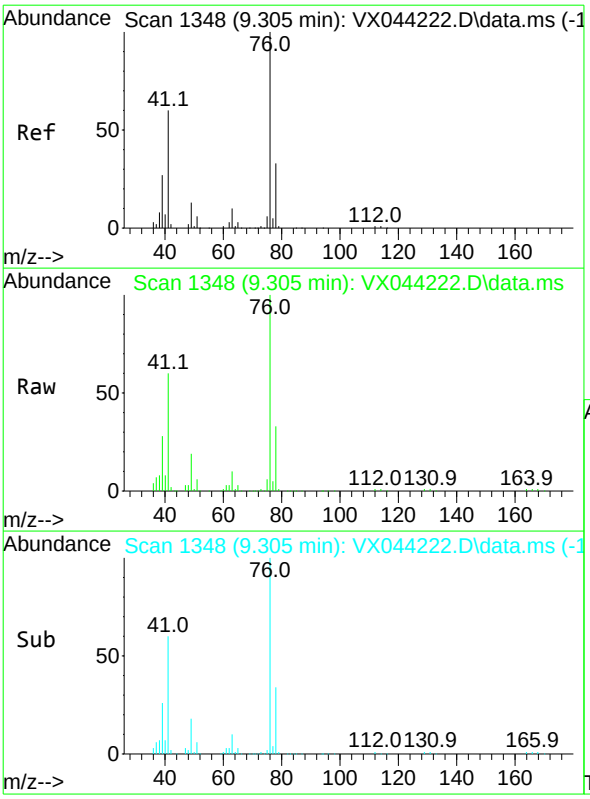



#56
Ethyl methacrylate
Concen: 53.917 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 69 Resp: 134770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.8 | 56.6 | 85.0 |
| 39 | 46.7 | 37.4 | 56.0 |

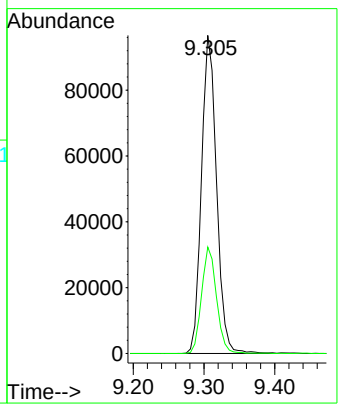





#57
1,3-Dichloropropane
Concen: 51.904 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 76 Resp: 143044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.1 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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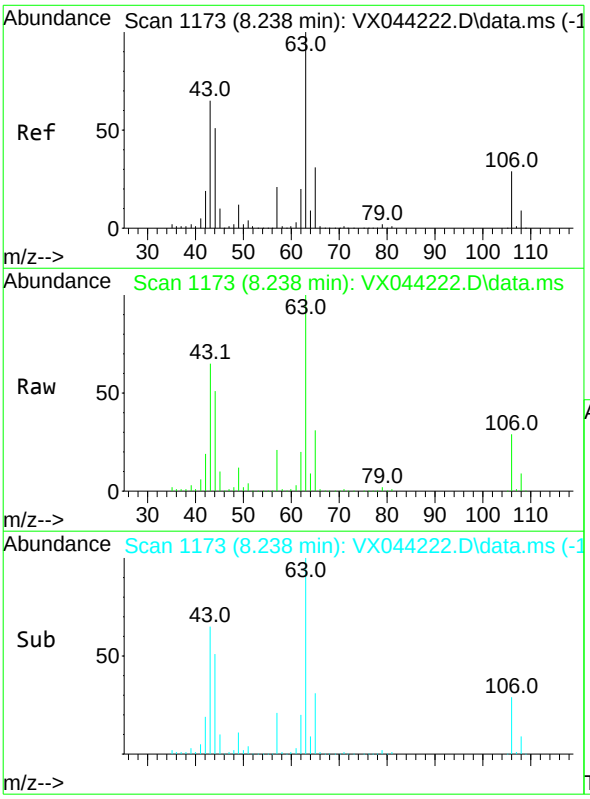
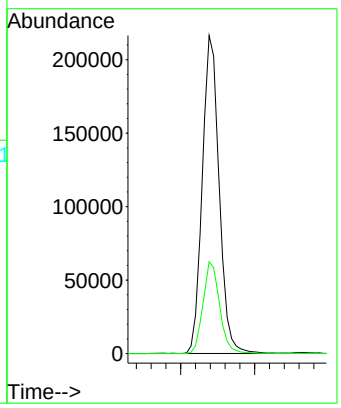
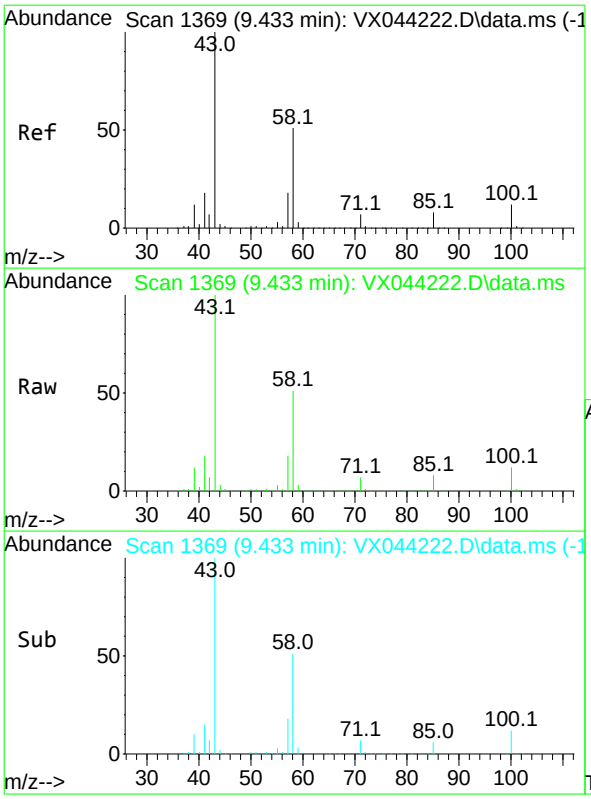



#58
2-Chloroethyl Vinyl ether
Concen: 271.745 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 342592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.5 | 22.8 | 34.2 |

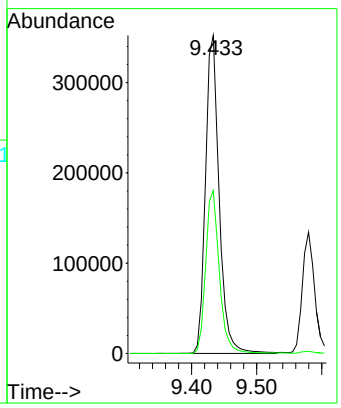





#59
2-Hexanone
Concen: 272.881 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 512906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.3 | 25.7 | 77.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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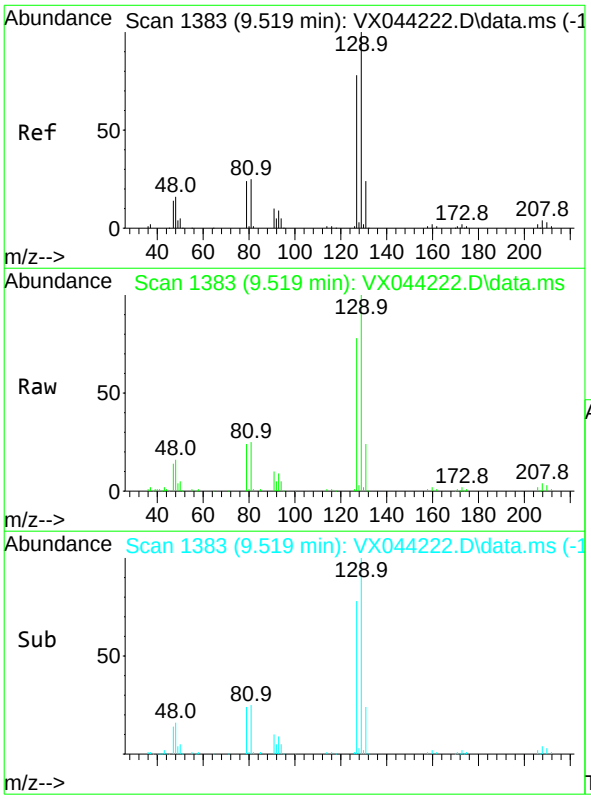
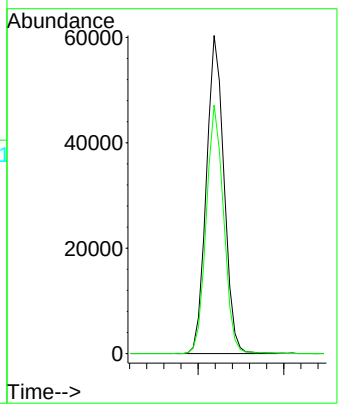
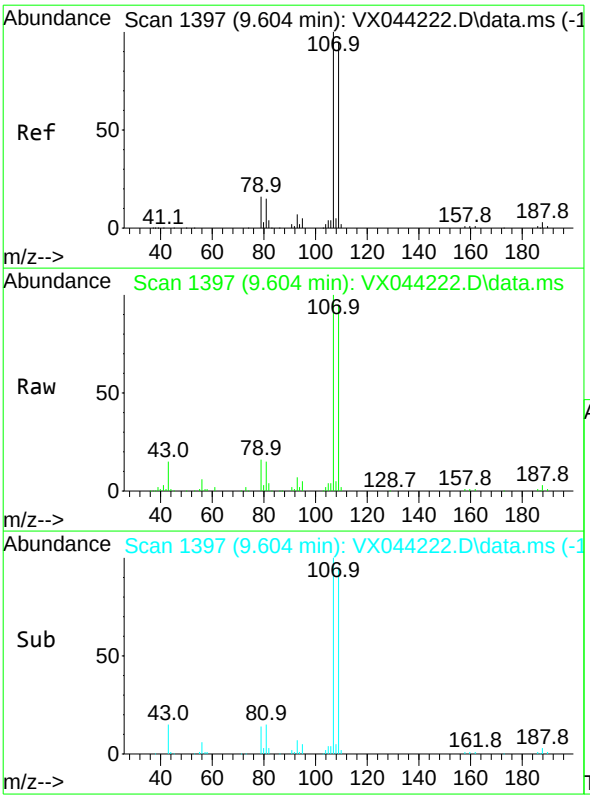



#60
Dibromochloromethane
Concen: 51.400 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:129 Resp: 86352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 38.5 | 115.3 |

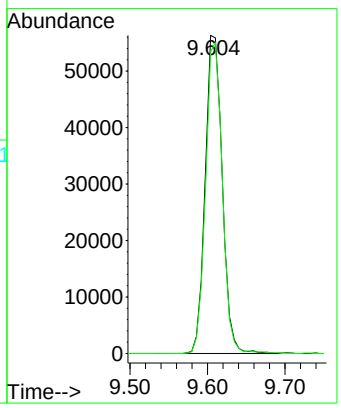





#61
1,2-Dibromoethane
Concen: 53.454 ug/l
RT: 9.604 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:107 Resp: 86150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.2 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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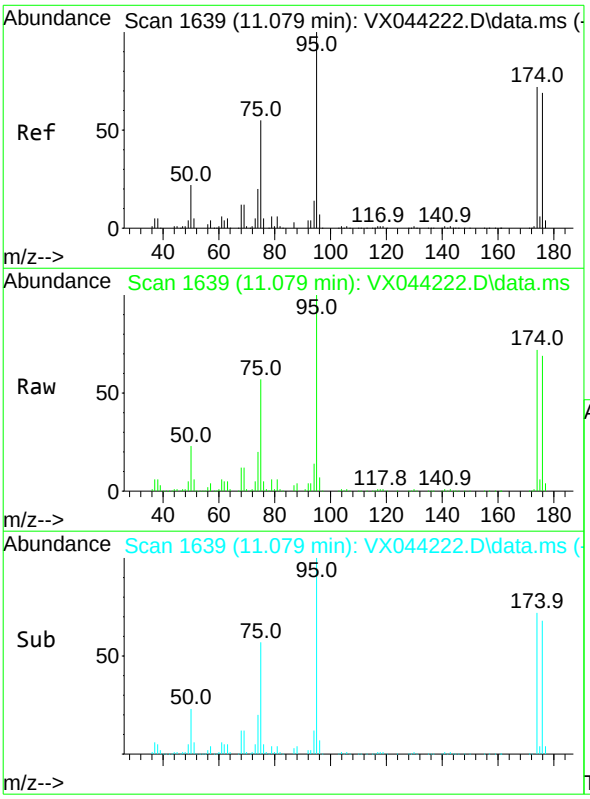
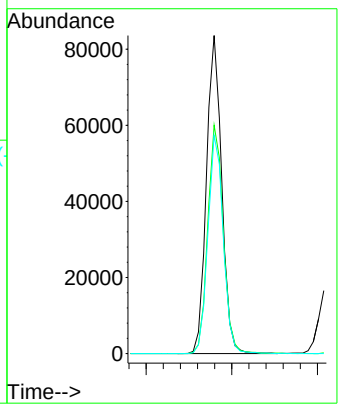
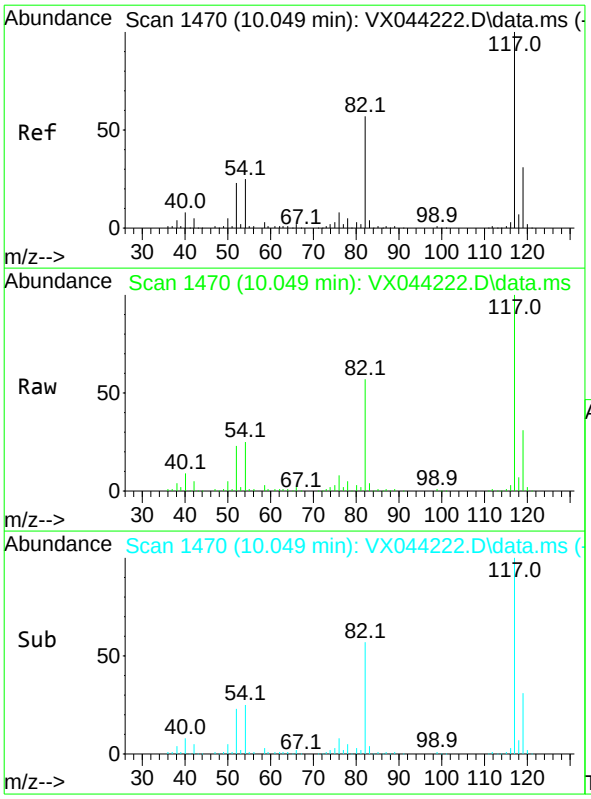



#62
4-Bromofluorobenzene
Concen: 54.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 95 Resp: 103178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.9 | 0.0 | 145.8 |
| 176 | 68.9 | 0.0 | 137.8 |

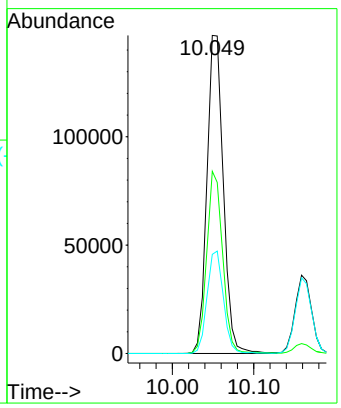





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 205196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.3 | 45.8 | 68.8 |
| 119 | 31.2 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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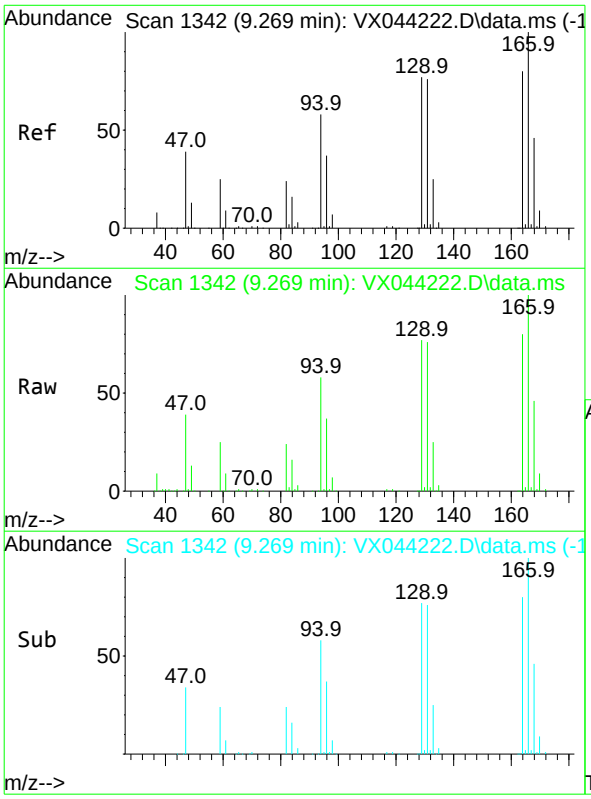
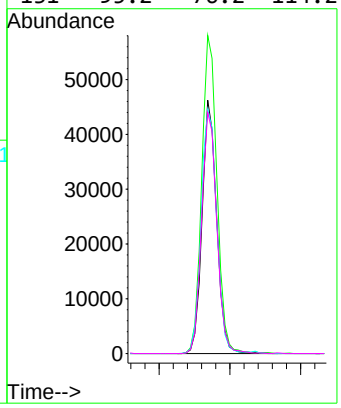
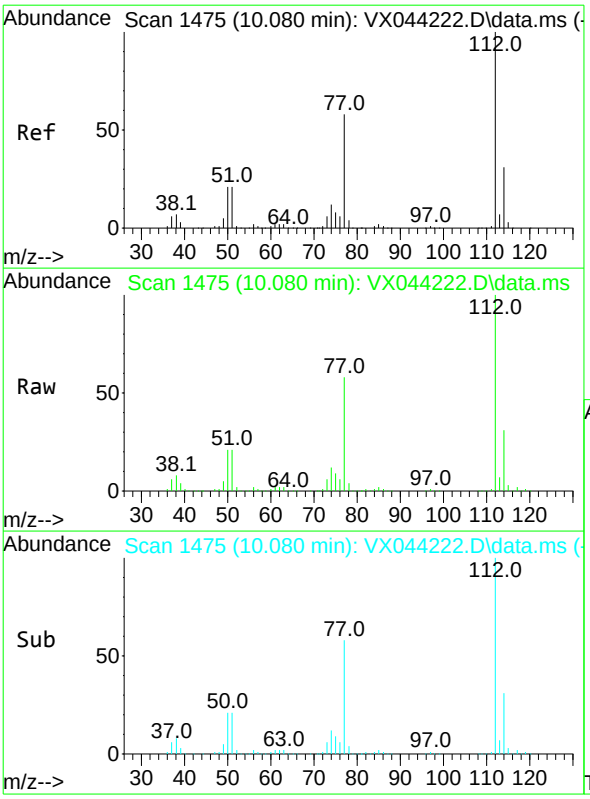



#64
Tetrachloroethene
Concen: 48.379 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:164 Resp: 65888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.5 | 100.4 | 150.6 |
| 129 | 96.5 | 77.2 | 115.8 |
| 131 | 95.2 | 76.2 | 114.2 |

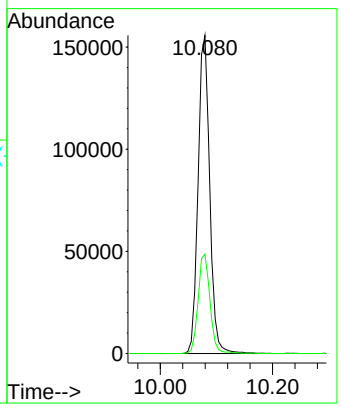





#65
Chlorobenzene
Concen: 50.779 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:112 Resp: 223269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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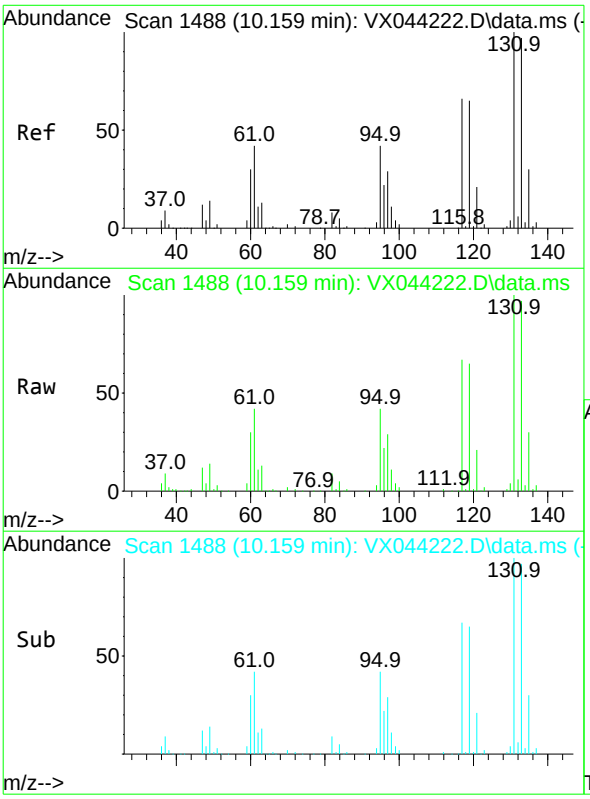
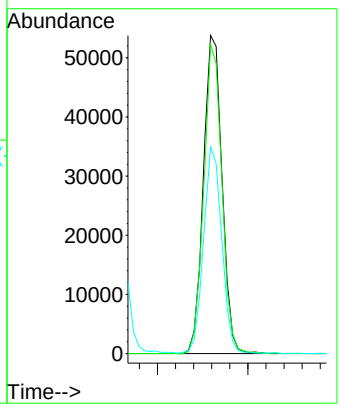
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

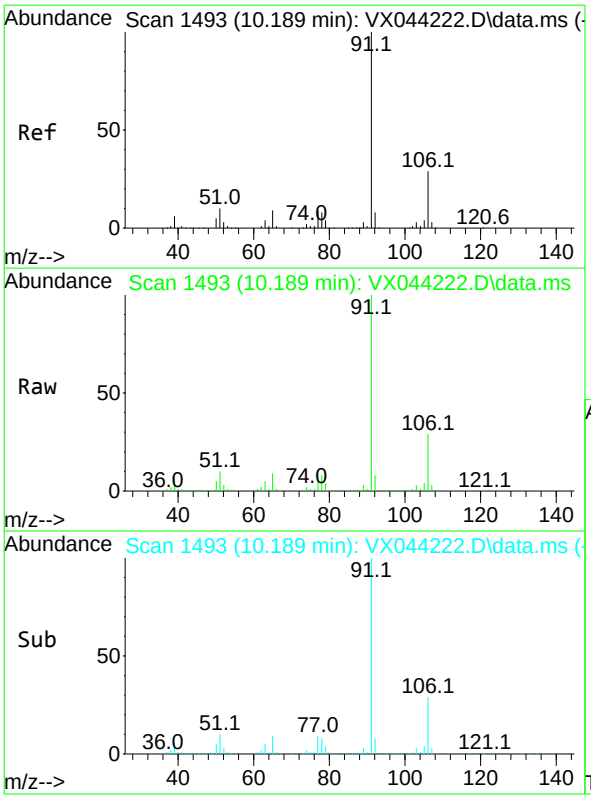



#66
1,1,1,2-Tetrachloroethane
Concen: 54.396 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:131 Resp: 76867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.8 |
| 119 | 63.3 | 31.6 | 95.0 |

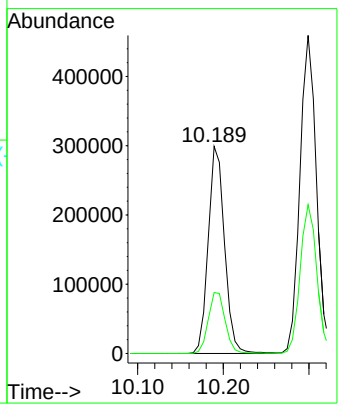





#67
Ethyl Benzene
Concen: 52.050 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 395430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.4 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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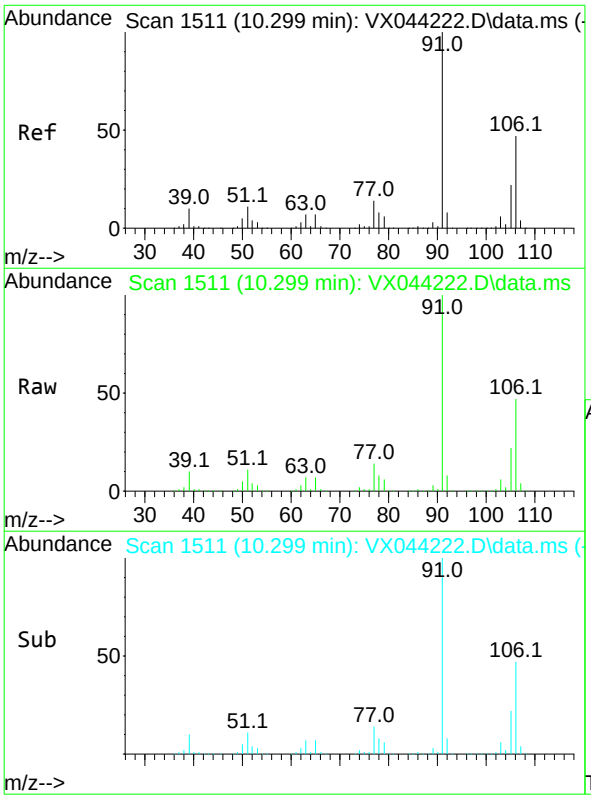
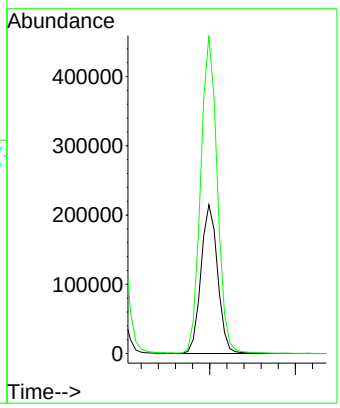
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

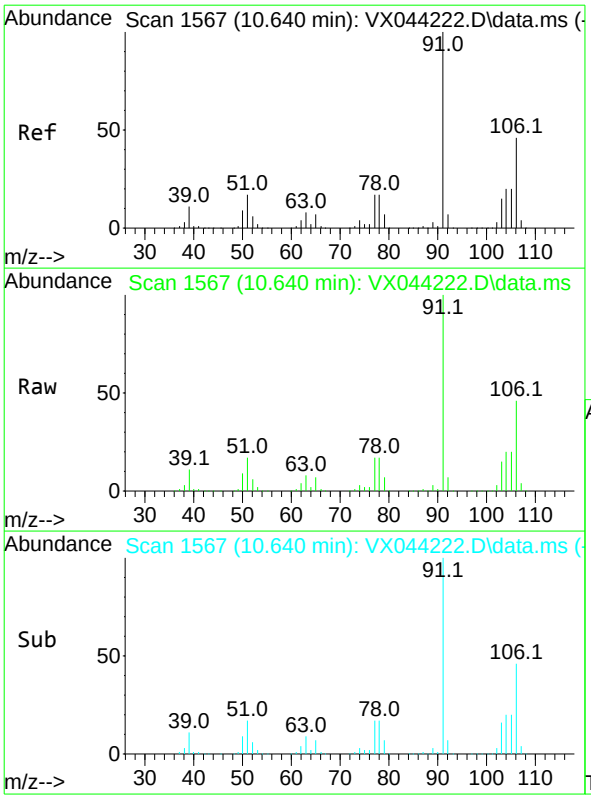



#68
m/p-Xylenes
Concen: 104.094 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:106 Resp: 290181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.7 | 170.2 | 255.2 |

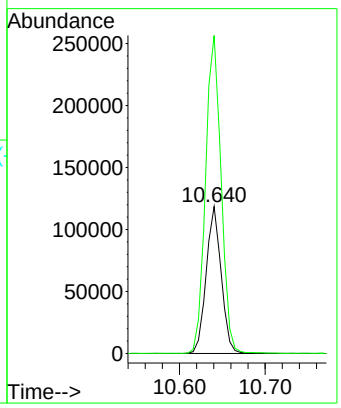





#69
o-Xylene
Concen: 51.141 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:106 Resp: 144247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 224.7 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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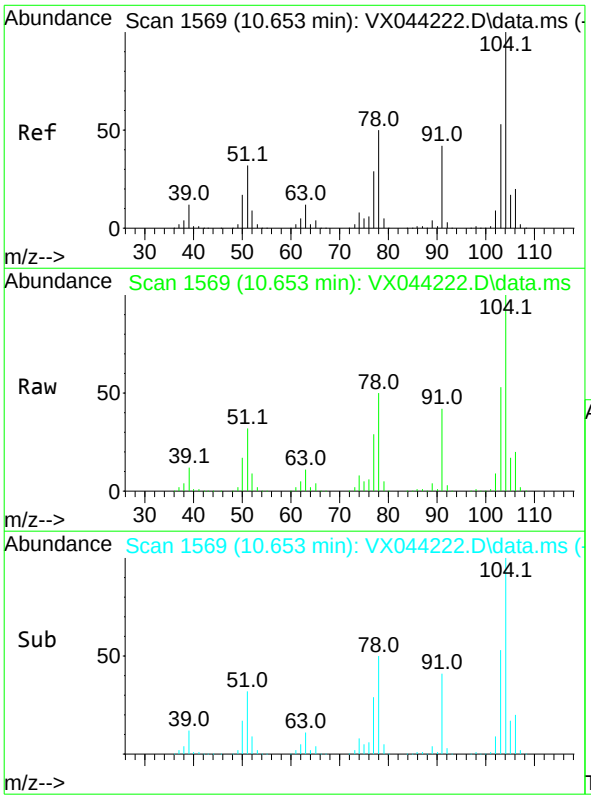
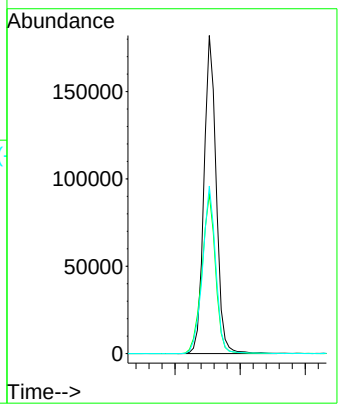
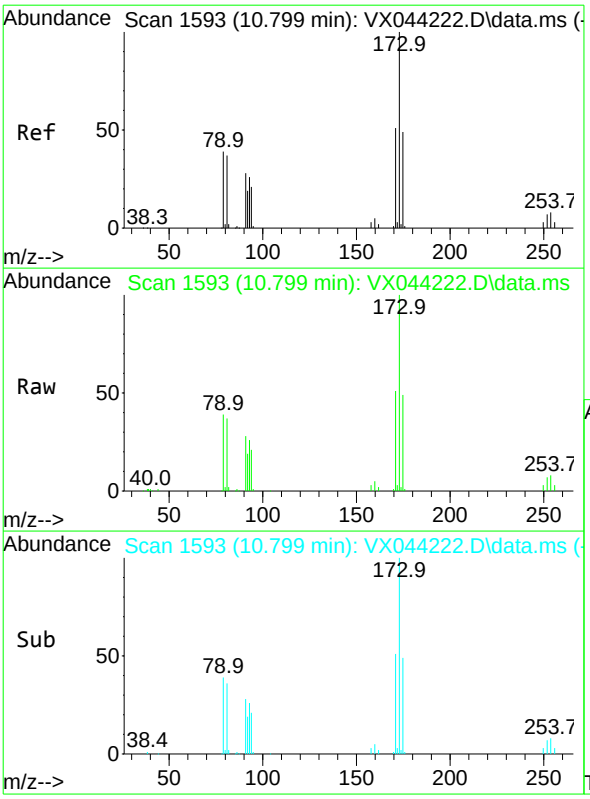



#70
Styrene
Concen: 52.719 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:104 Resp: 238379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 55.8 | 44.6 | 67.0 |
| 103 | 56.7 | 45.4 | 68.0 |

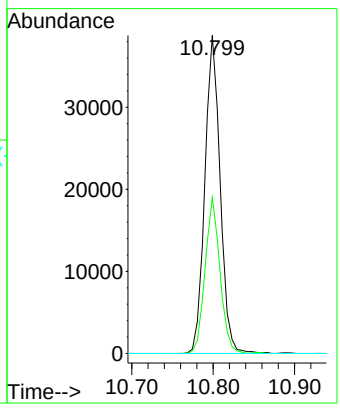





#71
Bromoform
Concen: 51.158 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:173 Resp: 50667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.6 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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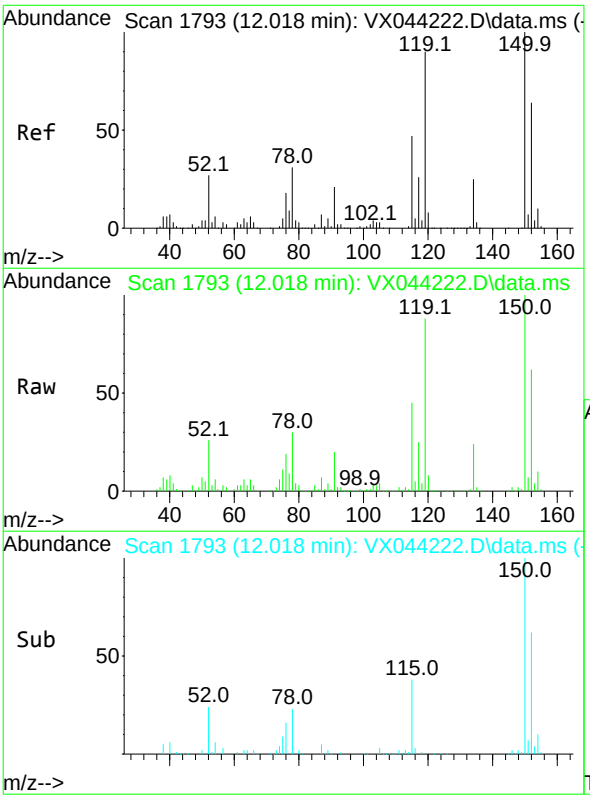
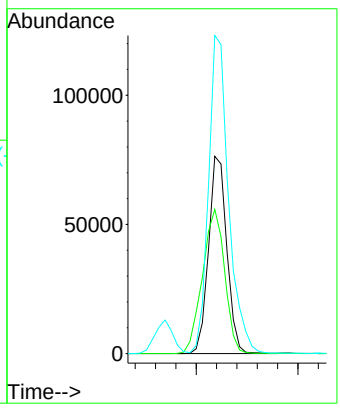
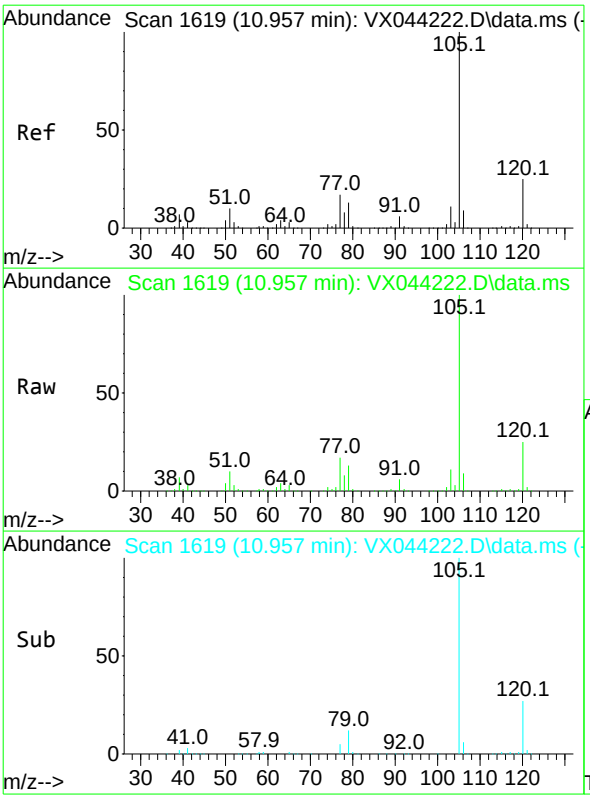



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:152 Resp: 95227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 88.9 | 44.5 | 133.3 |
| 150 | 176.9 | 0.0 | 353.8 |

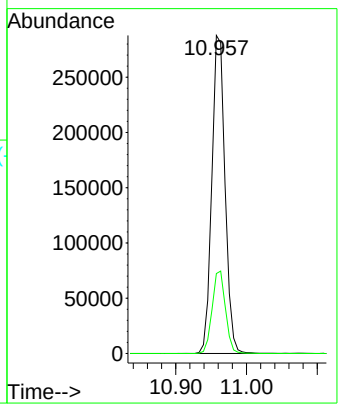





#73
Isopropylbenzene
Concen: 51.100 ug/l
RT: 10.957 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 372519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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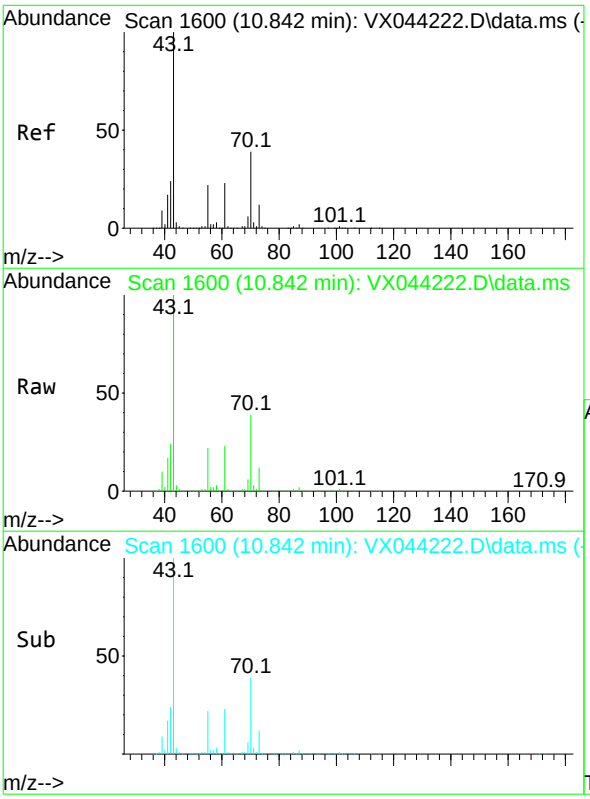
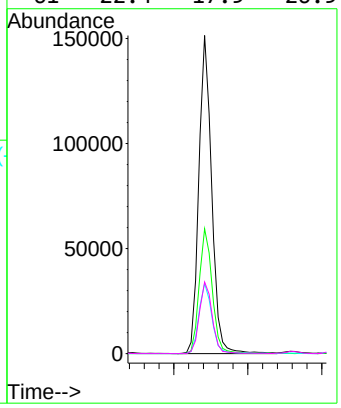
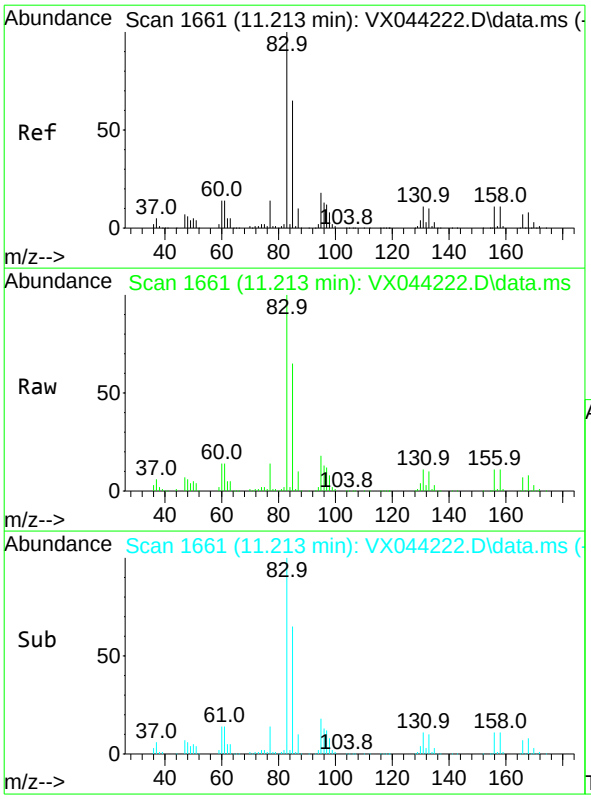



#74
N-amyl acetate
Concen: 54.166 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 182491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.9 | 31.9 | 47.9 |
| 55 | 22.4 | 17.9 | 26.9 |
| 61 | 22.4 | 17.9 | 26.9 |

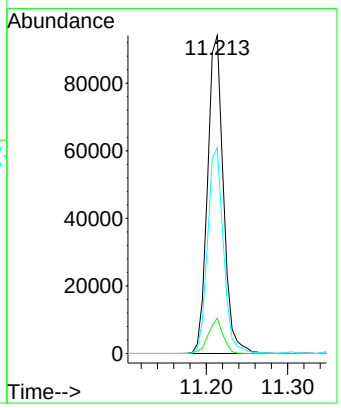





#75
1,1,2,2-Tetrachloroethane
Concen: 50.233 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 127193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.1 | 15.4 |
| 85 | 64.9 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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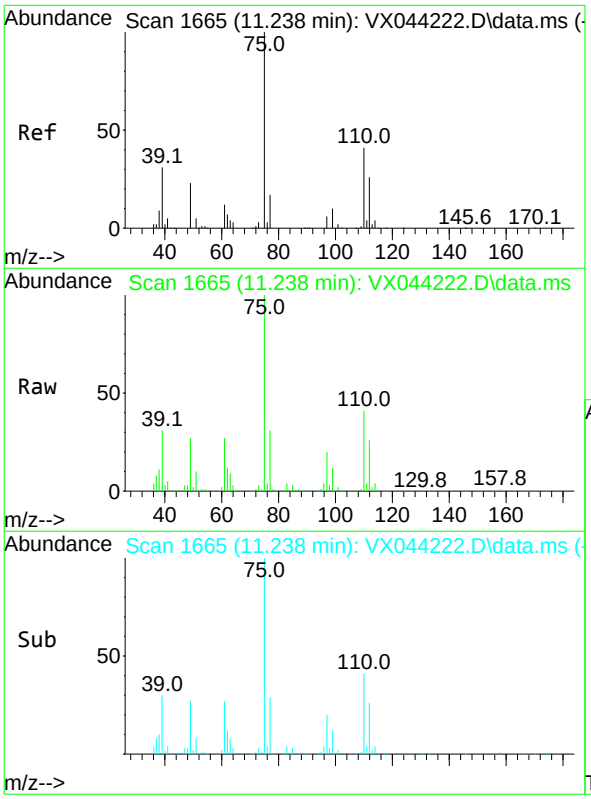
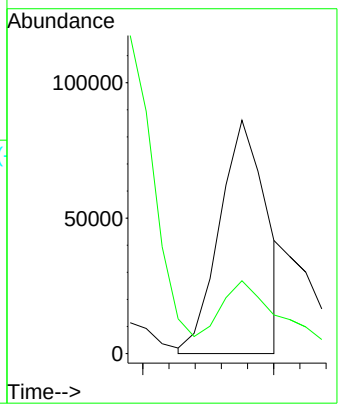
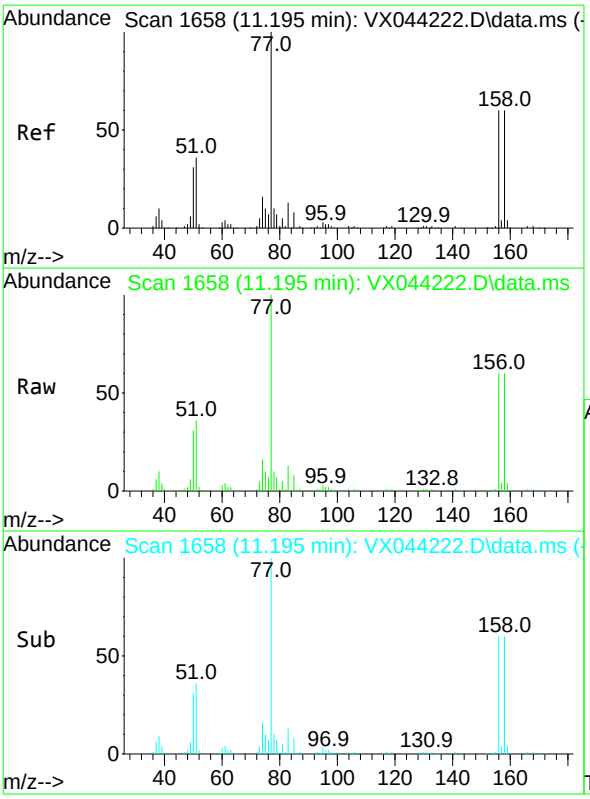



#76
1,2,3-Trichloropropane
Concen: 49.518 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 107003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.8 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 50.734 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:156 Resp: 89687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.2 | 82.6 | 247.8 |
| 158 | 97.6 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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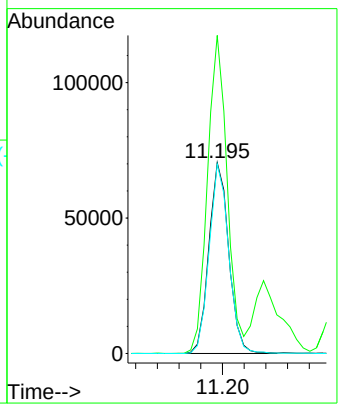
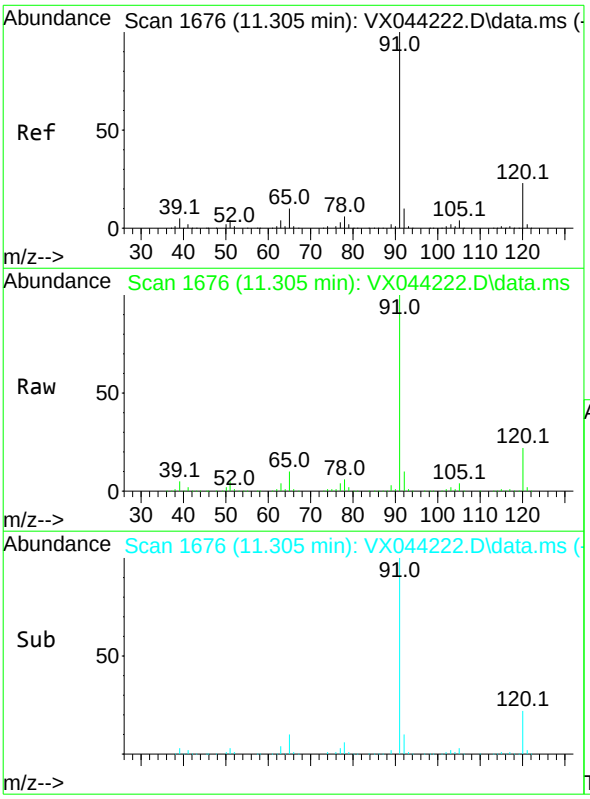
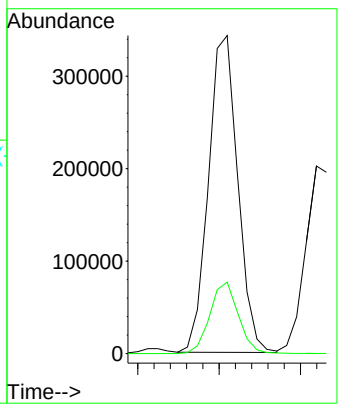


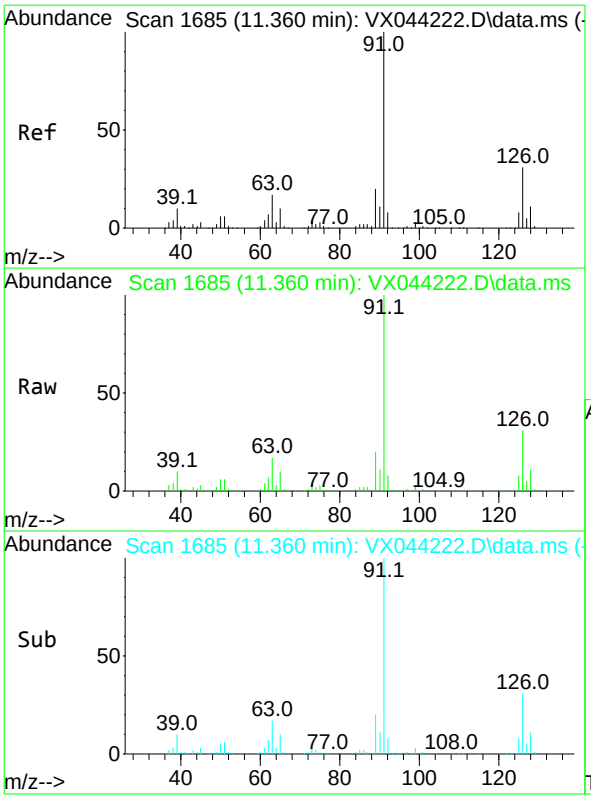




#78
n-propylbenzene
Concen: 53.211 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 428741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.0 | 11.0 | 33.0 |

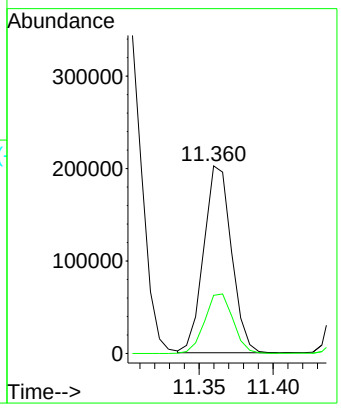





#79
2-Chlorotoluene
Concen: 50.634 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 263849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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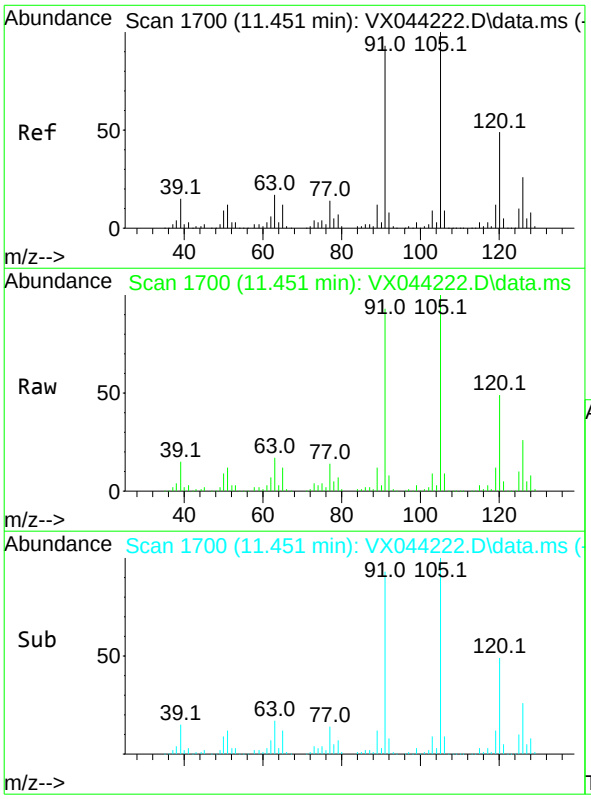
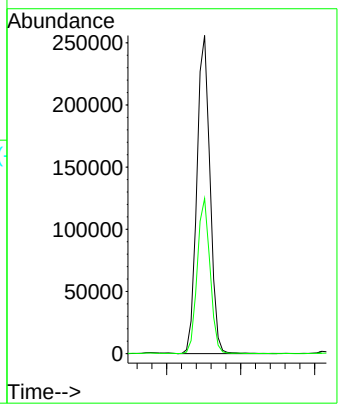
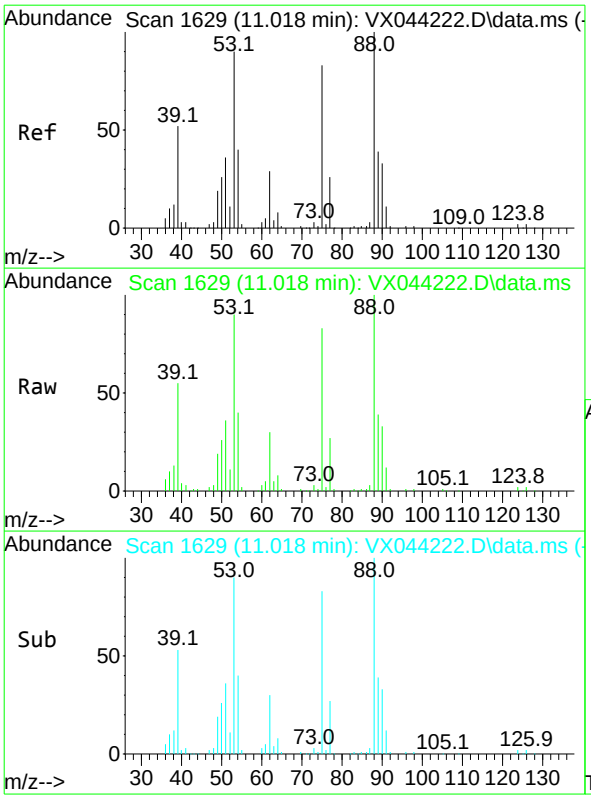



#80
1,3,5-Trimethylbenzene
Concen: 52.102 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 314986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 23.8 | 71.4 |

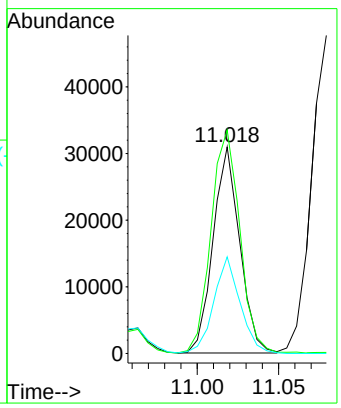





#81
trans-1,4-Dichloro-2-butene
Concen: 47.628 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 35119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 117.0 | 93.6 | 140.4 |
| 89 | 46.6 | 37.3 | 55.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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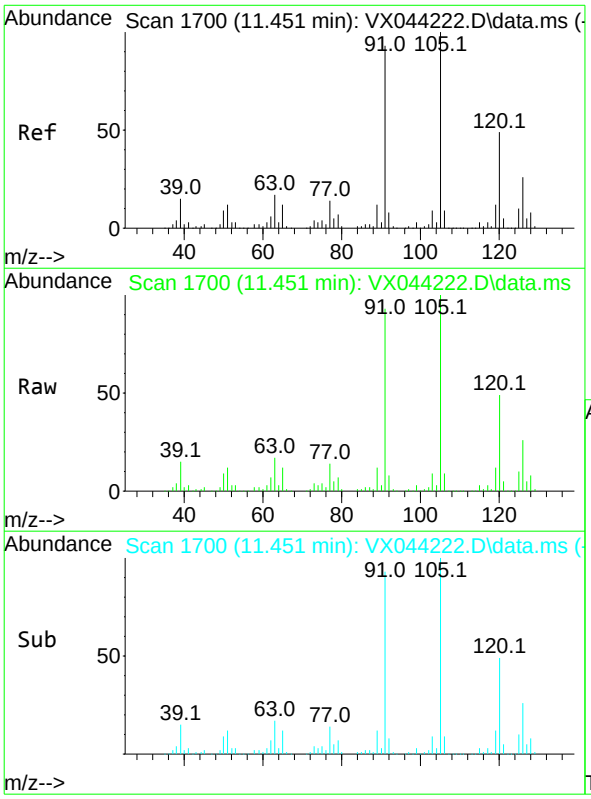
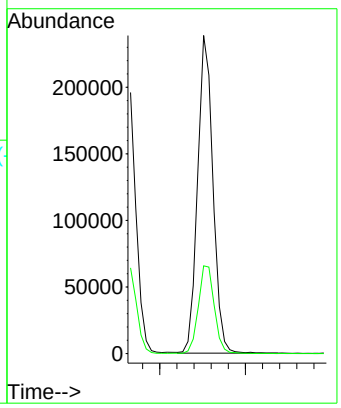
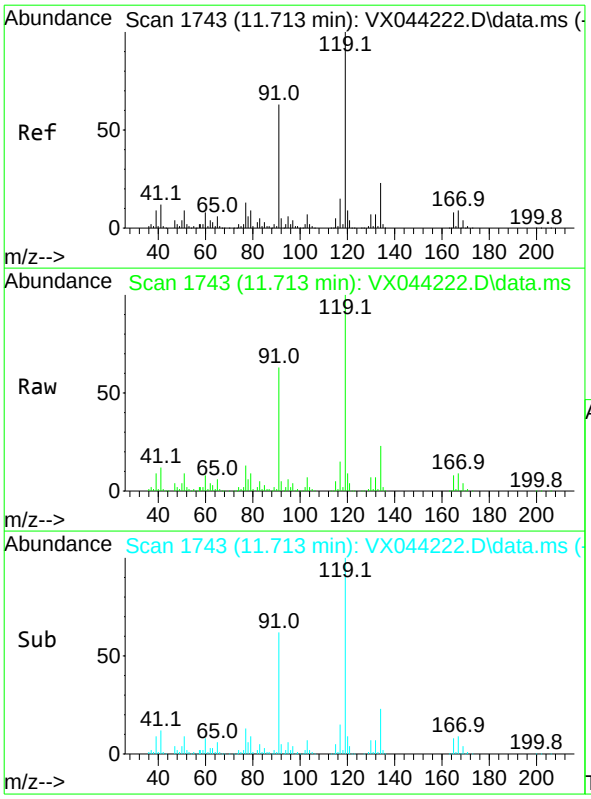



#82
4-Chlorotoluene
Concen: 51.387 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 296520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.5 | 43.5 |

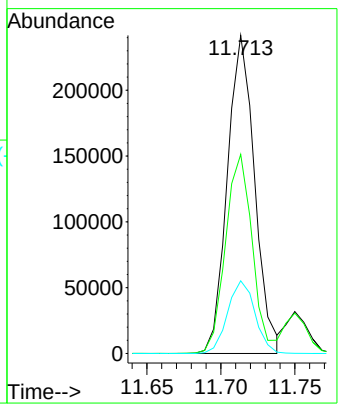





#83
tert-Butylbenzene
Concen: 51.940 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:119 Resp: 310320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.7 | 30.9 | 92.5 |
| 134 | 22.9 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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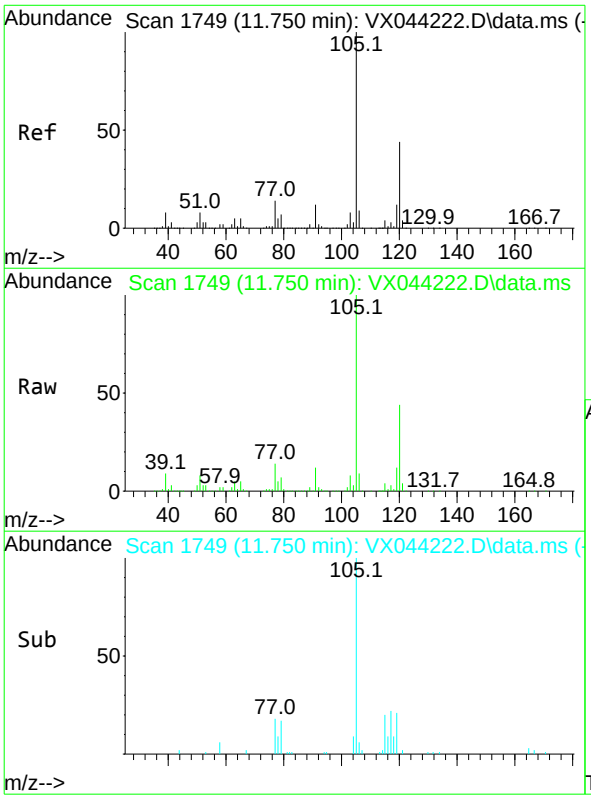
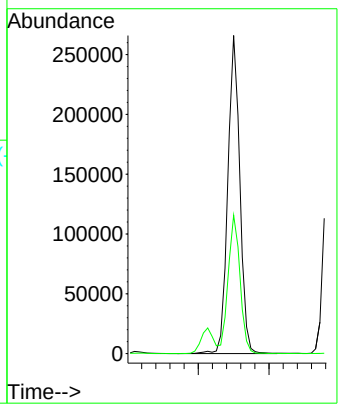
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

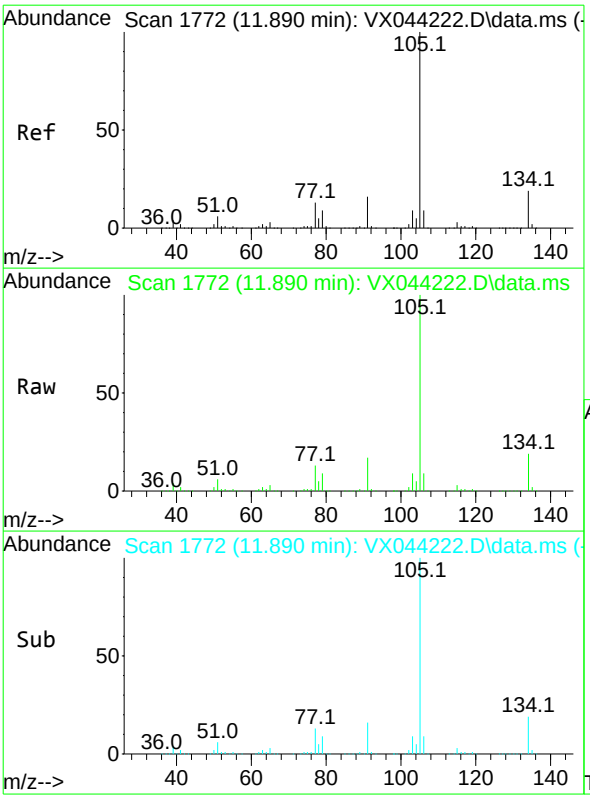



#84
1,2,4-Trimethylbenzene
Concen: 52.776 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 313338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.4 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 52.329 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

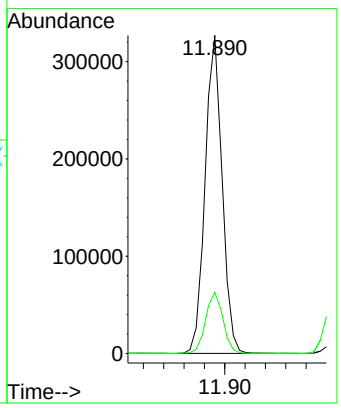
Tgt Ion:105 Resp: 379552

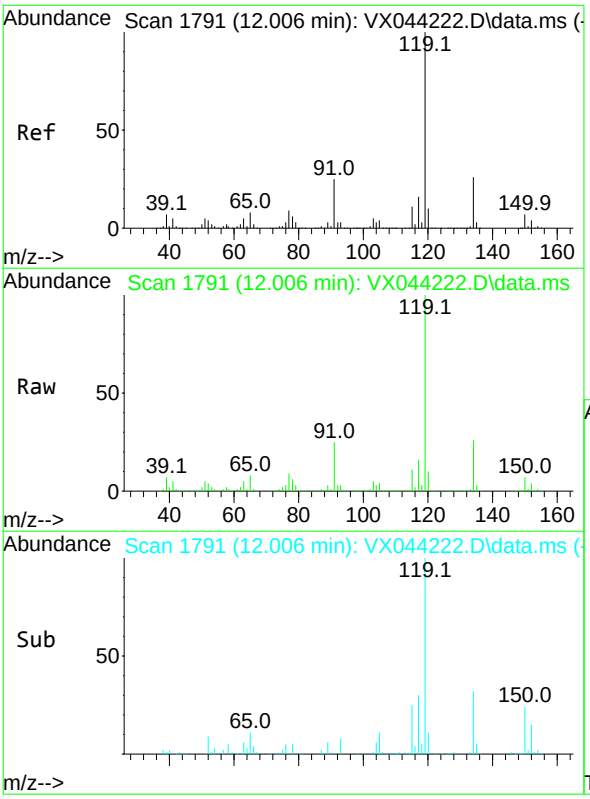
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

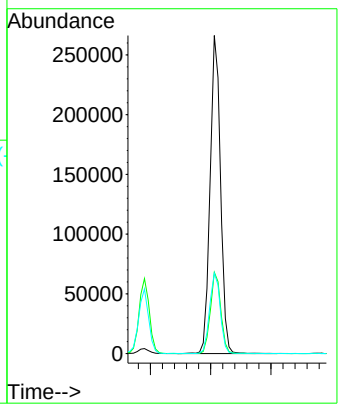


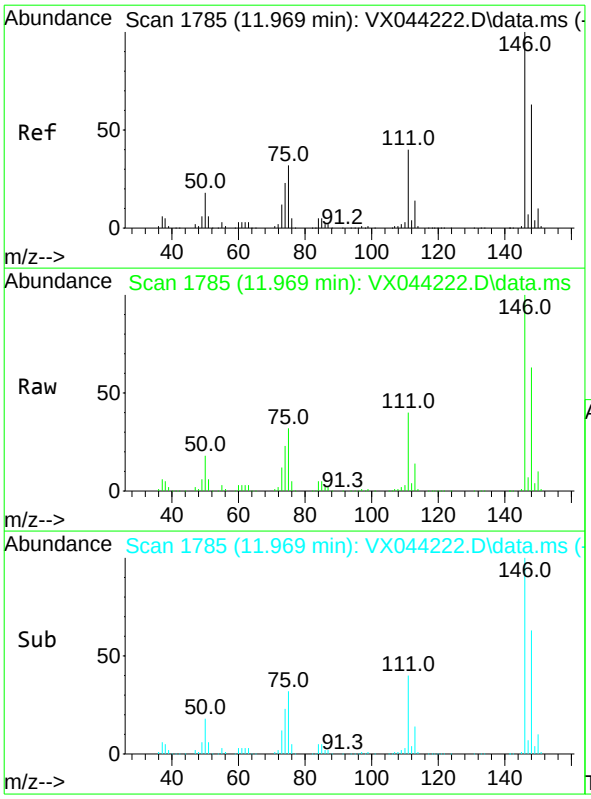




#86
p-Isopropyltoluene
Concen: 52.796 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:119 Resp: 318721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 12.8 | 38.4 |
| 91 | 26.0 | 13.0 | 39.0 |

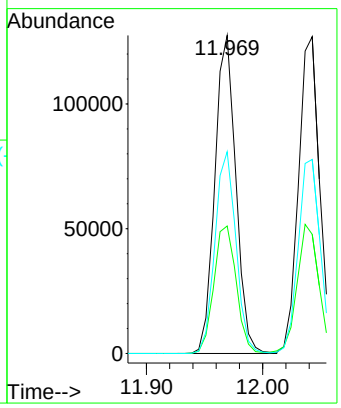





#87
1,3-Dichlorobenzene
Concen: 51.887 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:146 Resp: 160223

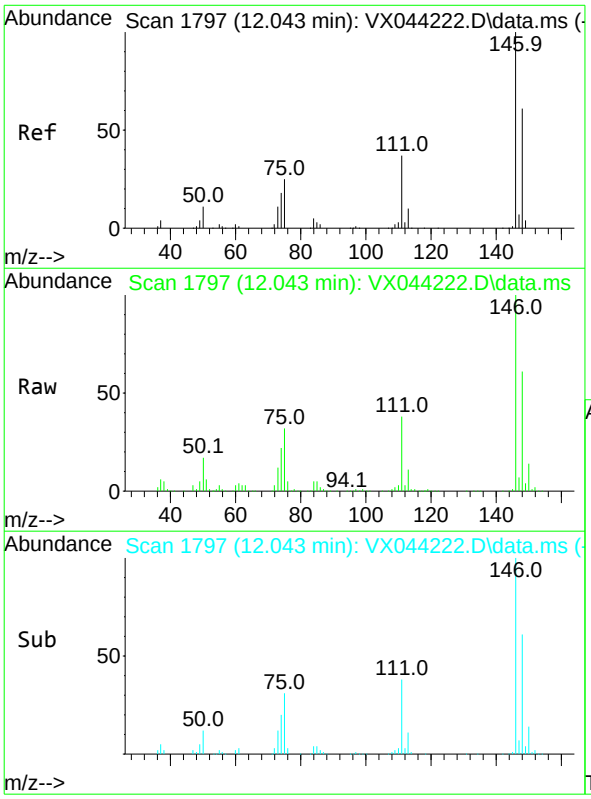
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.4 | 64.2 |
| 148 | 63.4 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

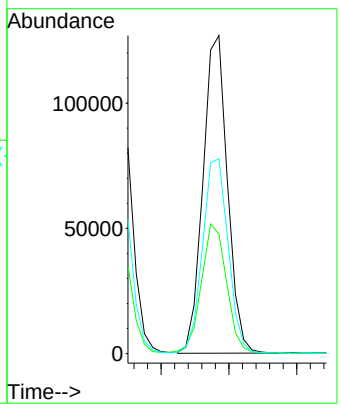
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

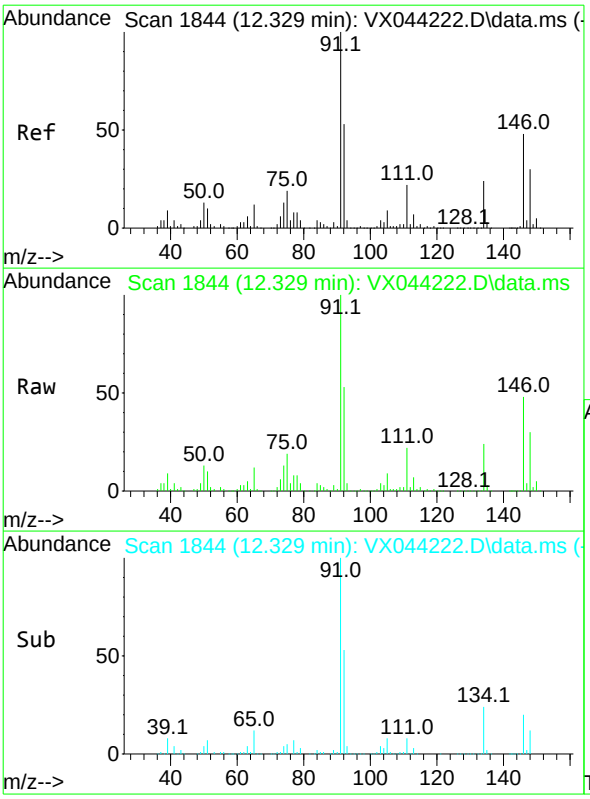



#88
1,4-Dichlorobenzene
Concen: 50.171 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:146 Resp: 159258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 21.0 | 63.0 |
| 148 | 64.5 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 53.354 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

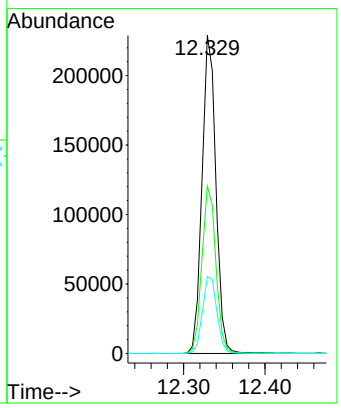
Tgt Ion: 91 Resp: 270840

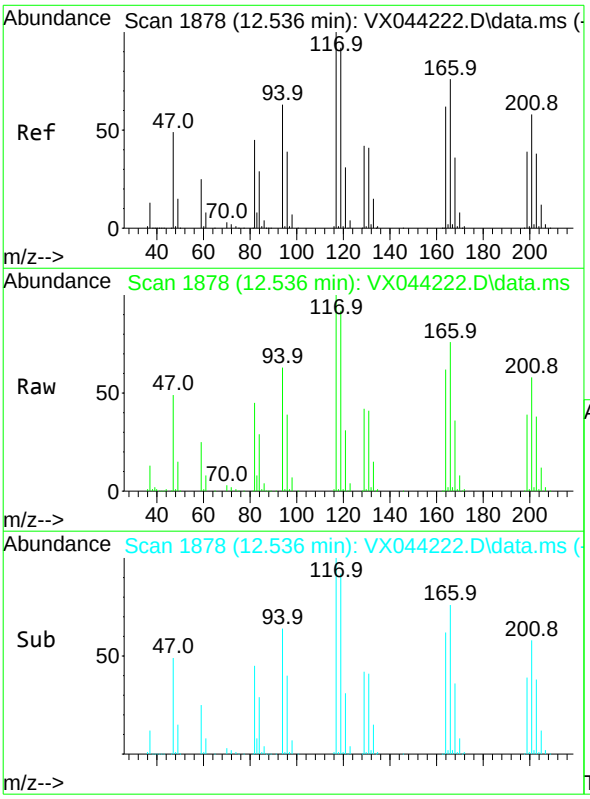
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.6 | 79.7 |
| 134 | 25.2 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

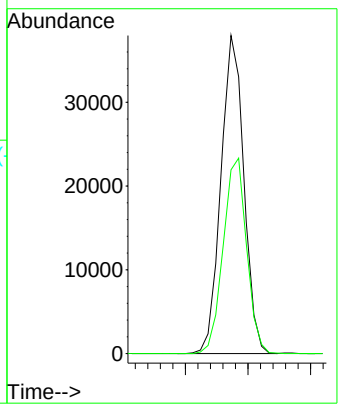


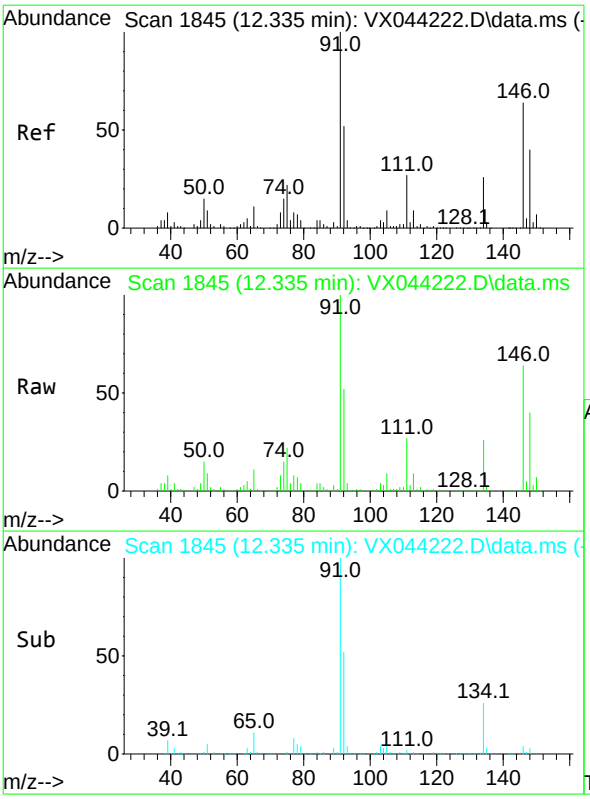




#90
Hexachloroethane
Concen: 54.813 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 48303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.8 | 31.4 | 94.2 |

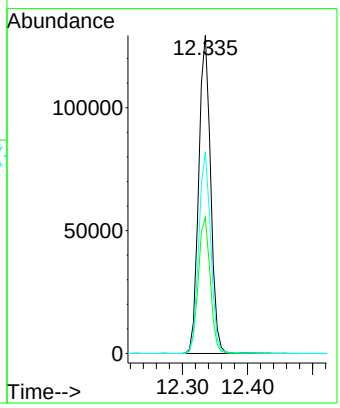





#91
1,2-Dichlorobenzene
Concen: 51.256 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:146 Resp: 164342

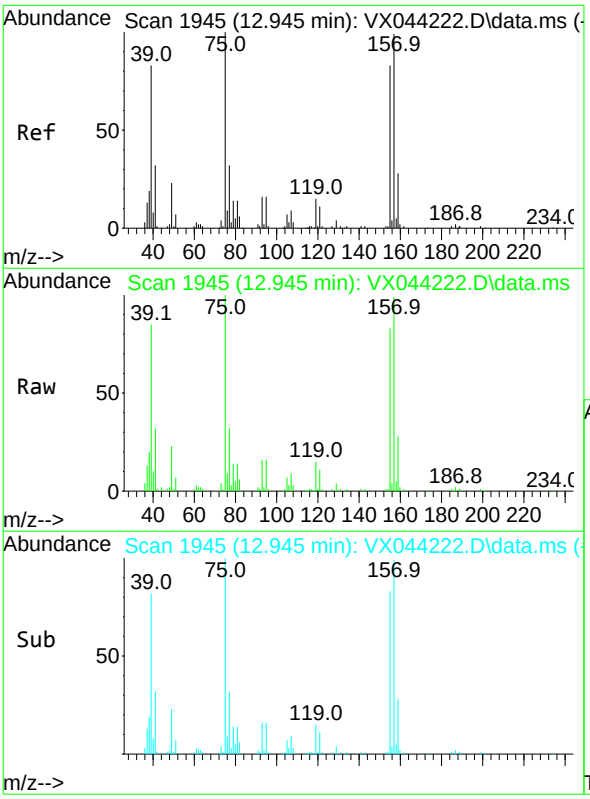
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 21.4 | 64.3 |
| 148 | 63.3 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

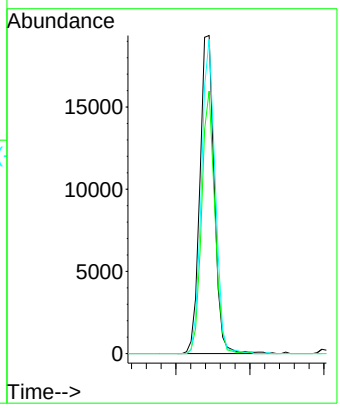
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

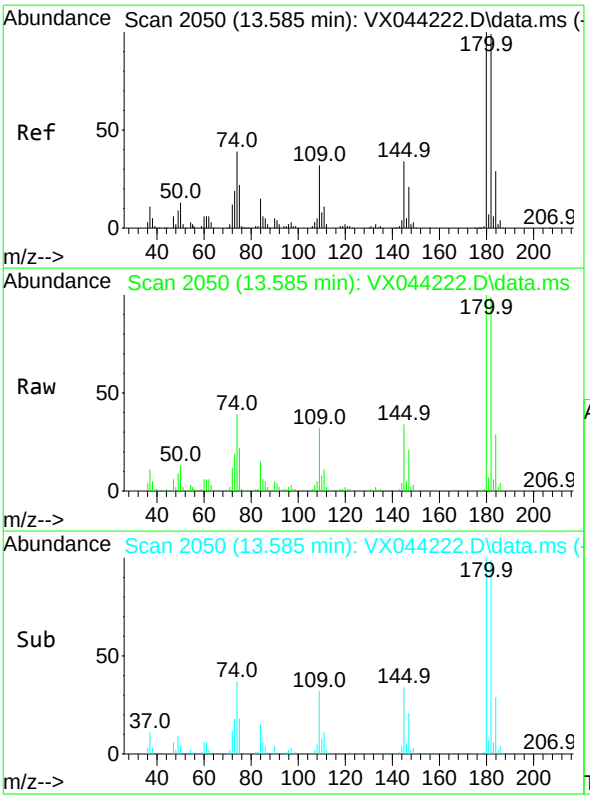



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.951 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 26027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 76.2 | 38.1 | 114.3 |
| 157 | 94.4 | 47.2 | 141.6 |

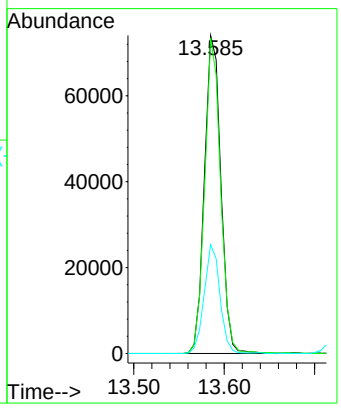





#93
1,2,4-Trichlorobenzene
Concen: 53.005 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:180 Resp: 93173

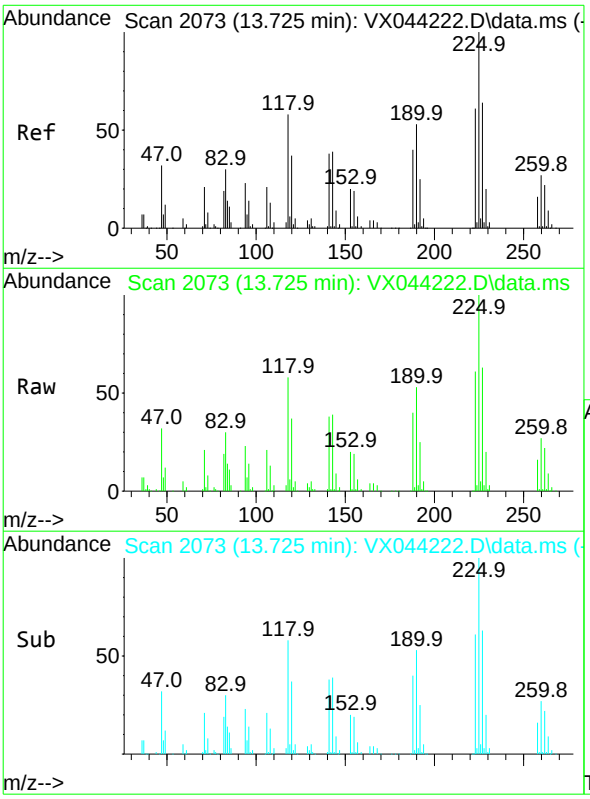
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 48.0 | 144.2 |
| 145 | 33.1 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

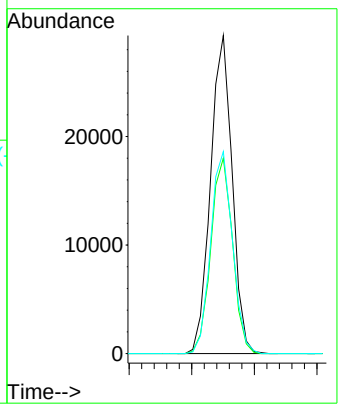
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

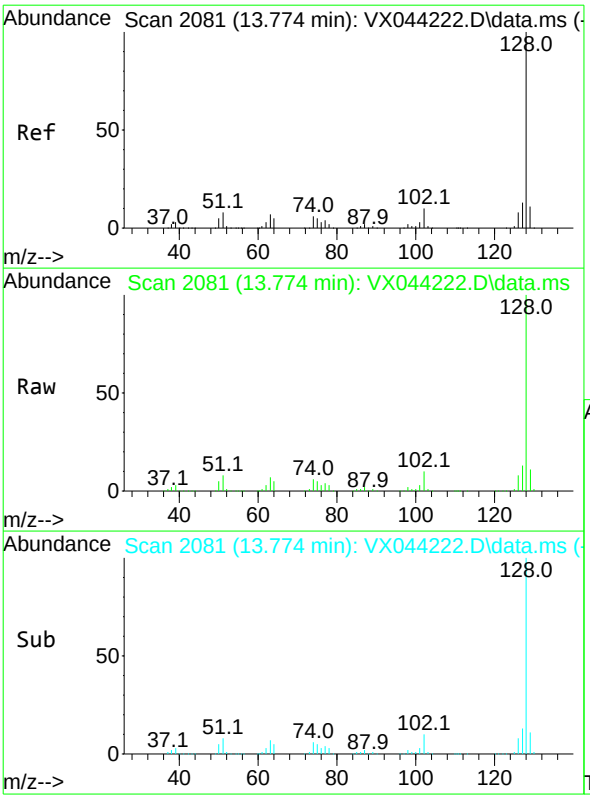



#94
Hexachlorobutadiene
Concen: 49.744 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:225 Resp: 35172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.6 | 30.8 | 92.4 |
| 227 | 64.2 | 32.1 | 96.3 |

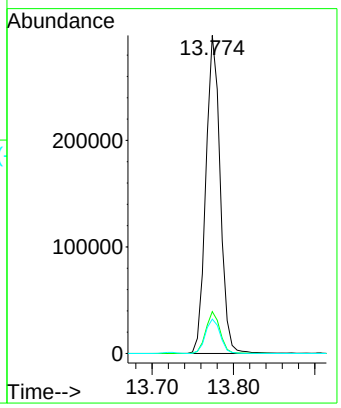





#95
Naphthalene
Concen: 53.230 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:128 Resp: 365234

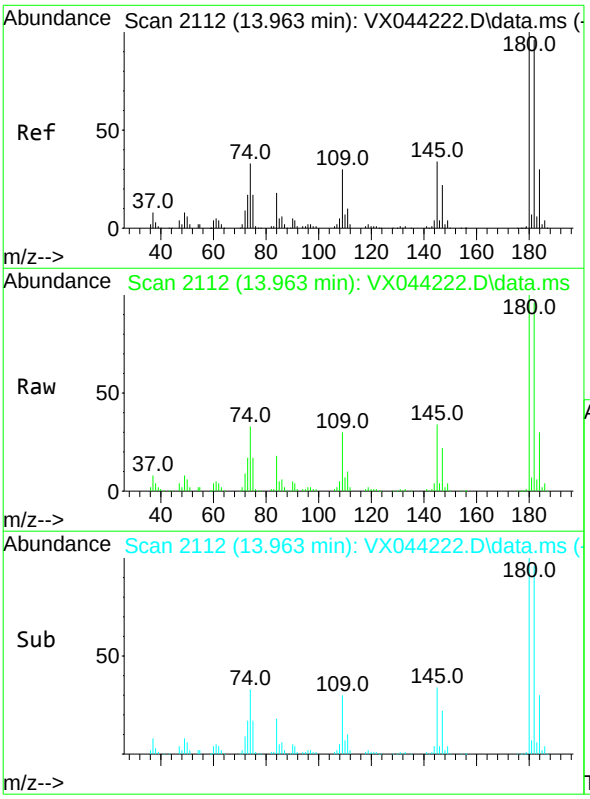
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.5 | 15.7 |
| 129 | 11.2 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

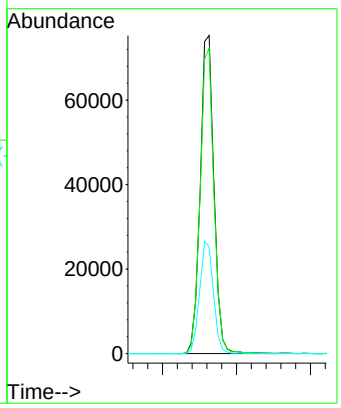
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024




#96
1,2,3-Trichlorobenzene
Concen: 52.027 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:180 Resp: 97000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 48.0 | 144.0 |
| 145 | 35.4 | 17.7 | 53.1 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 130101 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 235738 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 209164 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 97670 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 224292 | 98.326 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 196.660%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 169582 | 103.866 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 207.740%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 579477 | 105.201 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 210.400%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 203694 | 105.830 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 211.660%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 193785 | 96.329 | ug/l | 97 |
| 3) Chloromethane | 1.295 | 50 | 186167 | 96.774 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 187739 | 93.675 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 137770 | 96.897 | ug/l | 97 |
| 6) Chloroethane | 1.660 | 64 | 109912 | 88.074 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.862 | 101 | 384622 | 98.030 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 124039 | 92.618 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 149151 | 93.944 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 203545 | 97.275 | ug/l | 100 |
| 11) Tert butyl alcohol | 3.008 | 59 | 173139 | 539.406 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 144268 | 98.930 | ug/l | 100 |
| 13) Acrolein | 2.240 | 56 | 226037 | 485.718 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 244602 | 100.703 | ug/l | 99 |
| 15) Acrylonitrile | 3.069 | 53 | 446747 | 501.661 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 452955 | 487.065 | ug/l | 97 |
| 17) Carbon Disulfide | 2.496 | 76 | 320036 | 115.453 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 230998 | 96.338 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 564545 | 99.205 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 168498 | 96.466 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 154797 | 99.880 | ug/l | 98 |
| 22) Diisopropyl ether | 3.764 | 45 | 538742 | 98.498 | ug/l | 99 |
| 23) Vinyl Acetate | 3.721 | 43 | 2395923 | 538.801 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 304626 | 99.915 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 662768 | 501.306 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 258092 | 104.201 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 190127 | 96.593 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 144783 | 96.842 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 412666 | 486.290 | ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 331047 | 96.642 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 239879 | 97.433 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 291065 | 102.363 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 209732 | 99.376 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 266307 | 102.079 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 236869 | 104.249 | ug/l | 96 |
| 39) Methylcyclohexane | 7.373 | 83 | 259368 | 102.800 | ug/l | 98 |
| 40) Benzene | 6.032 | 78 | 638055 | 99.575 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 140375 | 101.332 ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 261991 | 99.255 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 427893 | 104.939 ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 158990 | 99.497 ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 160913 | 98.293 ug/l | | 97 |
| 46) Dibromomethane | 7.580 | 93 | 130316 | 102.607 ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 244401 | 111.423 ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 203116 | 102.618 ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 73434m | 2170.871 ug/l | | |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 1322678 | 504.496 ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 396383 | 98.506 ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 248092 | 99.321 ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 263014 | 110.127 ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 157366 | 98.441 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 271146 | 107.442 ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 274642 | 98.704 ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 671233 | 527.342 ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 989466 | 521.401 ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 178135 | 99.480 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 171458 | 105.371 ug/l | | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 130678 | 94.131 ug/l | | 97 |
| 65) Chlorobenzene | 10.080 | 112 | 433179 | 96.650 ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 153882 | 106.831 ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 765930 | 98.906 ug/l | | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 571648 | 201.171 ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 280603 | 97.597 ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 480077 | 104.159 ug/l | | 97 |
| 71) Bromoform | 10.799 | 173 | 112482 | 99.723 ug/l | # | 98 |
| 73) Isopropylbenzene | 10.964 | 105 | 731955 | 97.894 ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 371420 | 107.485 ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 245395 | 94.491 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 206786m | 93.302 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 175647 | 96.874 ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 836676 | 101.242 ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 504407 | 94.377 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 604993 | 97.570 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 78453 | 97.165 ug/l | | 94 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 588197 | 99.384 ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 606738 | 99.013 ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 614999 | 100.994 ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 743098 | 99.889 ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 624416 | 100.847 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 317377 | 100.210 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 316688 | 97.271 ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 564303 | 108.385 ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 105946 | 117.218 ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 323040 | 98.232 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 54588 | 108.279 ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 197899 | 109.766 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 72453 | 99.908 ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 755181 | 107.308 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 206053 | 107.754 ug/l | | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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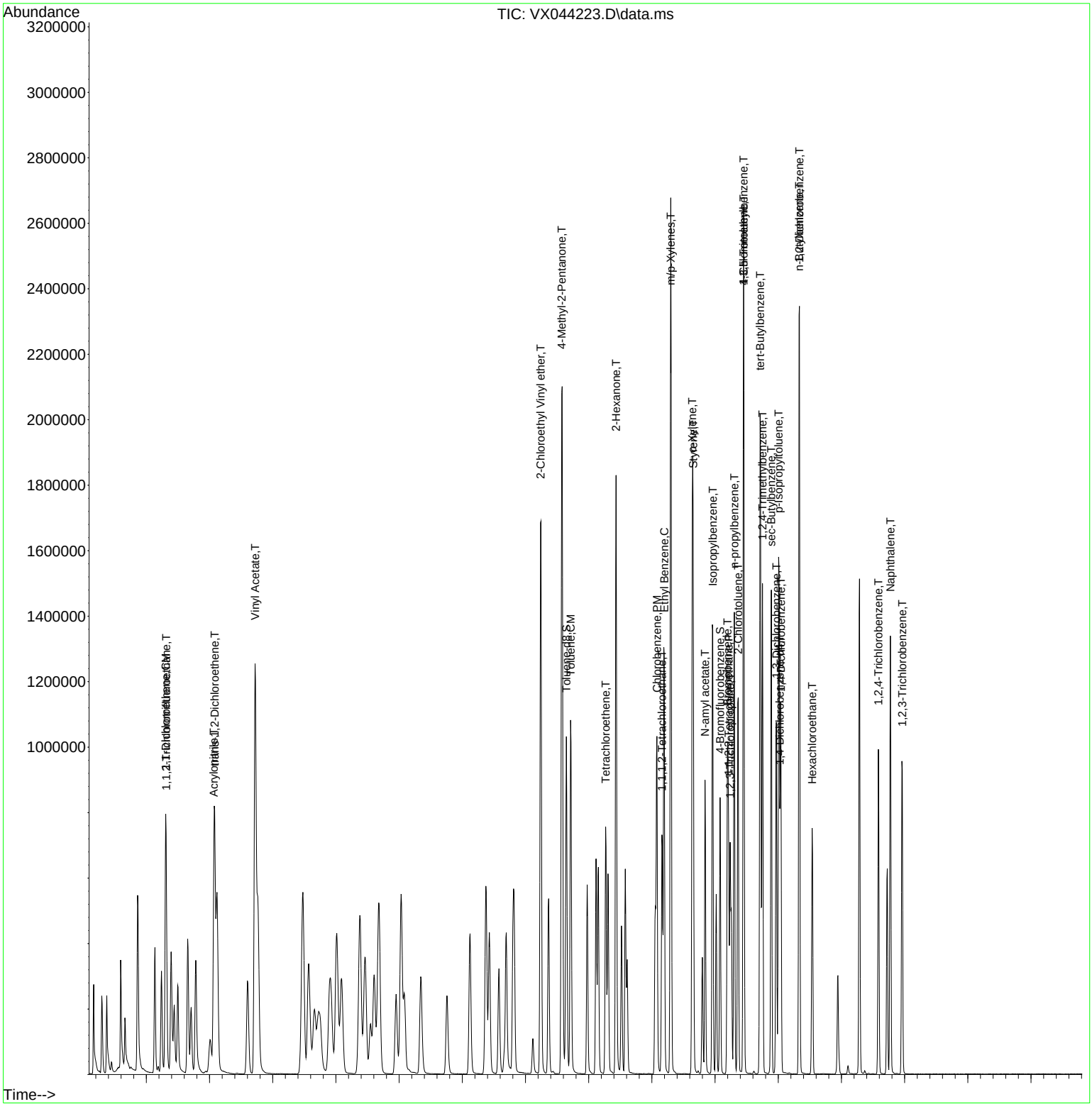
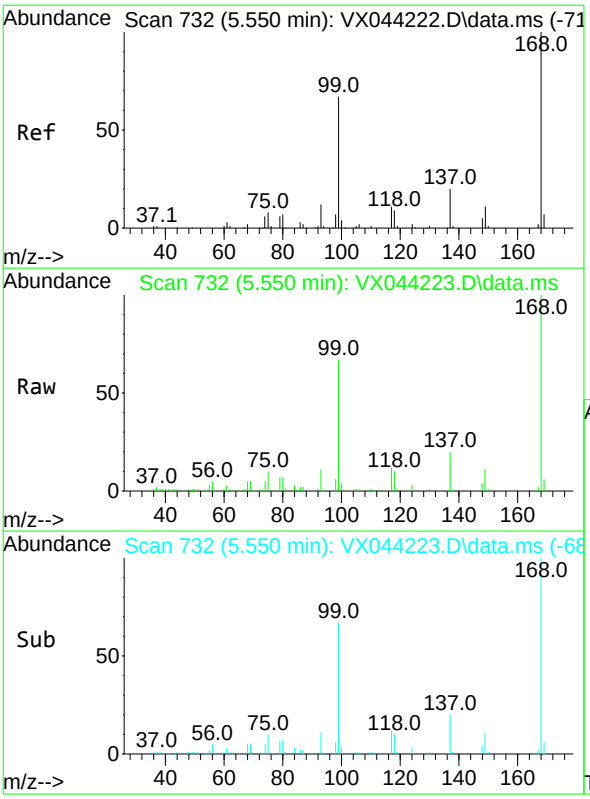
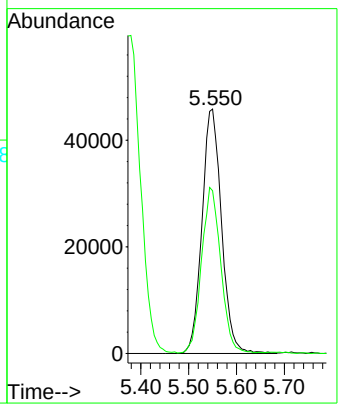





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:168 Resp: 130101

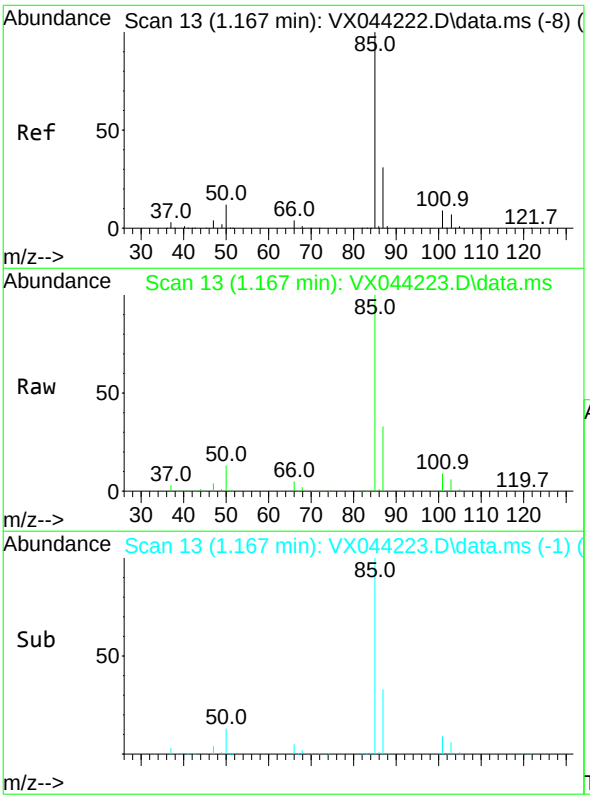
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.4 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

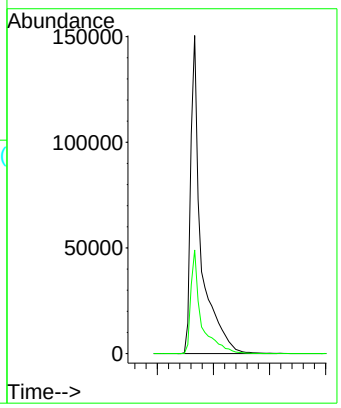
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

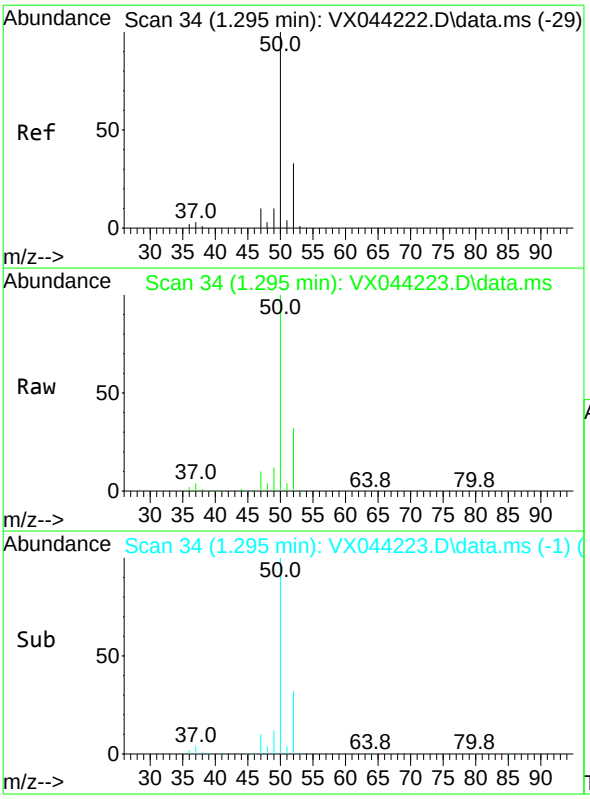



#2
Dichlorodifluoromethane
Concen: 96.329 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 85 Resp: 193785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 15.4 | 46.4 |

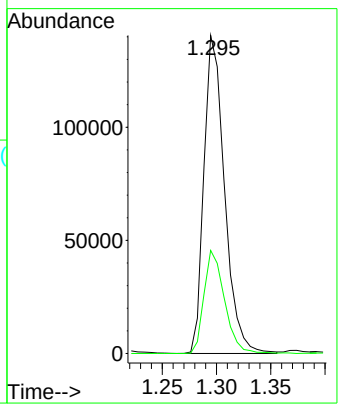





#3
Chloromethane
Concen: 96.774 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 50 Resp: 186167

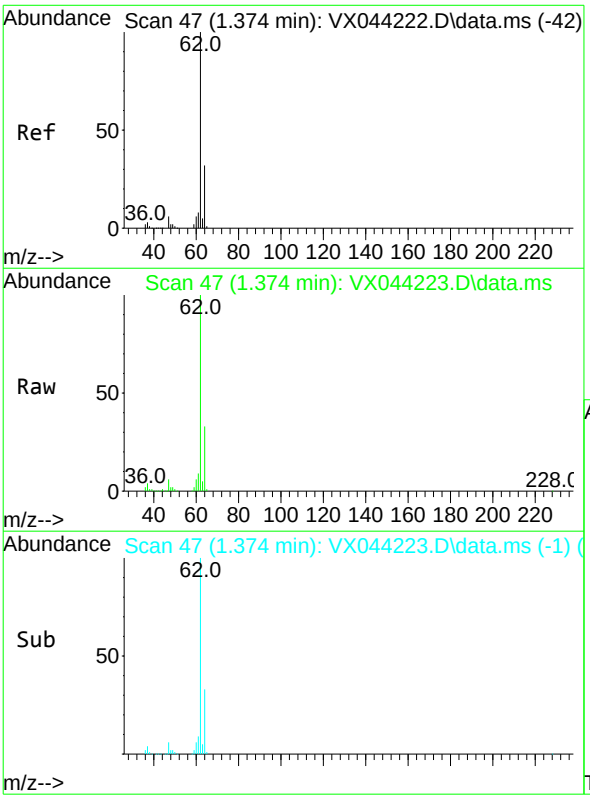
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.4 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

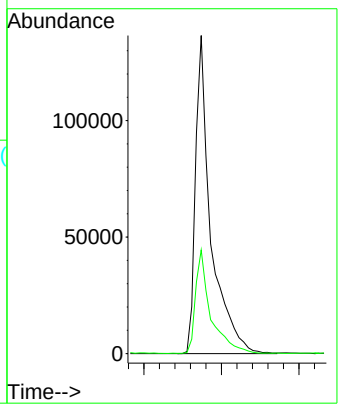
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

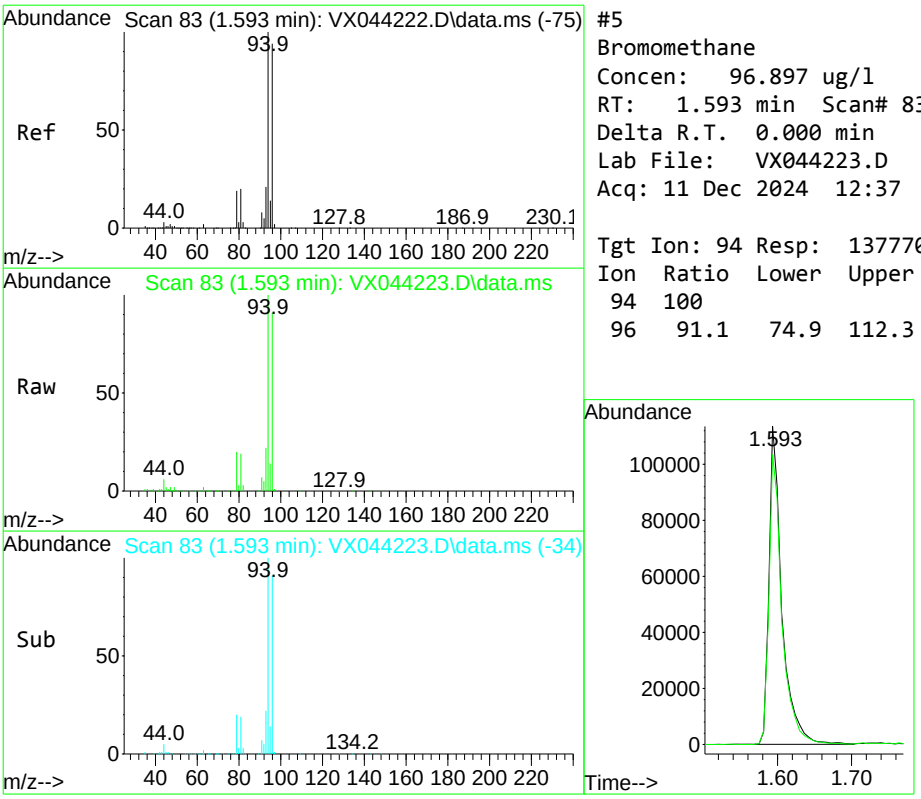



#4
Vinyl Chloride
Concen: 93.675 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 62 Resp: 187739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 25.7 | 38.5 |






#5
Bromomethane
Concen: 96.897 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 94 Resp: 137770

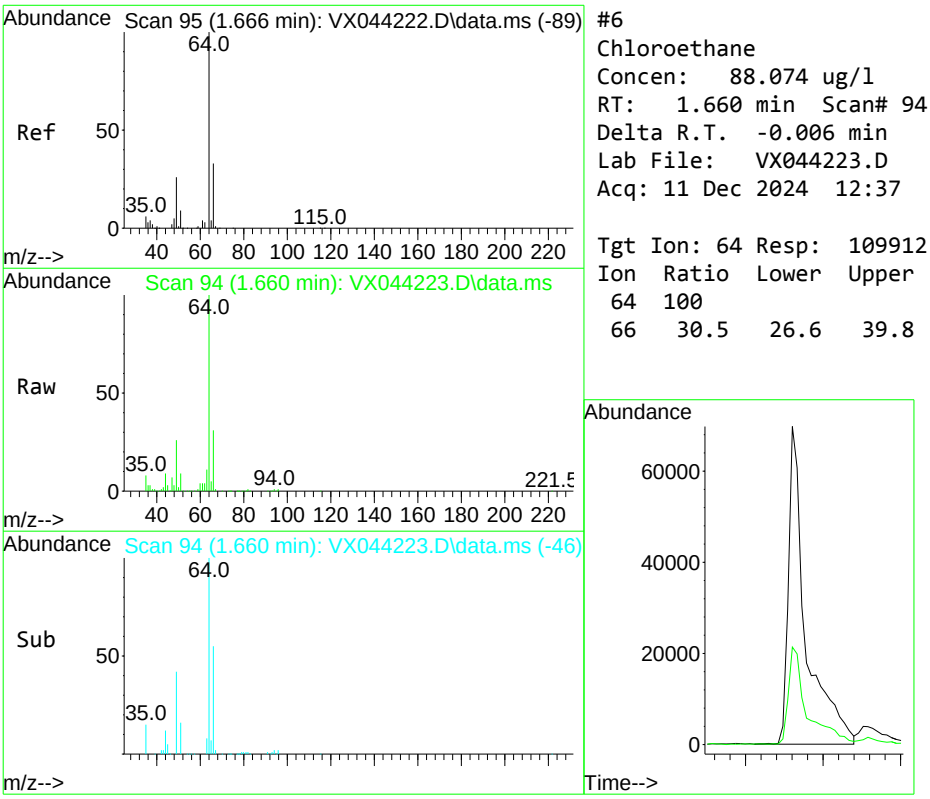
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.1 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

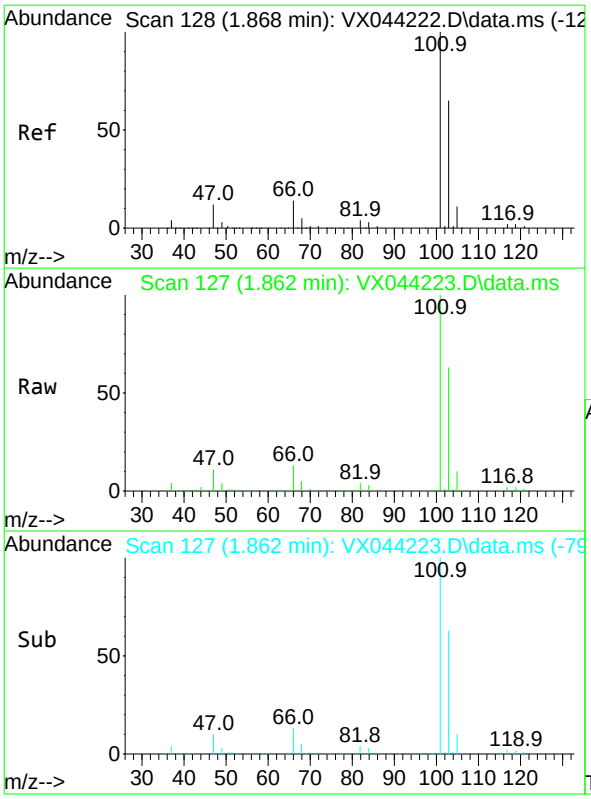
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024




#6
Chloroethane
Concen: 88.074 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 64 Resp: 109912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.5 | 26.6 | 39.8 |




#7
Trichlorofluoromethane
Concen: 98.030 ug/l
RT: 1.862 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

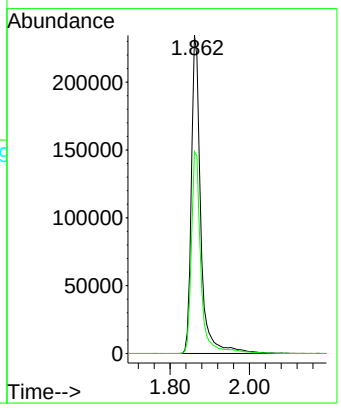
Tgt Ion:101 Resp: 384622

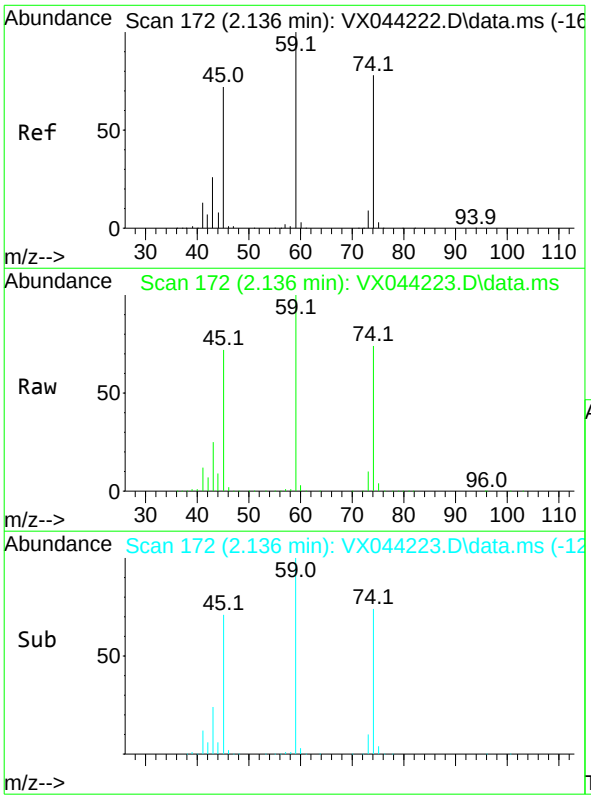
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

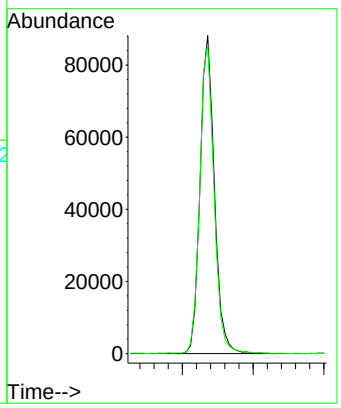


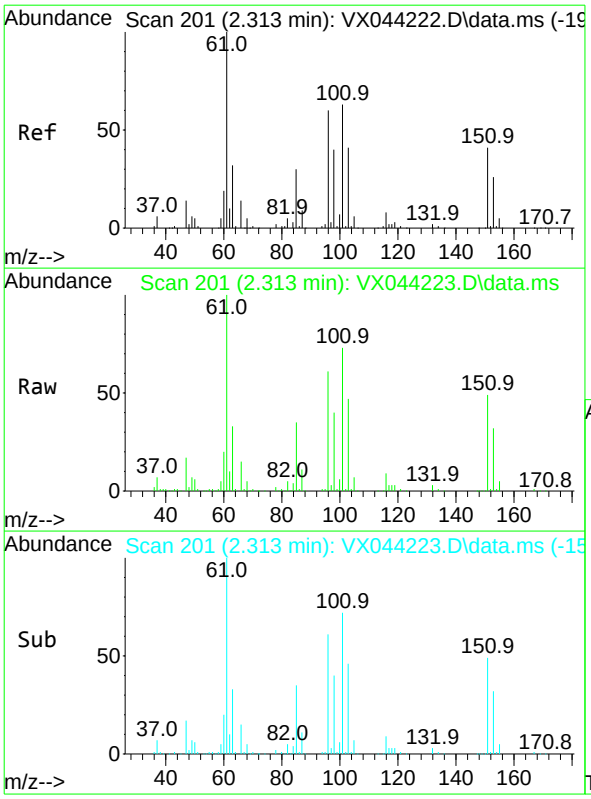




#8
Diethyl Ether
Concen: 92.618 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 74 Resp: 124039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.3 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 93.944 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

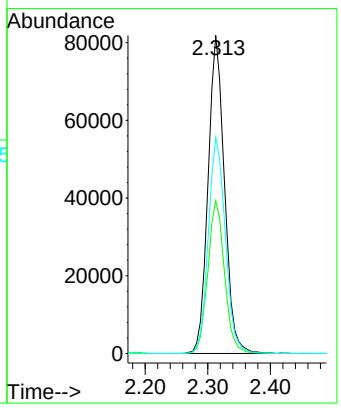
Tgt Ion:101 Resp: 149151

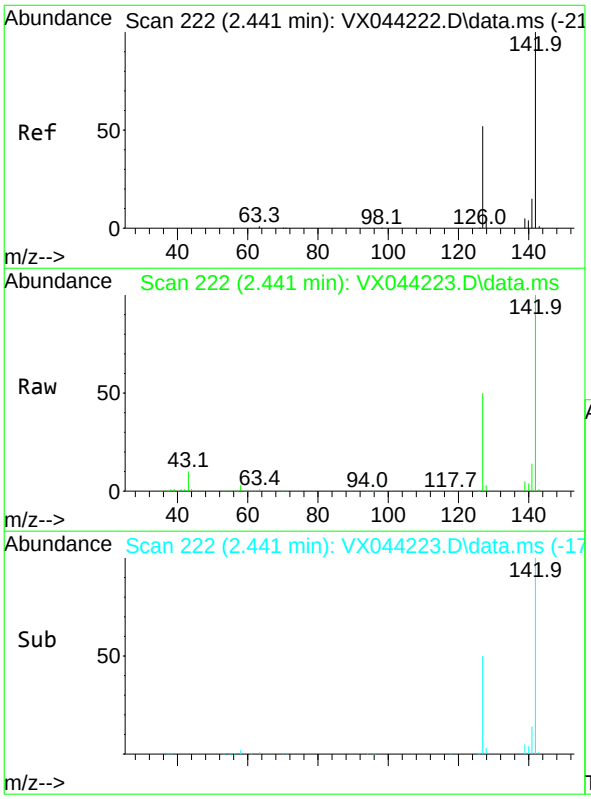
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.9 | 38.5 | 57.7 |
| 151 | 70.5 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

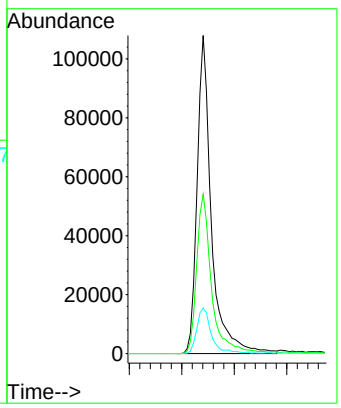


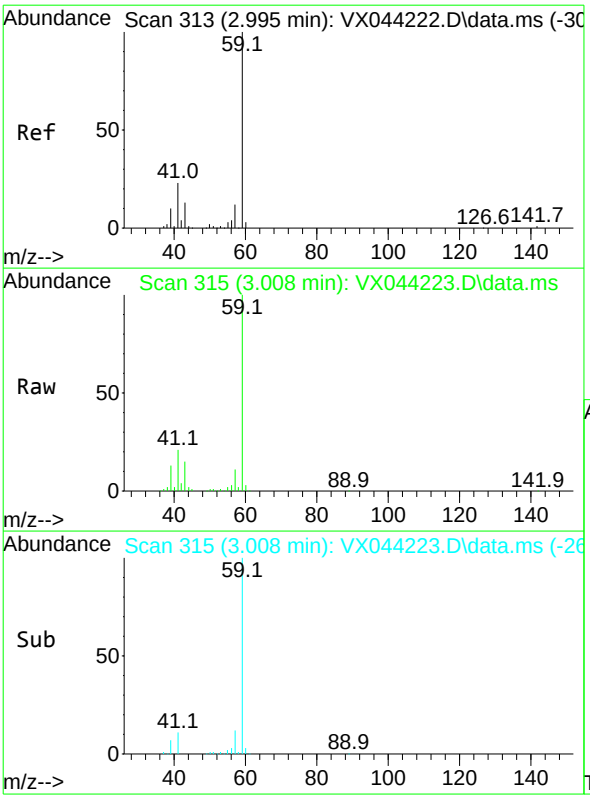




#10
Methyl Iodide
Concen: 97.275 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:142 Resp: 203545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.4 | 41.8 | 62.8 |
| 141 | 14.8 | 11.5 | 17.3 |

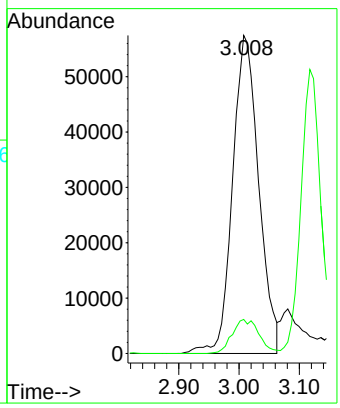





#11
Tert butyl alcohol
Concen: 539.406 ug/l
RT: 3.008 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 59 Resp: 173139

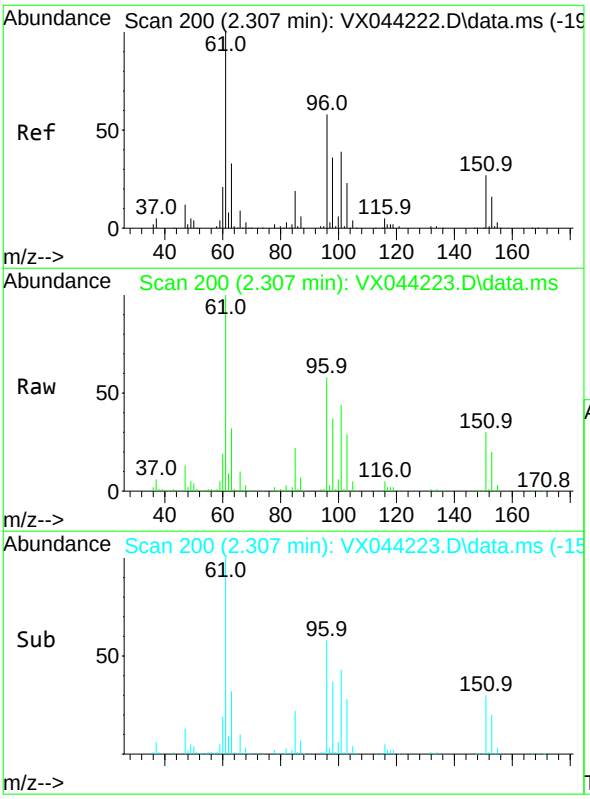
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.1 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

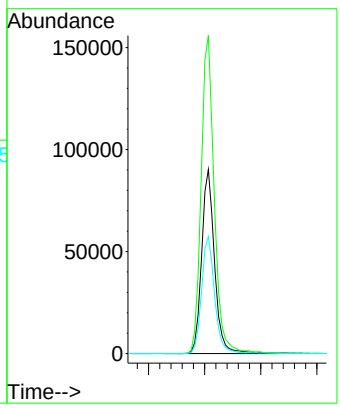
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

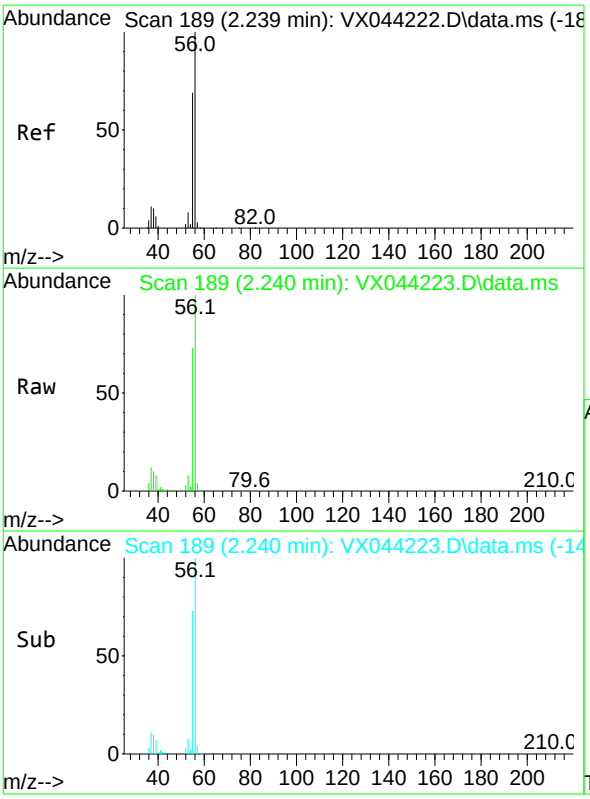



#12
1,1-Dichloroethene
Concen: 98.930 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 96 Resp: 144268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.7 | 138.0 | 207.0 |
| 98 | 63.5 | 50.0 | 75.0 |

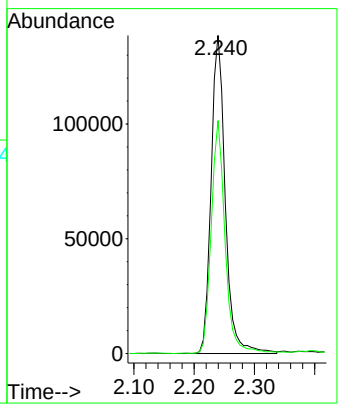





#13
Acrolein
Concen: 485.718 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 56 Resp: 226037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.7 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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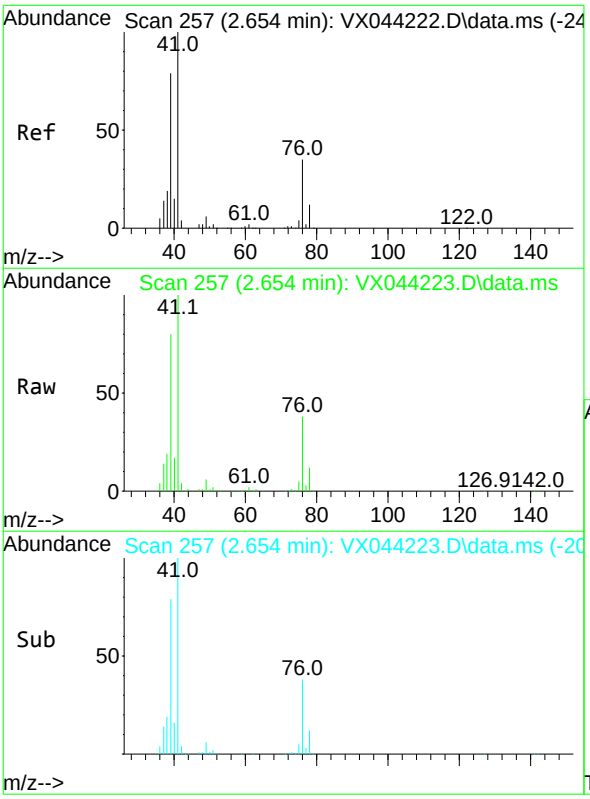
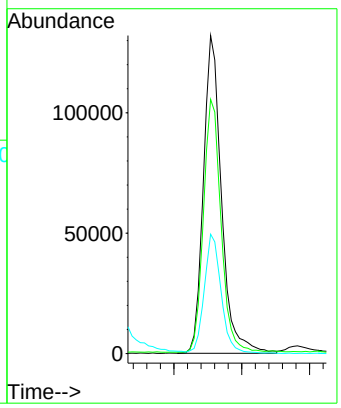
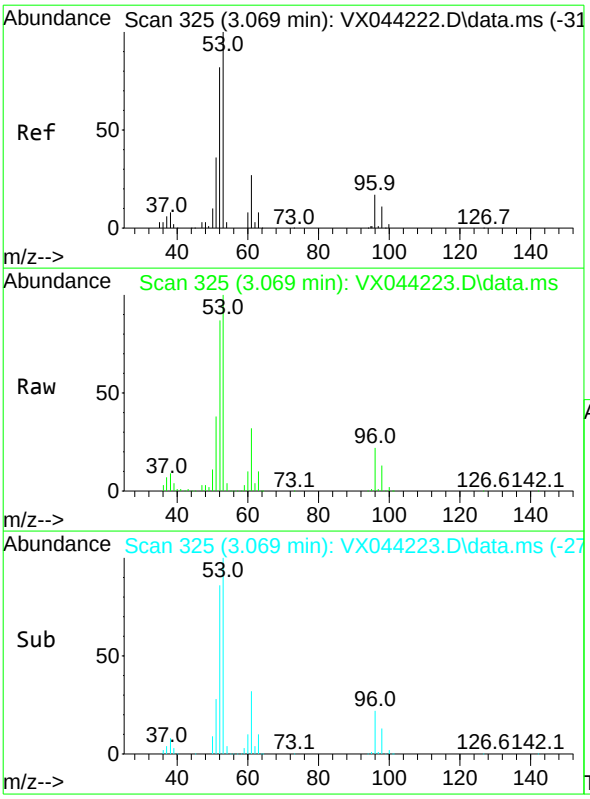



#14
Allyl chloride
Concen: 100.703 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 244602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.0 | 61.9 | 92.9 |
| 76 | 34.7 | 27.4 | 41.2 |

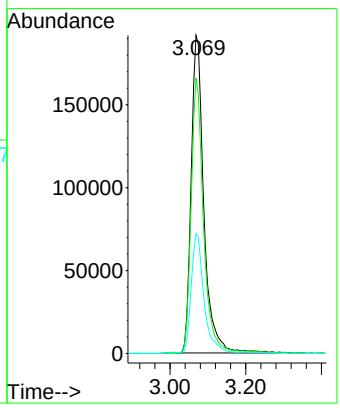





#15
Acrylonitrile
Concen: 501.661 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 53 Resp: 446747

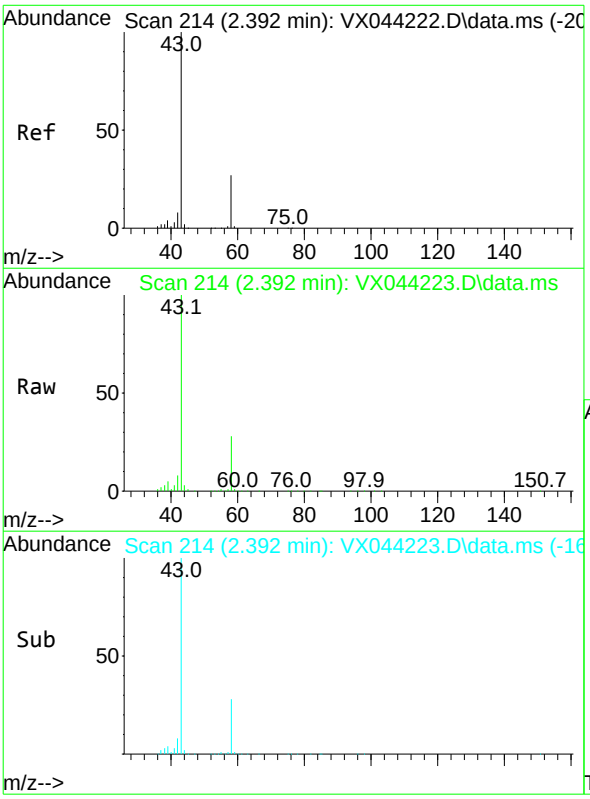
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.0 | 67.4 | 101.0 |
| 51 | 37.0 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

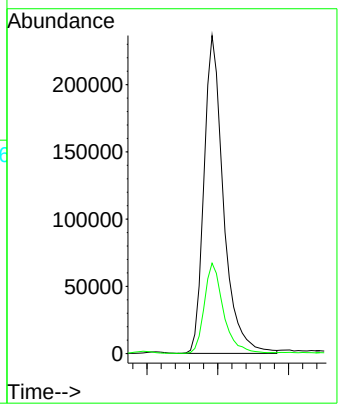
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

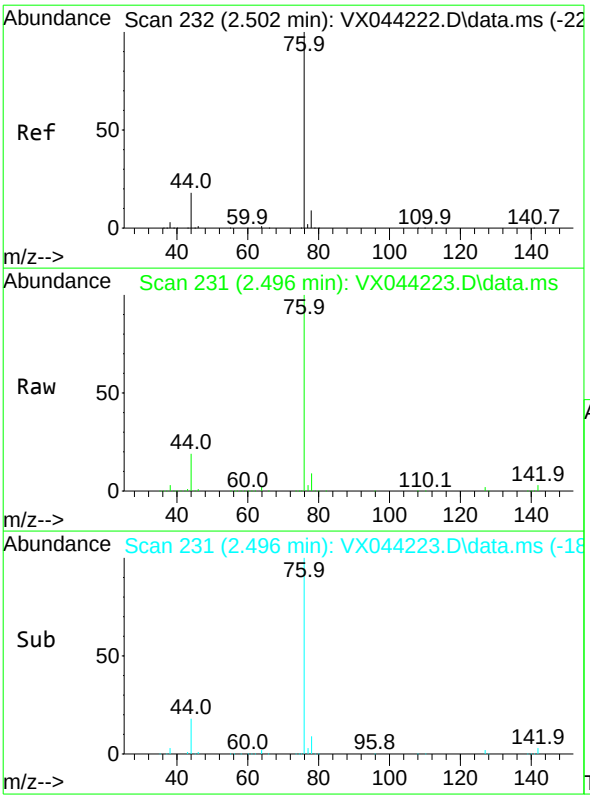



#16
Acetone
Concen: 487.065 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 452955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.4 | 21.6 | 32.4 |

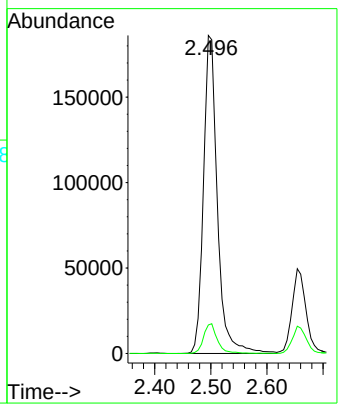





#17
Carbon Disulfide
Concen: 115.453 ug/l
RT: 2.496 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 76 Resp: 320036

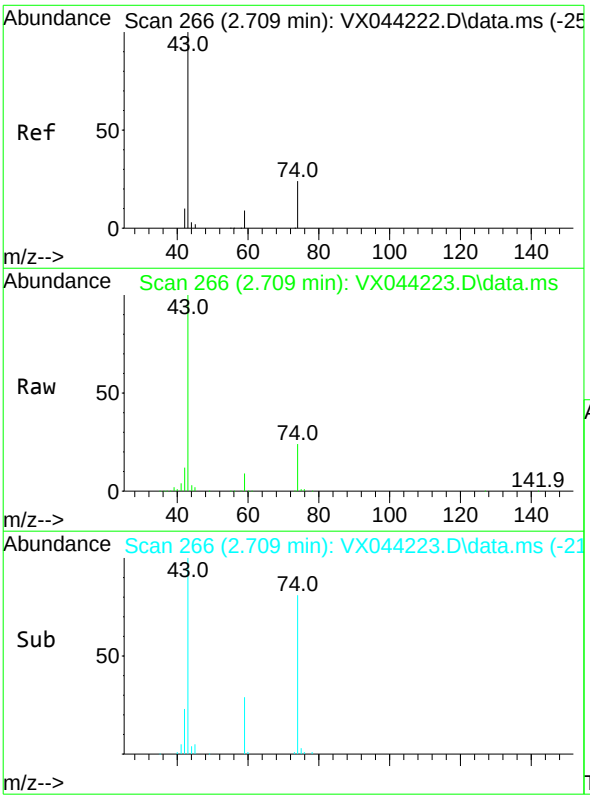
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

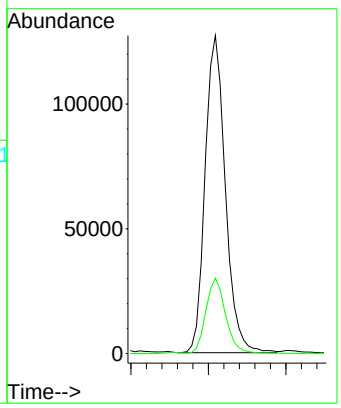
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

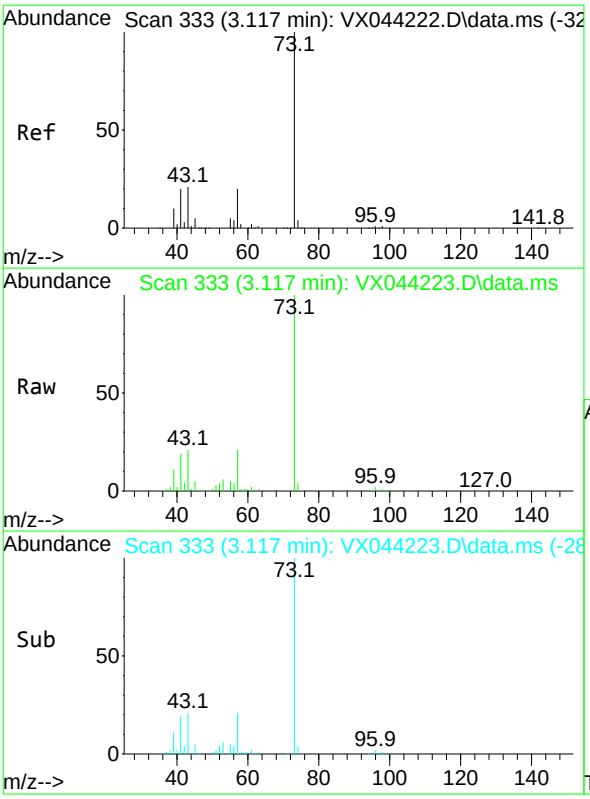



#18
Methyl Acetate
Concen: 96.338 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 230998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.3 | 17.7 | 26.5 |

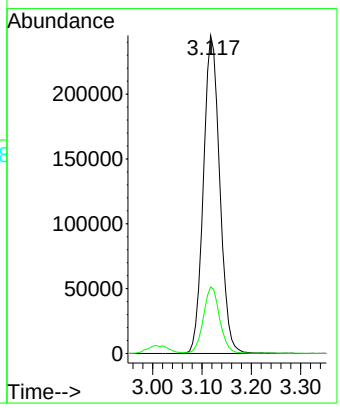





#19
Methyl tert-butyl Ether
Concen: 99.205 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 73 Resp: 564545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.8 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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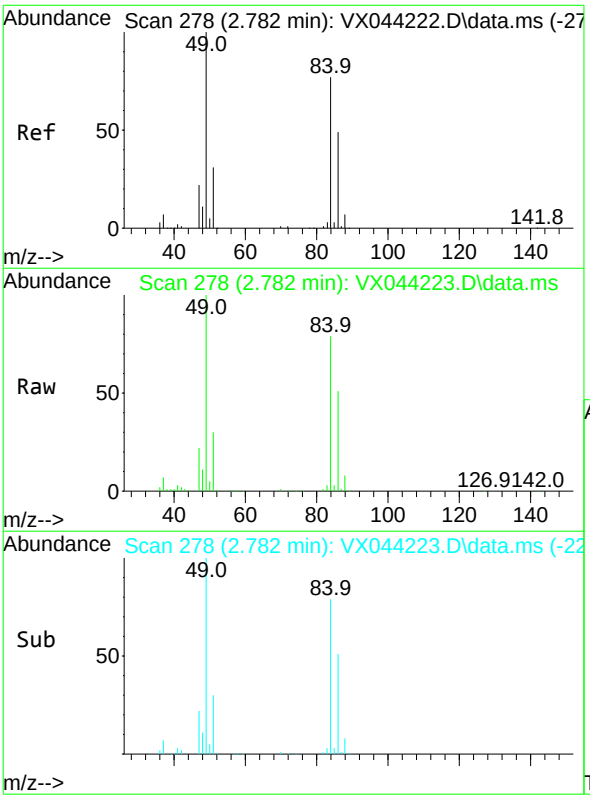
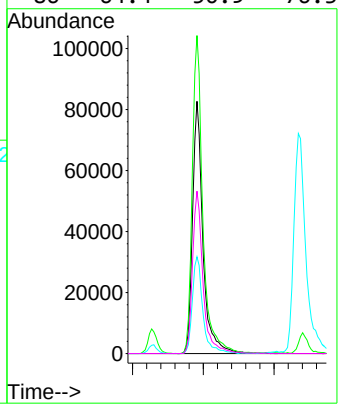
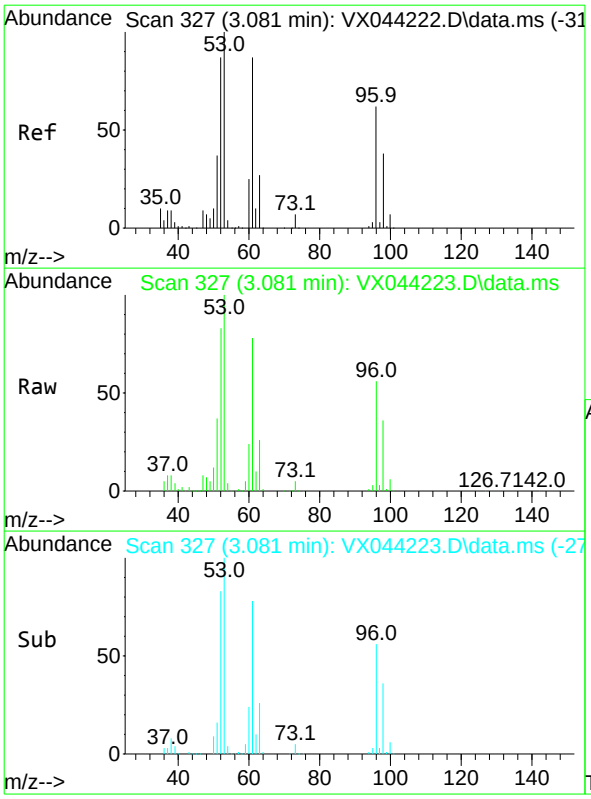



#20
Methylene Chloride
Concen: 96.466 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 84 Resp: 168498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.1 | 104.2 | 156.4 |
| 51 | 38.4 | 32.2 | 48.4 |
| 86 | 64.4 | 50.9 | 76.3 |

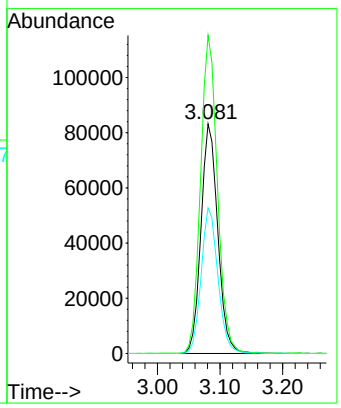





#21
trans-1,2-Dichloroethene
Concen: 99.880 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 96 Resp: 154797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.4 | 112.0 | 168.0 |
| 98 | 63.5 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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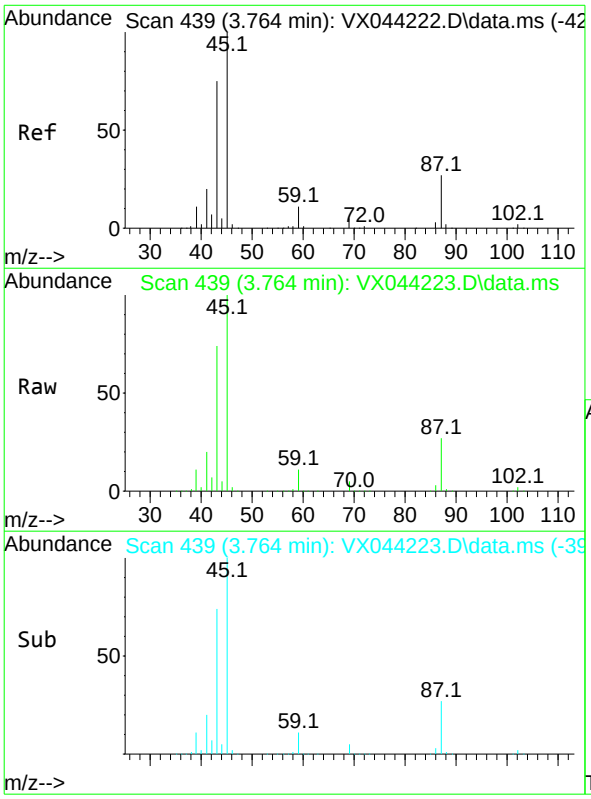
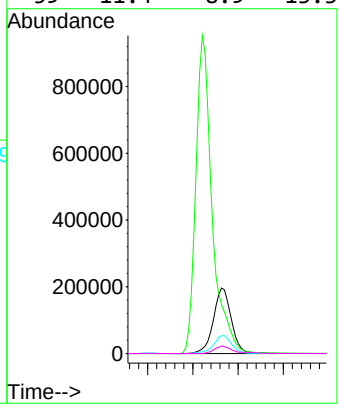
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

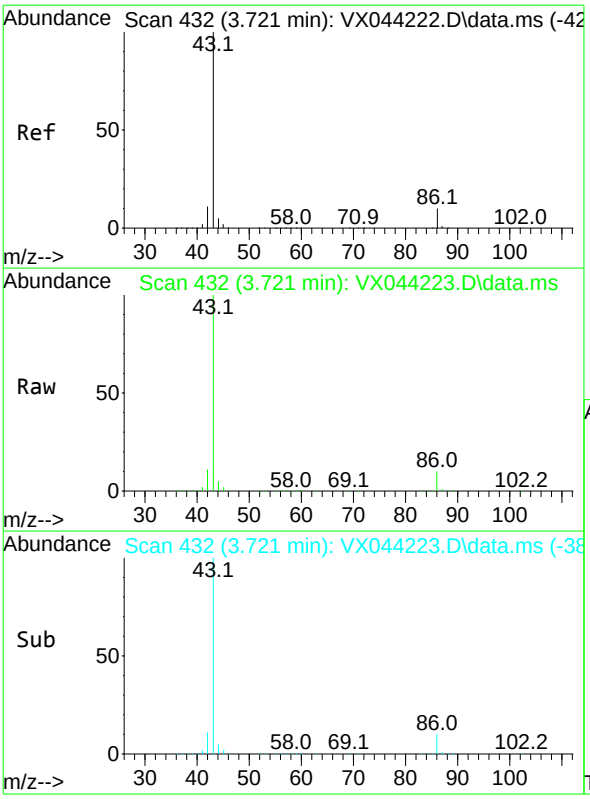



#22
Diisopropyl ether
Concen: 98.498 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 45 Resp: 538742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 74.2 | 60.2 | 90.2 |
| 87 | 27.4 | 21.2 | 31.8 |
| 59 | 11.4 | 8.9 | 13.3 |

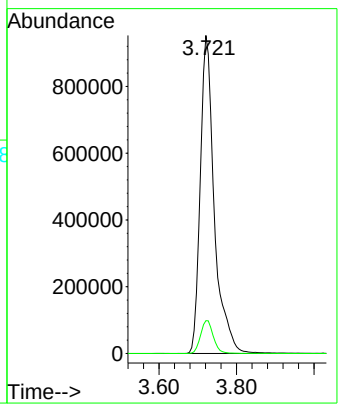





#23
Vinyl Acetate
Concen: 538.801 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 2395923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.3 | 8.2 | 12.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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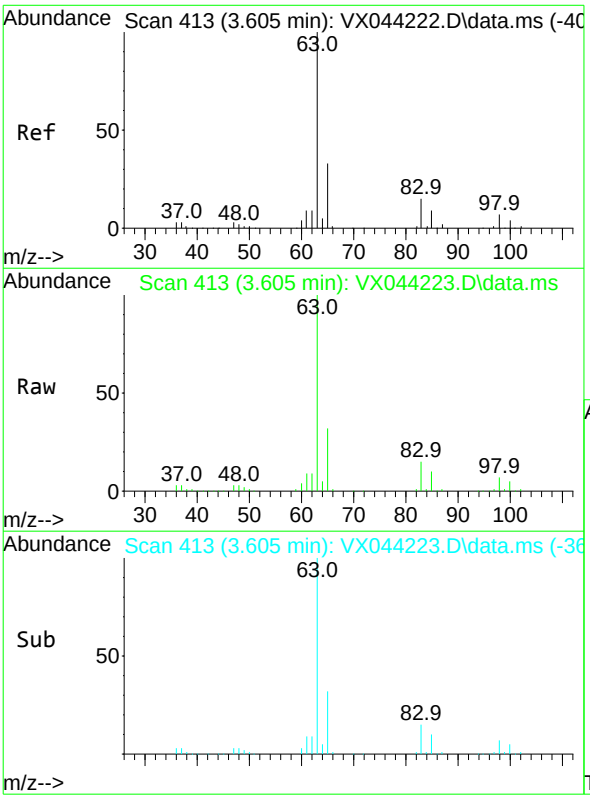
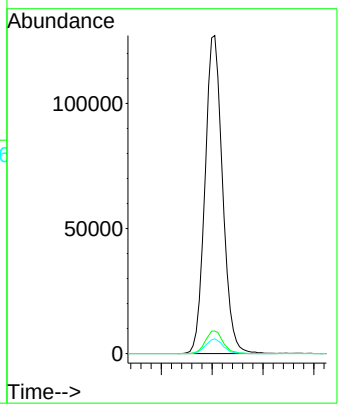
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

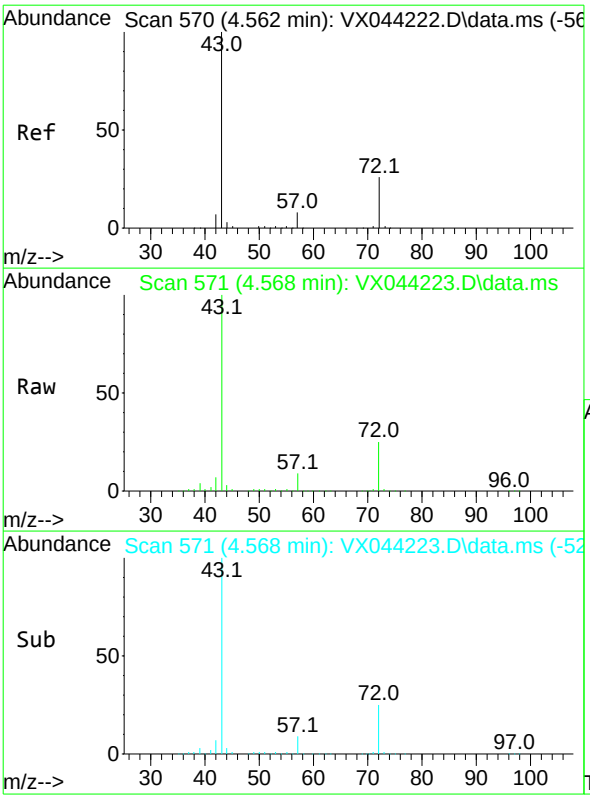



#24
1,1-Dichloroethane
Concen: 99.915 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 304626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.6 | 10.8 |
| 100 | 4.6 | 2.1 | 6.3 |

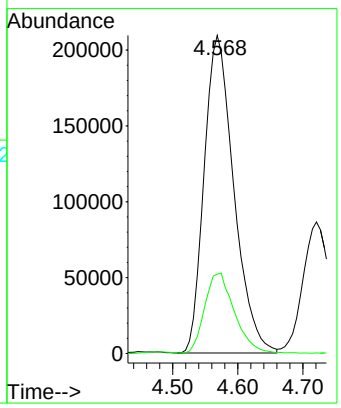





#25
2-Butanone
Concen: 501.306 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 662768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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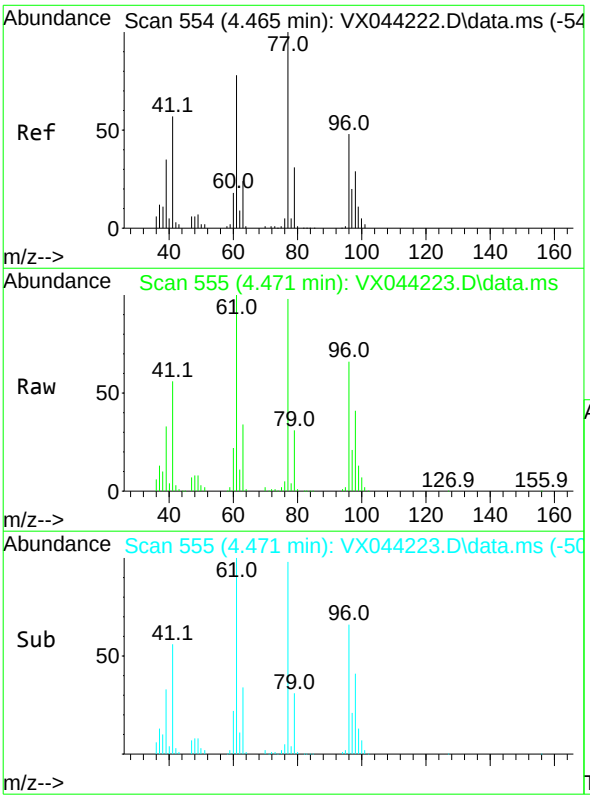
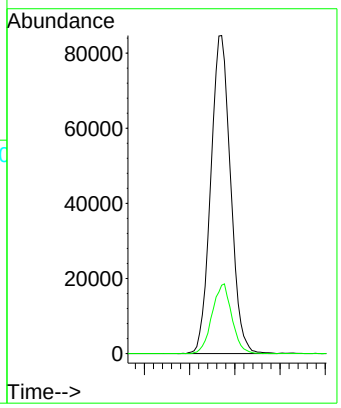
Supervised By :Mahesh Dadoda 12/12/2024

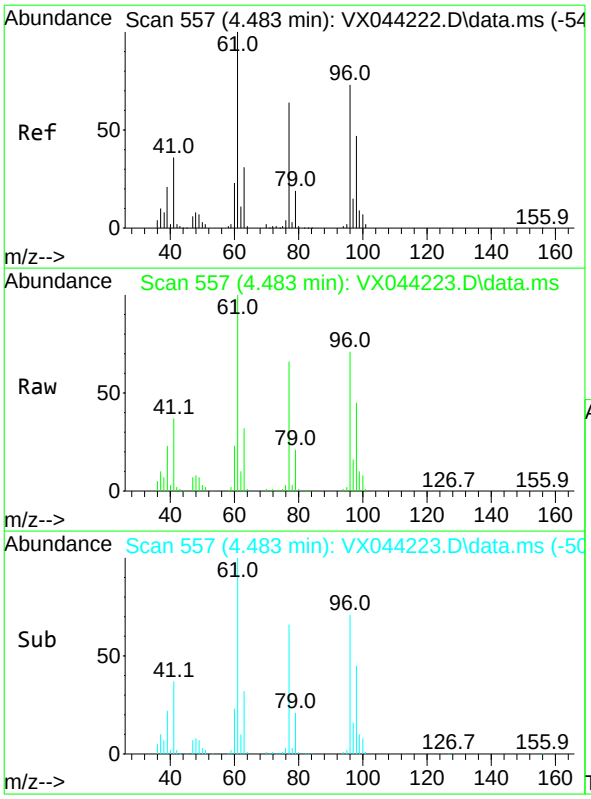



#26
2,2-Dichloropropane
Concen: 104.201 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 77 Resp: 258092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.7 | 32.1 |






#27
cis-1,2-Dichloroethene
Concen: 96.593 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 96 Resp: 190127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.5 | 0.0 | 299.0 |
| 98 | 64.2 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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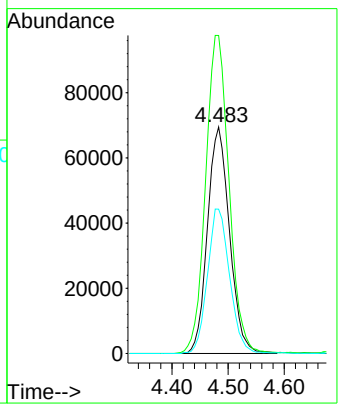
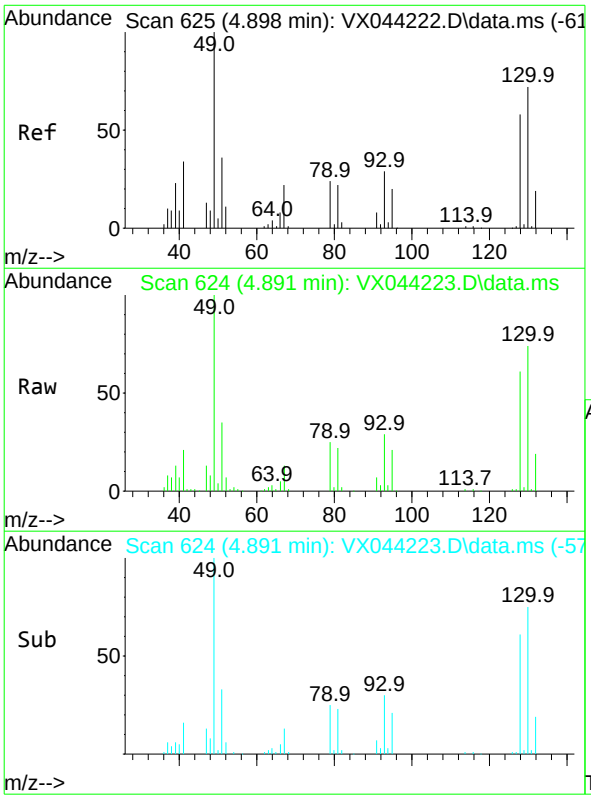
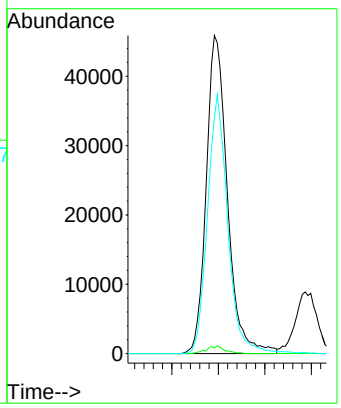


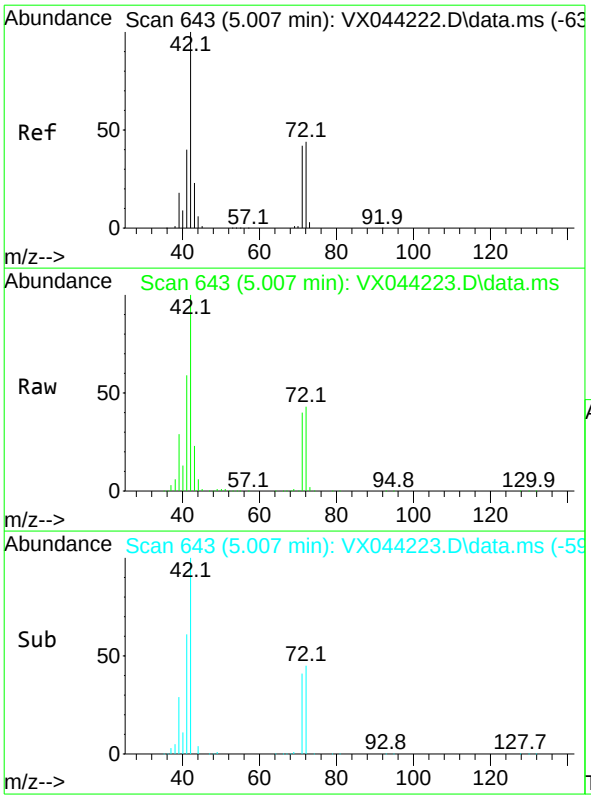




#28
Bromochloromethane
Concen: 96.842 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 49 Resp: 144783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.2 |
| 130 | 78.2 | 62.1 | 93.1 |

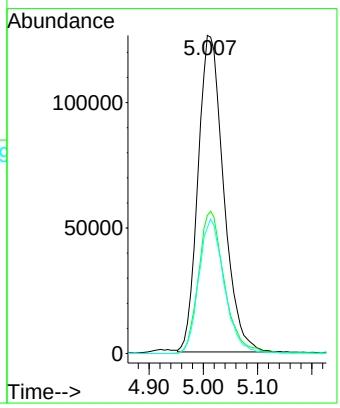





#29
Tetrahydrofuran
Concen: 486.290 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 42 Resp: 412666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.6 | 37.0 | 55.6 |
| 71 | 42.1 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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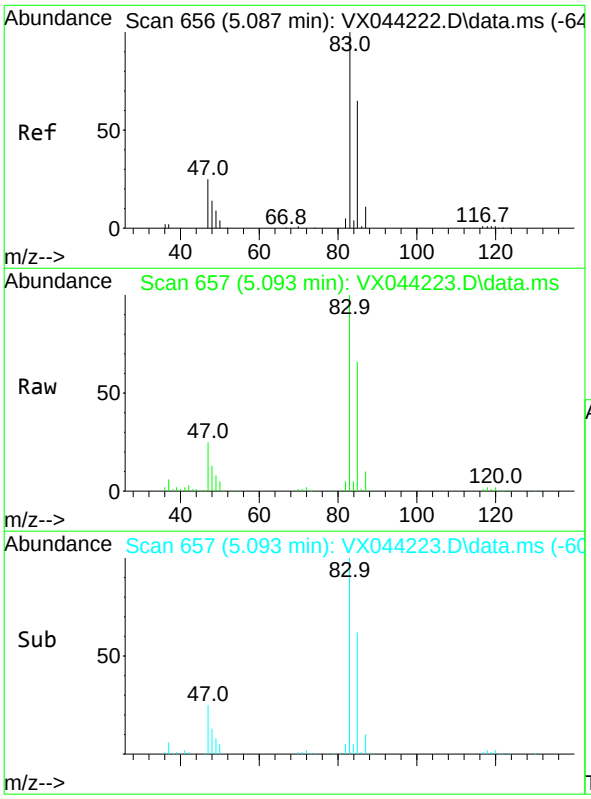
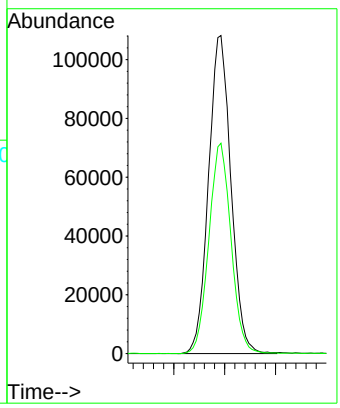
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

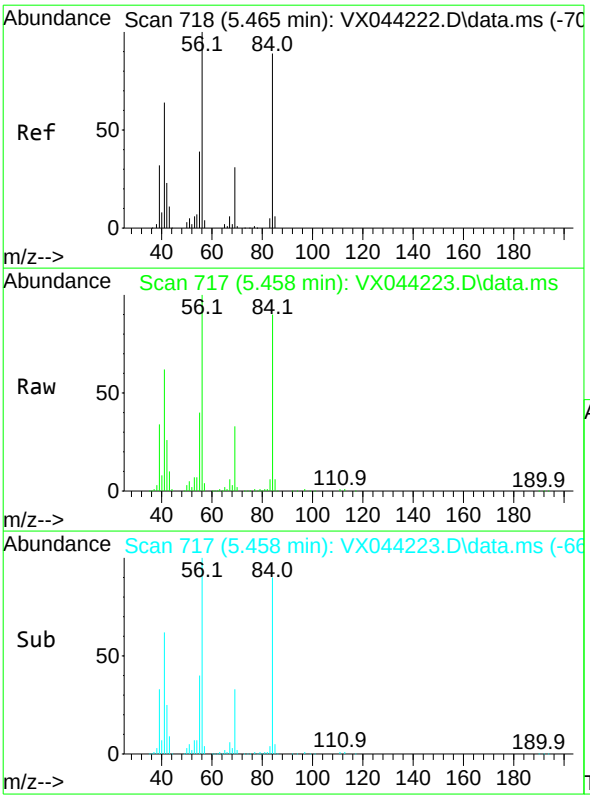



#30
Chloroform
Concen: 96.642 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 83 Resp: 331047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.1 | 51.6 | 77.4 |

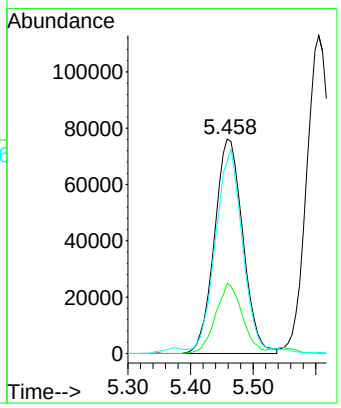





#31
Cyclohexane
Concen: 97.433 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 56 Resp: 239879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.8 | 24.7 | 37.1 |
| 84 | 87.3 | 71.0 | 106.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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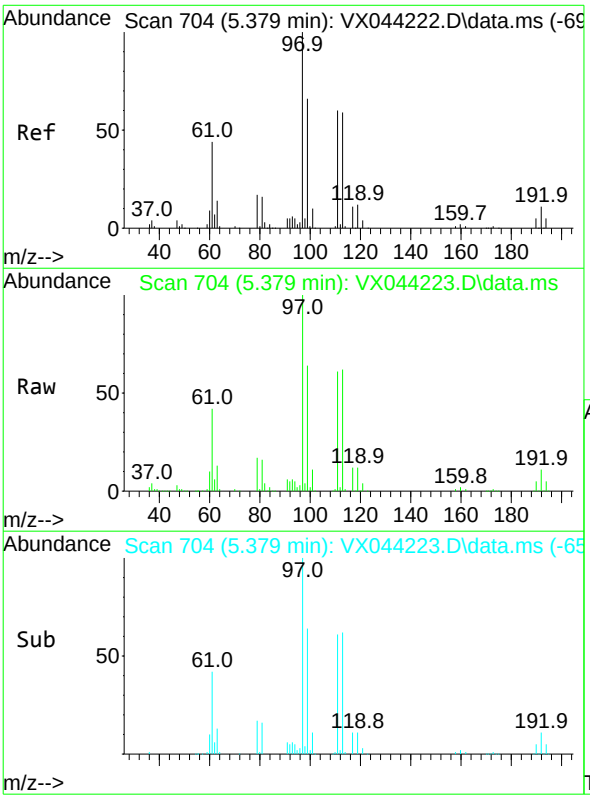
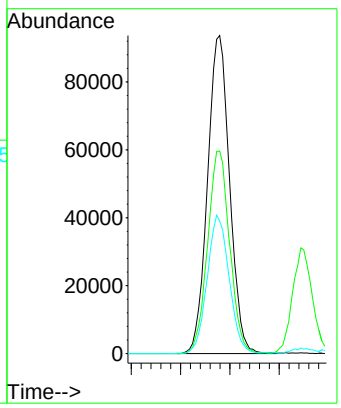
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

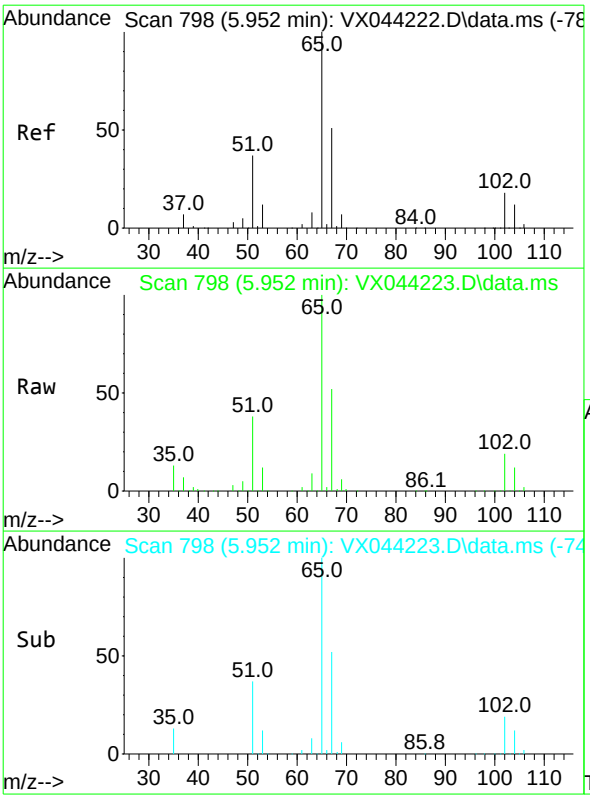



#32
1,1,1-Trichloroethane
Concen: 102.363 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 97 Resp: 291065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 50.8 | 76.2 |
| 61 | 43.3 | 35.2 | 52.8 |






#33
1,2-Dichloroethane-d4
Concen: 98.326 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

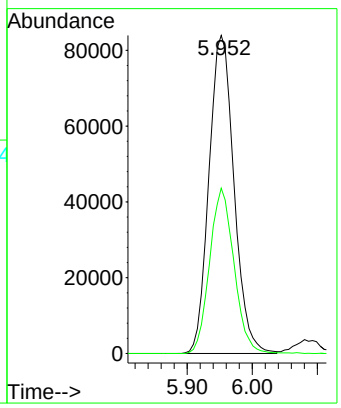
Tgt Ion: 65 Resp: 224292

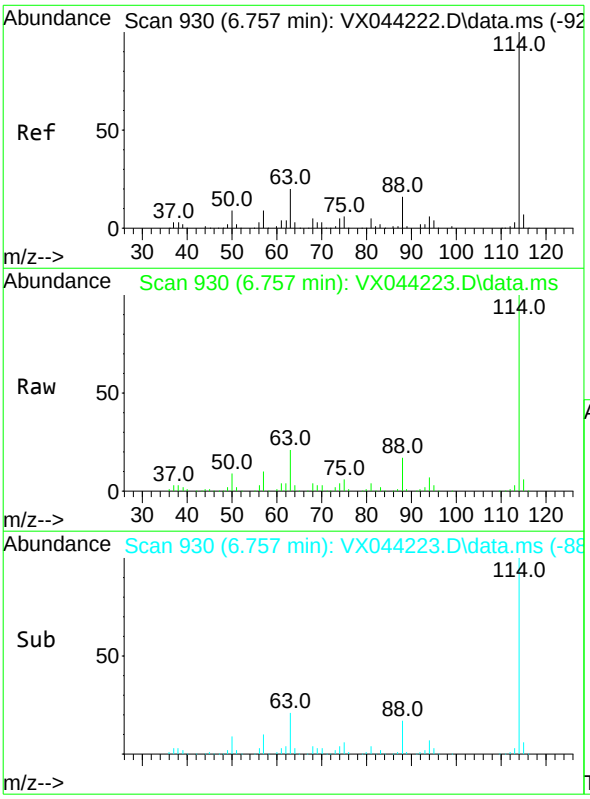
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

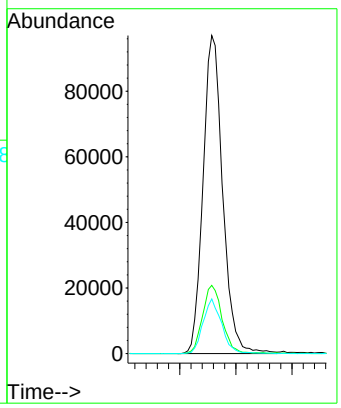


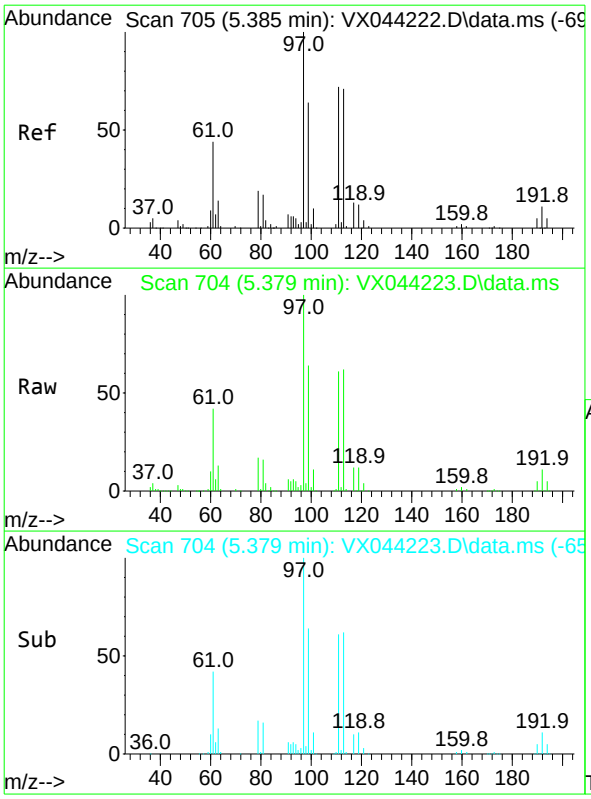




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:114 Resp: 235738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.5 | 0.0 | 40.6 |
| 88 | 17.2 | 0.0 | 31.8 |

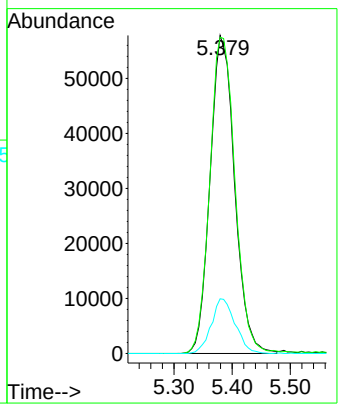





#35
Dibromofluoromethane
Concen: 103.866 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:113 Resp: 169582

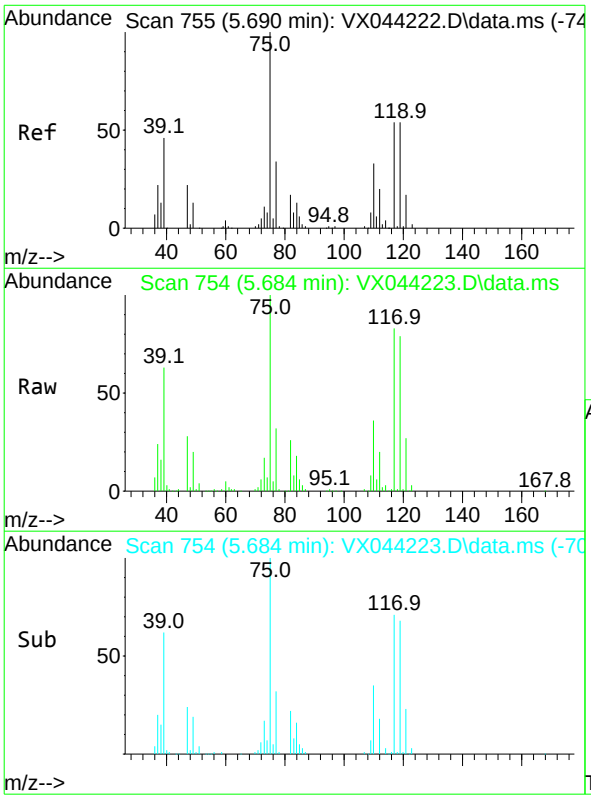
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 80.4 | 120.6 |
| 192 | 16.7 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

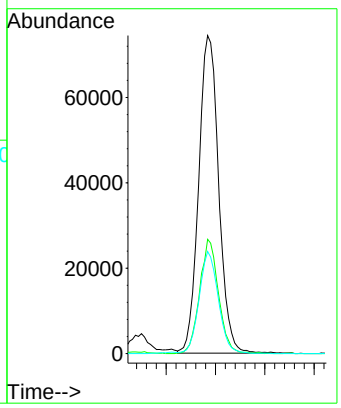
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

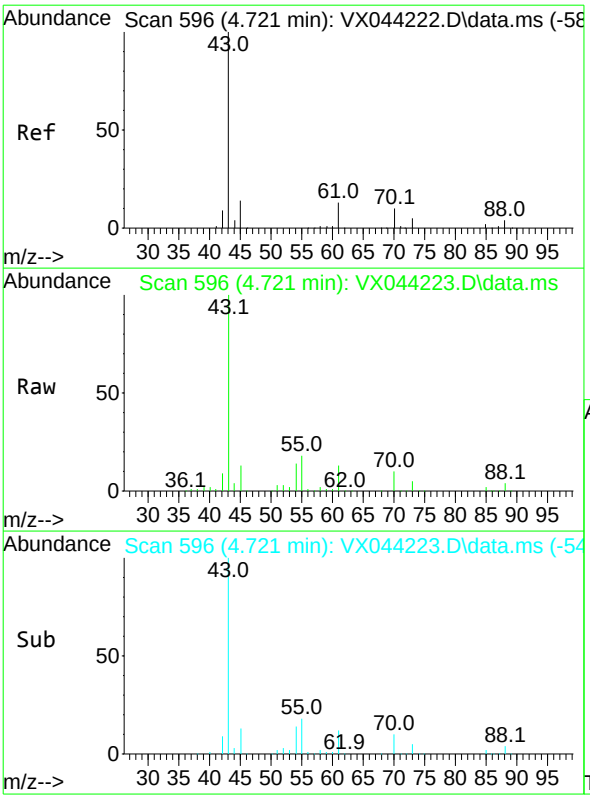



#36
1,1-Dichloropropene
Concen: 99.376 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 209732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 17.3 | 51.7 |
| 77 | 30.6 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 102.079 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 266307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.5 | 9.8 | 14.8 |
| 70 | 9.5 | 7.7 | 11.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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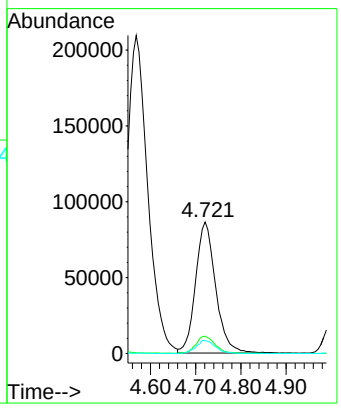
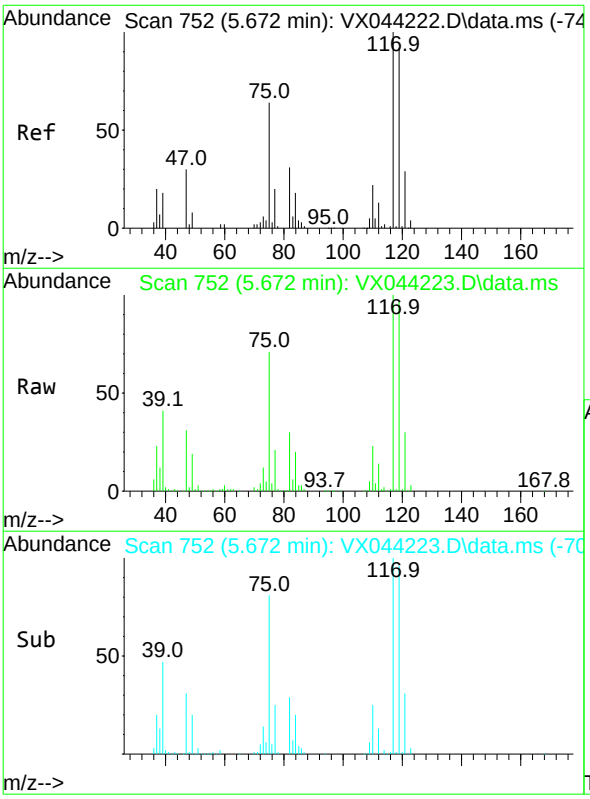
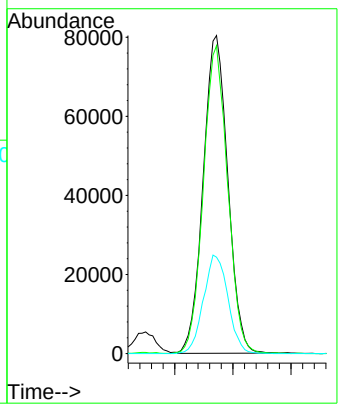


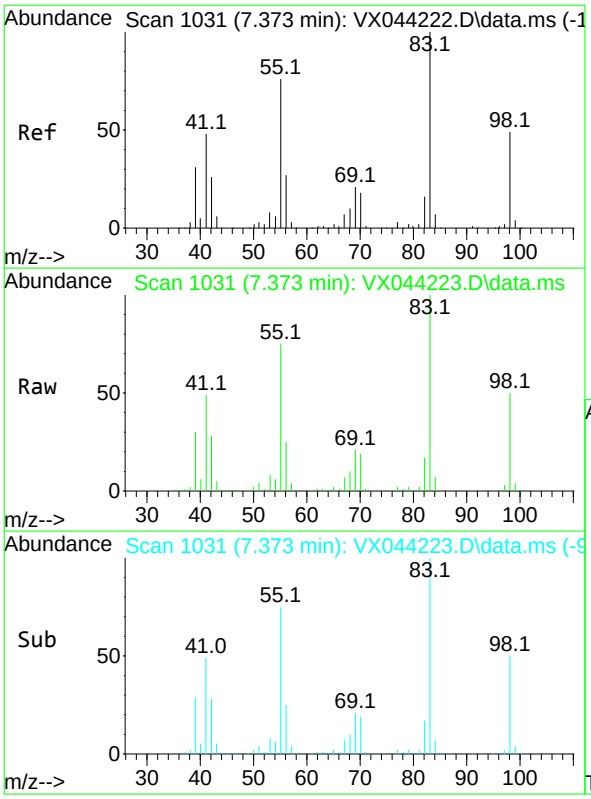




#38
Carbon Tetrachloride
Concen: 104.249 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 236869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.7 | 74.2 | 111.4 |
| 121 | 30.4 | 23.0 | 34.6 |

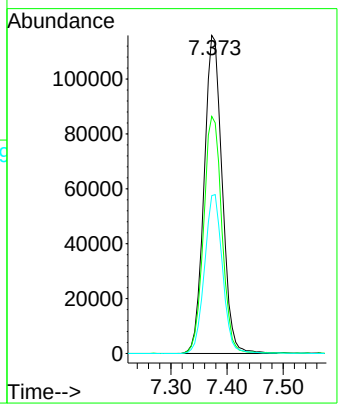





#39
Methylcyclohexane
Concen: 102.800 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 83 Resp: 259368

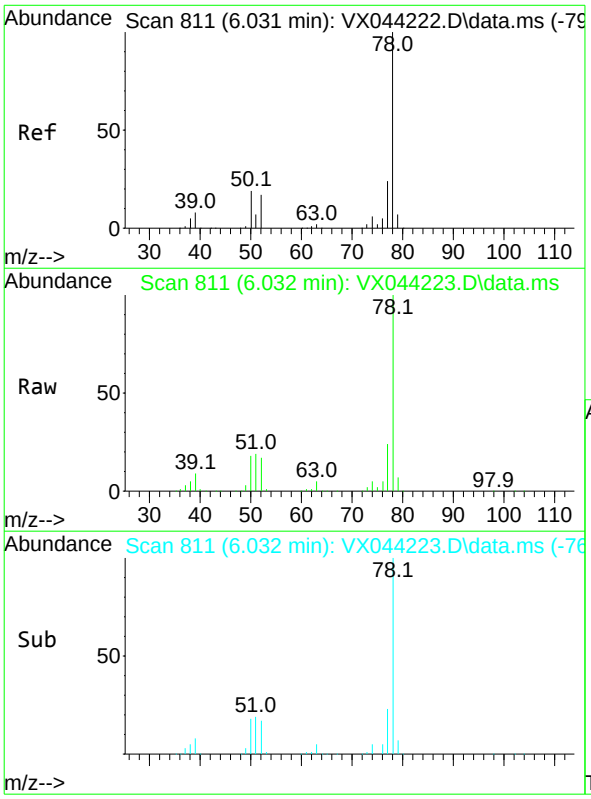
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.5 | 60.7 | 91.1 |
| 98 | 49.6 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

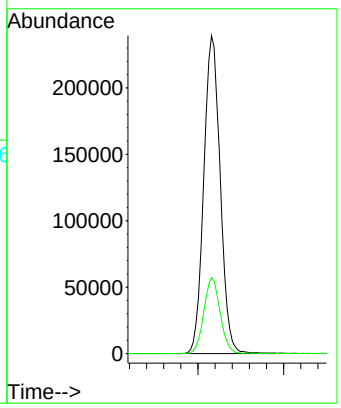
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

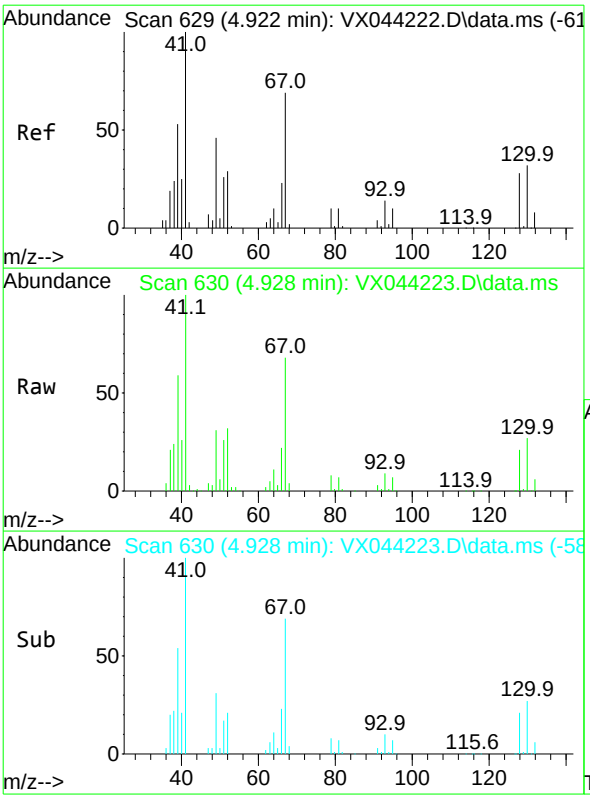



#40
Benzene
Concen: 99.575 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 78 Resp: 638055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.3 | 28.9 |

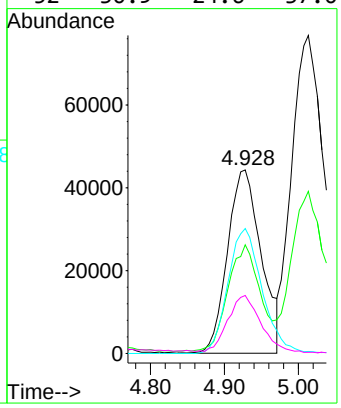





#41
Methacrylonitrile
Concen: 101.332 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 140375

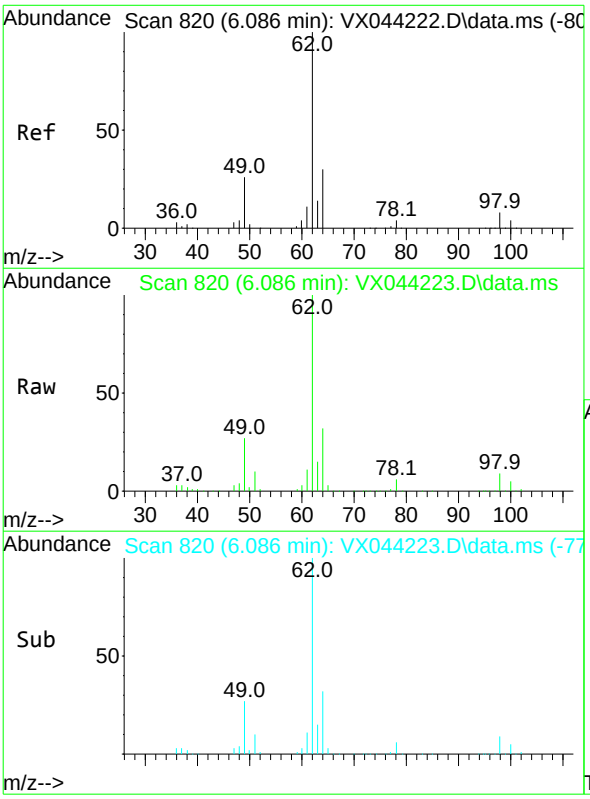
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.0 | 44.2 | 66.4 |
| 67 | 69.1 | 57.2 | 85.8 |
| 52 | 30.9 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

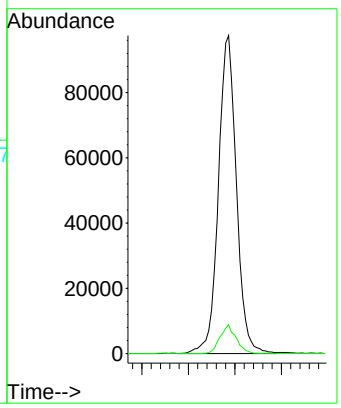
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

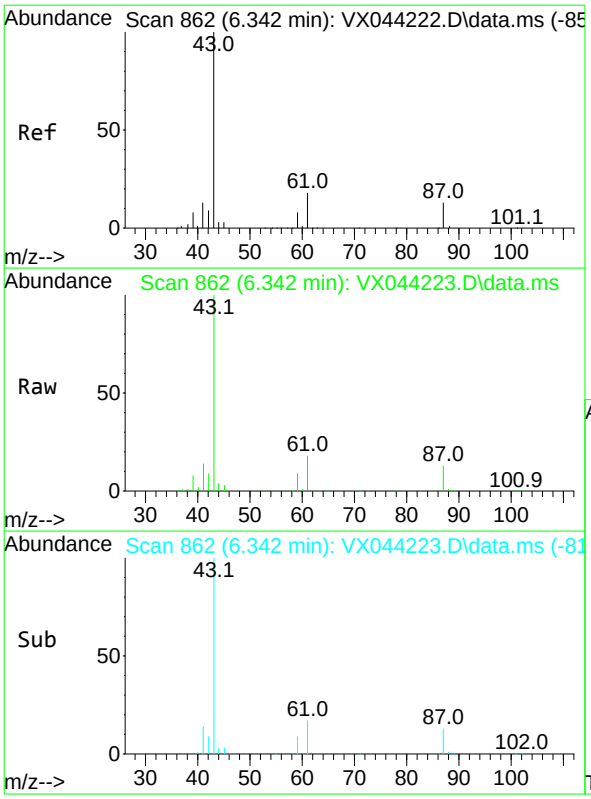



#42
1,2-Dichloroethane
Concen: 99.255 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 62 Resp: 261991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.1 | 0.0 | 15.8 |

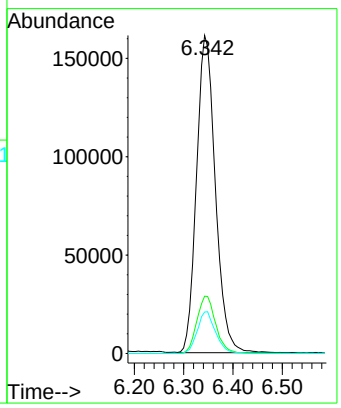





#43
Isopropyl Acetate
Concen: 104.939 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 427893

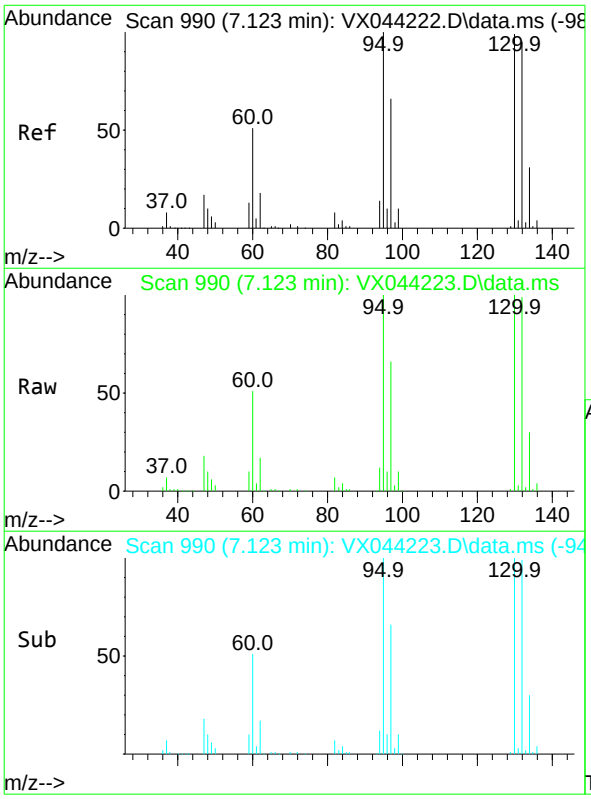
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.2 | 14.2 | 21.2 |
| 87 | 12.8 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

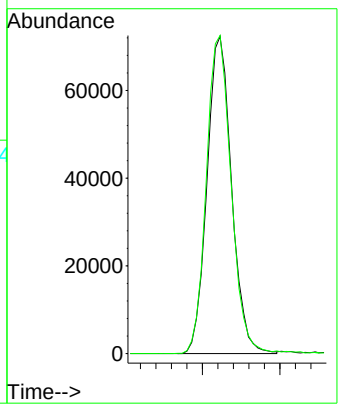
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

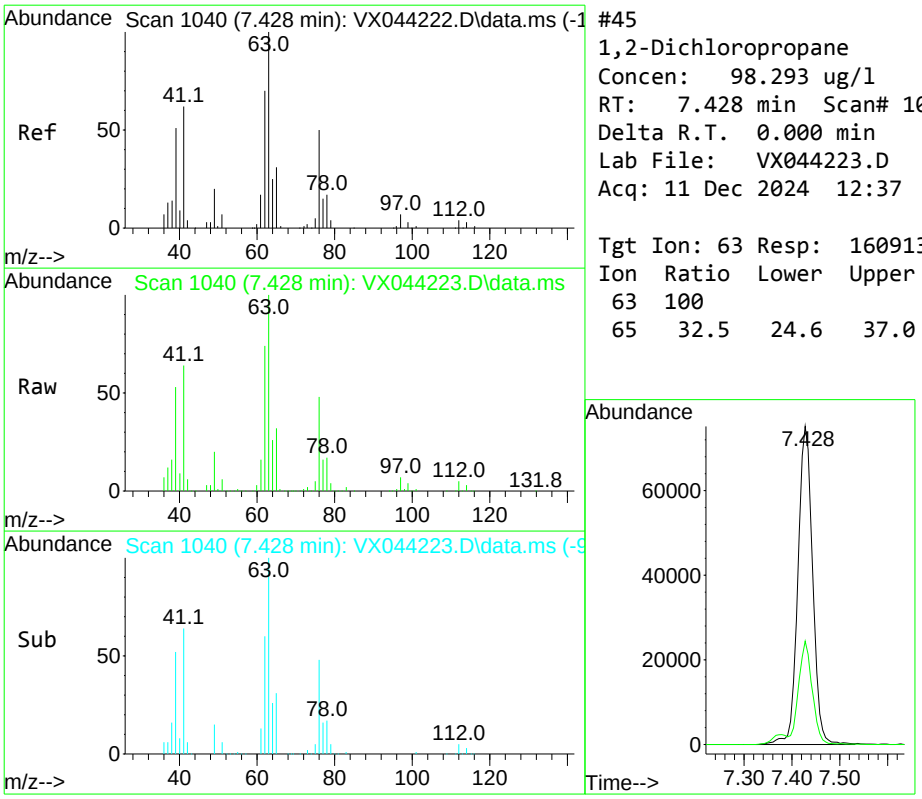



#44
Trichloroethene
Concen: 99.497 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:130 Resp: 158990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.2 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 98.293 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 160913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.5 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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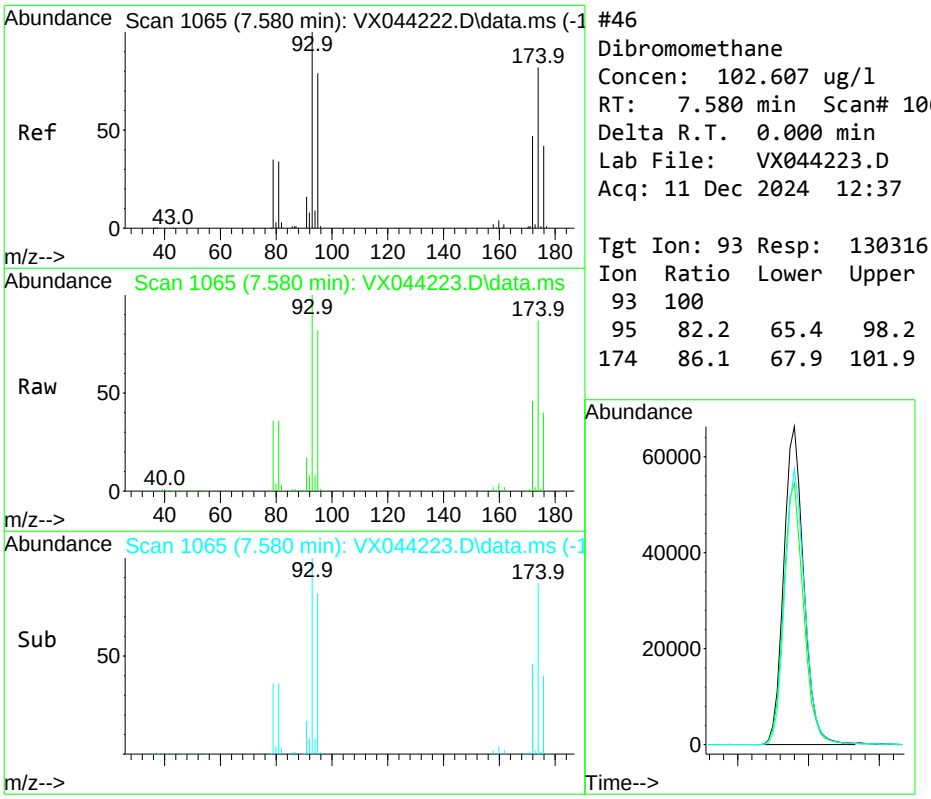
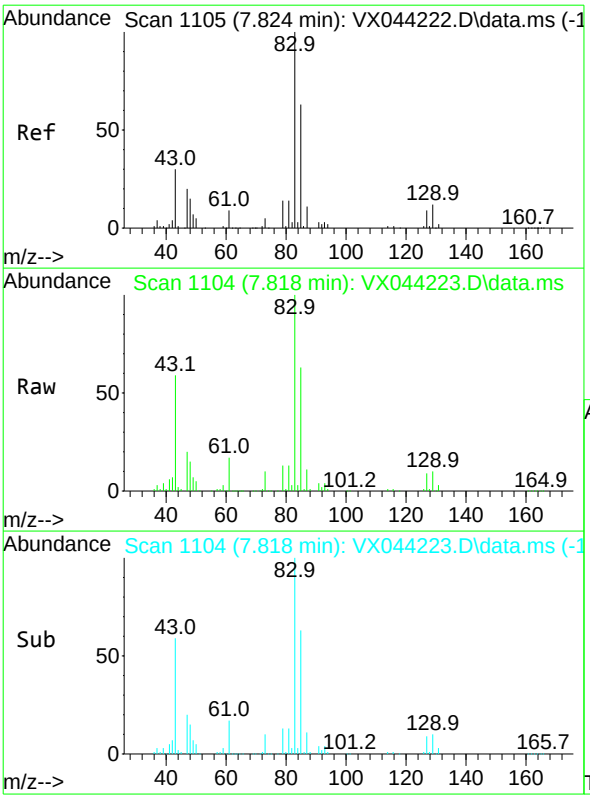



#46
Dibromomethane
Concen: 102.607 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 93 Resp: 130316

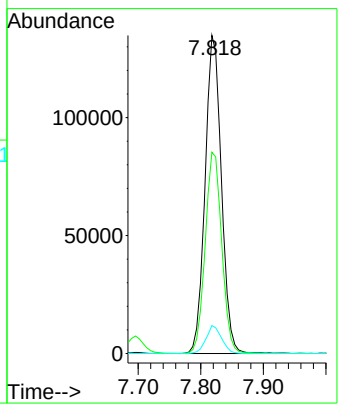
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.2 | 65.4 | 98.2 |
| 174 | 86.1 | 67.9 | 101.9 |




#47
Bromodichloromethane
Concen: 111.423 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 83 Resp: 244401

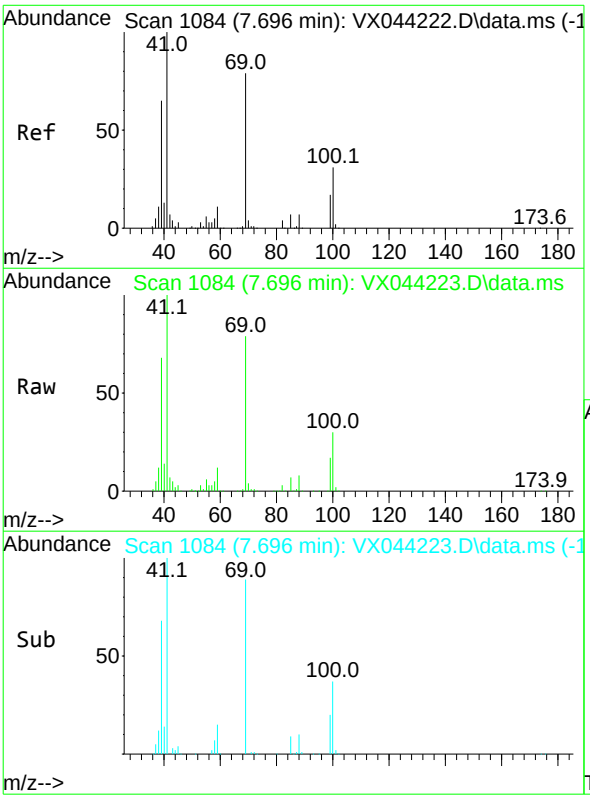
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 50.6 | 75.8 |
| 127 | 8.8 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

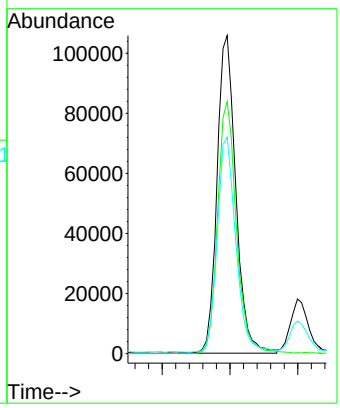
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

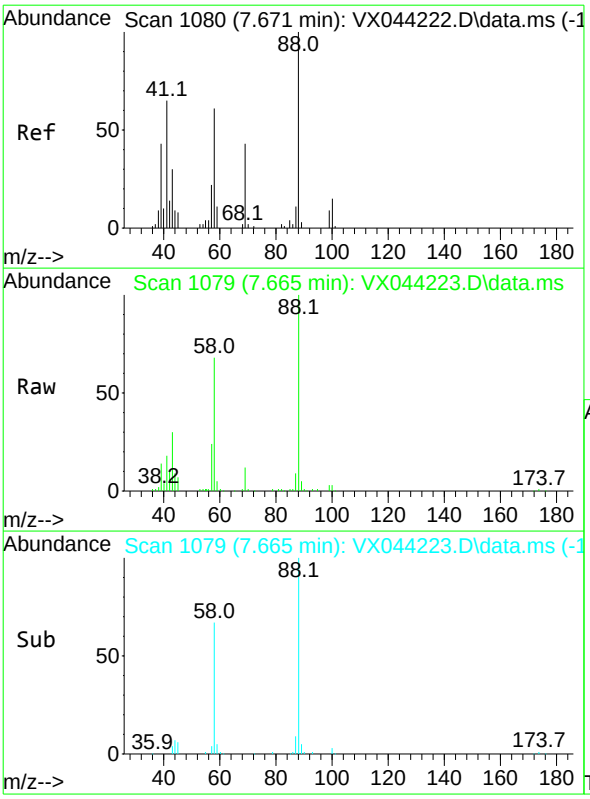



#48
Methyl methacrylate
Concen: 102.618 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 203116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.5 | 62.4 | 93.6 |
| 39 | 67.4 | 53.3 | 79.9 |

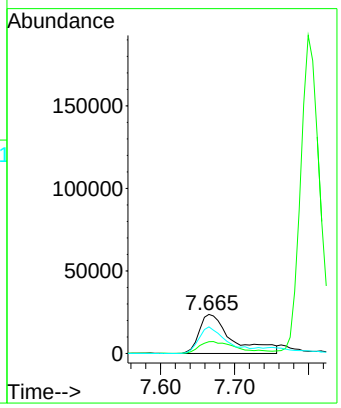





#49
1,4-Dioxane
Concen: 2170.871 ug/l m
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 88 Resp: 73434

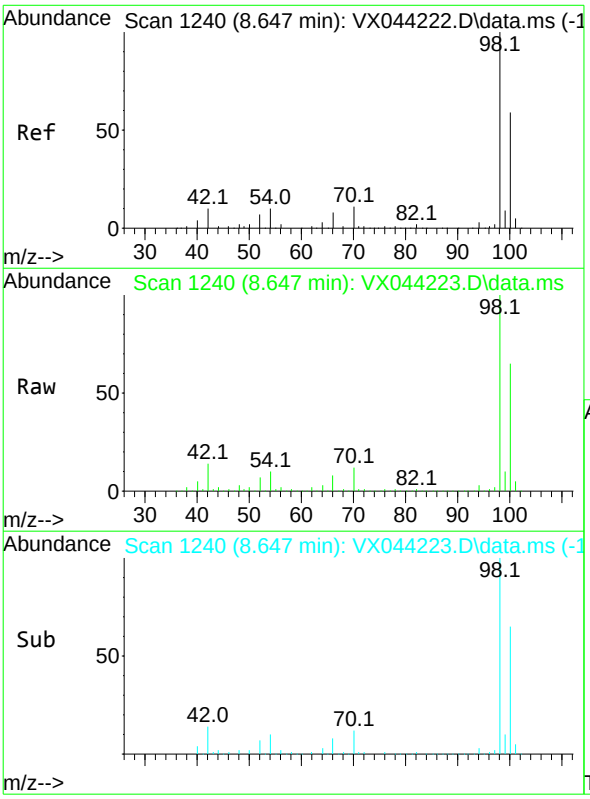
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 34.9 | 27.1 | 40.7 |
| 58 | 57.8 | 41.0 | 61.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

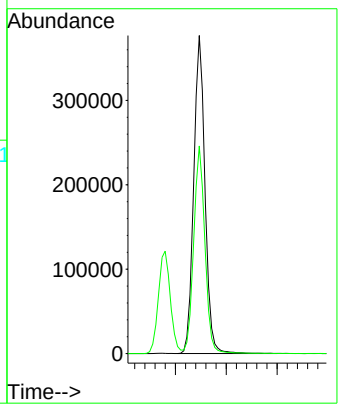
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

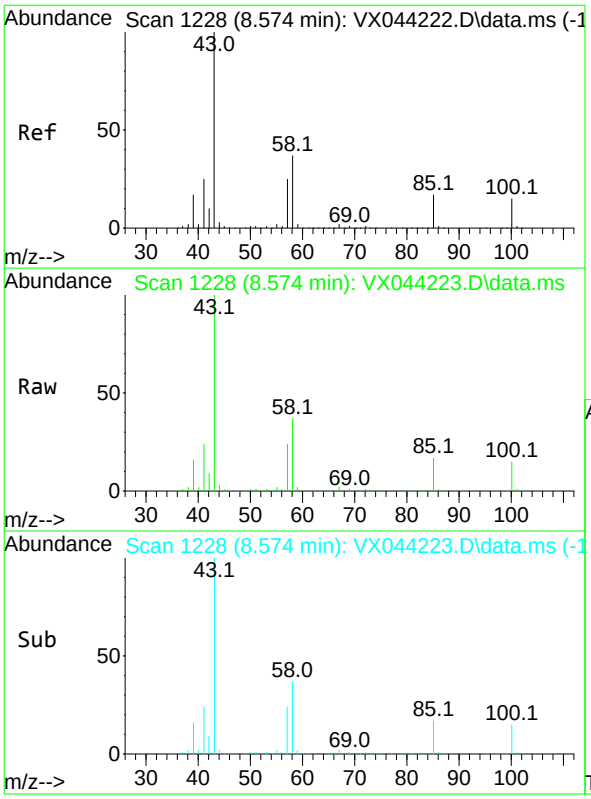



#50
Toluene-d8
Concen: 105.201 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 98 Resp: 579477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 51.5 | 77.3 |

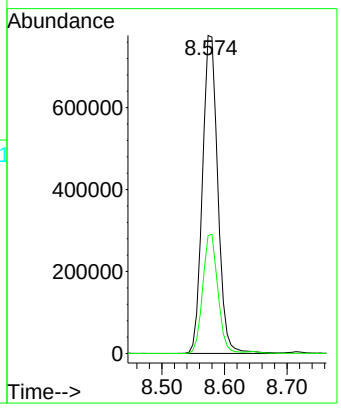





#51
4-Methyl-2-Pentanone
Concen: 504.496 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 1322678

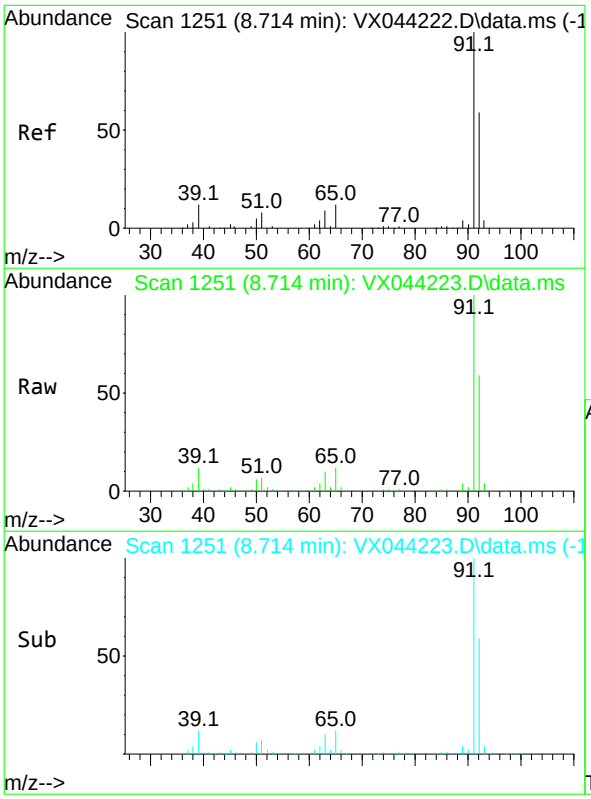
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.0 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

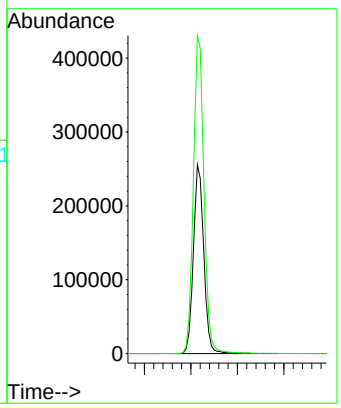
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

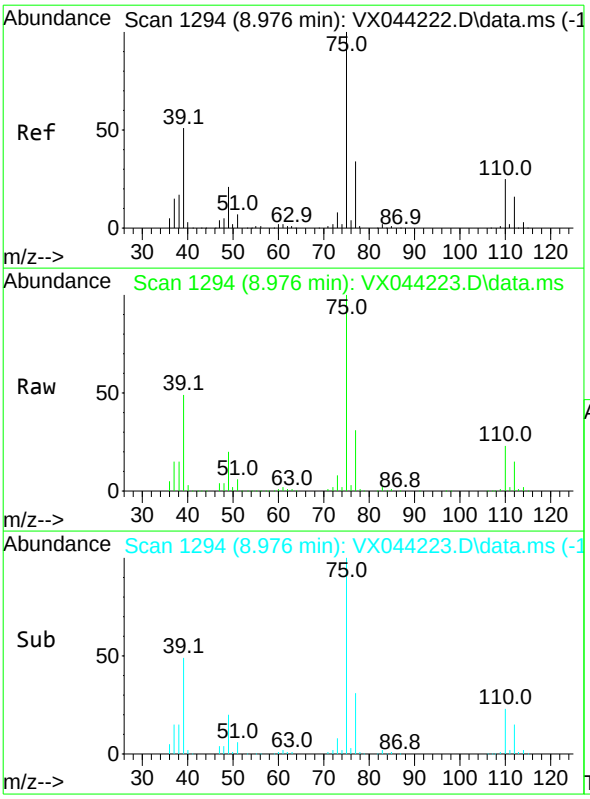



#52
Toluene
Concen: 98.506 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 92 Resp: 396383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 137.0 | 205.6 |

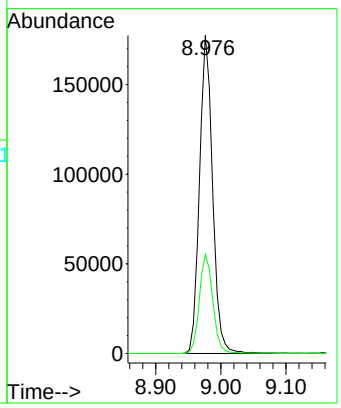





#53
t-1,3-Dichloropropene
Concen: 99.321 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 248092

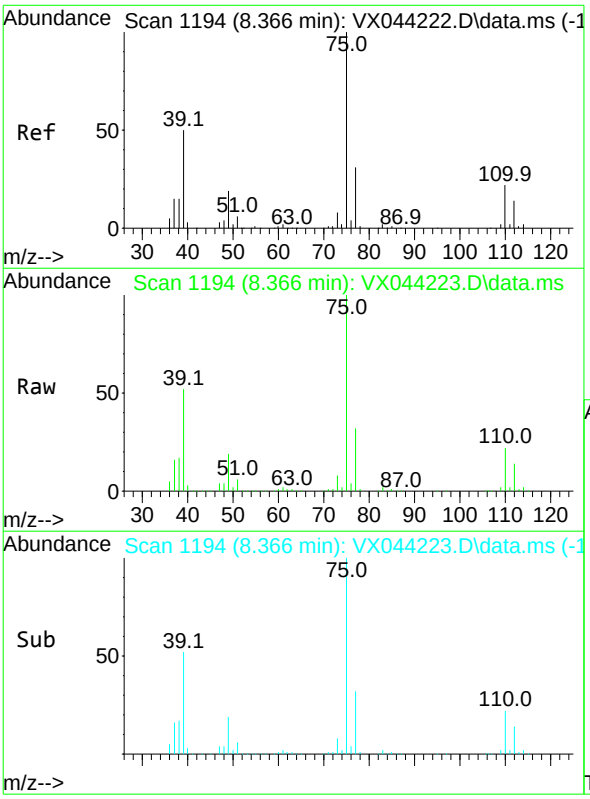
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

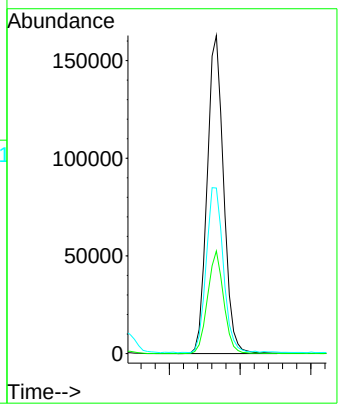
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

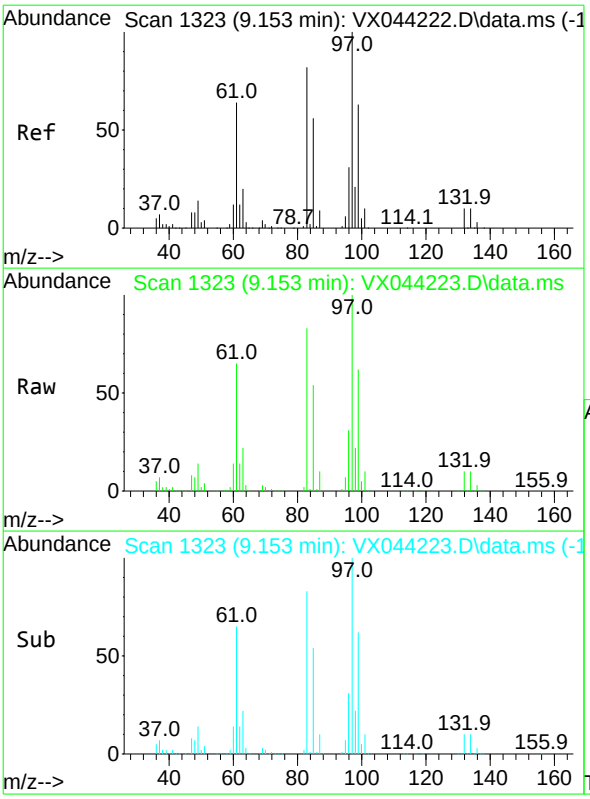



#54
cis-1,3-Dichloropropene
Concen: 110.127 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 263014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 24.7 | 37.1 |
| 39 | 51.8 | 40.3 | 60.5 |

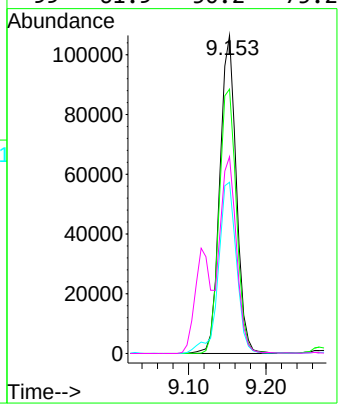





#55
1,1,2-Trichloroethane
Concen: 98.441 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 97 Resp: 157366

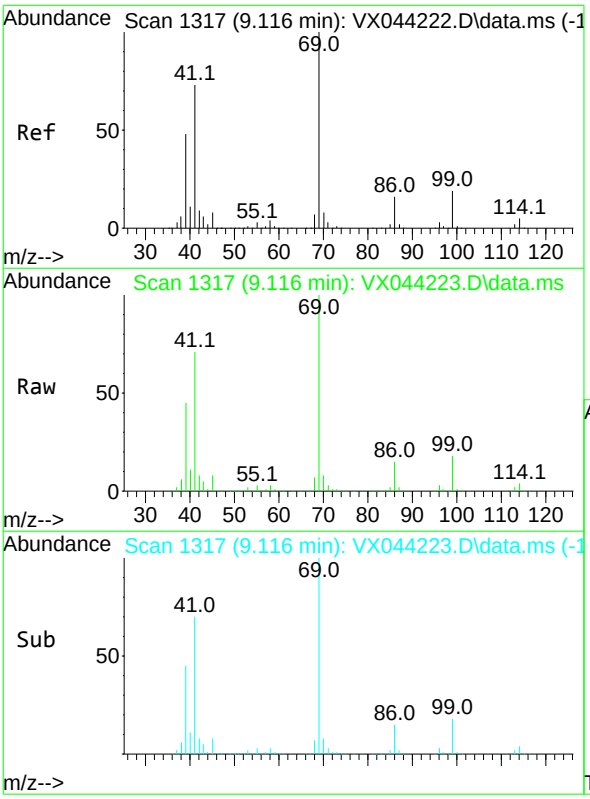
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.1 | 65.3 | 97.9 |
| 85 | 53.8 | 44.6 | 67.0 |
| 99 | 61.9 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

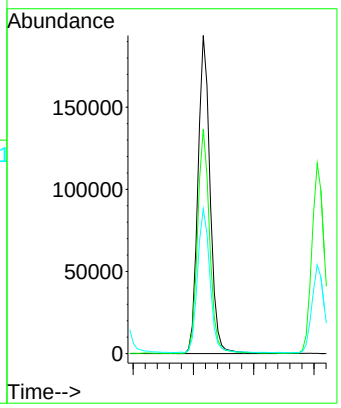
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

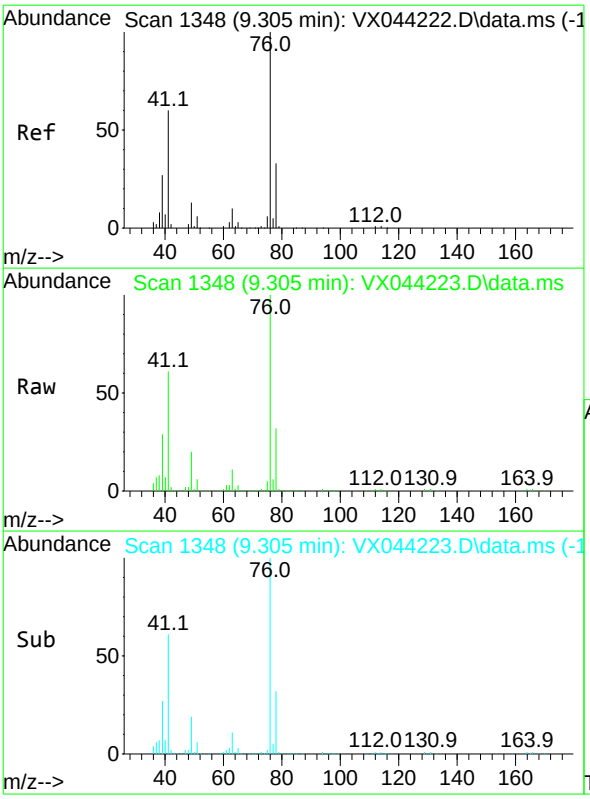



#56
Ethyl methacrylate
Concen: 107.442 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 69 Resp: 271146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.4 | 56.6 | 85.0 |
| 39 | 46.1 | 37.4 | 56.0 |

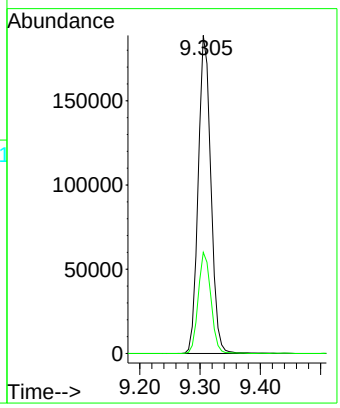





#57
1,3-Dichloropropane
Concen: 98.704 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 76 Resp: 274642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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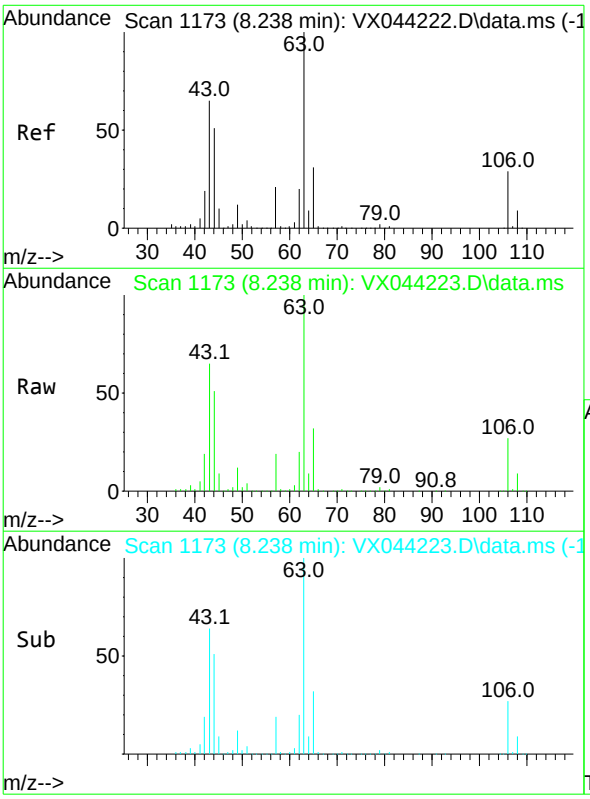
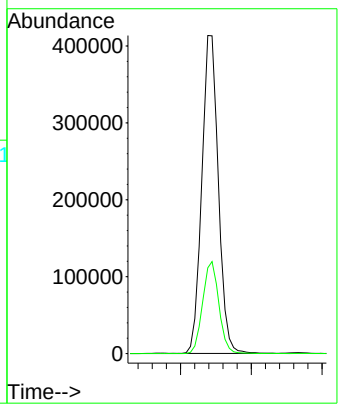
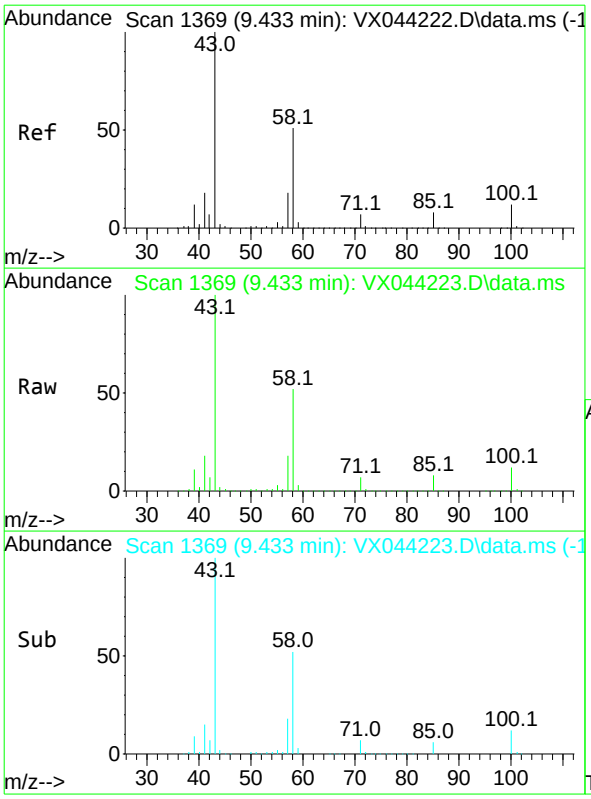



#58
2-Chloroethyl Vinyl ether
Concen: 527.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 671233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 521.401 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 989466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.9 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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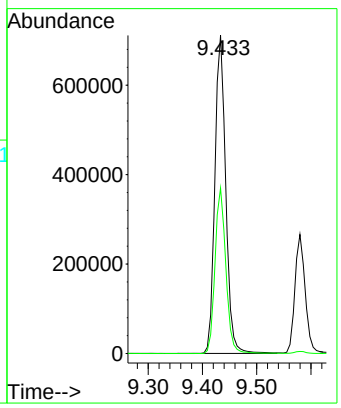
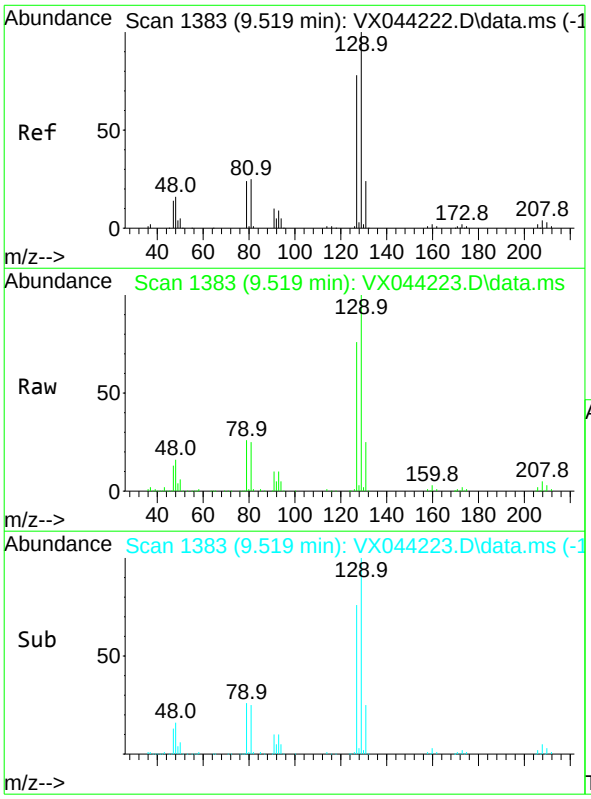
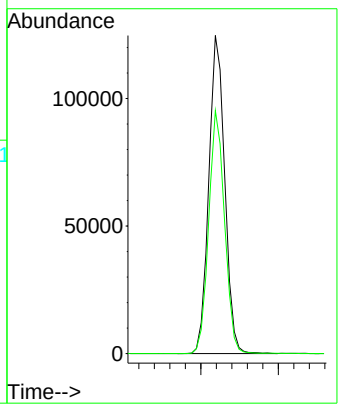


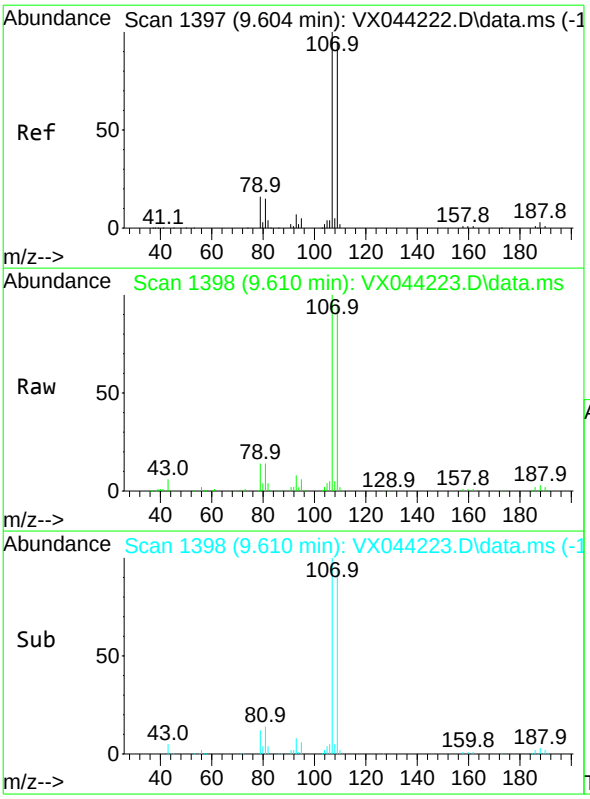




#60
Dibromochloromethane
Concen: 99.480 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:129 Resp: 178135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.0 | 38.5 | 115.3 |

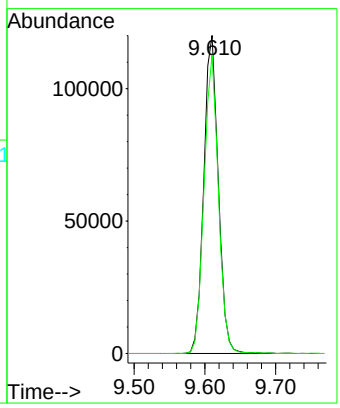





#61
1,2-Dibromoethane
Concen: 105.371 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:107 Resp: 171458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.1 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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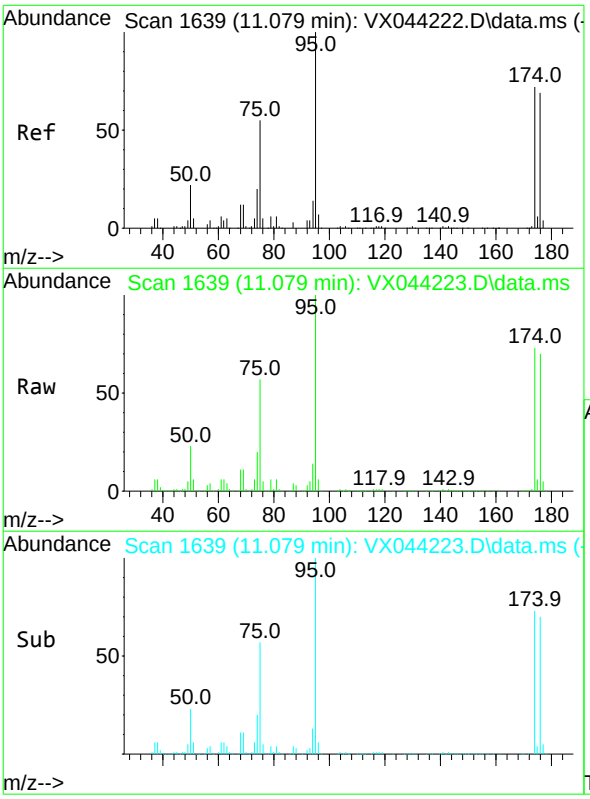
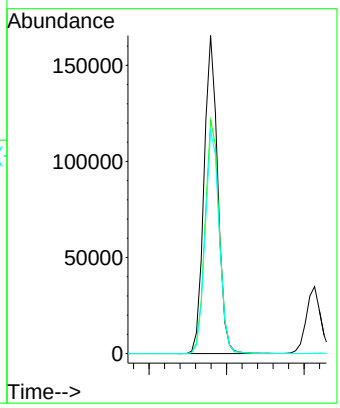
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

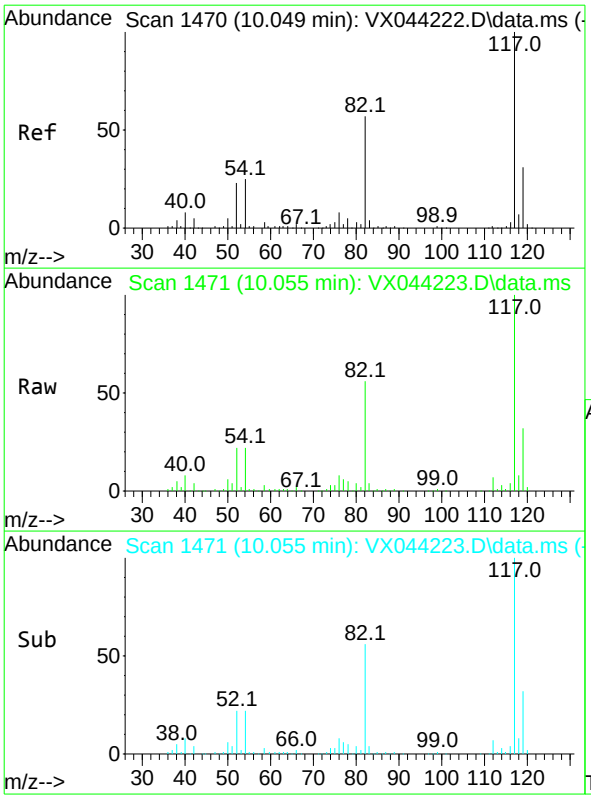



#62
4-Bromofluorobenzene
Concen: 105.830 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 95 Resp: 203694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.0 | 0.0 | 145.8 |
| 176 | 72.0 | 0.0 | 137.8 |

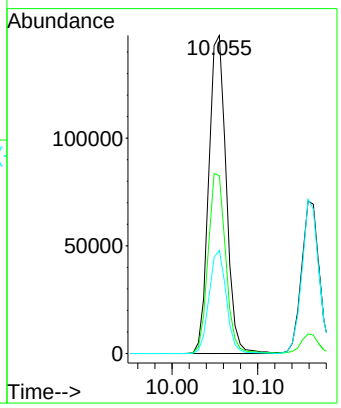





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 209164

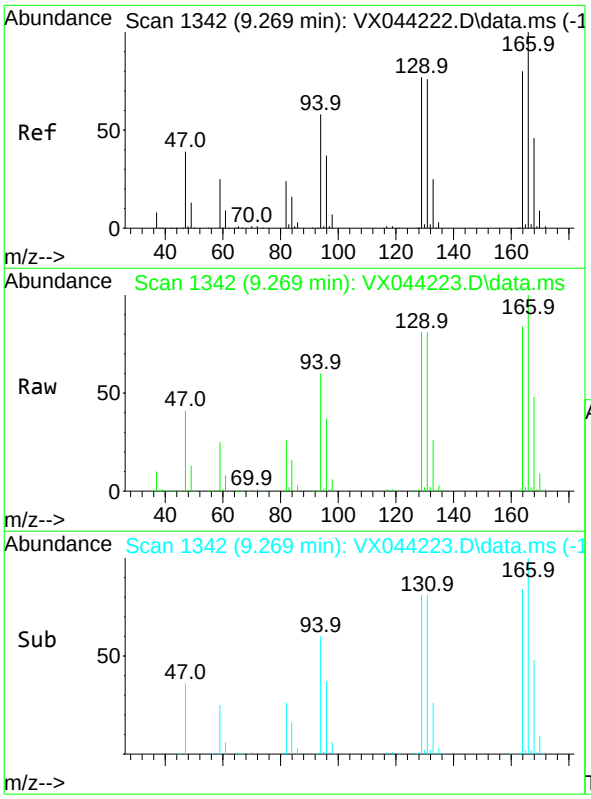
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 45.8 | 68.8 |
| 119 | 32.4 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

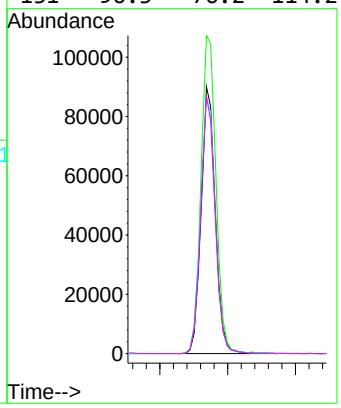
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

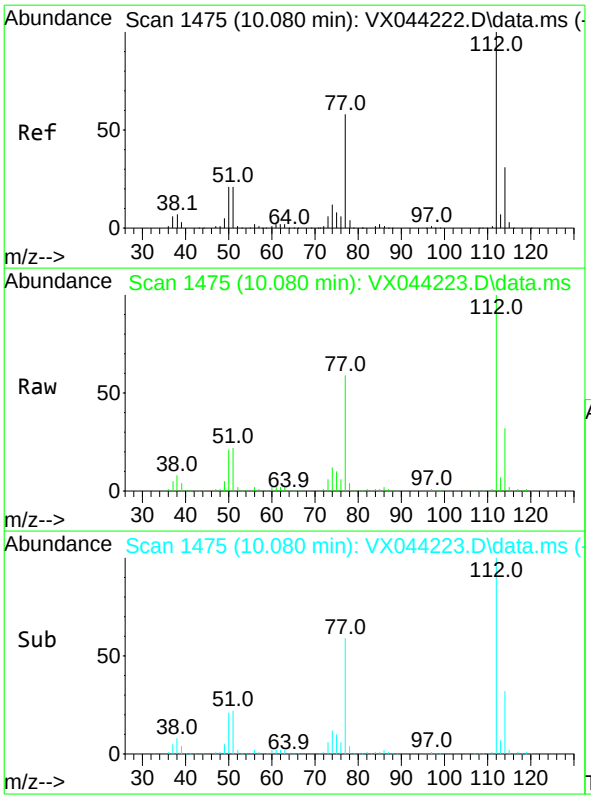



#64
Tetrachloroethene
Concen: 94.131 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:164 Resp: 130678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 119.2 | 100.4 | 150.6 |
| 129 | 96.1 | 77.2 | 115.8 |
| 131 | 96.3 | 76.2 | 114.2 |

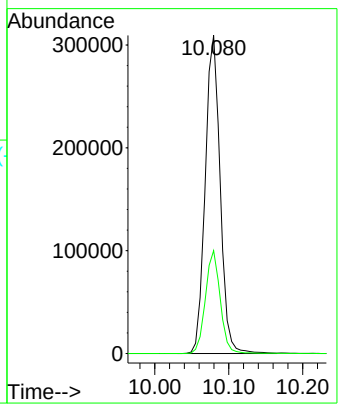





#65
Chlorobenzene
Concen: 96.650 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:112 Resp: 433179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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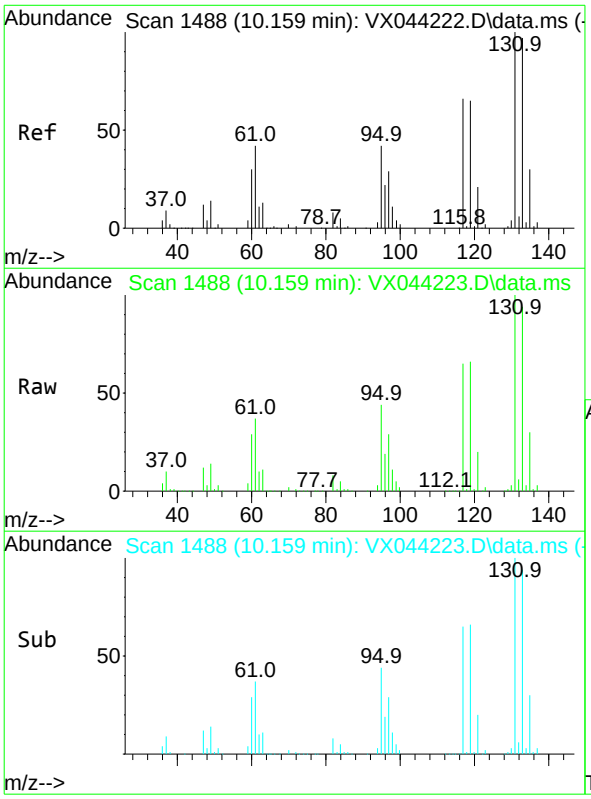
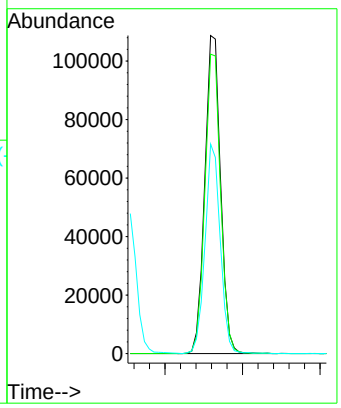
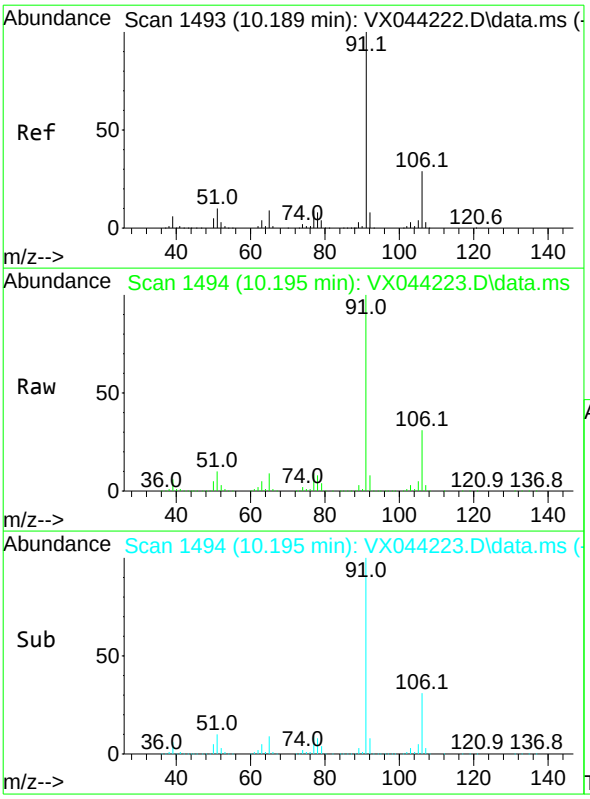



#66
1,1,1,2-Tetrachloroethane
Concen: 106.831 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:131 Resp: 153882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.6 | 47.3 | 141.8 |
| 119 | 63.5 | 31.6 | 95.0 |

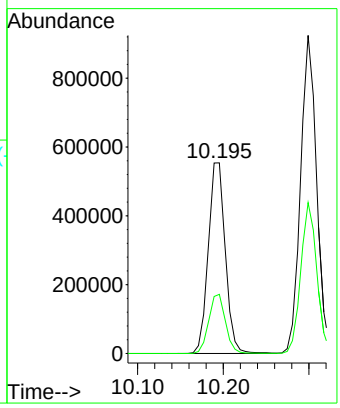





#67
Ethyl Benzene
Concen: 98.906 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 765930

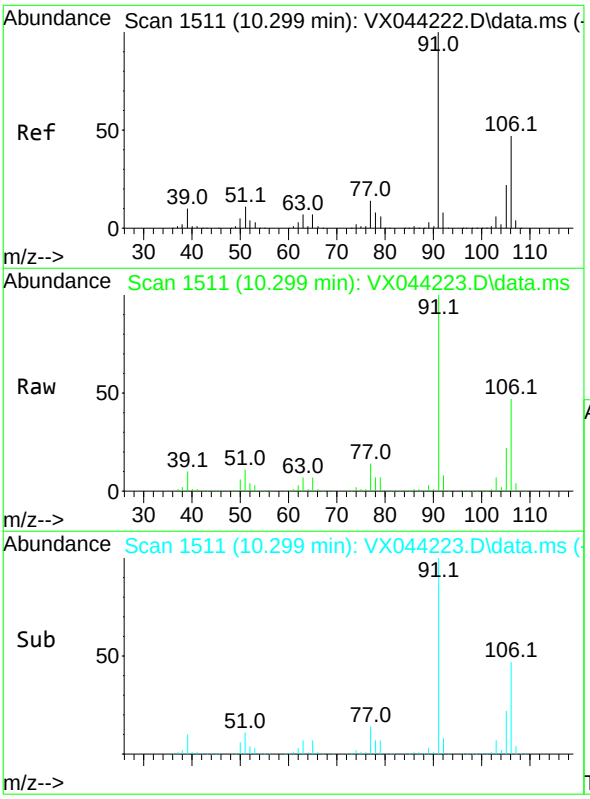
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.0 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

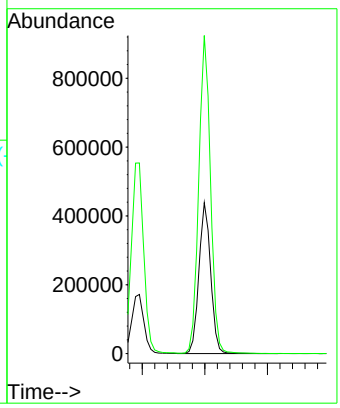
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

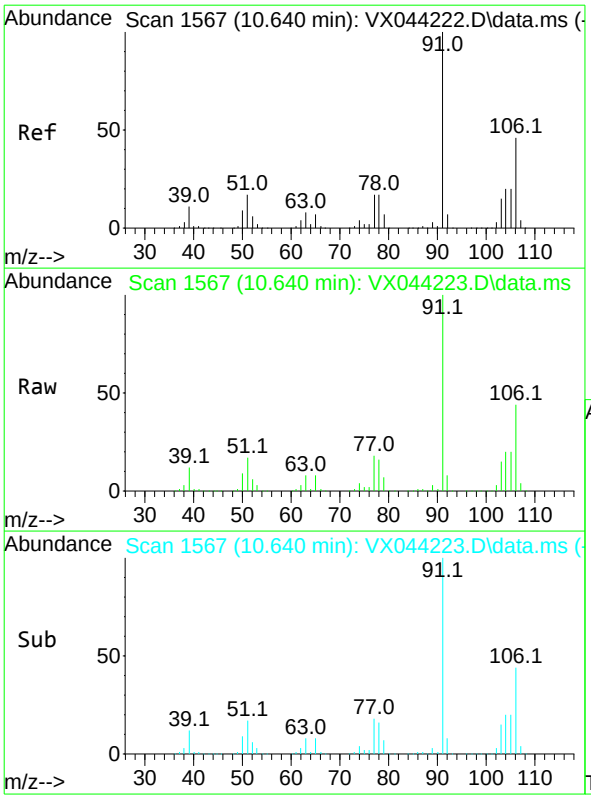



#68
m/p-Xylenes
Concen: 201.171 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:106 Resp: 571648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.0 | 170.2 | 255.2 |

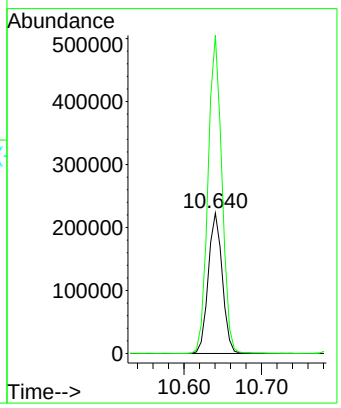





#69
o-Xylene
Concen: 97.597 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:106 Resp: 280603

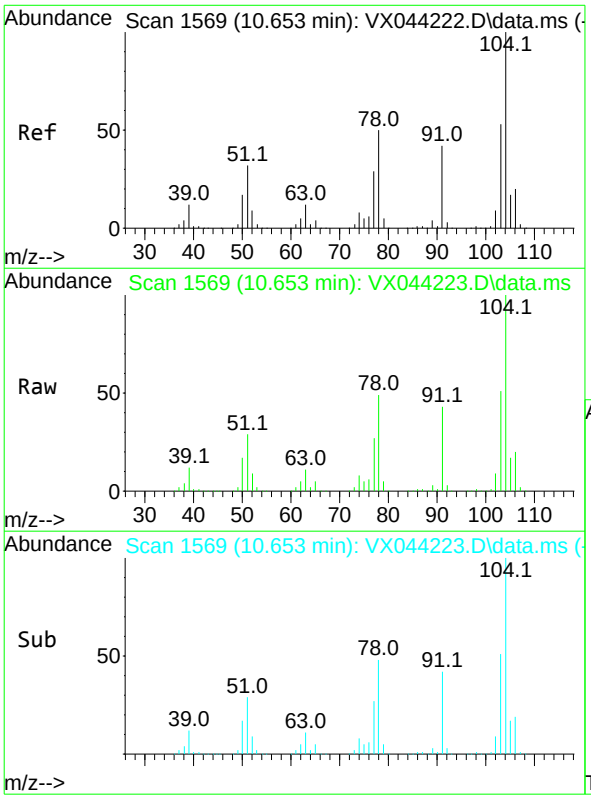
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.9 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

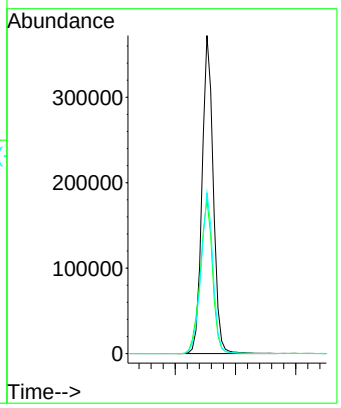
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

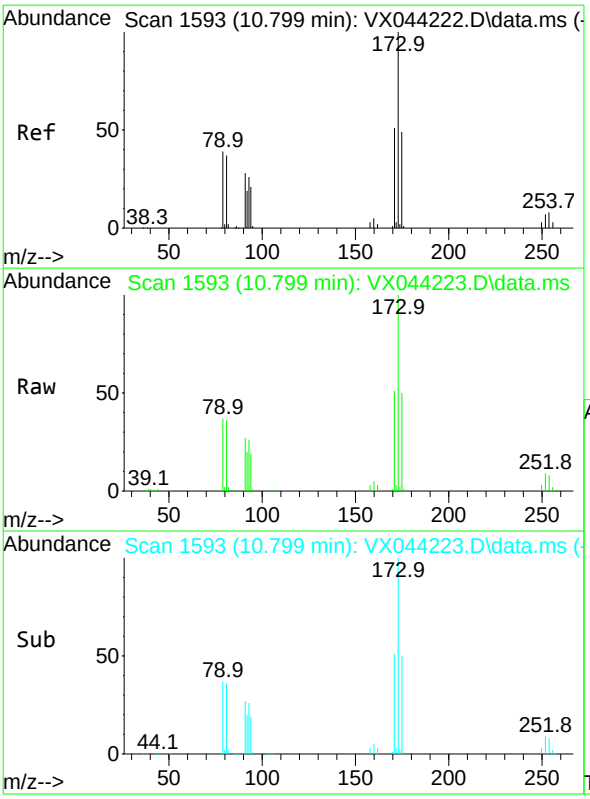



#70
Styrene
Concen: 104.159 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:104 Resp: 480077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 44.6 | 67.0 |
| 103 | 54.5 | 45.4 | 68.0 |

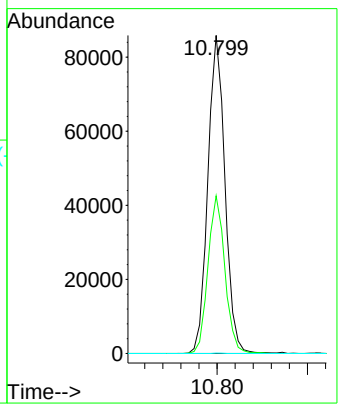





#71
Bromoform
Concen: 99.723 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:173 Resp: 112482

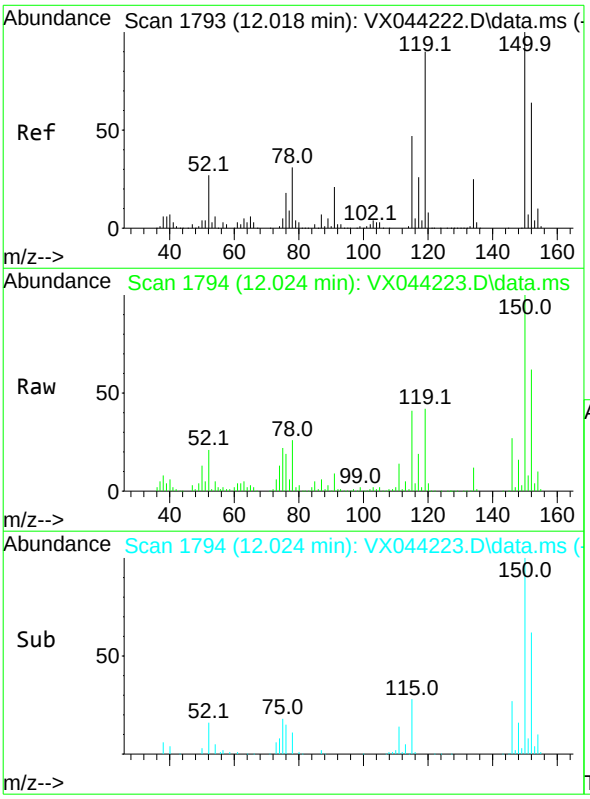
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.2 | 23.8 | 71.4 |
| 254 | 0.1 | 0.0 | 0.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

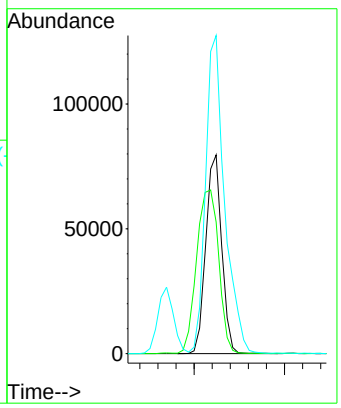
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

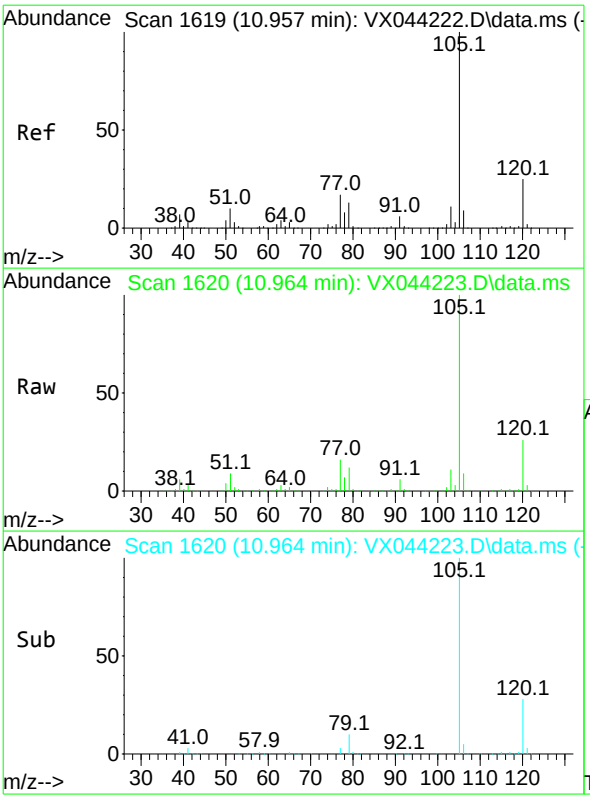



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:152 Resp: 97670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 114.3 | 44.5 | 133.3 |
| 150 | 190.6 | 0.0 | 353.8 |

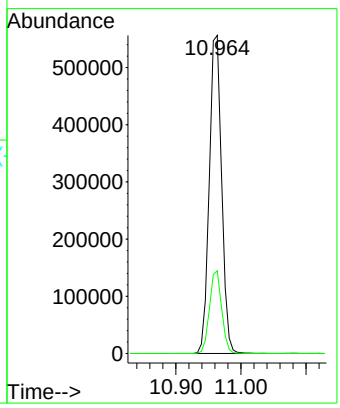





#73
Isopropylbenzene
Concen: 97.894 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 731955

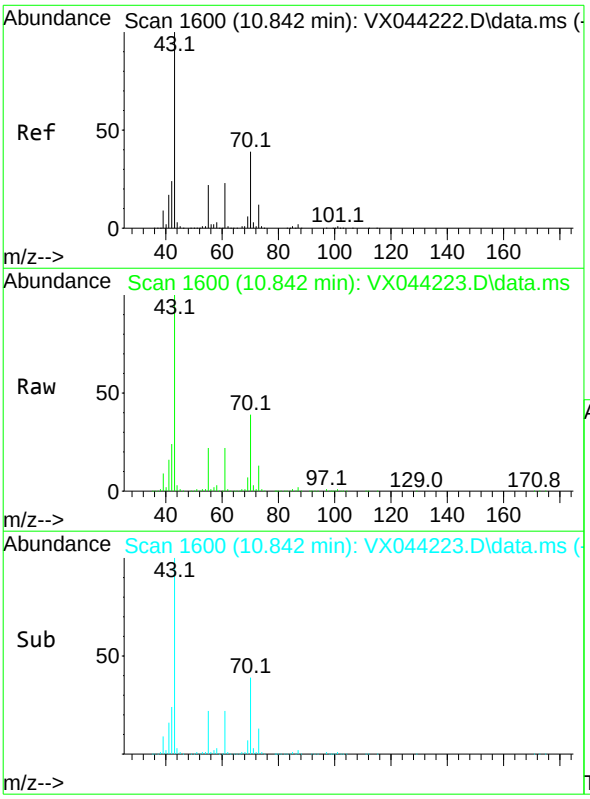
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

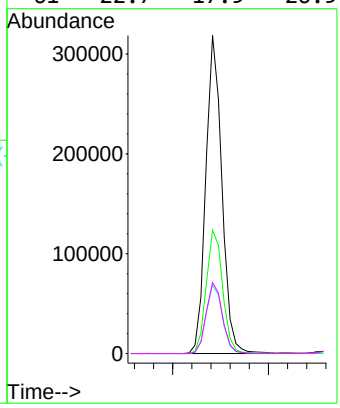
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

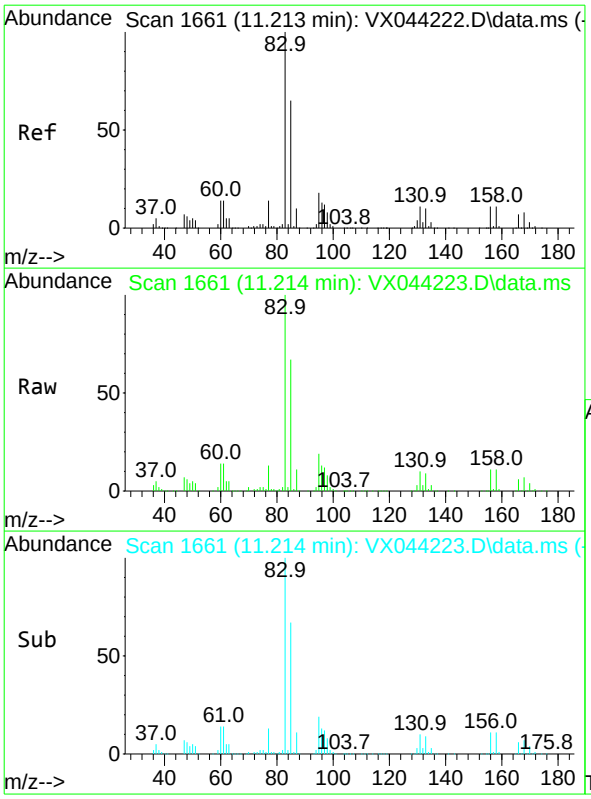



#74
N-amyl acetate
Concen: 107.485 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 371420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.7 | 31.9 | 47.9 |
| 55 | 22.2 | 17.9 | 26.9 |
| 61 | 22.7 | 17.9 | 26.9 |






#75
1,1,2,2-Tetrachloroethane
Concen: 94.491 ug/l
RT: 11.214 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

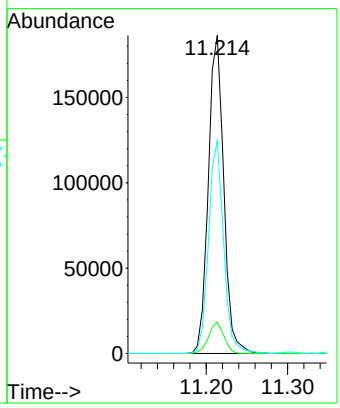
Tgt Ion: 83 Resp: 245395

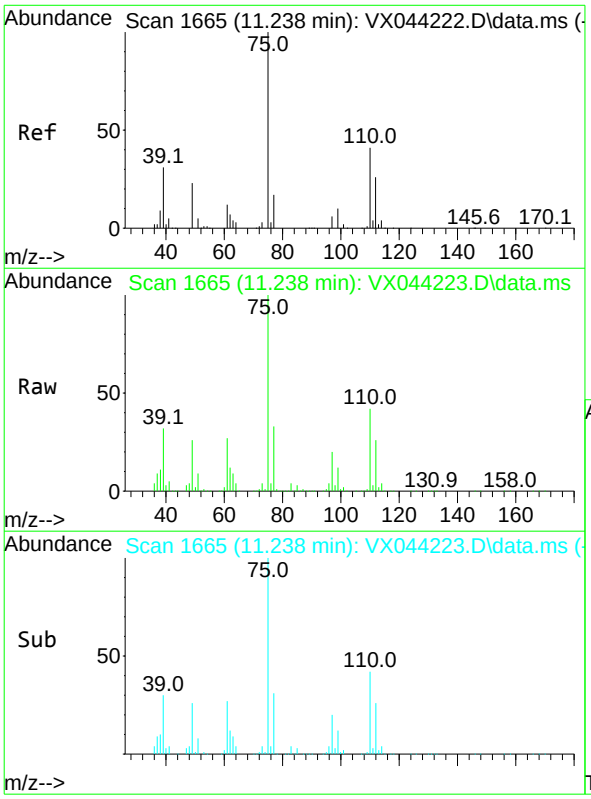
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.1 | 15.4 |
| 85 | 65.4 | 32.5 | 97.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

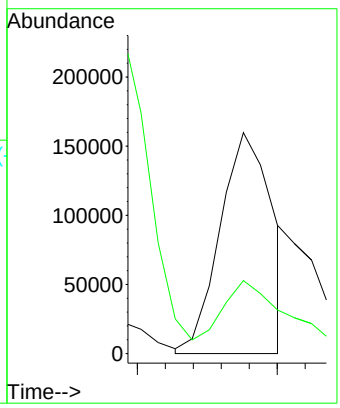


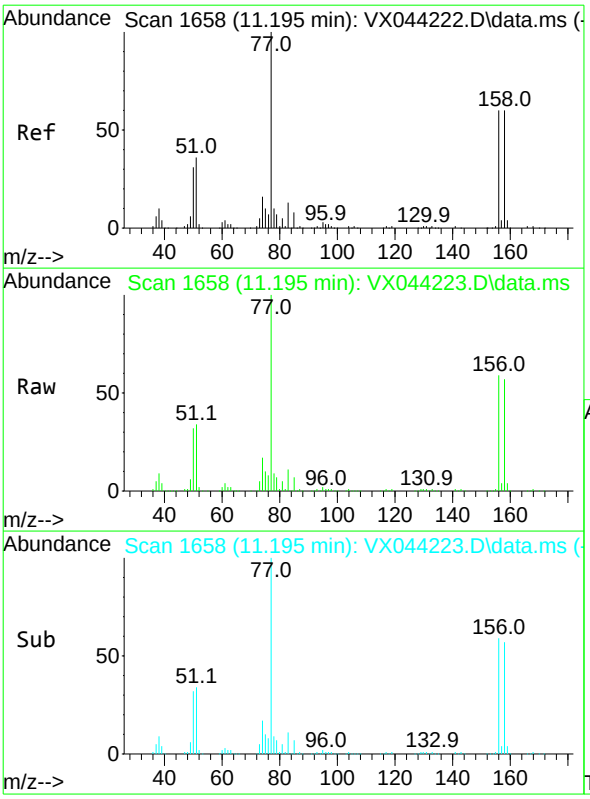




#76
1,2,3-Trichloropropane
Concen: 93.302 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 206786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.4 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 96.874 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

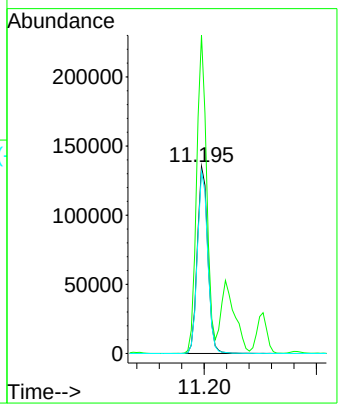
Tgt Ion:156 Resp: 175647

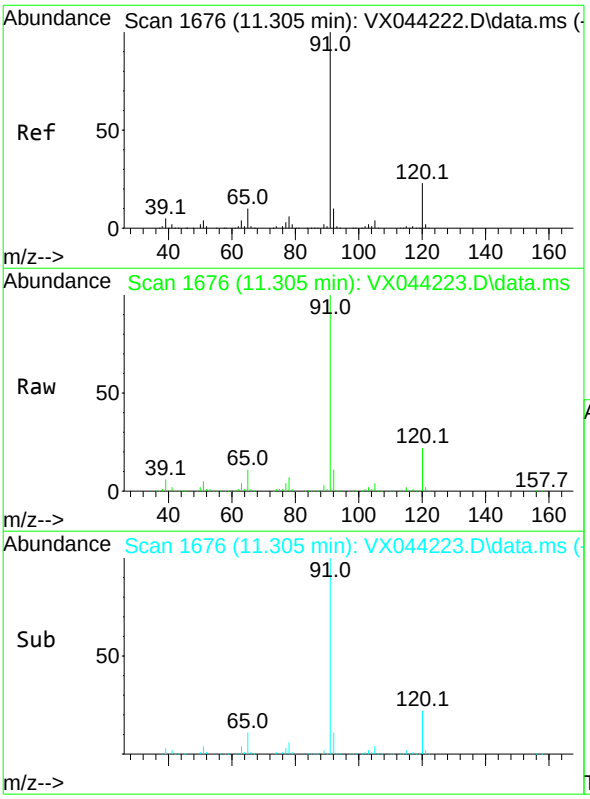
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.7 | 82.6 | 247.8 |
| 158 | 96.2 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

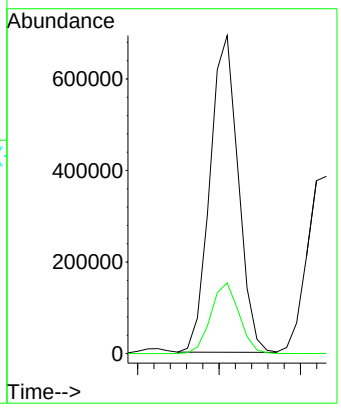


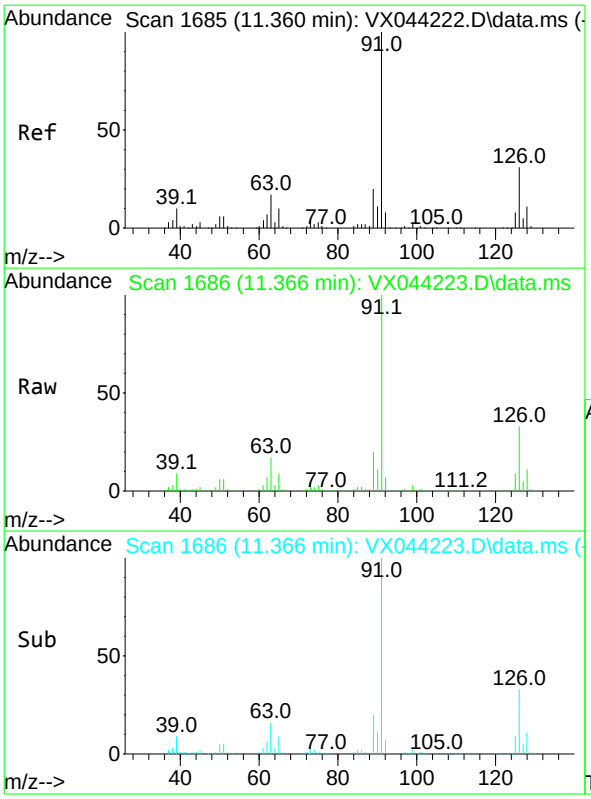




#78
n-propylbenzene
Concen: 101.242 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 836676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.0 | 33.0 |

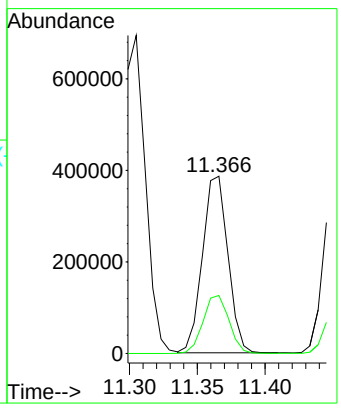





#79
2-Chlorotoluene
Concen: 94.377 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 504407

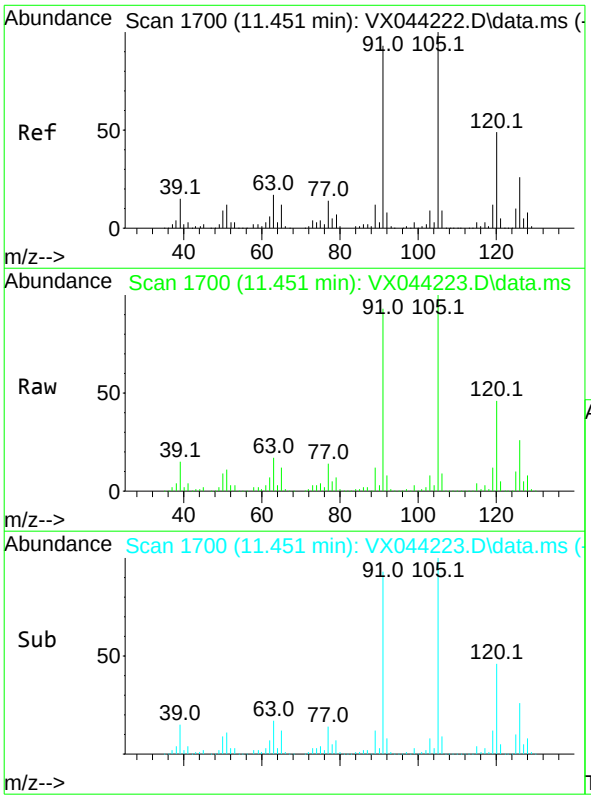
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

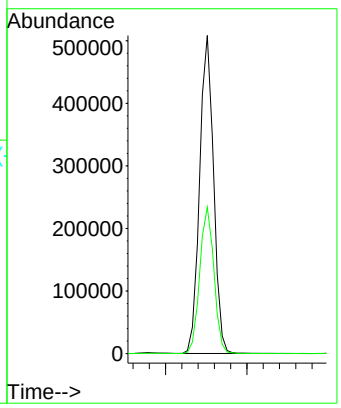
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

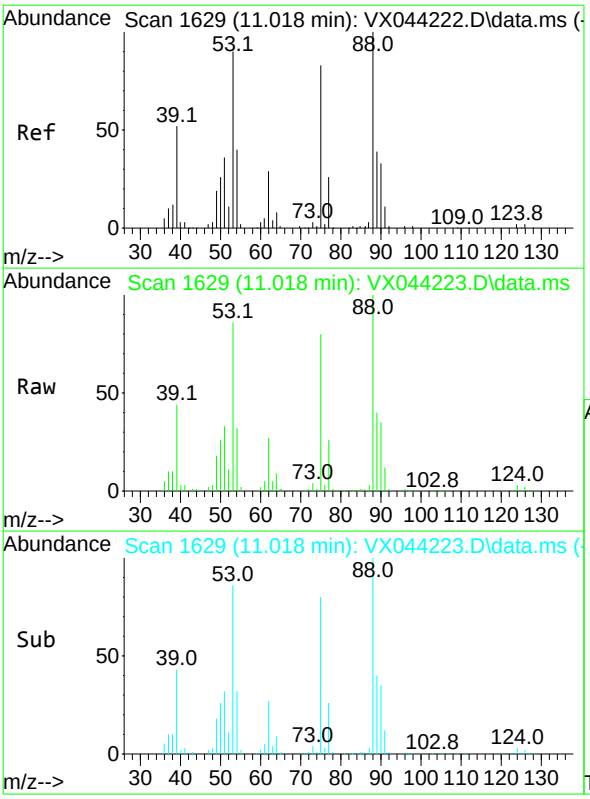



#80
1,3,5-Trimethylbenzene
Concen: 97.570 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 604993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 97.165 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

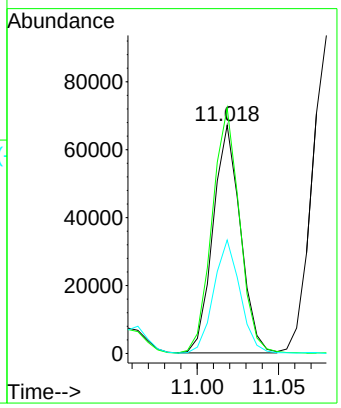
Tgt Ion: 75 Resp: 78453

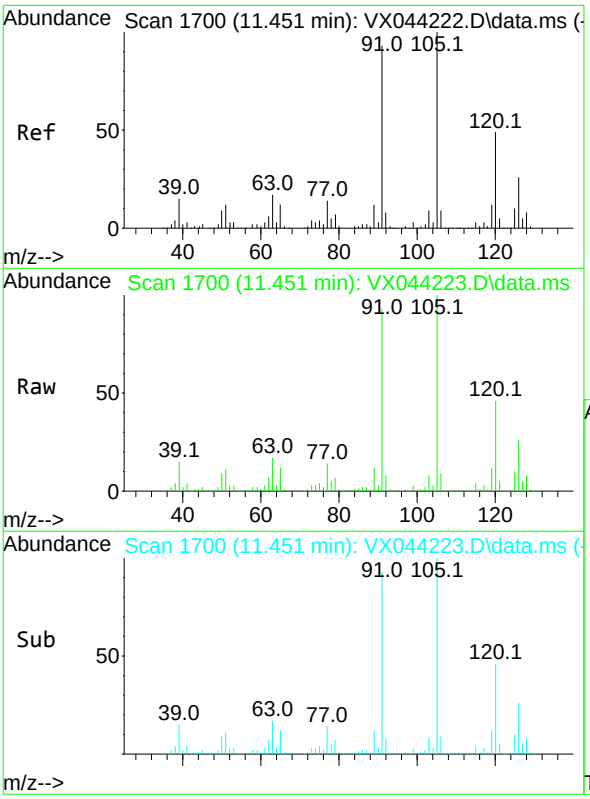
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 107.9 | 93.6 | 140.4 |
| 89 | 47.8 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

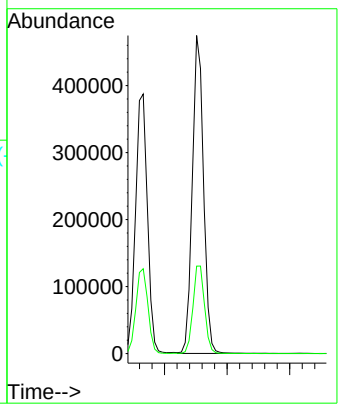


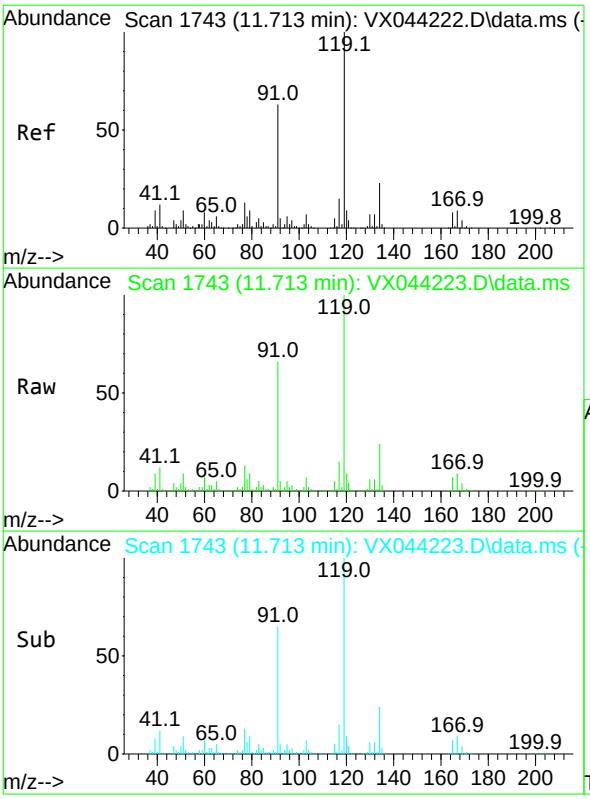




#82
4-Chlorotoluene
Concen: 99.384 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 588197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.5 | 43.5 |

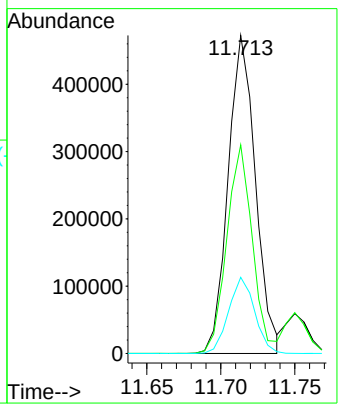





#83
tert-Butylbenzene
Concen: 99.013 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:119 Resp: 606738

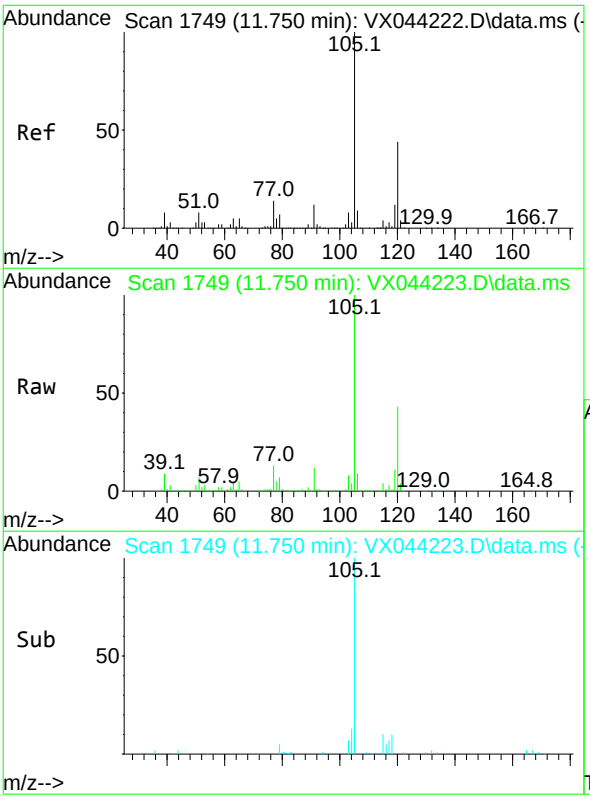
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.5 | 30.9 | 92.5 |
| 134 | 22.8 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

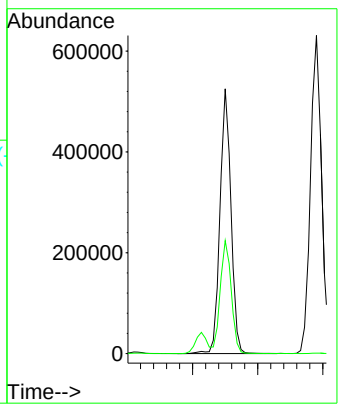
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

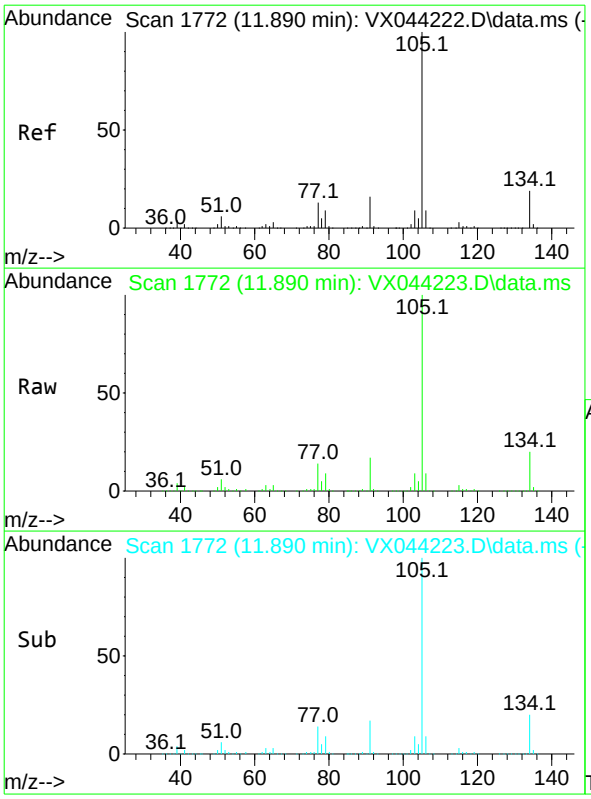



#84
1,2,4-Trimethylbenzene
Concen: 100.994 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 614999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.3 | 21.7 | 65.1 |

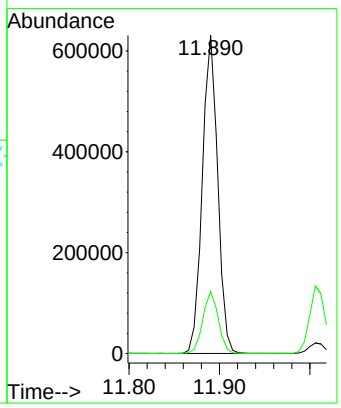





#85
sec-Butylbenzene
Concen: 99.889 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 743098

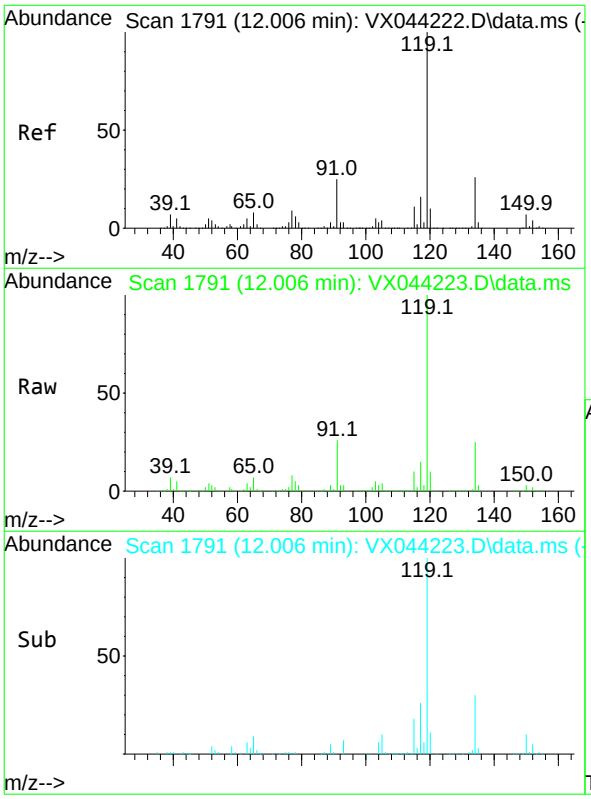
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

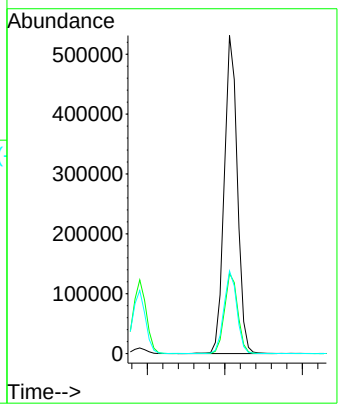
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

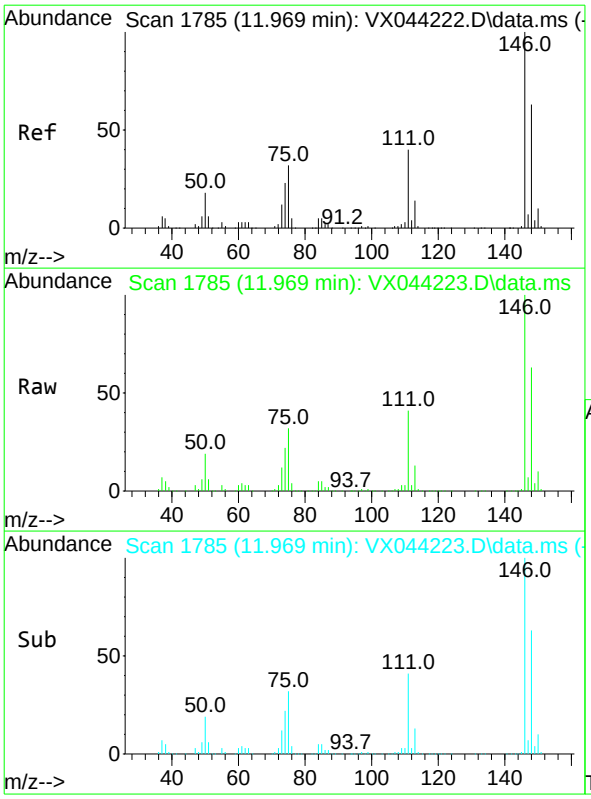



#86
p-Isopropyltoluene
Concen: 100.847 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:119 Resp: 624416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 12.8 | 38.4 |
| 91 | 25.6 | 13.0 | 39.0 |

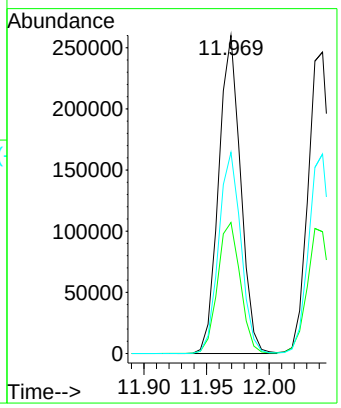





#87
1,3-Dichlorobenzene
Concen: 100.210 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:146 Resp: 317377

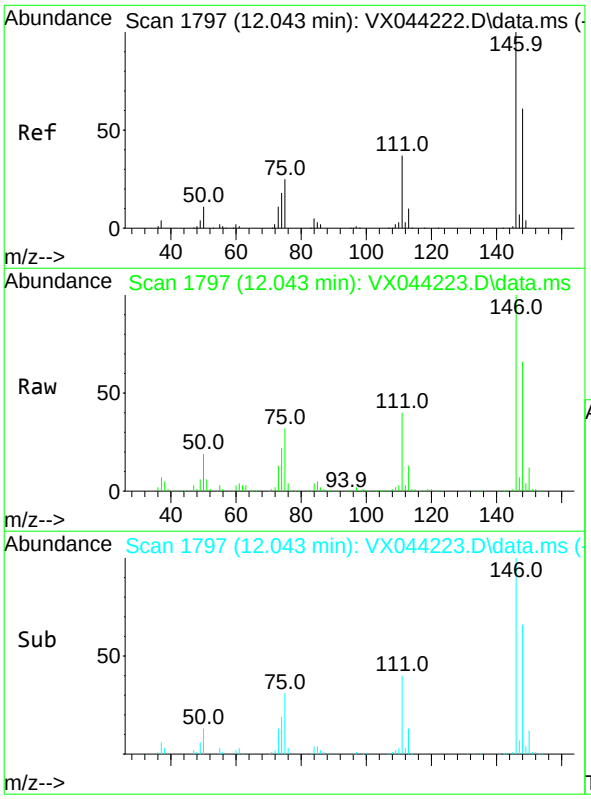
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 21.4 | 64.2 |
| 148 | 64.1 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

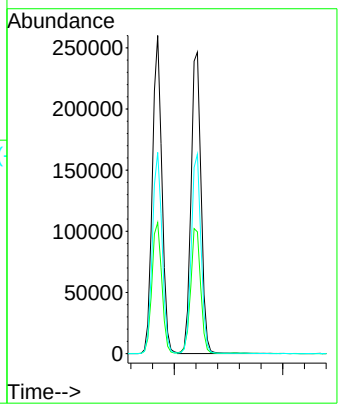
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

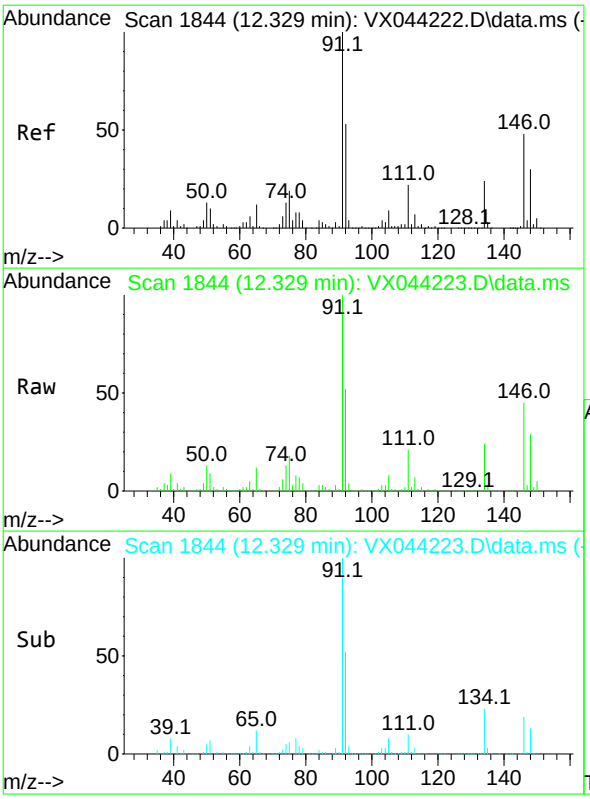



#88
1,4-Dichlorobenzene
Concen: 97.271 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:146 Resp: 316688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 21.0 | 63.0 |
| 148 | 63.7 | 32.3 | 96.8 |

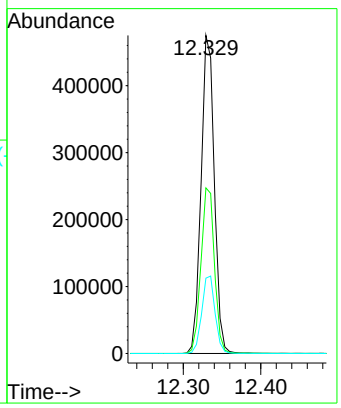





#89
n-Butylbenzene
Concen: 108.385 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 564303

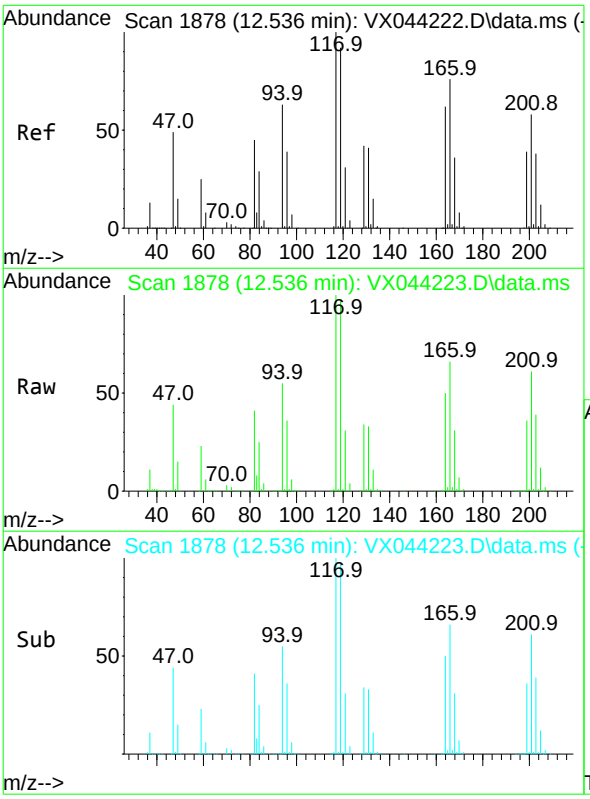
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.2 | 26.6 | 79.7 |
| 134 | 24.5 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

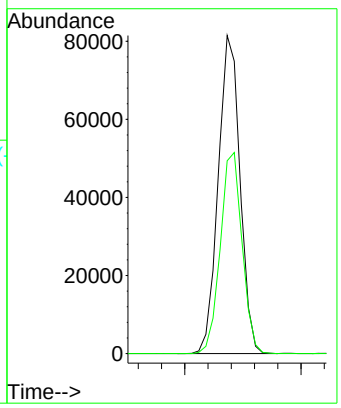
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

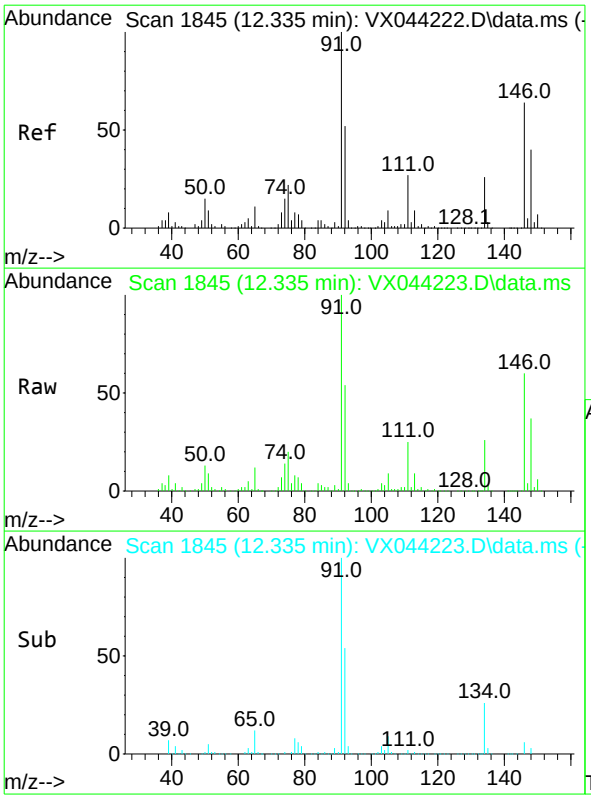



#90
Hexachloroethane
Concen: 117.218 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 105946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.2 | 31.4 | 94.2 |

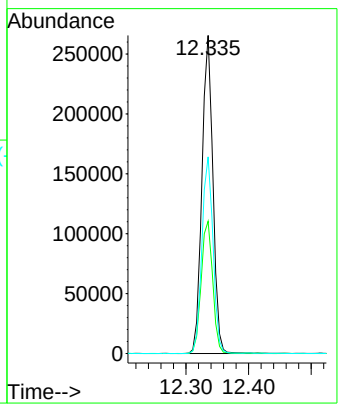





#91
1,2-Dichlorobenzene
Concen: 98.232 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:146 Resp: 323040

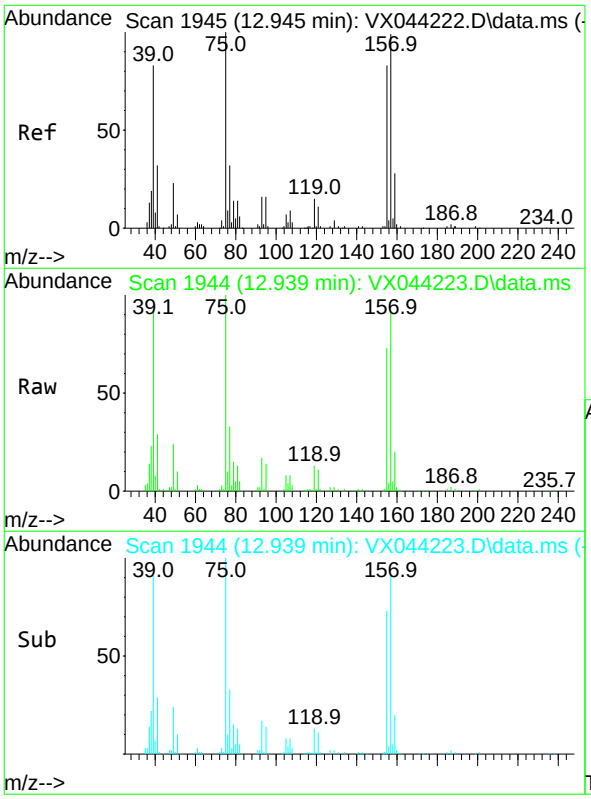
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.6 | 21.4 | 64.3 |
| 148 | 62.6 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

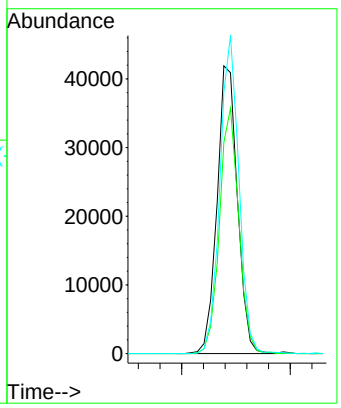
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

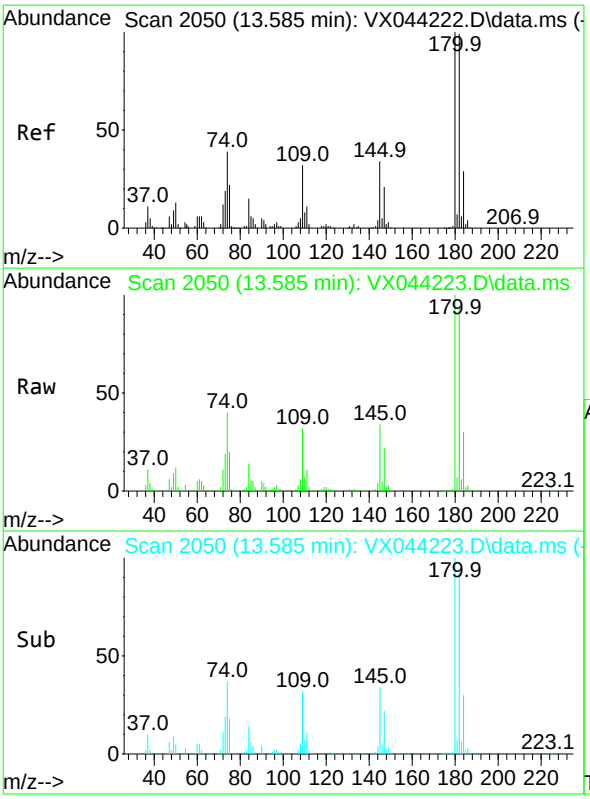



#92
1,2-Dibromo-3-Chloropropane
Concen: 108.279 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 54588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.6 | 38.1 | 114.3 |
| 157 | 102.8 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 109.766 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

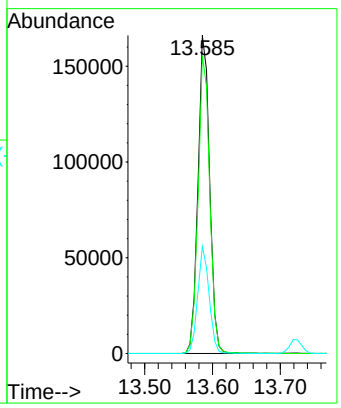
Tgt Ion:180 Resp: 197899

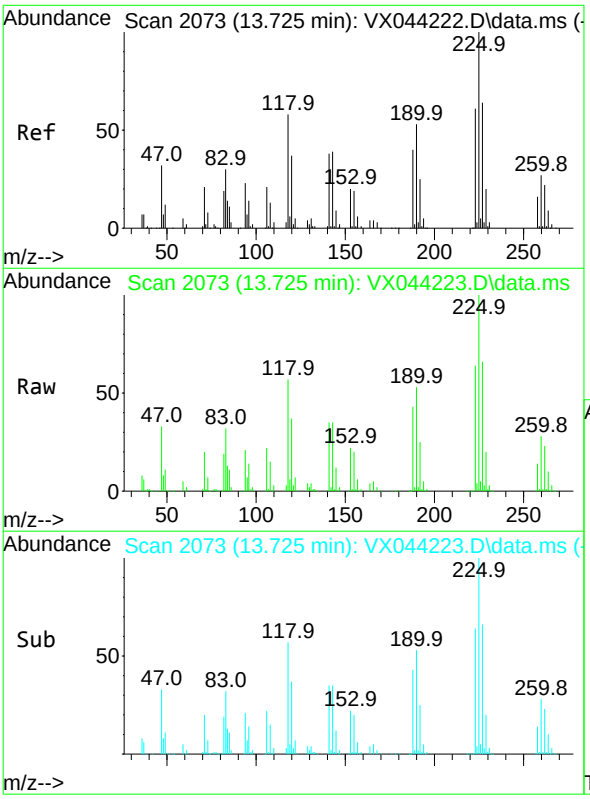
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.5 | 48.0 | 144.2 |
| 145 | 32.9 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

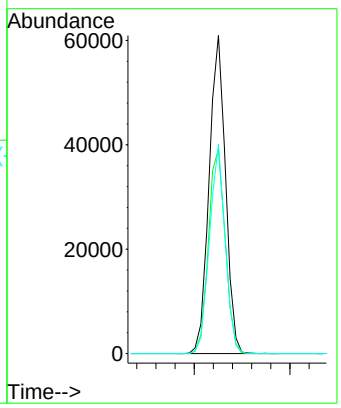


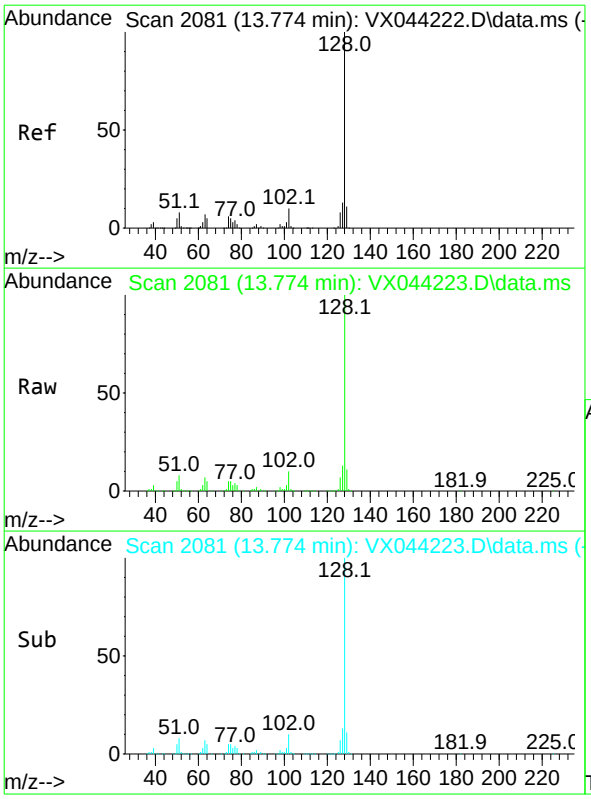




#94
Hexachlorobutadiene
Concen: 99.908 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:225 Resp: 72453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.5 | 30.8 | 92.4 |
| 227 | 62.9 | 32.1 | 96.3 |

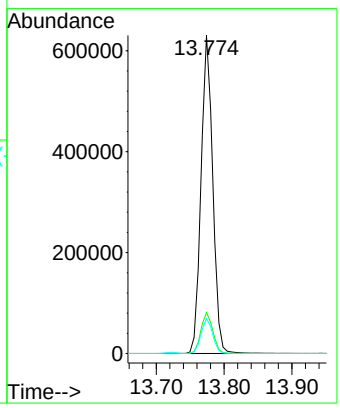





#95
Naphthalene
Concen: 107.308 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:128 Resp: 755181

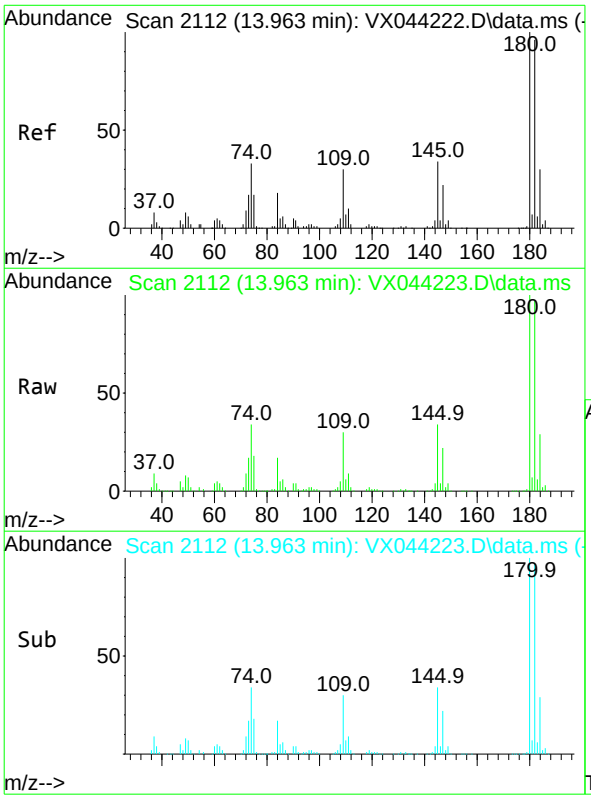
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.5 | 15.7 |
| 129 | 10.9 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

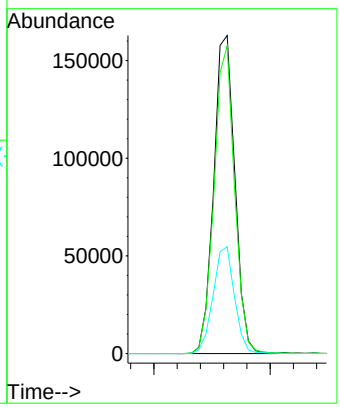
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024




#96
1,2,3-Trichlorobenzene
Concen: 107.754 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:180 Resp: 206053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 48.0 | 144.0 |
| 145 | 34.1 | 17.7 | 53.1 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 117957 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 218610 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190013 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 90898 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 314272 | 151.956 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 303.920%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 231937 | 153.188 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 306.380%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 788876 | 154.438 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 308.880%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 279706 | 156.709 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 313.420%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 268739 | 147.342 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 261734 | 150.062 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 260651 | 143.446 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 194089 | 150.562 | ug/l | 100 |
| 6) Chloroethane | 1.660 | 64 | 150640 | 133.137 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.861 | 101 | 500315 | 140.645 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 183845 | 151.407 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 219513 | 152.497 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 284184 | 149.795 | ug/l | 99 |
| 11) Tert butyl alcohol | 3.014 | 59 | 266830 | 916.880 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 211016 | 159.600 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 341487 | 809.350 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 346773 | 157.465 | ug/l | 99 |
| 15) Acrylonitrile | 3.068 | 53 | 649783 | 804.774 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 658120 | 780.537 | ug/l | 98 |
| 17) Carbon Disulfide | 2.495 | 76 | 481926 | 191.754 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 336516 | 154.792 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 806360 | 156.286 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 236412 | 149.282 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 221622 | 157.719 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 751292 | 151.500 | ug/l | 98 |
| 23) Vinyl Acetate | 3.727 | 43 | 3464902 | 859.417 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 431006 | 155.921 | ug/l | 100 |
| 25) 2-Butanone | 4.568 | 43 | 957709 | 798.973 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 367781 | 163.773 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 269708 | 151.131 | ug/l | 99 |
| 28) Bromochloromethane | 4.897 | 49 | 200978 | 148.269 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 602095 | 782.561 | ug/l | 99 |
| 30) Chloroform | 5.092 | 83 | 463606 | 149.274 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 332026 | 148.745 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 415253 | 161.073 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 290913 | 148.642 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 376757 | 155.731 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 346795 | 164.587 | ug/l | 98 |
| 39) Methylcyclohexane | 7.373 | 83 | 368542 | 157.516 | ug/l | 99 |
| 40) Benzene | 6.031 | 78 | 887413 | 149.340 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 199851 | 155.569 ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 369874 | 151.105 ug/l | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 617107 | 163.200 ug/l | 99 |
| 44) Trichloroethene | 7.123 | 130 | 224164 | 151.275 ug/l | 100 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 224224 | 147.697 ug/l | 96 |
| 46) Dibromomethane | 7.580 | 93 | 184590 | 156.728 ug/l | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 352904 | 173.496 ug/l | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 292890 | 159.567 ug/l | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 101048m | 3221.248 ug/l | |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 1907523 | 784.573 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 557102 | 149.294 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 366275 | 150.167 ug/l | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 382226 | 172.581 ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 222665 | 150.202 ug/l | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 389165 | 166.289 ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 387086 | 150.014 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 970949 | 822.575 ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 1436300 | 816.161 ug/l | 99 |
| 60) Dibromochloromethane | 9.525 | 129 | 261253 | 150.105 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 242451 | 160.674 ug/l | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 186443 | 147.836 ug/l | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 608404 | 149.428 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 218515 | 166.991 ug/l | 100 |
| 67) Ethyl Benzene | 10.195 | 91 | 1068736 | 151.917 ug/l | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 806058 | 312.254 ug/l | 98 |
| 69) o-Xylene | 10.640 | 106 | 397084 | 152.030 ug/l | 98 |
| 70) Styrene | 10.652 | 104 | 670887 | 160.228 ug/l | 98 |
| 71) Bromoform | 10.799 | 173 | 169450 | 150.034 ug/l # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 1021749 | 146.832 ug/l | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 536496 | 166.823 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 352591 | 145.883 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 287602m | 139.434 ug/l | |
| 77) Bromobenzene | 11.201 | 156 | 243975 | 144.584 ug/l | 100 |
| 78) n-propylbenzene | 11.305 | 91 | 1166255 | 151.637 ug/l | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 700673 | 140.866 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 853042 | 147.824 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 117263 | 152.670 ug/l | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 825278 | 149.831 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 846864 | 148.495 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 846771 | 149.414 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 1034419 | 149.409 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 875562 | 151.944 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 443826 | 150.575 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 442556 | 146.058 ug/l | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 808399 | 166.836 ug/l | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 154726 | 183.942 ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 447931 | 146.357 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 83565 | 178.106 ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 288519 | 171.952 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 103961 | 154.036 ug/l | 98 |
| 95) Naphthalene | 13.774 | 128 | 1094997 | 167.187 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 293760 | 165.064 ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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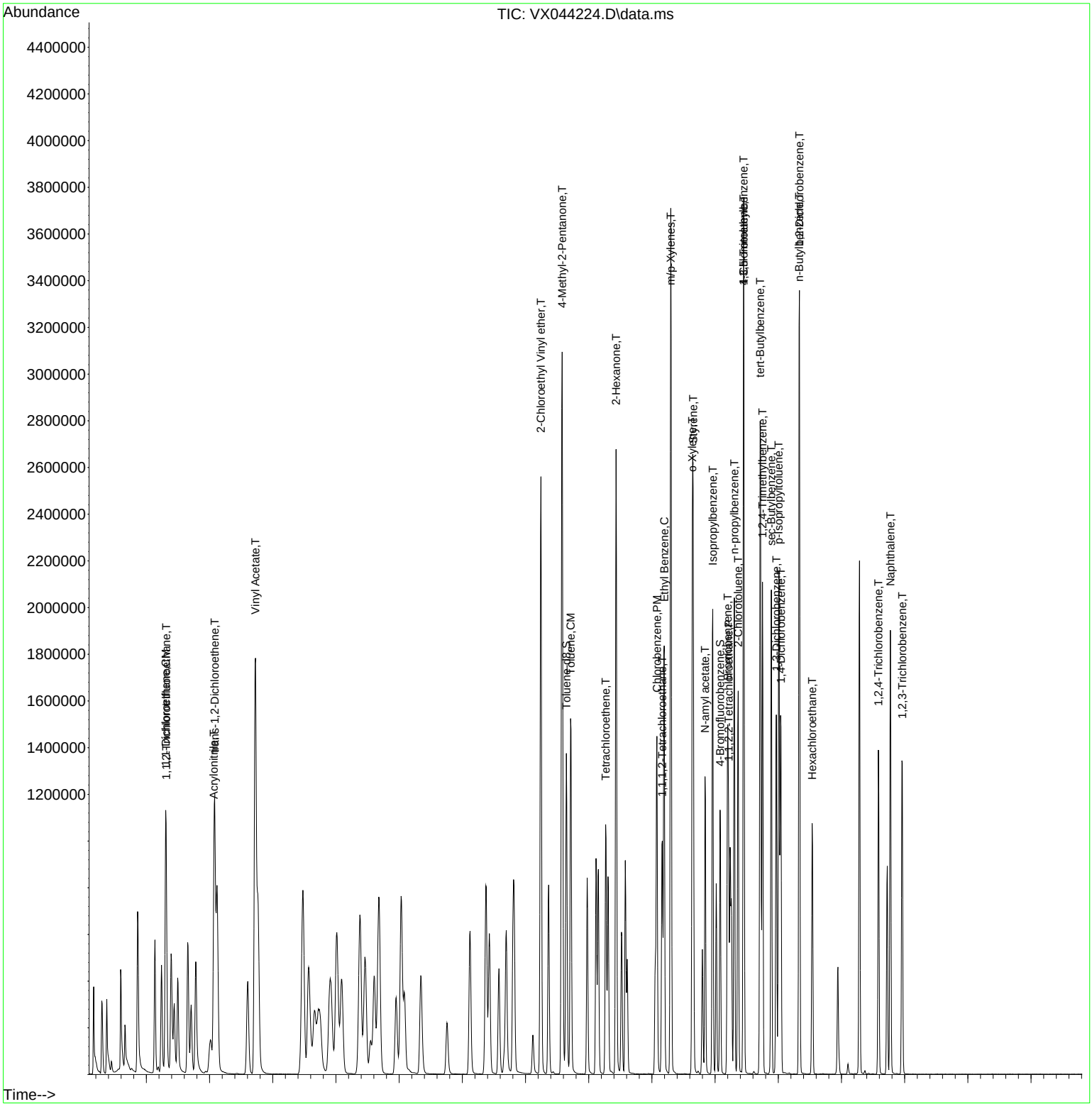
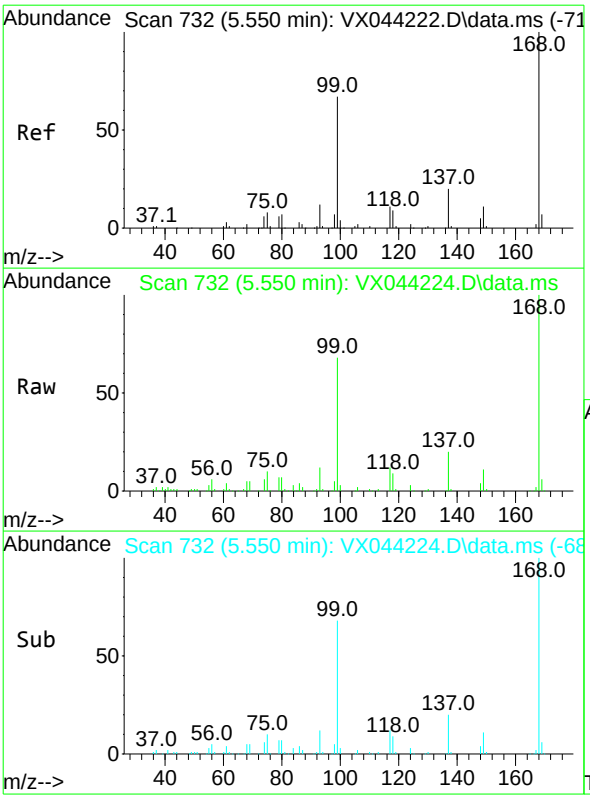





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

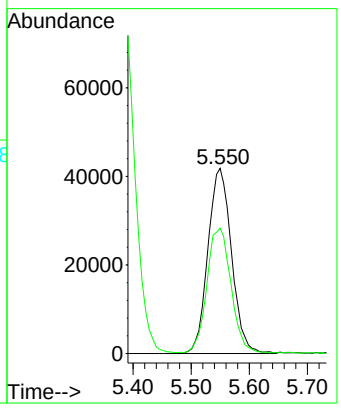
Tgt Ion:168 Resp: 117957

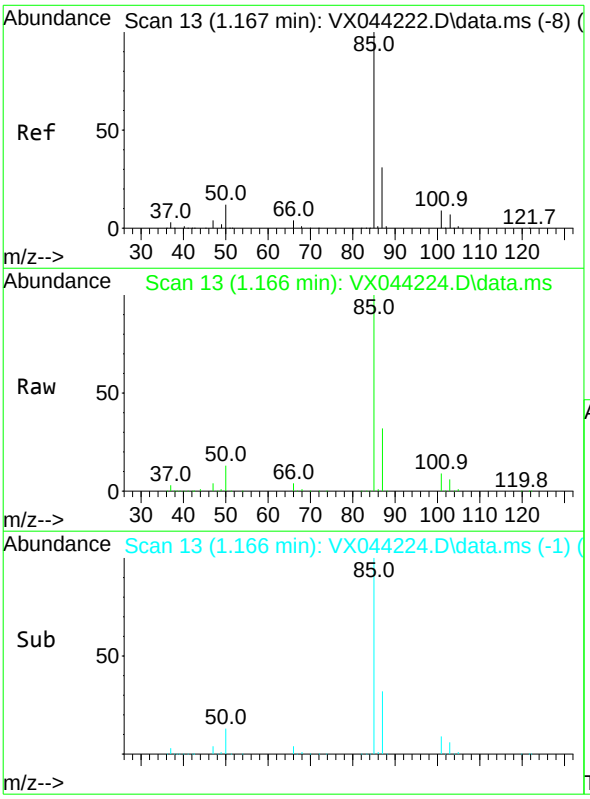
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.2 | 53.4 | 80.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

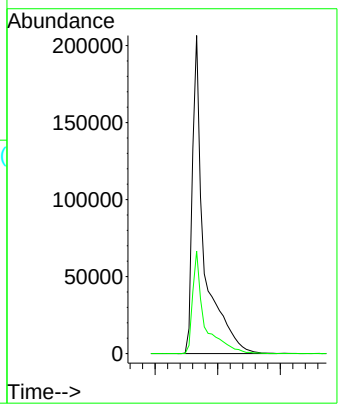


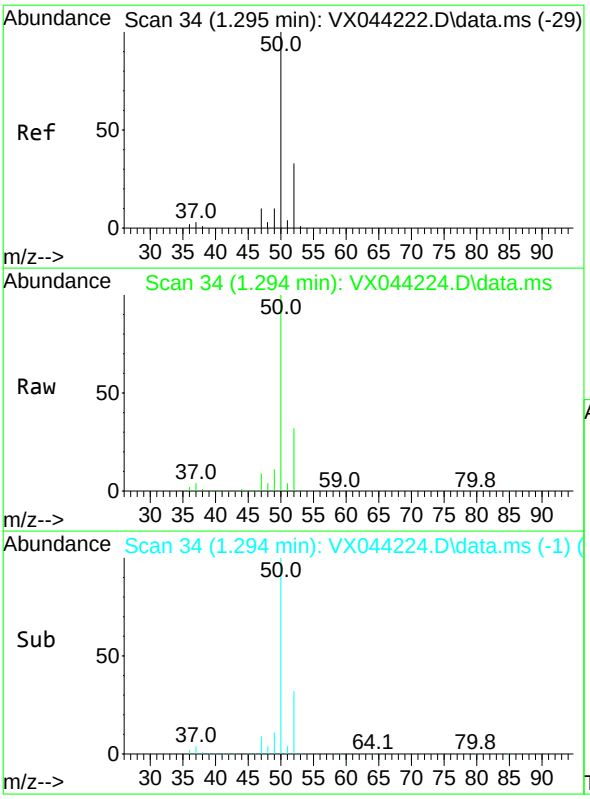




#2
Dichlorodifluoromethane
Concen: 147.342 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 85 Resp: 268739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 15.4 | 46.4 |

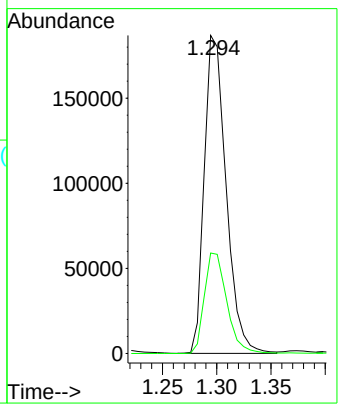





#3
Chloromethane
Concen: 150.062 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 50 Resp: 261734

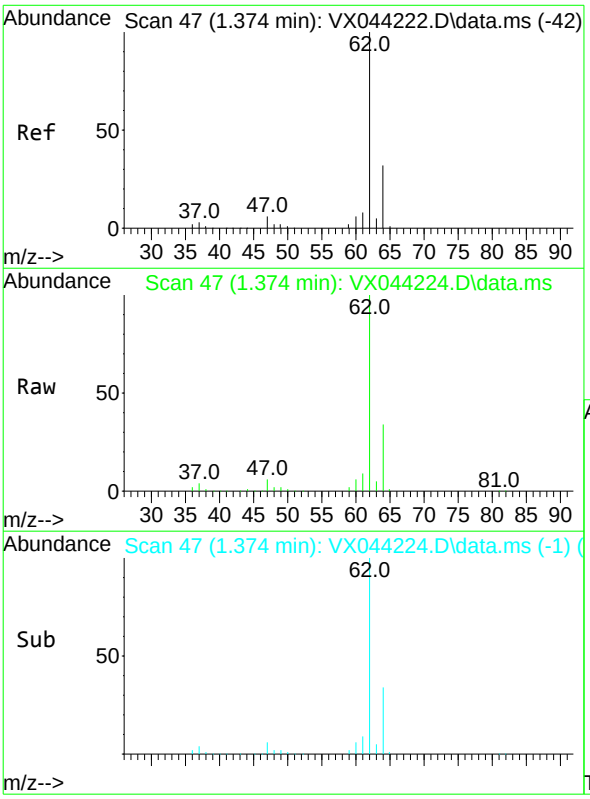
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.6 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

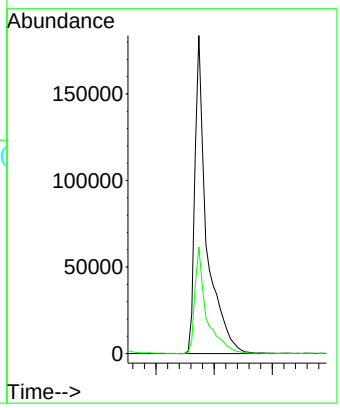
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

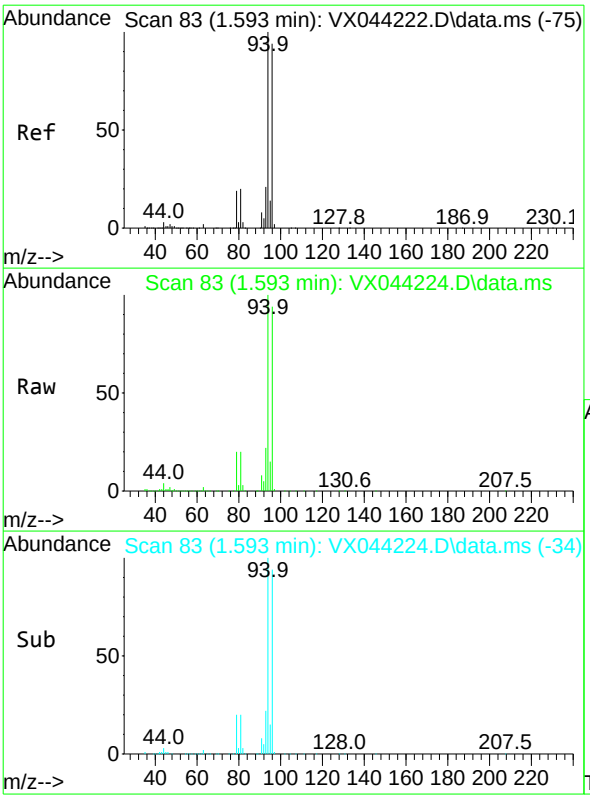



#4
Vinyl Chloride
Concen: 143.446 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 62 Resp: 260651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 25.7 | 38.5 |

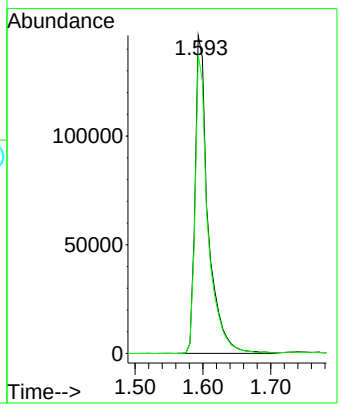





#5
Bromomethane
Concen: 150.562 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 94 Resp: 194089

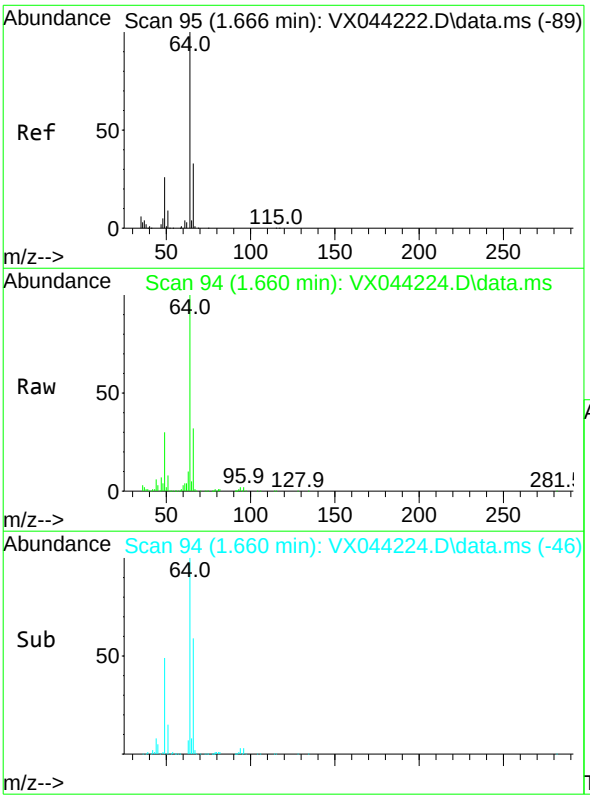
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.0 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

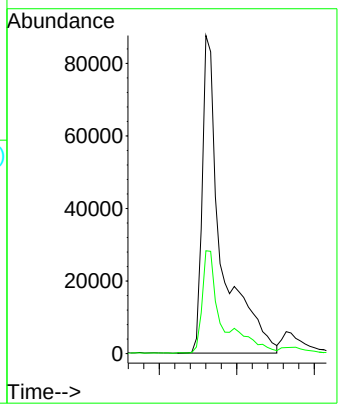
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

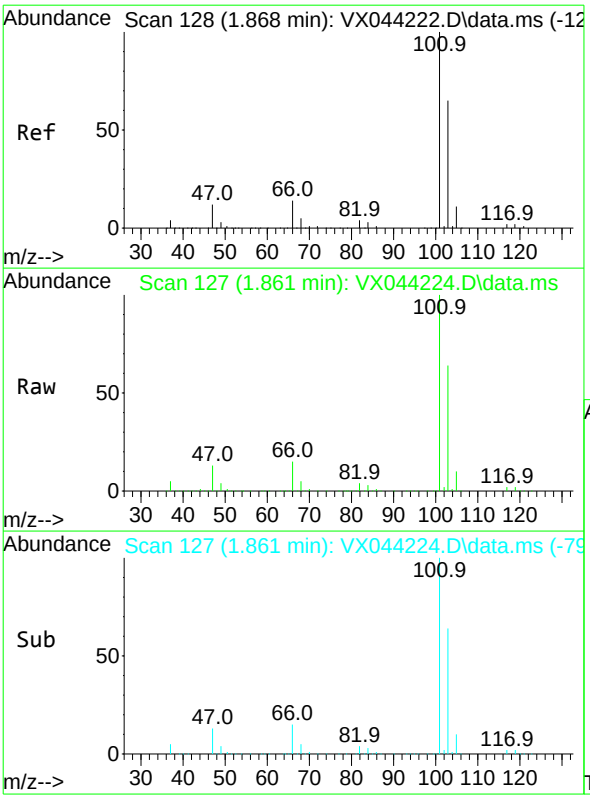



#6
Chloroethane
Concen: 133.137 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 64 Resp: 150640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.1 | 26.6 | 39.8 |

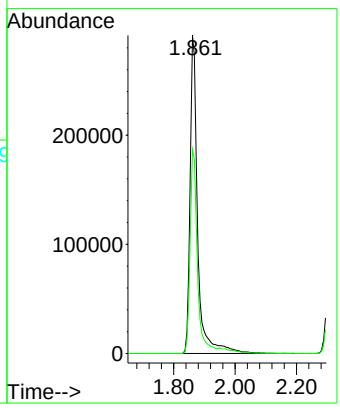





#7
Trichlorofluoromethane
Concen: 140.645 ug/l
RT: 1.861 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:101 Resp: 500315

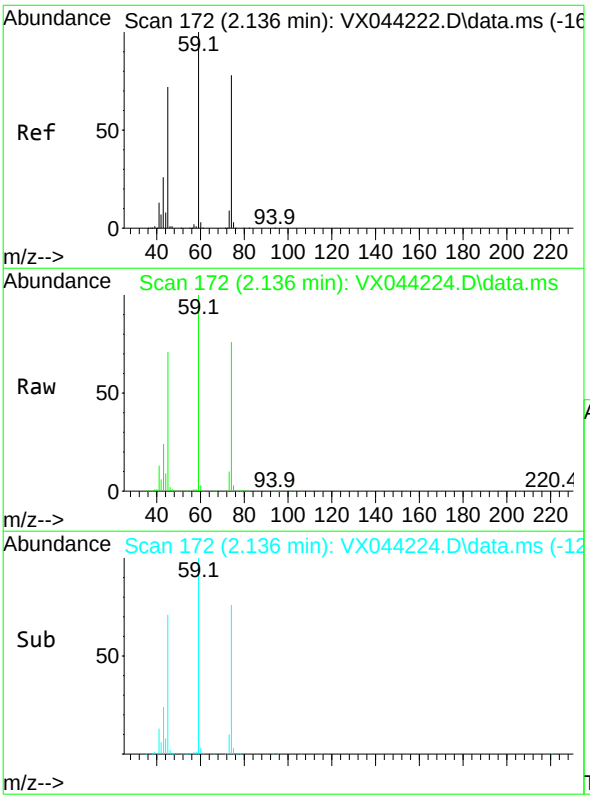
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

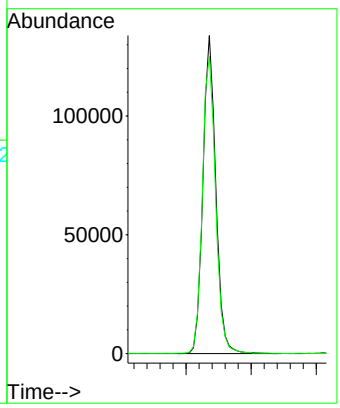
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

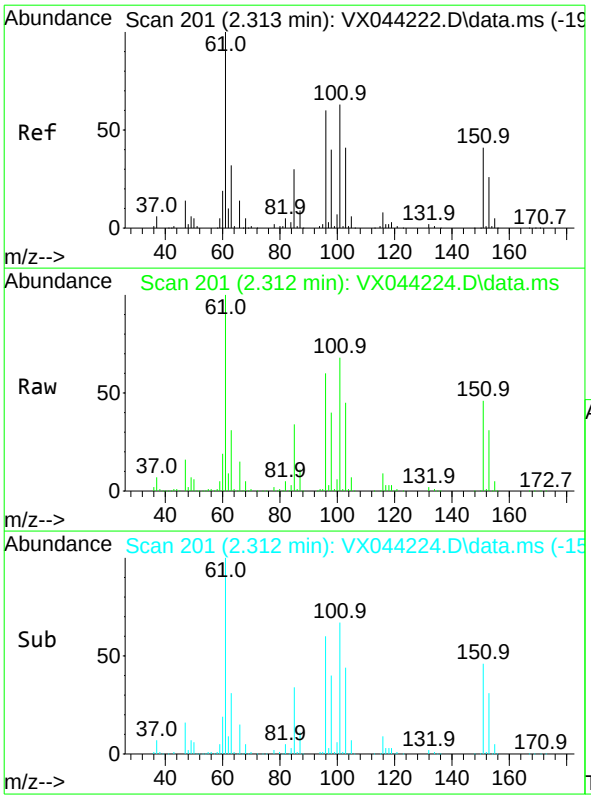



#8
Diethyl Ether
Concen: 151.407 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 74 Resp: 183845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.6 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 152.497 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

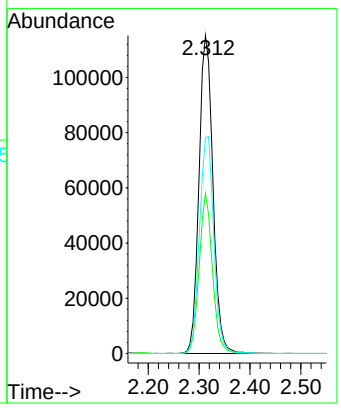
Tgt Ion:101 Resp: 219513

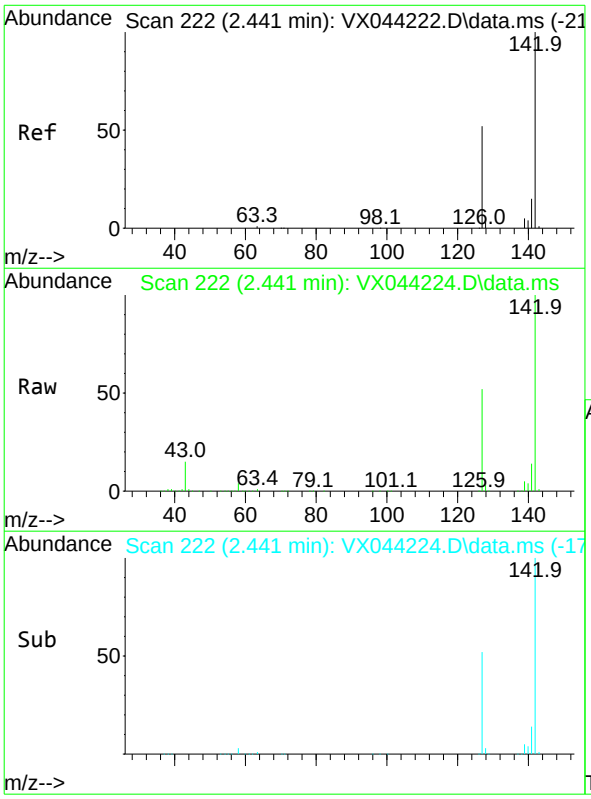
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.8 | 38.5 | 57.7 |
| 151 | 70.5 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

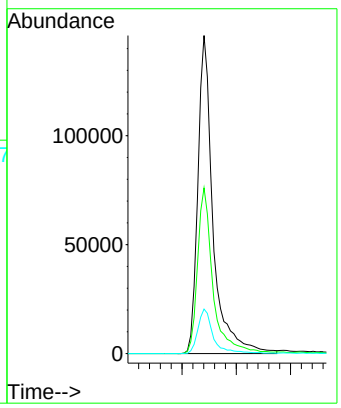


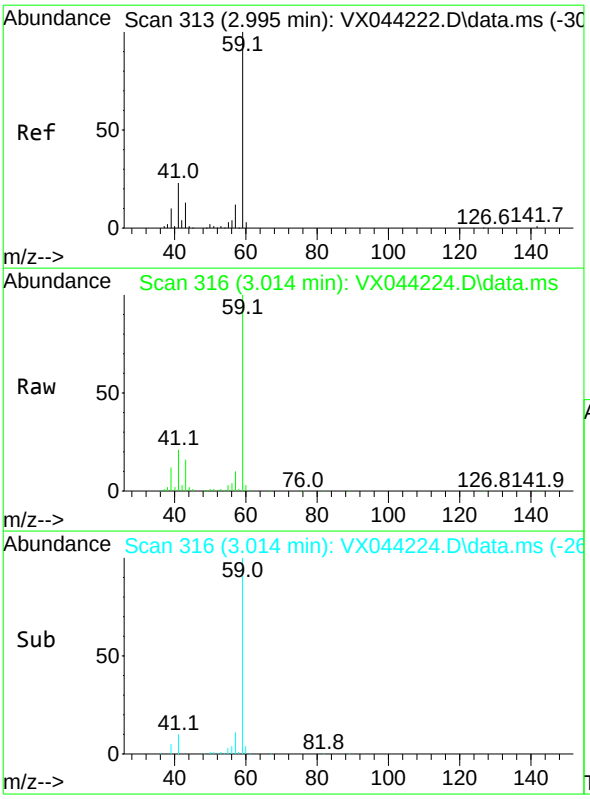




#10
Methyl Iodide
Concen: 149.795 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:142 Resp: 284184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.8 | 41.8 | 62.8 |
| 141 | 14.2 | 11.5 | 17.3 |

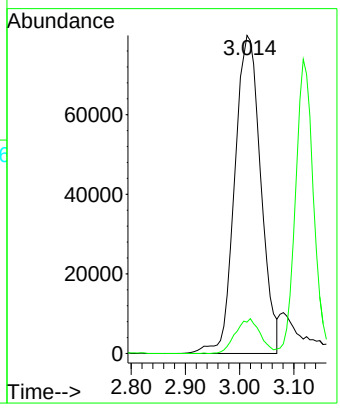





#11
Tert butyl alcohol
Concen: 916.880 ug/l
RT: 3.014 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 59 Resp: 266830

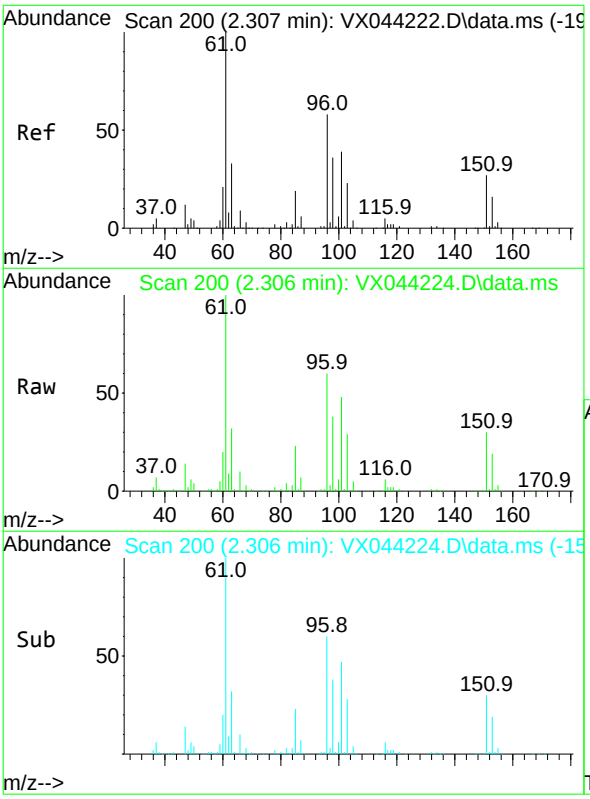
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

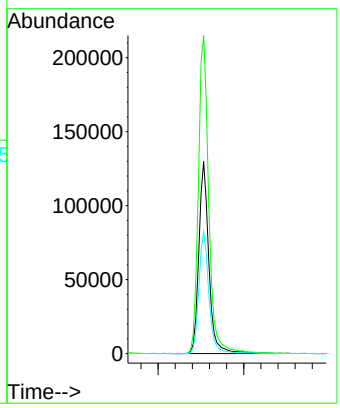
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

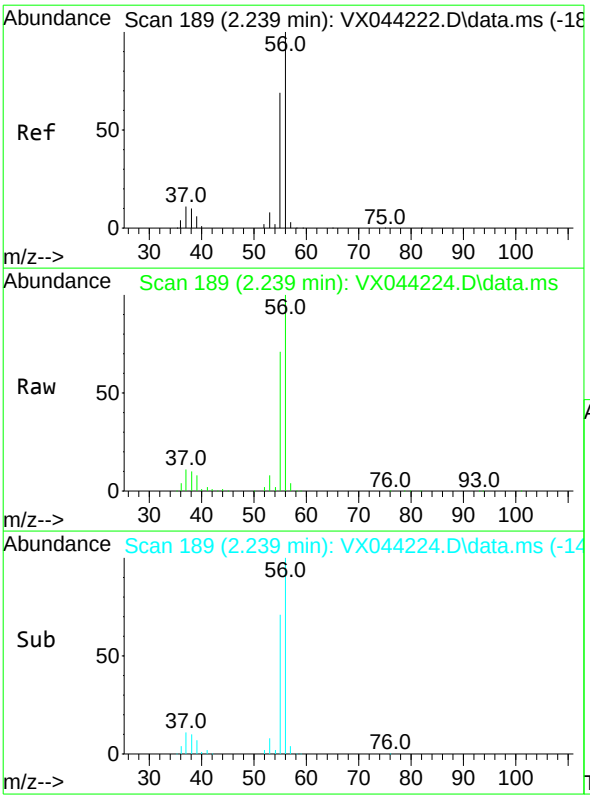



#12
1,1-Dichloroethene
Concen: 159.600 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 96 Resp: 211016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.6 | 138.0 | 207.0 |
| 98 | 63.5 | 50.0 | 75.0 |

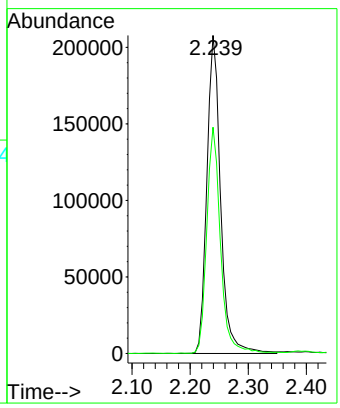





#13
Acrolein
Concen: 809.350 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 56 Resp: 341487

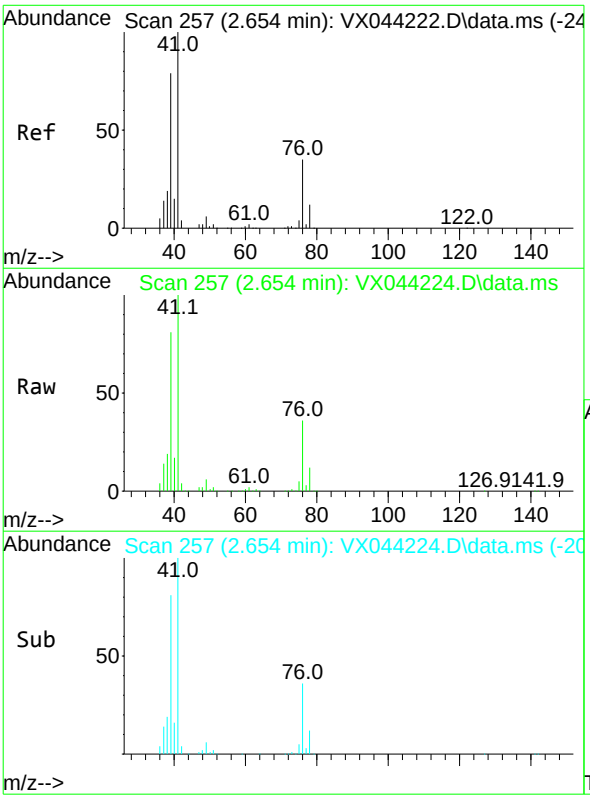
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.8 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

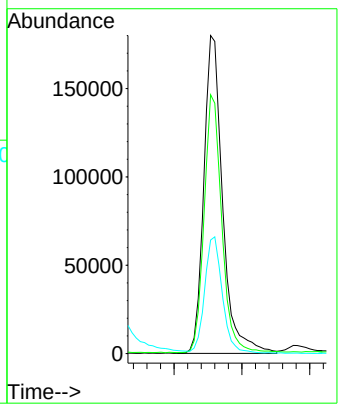
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

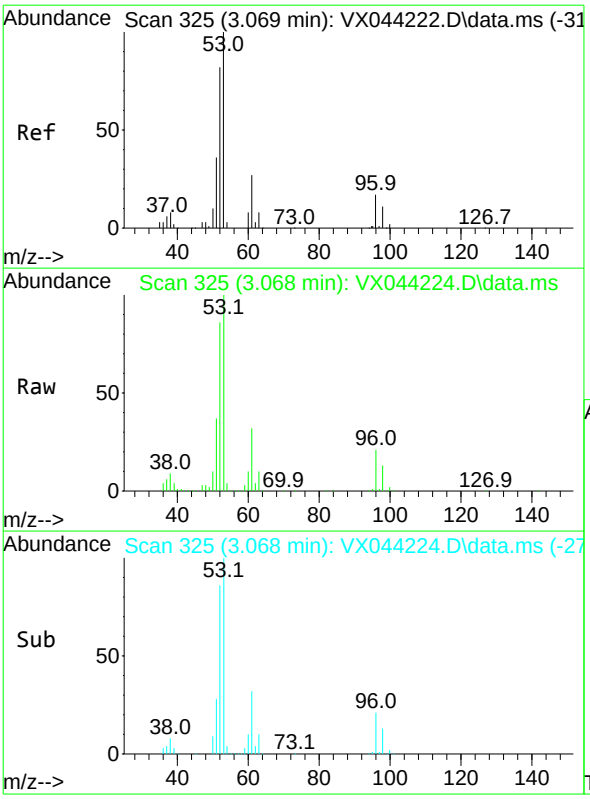



#14
Allyl chloride
Concen: 157.465 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 346773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.1 | 61.9 | 92.9 |
| 76 | 34.5 | 27.4 | 41.2 |

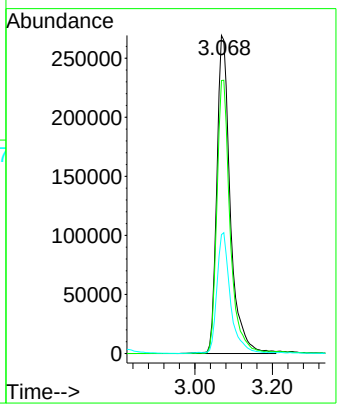





#15
Acrylonitrile
Concen: 804.774 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 53 Resp: 649783

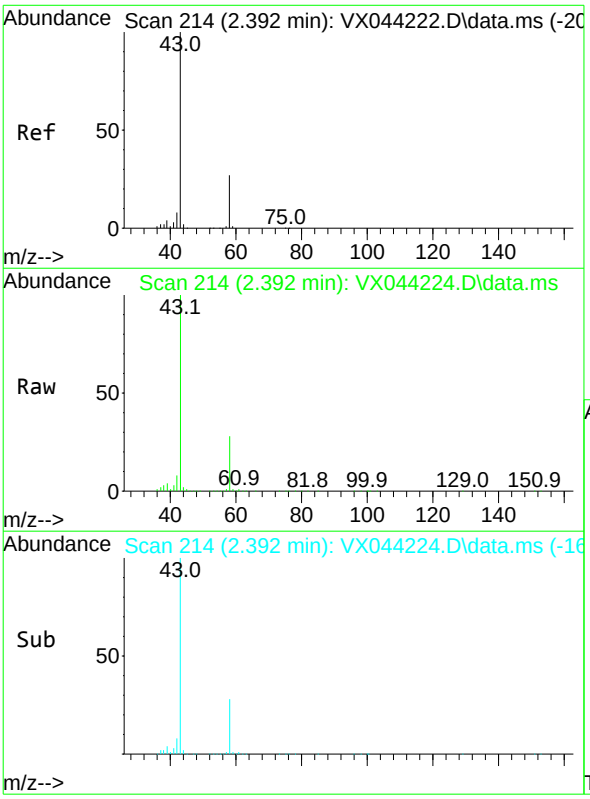
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 67.4 | 101.0 |
| 51 | 37.0 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

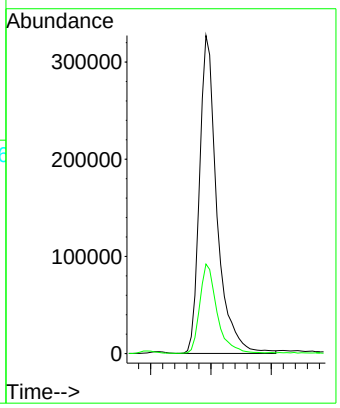
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

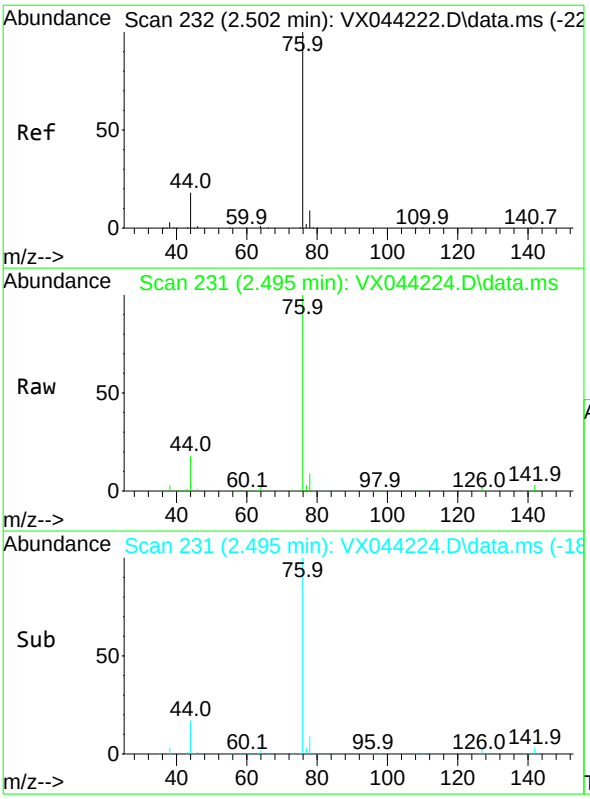



#16
Acetone
Concen: 780.537 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 658120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.1 | 21.6 | 32.4 |

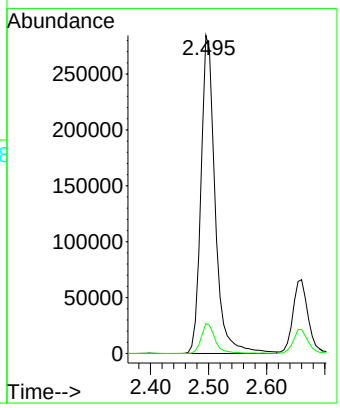





#17
Carbon Disulfide
Concen: 191.754 ug/l
RT: 2.495 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 76 Resp: 481926

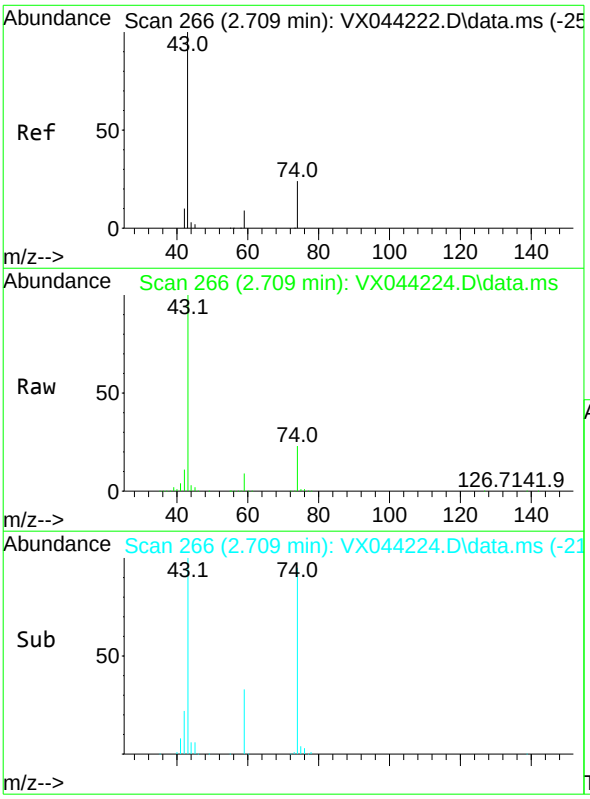
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

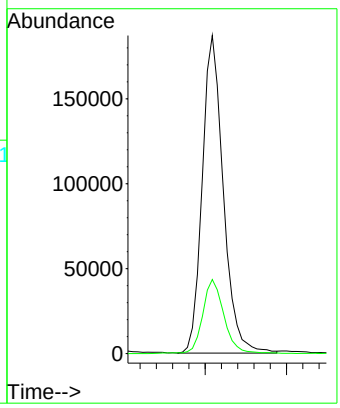
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

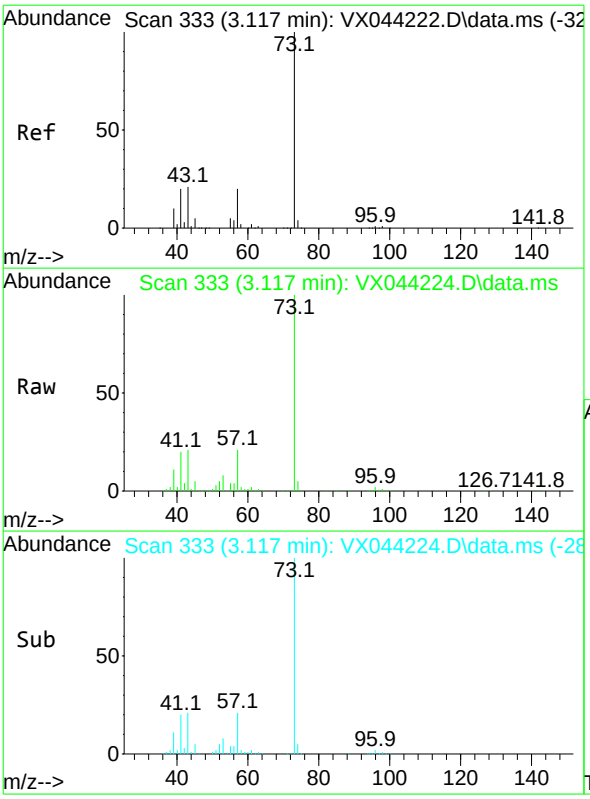



#18
Methyl Acetate
Concen: 154.792 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 336516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 17.7 | 26.5 |

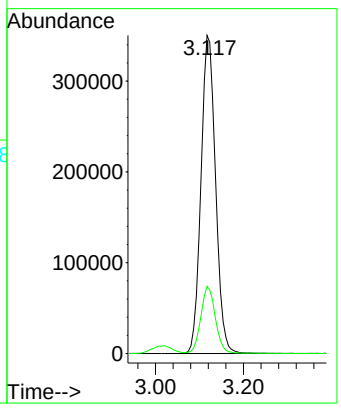





#19
Methyl tert-butyl Ether
Concen: 156.286 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 73 Resp: 806360

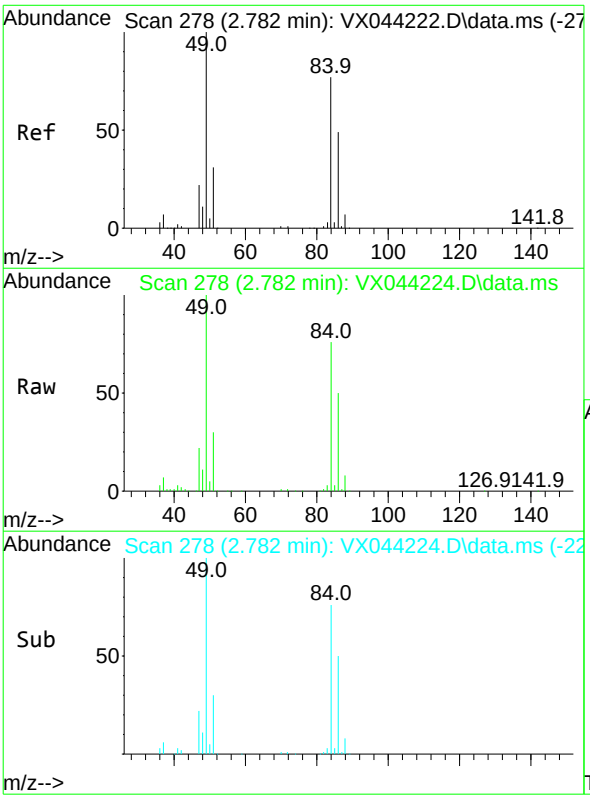
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

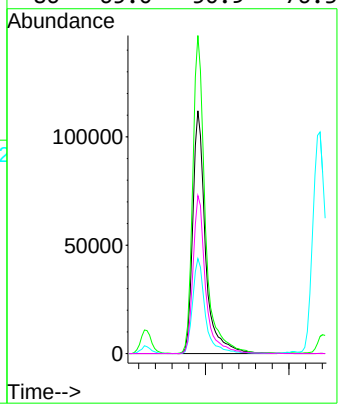
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

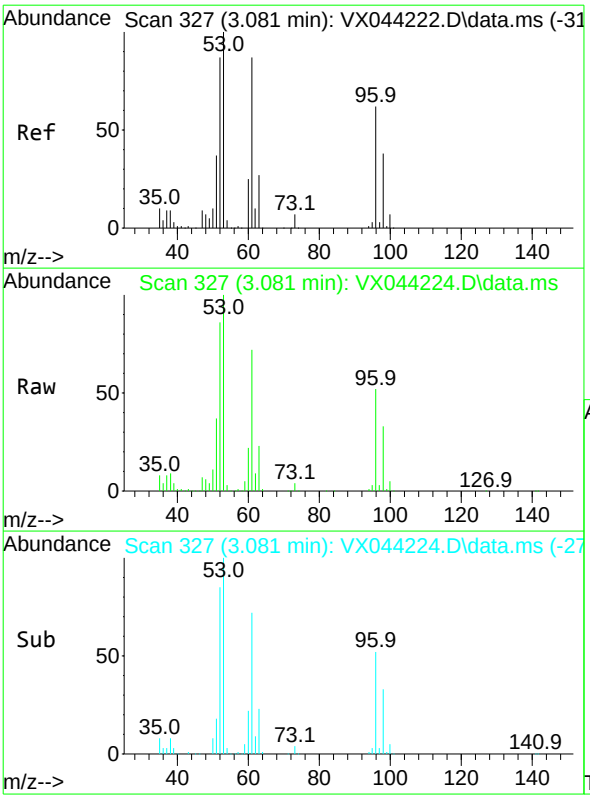



#20
Methylene Chloride
Concen: 149.282 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 84 Resp: 236412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.9 | 104.2 | 156.4 |
| 51 | 39.1 | 32.2 | 48.4 |
| 86 | 65.0 | 50.9 | 76.3 |

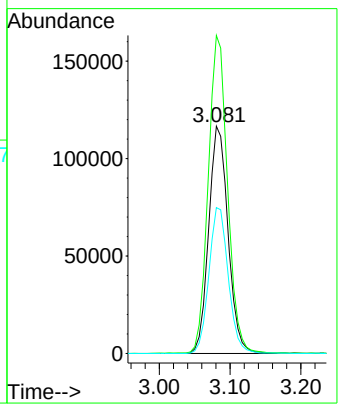





#21
trans-1,2-Dichloroethene
Concen: 157.719 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 96 Resp: 221622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.7 | 112.0 | 168.0 |
| 98 | 64.2 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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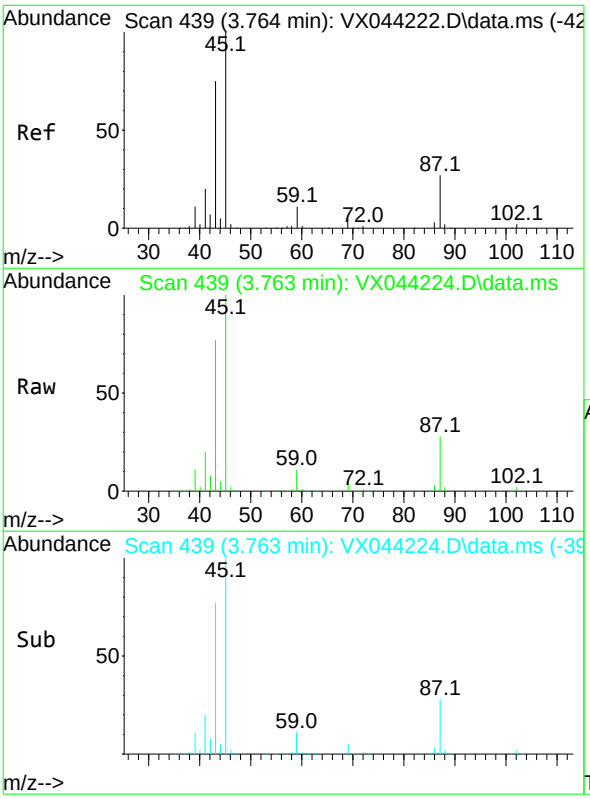
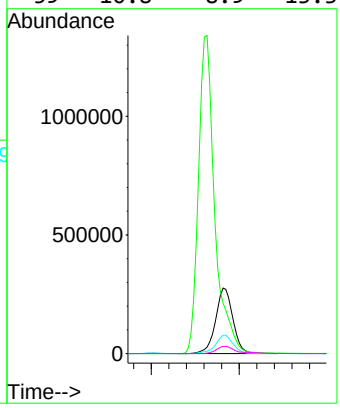
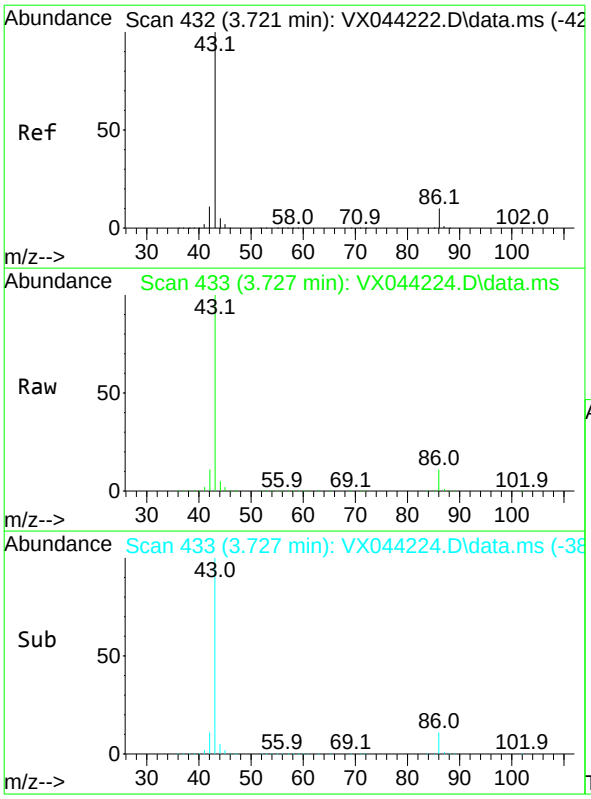



#22
Diisopropyl ether
Concen: 151.500 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 45 Resp: 751292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 76.6 | 60.2 | 90.2 |
| 87 | 28.0 | 21.2 | 31.8 |
| 59 | 10.8 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 859.417 ug/l
RT: 3.727 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 3464902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.7 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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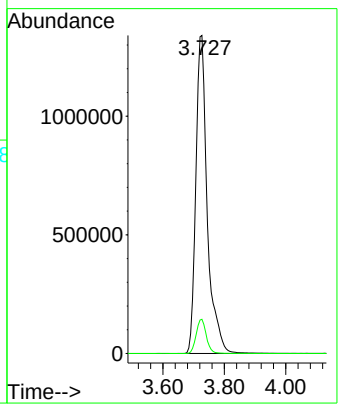
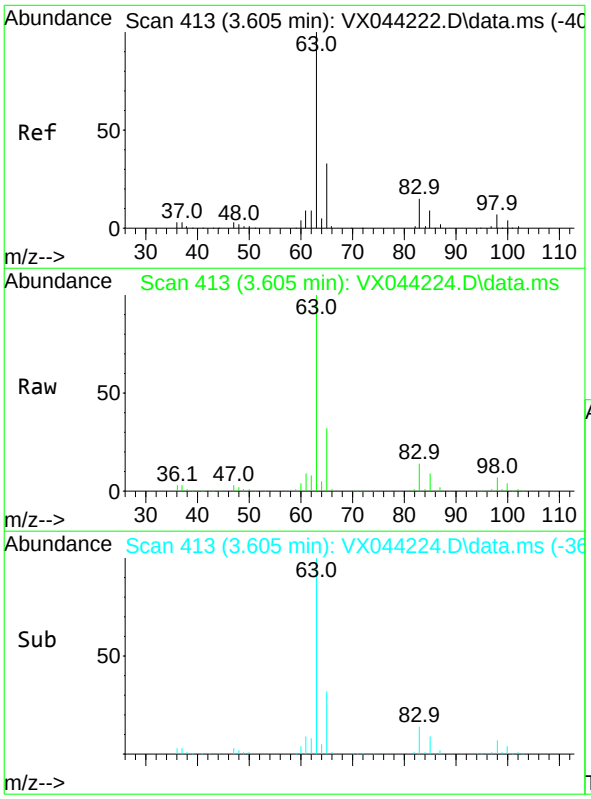
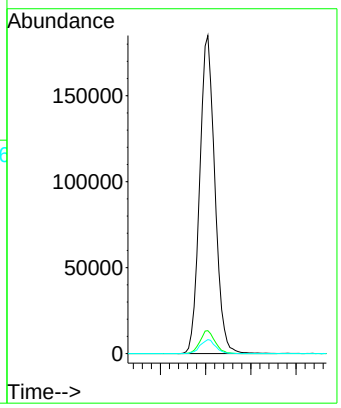


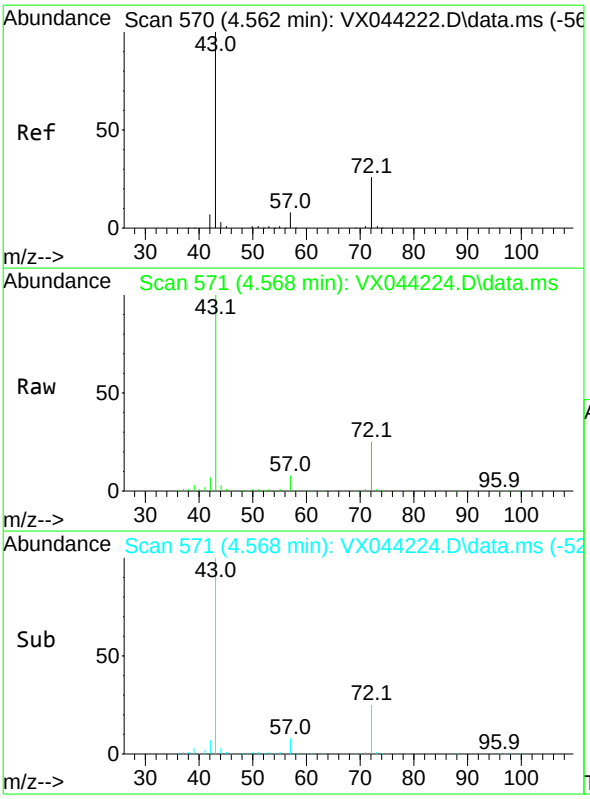




#24
1,1-Dichloroethane
Concen: 155.921 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 431006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.6 | 10.8 |
| 100 | 4.4 | 2.1 | 6.3 |

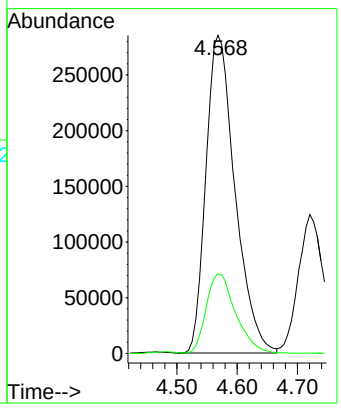





#25
2-Butanone
Concen: 798.973 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 957709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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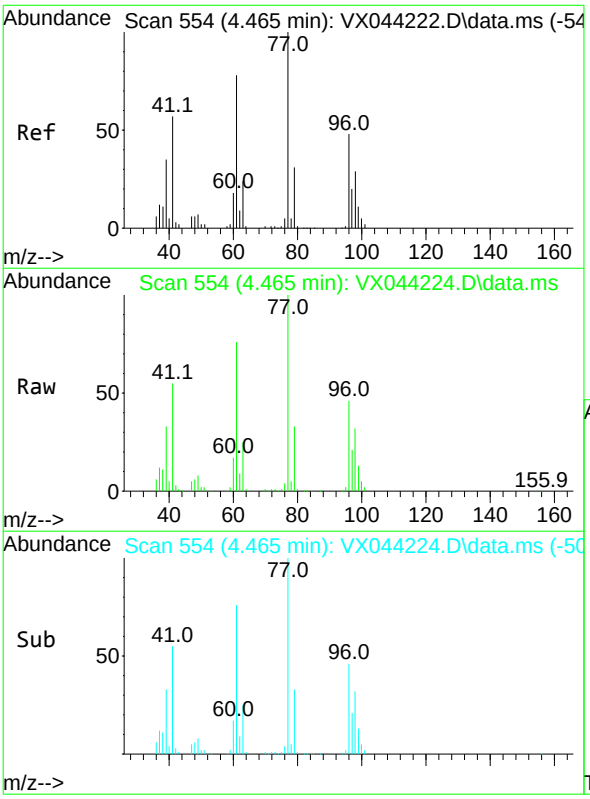
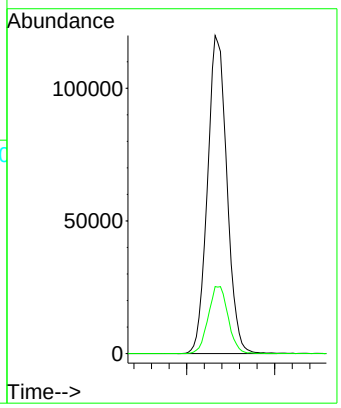
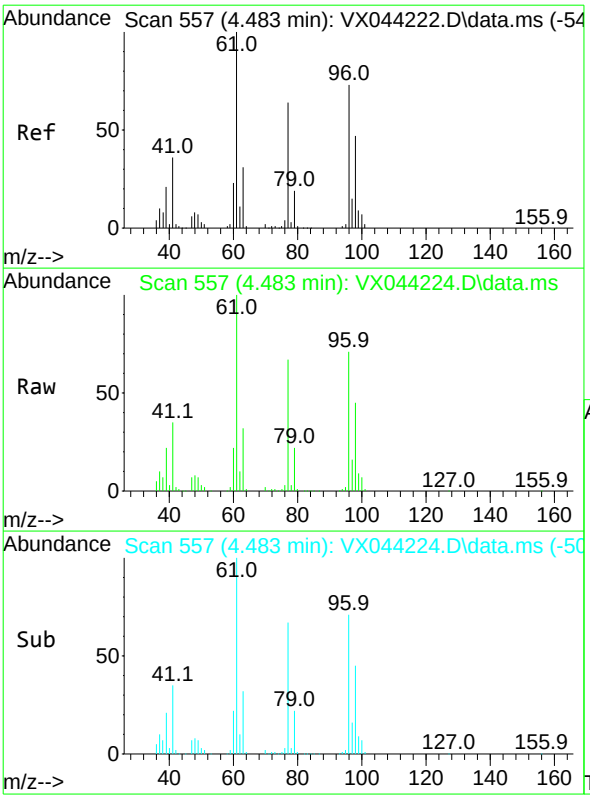



#26
2,2-Dichloropropane
Concen: 163.773 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 77 Resp: 367781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.6 | 10.7 | 32.1 |

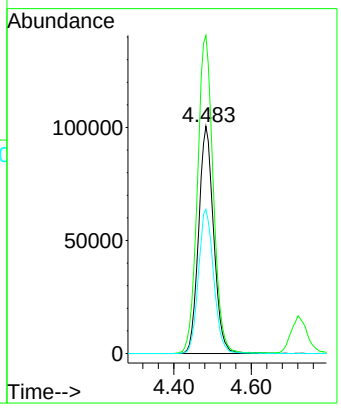





#27
cis-1,2-Dichloroethene
Concen: 151.131 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 96 Resp: 269708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.2 | 0.0 | 299.0 |
| 98 | 64.7 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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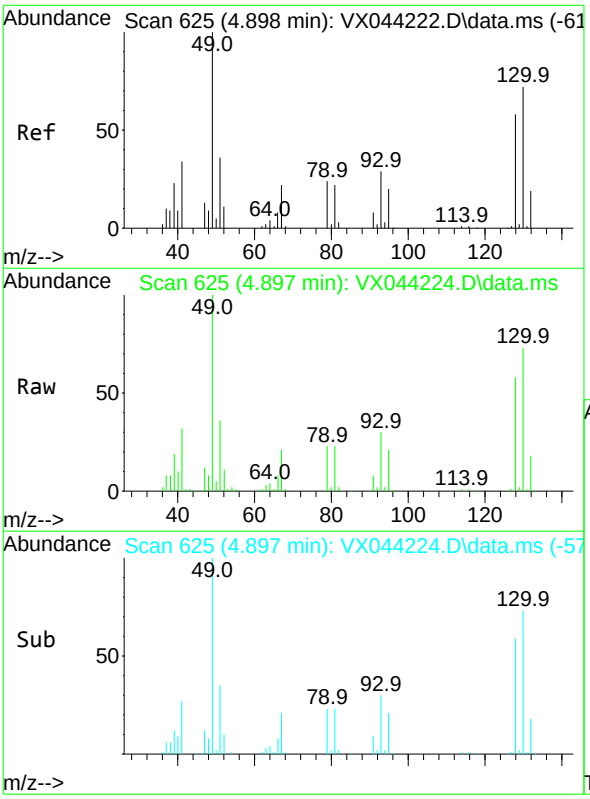
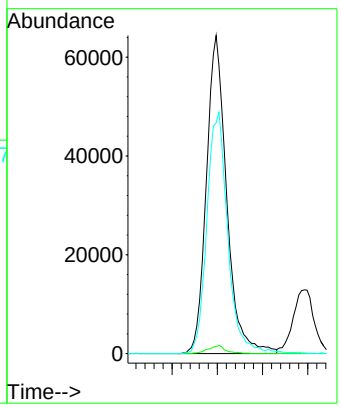
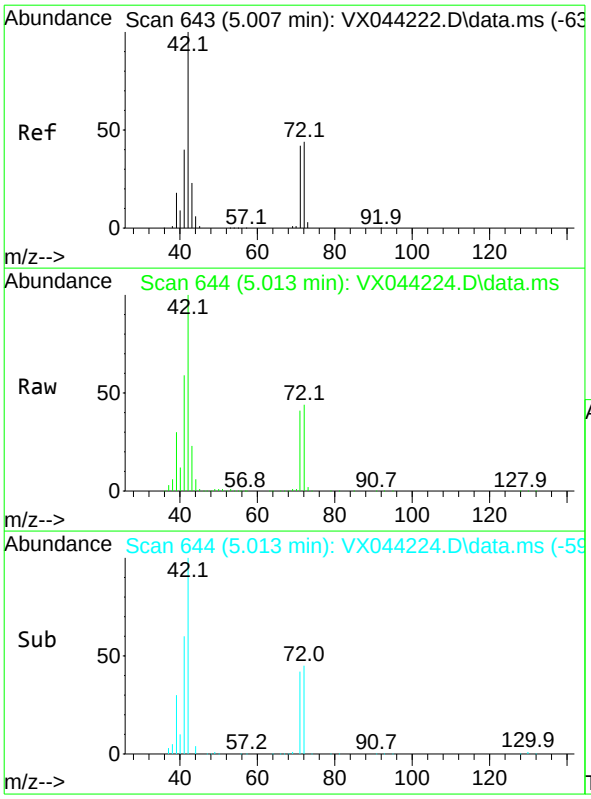



#28
Bromochloromethane
Concen: 148.269 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 49 Resp: 200978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.2 |
| 130 | 77.2 | 62.1 | 93.1 |

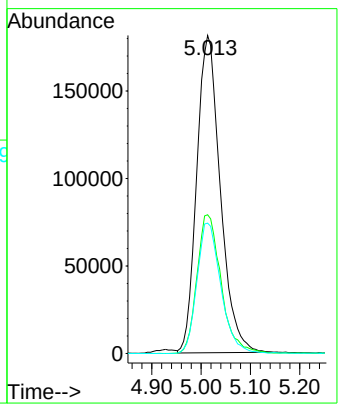





#29
Tetrahydrofuran
Concen: 782.561 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 42 Resp: 602095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.8 | 37.0 | 55.6 |
| 71 | 41.7 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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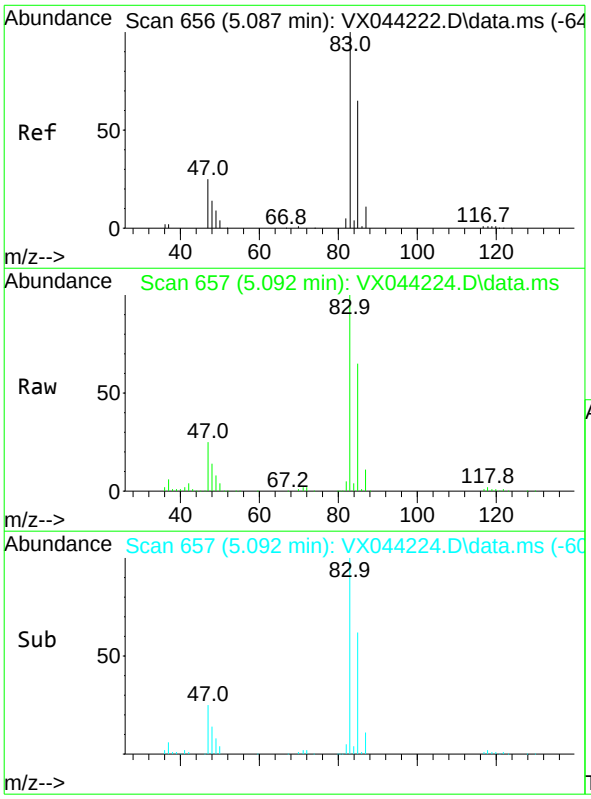
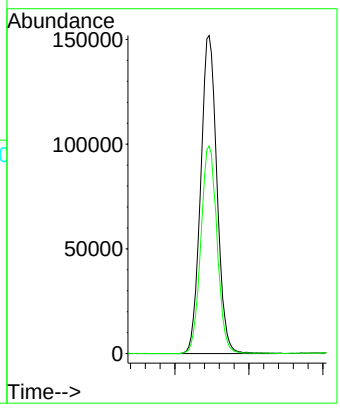
Supervised By :Mahesh Dadoda 12/12/2024

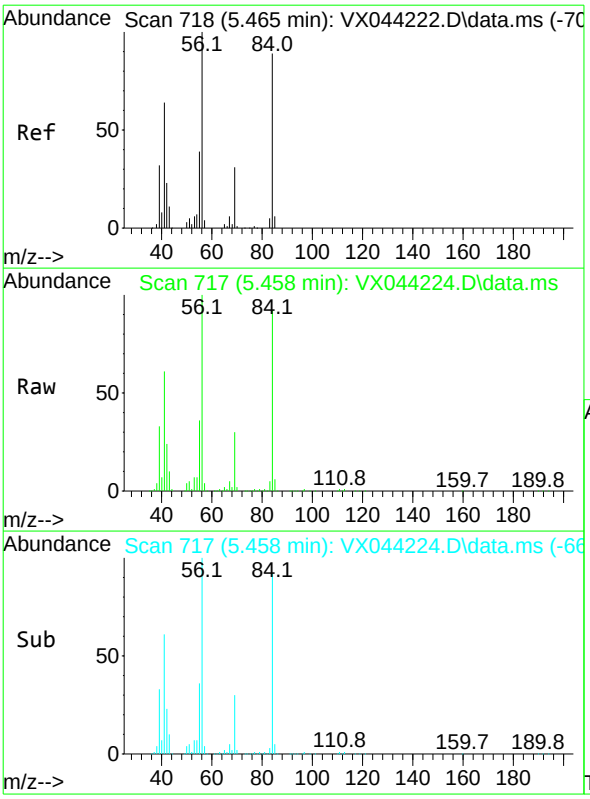



#30
Chloroform
Concen: 149.274 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 83 Resp: 463606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 148.745 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 56 Resp: 332026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.8 | 24.7 | 37.1 |
| 84 | 90.1 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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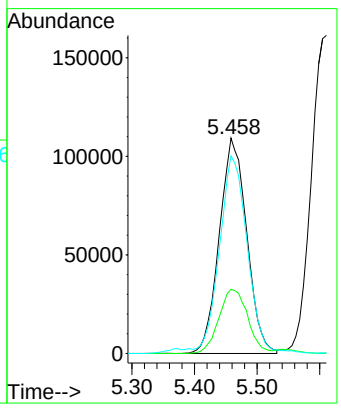
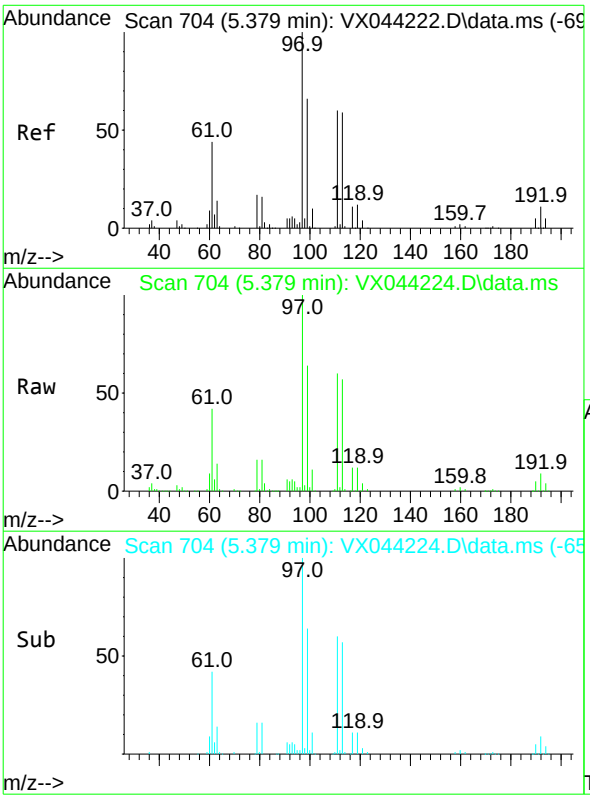
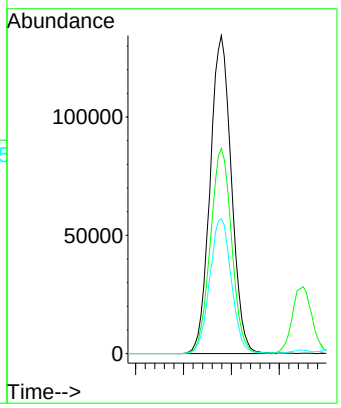


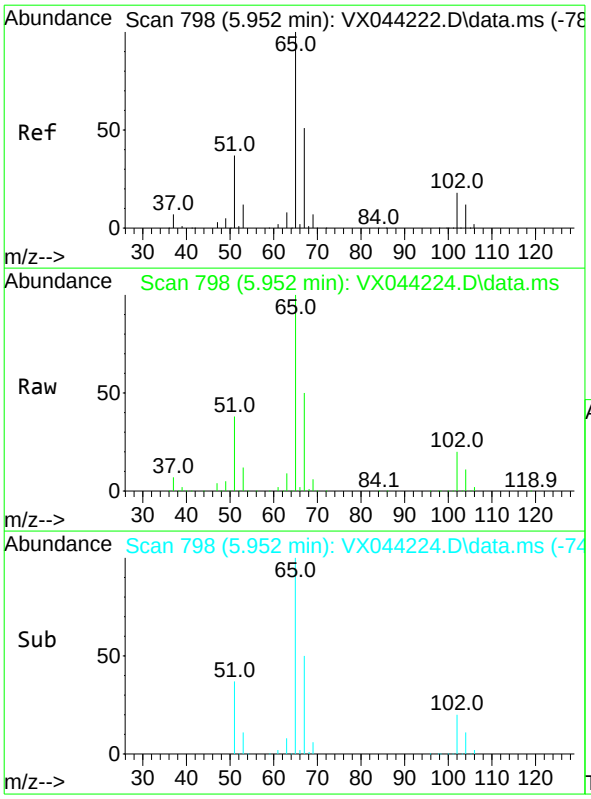




#32
1,1,1-Trichloroethane
Concen: 161.073 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 97 Resp: 415253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 50.8 | 76.2 |
| 61 | 43.2 | 35.2 | 52.8 |

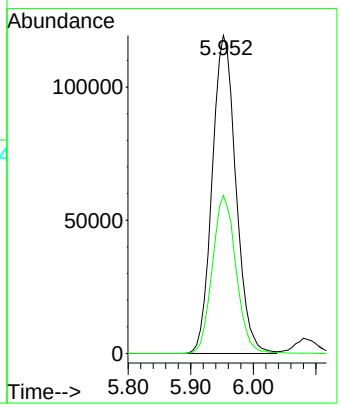





#33
1,2-Dichloroethane-d4
Concen: 151.956 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 65 Resp: 314272

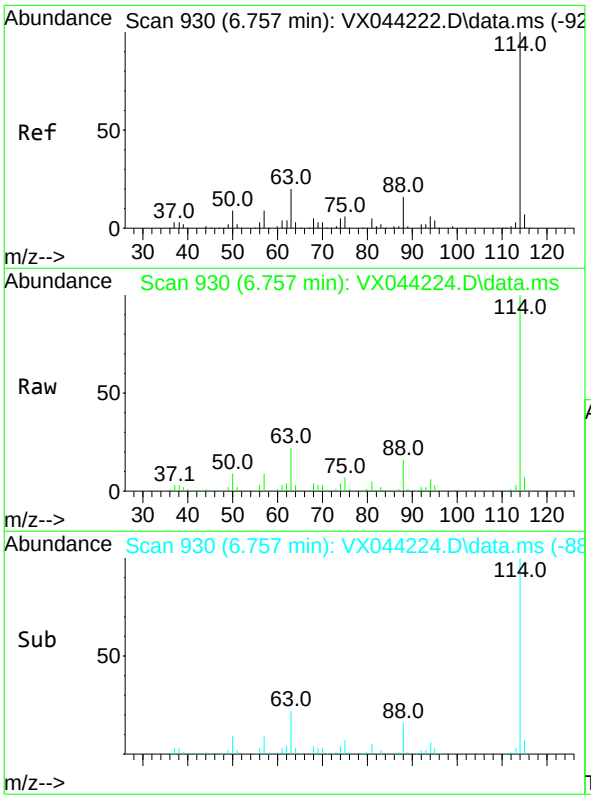
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

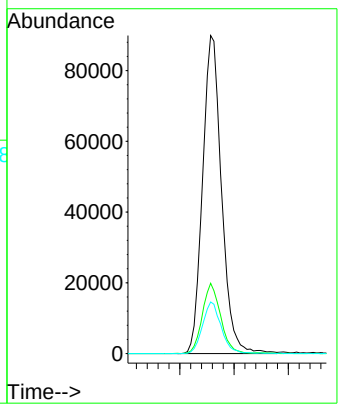
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

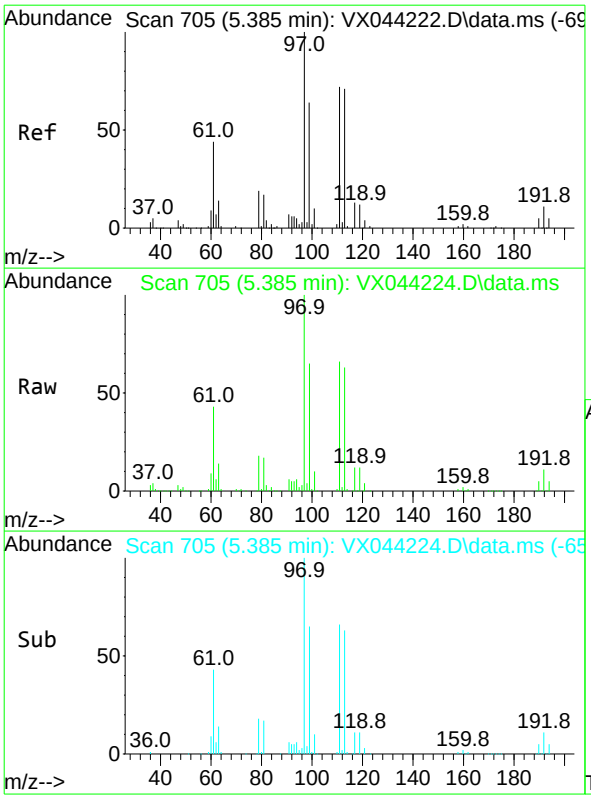



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:114 Resp: 218610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 40.6 |
| 88 | 16.2 | 0.0 | 31.8 |

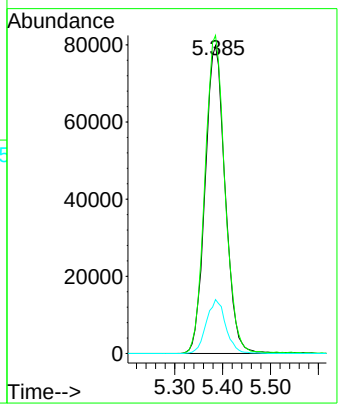





#35
Dibromofluoromethane
Concen: 153.188 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:113 Resp: 231937

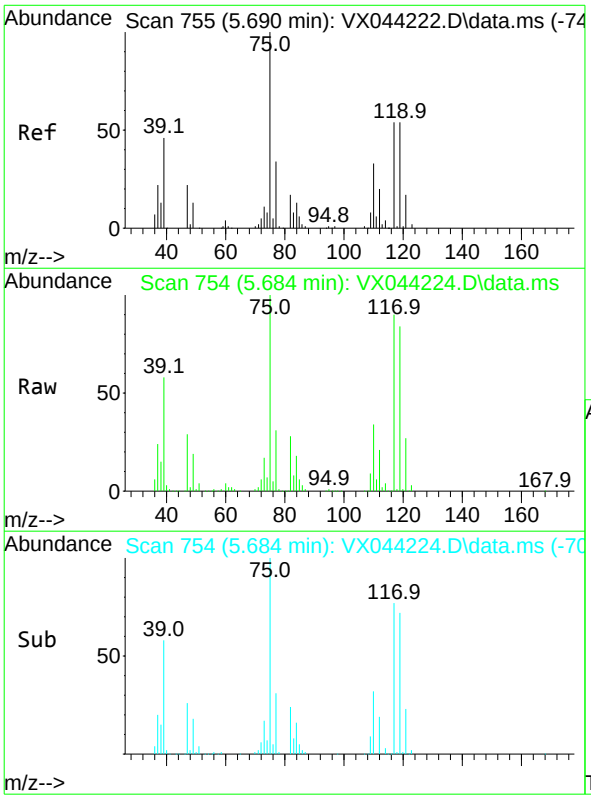
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.1 | 80.4 | 120.6 |
| 192 | 17.0 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

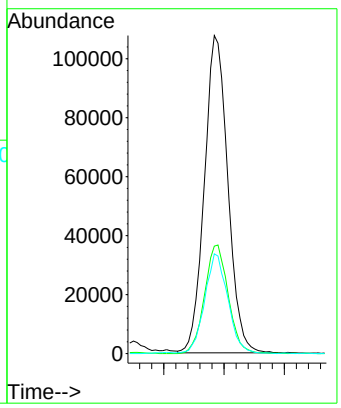
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

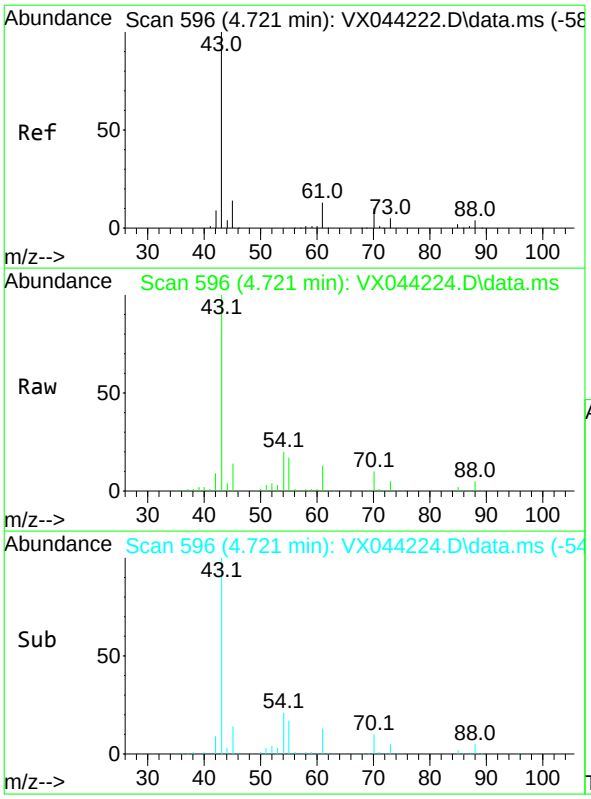



#36
1,1-Dichloropropene
Concen: 148.642 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 290913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.3 | 51.7 |
| 77 | 31.1 | 25.4 | 38.0 |

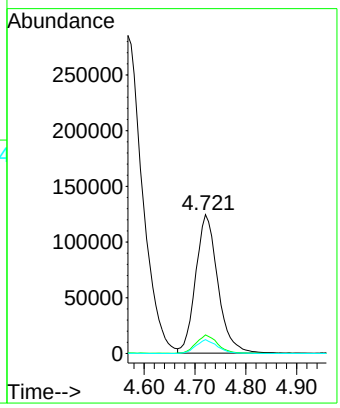





#37
Ethyl Acetate
Concen: 155.731 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 376757

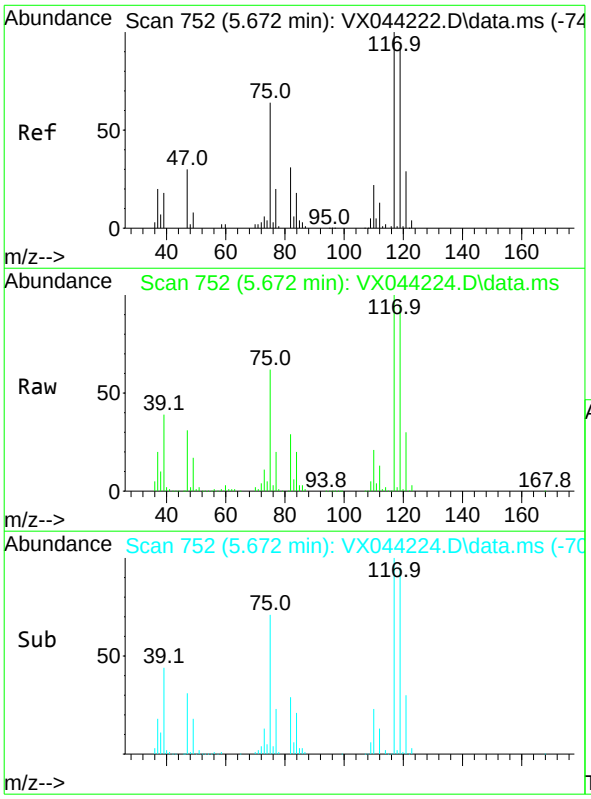
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 9.8 | 14.8 |
| 70 | 9.6 | 7.7 | 11.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

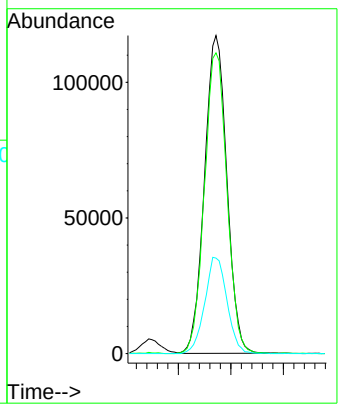
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

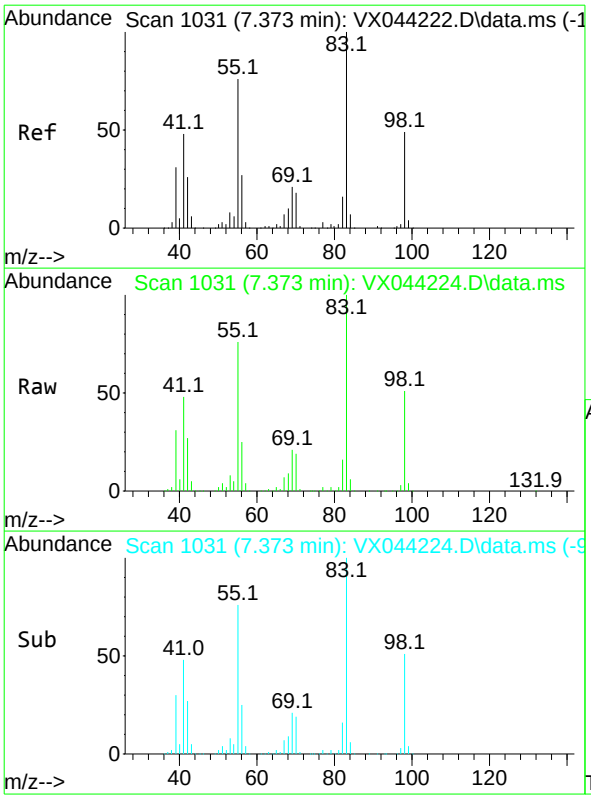



#38
Carbon Tetrachloride
Concen: 164.587 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:117 Resp: 346795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.6 | 74.2 | 111.4 |
| 121 | 30.1 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 157.516 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 83 Resp: 368542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.8 | 60.7 | 91.1 |
| 98 | 50.5 | 38.9 | 58.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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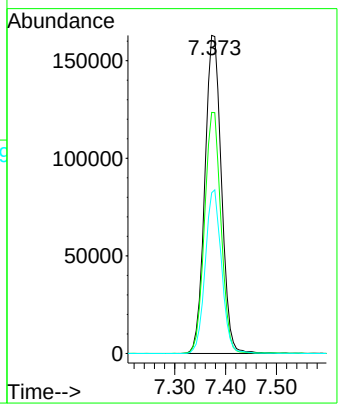
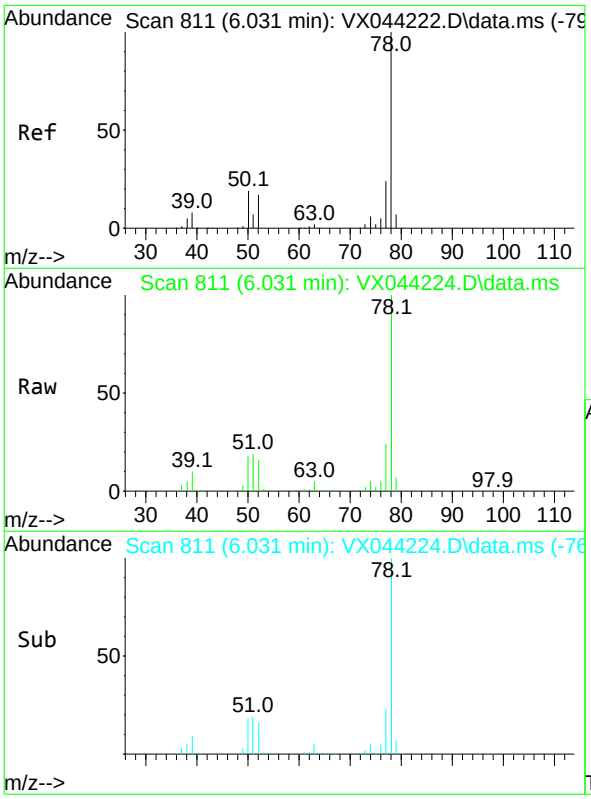
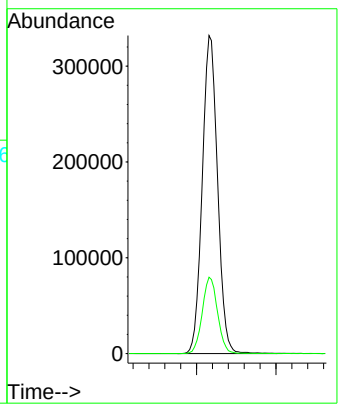


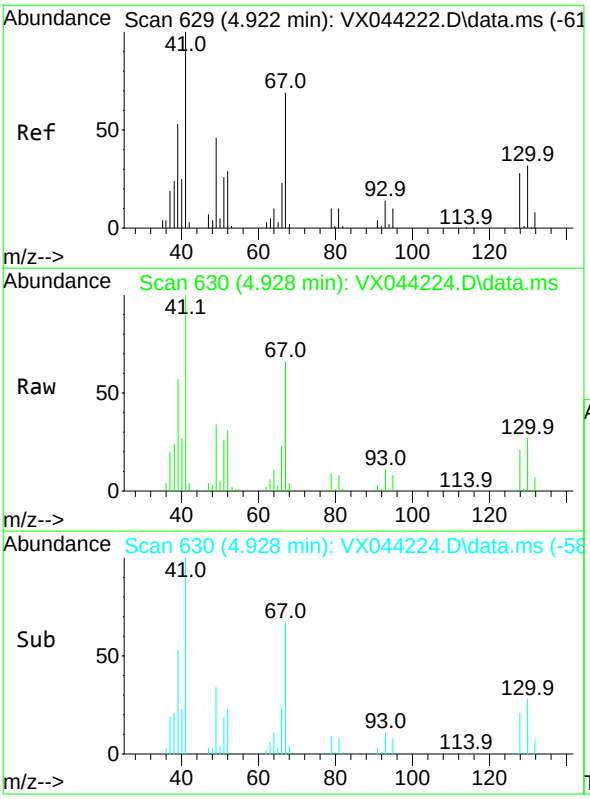




#40
Benzene
Concen: 149.340 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 78 Resp: 887413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.3 | 28.9 |

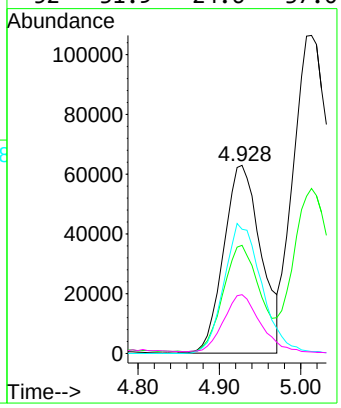





#41
Methacrylonitrile
Concen: 155.569 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 199851

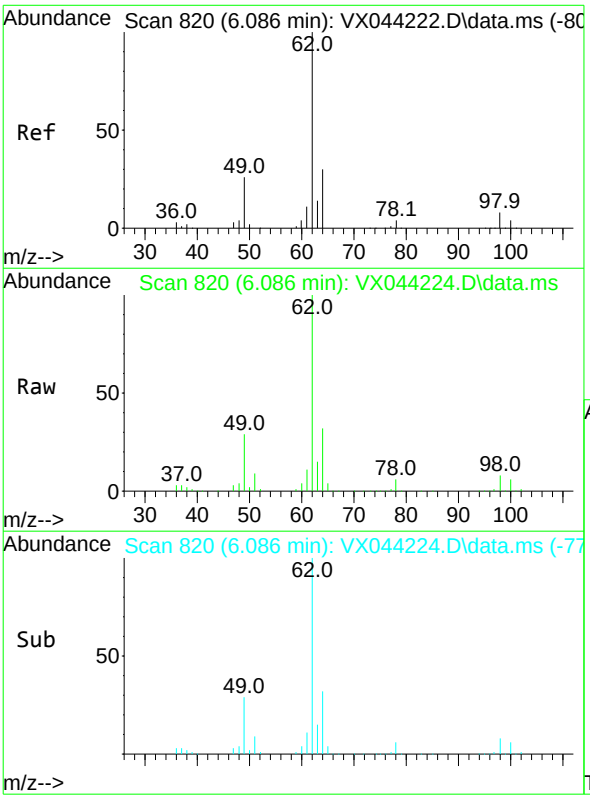
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.5 | 44.2 | 66.4 |
| 67 | 70.2 | 57.2 | 85.8 |
| 52 | 31.9 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

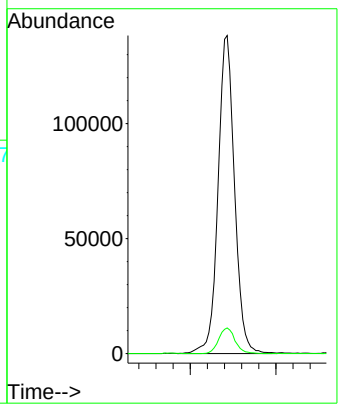
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

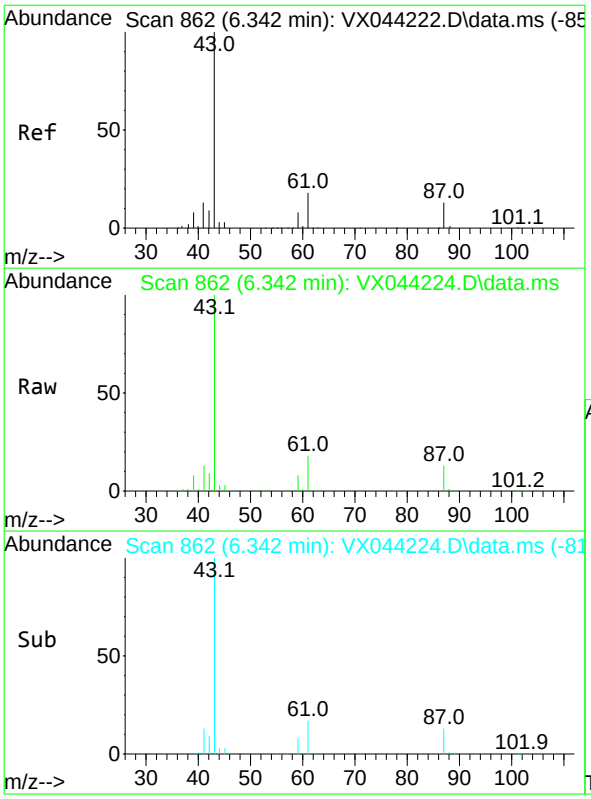



#42
1,2-Dichloroethane
Concen: 151.105 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 62 Resp: 369874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.0 | 0.0 | 15.8 |

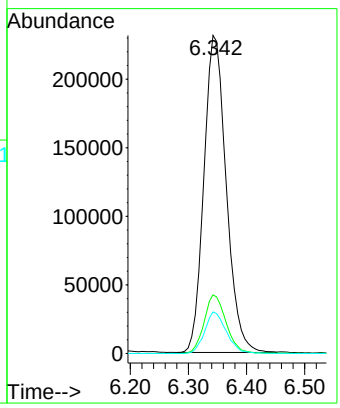





#43
Isopropyl Acetate
Concen: 163.200 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 617107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.2 | 14.2 | 21.2 |
| 87 | 12.8 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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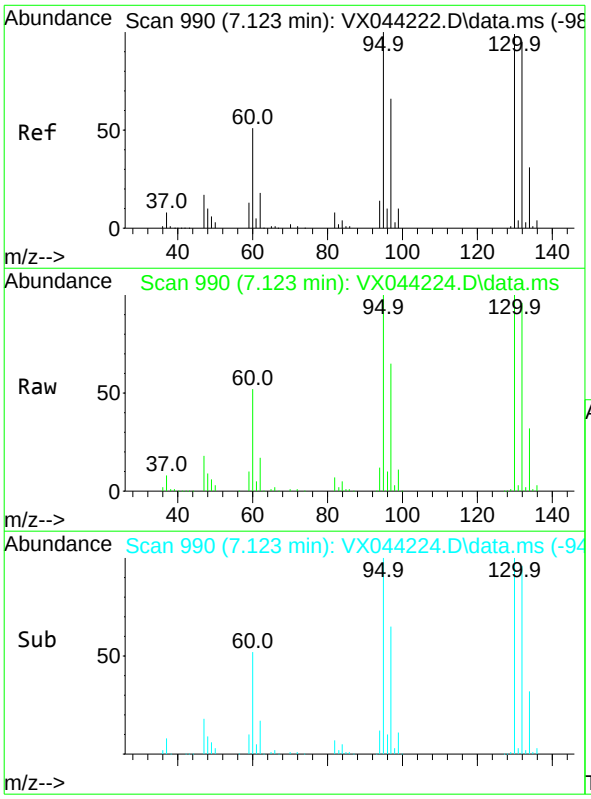
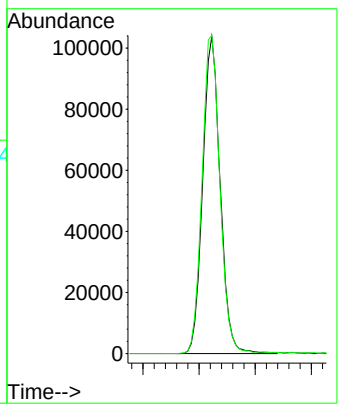
Supervised By :Mahesh Dadoda 12/12/2024

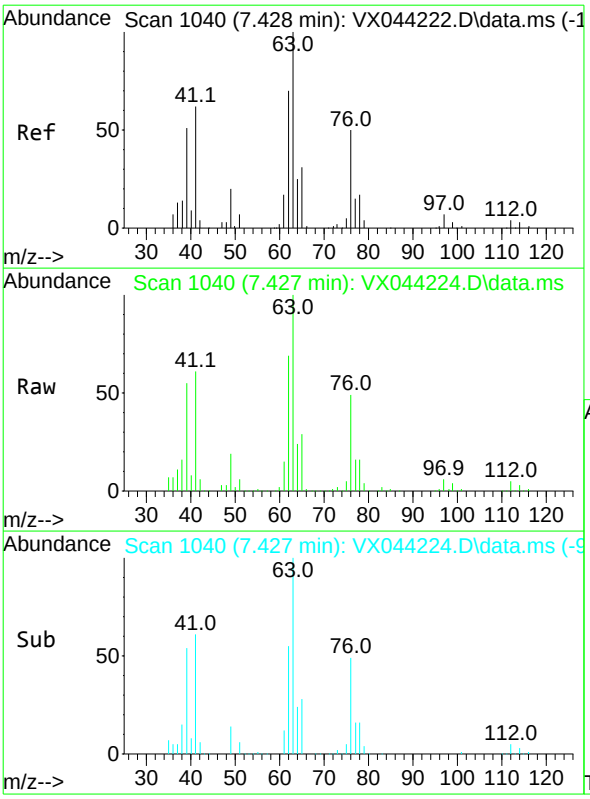



#44
Trichloroethene
Concen: 151.275 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:130 Resp: 224164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.3 | 0.0 | 201.4 |

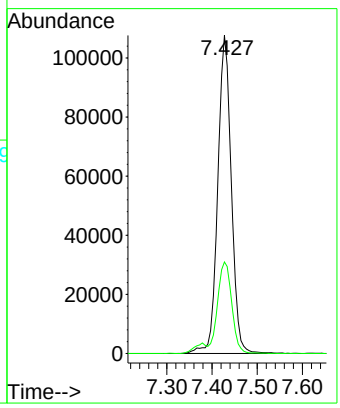





#45
1,2-Dichloropropane
Concen: 147.697 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 224224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.8 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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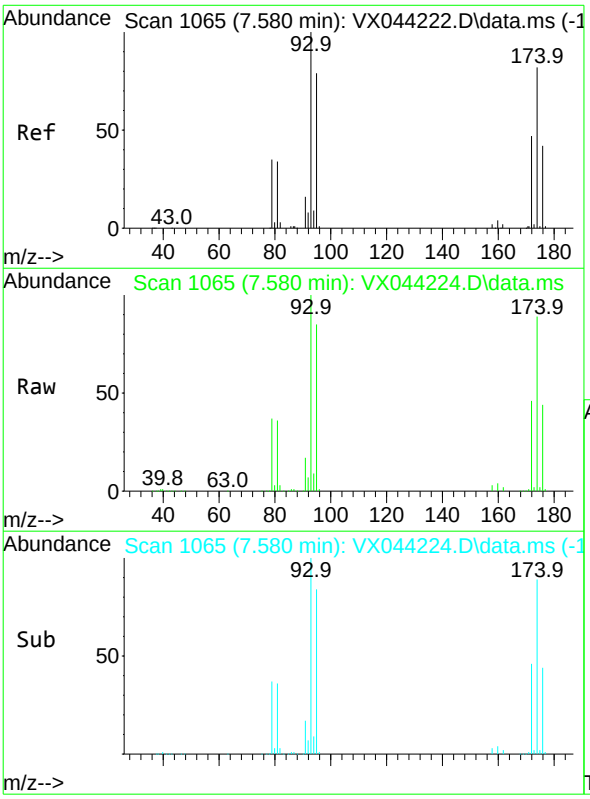
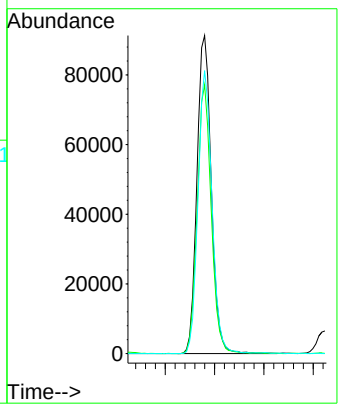
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

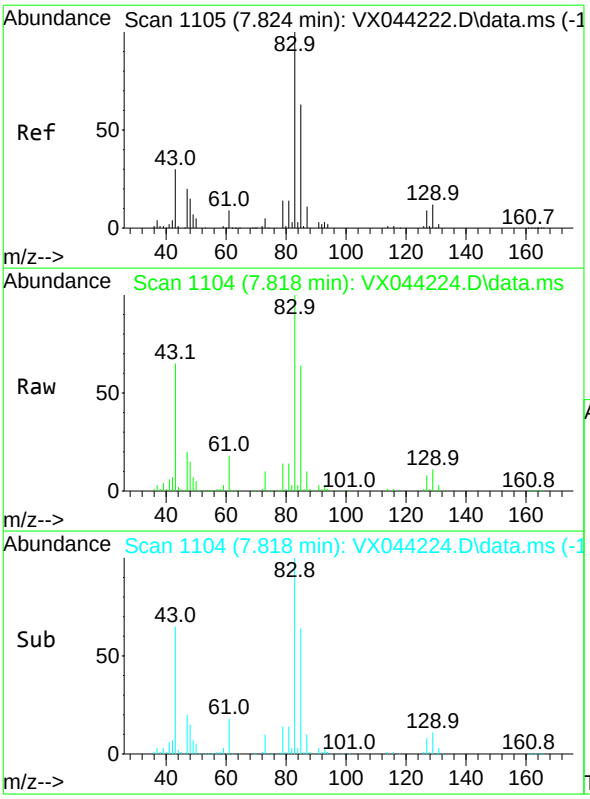



#46
Dibromomethane
Concen: 156.728 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 93 Resp: 184590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 65.4 | 98.2 |
| 174 | 86.7 | 67.9 | 101.9 |

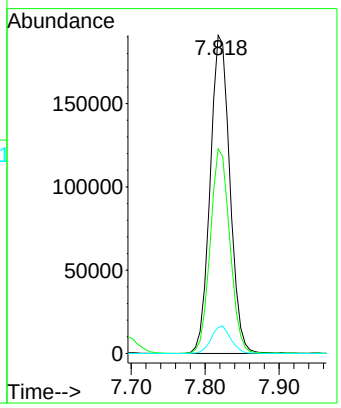





#47
Bromodichloromethane
Concen: 173.496 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 83 Resp: 352904

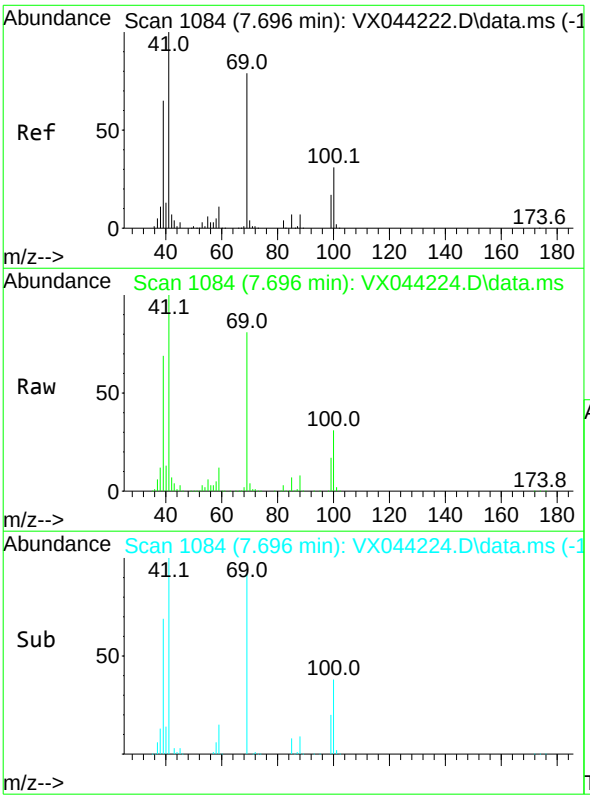
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.6 | 75.8 |
| 127 | 8.1 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

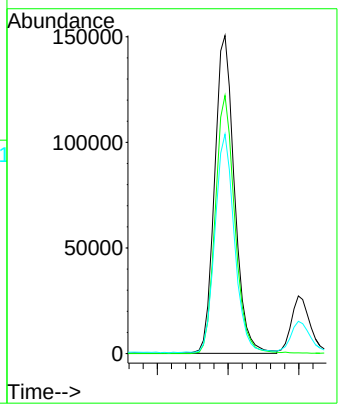
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

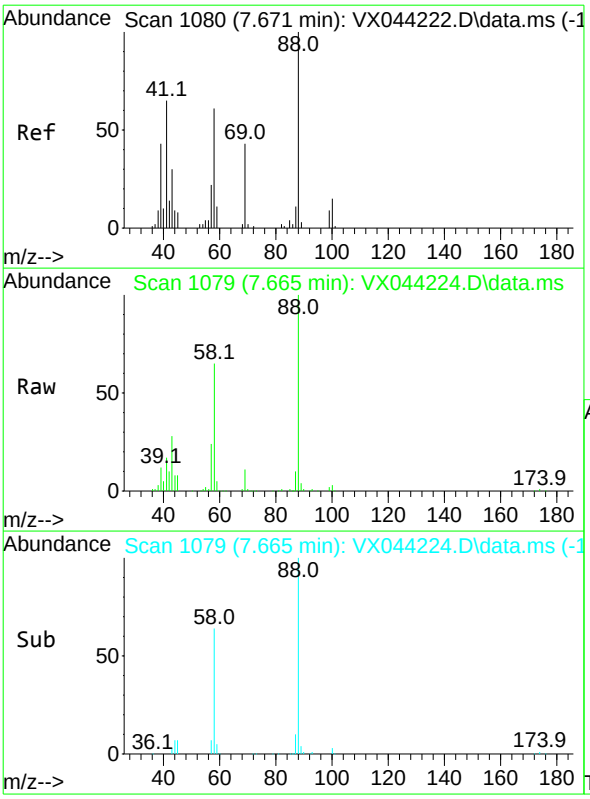



#48
Methyl methacrylate
Concen: 159.567 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 292890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.0 | 62.4 | 93.6 |
| 39 | 67.8 | 53.3 | 79.9 |

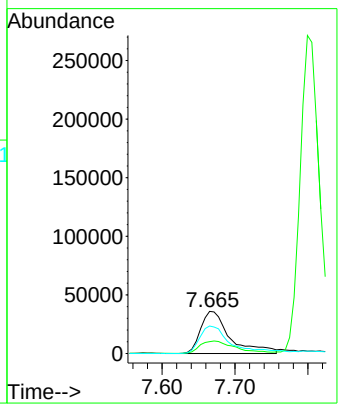





#49
1,4-Dioxane
Concen: 3221.248 ug/l m
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 88 Resp: 101048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.1 | 27.1 | 40.7 |
| 58 | 69.6 | 41.0 | 61.4# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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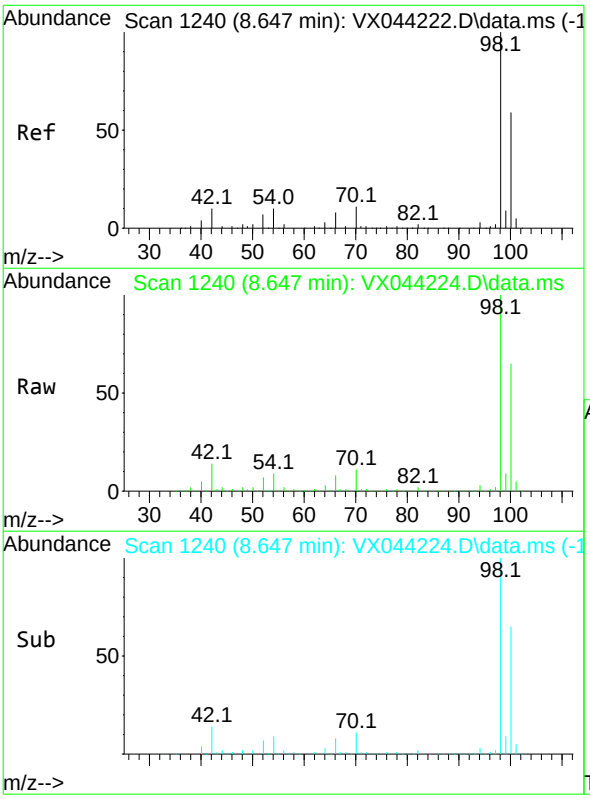
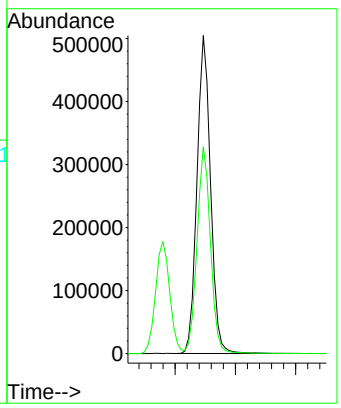
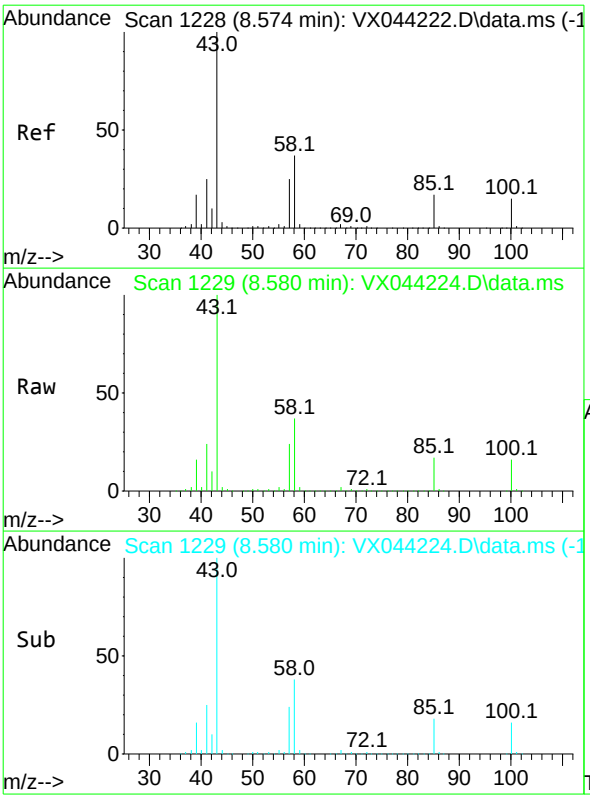



#50
Toluene-d8
Concen: 154.438 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 98 Resp: 788876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 51.5 | 77.3 |

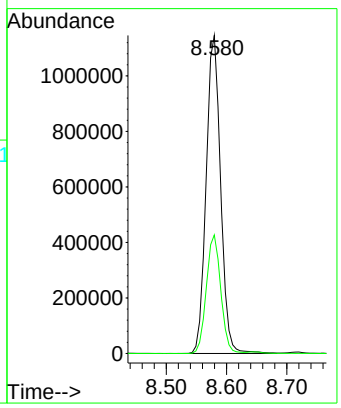





#51
4-Methyl-2-Pentanone
Concen: 784.573 ug/l
RT: 8.580 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 1907523

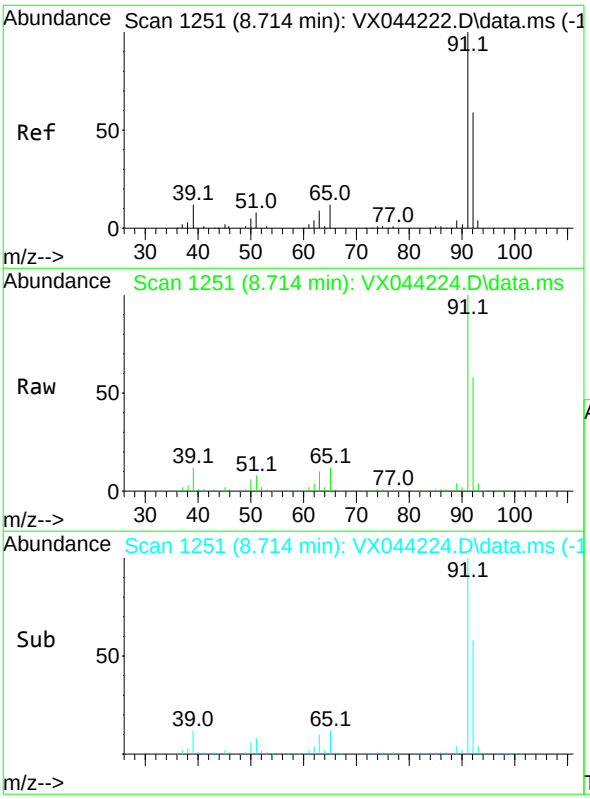
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.1 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

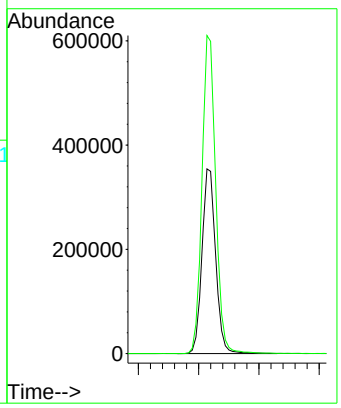
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

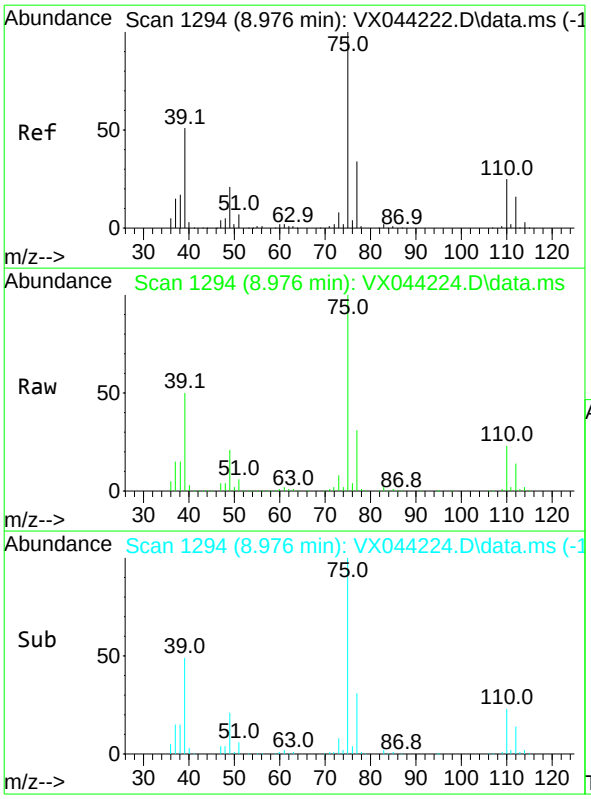



#52
Toluene
Concen: 149.294 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 92 Resp: 557102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 137.0 | 205.6 |

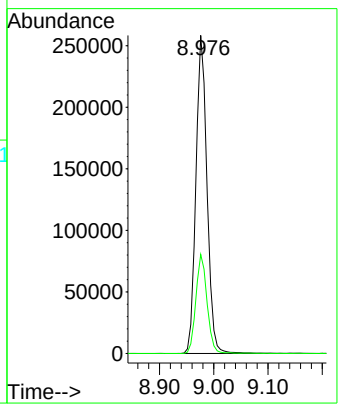





#53
t-1,3-Dichloropropene
Concen: 150.167 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 366275

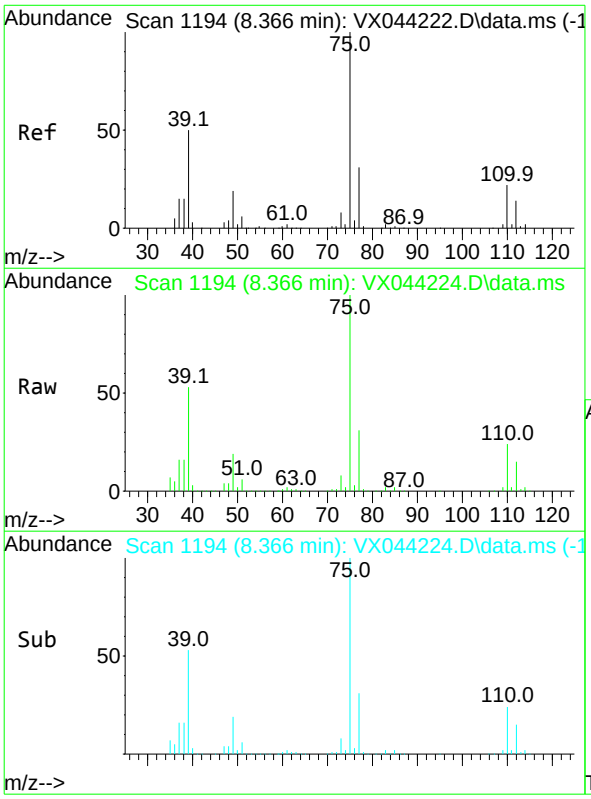
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

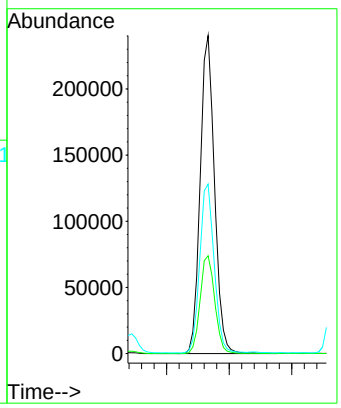
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

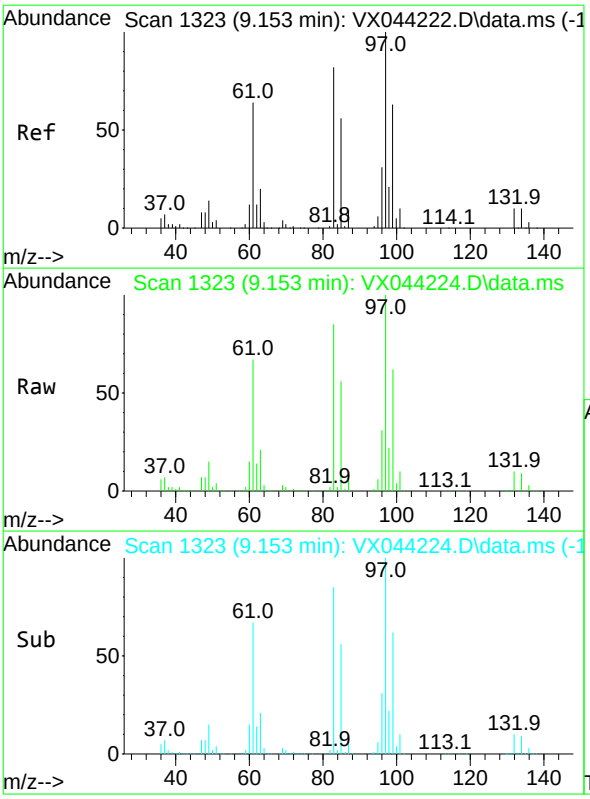



#54
cis-1,3-Dichloropropene
Concen: 172.581 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 382226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 24.7 | 37.1 |
| 39 | 53.1 | 40.3 | 60.5 |

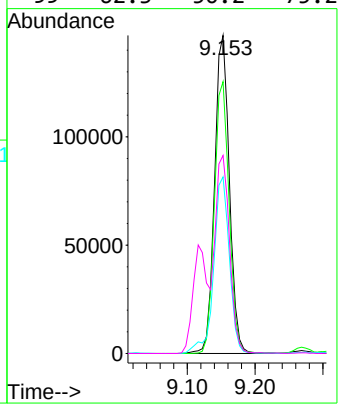





#55
1,1,2-Trichloroethane
Concen: 150.202 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 97 Resp: 222665

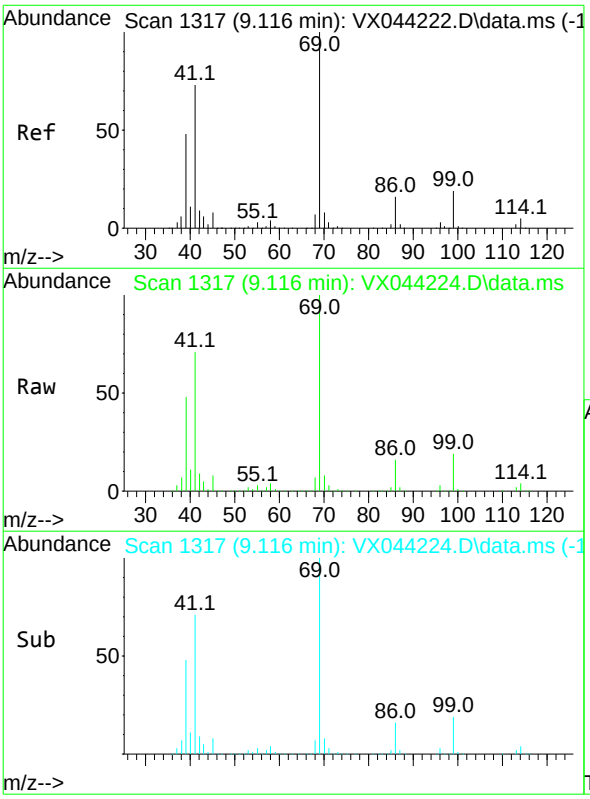
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.5 | 65.3 | 97.9 |
| 85 | 55.5 | 44.6 | 67.0 |
| 99 | 62.3 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

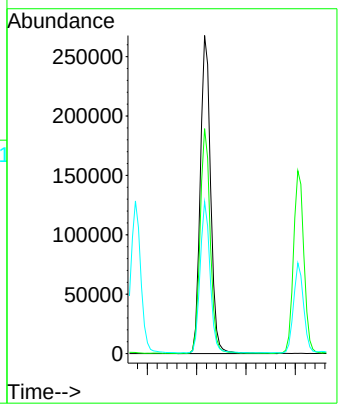
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

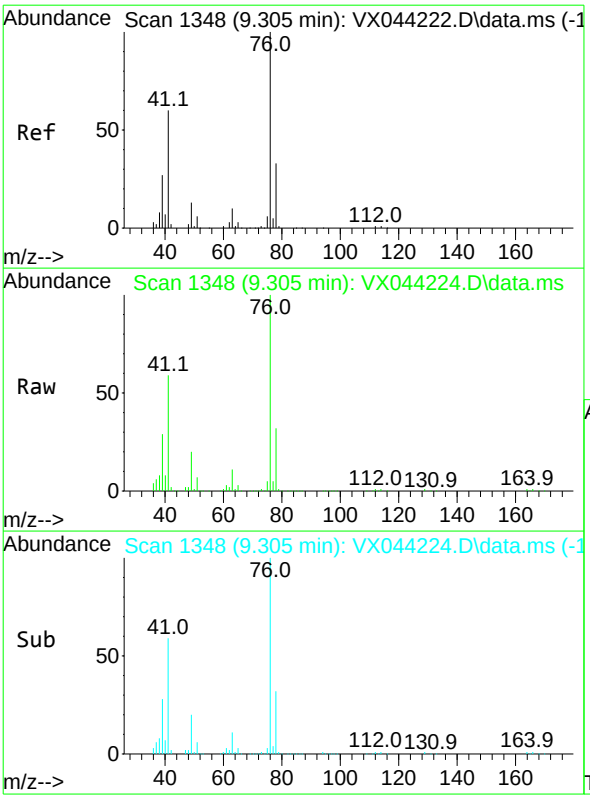



#56
Ethyl methacrylate
Concen: 166.289 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 69 Resp: 389165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.4 | 56.6 | 85.0 |
| 39 | 46.2 | 37.4 | 56.0 |

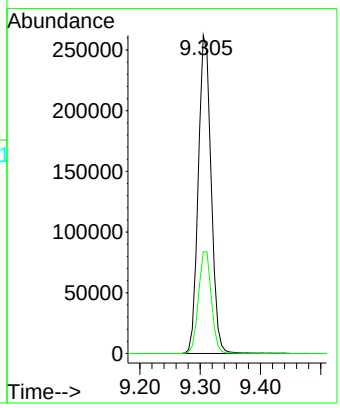





#57
1,3-Dichloropropane
Concen: 150.014 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 76 Resp: 387086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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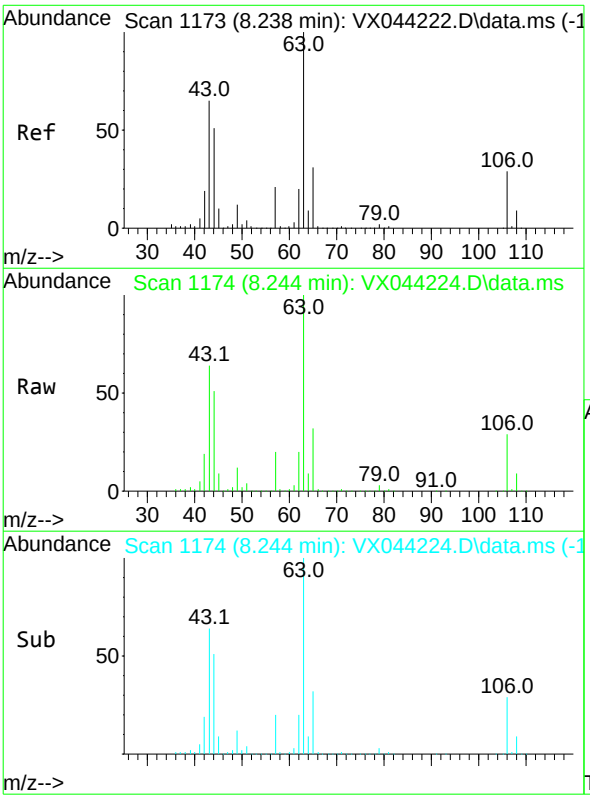
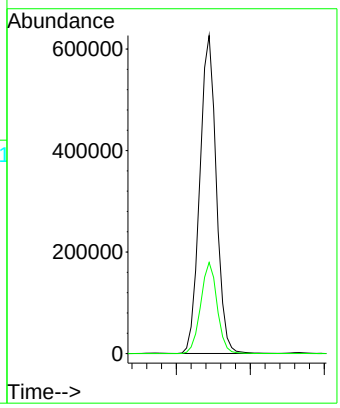
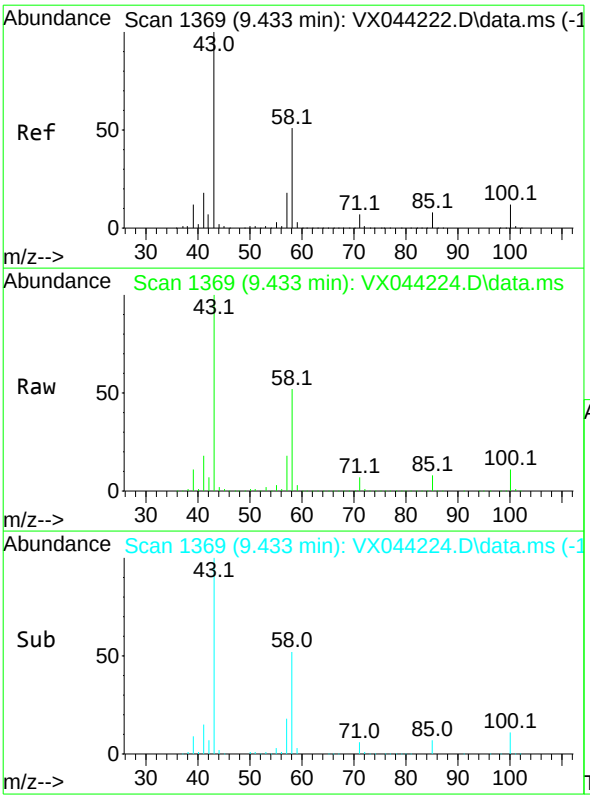



#58
2-Chloroethyl Vinyl ether
Concen: 822.575 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 970949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.5 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 816.161 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 1436300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.0 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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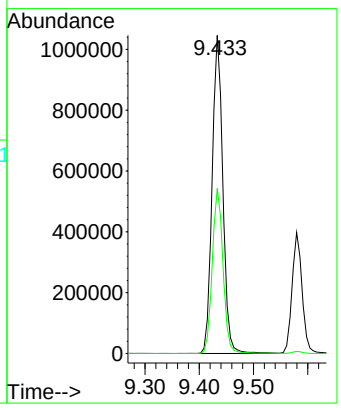
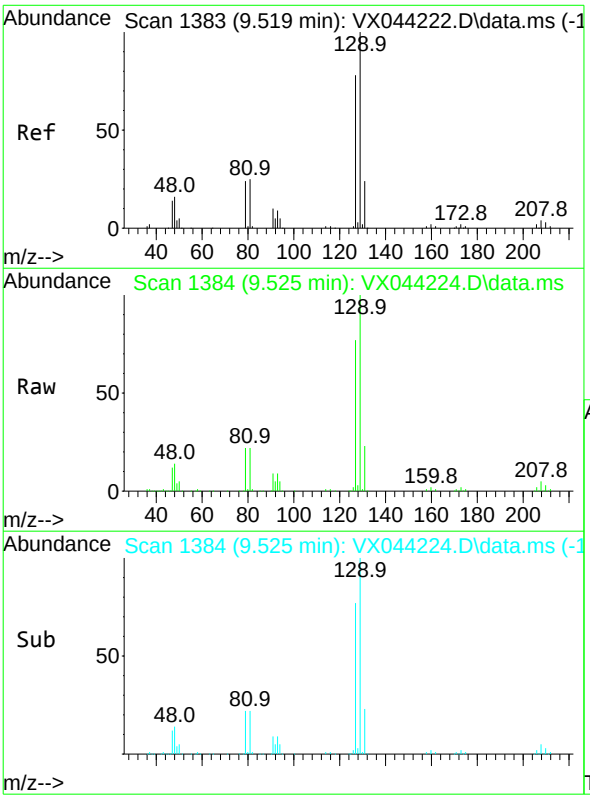
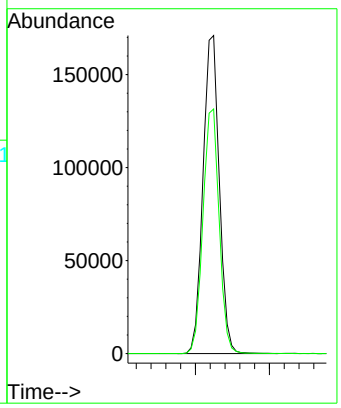


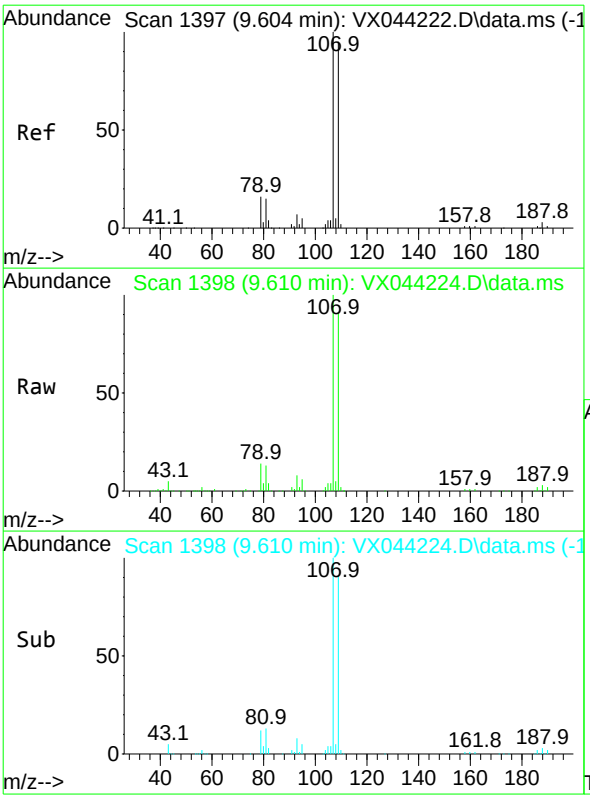




#60
Dibromochloromethane
Concen: 150.105 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:129 Resp: 261253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.5 | 38.5 | 115.3 |

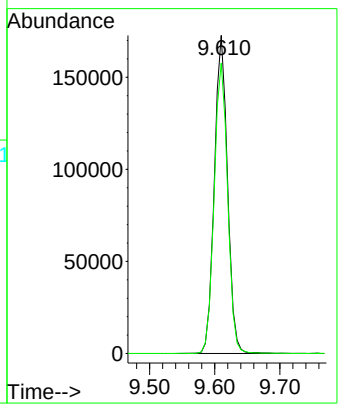





#61
1,2-Dibromoethane
Concen: 160.674 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:107 Resp: 242451

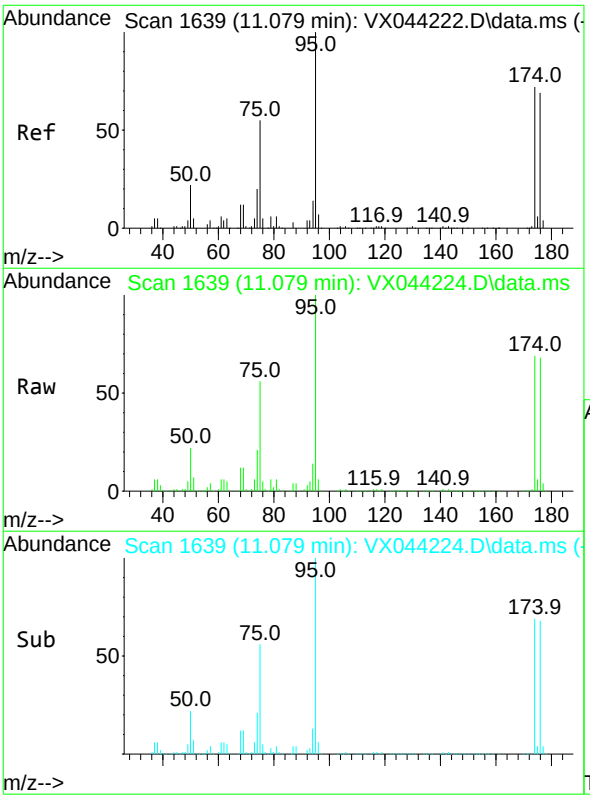
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.4 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

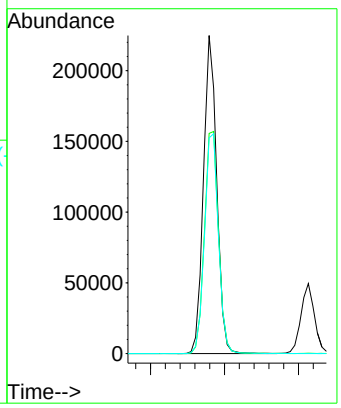
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

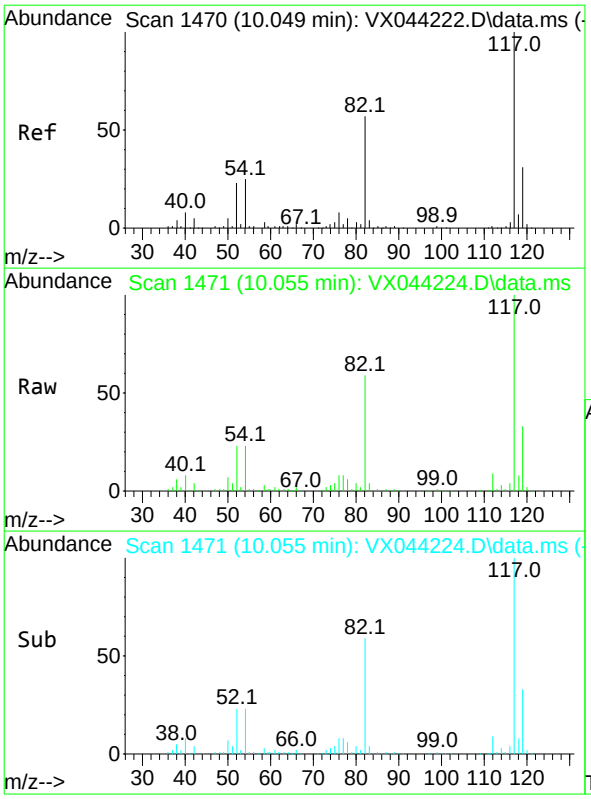



#62
4-Bromofluorobenzene
Concen: 156.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 95 Resp: 279706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.1 | 0.0 | 145.8 |
| 176 | 72.6 | 0.0 | 137.8 |

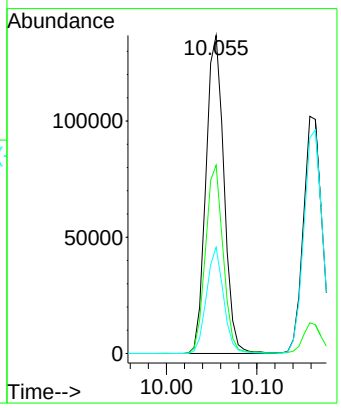





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:117 Resp: 190013

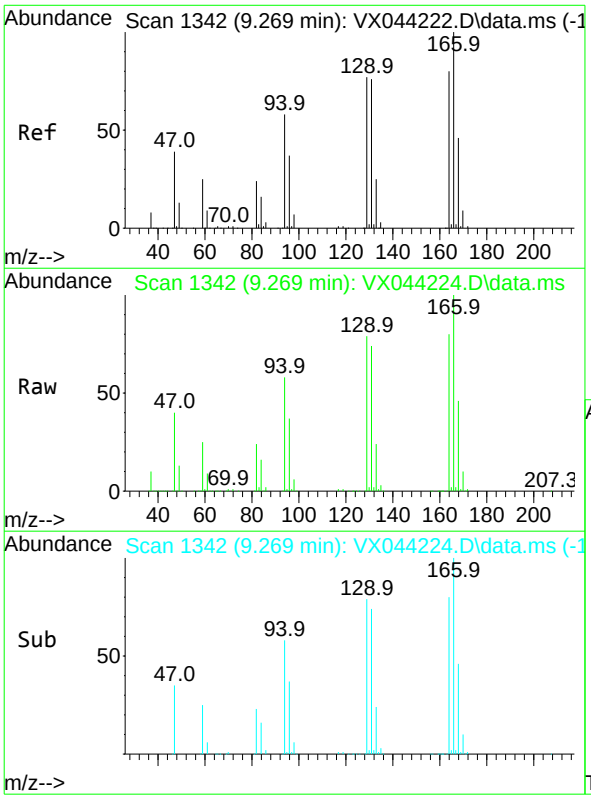
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.2 | 45.8 | 68.8 |
| 119 | 33.4 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

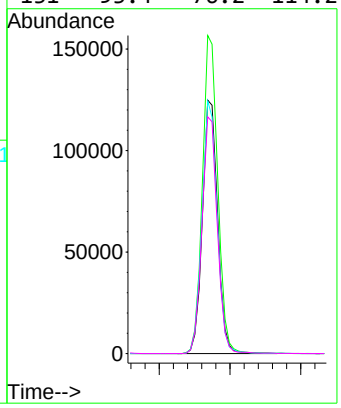
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

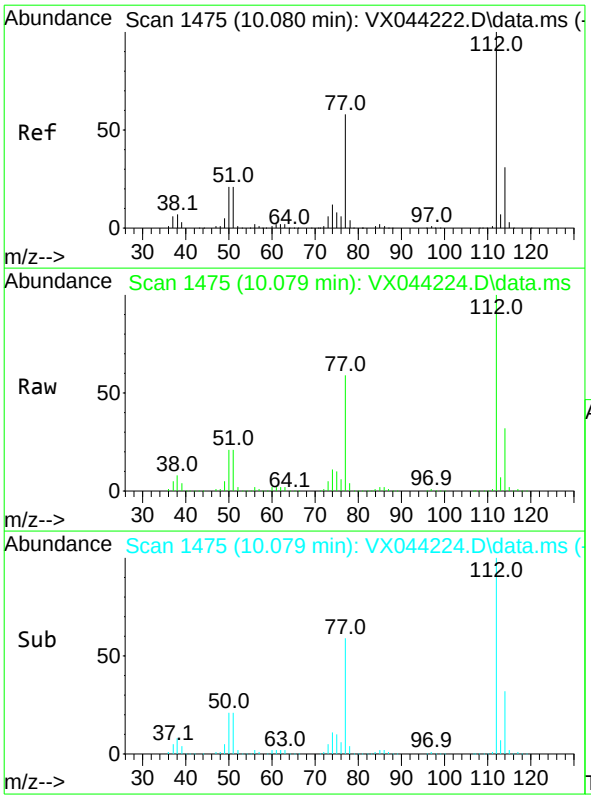



#64
Tetrachloroethene
Concen: 147.836 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:164 Resp: 186443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.5 | 100.4 | 150.6 |
| 129 | 99.7 | 77.2 | 115.8 |
| 131 | 93.4 | 76.2 | 114.2 |

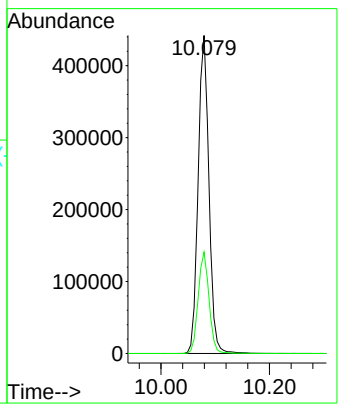





#65
Chlorobenzene
Concen: 149.428 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:112 Resp: 608404

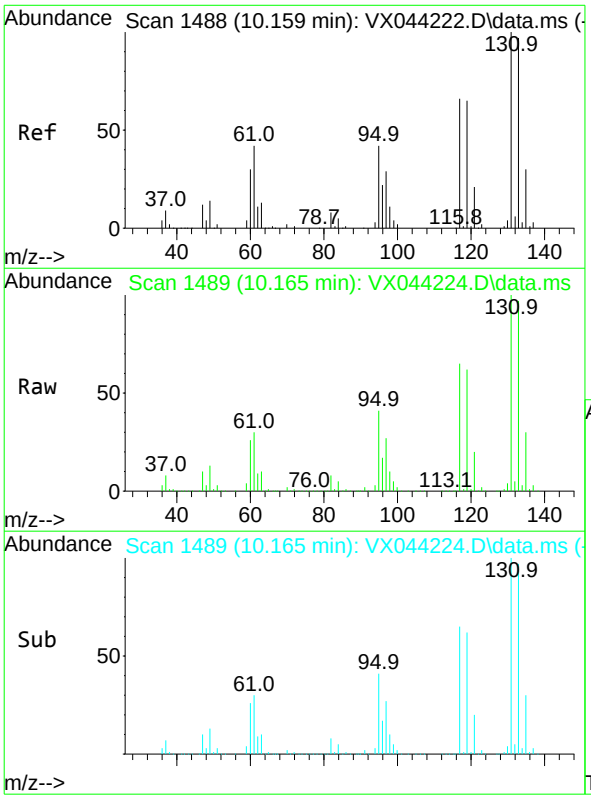
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

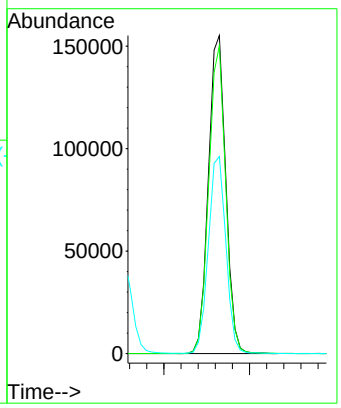
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

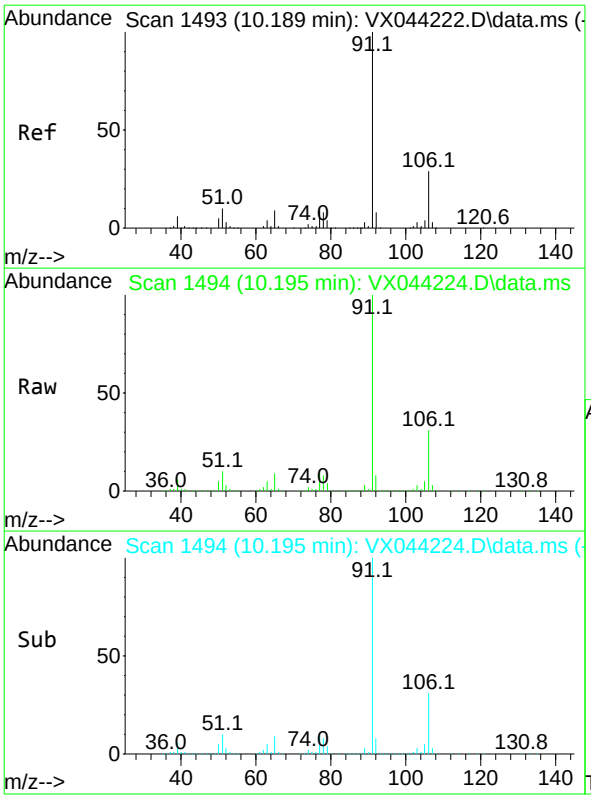



#66
1,1,1,2-Tetrachloroethane
Concen: 166.991 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:131 Resp: 218515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.8 |
| 119 | 62.7 | 31.6 | 95.0 |

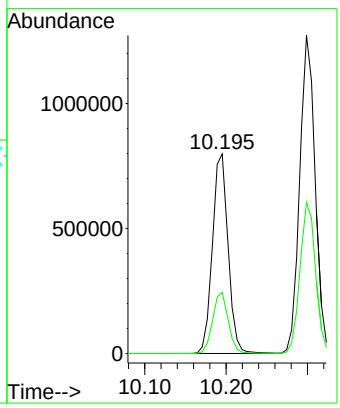





#67
Ethyl Benzene
Concen: 151.917 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 1068736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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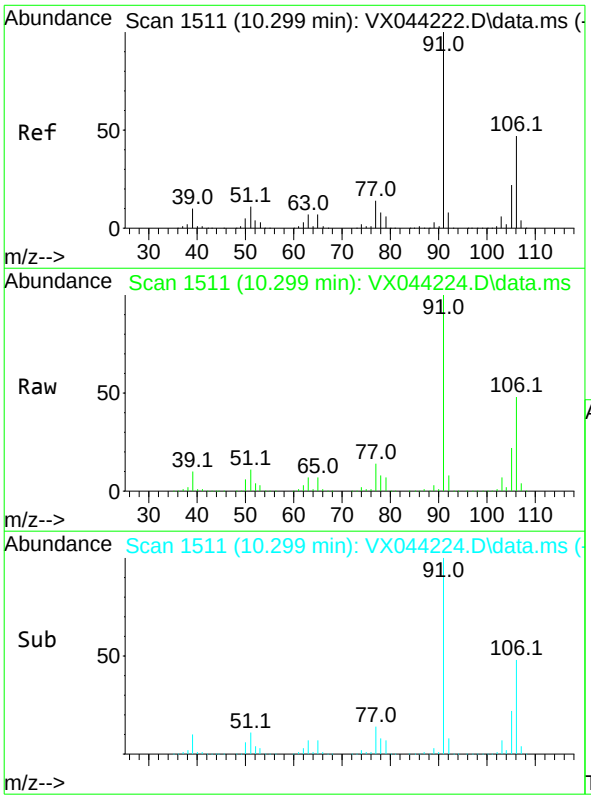
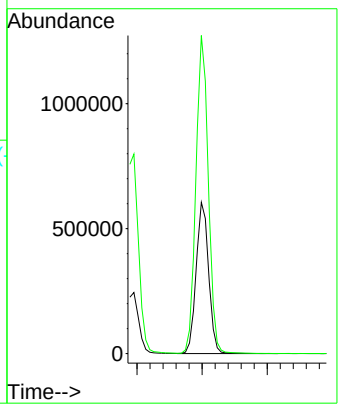
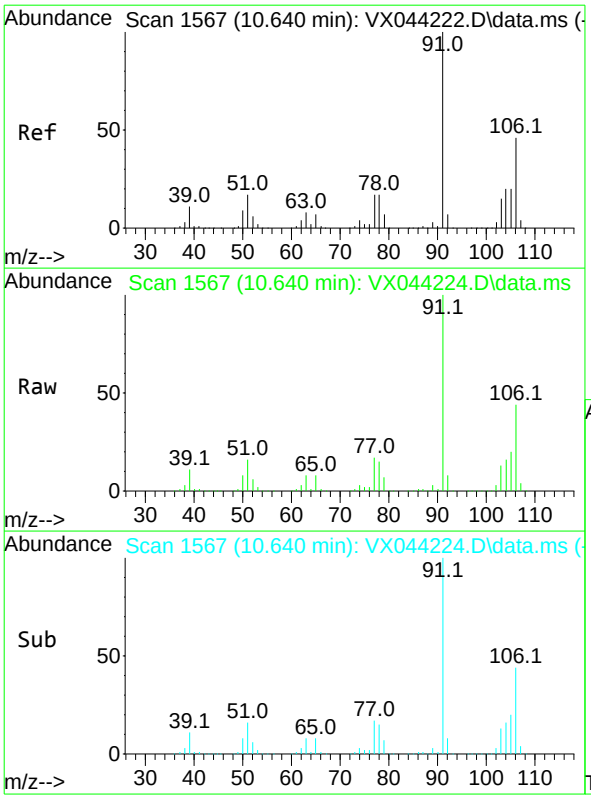



#68
m/p-Xylenes
Concen: 312.254 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:106 Resp: 806058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.8 | 170.2 | 255.2 |






#69
o-Xylene
Concen: 152.030 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:106 Resp: 397084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.5 | 112.3 | 337.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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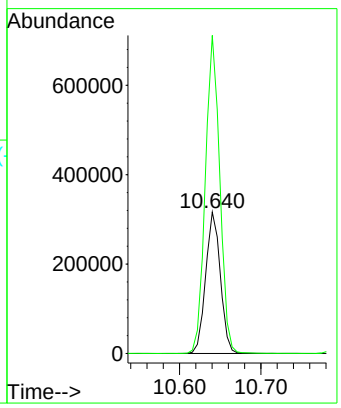
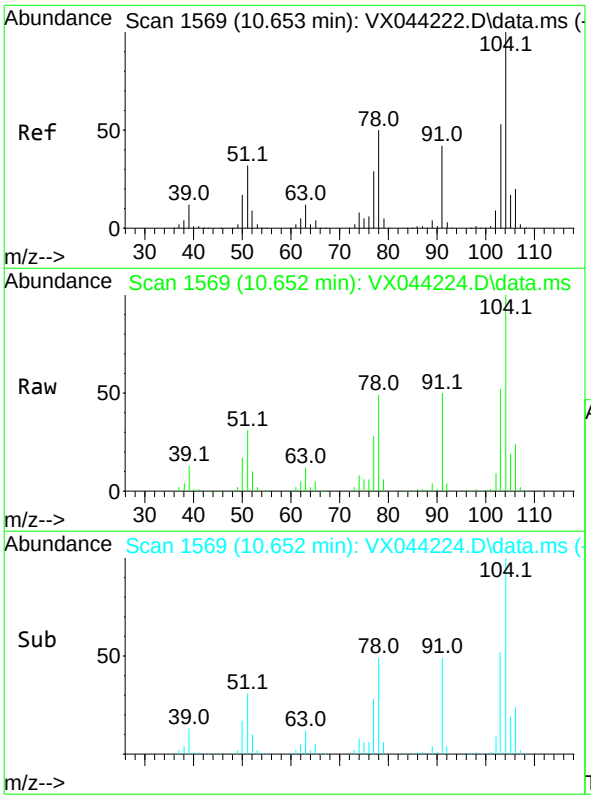
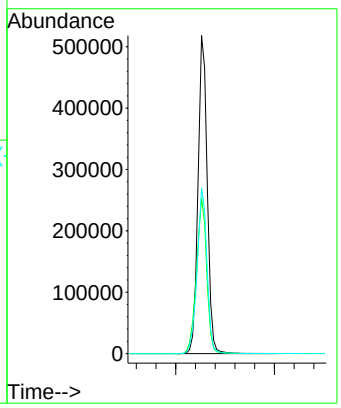


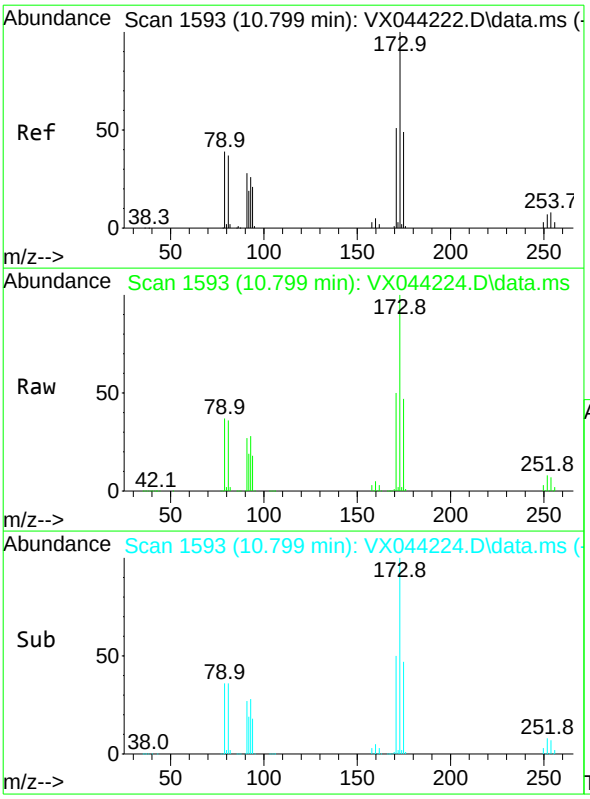




#70
Styrene
Concen: 160.228 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:104 Resp: 670887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.2 | 44.6 | 67.0 |
| 103 | 55.9 | 45.4 | 68.0 |






#71
Bromoform
Concen: 150.034 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

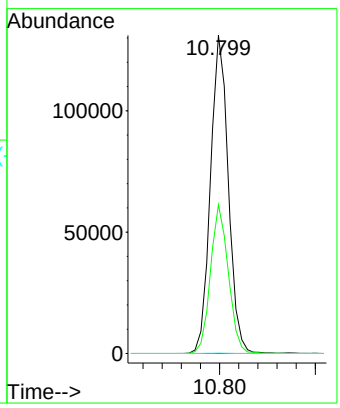
Tgt Ion:173 Resp: 169450

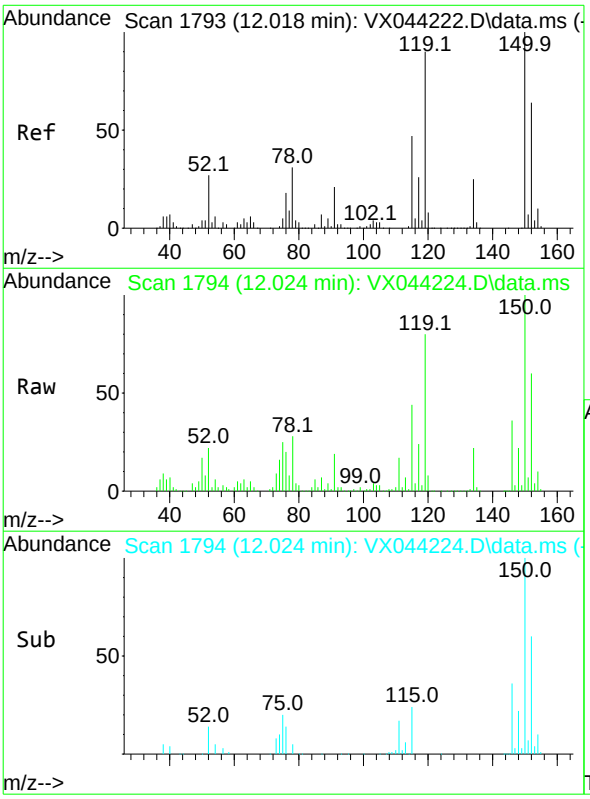
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 23.8 | 71.4 |
| 254 | 0.1 | 0.0 | 0.0# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

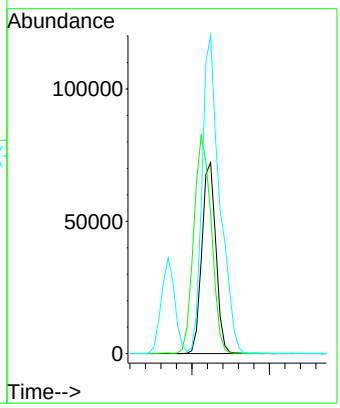


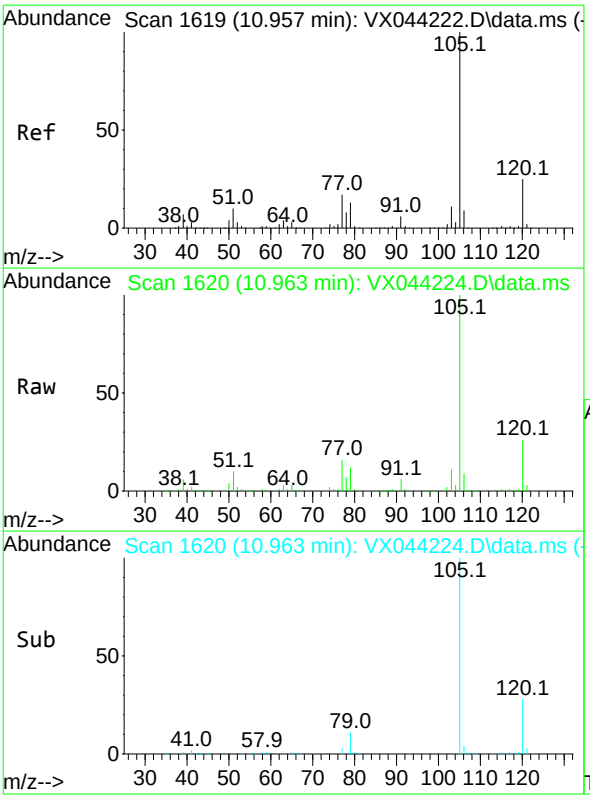




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:152 Resp: 90898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 142.2 | 44.5 | 133.3# |
| 150 | 208.8 | 0.0 | 353.8 |

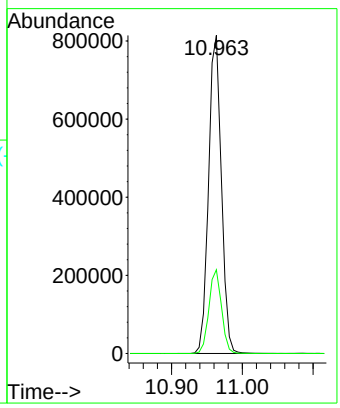





#73
Isopropylbenzene
Concen: 146.832 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 1021749

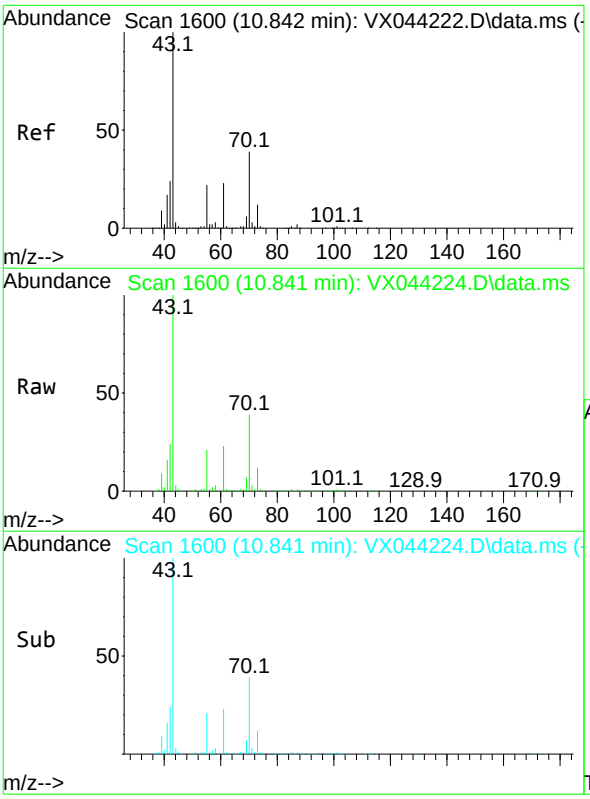
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

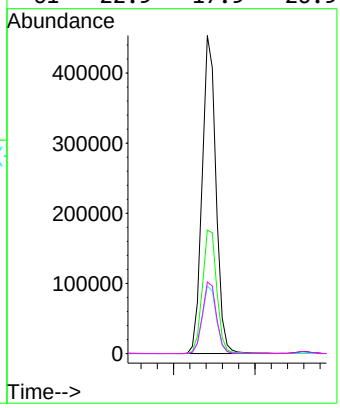
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

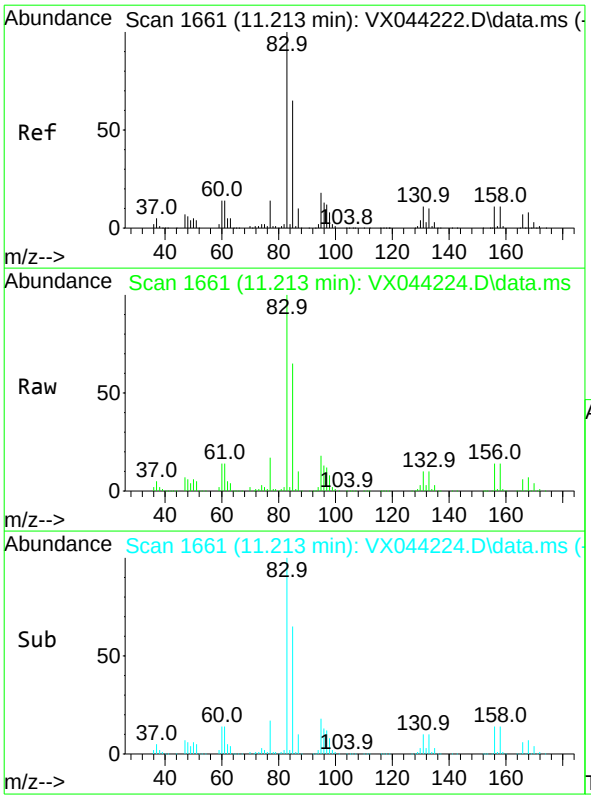



#74
N-amyl acetate
Concen: 166.823 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 536496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.3 | 31.9 | 47.9 |
| 55 | 21.6 | 17.9 | 26.9 |
| 61 | 22.9 | 17.9 | 26.9 |






#75
1,1,2,2-Tetrachloroethane
Concen: 145.883 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

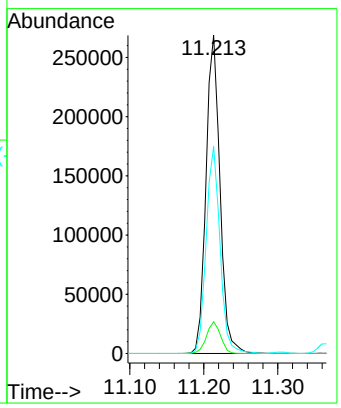
Tgt Ion: 83 Resp: 352591

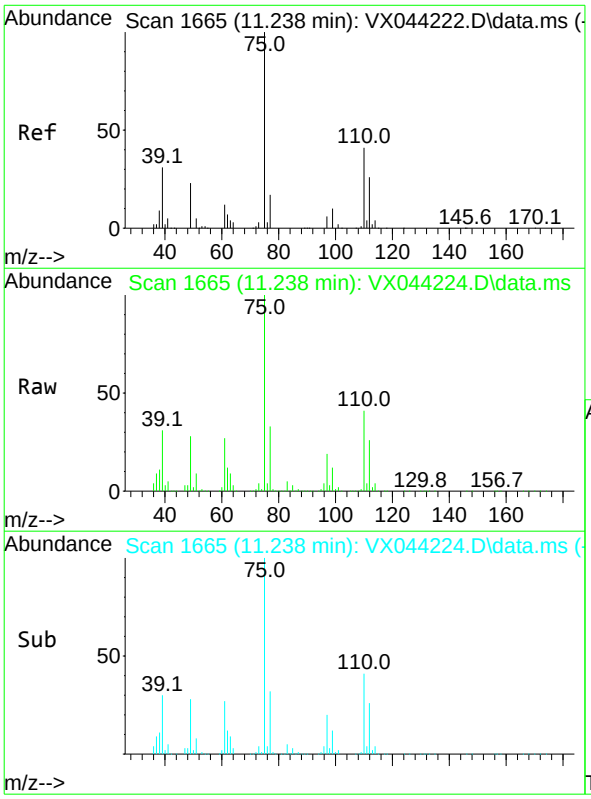
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.4 |
| 85 | 64.4 | 32.5 | 97.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

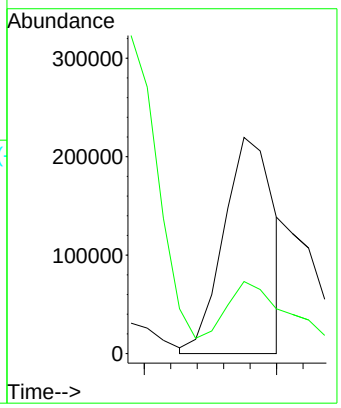


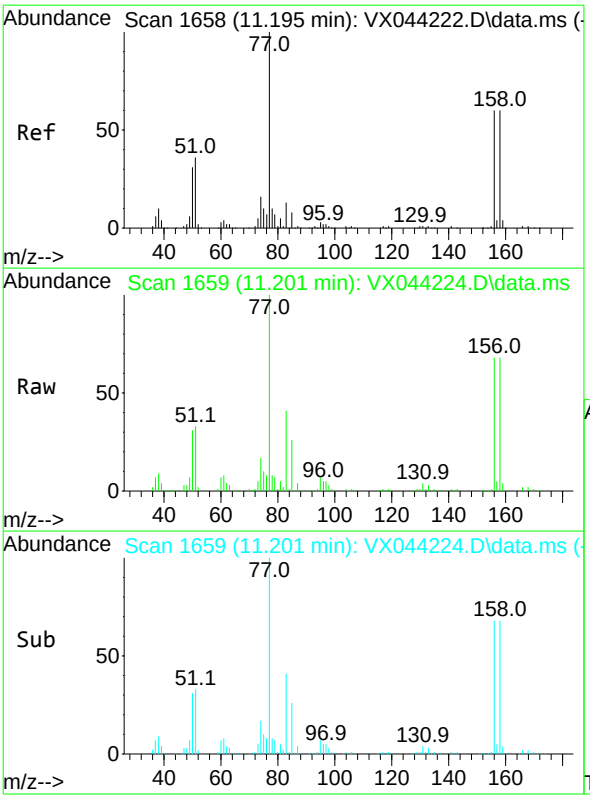




#76
1,2,3-Trichloropropane
Concen: 139.434 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 287602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.2 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 144.584 ug/l
RT: 11.201 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

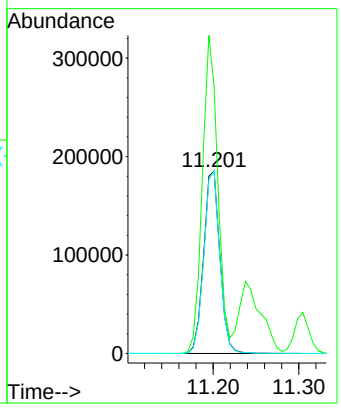
Tgt Ion:156 Resp: 243975

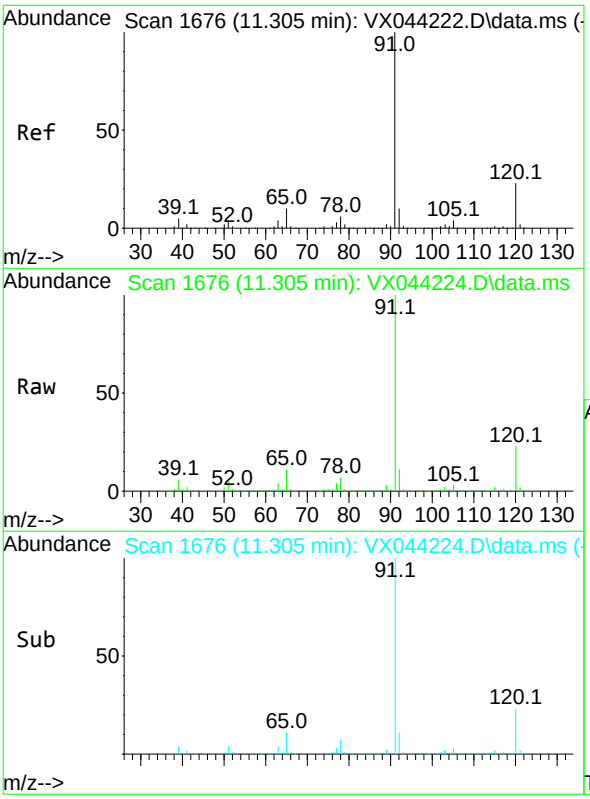
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.5 | 82.6 | 247.8 |
| 158 | 98.2 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

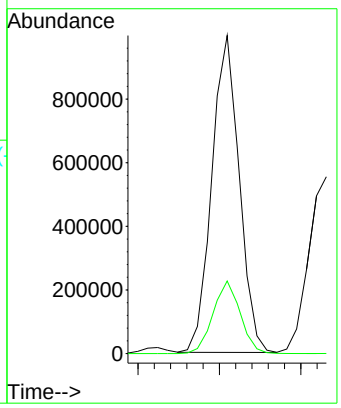


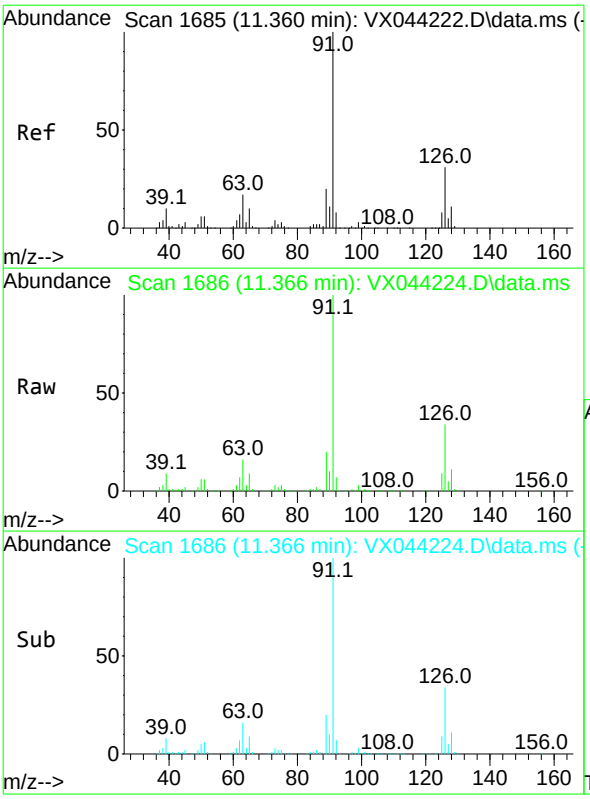




#78
n-propylbenzene
Concen: 151.637 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 1166255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.0 | 33.0 |

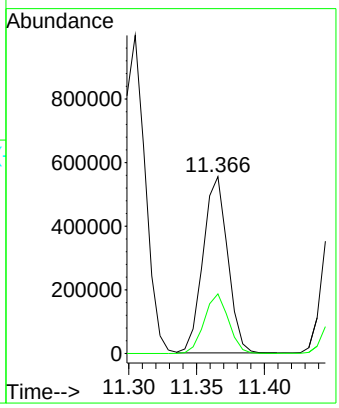





#79
2-Chlorotoluene
Concen: 140.866 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 700673

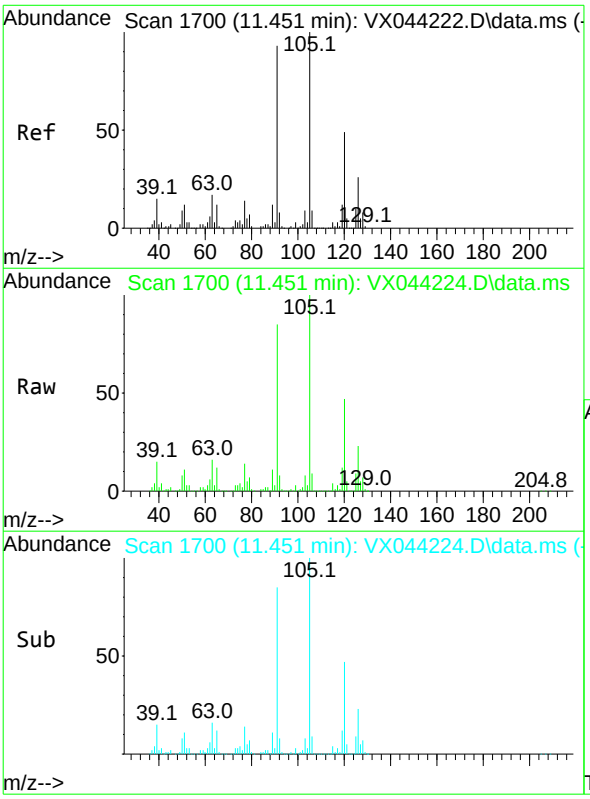
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

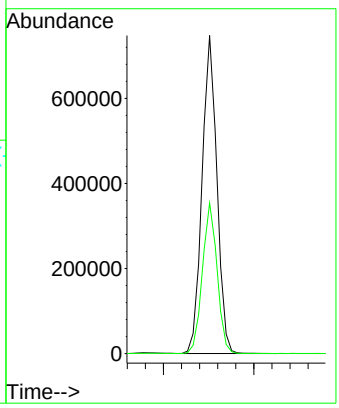
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

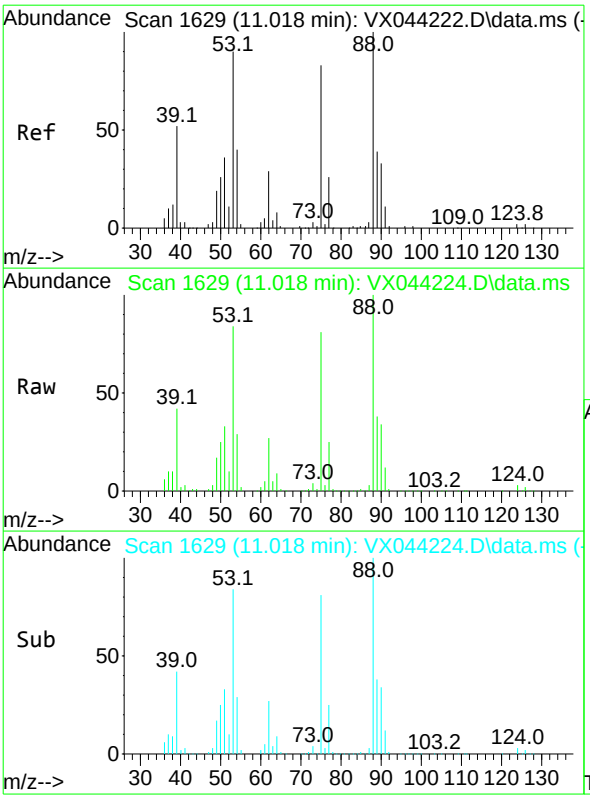



#80
1,3,5-Trimethylbenzene
Concen: 147.824 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 853042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.8 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 152.670 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

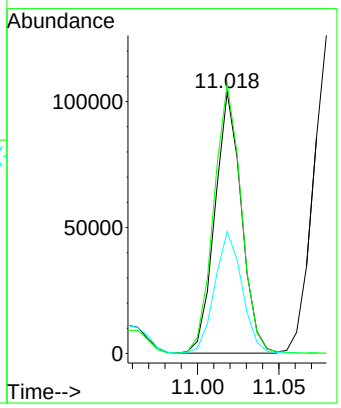
Tgt Ion: 75 Resp: 117263

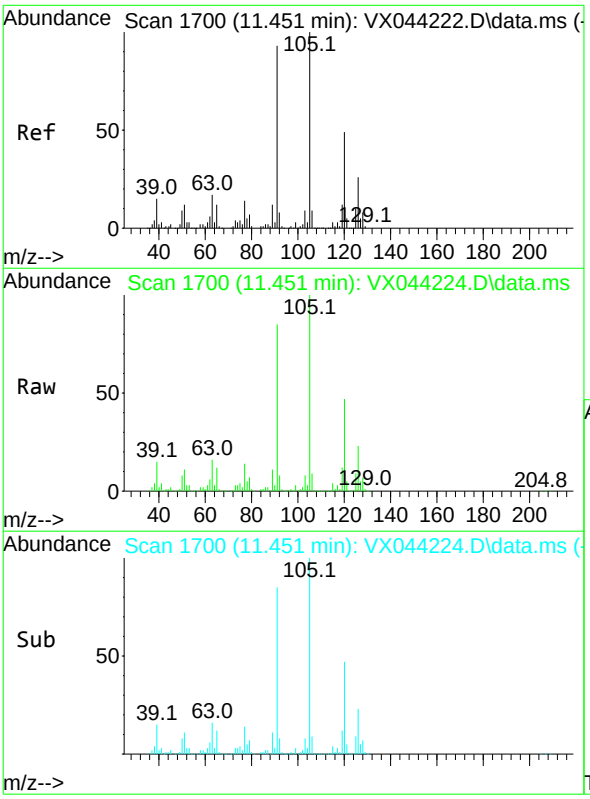
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 107.3 | 93.6 | 140.4 |
| 89 | 48.2 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

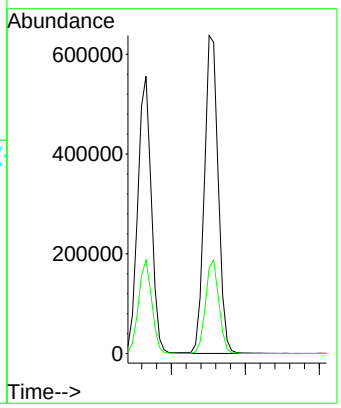


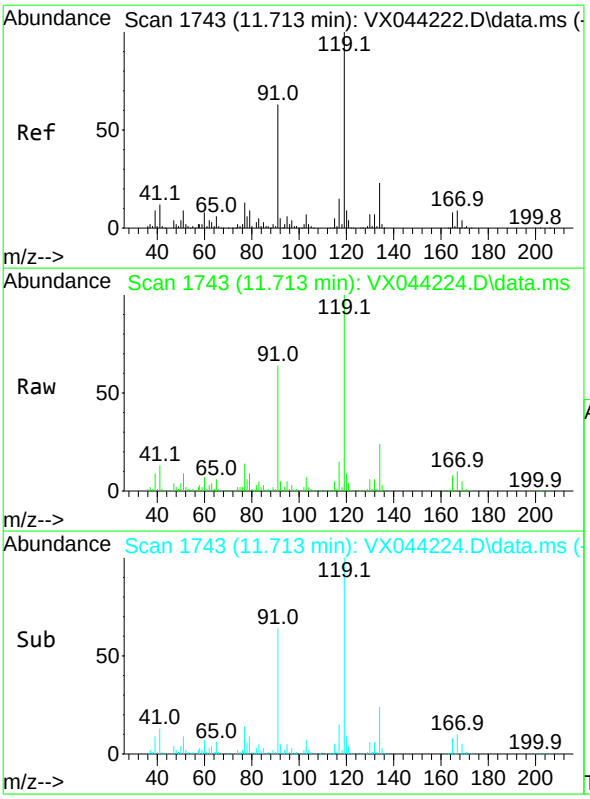




#82
4-Chlorotoluene
Concen: 149.831 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 825278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.5 | 43.5 |

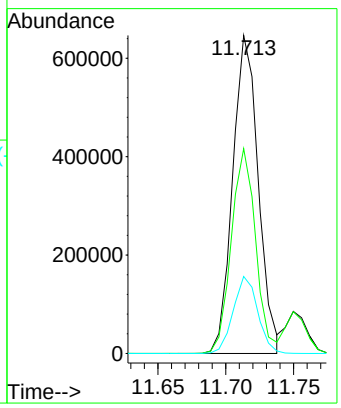





#83
tert-Butylbenzene
Concen: 148.495 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:119 Resp: 846864

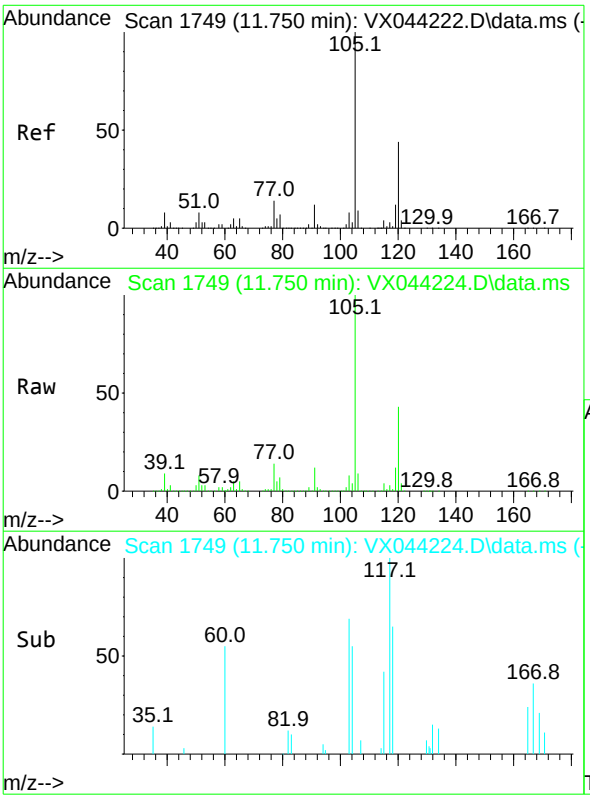
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.3 | 30.9 | 92.5 |
| 134 | 23.3 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

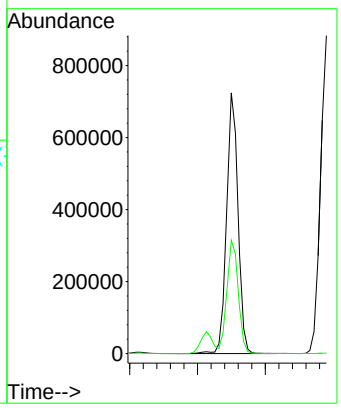
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

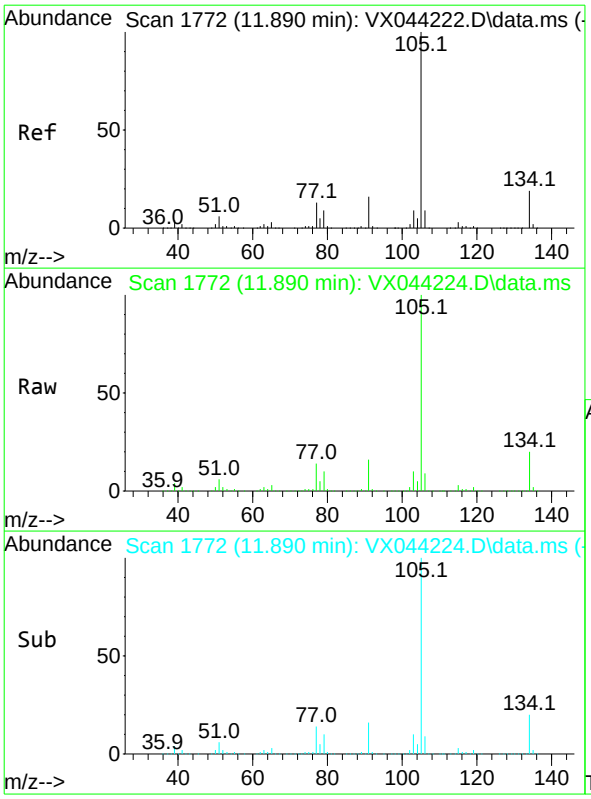



#84
1,2,4-Trimethylbenzene
Concen: 149.414 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 846771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.2 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 149.409 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 1034419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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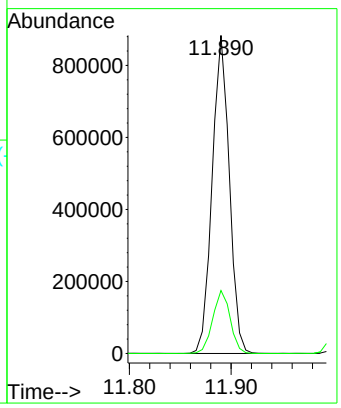
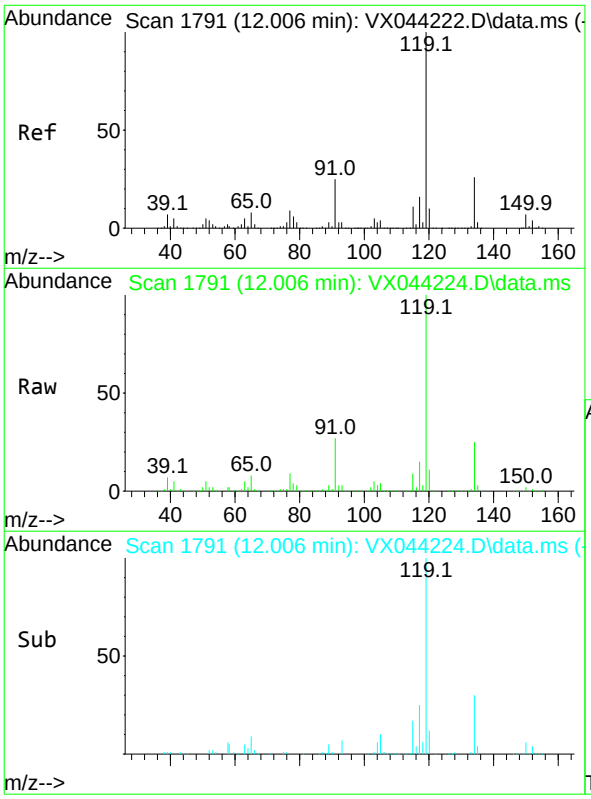
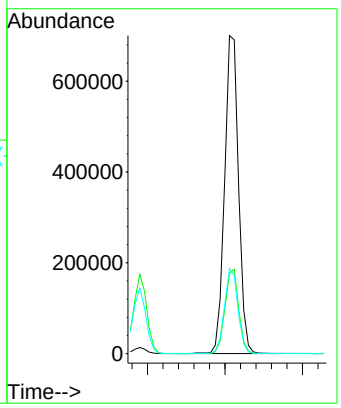


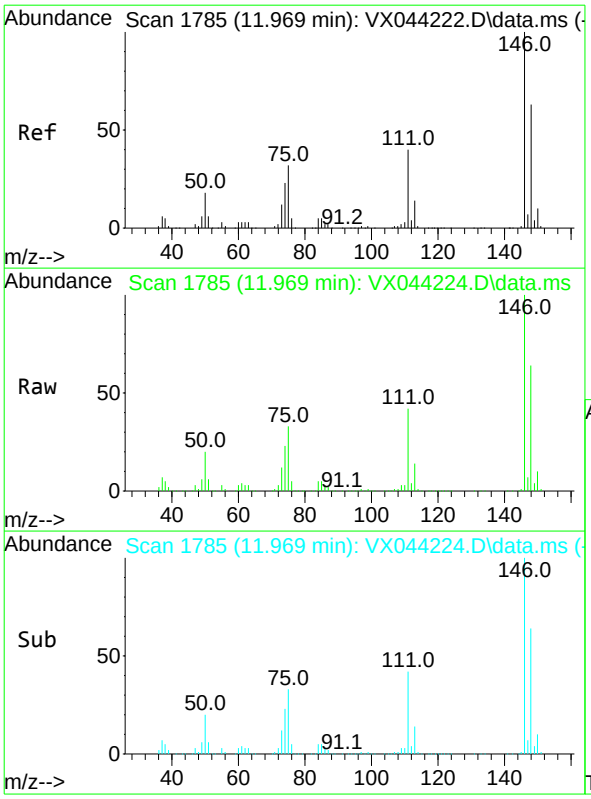




#86
p-Isopropyltoluene
Concen: 151.944 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:119 Resp: 875562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.8 | 38.4 |
| 91 | 25.7 | 13.0 | 39.0 |






#87
1,3-Dichlorobenzene
Concen: 150.575 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

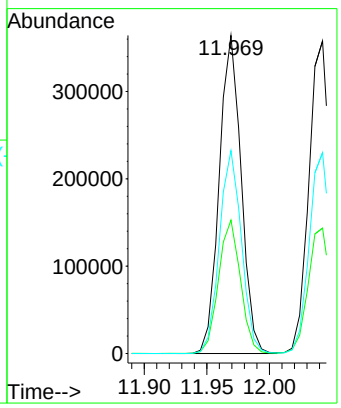
Tgt Ion:146 Resp: 443826

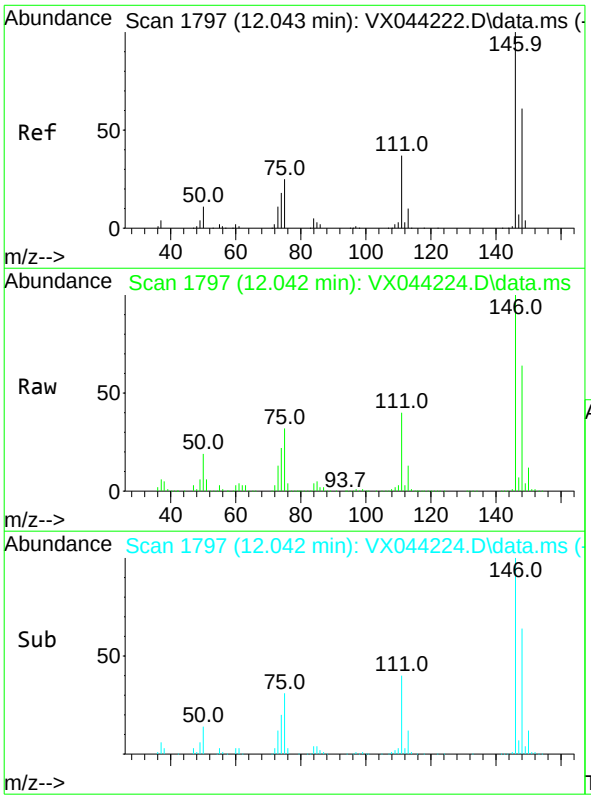
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 21.4 | 64.2 |
| 148 | 64.0 | 31.7 | 95.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

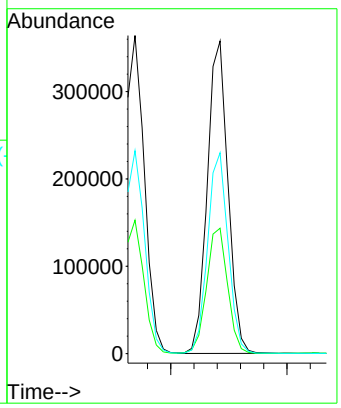


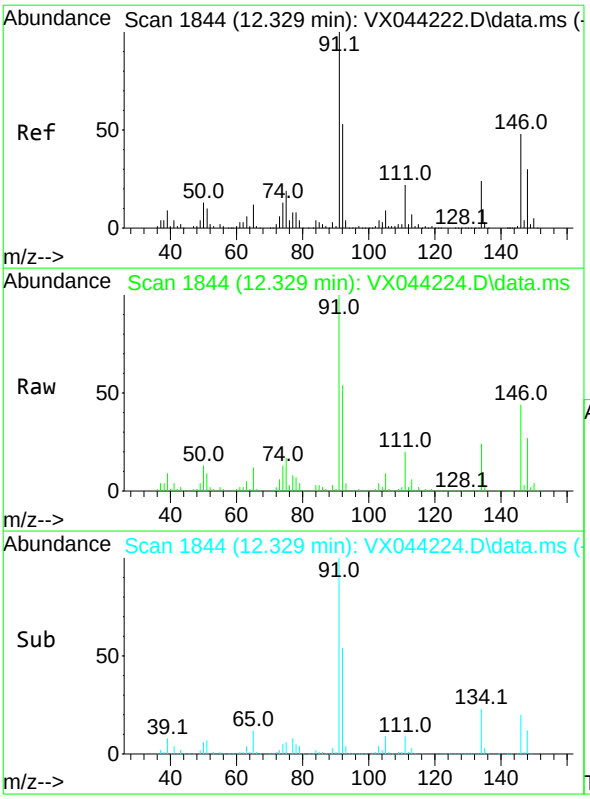




#88
1,4-Dichlorobenzene
Concen: 146.058 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:146 Resp: 442556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 21.0 | 63.0 |
| 148 | 63.7 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 166.836 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

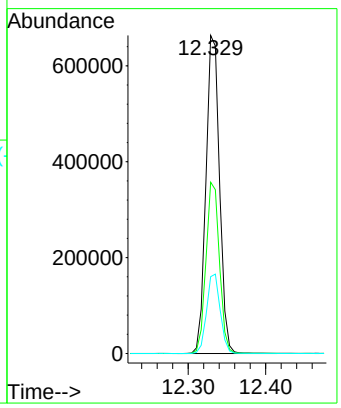
Tgt Ion: 91 Resp: 808399

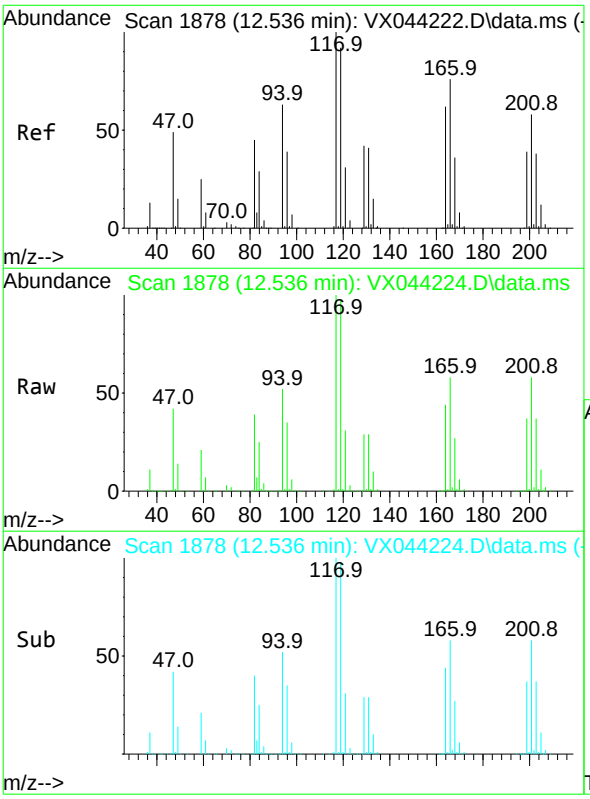
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 26.6 | 79.7 |
| 134 | 25.0 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

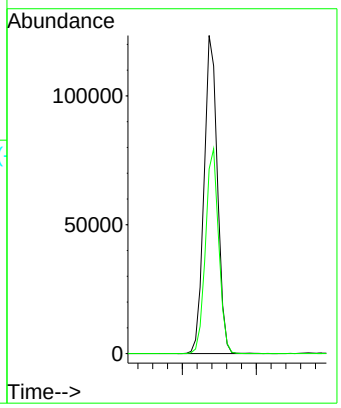


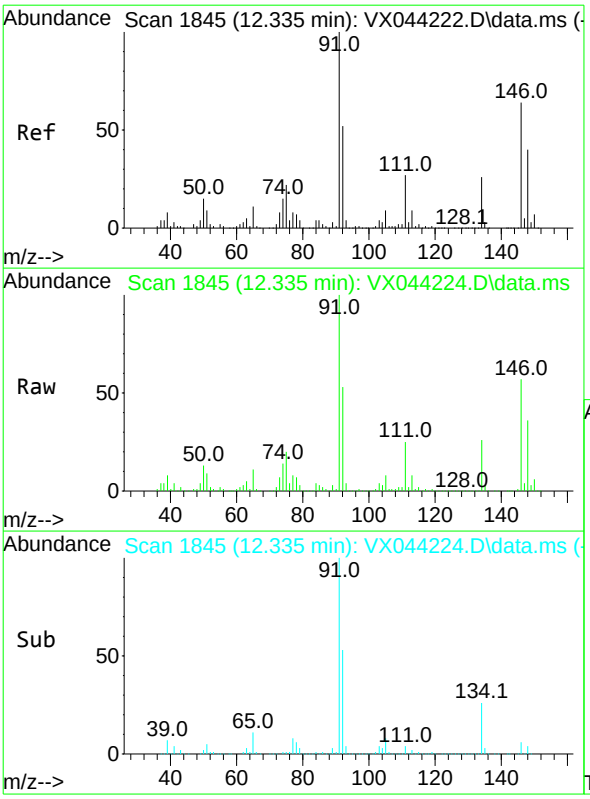




#90
Hexachloroethane
Concen: 183.942 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:117 Resp: 154726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.5 | 31.4 | 94.2 |

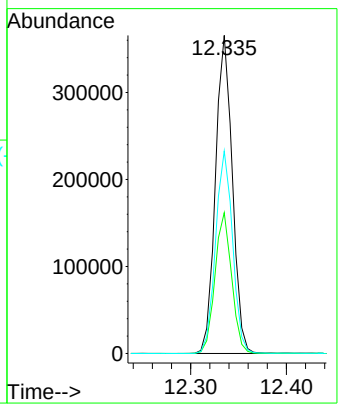





#91
1,2-Dichlorobenzene
Concen: 146.357 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:146 Resp: 447931

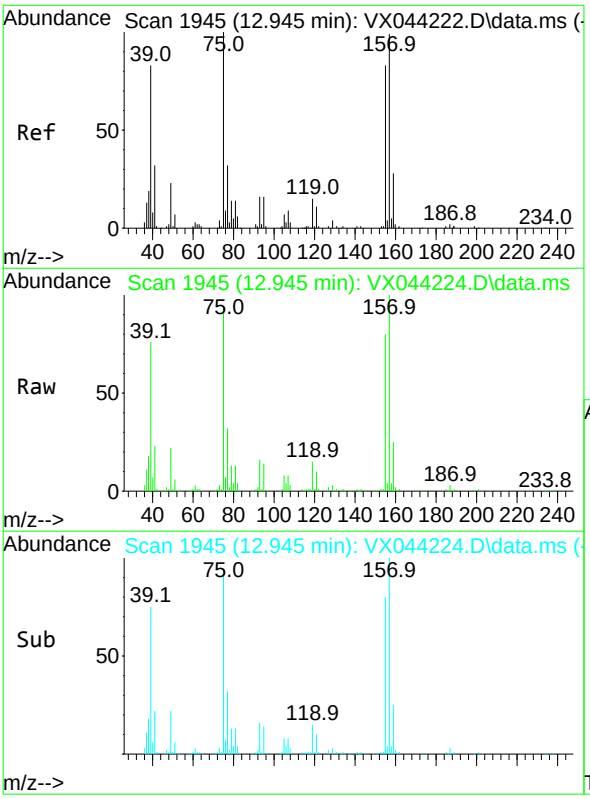
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.7 | 21.4 | 64.3 |
| 148 | 64.2 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

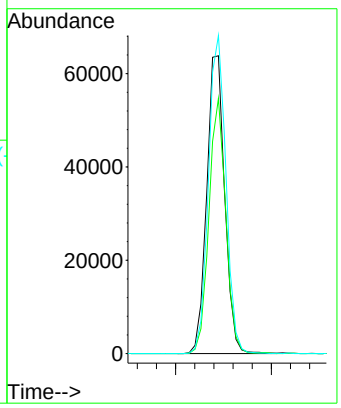
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

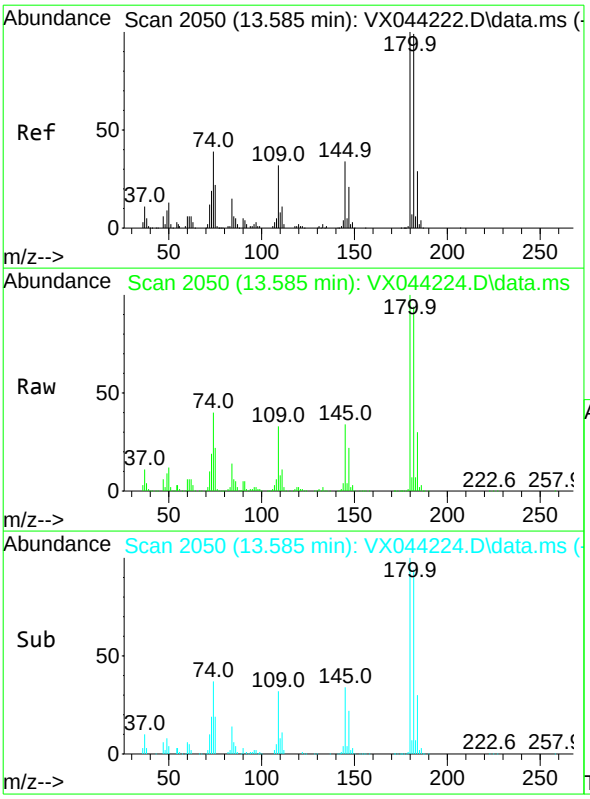



#92
1,2-Dibromo-3-Chloropropane
Concen: 178.106 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 83565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.8 | 38.1 | 114.3 |
| 157 | 103.3 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 171.952 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

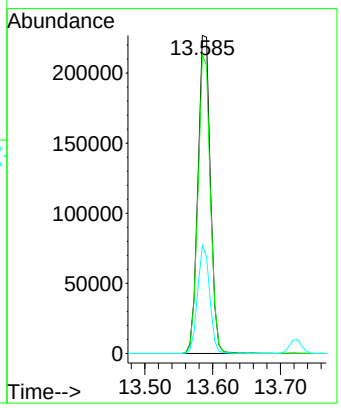
Tgt Ion:180 Resp: 288519

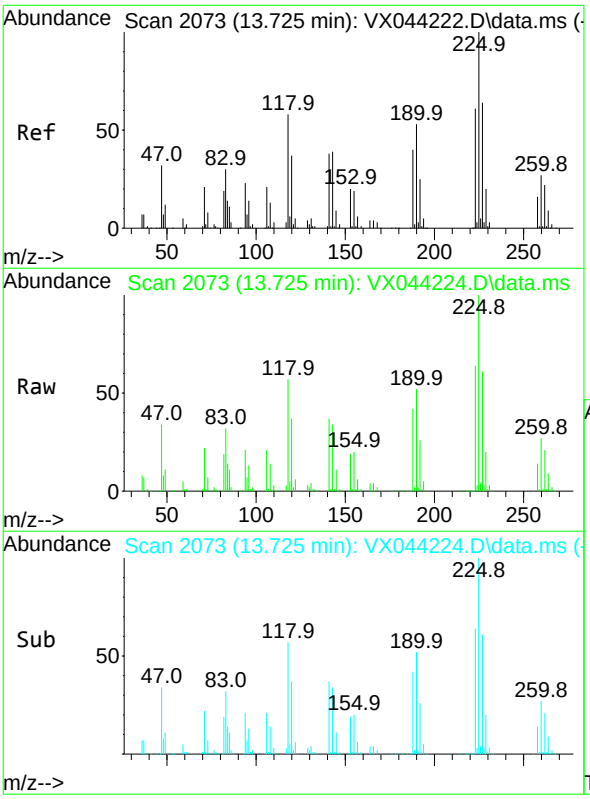
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.3 | 48.0 | 144.2 |
| 145 | 33.0 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

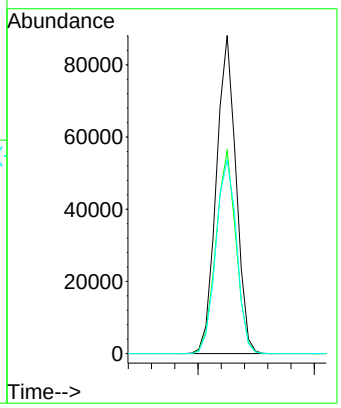


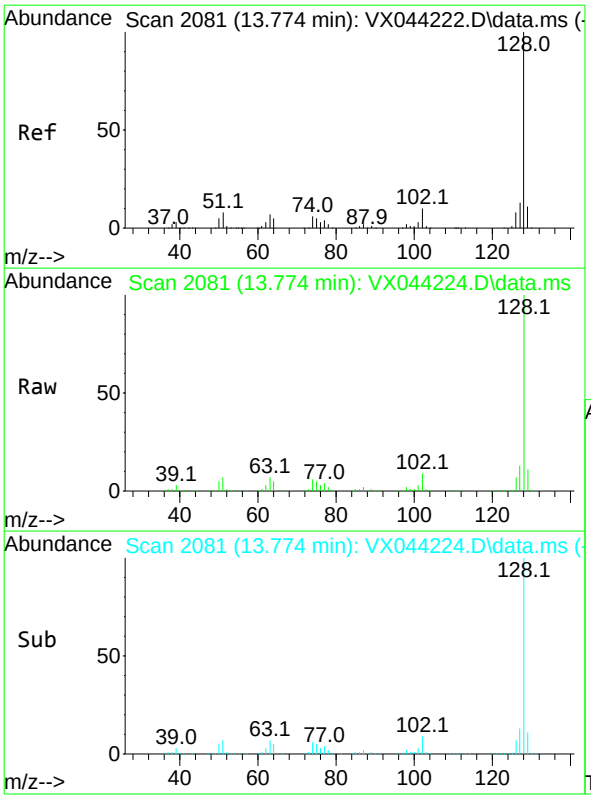




#94
Hexachlorobutadiene
Concen: 154.036 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:225 Resp: 103961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.7 | 30.8 | 92.4 |
| 227 | 64.0 | 32.1 | 96.3 |

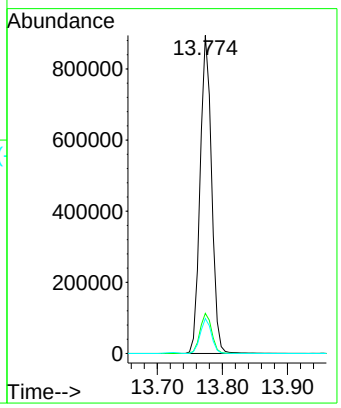





#95
Naphthalene
Concen: 167.187 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:128 Resp: 1094997

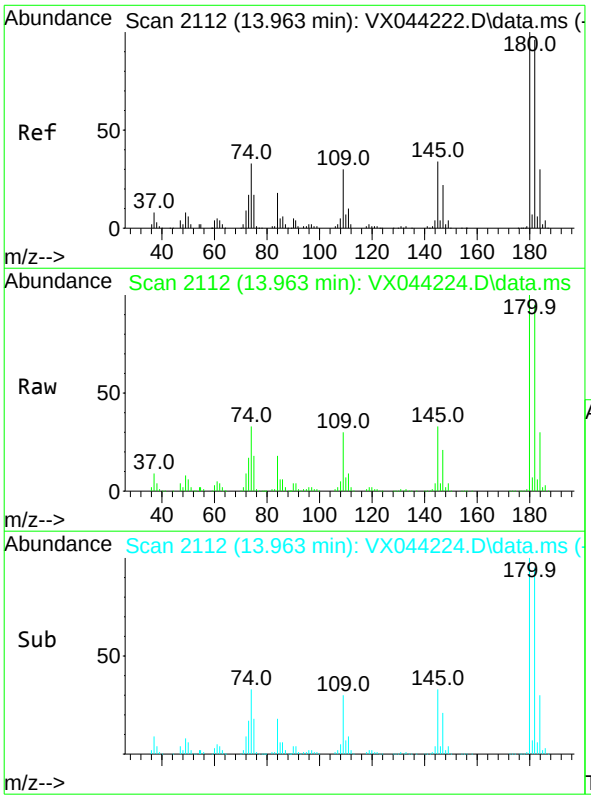
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

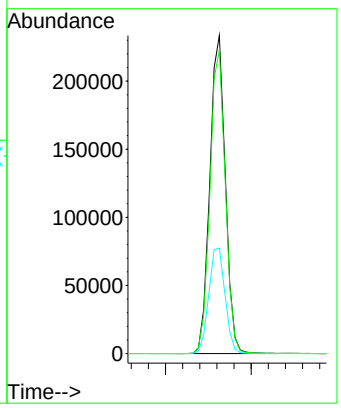
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024




#96
1,2,3-Trichlorobenzene
Concen: 165.064 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:180 Resp: 293760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 48.0 | 144.0 |
| 145 | 34.9 | 17.7 | 53.1 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 134203 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 237295 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 210572 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 99879 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 107407 | 45.646 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.300% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 77619 | 47.228 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.460% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 271508 | 48.968 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 97.940% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 97061 | 50.098 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 104566 | 50.390 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 92633 | 46.681 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 97702 | 47.260 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 67357 | 45.926 | ug/l | 99 |
| 6) Chloroethane | 1.666 | 64 | 62821 | 48.801 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 203619 | 50.311 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 63075 | 45.658 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 82498 | 50.374 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 100043 | 46.349 | ug/l | 100 |
| 11) Tert butyl alcohol | 3.001 | 59 | 77494 | 233.680 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 74177 | 49.311 | ug/l | 99 |
| 13) Acrolein | 2.233 | 56 | 111927 | 233.162 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 124635 | 49.744 | ug/l | 100 |
| 15) Acrylonitrile | 3.068 | 53 | 221037 | 240.620 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 260267 | 271.312 | ug/l | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 149824 | 52.397 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 115569 | 46.725 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 281413 | 47.940 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 83188 | 46.170 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 77471 | 48.459 | ug/l | 98 |
| 22) Diisopropyl ether | 3.763 | 45 | 264732 | 46.922 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1185779 | 258.510 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 151134 | 48.056 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 346052 | 253.747 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 140196 | 54.872 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 94838 | 46.709 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 69139 | 44.832 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 208362 | 238.031 | ug/l | 98 |
| 30) Chloroform | 5.092 | 83 | 163372 | 46.235 | ug/l | 94 |
| 31) Cyclohexane | 5.458 | 56 | 125567 | 49.443 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 146348 | 49.895 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 106889 | 50.314 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 137017 | 52.176 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 118390 | 51.763 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 139077 | 54.761 | ug/l | 99 |
| 40) Benzene | 6.031 | 78 | 316391 | 49.052 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 68251 | 48.945 ug/l | 98 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 132744 | 49.960 ug/l | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 211889 | 51.624 ug/l | 100 |
| 44) Trichloroethene | 7.123 | 130 | 80008 | 49.741 ug/l | 98 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 78321 | 47.528 ug/l | 98 |
| 46) Dibromomethane | 7.574 | 93 | 65491 | 51.227 ug/l | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 116783 | 52.893 ug/l | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 101318 | 50.852 ug/l | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 30522m | 923.966 ug/l | |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 673069 | 255.038 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 199281 | 49.199 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 120696 | 50.864 ug/l | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 128875 | 53.607 ug/l | 96 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 81362 | 50.562 ug/l | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 134357 | 52.890 ug/l | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 137705 | 49.165 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 332599 | 259.586 ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 519476 | 271.943 ug/l | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 83515 | 49.073 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 85024 | 51.909 ug/l | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 66669 | 47.702 ug/l | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 217180 | 48.133 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 74531 | 51.396 ug/l | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 385605 | 49.461 ug/l | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 285774 | 99.896 ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 144001 | 49.750 ug/l | 98 |
| 70) Styrene | 10.652 | 104 | 239508 | 51.617 ug/l | 98 |
| 71) Bromoform | 10.799 | 173 | 50972 | 50.269 ug/l # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 374769 | 49.014 ug/l | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 183763 | 52.003 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 126615 | 47.676 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 103796m | 46.544 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 87767 | 47.335 ug/l | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 429443 | 50.816 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 259860 | 47.546 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 313435 | 49.431 ug/l | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 37038 | 47.861 ug/l | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 297641 | 49.178 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 309463 | 49.384 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 313433 | 50.333 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 381109 | 50.097 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 320882 | 50.678 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 159094 | 49.122 ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 160742 | 48.280 ug/l | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 283284 | 53.207 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 48734 | 52.727 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 160039 | 47.589 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 26738 | 51.864 ug/l | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 99449 | 53.940 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 37651 | 50.770 ug/l | 98 |
| 95) Naphthalene | 13.774 | 128 | 365781 | 50.827 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 100209 | 51.244 ug/l | 99 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

ICAL Form

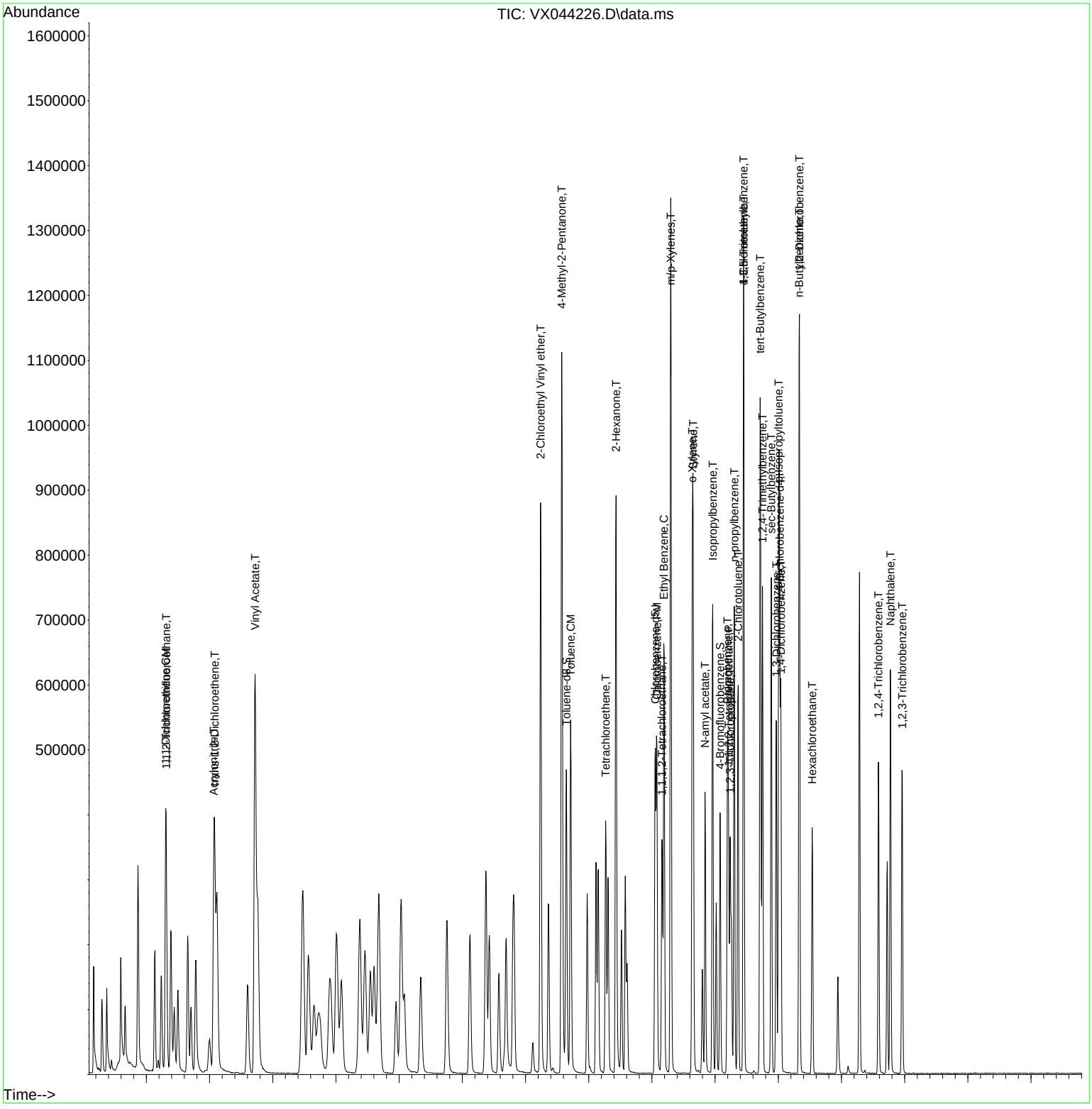
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

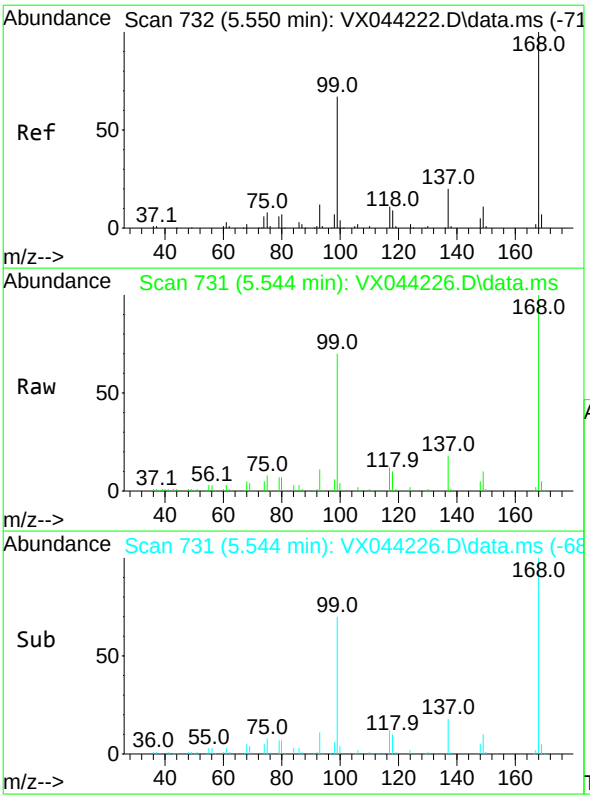
Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

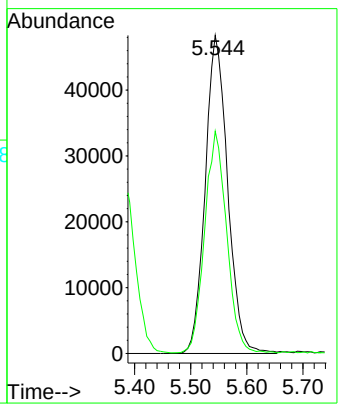





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:168 Resp: 134203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 69.7 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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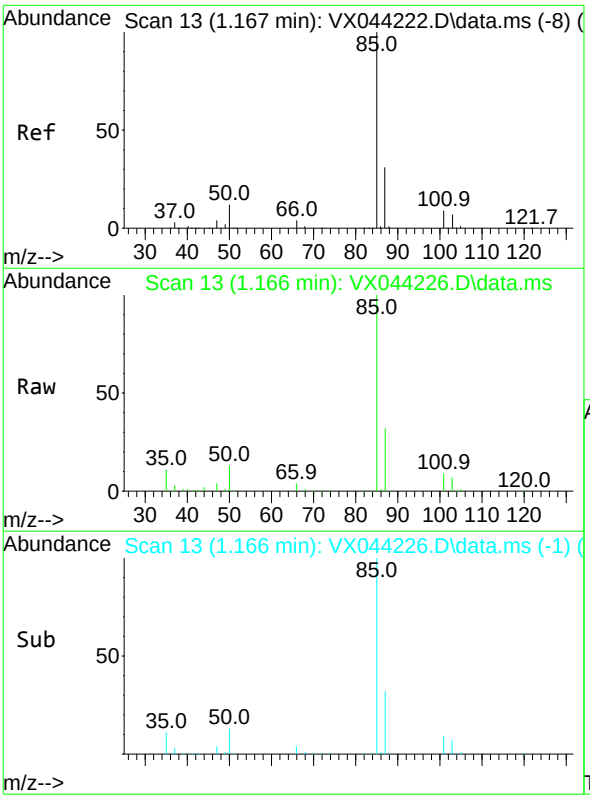
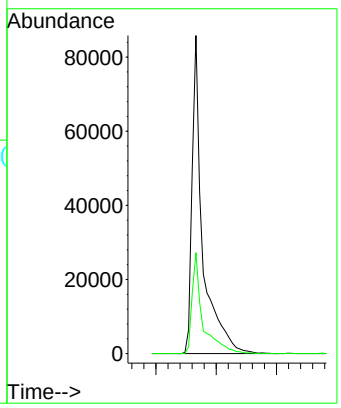
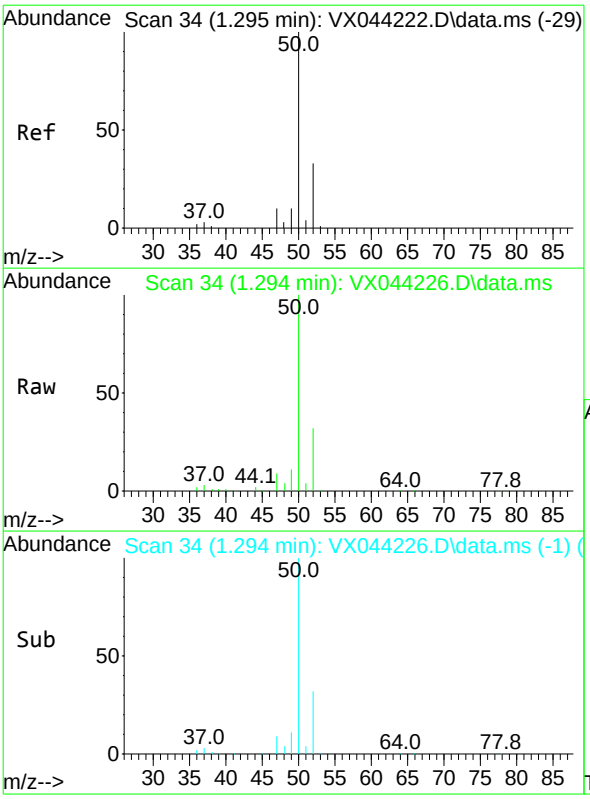



#2
Dichlorodifluoromethane
Concen: 50.390 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 85 Resp: 104566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.4 | 46.4 |

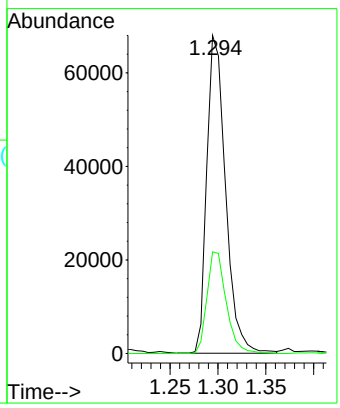





#3
Chloromethane
Concen: 46.681 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 50 Resp: 92633

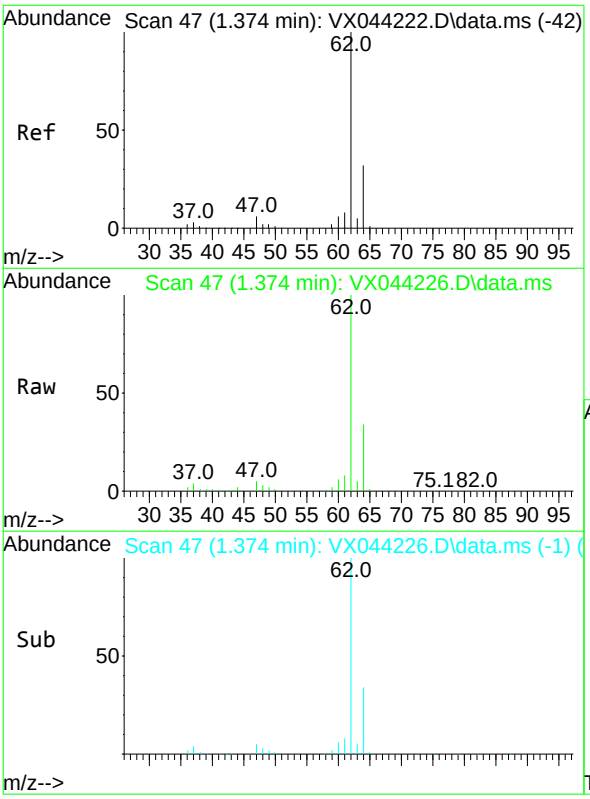
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations APPROVED**

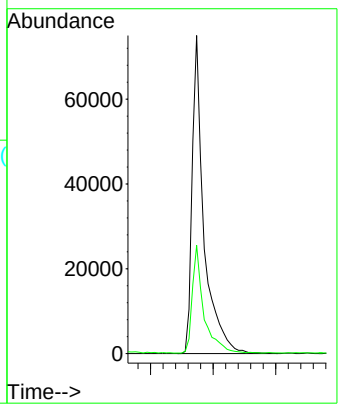
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

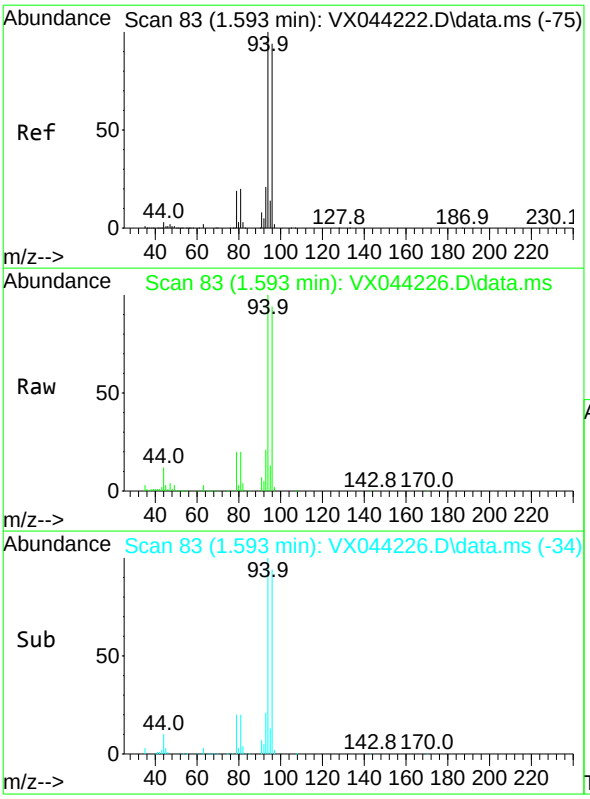



#4
Vinyl Chloride
Concen: 47.260 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 62 Resp: 97702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.9 | 25.7 | 38.5 |

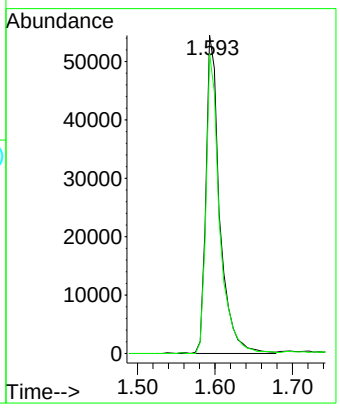





#5
Bromomethane
Concen: 45.926 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 94 Resp: 67357

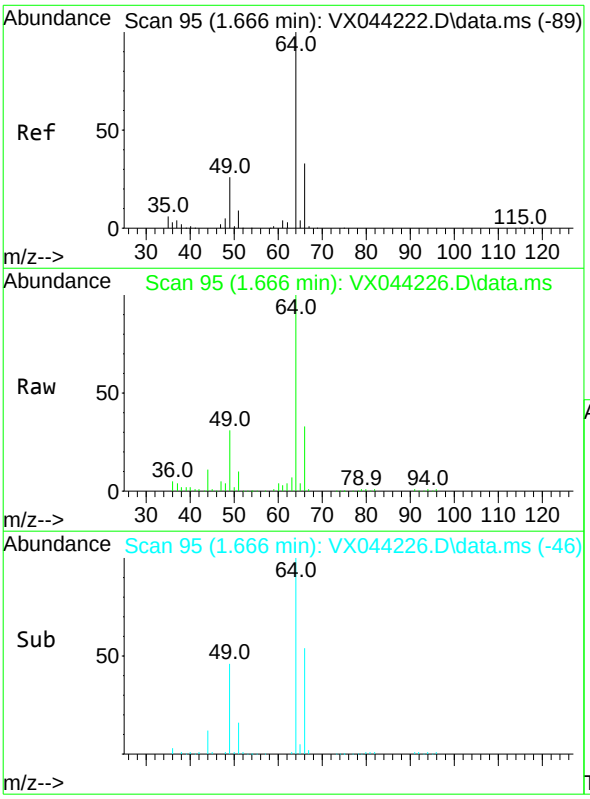
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.2 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

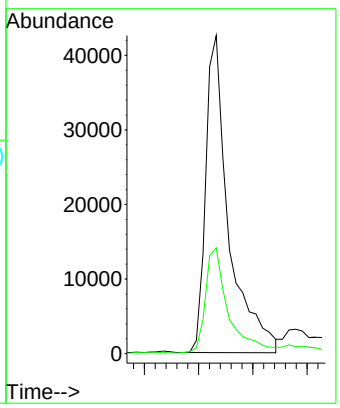
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

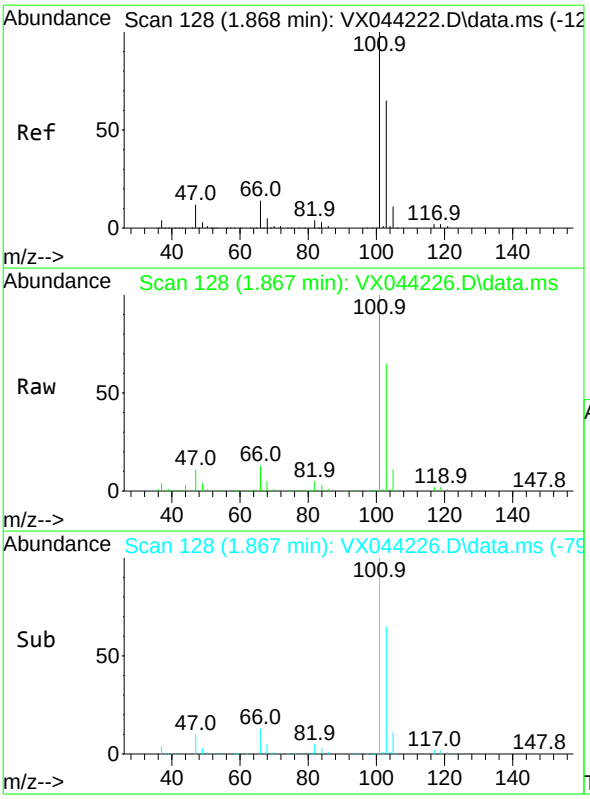



#6
Chloroethane
Concen: 48.801 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 64 Resp: 62821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.2 | 26.6 | 39.8 |

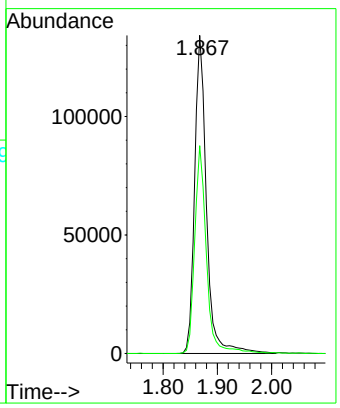





#7
Trichlorofluoromethane
Concen: 50.311 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:101 Resp: 203619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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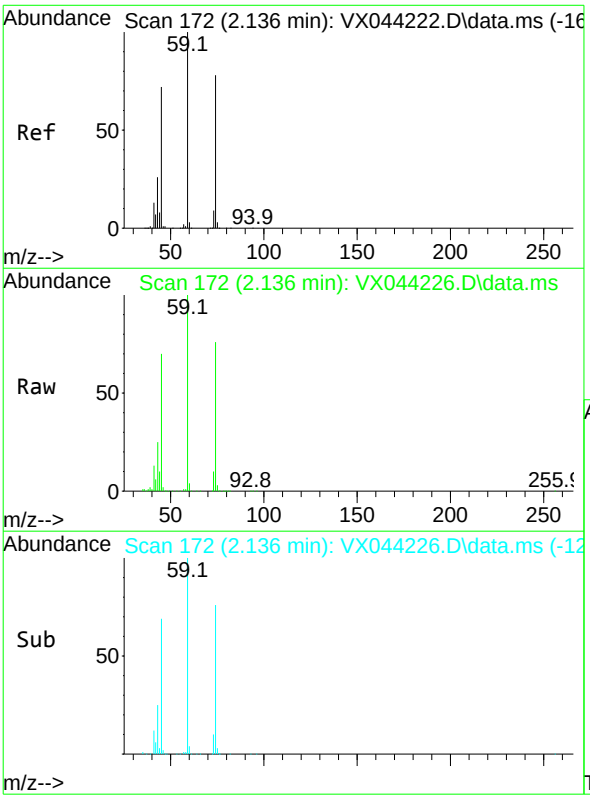
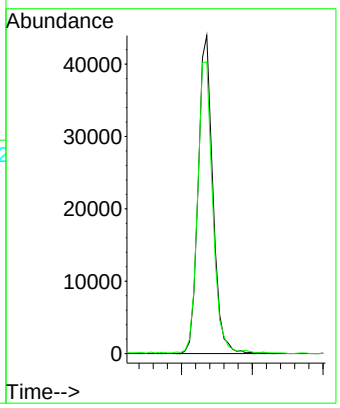
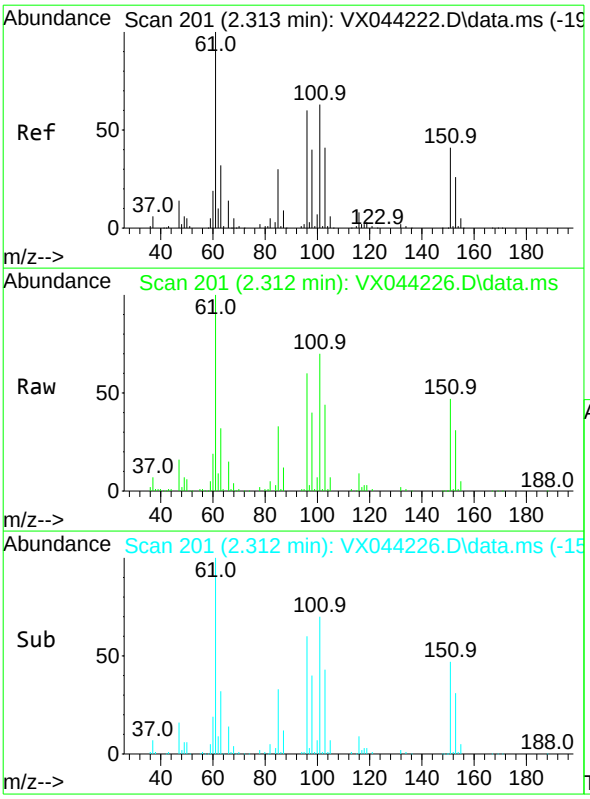



#8
Diethyl Ether
Concen: 45.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 74 Resp: 63075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 94.4 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.374 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

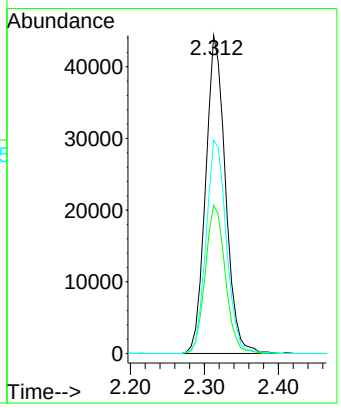
Tgt Ion:101 Resp: 82498

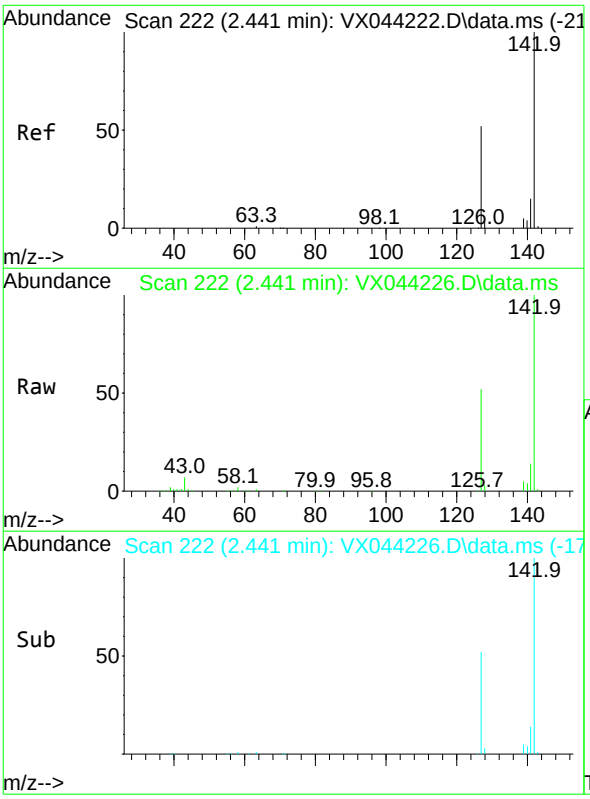
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.1 | 38.5 | 57.7 |
| 151 | 68.6 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

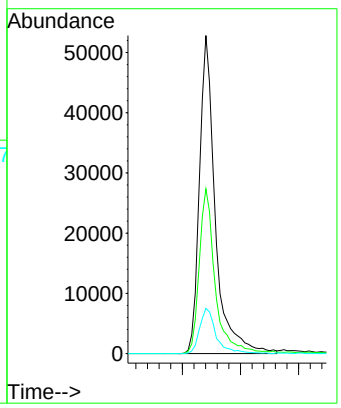


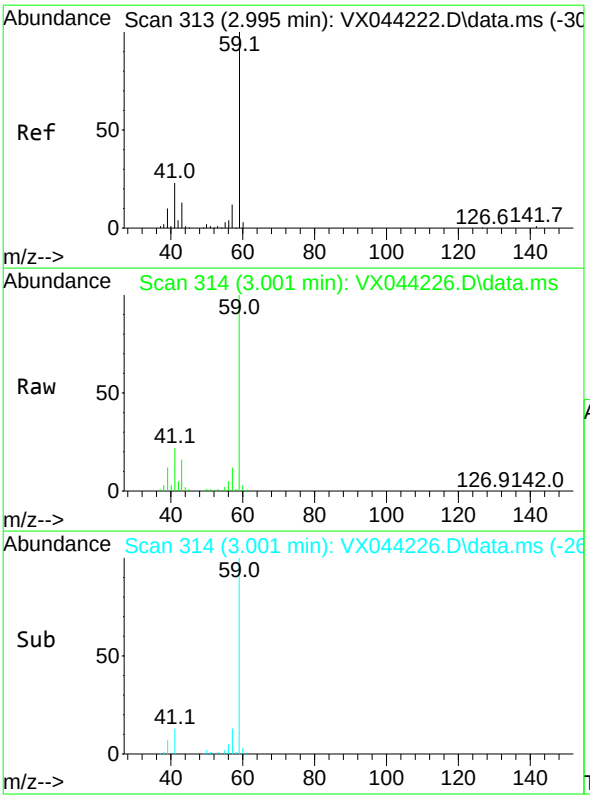




#10
Methyl Iodide
Concen: 46.349 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:142 Resp: 100043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.3 | 41.8 | 62.8 |
| 141 | 14.8 | 11.5 | 17.3 |

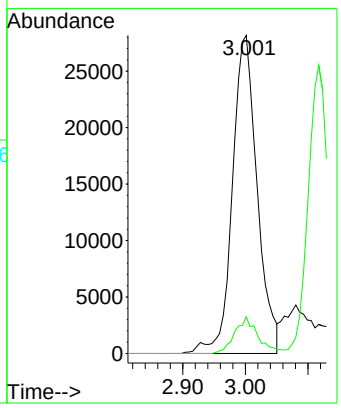





#11
Tert butyl alcohol
Concen: 233.680 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 59 Resp: 77494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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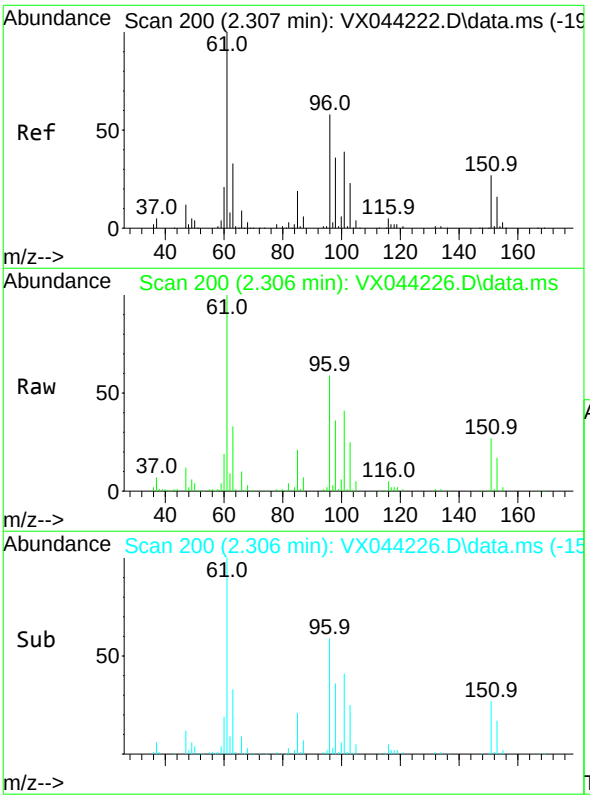
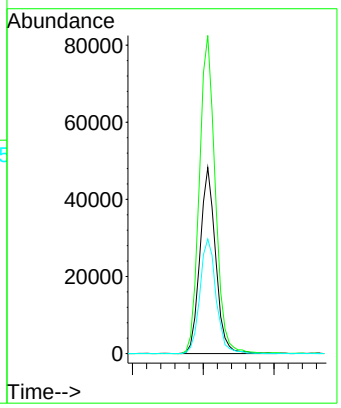
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

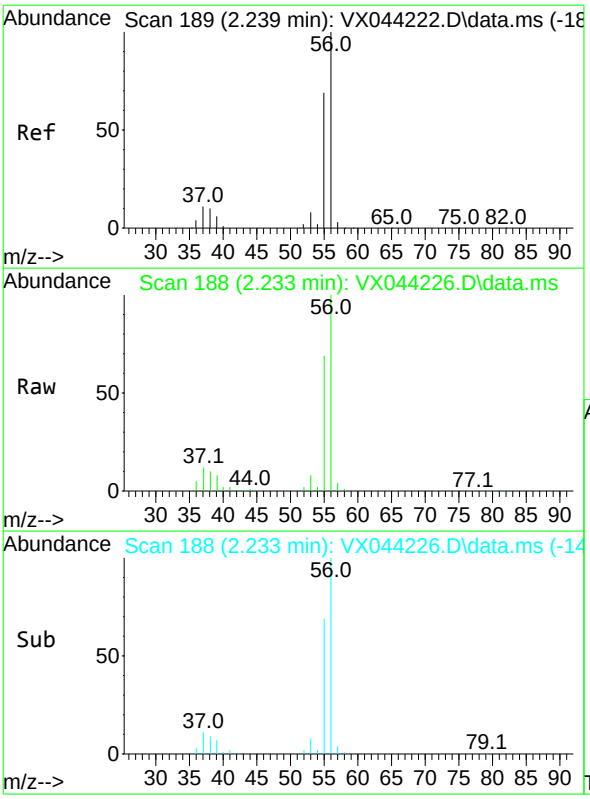



#12
1,1-Dichloroethene
Concen: 49.311 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 96 Resp: 74177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 170.9 | 138.0 | 207.0 |
| 98 | 61.6 | 50.0 | 75.0 |

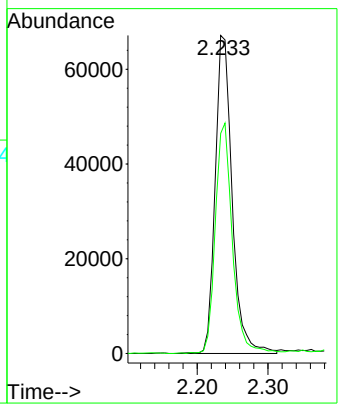





#13
Acrolein
Concen: 233.162 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 56 Resp: 111927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.8 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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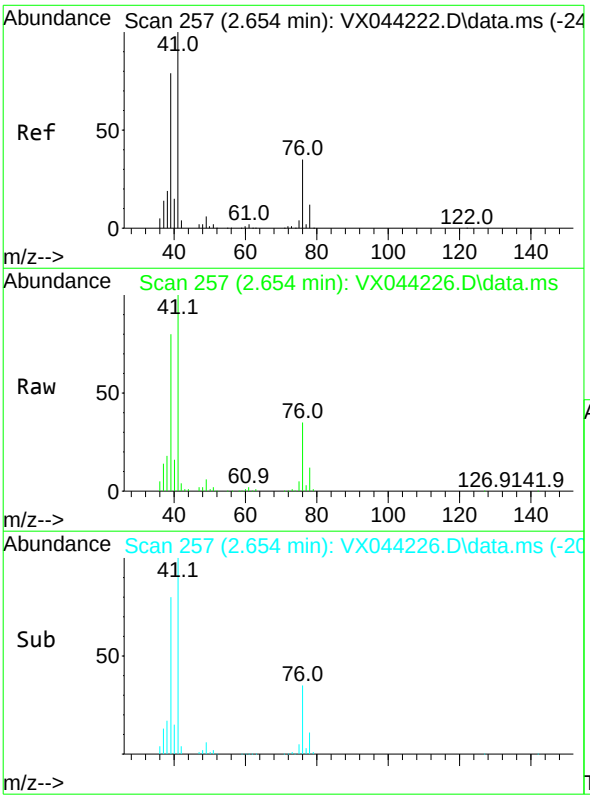
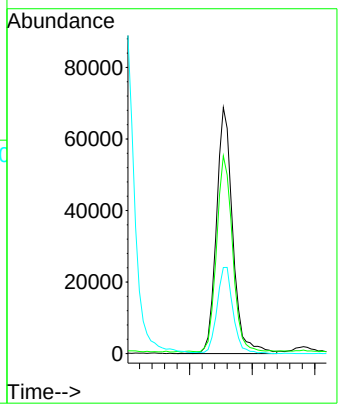
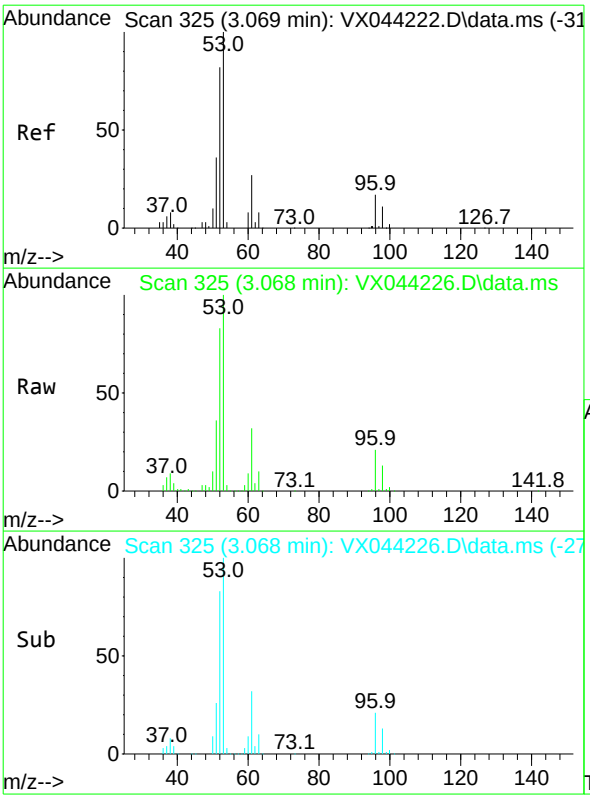



#14
Allyl chloride
Concen: 49.744 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 124635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.3 | 61.9 | 92.9 |
| 76 | 34.4 | 27.4 | 41.2 |






#15
Acrylonitrile
Concen: 240.620 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 53 Resp: 221037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.3 | 67.4 | 101.0 |
| 51 | 37.6 | 30.3 | 45.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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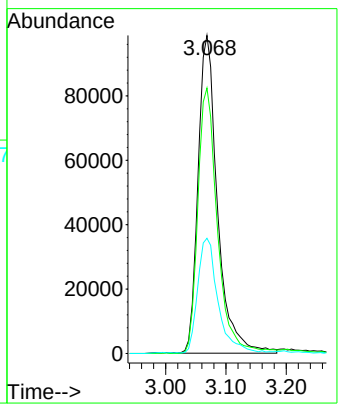
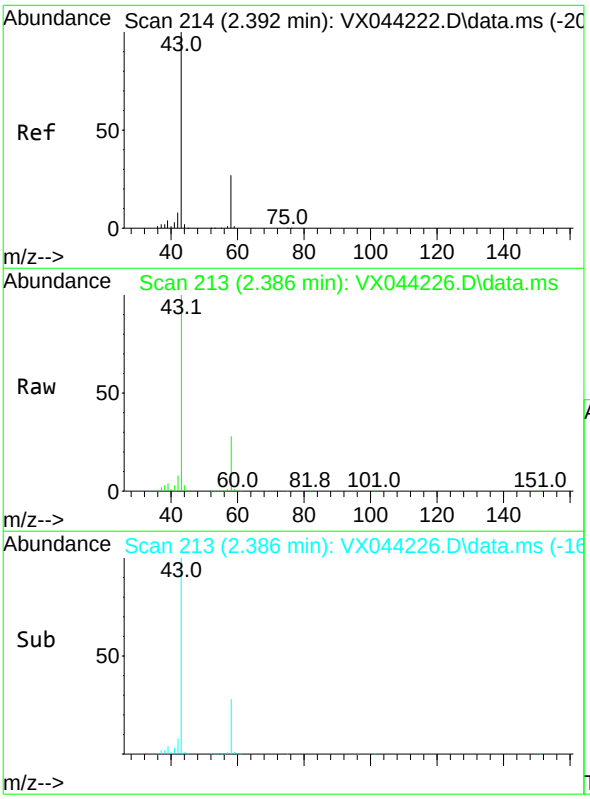
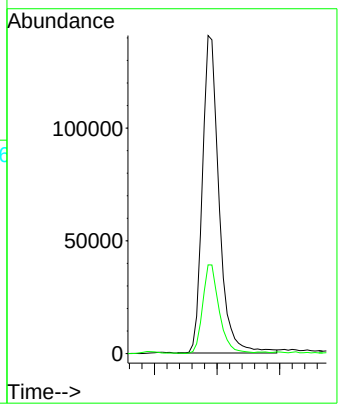


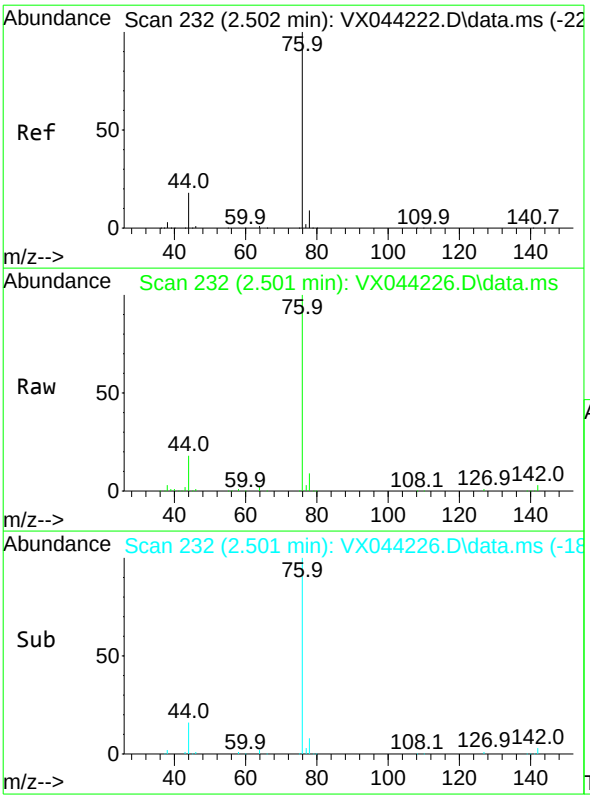




#16
Acetone
Concen: 271.312 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 260267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 21.6 | 32.4 |

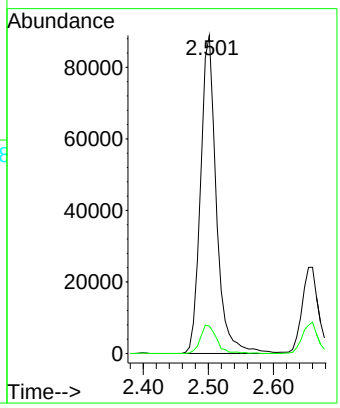





#17
Carbon Disulfide
Concen: 52.397 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 76 Resp: 149824

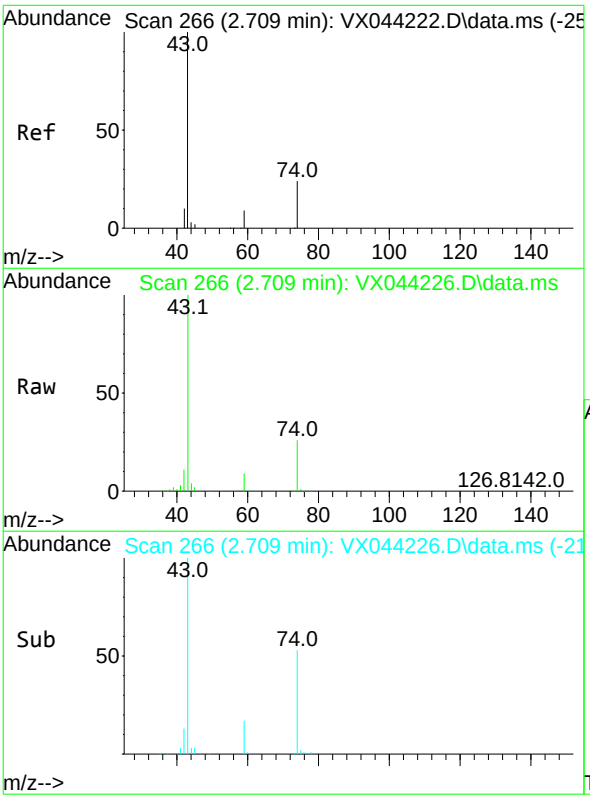
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

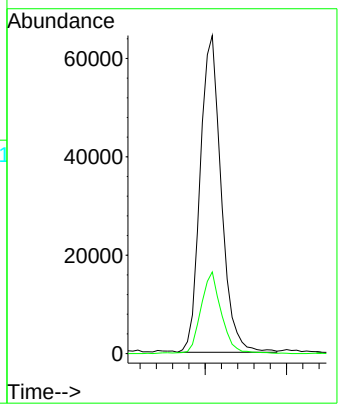
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

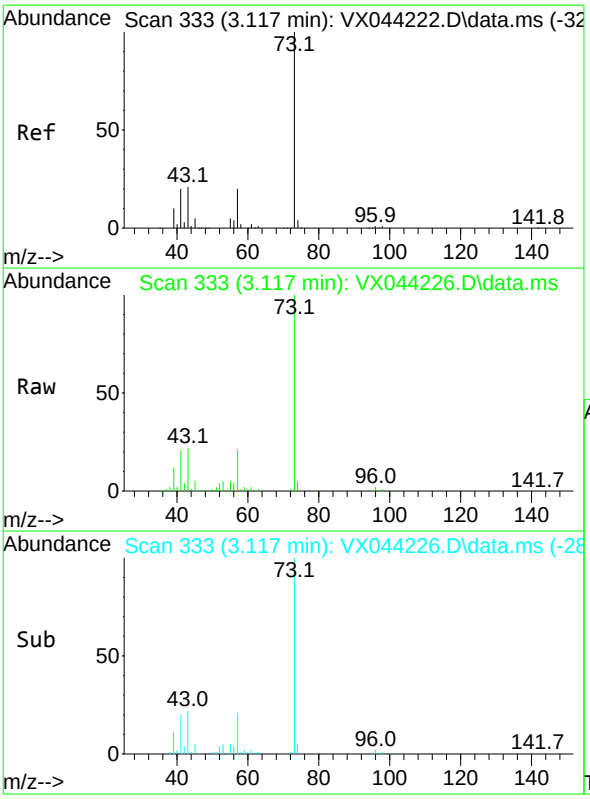



#18
Methyl Acetate
Concen: 46.725 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 115569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.3 | 17.7 | 26.5 |

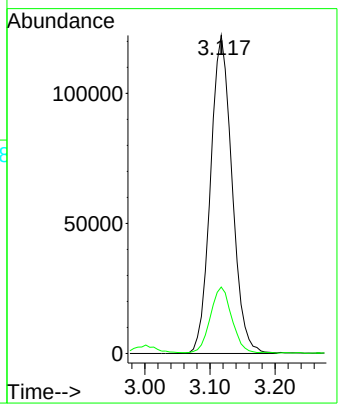





#19
Methyl tert-butyl Ether
Concen: 47.940 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 73 Resp: 281413

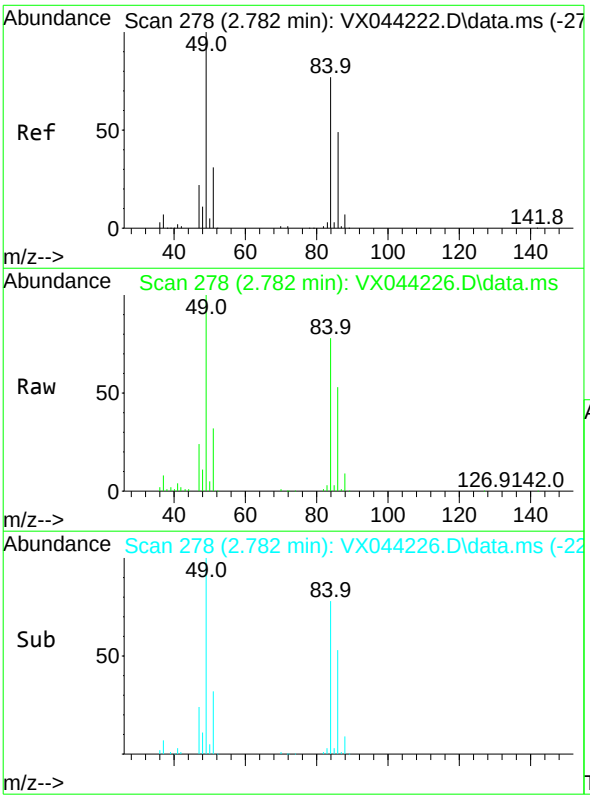
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.8 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

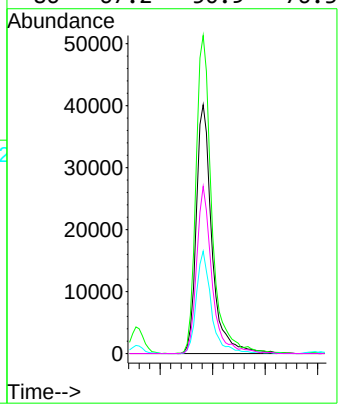
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

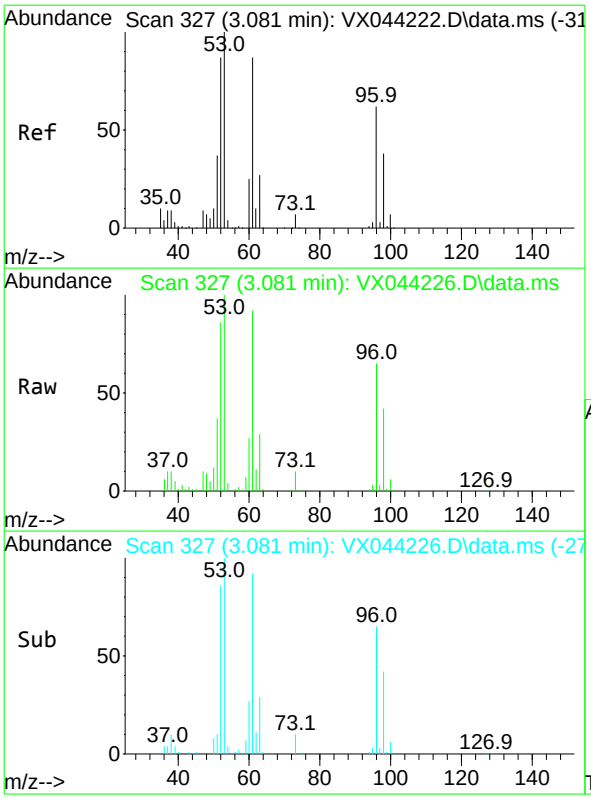



#20
Methylene Chloride
Concen: 46.170 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 84 Resp: 83188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.6 | 104.2 | 156.4 |
| 51 | 41.1 | 32.2 | 48.4 |
| 86 | 67.2 | 50.9 | 76.3 |

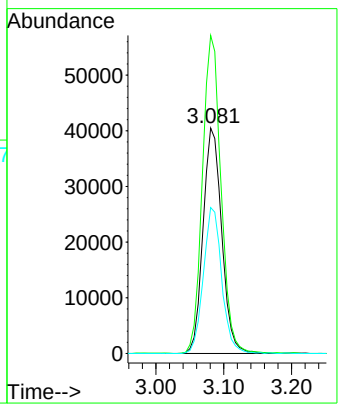





#21
trans-1,2-Dichloroethene
Concen: 48.459 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 96 Resp: 77471

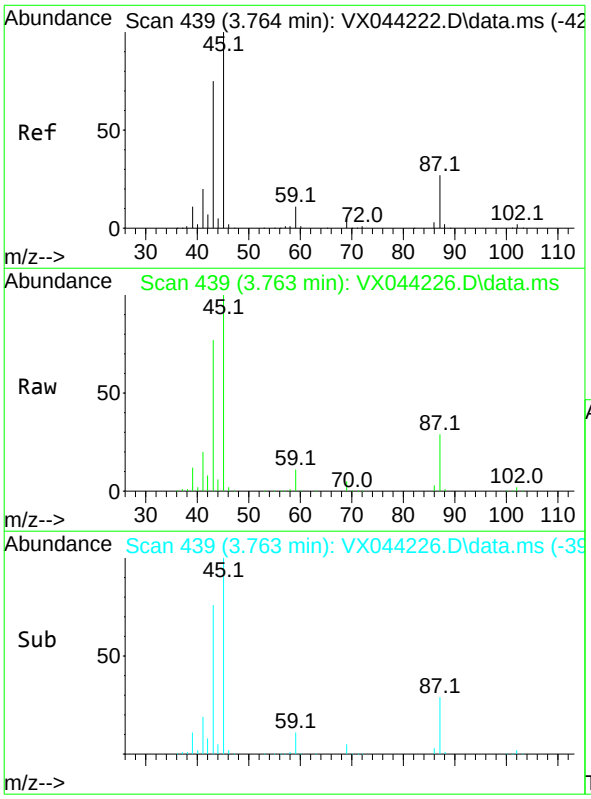
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.0 | 112.0 | 168.0 |
| 98 | 64.7 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

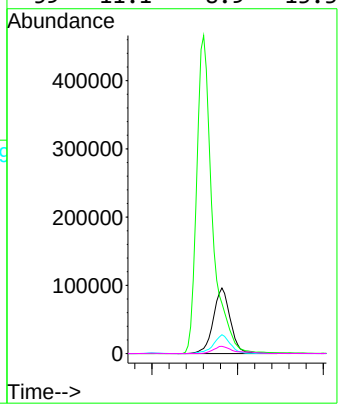
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

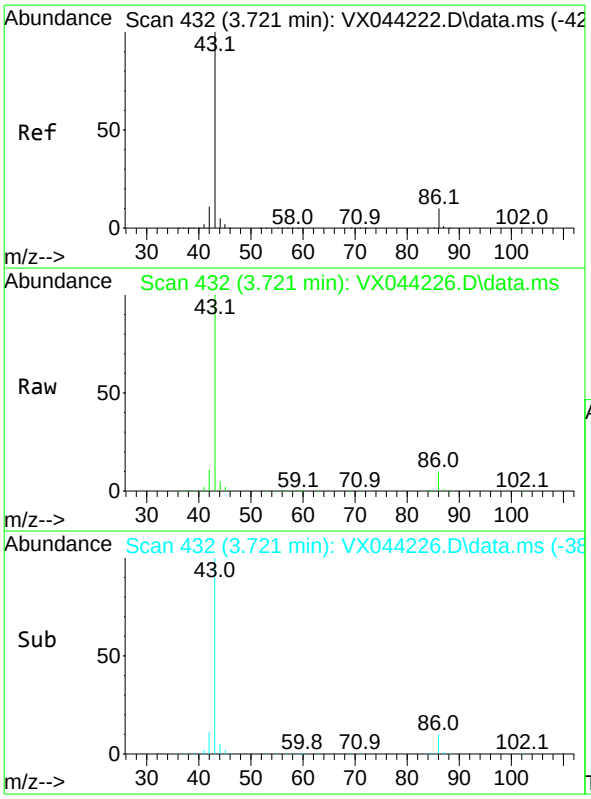



#22
Diisopropyl ether
Concen: 46.922 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 45 Resp: 264732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 76.6 | 60.2 | 90.2 |
| 87 | 28.8 | 21.2 | 31.8 |
| 59 | 11.1 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 258.510 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 1185779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.4 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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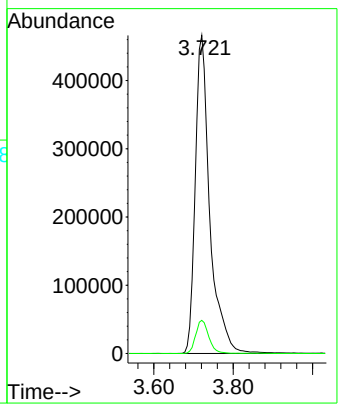
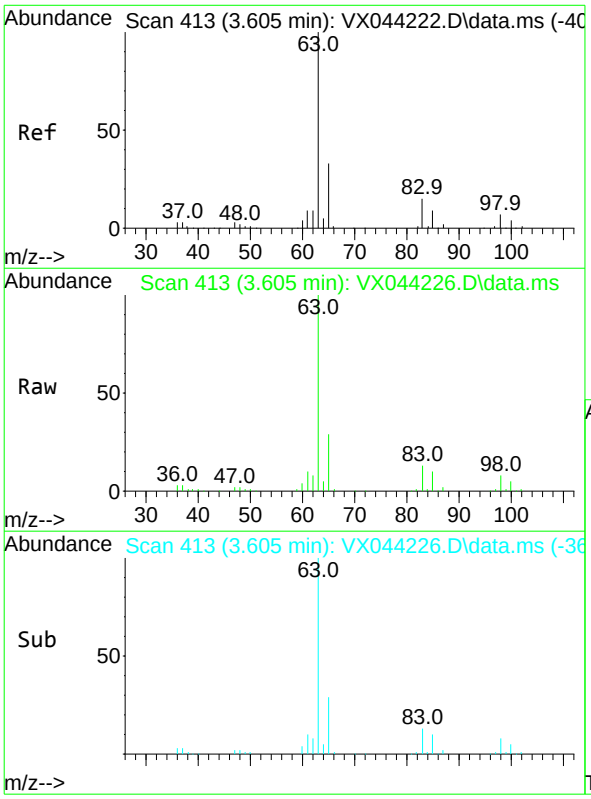
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

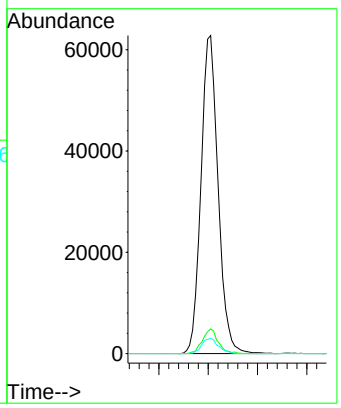


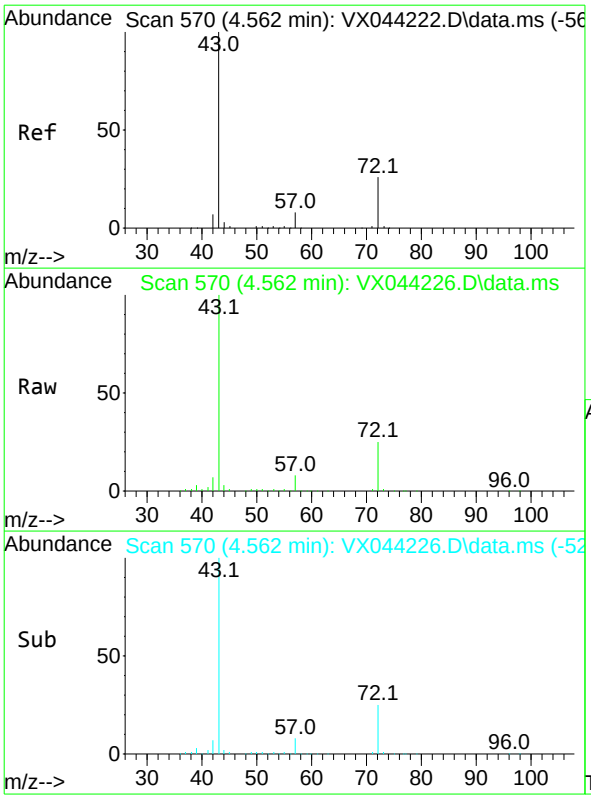




#24
1,1-Dichloroethane
Concen: 48.056 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 151134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 3.6 | 10.8 |
| 100 | 4.8 | 2.1 | 6.3 |

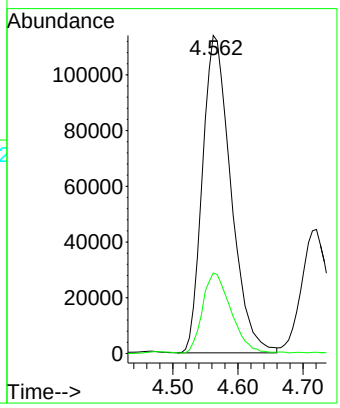





#25
2-Butanone
Concen: 253.747 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 346052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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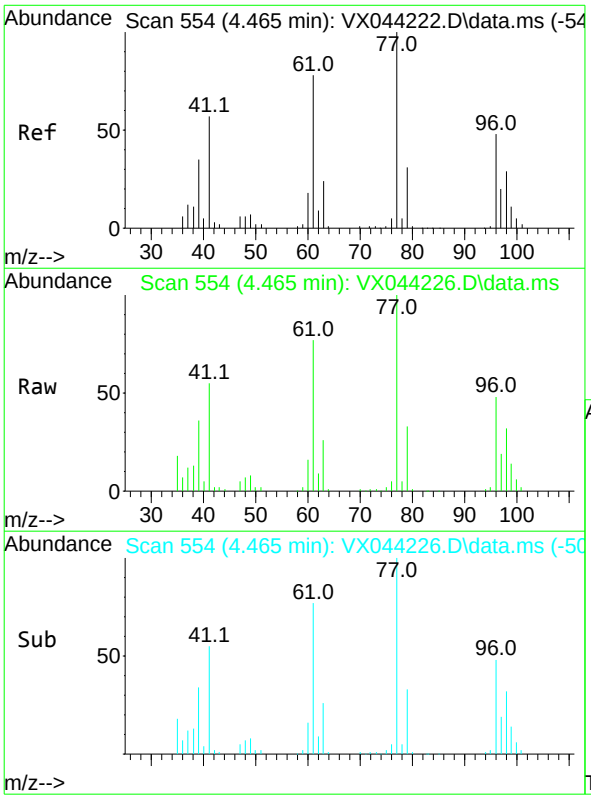
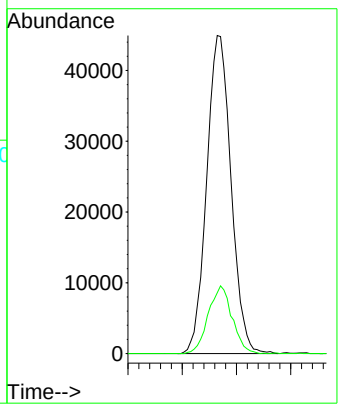
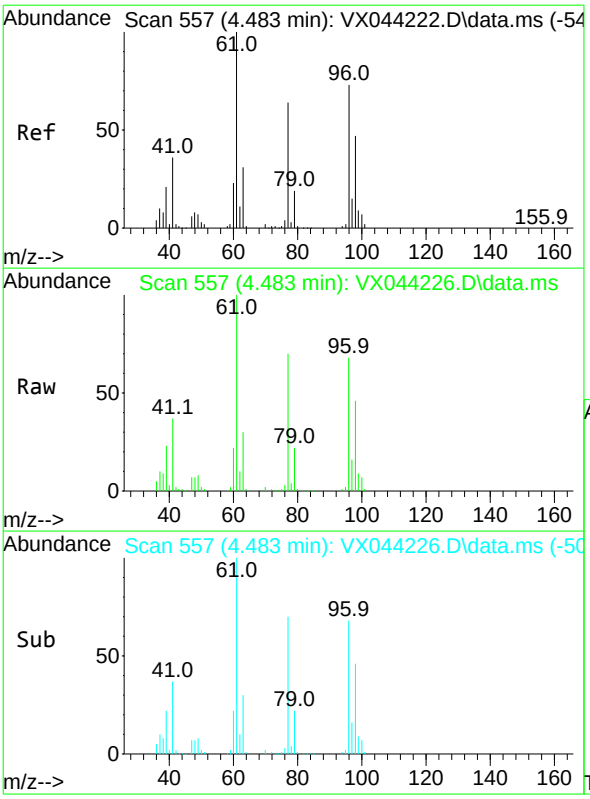



#26
2,2-Dichloropropane
Concen: 54.872 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 77 Resp: 140196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 20.8 | 10.7 | 32.1 |






#27
cis-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 96 Resp: 94838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.7 | 0.0 | 299.0 |
| 98 | 64.9 | 0.0 | 129.0 |

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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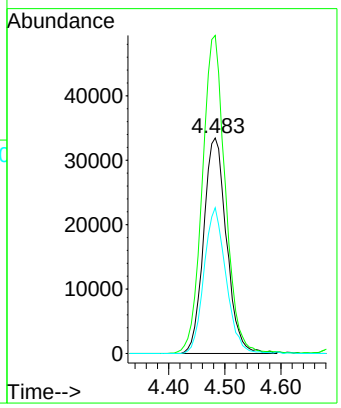
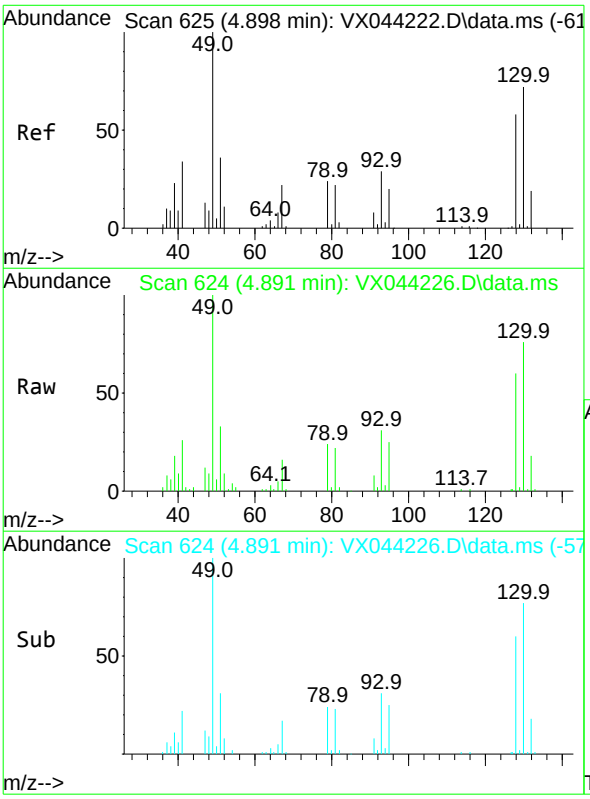
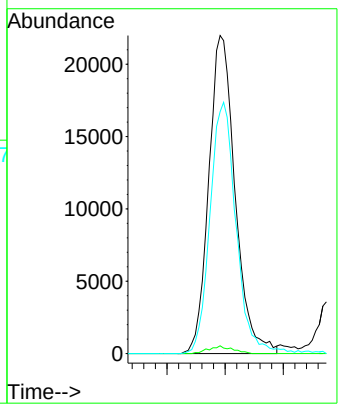


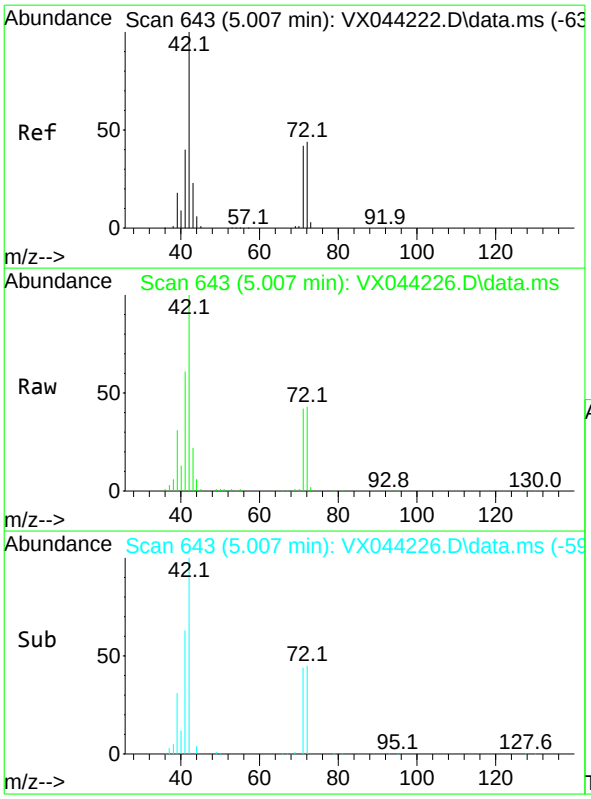




#28
Bromochloromethane
Concen: 44.832 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 49 Resp: 69139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.2 |
| 130 | 78.1 | 62.1 | 93.1 |

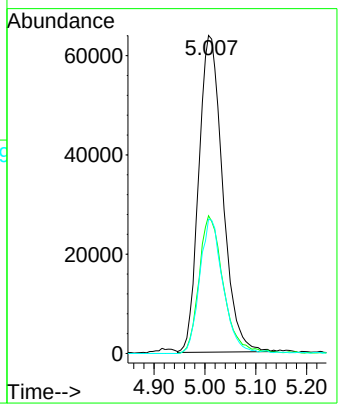





#29
Tetrahydrofuran
Concen: 238.031 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 42 Resp: 208362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.2 | 37.0 | 55.6 |
| 71 | 41.5 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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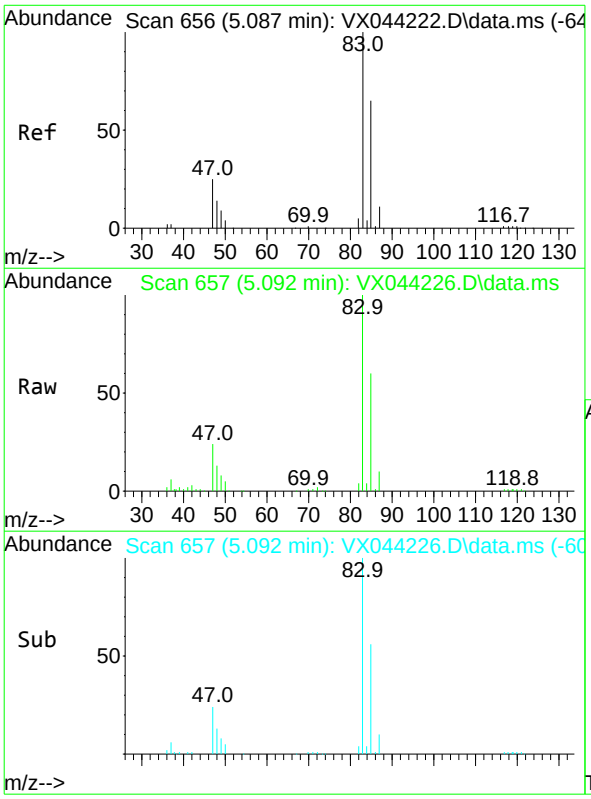
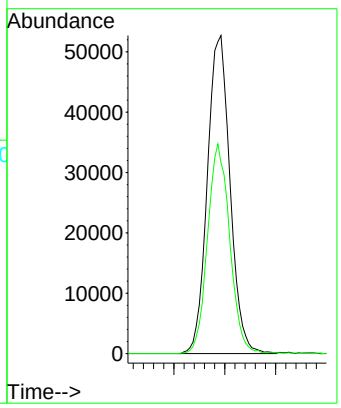
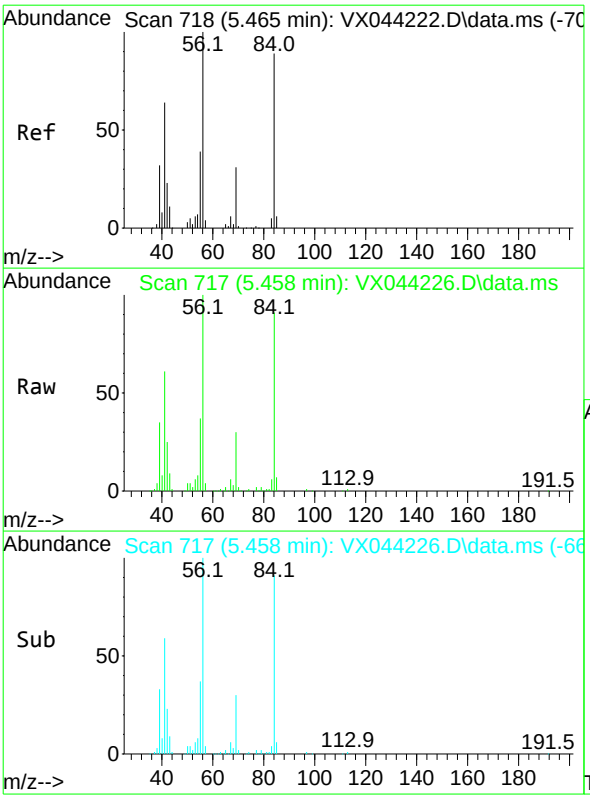



#30
Chloroform
Concen: 46.235 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 83 Resp: 163372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.0 | 51.6 | 77.4 |

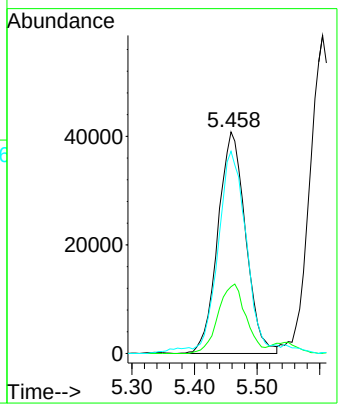





#31
Cyclohexane
Concen: 49.443 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 56 Resp: 125567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.2 | 24.7 | 37.1 |
| 84 | 88.8 | 71.0 | 106.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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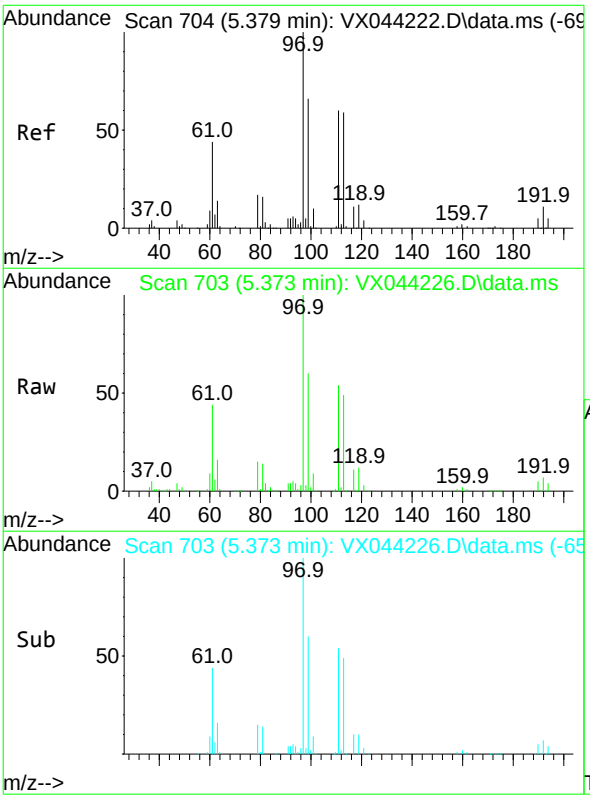
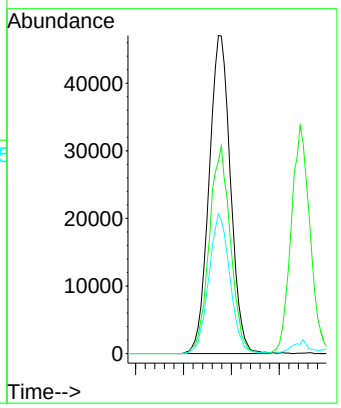
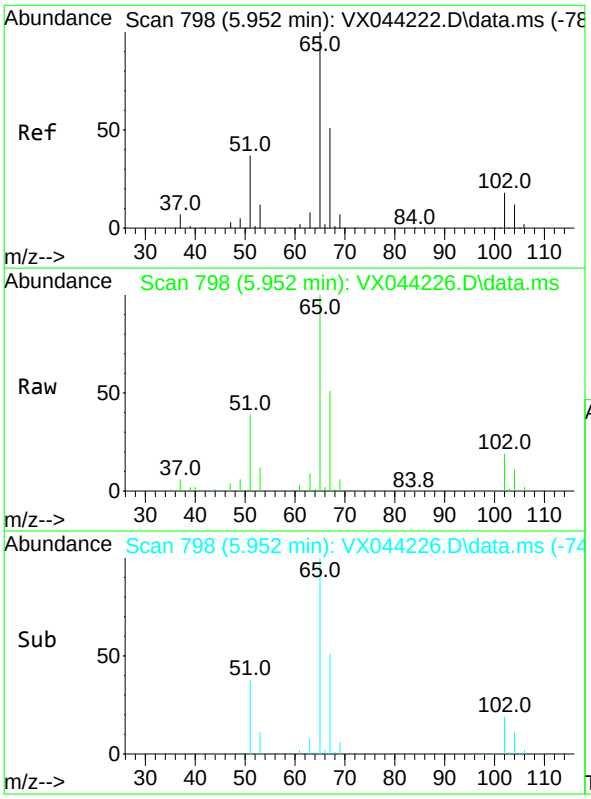



#32
1,1,1-Trichloroethane
Concen: 49.895 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 97 Resp: 146348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.2 | 50.8 | 76.2 |
| 61 | 43.3 | 35.2 | 52.8 |

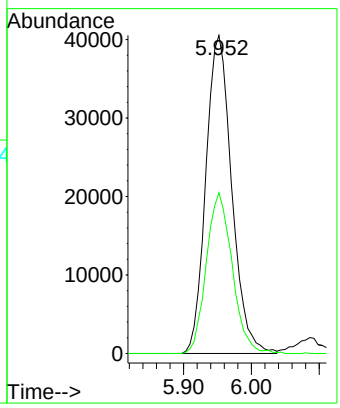





#33
1,2-Dichloroethane-d4
Concen: 45.646 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 65 Resp: 107407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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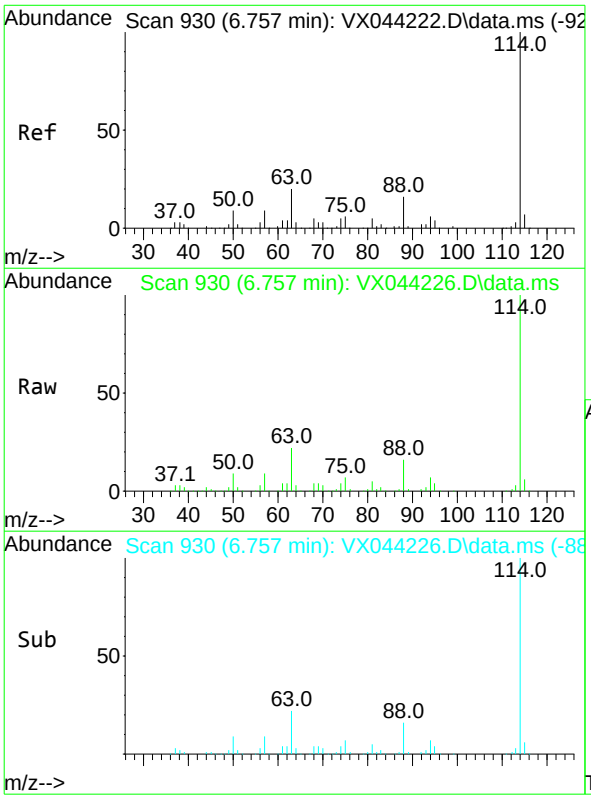
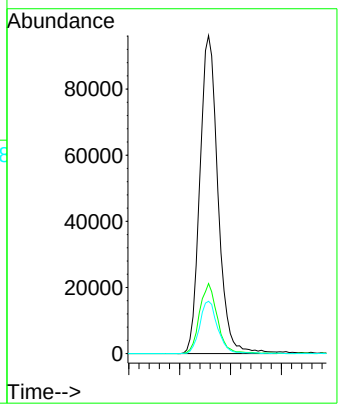
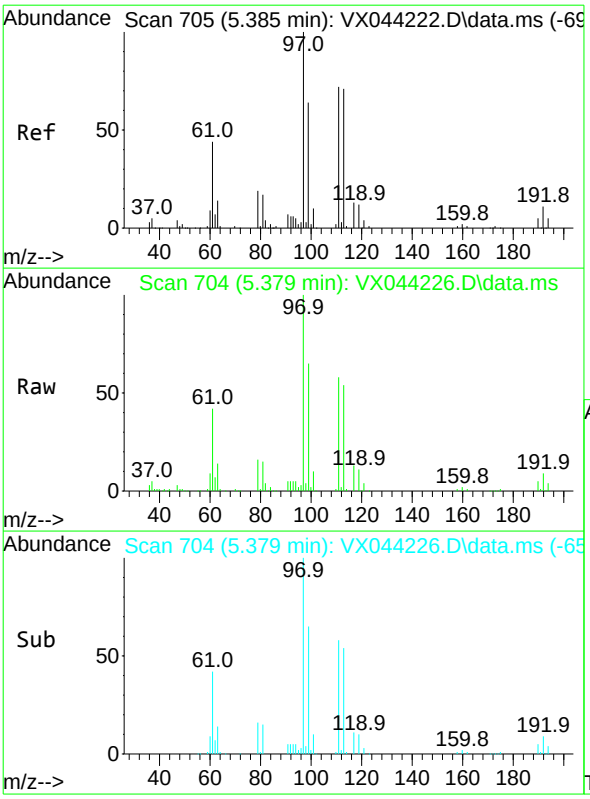



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:114 Resp: 237295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 40.6 |
| 88 | 16.4 | 0.0 | 31.8 |

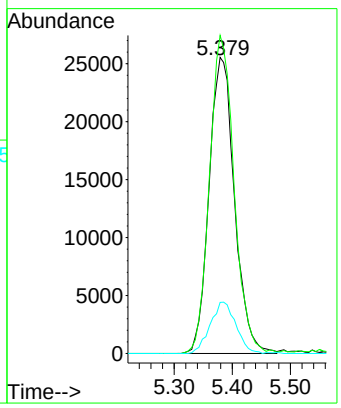





#35
Dibromofluoromethane
Concen: 47.228 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:113 Resp: 77619

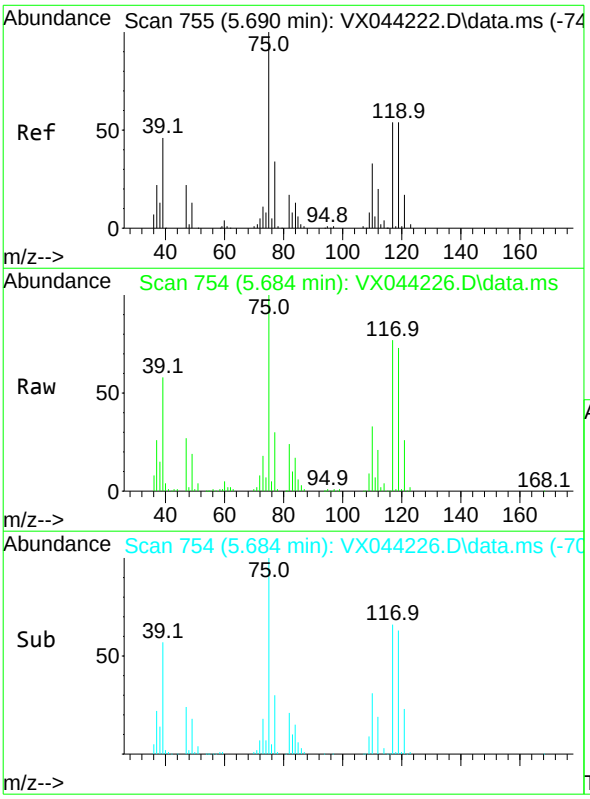
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.8 | 80.4 | 120.6 |
| 192 | 17.5 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

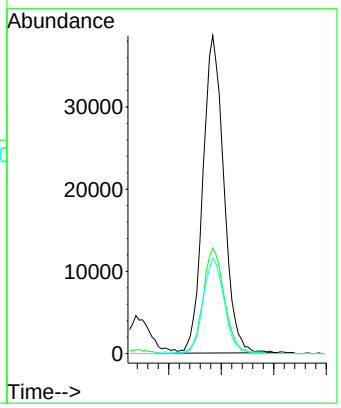
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

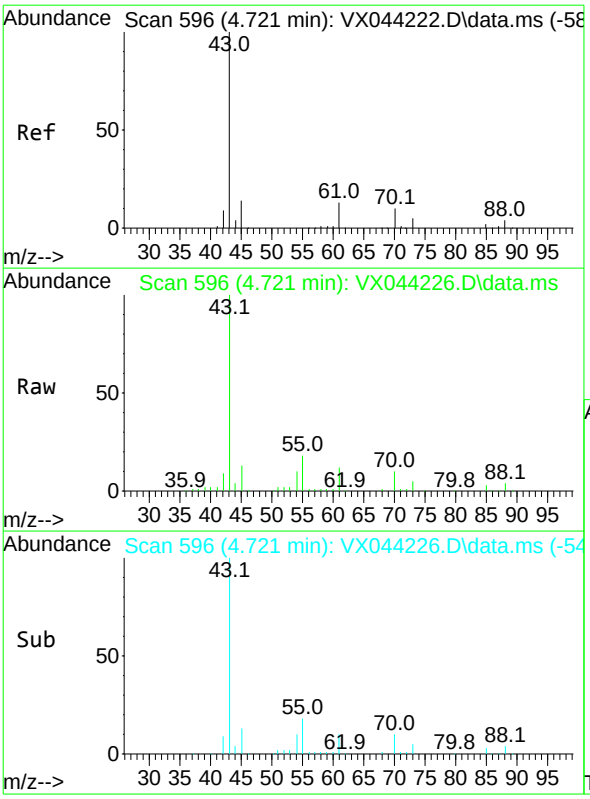



#36
1,1-Dichloropropene
Concen: 50.314 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 106889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 17.3 | 51.7 |
| 77 | 30.5 | 25.4 | 38.0 |

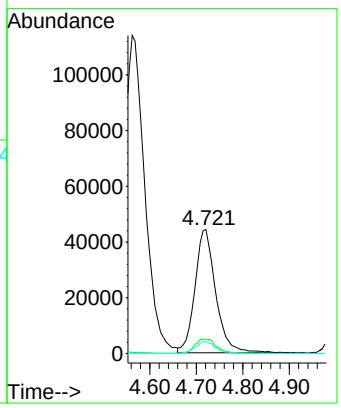





#37
Ethyl Acetate
Concen: 52.176 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 137017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.0 | 9.8 | 14.8 |
| 70 | 9.4 | 7.7 | 11.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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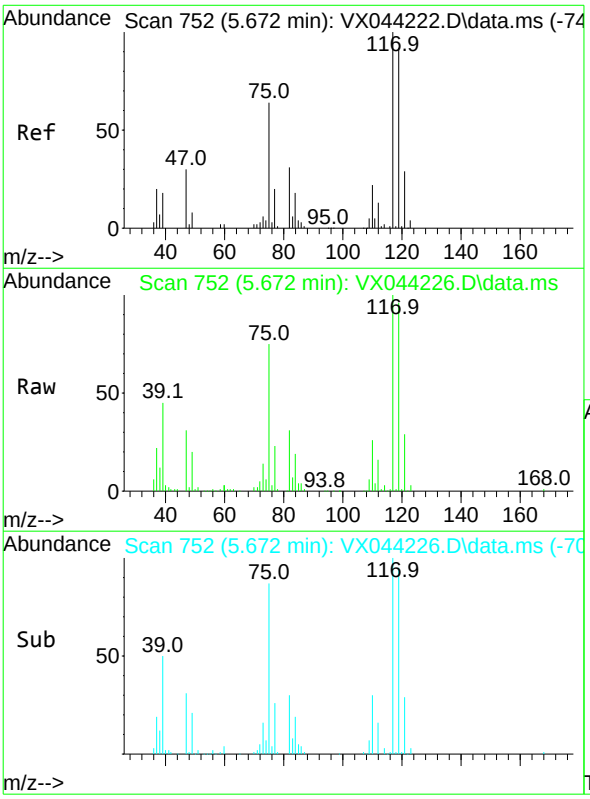
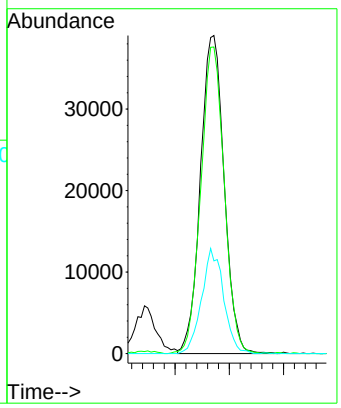
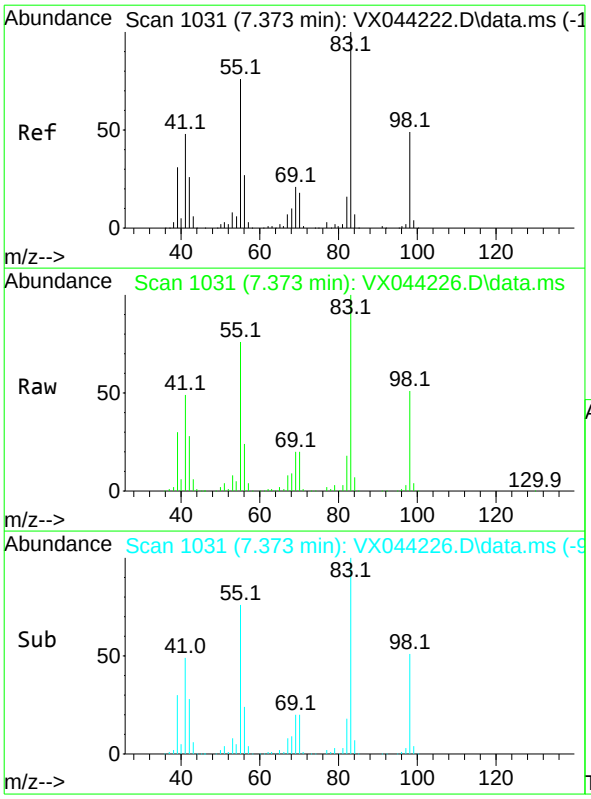



#38
Carbon Tetrachloride
Concen: 51.763 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:117 Resp: 118390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 74.2 | 111.4 |
| 121 | 29.1 | 23.0 | 34.6 |

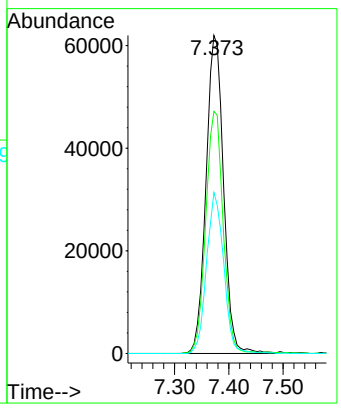





#39
Methylcyclohexane
Concen: 54.761 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 83 Resp: 139077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.1 | 60.7 | 91.1 |
| 98 | 50.6 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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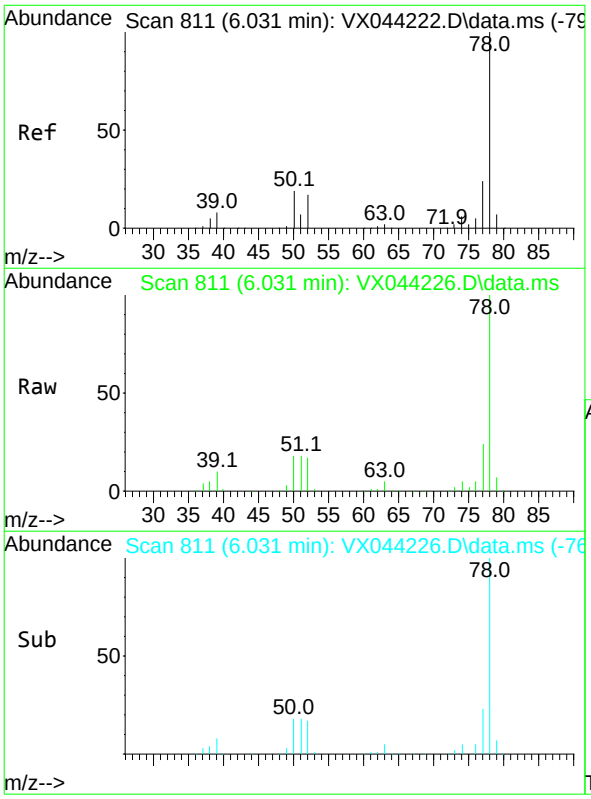
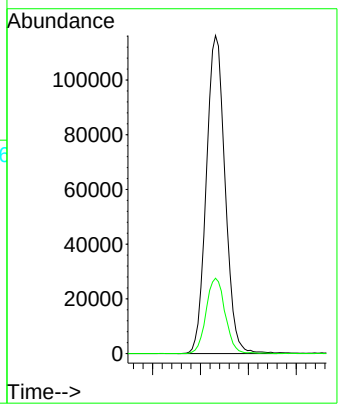
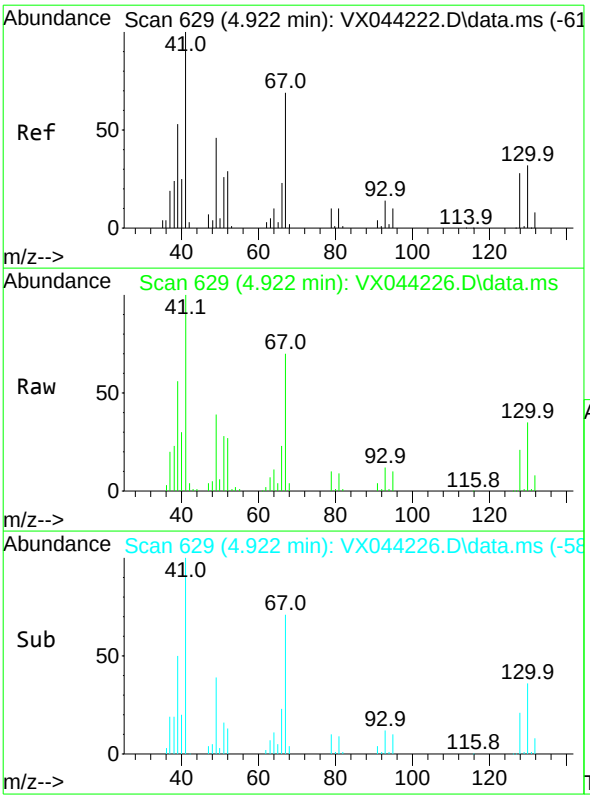



#40
Benzene
Concen: 49.052 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 78 Resp: 316391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.3 | 28.9 |

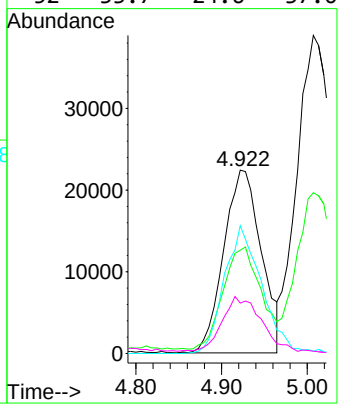





#41
Methacrylonitrile
Concen: 48.945 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 68251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.3 | 44.2 | 66.4 |
| 67 | 69.8 | 57.2 | 85.8 |
| 52 | 33.7 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
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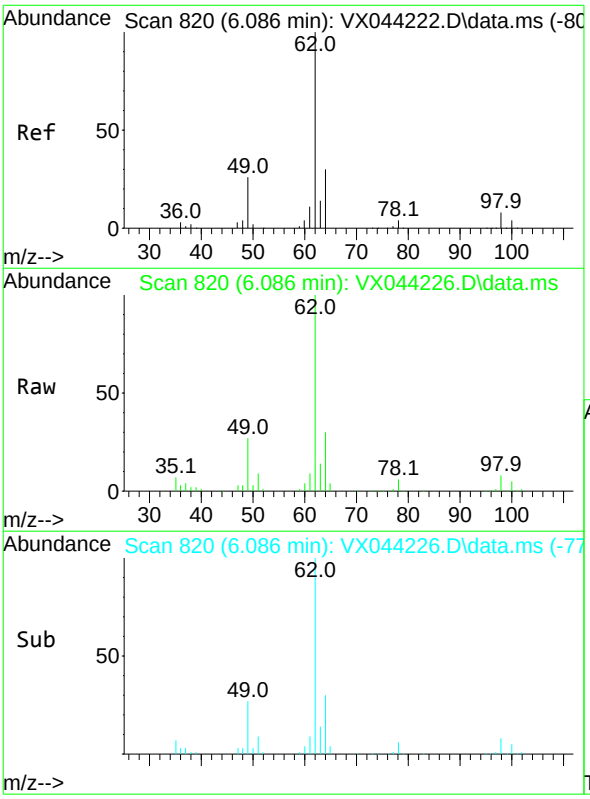
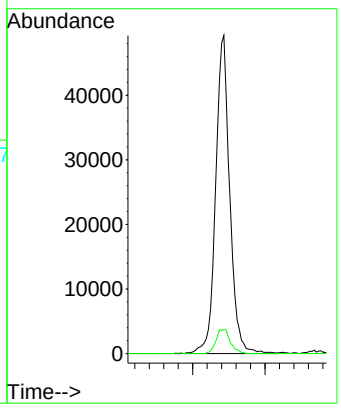
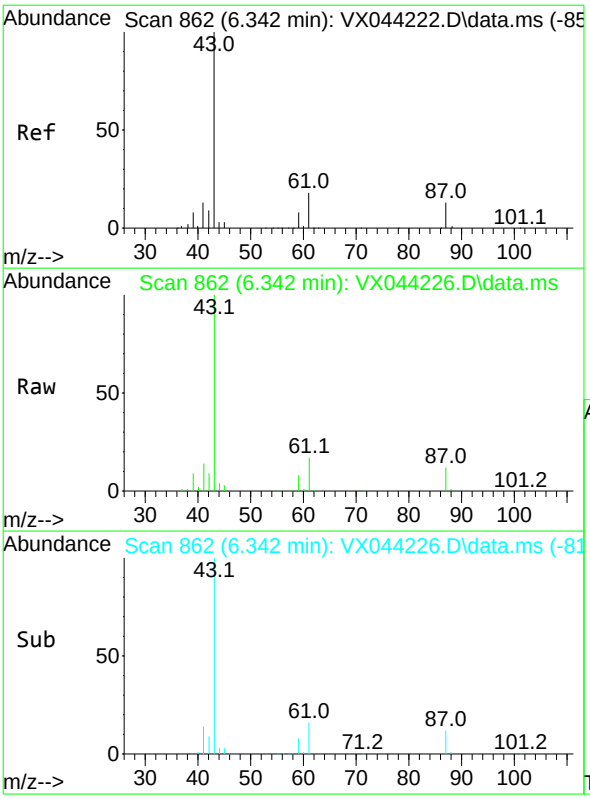



#42
1,2-Dichloroethane
Concen: 49.960 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 62 Resp: 132744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.7 | 0.0 | 15.8 |

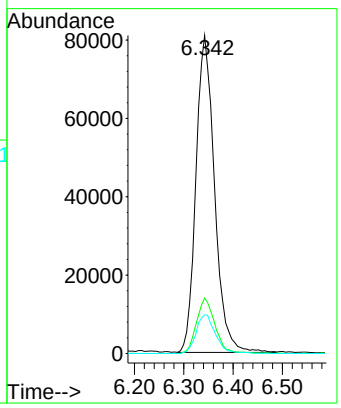





#43
Isopropyl Acetate
Concen: 51.624 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 211889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.4 | 14.2 | 21.2 |
| 87 | 12.7 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

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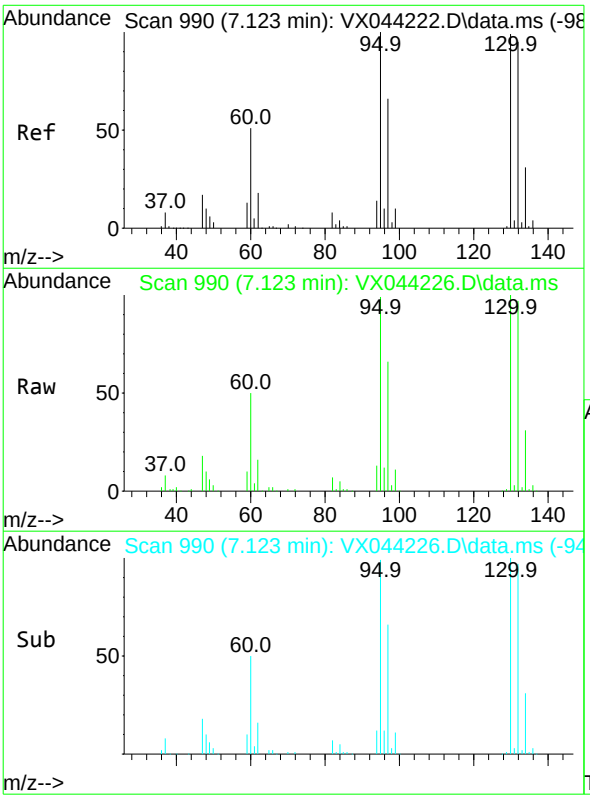
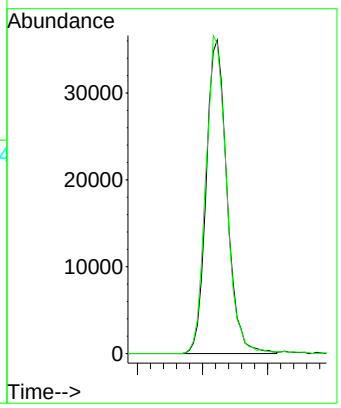
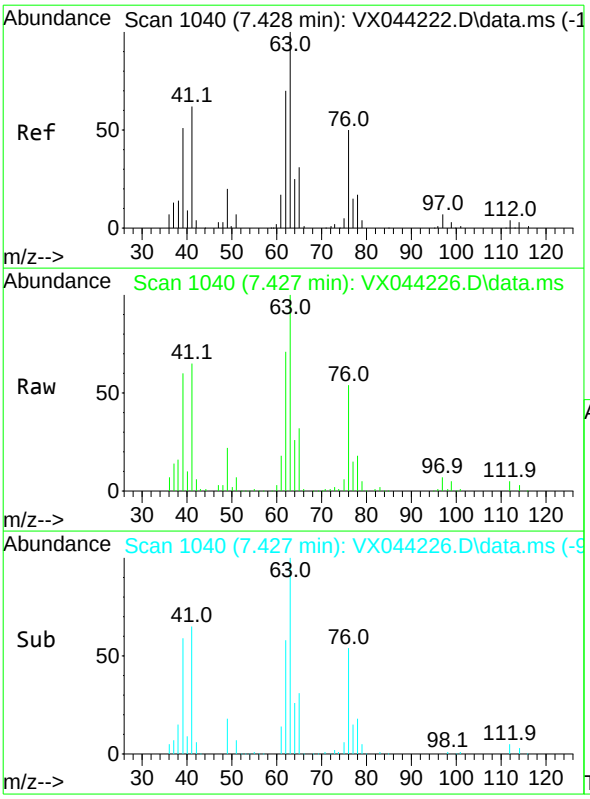



#44
Trichloroethene
Concen: 49.741 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:130 Resp: 80008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.8 | 0.0 | 201.4 |

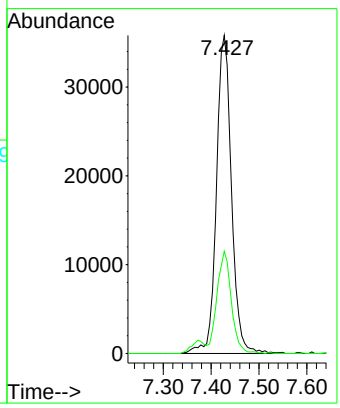





#45
1,2-Dichloropropane
Concen: 47.528 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 78321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.1 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

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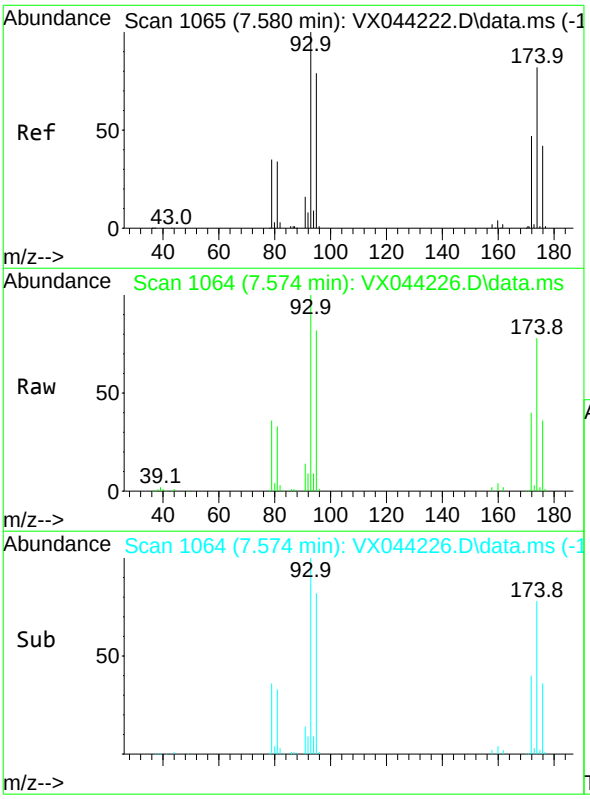
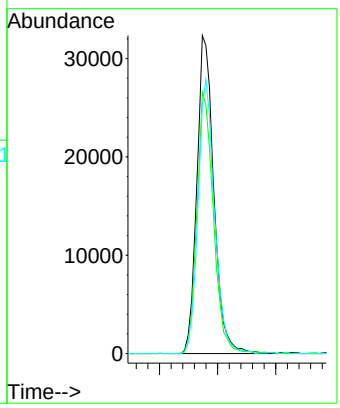
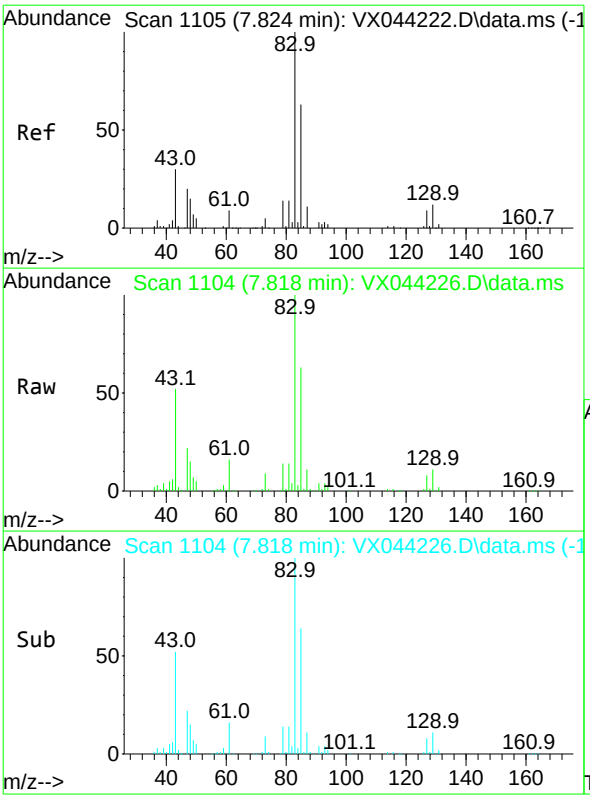



#46
Dibromomethane
Concen: 51.227 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 93 Resp: 65491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.5 | 65.4 | 98.2 |
| 174 | 84.0 | 67.9 | 101.9 |

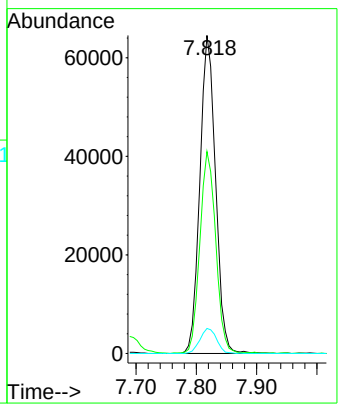





#47
Bromodichloromethane
Concen: 52.893 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 83 Resp: 116783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 50.6 | 75.8 |
| 127 | 7.9 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations APPROVED**

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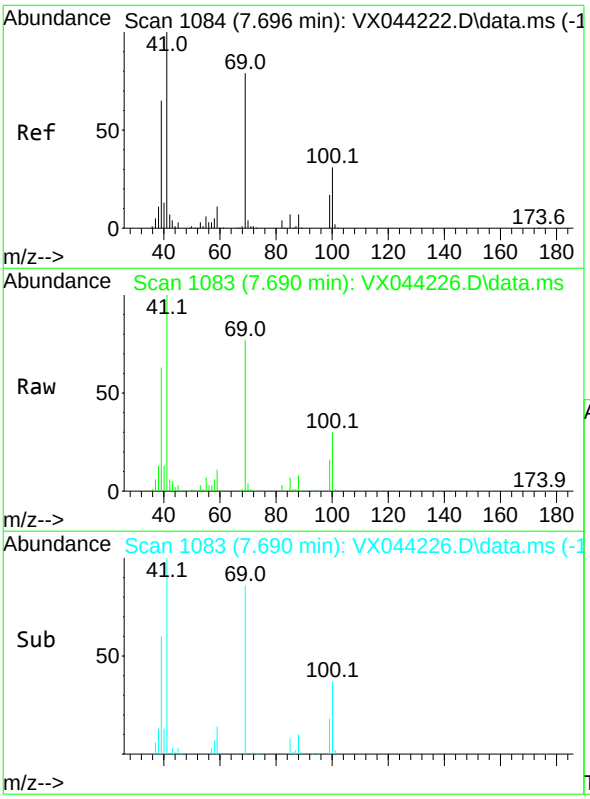
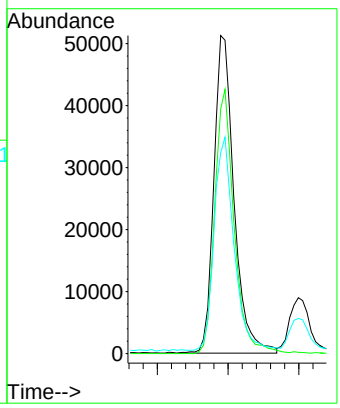
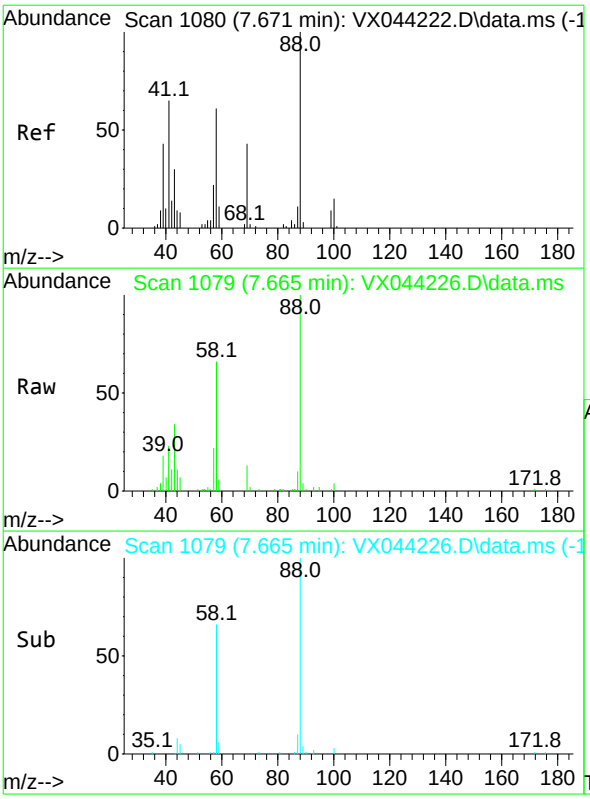



#48
Methyl methacrylate
Concen: 50.852 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 101318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.9 | 62.4 | 93.6 |
| 39 | 66.0 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 923.966 ug/l m
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 88 Resp: 30522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 44.4 | 27.1 | 40.7# |
| 58 | 60.6 | 41.0 | 61.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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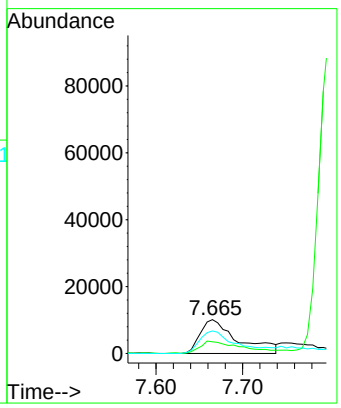
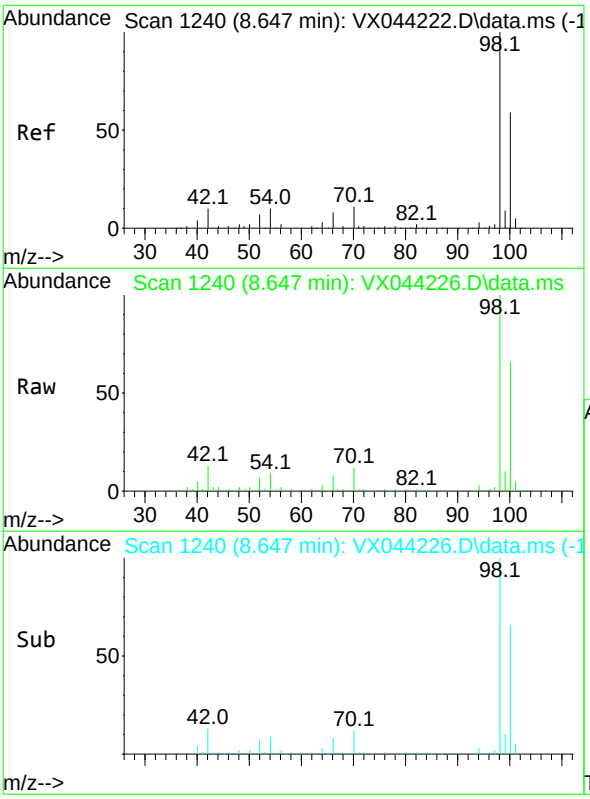
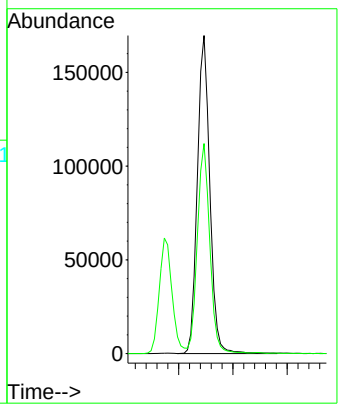


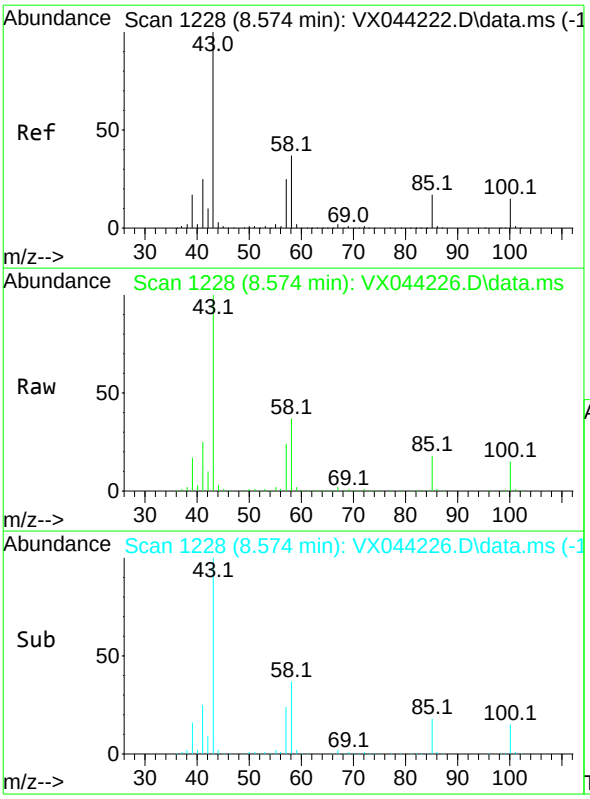




#50
Toluene-d8
Concen: 48.968 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 98 Resp: 271508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 51.5 | 77.3 |

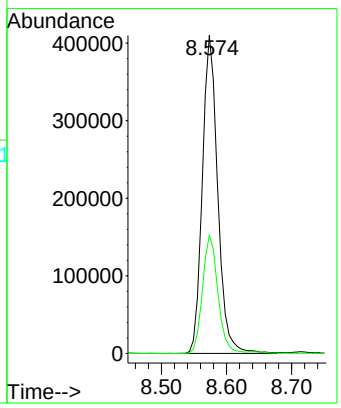





#51
4-Methyl-2-Pentanone
Concen: 255.038 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 673069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.0 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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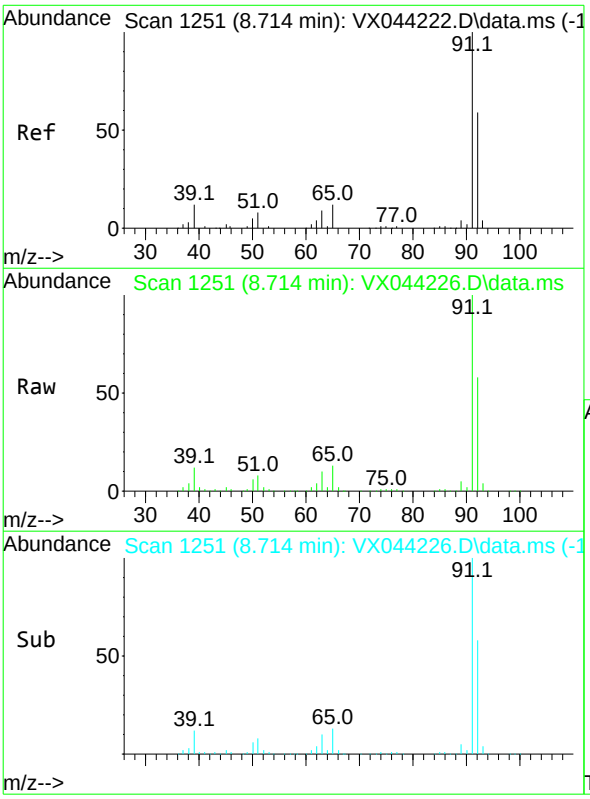
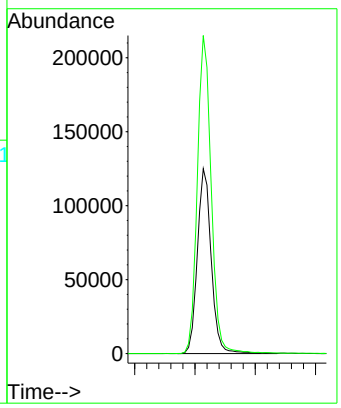
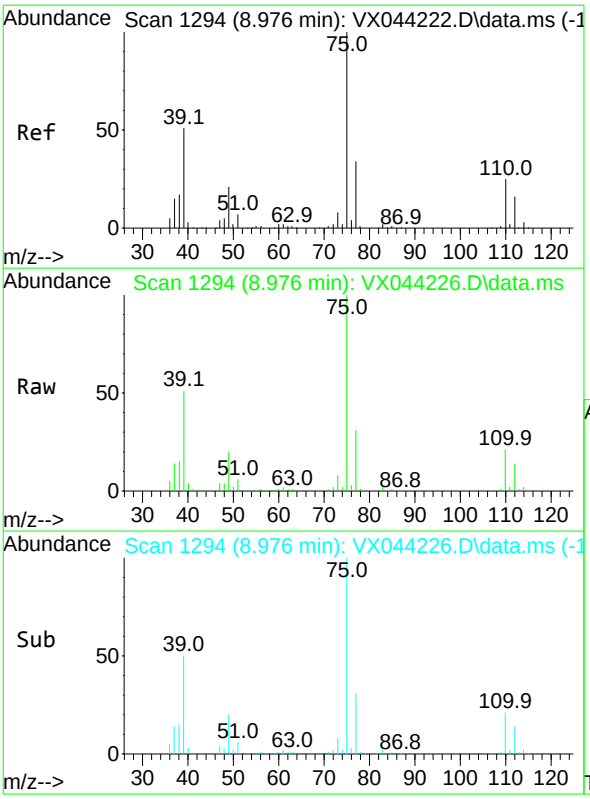



#52
Toluene
Concen: 49.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 92 Resp: 199281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.2 | 137.0 | 205.6 |

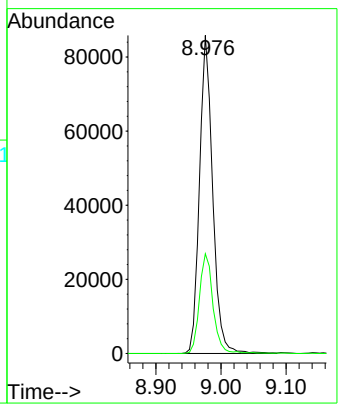





#53
t-1,3-Dichloropropene
Concen: 50.864 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 120696

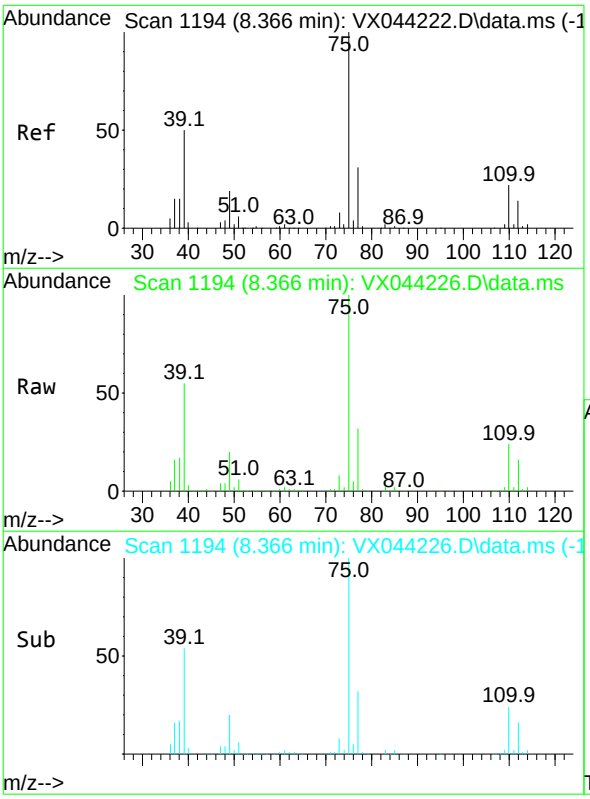
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

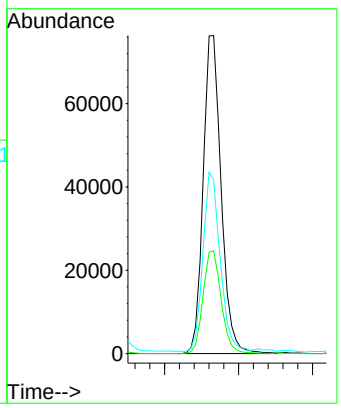
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

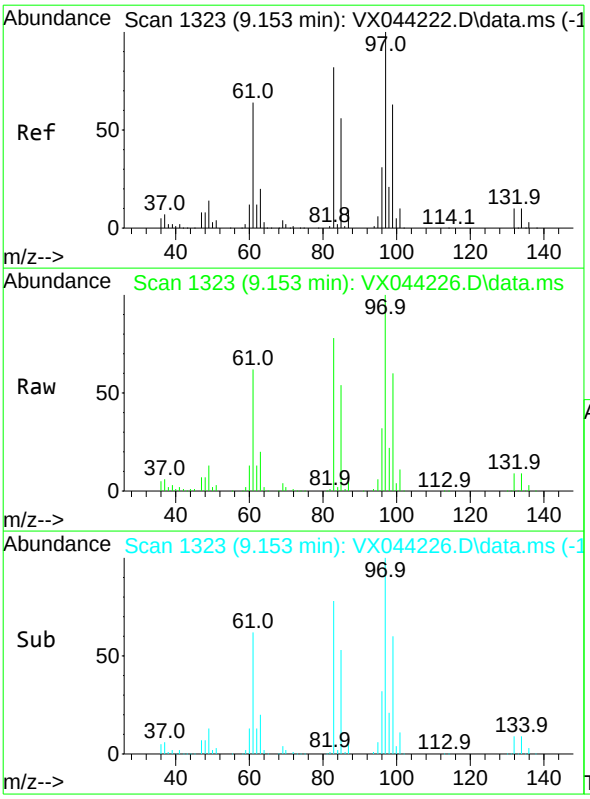



#54
cis-1,3-Dichloropropene
Concen: 53.607 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 128875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 24.7 | 37.1 |
| 39 | 53.9 | 40.3 | 60.5 |

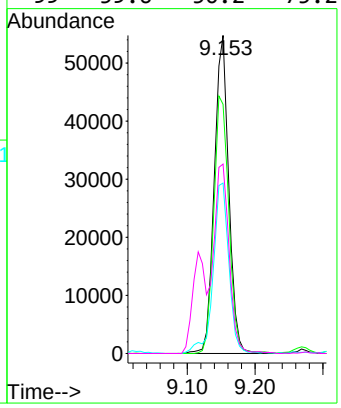





#55
1,1,2-Trichloroethane
Concen: 50.562 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 97 Resp: 81362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 78.3 | 65.3 | 97.9 |
| 85 | 53.6 | 44.6 | 67.0 |
| 99 | 59.6 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/12/2024
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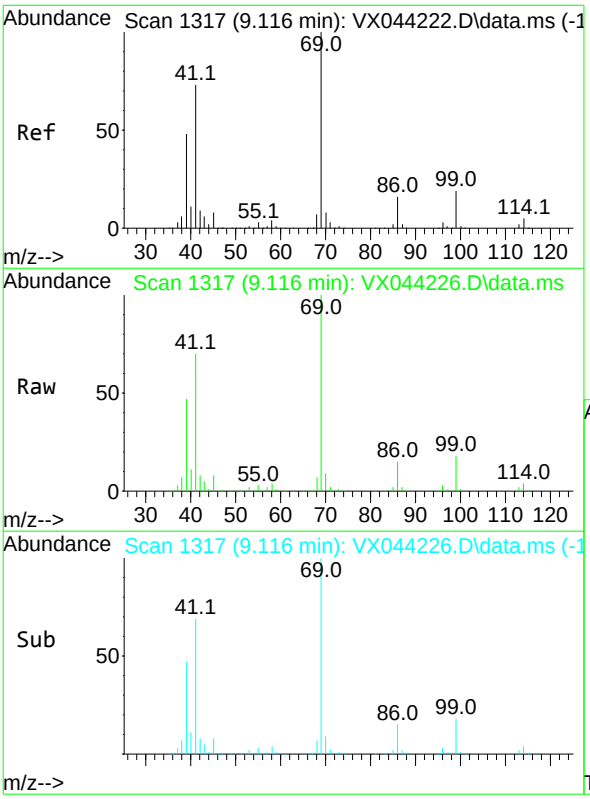
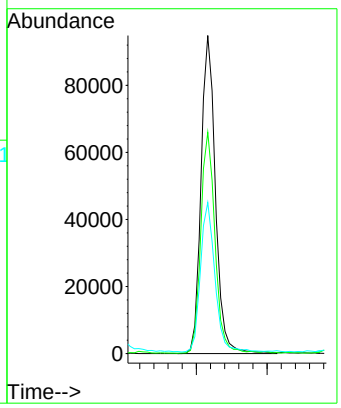
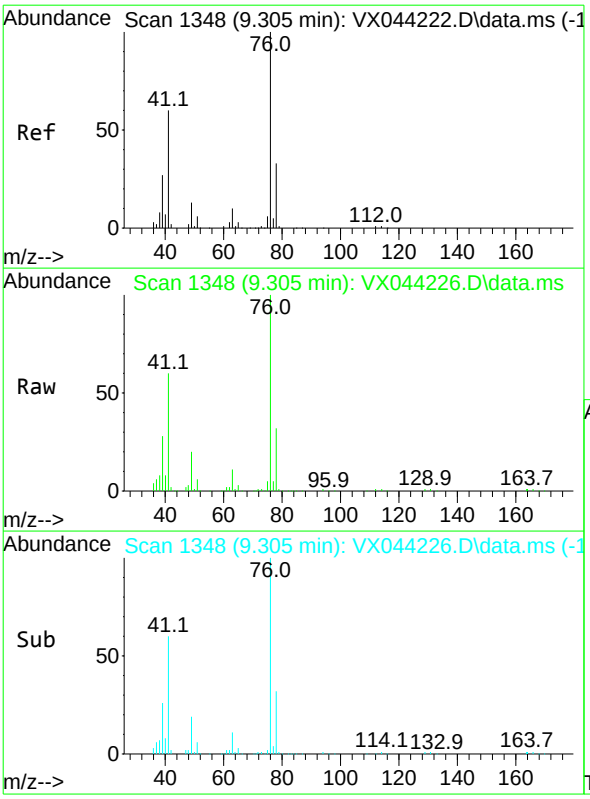



#56
Ethyl methacrylate
Concen: 52.890 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 69 Resp: 134357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.6 | 56.6 | 85.0 |
| 39 | 47.2 | 37.4 | 56.0 |

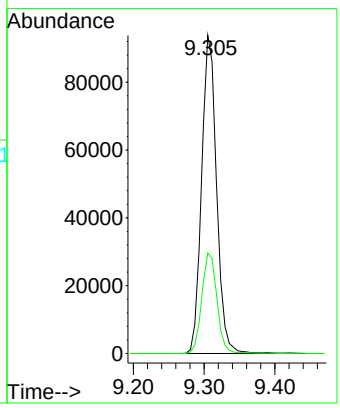





#57
1,3-Dichloropropane
Concen: 49.165 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 76 Resp: 137705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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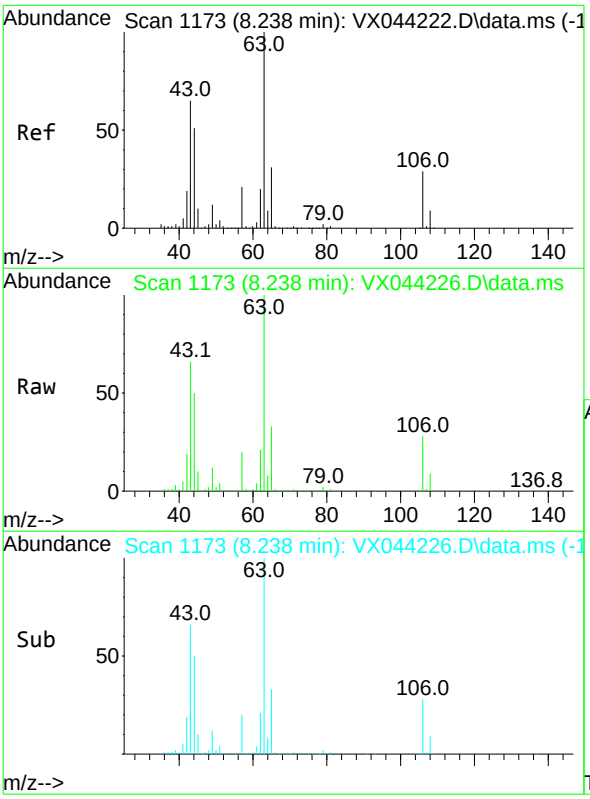
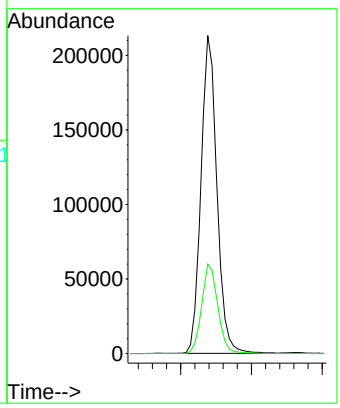
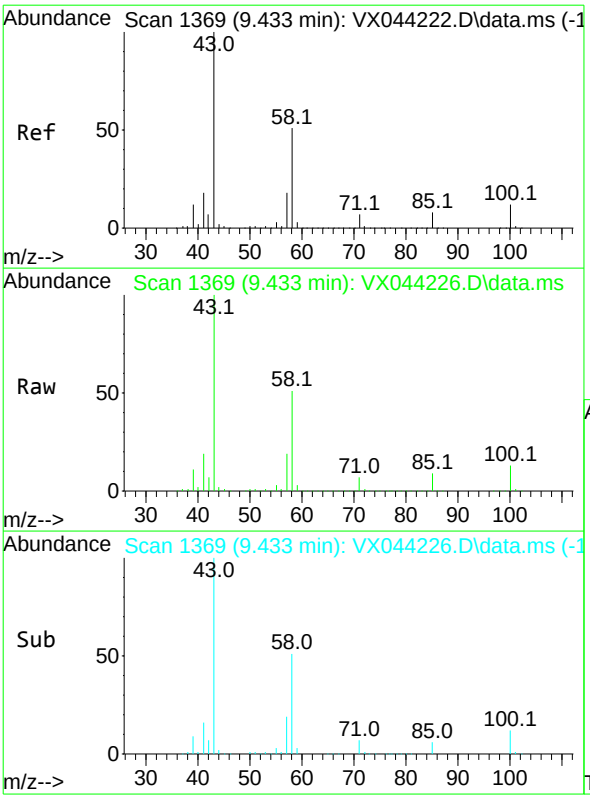



#58
2-Chloroethyl Vinyl ether
Concen: 259.586 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 332599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 22.8 | 34.2 |

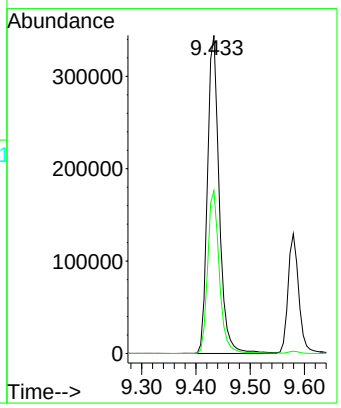





#59
2-Hexanone
Concen: 271.943 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 519476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.7 | 25.7 | 77.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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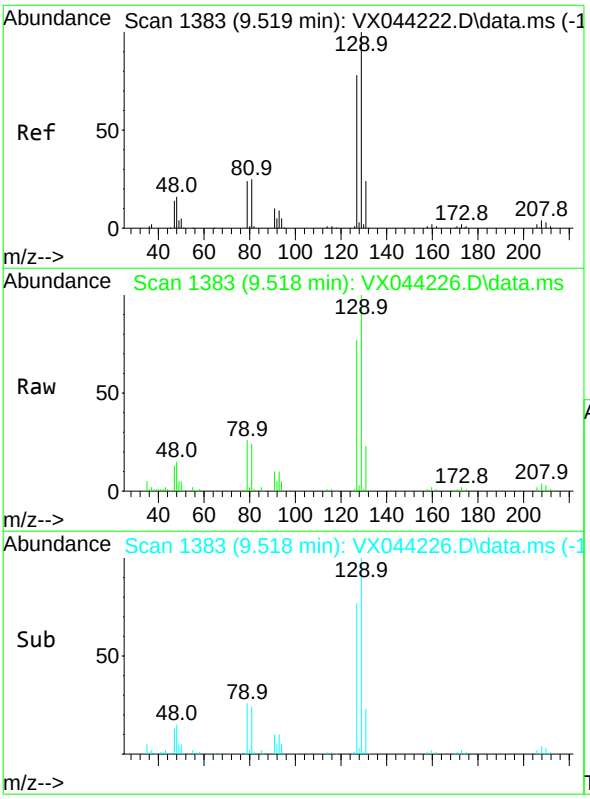
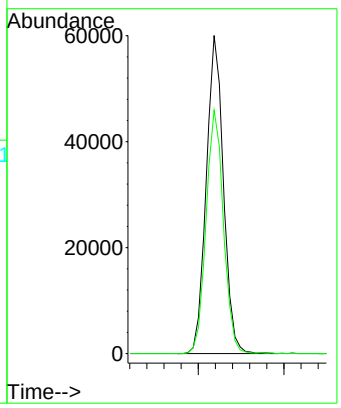
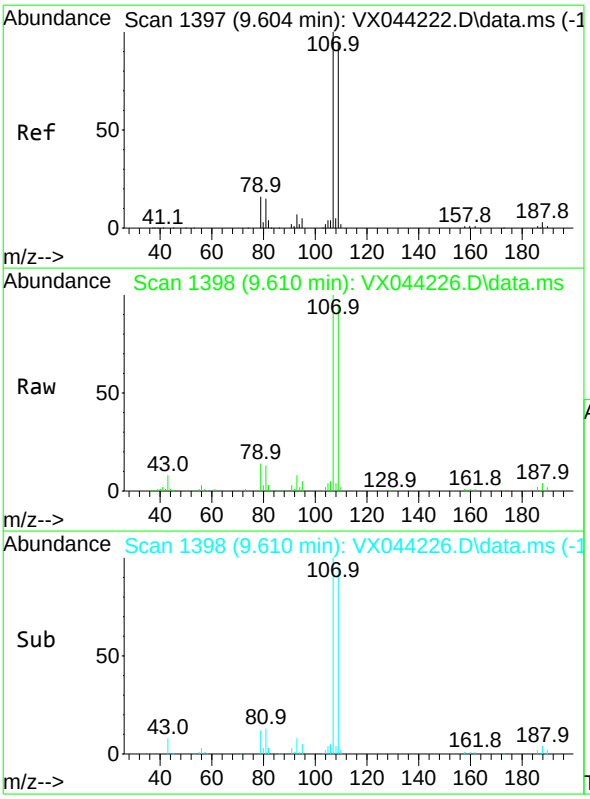



#60
Dibromochloromethane
Concen: 49.073 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:129 Resp: 83515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.5 | 38.5 | 115.3 |

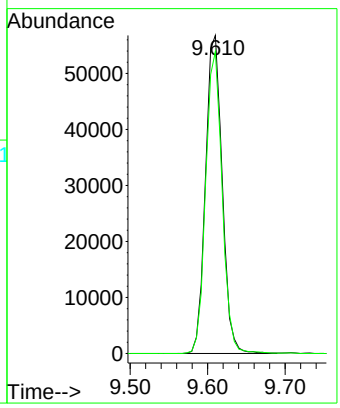





#61
1,2-Dibromoethane
Concen: 51.909 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:107 Resp: 85024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
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Reviewed By :John Carlone 12/12/2024
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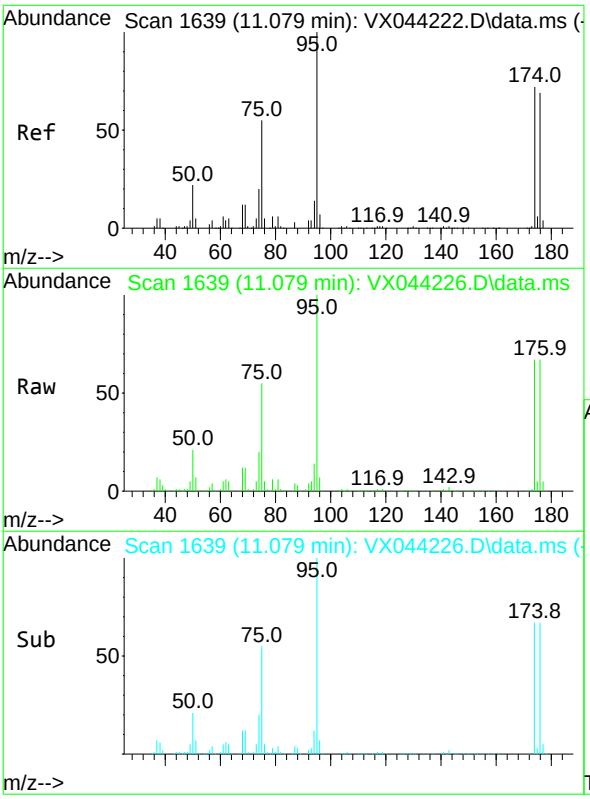
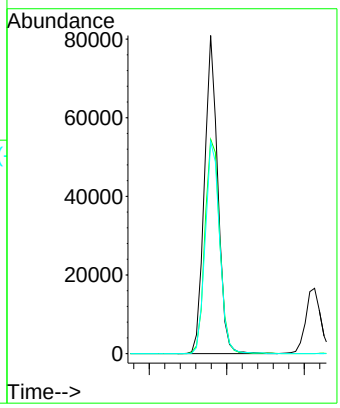
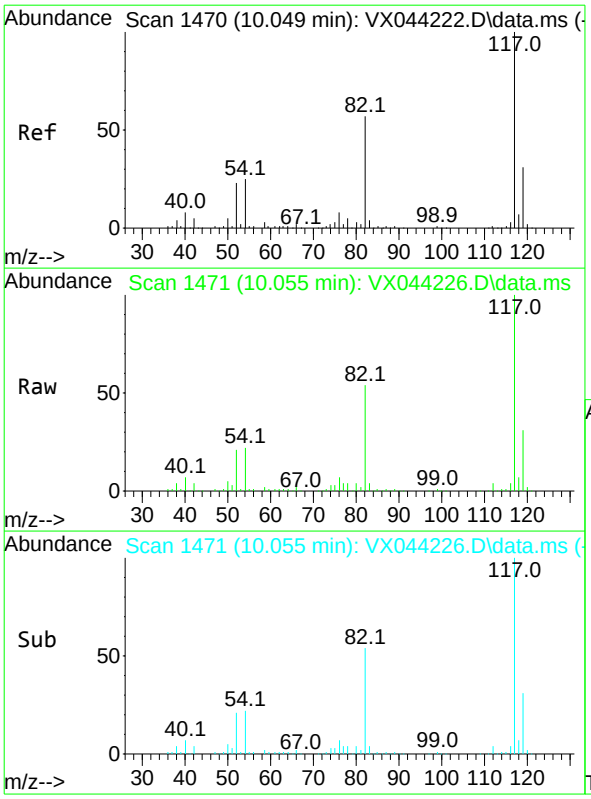



#62
4-Bromofluorobenzene
Concen: 50.098 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 95 Resp: 97061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.3 | 0.0 | 145.8 |
| 176 | 71.4 | 0.0 | 137.8 |

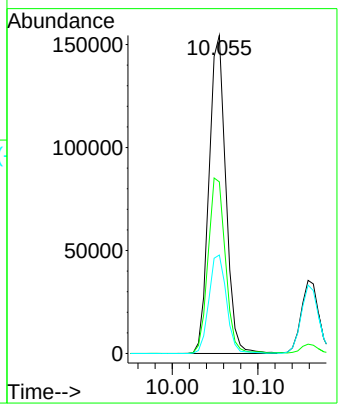





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:117 Resp: 210572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.0 | 45.8 | 68.8 |
| 119 | 31.0 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

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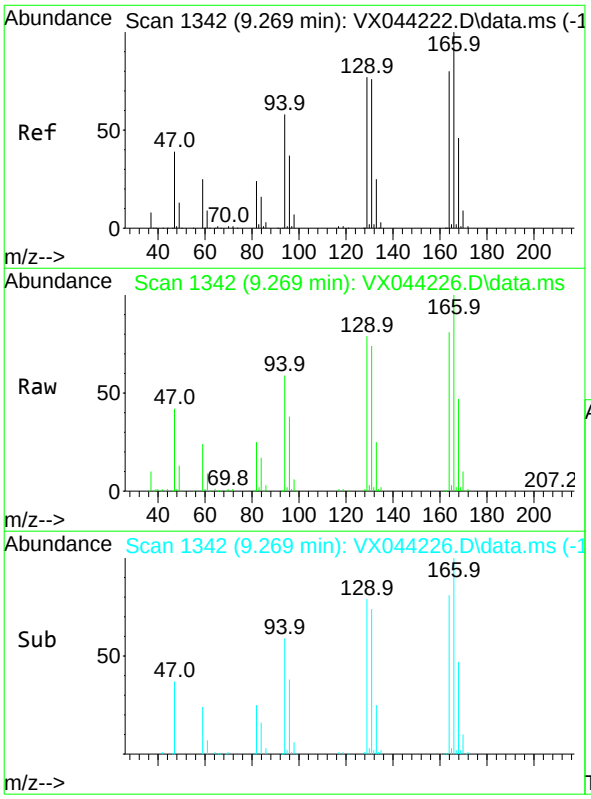
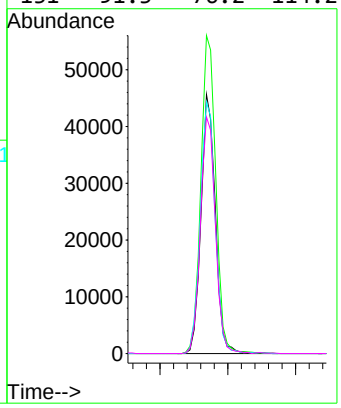
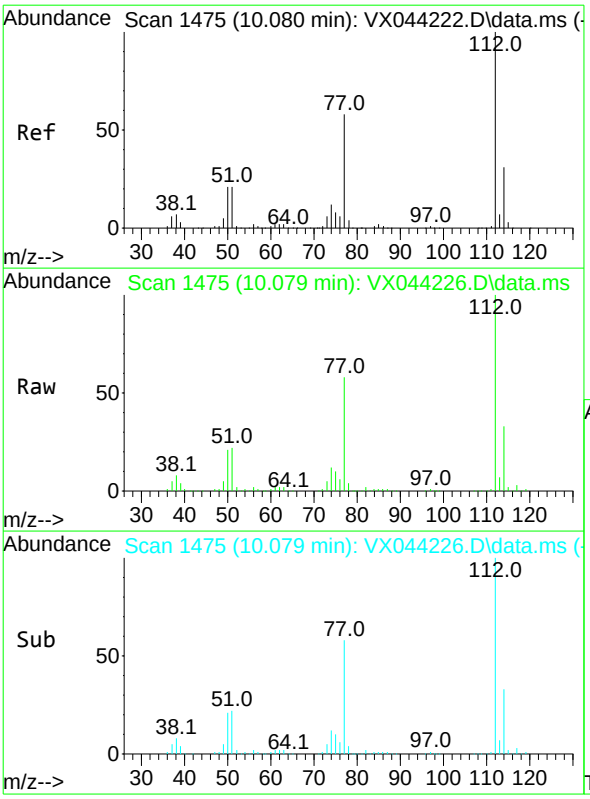



#64
Tetrachloroethene
Concen: 47.702 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:164 Resp: 66669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 122.8 | 100.4 | 150.6 |
| 129 | 97.2 | 77.2 | 115.8 |
| 131 | 91.3 | 76.2 | 114.2 |






#65
Chlorobenzene
Concen: 48.133 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:112 Resp: 217180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.7 | 25.0 | 37.6 |

**Instrument :**
MSVOA_X
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ICVVX121124

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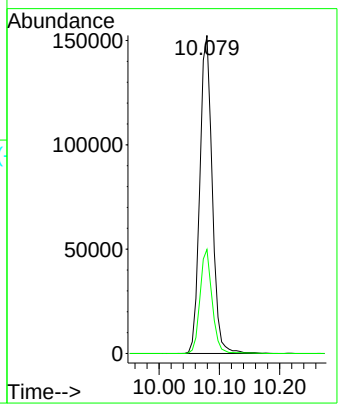
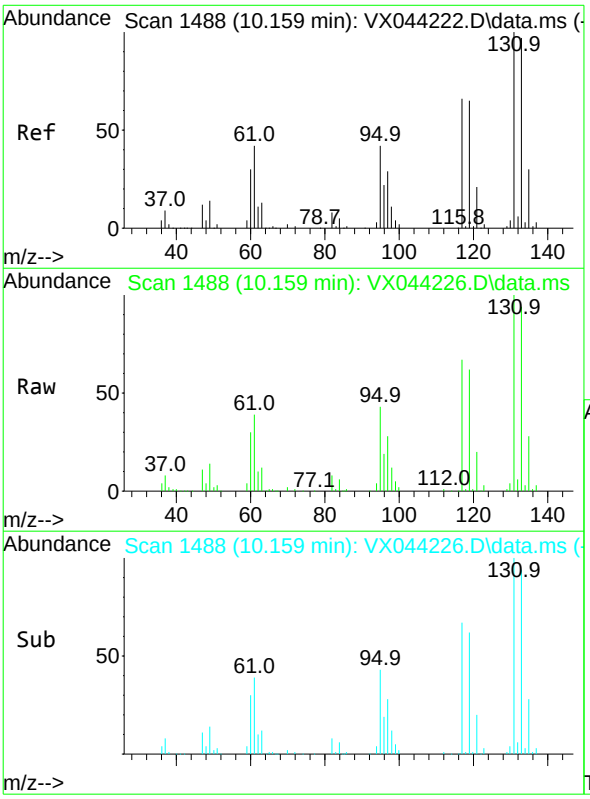
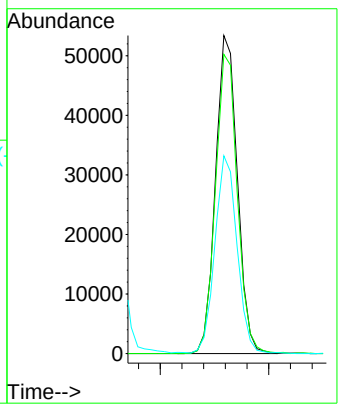


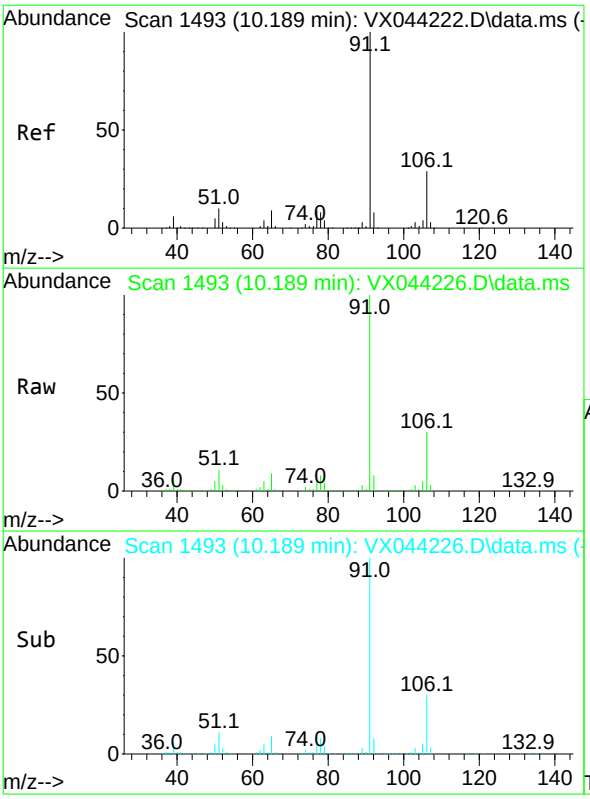




#66
1,1,1,2-Tetrachloroethane
Concen: 51.396 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:131 Resp: 74531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.6 | 47.3 | 141.8 |
| 119 | 63.3 | 31.6 | 95.0 |

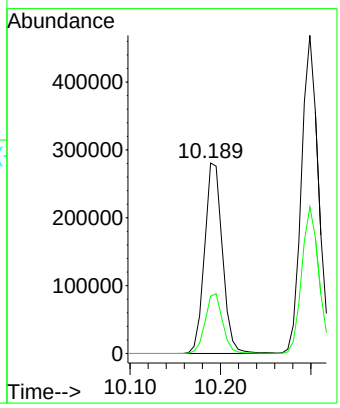





#67
Ethyl Benzene
Concen: 49.461 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 385605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
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ICVVX121124

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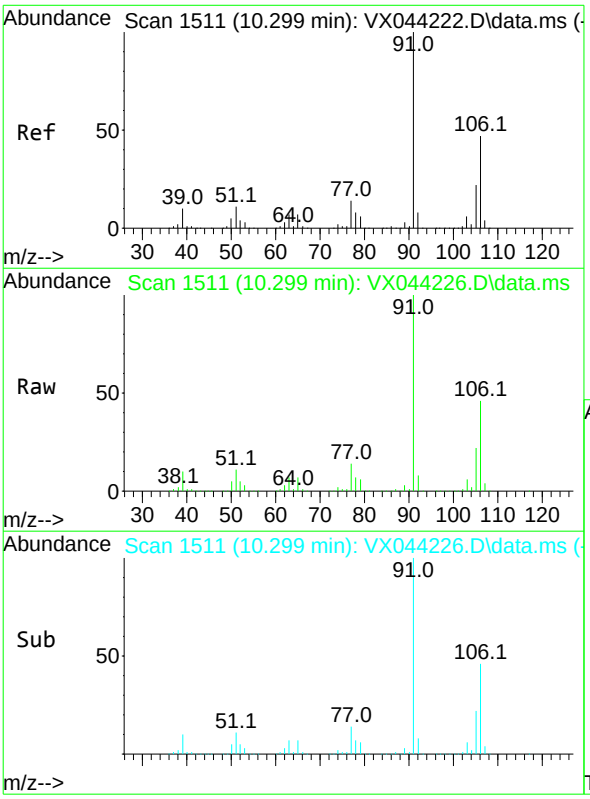
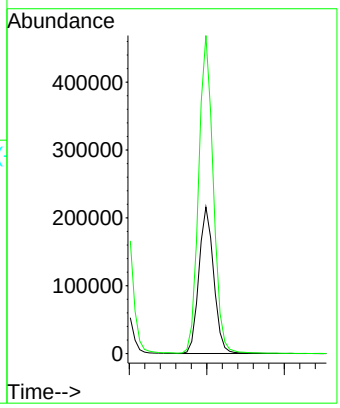
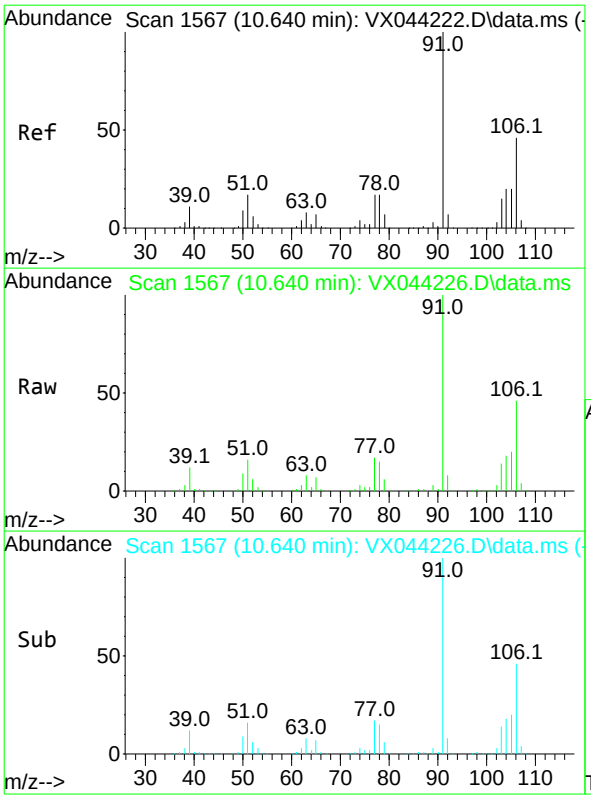



#68
m/p-Xylenes
Concen: 99.896 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:106 Resp: 285774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.6 | 170.2 | 255.2 |

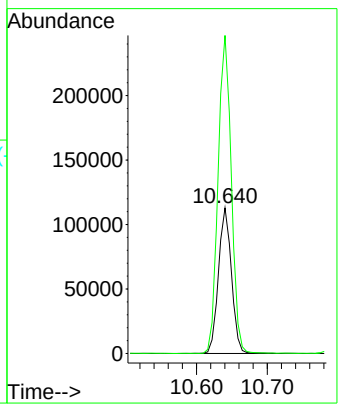





#69
o-Xylene
Concen: 49.750 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:106 Resp: 144001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.9 | 112.3 | 337.0 |

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MSVOA_X
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ICVVX121124

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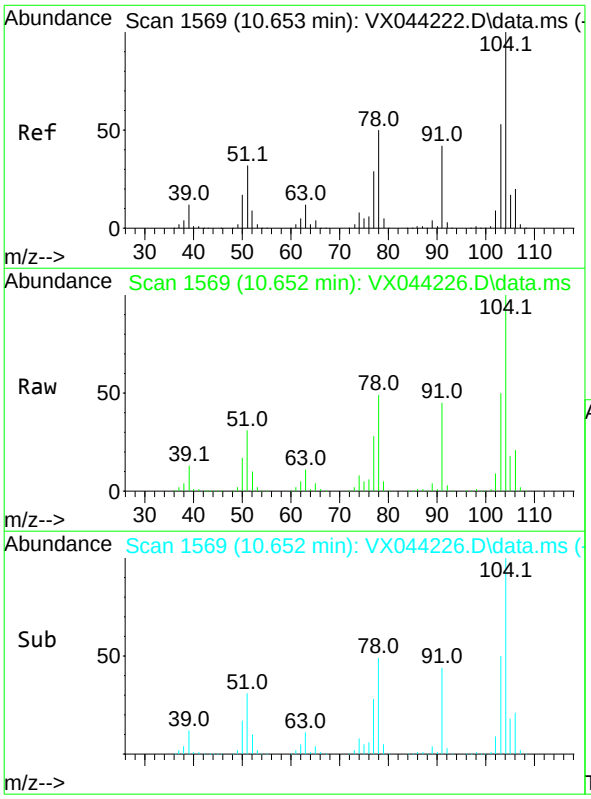
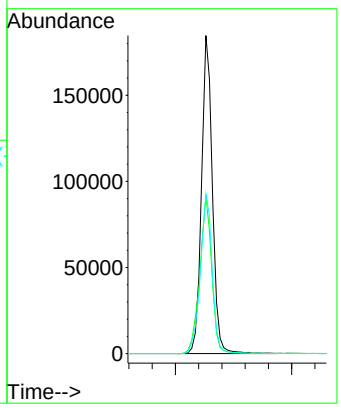
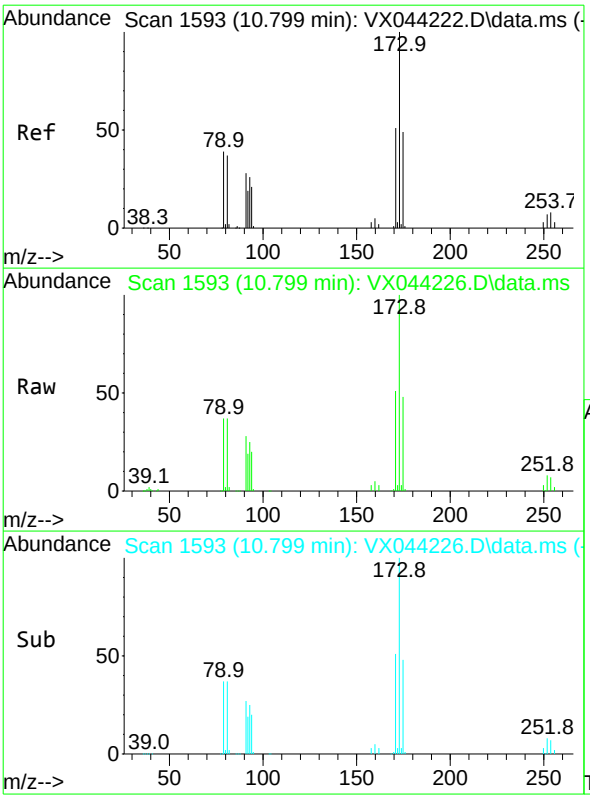



#70
Styrene
Concen: 51.617 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:104 Resp: 239508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.5 | 44.6 | 67.0 |
| 103 | 54.9 | 45.4 | 68.0 |

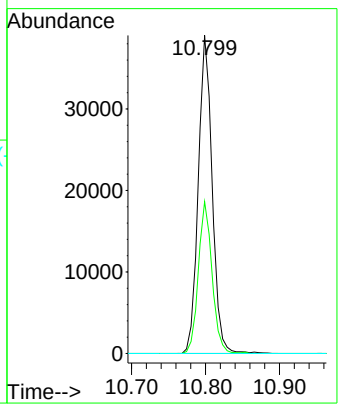





#71
Bromoform
Concen: 50.269 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:173 Resp: 50972

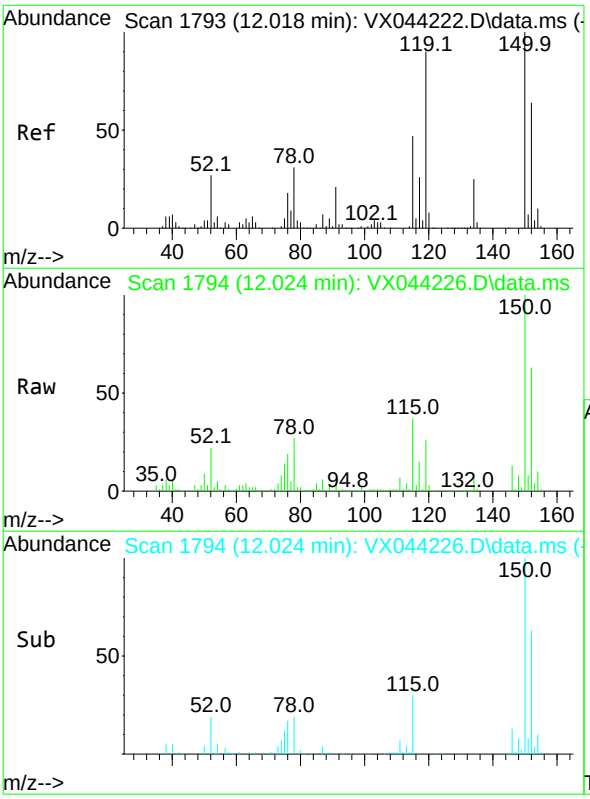
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.1 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

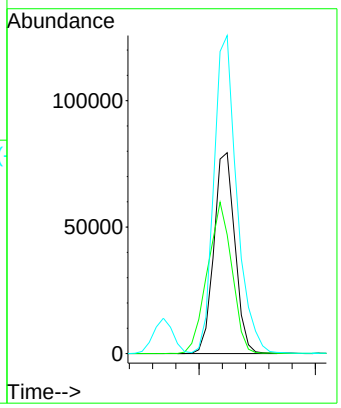
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

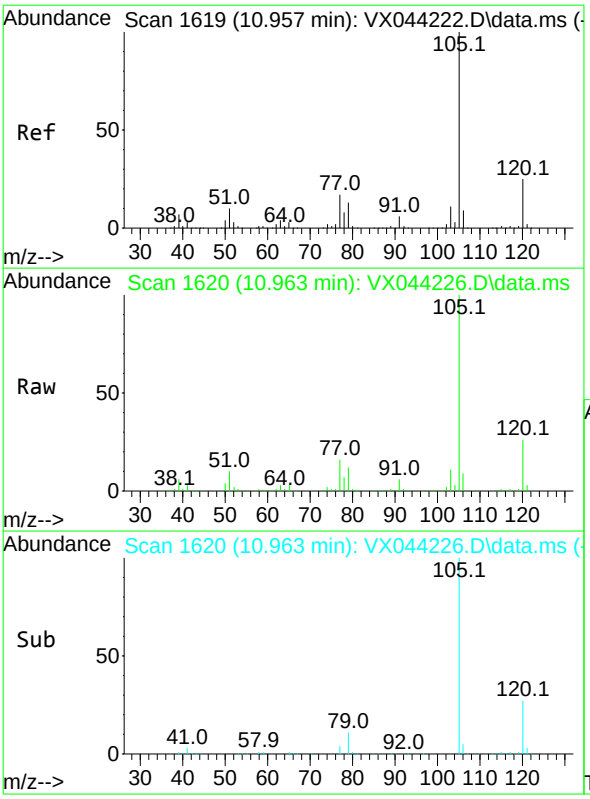



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:152 Resp: 99879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 87.8 | 44.5 | 133.3 |
| 150 | 172.2 | 0.0 | 353.8 |

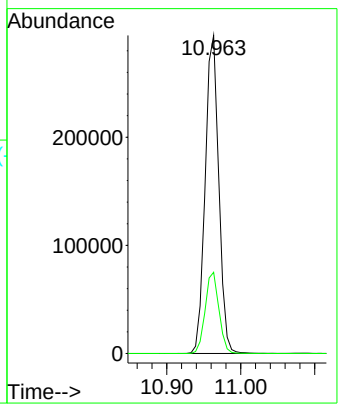





#73
Isopropylbenzene
Concen: 49.014 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 374769

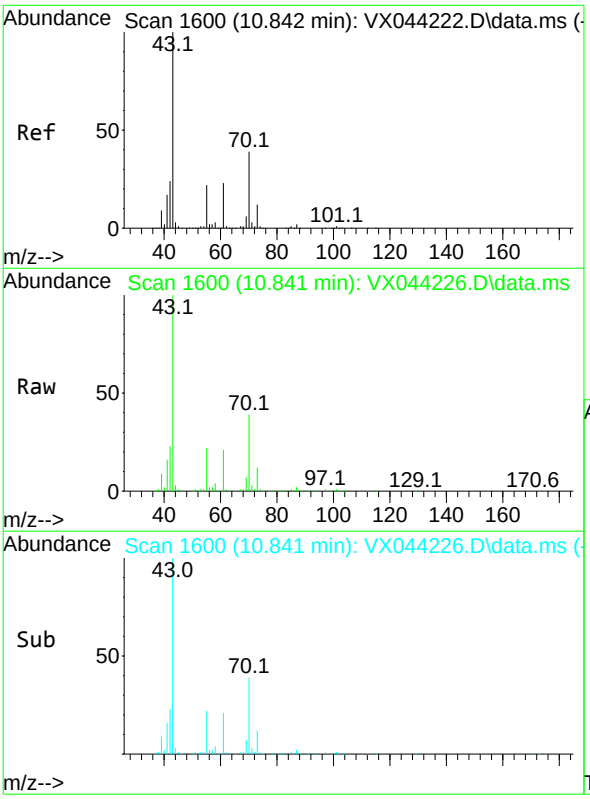
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

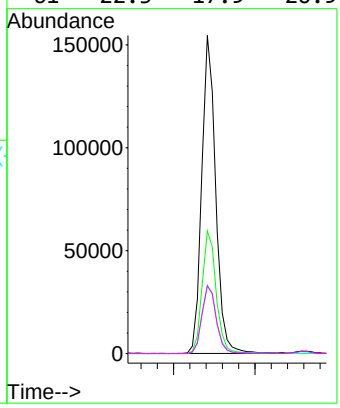
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

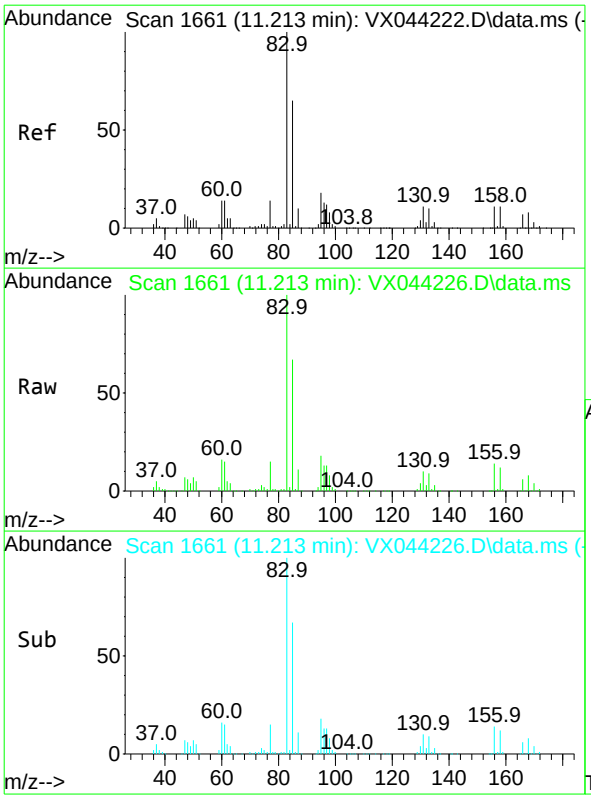



#74
N-amyl acetate
Concen: 52.003 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 183763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.0 | 31.9 | 47.9 |
| 55 | 22.4 | 17.9 | 26.9 |
| 61 | 22.3 | 17.9 | 26.9 |

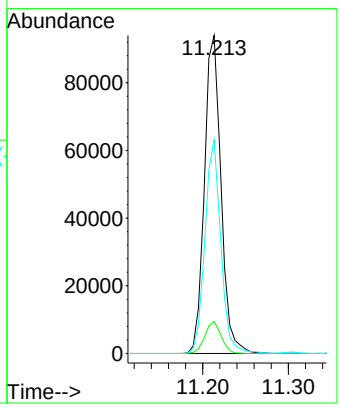





#75
1,1,2,2-Tetrachloroethane
Concen: 47.676 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 83 Resp: 126615

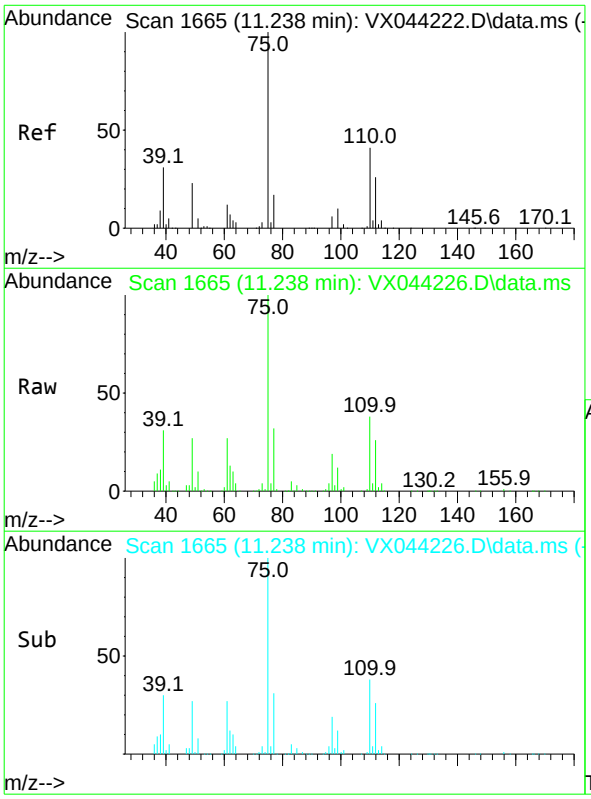
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 64.4 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

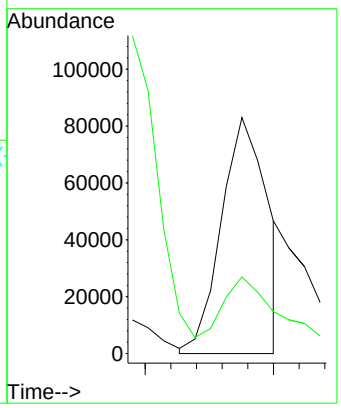
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

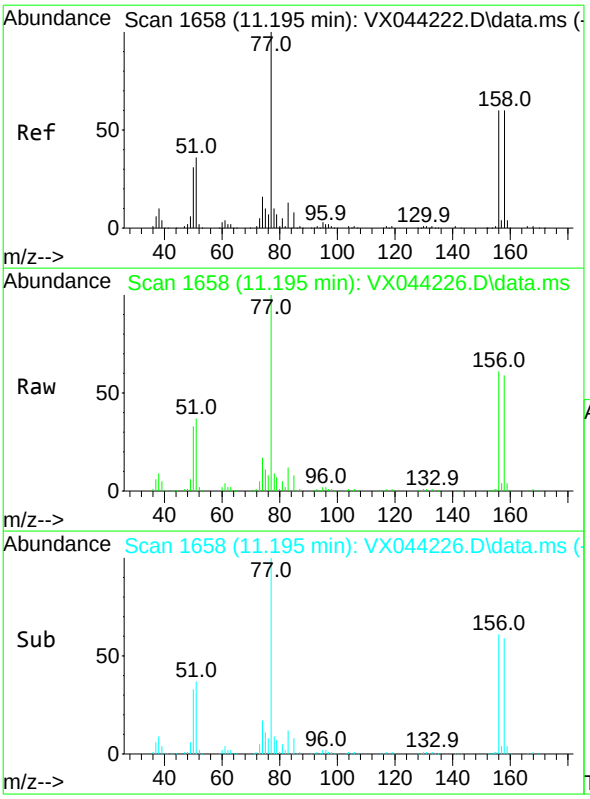



#76
1,2,3-Trichloropropane
Concen: 46.544 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 103796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.4 | 20.9 | 62.7 |

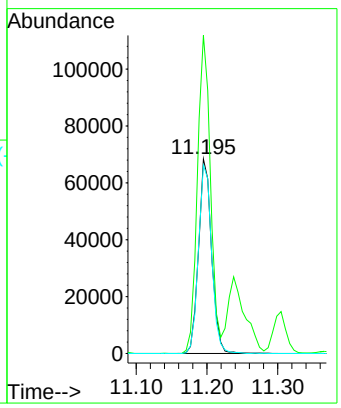





#77
Bromobenzene
Concen: 47.335 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:156 Resp: 87767

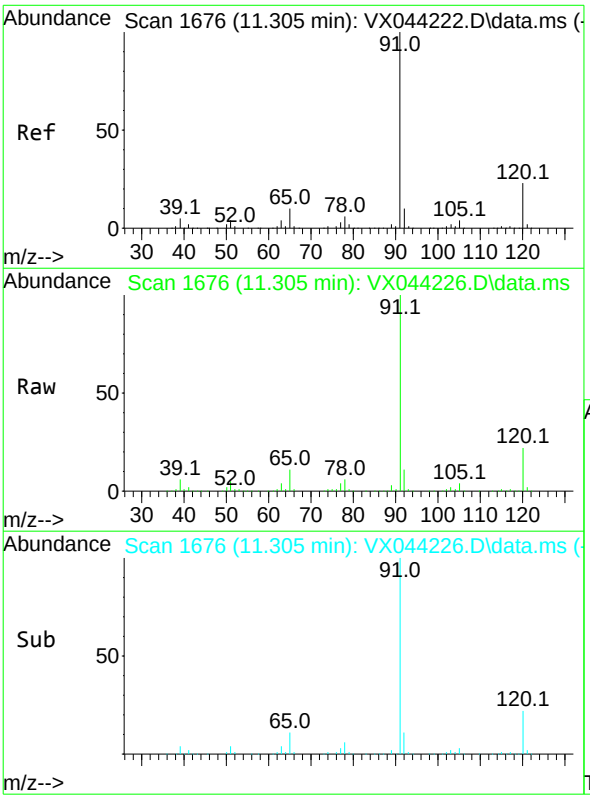
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 163.4 | 82.6 | 247.8 |
| 158 | 98.0 | 48.8 | 146.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

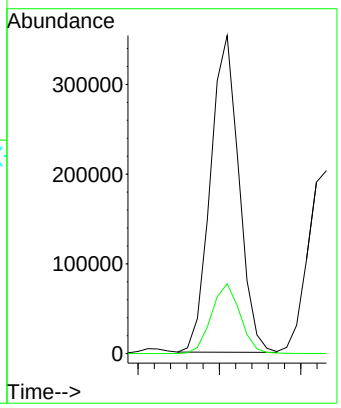
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

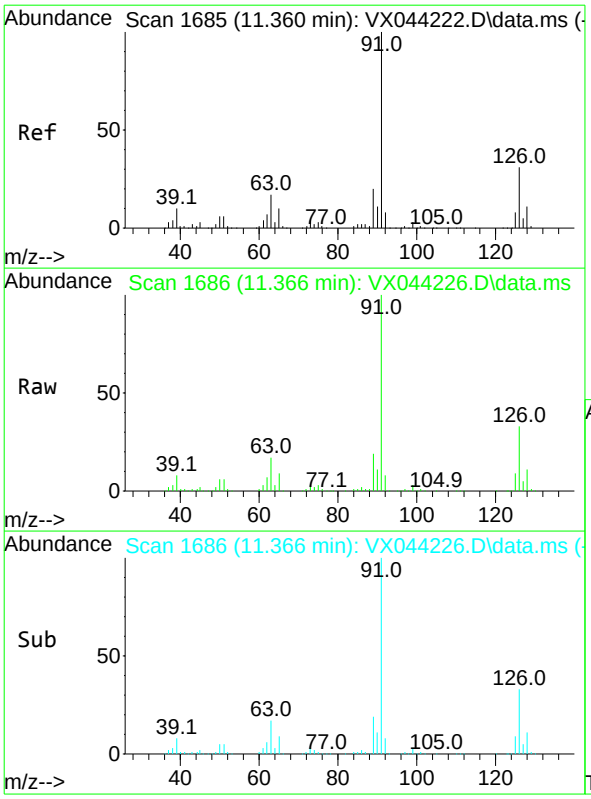



#78
n-propylbenzene
Concen: 50.816 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 429443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 47.546 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

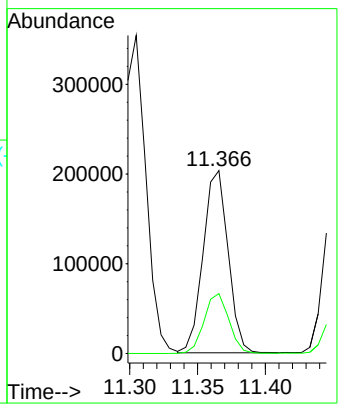
Tgt Ion: 91 Resp: 259860

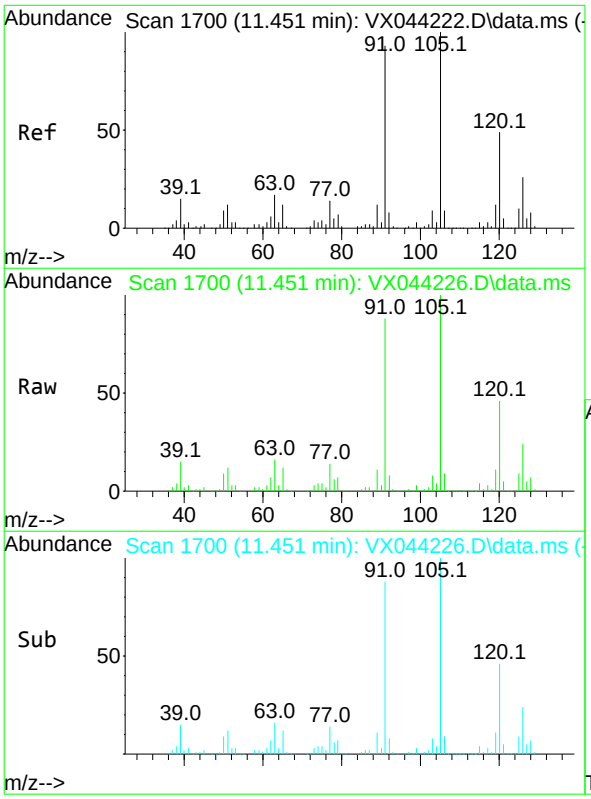
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

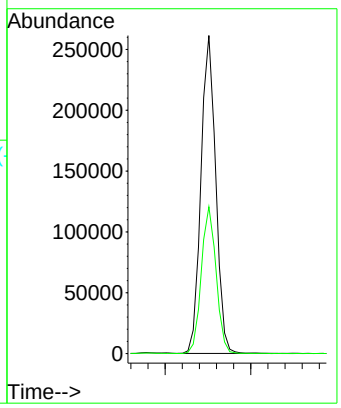


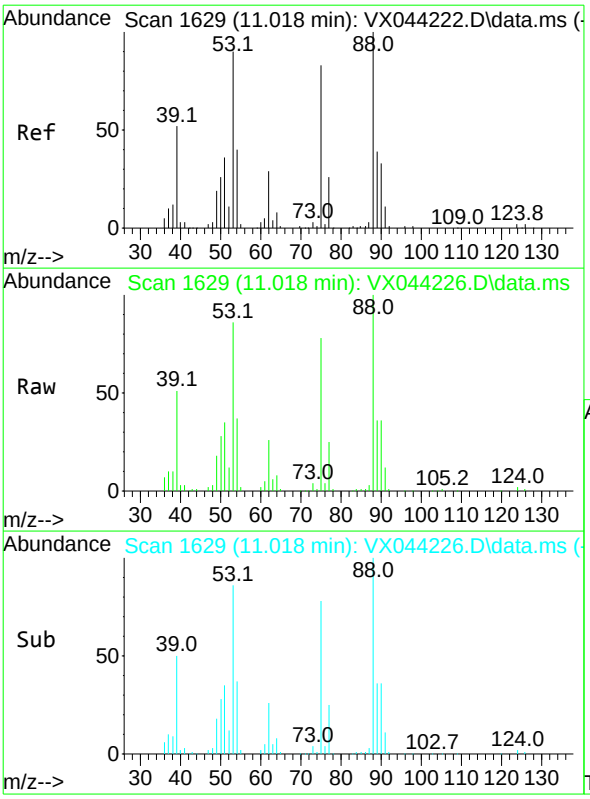




#80
1,3,5-Trimethylbenzene
Concen: 49.431 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 313435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.2 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 47.861 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

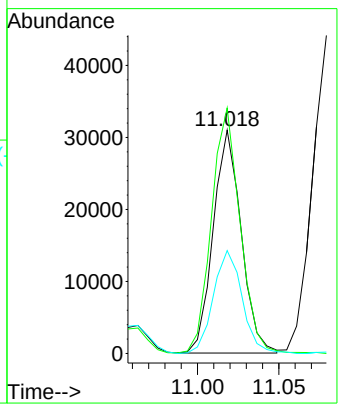
Tgt Ion: 75 Resp: 37038

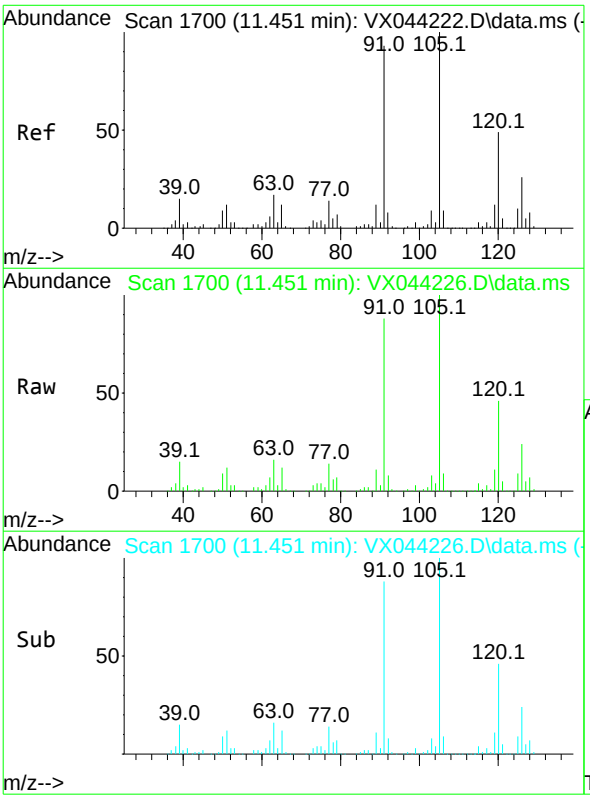
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 112.6 | 93.6 | 140.4 |
| 89 | 47.5 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

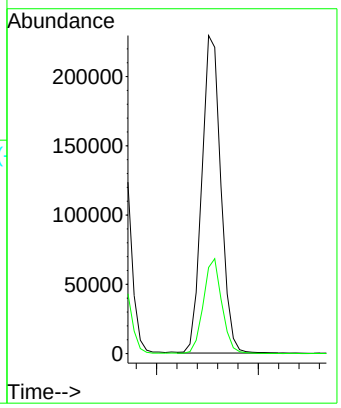


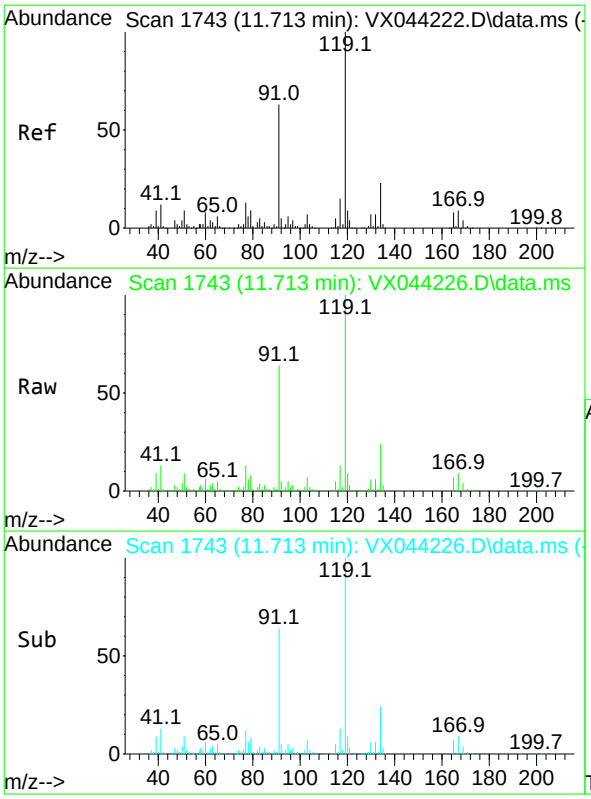




#82
4-Chlorotoluene
Concen: 49.178 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 297641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.5 | 43.5 |

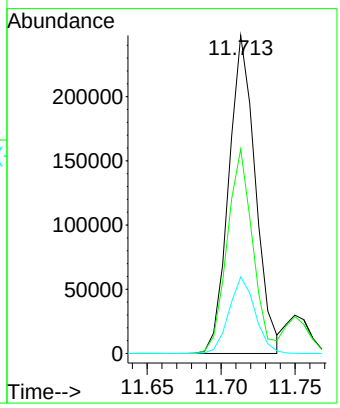





#83
tert-Butylbenzene
Concen: 49.384 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:119 Resp: 309463

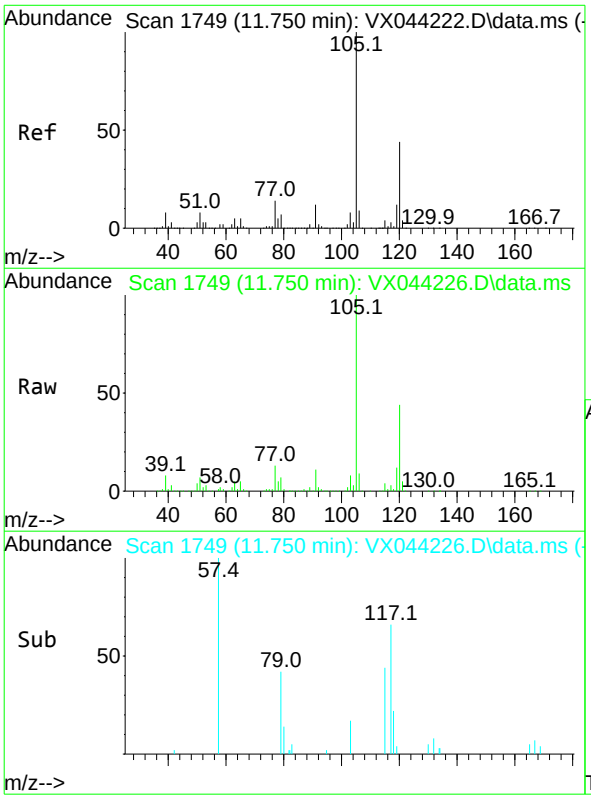
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 62.1 | 30.9 | 92.5 |
| 134 | 23.6 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

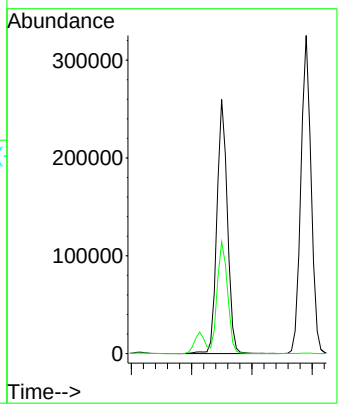
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

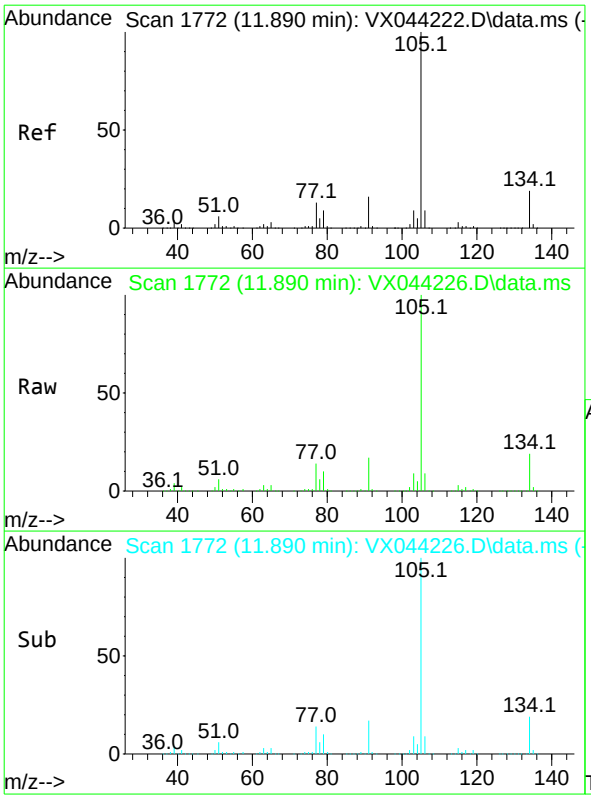



#84
1,2,4-Trimethylbenzene
Concen: 50.333 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 313433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.3 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 50.097 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

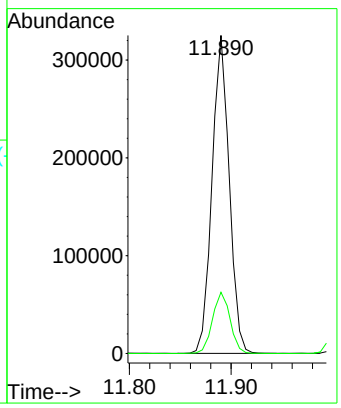
Tgt Ion:105 Resp: 381109

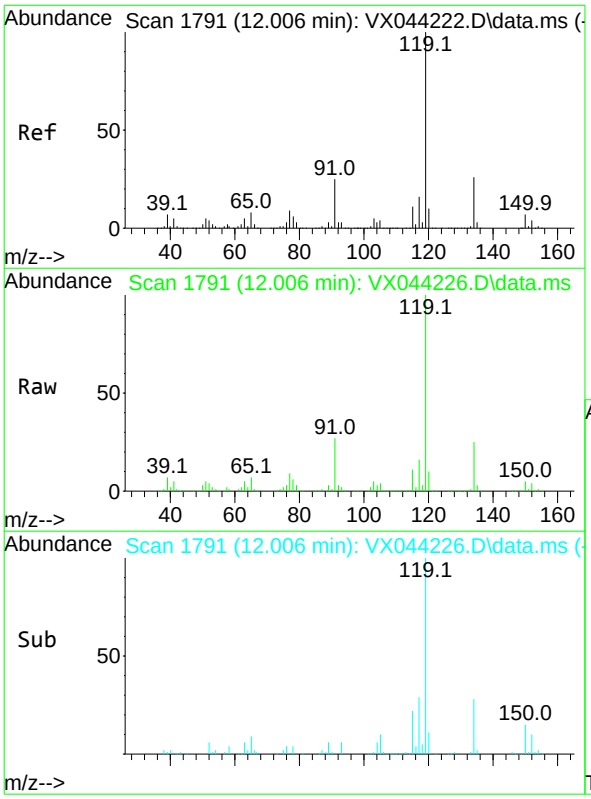
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

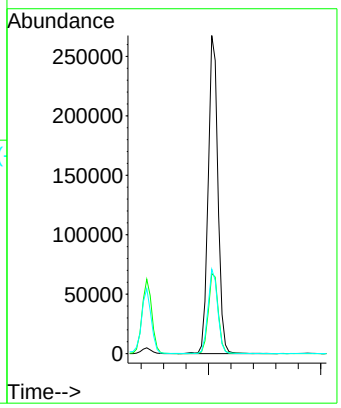


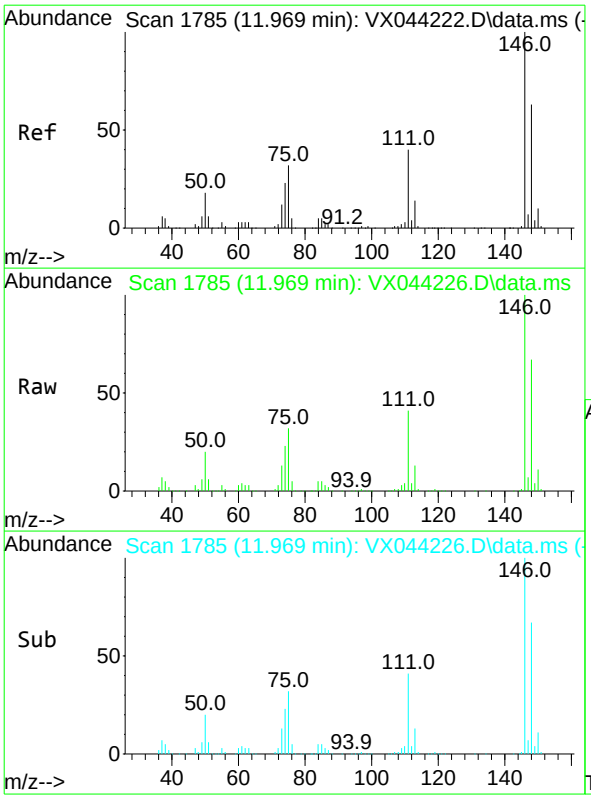




#86
p-Isopropyltoluene
Concen: 50.678 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:119 Resp: 320882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 12.8 | 38.4 |
| 91 | 26.3 | 13.0 | 39.0 |

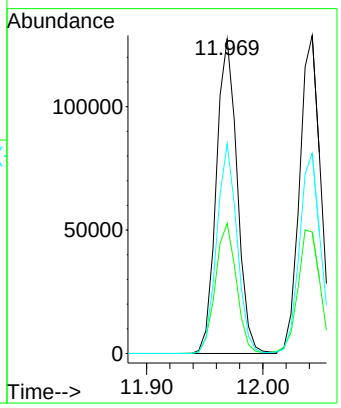





#87
1,3-Dichlorobenzene
Concen: 49.122 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:146 Resp: 159094

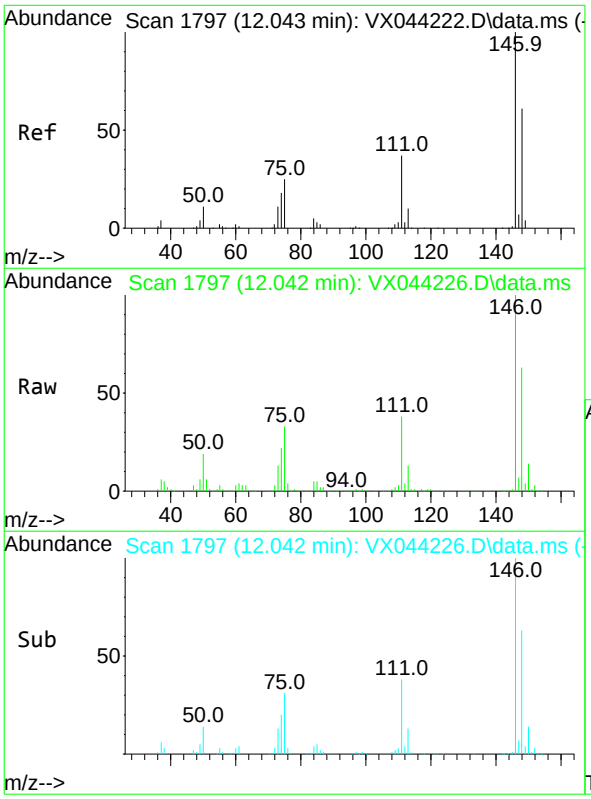
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 21.4 | 64.2 |
| 148 | 64.7 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

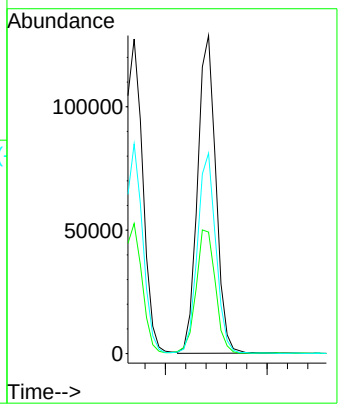
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

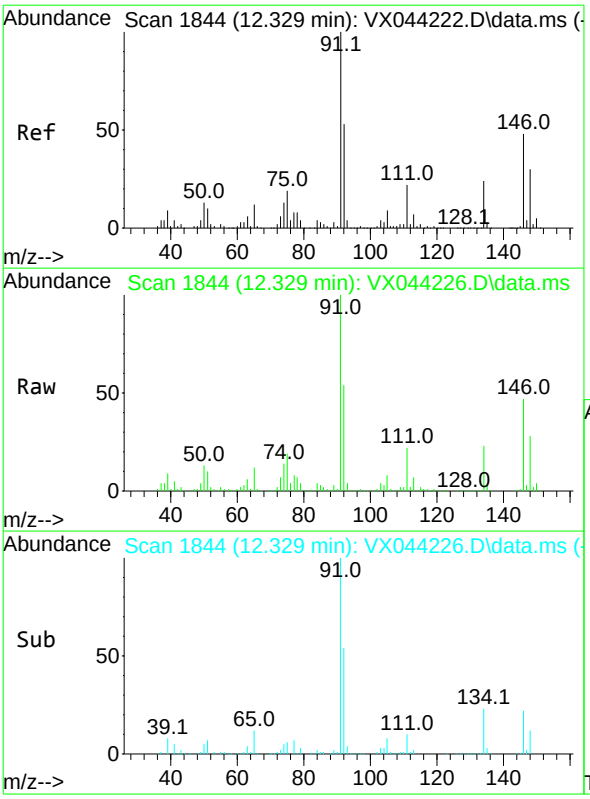



#88
1,4-Dichlorobenzene
Concen: 48.280 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:146 Resp: 160742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 21.0 | 63.0 |
| 148 | 63.6 | 32.3 | 96.8 |

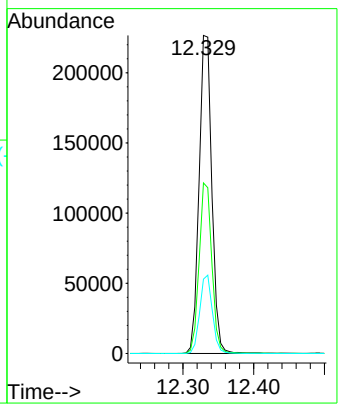





#89
n-Butylbenzene
Concen: 53.207 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 283284

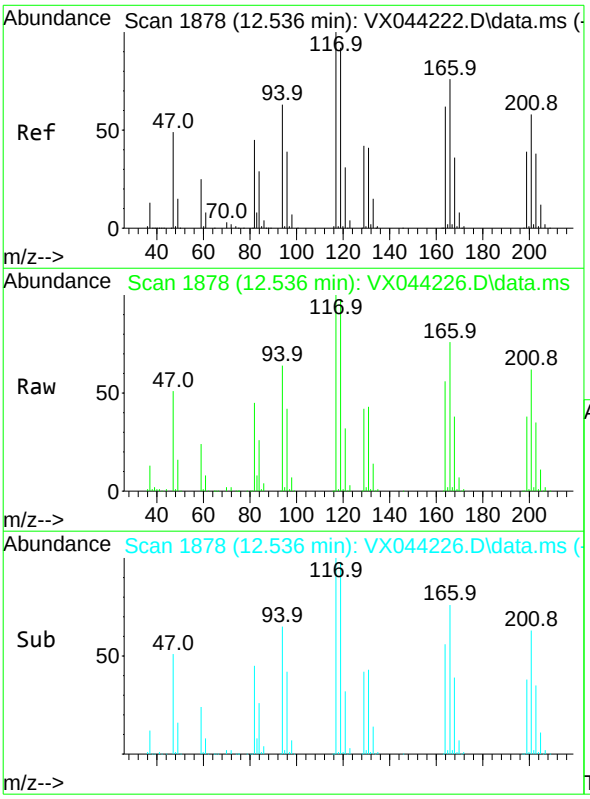
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.6 | 79.7 |
| 134 | 24.3 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

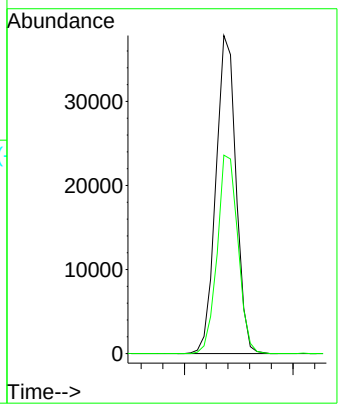
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

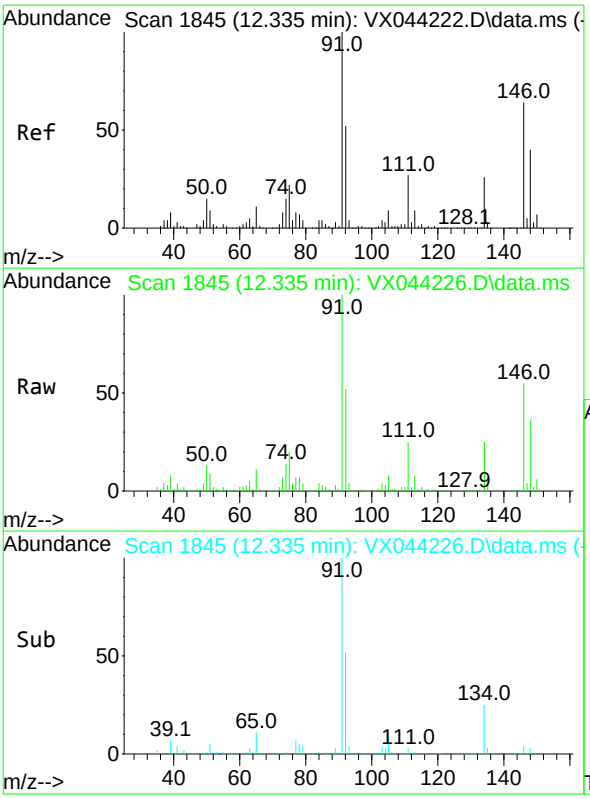



#90
Hexachloroethane
Concen: 52.727 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:117 Resp: 48734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.3 | 31.4 | 94.2 |

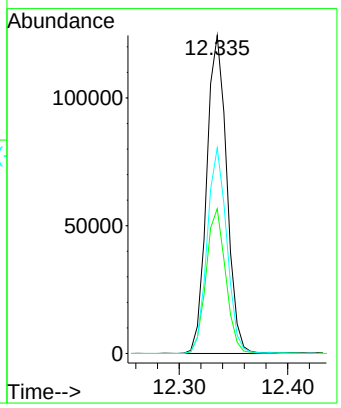





#91
1,2-Dichlorobenzene
Concen: 47.589 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:146 Resp: 160039

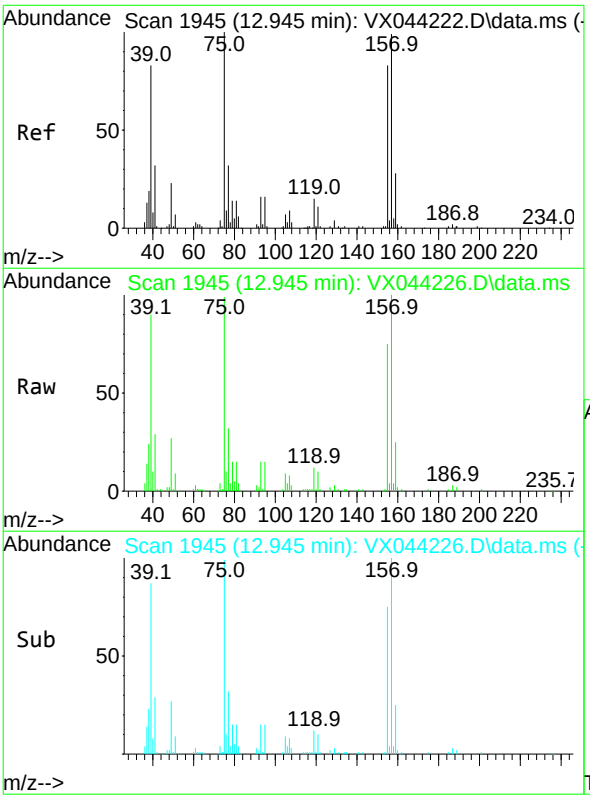
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.4 | 21.4 | 64.3 |
| 148 | 63.4 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

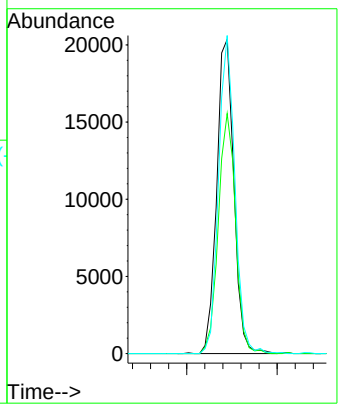
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

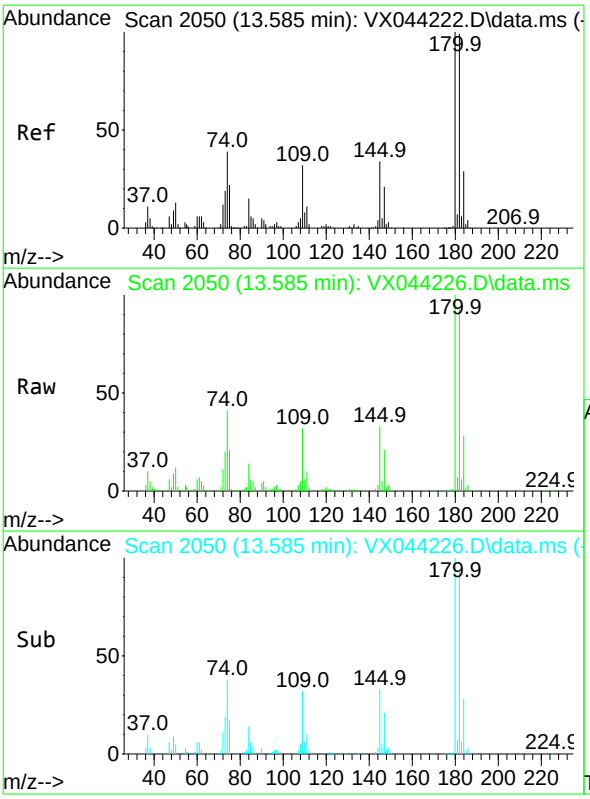



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.864 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 26738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 76.5 | 38.1 | 114.3 |
| 157 | 96.3 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 53.940 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

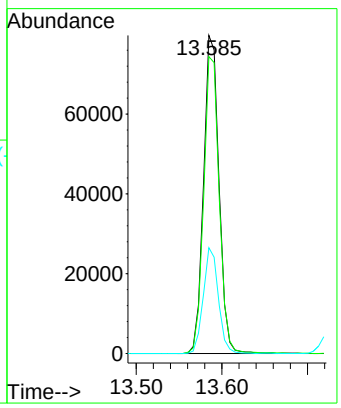
Tgt Ion:180 Resp: 99449

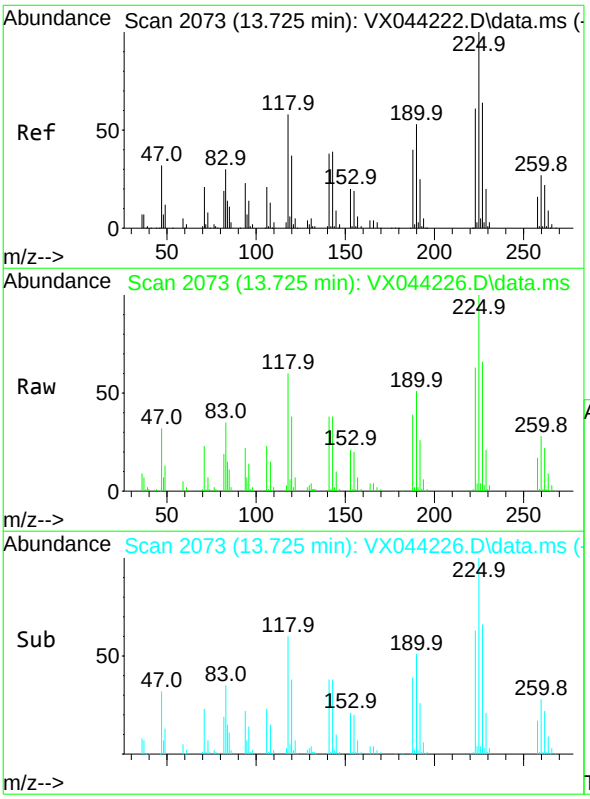
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 48.0 | 144.2 |
| 145 | 32.6 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

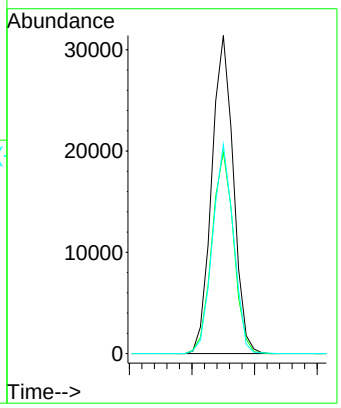


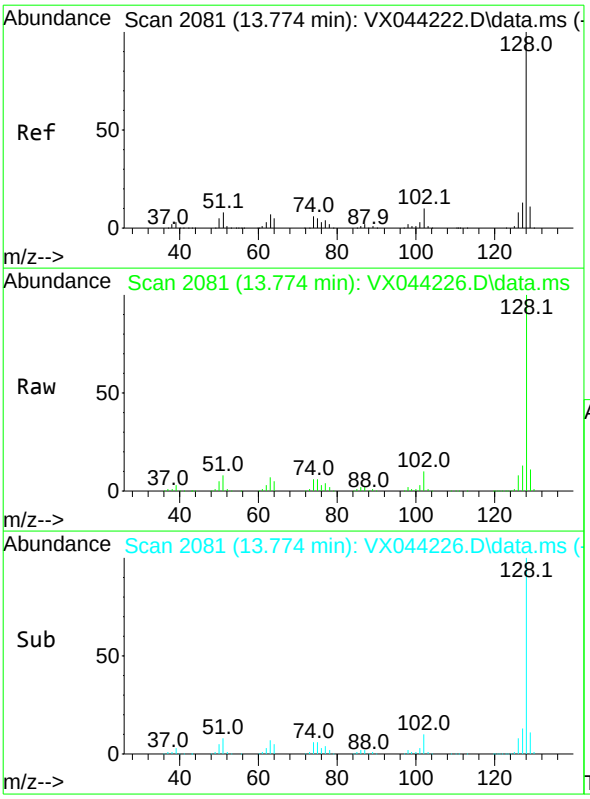




#94
Hexachlorobutadiene
Concen: 50.770 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:225 Resp: 37651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 30.8 | 92.4 |
| 227 | 63.7 | 32.1 | 96.3 |

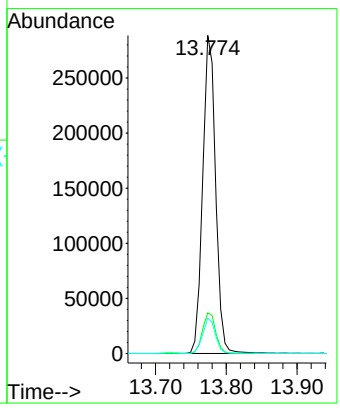





#95
Naphthalene
Concen: 50.827 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:128 Resp: 365781

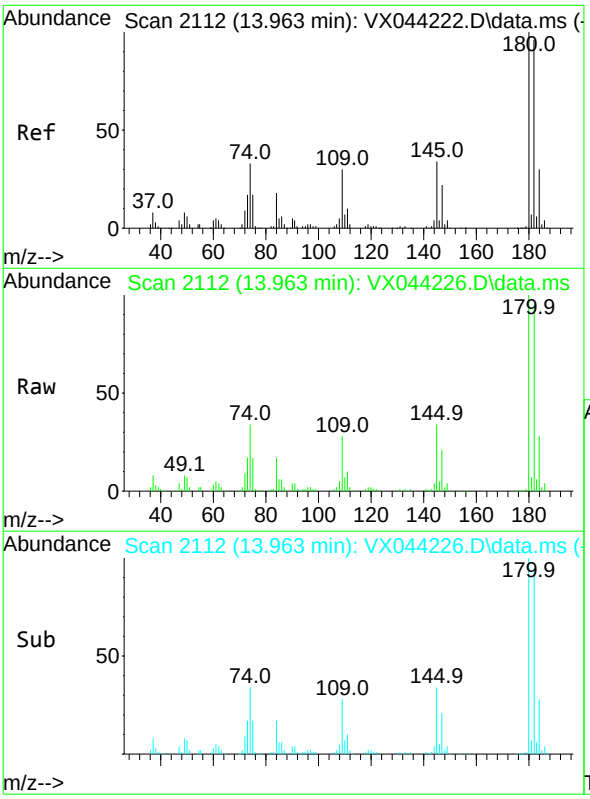
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.5 | 15.7 |
| 129 | 10.9 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

**Manual Integrations**
**APPROVED**

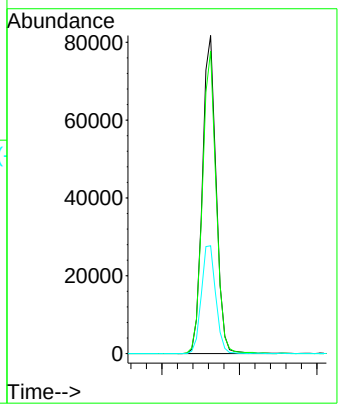
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024




#96
1,2,3-Trichlorobenzene
Concen: 51.244 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:180 Resp: 100209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 48.0 | 144.0 |
| 145 | 35.7 | 17.7 | 53.1 |



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.773 | 0.779 | -0.8 | 106 | 0.00 |
| 3 | P | Chloromethane | 0.739 | 0.690 | 6.6 | 98 | 0.00 |
| 4 | C | Vinyl Chloride | 0.770 | 0.728 | 5.5# | 99 | 0.00 |
| 5 | T | Bromomethane | 0.546 | 0.502 | 8.1 | 97 | 0.00 |
| 6 | T | Chloroethane | 0.480 | 0.468 | 2.5 | 94 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.508 | 1.517 | -0.6 | 105 | 0.00 |
| 8 | T | Diethyl Ether | 0.515 | 0.470 | 8.7 | 98 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.615 | -0.8 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 0.804 | 0.745 | 7.3 | 94 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.115 | 7.3 | 102 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.553 | 1.3# | 99 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.167 | 6.7 | 96 | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.929 | 0.4 | 98 | 0.00 |
| 15 | T | Acrylonitrile | 0.342 | 0.329 | 3.8 | 98 | 0.00 |
| 16 | T | Acetone | 0.357 | 0.388 | -8.7 | 109 | 0.00 |
| 17 | T | Carbon Disulfide | 1.065 | 1.116 | -4.8 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 0.922 | 0.861 | 6.6 | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.187 | 2.097 | 4.1 | 97 | 0.00 |
| 20 | T | Methylene Chloride | 0.671 | 0.620 | 7.6 | 96 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.577 | 3.2 | 100 | 0.00 |
| 22 | T | Diisopropyl ether | 2.102 | 1.973 | 6.1 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 1.709 | 1.767 | -3.4 | 99 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.172 | 1.126 | 3.9 | 97 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.516 | -1.6 | 100 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.952 | 1.045 | -9.8 | 107 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.756 | 0.707 | 6.5 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 0.575 | 0.515 | 10.4 | 93 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.311 | 4.6 | 98 | 0.00 |
| 30 | C | Chloroform | 1.316 | 1.217 | 7.5# | 97 | 0.00 |
| 31 | T | Cyclohexane | 0.946 | 0.936 | 1.1 | 102 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.093 | 1.090 | 0.3 | 99 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.877 | 0.800 | 8.8 | 93 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.327 | 5.5 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.448 | 0.450 | -0.4 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.577 | -4.3 | 101 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.482 | 0.499 | -3.5 | 101 | 0.00 |
| 39 | T | Methylcyclohexane | 0.535 | 0.586 | -9.5 | 107 | 0.00 |
| 40 | TM | Benzene | 1.359 | 1.333 | 1.9 | 96 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.288 | 2.0 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.560 | 0.559 | 0.2 | 97 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.893 | -3.2 | 99 | 0.00 |
| 44 | TM | Trichloroethene | 0.339 | 0.337 | 0.6 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.347 | 0.330 | 4.9# | 94 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.276 | -2.6 | 98 | 0.00 |
| 47 | T | Bromodichloromethane | 0.465 | 0.492 | -5.8 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 0.420 | 0.427 | -1.7 | 98 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.006 | 14.3 | 87 | 0.00 |
| 50 | S | Toluene-d8 | 1.168 | 1.144 | 2.1 | 93 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.556 | 0.567 | -2.0 | 98 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.840 | 1.5# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.455 | 0.509 | -11.9 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.507 | 0.543 | -7.1 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.339 | 0.343 | -1.2 | 97 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.535 | 0.566 | -5.8 | 100 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.580 | 1.7 | 96 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.280 | -3.7 | 97 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.438 | -8.7 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 0.326 | 0.352 | -8.0 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.358 | -3.8 | 99 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.408 | 0.409 | -0.2 | 94 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 0.332 | 0.317 | 4.5 | 101 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.031 | 3.7 | 97 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.344 | 0.354 | -2.9 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 1.851 | 1.831 | 1.1# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.679 | 0.0 | 98 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.684 | 0.4 | 100 | 0.00 |
| 70 | T | Styrene | 1.102 | 1.137 | -3.2 | 100 | 0.00 |
| 71 | P | Bromoform | 0.219 | 0.242 | -10.5 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 3.828 | 3.752 | 2.0 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 1.769 | 1.840 | -4.0 | 101 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.329 | 1.268 | 4.6 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.116 | 1.039 | 6.9 | 97 | 0.00 |
| 77 | T | Bromobenzene | 0.928 | 0.879 | 5.3 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 4.231 | 4.300 | -1.6 | 100 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.736 | 2.602 | 4.9 | 98 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.174 | 3.138 | 1.1 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.347 | 0.371 | -6.9 | 105 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.030 | 2.980 | 1.7 | 100 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.137 | 3.098 | 1.2 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.117 | 3.138 | -0.7 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.808 | 3.816 | -0.2 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.170 | 3.213 | -1.4 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.621 | 1.593 | 1.7 | 99 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.609 | 3.5 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 2.665 | 2.836 | -6.4 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 0.463 | 0.488 | -5.4 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.602 | 4.8 | 97 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.268 | -3.9 | 103 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.923 | 0.996 | -7.9 | 107 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.371 | 0.377 | -1.6 | 107 | 0.00 |
| 95 | T | Naphthalene | 3.603 | 3.662 | -1.6 | 100 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.979 | 1.003 | -2.5 | 103 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 50.390 | -0.8 | 106 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.681 | 6.6 | 98 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.260 | 5.5# | 99 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 45.926 | 8.1 | 97 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.801 | 2.4 | 94 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.311 | -0.6 | 105 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 45.658 | 8.7 | 98 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.374 | -0.7 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 46.349 | 7.3 | 94 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 233.680 | 6.5 | 102 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.311 | 1.4# | 99 | 0.00 |
| 13 | T | Acrolein | 250.000 | 233.162 | 6.7 | 96 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.744 | 0.5 | 98 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 240.620 | 3.8 | 98 | 0.00 |
| 16 | T | Acetone | 250.000 | 271.312 | -8.5 | 109 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 52.397 | -4.8 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 46.725 | 6.5 | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 47.940 | 4.1 | 97 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.170 | 7.7 | 96 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.459 | 3.1 | 100 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 46.922 | 6.2 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 258.510 | -3.4 | 99 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.056 | 3.9 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 253.747 | -1.5 | 100 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 54.872 | -9.7 | 107 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 46.709 | 6.6 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 44.832 | 10.3 | 93 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 238.031 | 4.8 | 98 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.235 | 7.5# | 97 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.443 | 1.1 | 102 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.895 | 0.2 | 99 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.646 | 8.7 | 93 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 47.228 | 5.5 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.314 | -0.6 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.176 | -4.4 | 101 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.763 | -3.5 | 101 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 54.761 | -9.5 | 107 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.052 | 1.9 | 96 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 48.945 | 2.1 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.960 | 0.1 | 97 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.624 | -3.2 | 99 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.741 | 0.5 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 47.528 | 4.9# | 94 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.227 | -2.5 | 98 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.893 | -5.8 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.852 | -1.7 | 98 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 923.966 | 7.6 | 87 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.968 | 2.1 | 93 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 255.038 | -2.0 | 98 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.199 | 1.6# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.864 | -1.7 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.607 | -7.2 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.562 | -1.1 | 97 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.890 | -5.8 | 100 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.165 | 1.7 | 96 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 259.586 | -3.8 | 97 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 271.943 | -8.8 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.073 | 1.9 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.909 | -3.8 | 99 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.098 | -0.2 | 94 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.702 | 4.6 | 101 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.133 | 3.7 | 97 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.396 | -2.8 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.461 | 1.1# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.896 | 0.1 | 98 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.750 | 0.5 | 100 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.617 | -3.2 | 100 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.269 | -0.5 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.014 | 2.0 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 52.003 | -4.0 | 101 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 47.676 | 4.6 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.544 | 6.9 | 97 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 47.335 | 5.3 | 98 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.816 | -1.6 | 100 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.546 | 4.9 | 98 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.431 | 1.1 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.861 | 4.3 | 105 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.178 | 1.6 | 100 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.384 | 1.2 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.333 | -0.7 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.097 | -0.2 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.678 | -1.4 | 101 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.122 | 1.8 | 99 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.280 | 3.4 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 53.207 | -6.4 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 52.727 | -5.5 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.589 | 4.8 | 97 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.864 | -3.7 | 103 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 53.940 | -7.9 | 107 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.770 | -1.5 | 107 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.827 | -1.7 | 100 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.244 | -2.5 | 103 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044397.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/18/2024 21:48

Lab File ID: VX044397.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.773 | 0.795 | | 2.85 | 20 |
| Chloromethane | 0.739 | 0.800 | 0.1 | 8.25 | 20 |
| Vinyl Chloride | 0.770 | 0.816 | | 5.97 | 20 |
| Bromomethane | 0.546 | 0.536 | | -1.83 | 20 |
| Chloroethane | 0.480 | 0.583 | | 21.46 | 20 |
| Trichlorofluoromethane | 1.508 | 1.283 | | -14.92 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.610 | 0.605 | | -0.82 | 20 |
| 1,1-Dichloroethene | 0.560 | 0.606 | | 8.21 | 20 |
| Acetone | 0.357 | 0.316 | | -11.48 | 20 |
| Carbon Disulfide | 1.065 | 1.175 | | 10.33 | 20 |
| Methyl tert-butyl Ether | 2.187 | 2.162 | | -1.14 | 20 |
| Methyl Acetate | 0.922 | 0.917 | | -0.54 | 20 |
| Methylene Chloride | 0.671 | 0.694 | | 3.43 | 20 |
| trans-1,2-Dichloroethene | 0.596 | 0.622 | | 4.36 | 20 |
| 1,1-Dichloroethane | 1.172 | 1.235 | 0.1 | 5.38 | 20 |
| Cyclohexane | 0.946 | 0.938 | | -0.85 | 20 |
| 2-Butanone | 0.508 | 0.502 | | -1.18 | 20 |
| Carbon Tetrachloride | 0.482 | 0.502 | | 4.15 | 20 |
| cis-1,2-Dichloroethene | 0.756 | 0.766 | | 1.32 | 20 |
| Bromochloromethane | 0.575 | 0.549 | | -4.52 | 20 |
| Chloroform | 1.316 | 1.307 | | -0.68 | 20 |
| 1,1,1-Trichloroethane | 1.093 | 1.128 | | 3.2 | 20 |
| Methylcyclohexane | 0.535 | 0.545 | | 1.87 | 20 |
| Benzene | 1.359 | 1.475 | | 8.54 | 20 |
| 1,2-Dichloroethane | 0.560 | 0.564 | | 0.71 | 20 |
| Trichloroethene | 0.339 | 0.355 | | 4.72 | 20 |
| 1,2-Dichloropropane | 0.347 | 0.365 | | 5.19 | 20 |
| Bromodichloromethane | 0.465 | 0.515 | | 10.75 | 20 |
| 4-Methyl-2-Pentanone | 0.556 | 0.569 | | 2.34 | 20 |
| Toluene | 0.853 | 0.893 | | 4.69 | 20 |
| t-1,3-Dichloropropene | 0.455 | 0.481 | | 5.71 | 20 |
| cis-1,3-Dichloropropene | 0.507 | 0.550 | | 8.48 | 20 |
| 1,1,2-Trichloroethane | 0.339 | 0.364 | | 7.38 | 20 |
| 2-Hexanone | 0.403 | 0.416 | | 3.23 | 20 |
| Dibromochloromethane | 0.326 | 0.357 | | 9.51 | 20 |
| 1,2-Dibromoethane | 0.345 | 0.374 | | 8.41 | 20 |
| Tetrachloroethene | 0.332 | 0.350 | | 5.42 | 20 |
| Chlorobenzene | 1.071 | 1.130 | 0.3 | 5.51 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044397.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/18/2024 21:48

Lab File ID: VX044397.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 1.951 | | 5.4 | 20 |
| m/p-Xylenes | 0.679 | 0.742 | | 9.28 | 20 |
| o-Xylene | 0.687 | 0.733 | | 6.7 | 20 |
| Styrene | 1.102 | 1.211 | | 9.89 | 20 |
| Bromoform | 0.219 | 0.252 | 0.1 | 15.07 | 20 |
| Isopropylbenzene | 3.828 | 4.037 | | 5.46 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.329 | 1.368 | 0.3 | 2.93 | 20 |
| 1,3-Dichlorobenzene | 1.621 | 1.711 | | 5.55 | 20 |
| 1,4-Dichlorobenzene | 1.667 | 1.693 | | 1.56 | 20 |
| 1,2-Dichlorobenzene | 1.684 | 1.757 | | 4.34 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.258 | 0.249 | | -3.49 | 20 |
| 1,2,4-Trichlorobenzene | 0.923 | 0.990 | | 7.26 | 20 |
| 1,2,3-Trichlorobenzene | 0.979 | 1.012 | | 3.37 | 20 |
| 1,2-Dichloroethane-d4 | 0.877 | 0.798 | | -9.01 | 20 |
| Dibromofluoromethane | 0.346 | 0.354 | | 2.31 | 20 |
| Toluene-d8 | 1.168 | 1.174 | | 0.51 | 20 |
| 4-Bromofluorobenzene | 0.408 | 0.401 | | -1.72 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 135217 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 239936 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 204282 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 94679 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 107888 | 45.507 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.020% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 85012 | 51.157 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.320% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 281622 | 50.233 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.460% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 96109 | 49.060 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 98.120% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 107432 | 51.383 | ug/l | 98 |
| 3) Chloromethane | 1.295 | 50 | 108198 | 54.116 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 110360 | 52.982 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 72410 | 49.001 | ug/l | 99 |
| 6) Chloroethane | 1.666 | 64 | 78870 | 60.808 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 173515 | 42.551 | ug/l | 99 |
| 8) Diethyl Ether | 2.130 | 74 | 68057 | 48.894 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 81792 | 49.568 | ug/l | 98 |
| 10) Methyl Iodide | 2.441 | 142 | 120260 | 55.298 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.989 | 59 | 77901 | 233.146 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 81977 | 54.088 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 139192 | 287.785 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 132780 | 52.597 | ug/l | 97 |
| 15) Acrylonitrile | 3.069 | 53 | 244567 | 264.238 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 213764 | 221.165 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 158857 | 55.140 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 124059 | 49.781 | ug/l | 95 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 292313 | 49.423 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 93795 | 51.666 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 84135 | 52.232 | ug/l | 96 |
| 22) Diisopropyl ether | 3.764 | 45 | 287589 | 50.590 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 1248223 | 270.083 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 166932 | 52.681 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 339552 | 247.114 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 111451 | 43.294 | ug/l | 94 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 103578 | 50.631 | ug/l | 96 |
| 28) Bromochloromethane | 4.891 | 49 | 74260 | 47.791 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 217698 | 246.831 | ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 176742 | 49.644 | ug/l | 100 |
| 31) Cyclohexane | 5.458 | 56 | 126871 | 49.582 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 152533 | 51.614 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 110493 | 51.438 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 136208 | 51.297 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 120403 | 52.064 | ug/l | 95 |
| 39) Methylcyclohexane | 7.379 | 83 | 130669 | 50.884 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 353789 | 54.246 | ug/l | 97 |

Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 74342 | 52.726 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 135405 | 50.400 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 215421 | 51.907 | ug/l | | 98 |
| 44) Trichloroethene | 7.123 | 130 | 85228 | 52.403 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 87563 | 52.551 | ug/l | | 95 |
| 46) Dibromomethane | 7.580 | 93 | 68412 | 52.923 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.824 | 83 | 123638 | 55.381 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 100291 | 49.782 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 25452 | 762.005 | ug/l | # | 77 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 682557 | 255.786 | ug/l | | 98 |
| 52) Toluene | 8.720 | 92 | 214145 | 52.287 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 115357 | 48.259 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 131957 | 54.285 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 87322 | 53.669 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 136992 | 53.333 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 147976 | 52.251 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 319257 | 246.430 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 498511 | 258.095 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 85744 | 49.779 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 89694 | 54.158 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.275 | 164 | 71547 | 52.769 | ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 230882 | 52.745 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 79028 | 56.175 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 398506 | 52.690 | ug/l | | 96 |
| 68) m/p-Xylenes | 10.299 | 106 | 303258 | 109.271 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 149680 | 53.305 | ug/l | | 97 |
| 70) Styrene | 10.653 | 104 | 247455 | 54.971 | ug/l | | 97 |
| 71) Bromoform | 10.799 | 173 | 51387 | 52.002 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.964 | 105 | 382227 | 52.735 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 175282 | 52.327 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 129501 | 51.441 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 106791m | 50.517 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 91662 | 52.151 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 428354 | 53.471 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 259611 | 50.109 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 312728 | 52.028 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 32905 | 45.206 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 296313 | 51.648 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 315339 | 53.085 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 314902 | 53.346 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 378572 | 52.496 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 308993 | 51.481 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 161986 | 52.762 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 160295 | 50.790 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 265516 | 52.608 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 48574 | 55.440 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 166397 | 52.197 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 23556 | 48.201 | ug/l | | 92 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 93745 | 53.639 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 37797 | 53.766 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 341241 | 50.021 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 95779 | 51.669 | ug/l | | 98 |

Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
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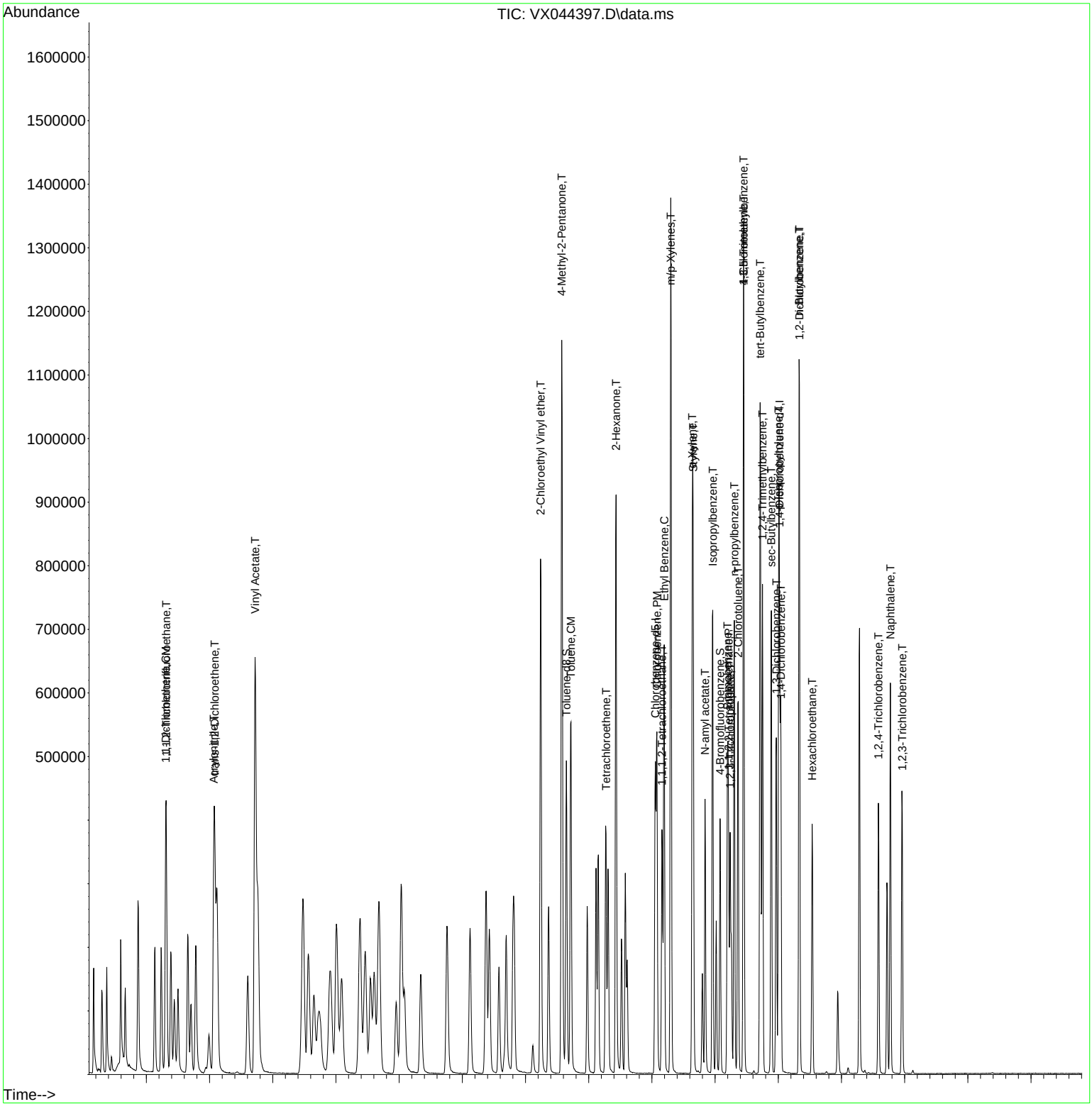
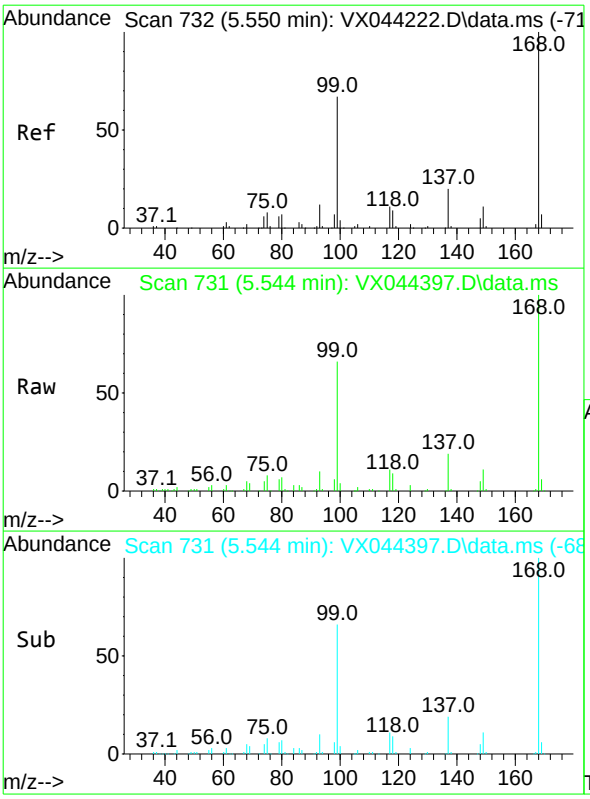
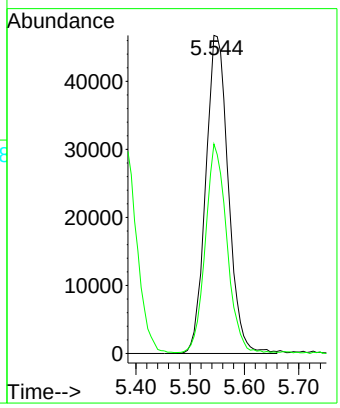





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:168 Resp: 135217

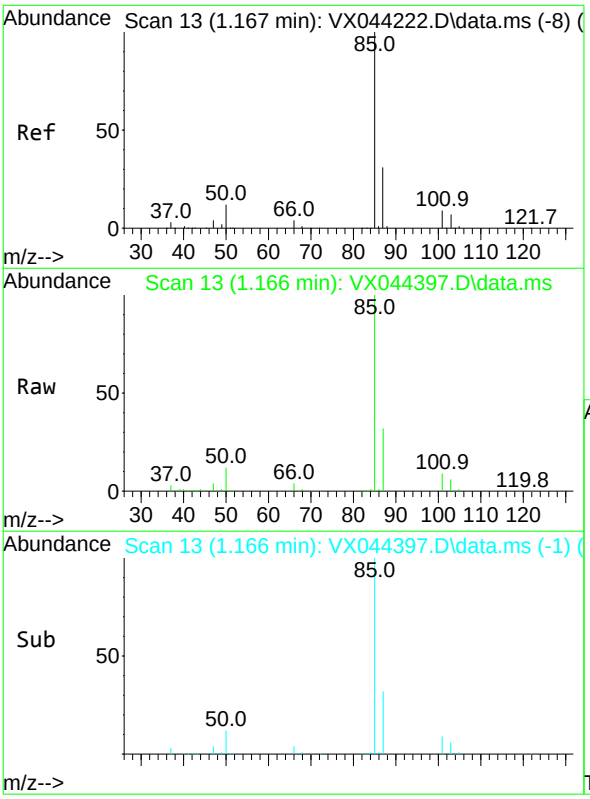
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.5 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

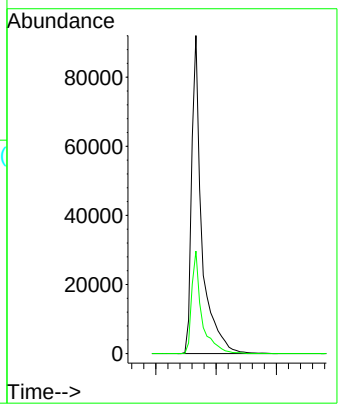
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

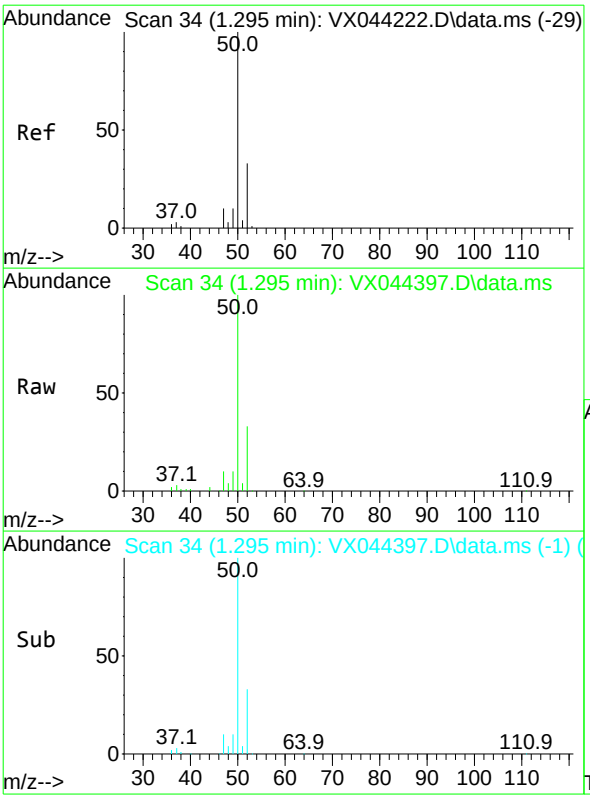



#2
Dichlorodifluoromethane
Concen: 51.383 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 85 Resp: 107432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 15.4 | 46.4 |

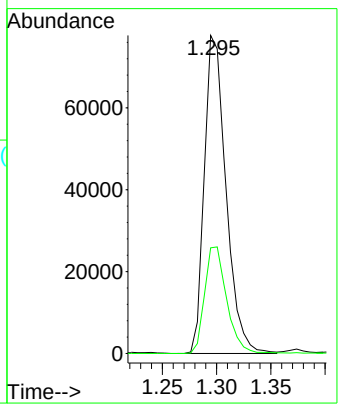





#3
Chloromethane
Concen: 54.116 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 50 Resp: 108198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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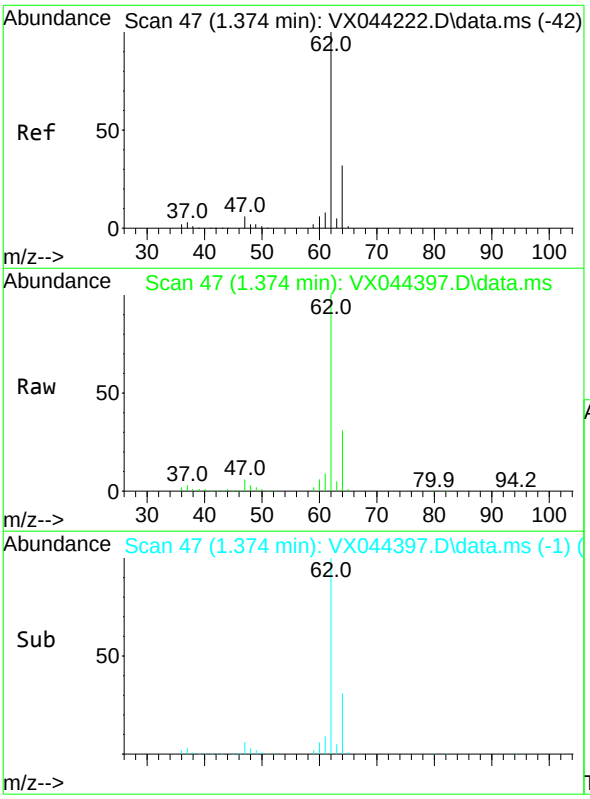
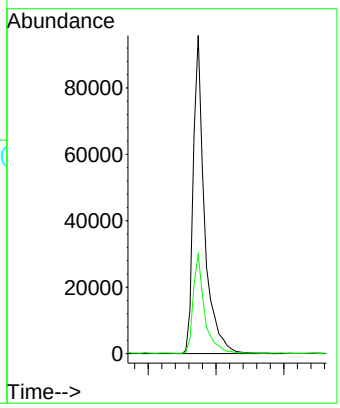
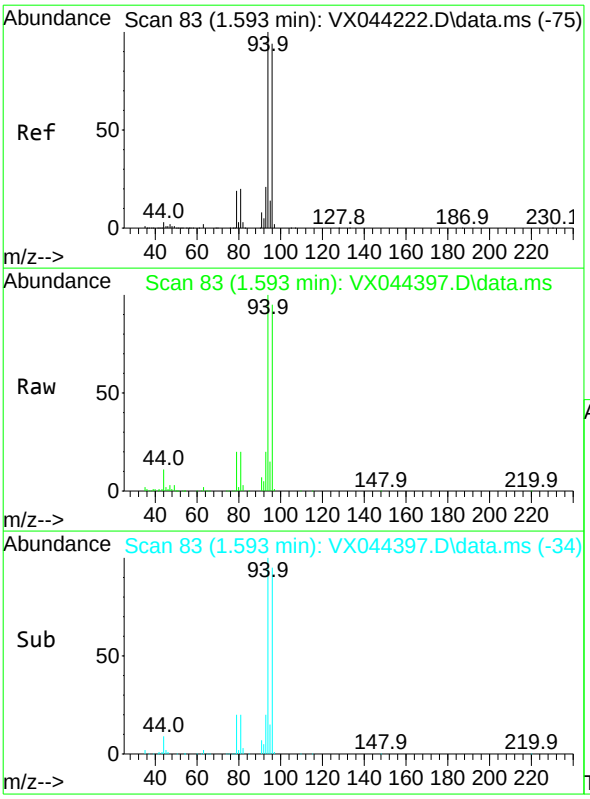



#4
Vinyl Chloride
Concen: 52.982 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 62 Resp: 110360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 25.7 | 38.5 |

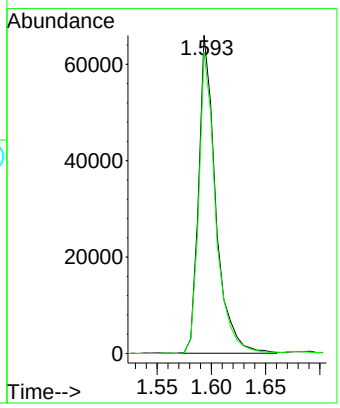





#5
Bromomethane
Concen: 49.001 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 94 Resp: 72410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.8 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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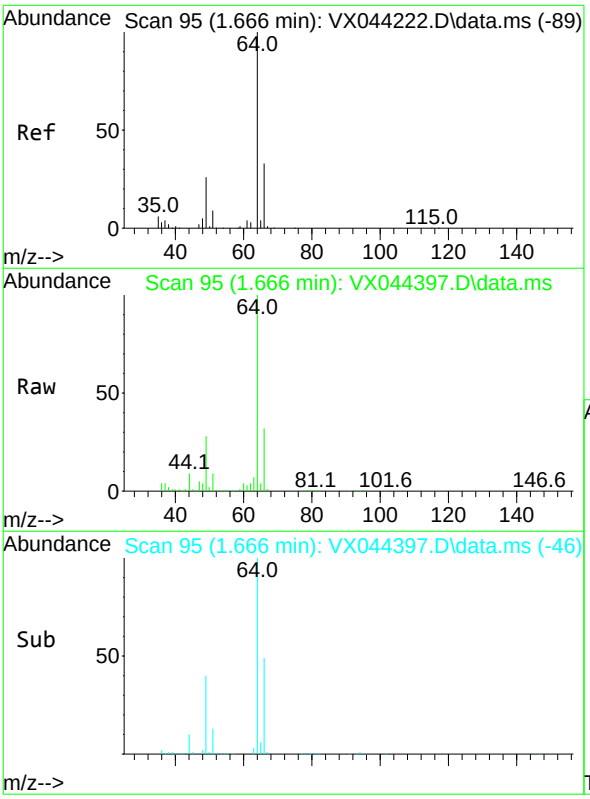
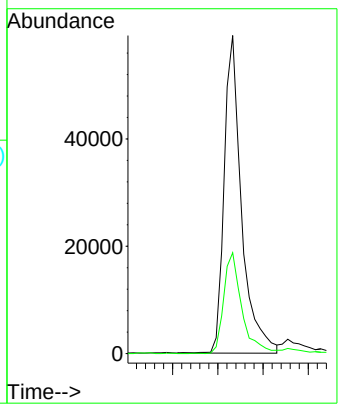
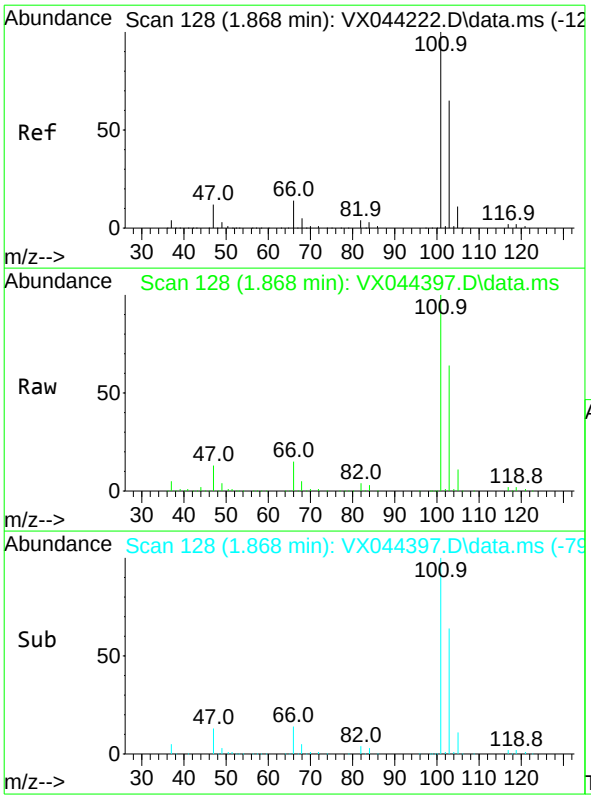



#6
Chloroethane
Concen: 60.808 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 64 Resp: 78870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 26.6 | 39.8 |

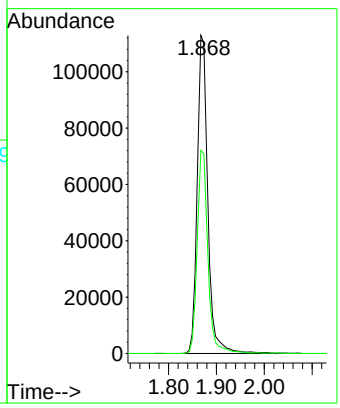





#7
Trichlorofluoromethane
Concen: 42.551 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:101 Resp: 173515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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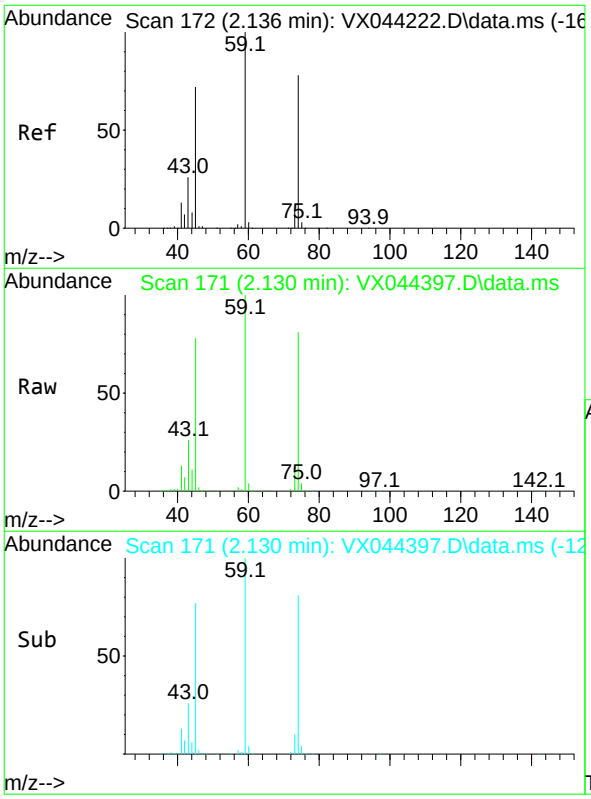
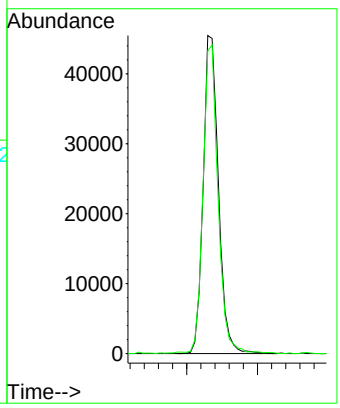
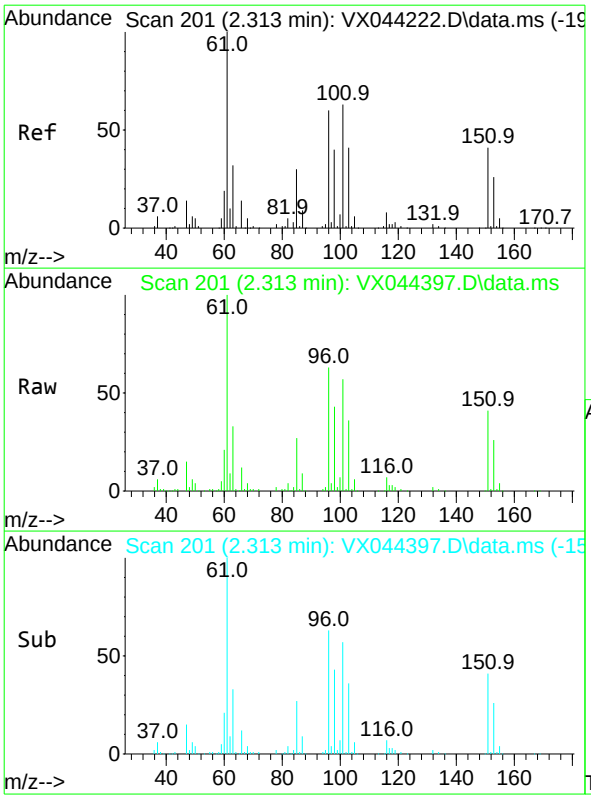



#8
Diethyl Ether
Concen: 48.894 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 74 Resp: 68057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.2 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.568 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:101 Resp: 81792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.2 | 38.5 | 57.7 |
| 151 | 72.2 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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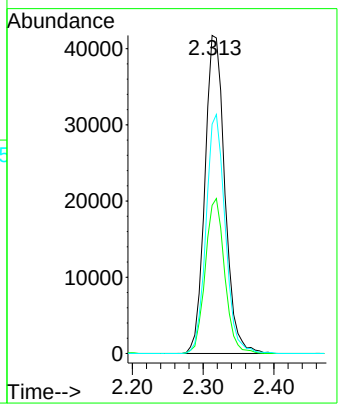
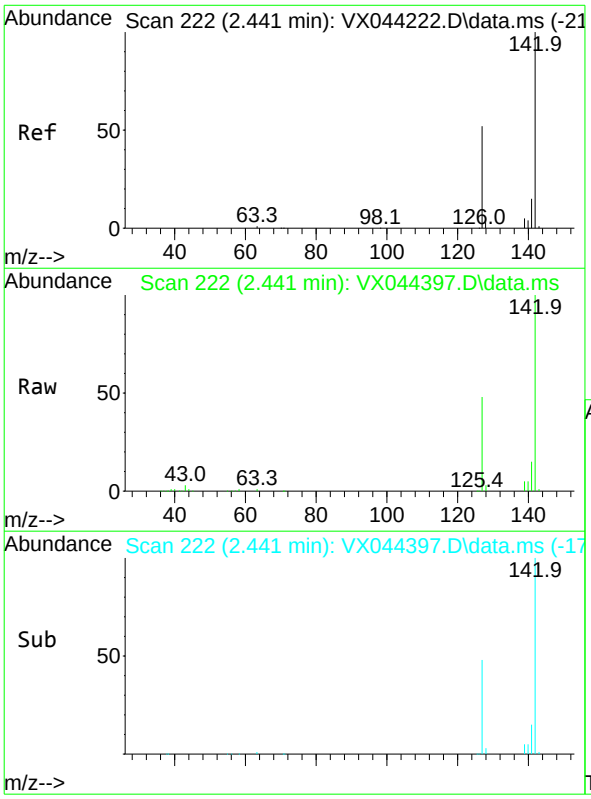
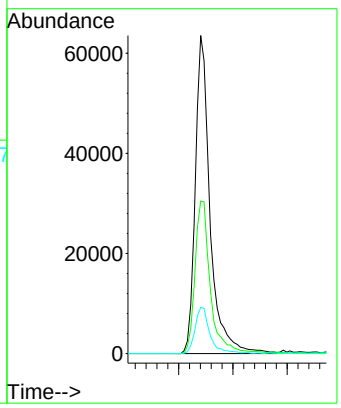


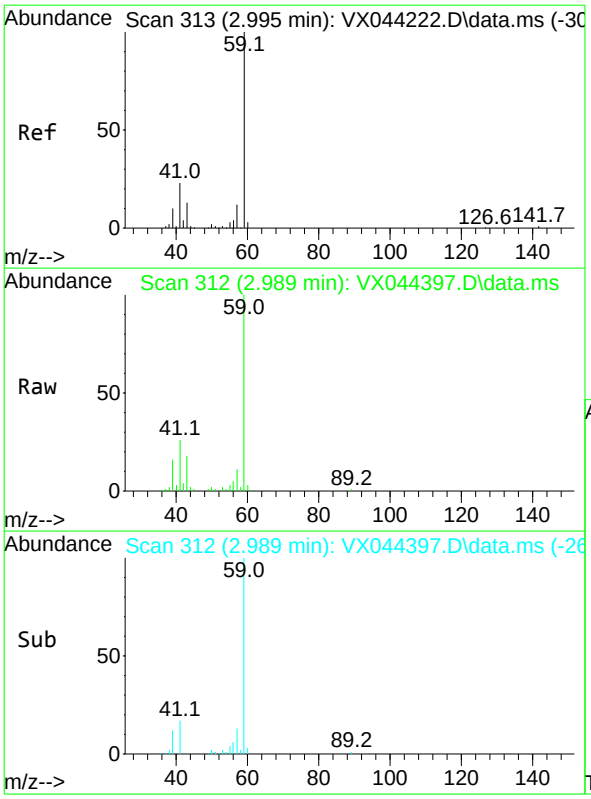




#10
Methyl Iodide
Concen: 55.298 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:142 Resp: 120260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.0 | 41.8 | 62.8 |
| 141 | 14.8 | 11.5 | 17.3 |

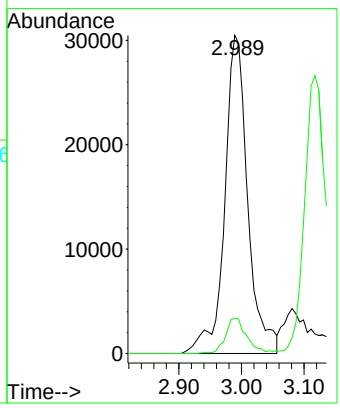





#11
Tert butyl alcohol
Concen: 233.146 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 59 Resp: 77901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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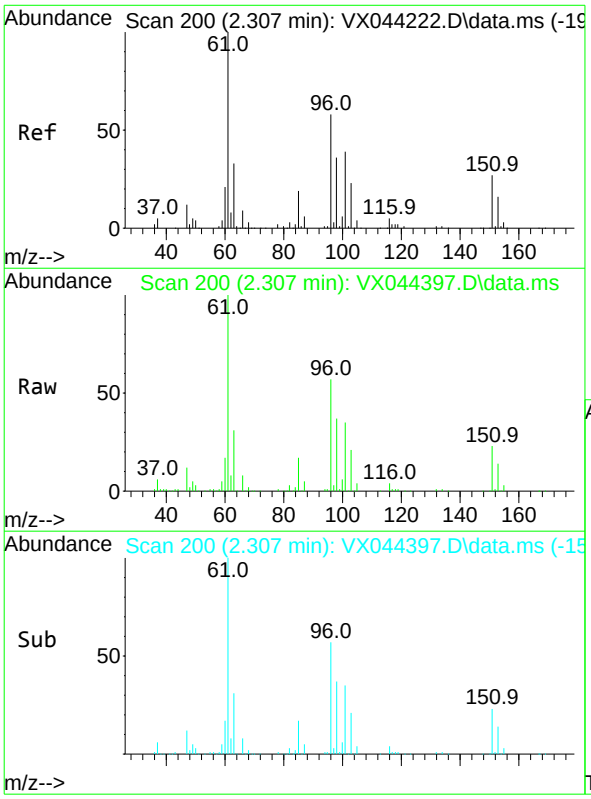
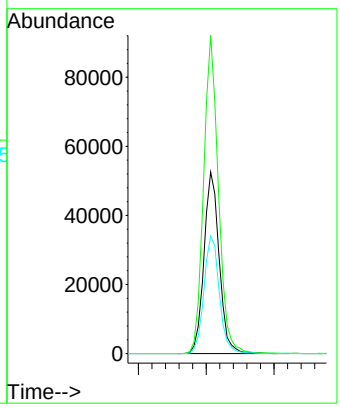
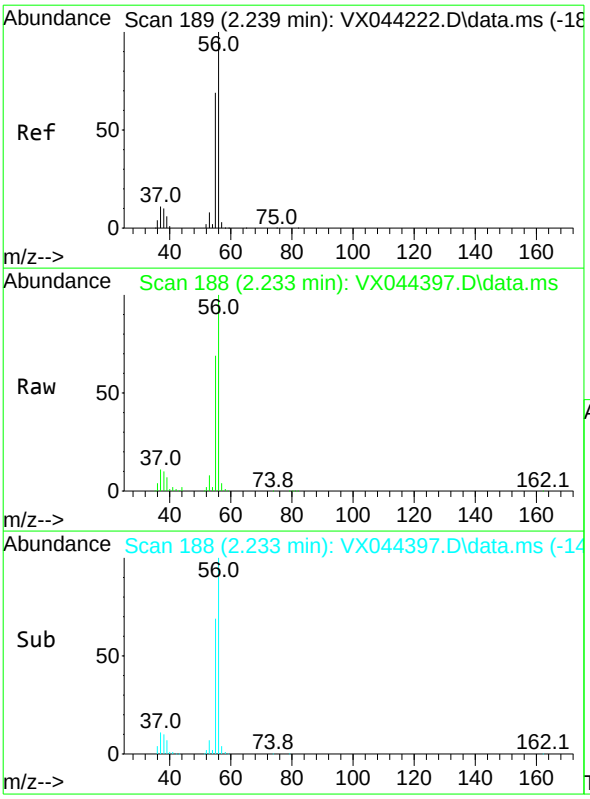



#12
1,1-Dichloroethene
Concen: 54.088 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 96 Resp: 81977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.1 | 138.0 | 207.0 |
| 98 | 64.7 | 50.0 | 75.0 |

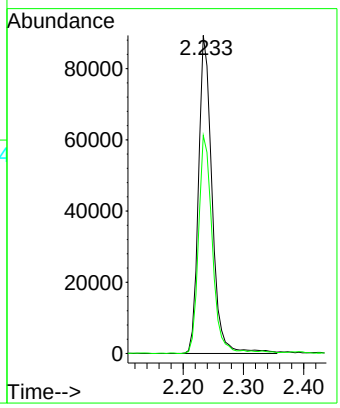





#13
Acrolein
Concen: 287.785 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 56 Resp: 139192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.7 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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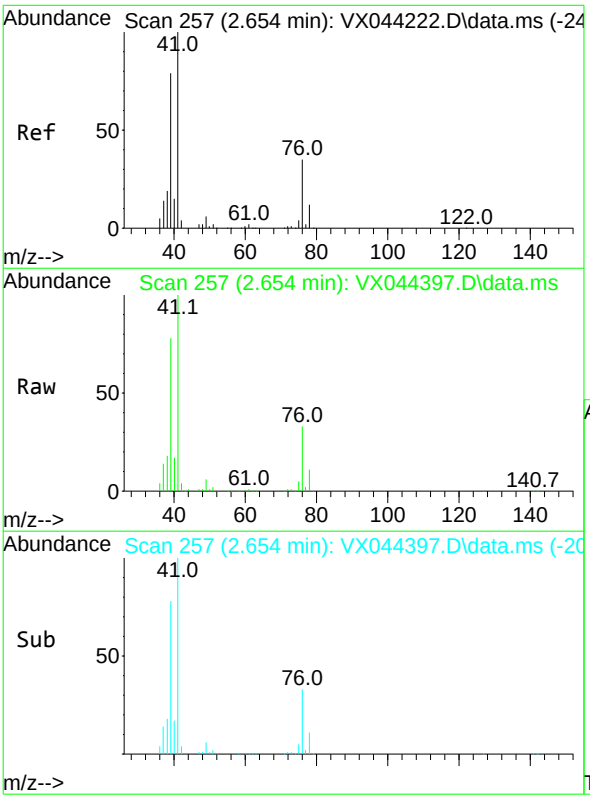
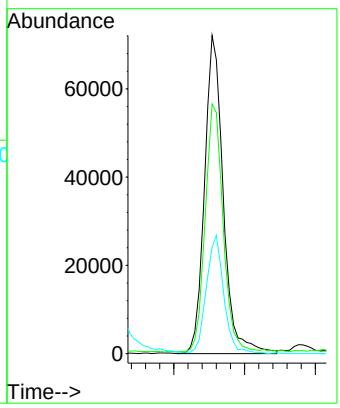
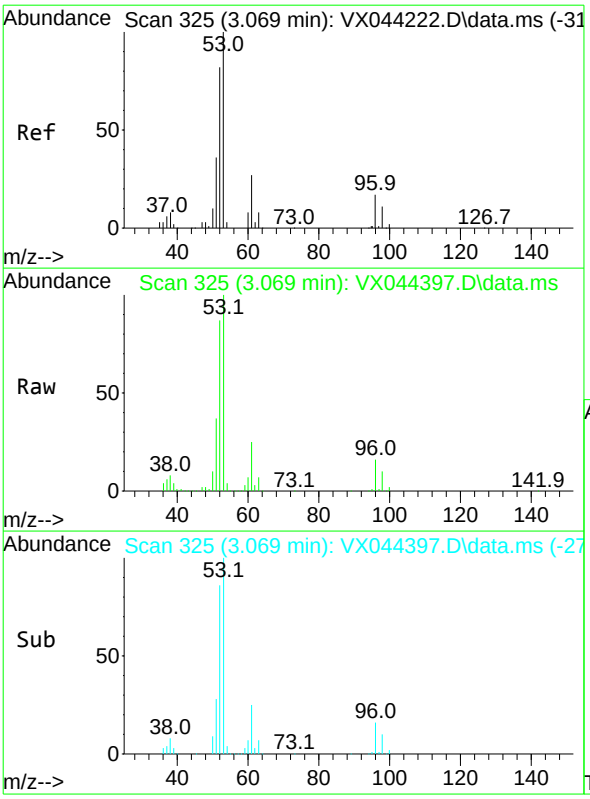



#14
Allyl chloride
Concen: 52.597 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 41 Resp: 132780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.3 | 61.9 | 92.9 |
| 76 | 34.6 | 27.4 | 41.2 |

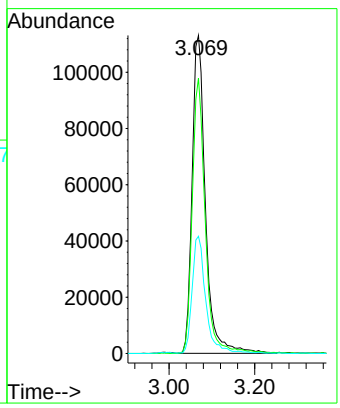





#15
Acrylonitrile
Concen: 264.238 ug/l
RT: 3.069 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 53 Resp: 244567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.6 | 67.4 | 101.0 |
| 51 | 37.4 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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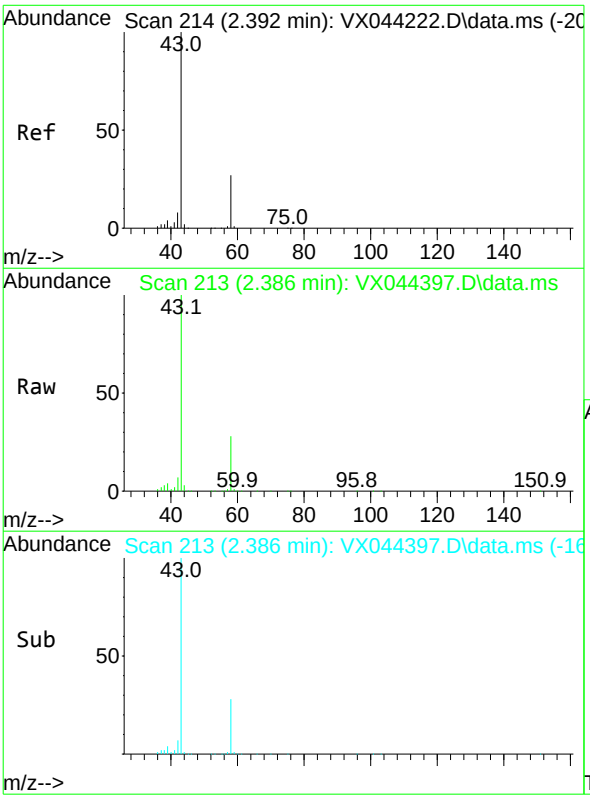
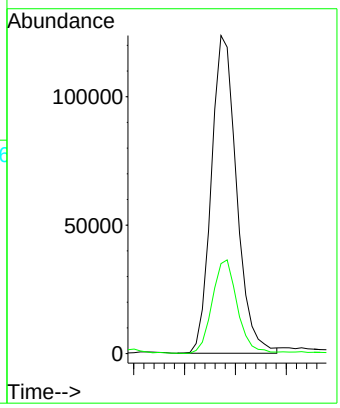
Supervised By :Mahesh Dadoda 12/20/2024

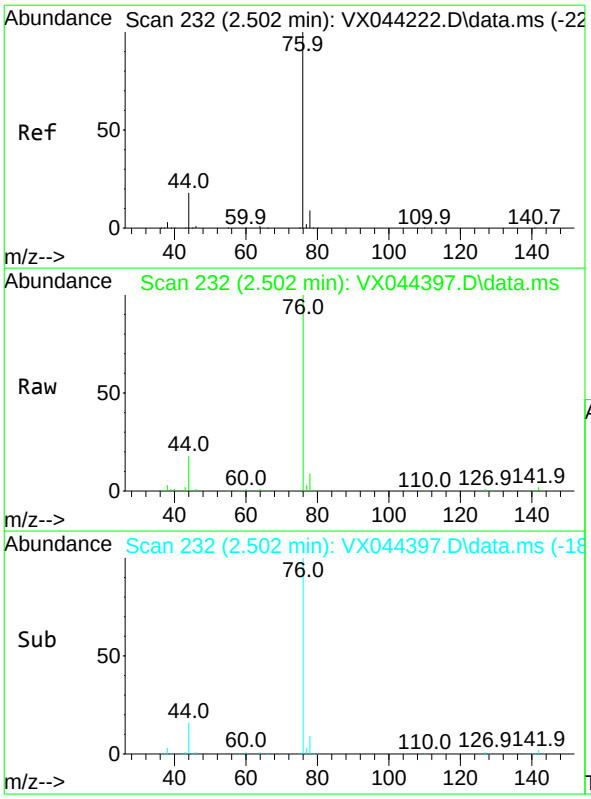



#16
Acetone
Concen: 221.165 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 213764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.2 | 21.6 | 32.4 |






#17
Carbon Disulfide
Concen: 55.140 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 76 Resp: 158857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
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VSTDCCC050

**Manual Integrations**
**APPROVED**

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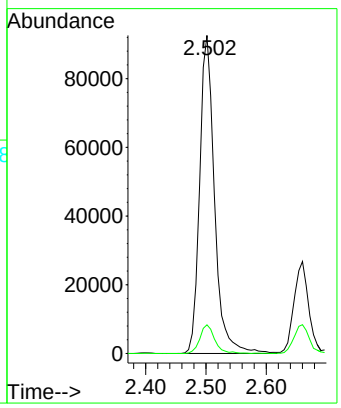
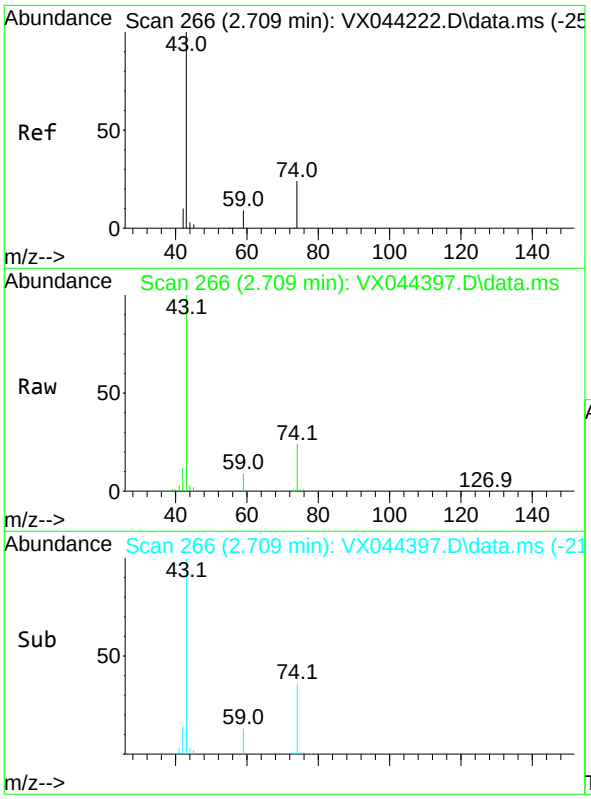
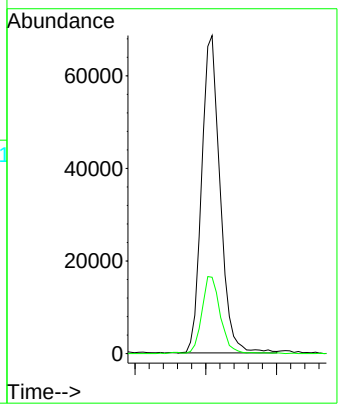


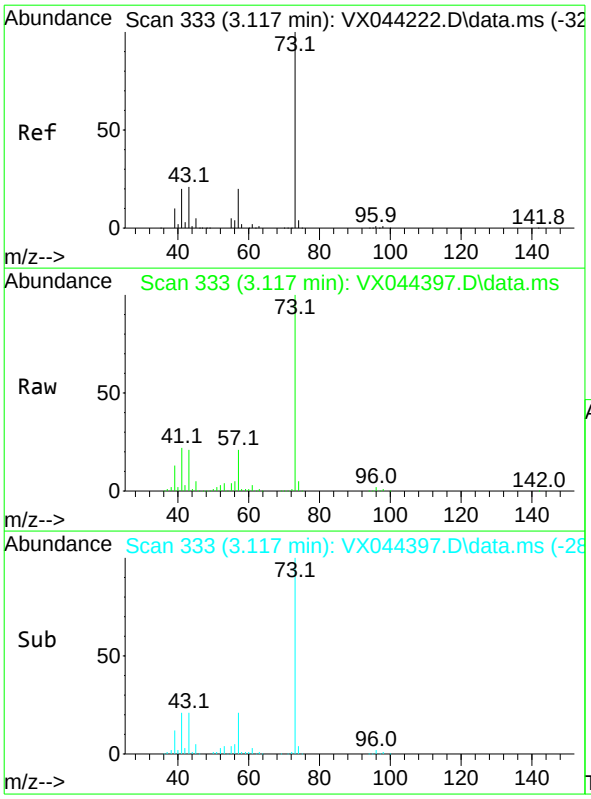




#18
Methyl Acetate
Concen: 49.781 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 124059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.4 | 17.7 | 26.5 |

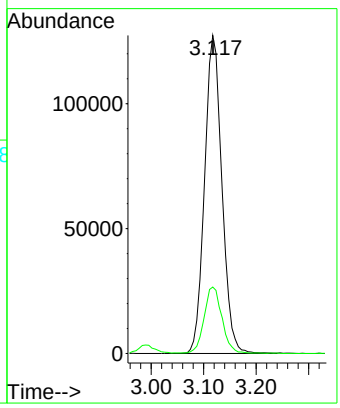





#19
Methyl tert-butyl Ether
Concen: 49.423 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 73 Resp: 292313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.8 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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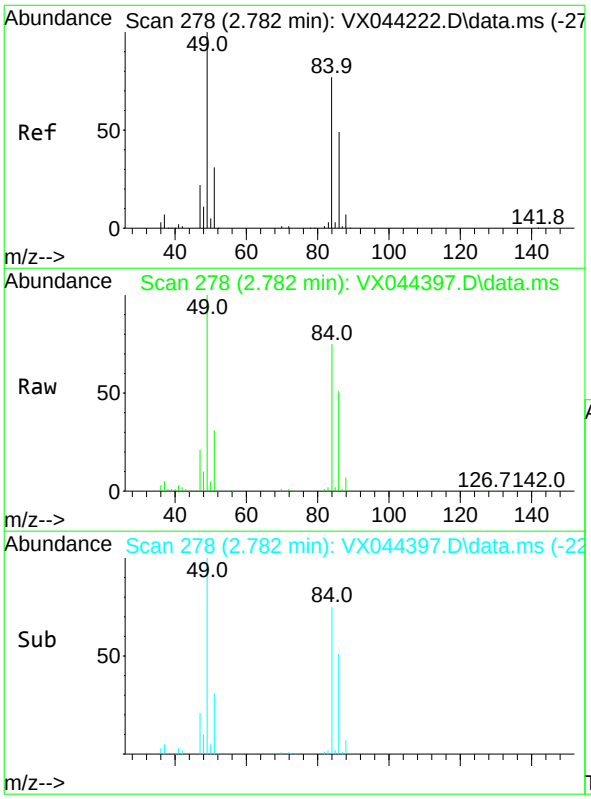
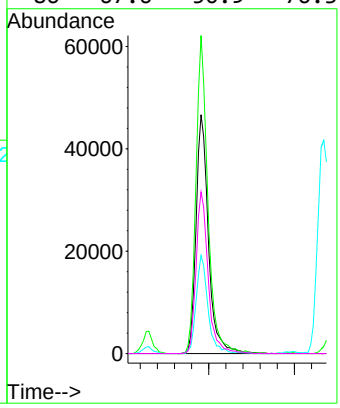
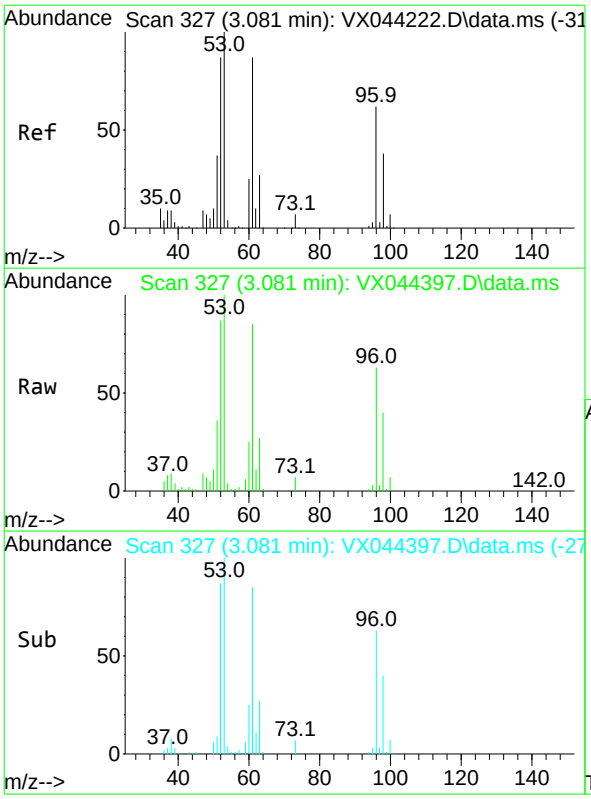



#20
Methylene Chloride
Concen: 51.666 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 84 Resp: 93795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 133.2 | 104.2 | 156.4 |
| 51 | 41.1 | 32.2 | 48.4 |
| 86 | 67.6 | 50.9 | 76.3 |






#21
trans-1,2-Dichloroethene
Concen: 52.232 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 96 Resp: 84135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.4 | 112.0 | 168.0 |
| 98 | 62.9 | 48.8 | 73.2 |

**Instrument :**
MSVOA_X
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VSTDCCC050

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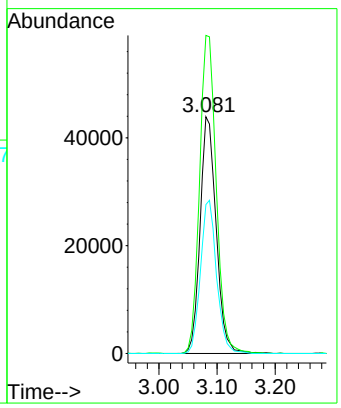
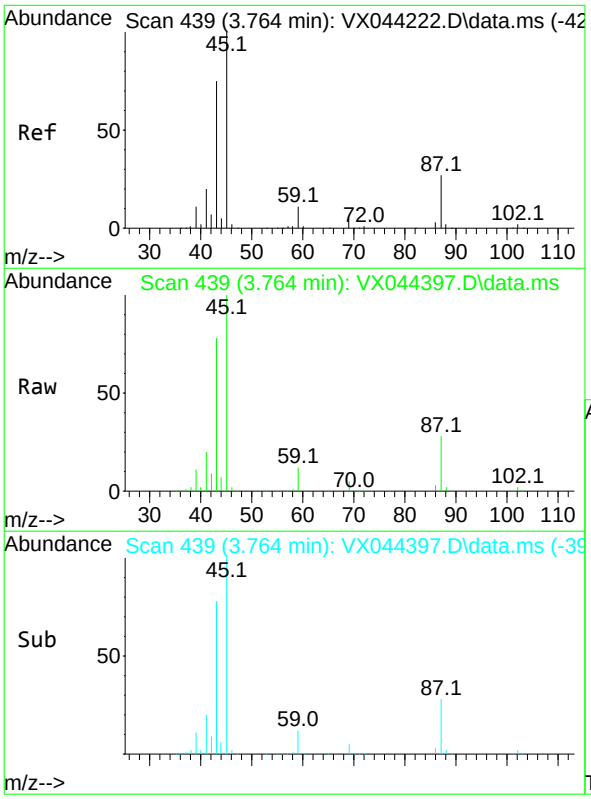
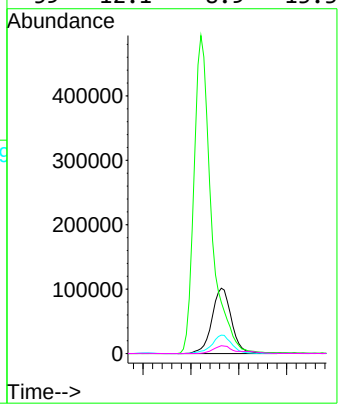


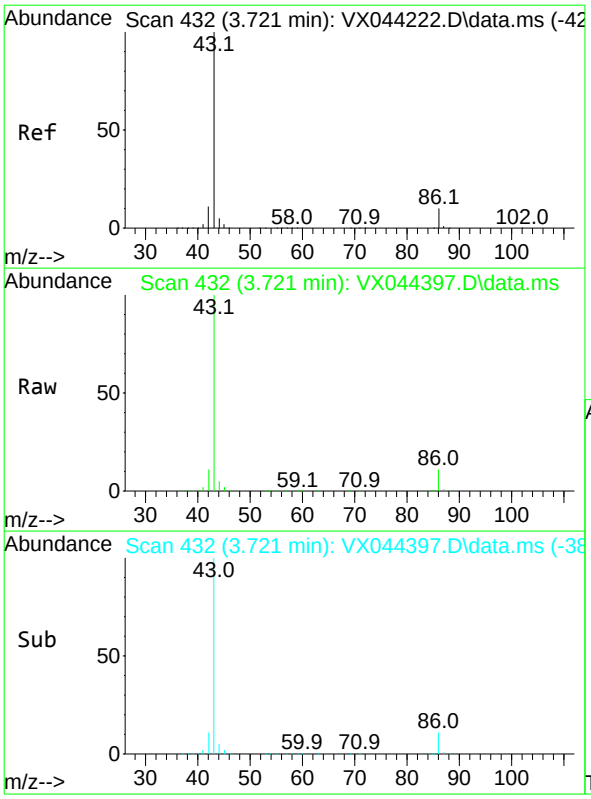




#22
Diisopropyl ether
Concen: 50.590 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 45 Resp: 287589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 78.2 | 60.2 | 90.2 |
| 87 | 28.2 | 21.2 | 31.8 |
| 59 | 12.1 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 270.083 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 1248223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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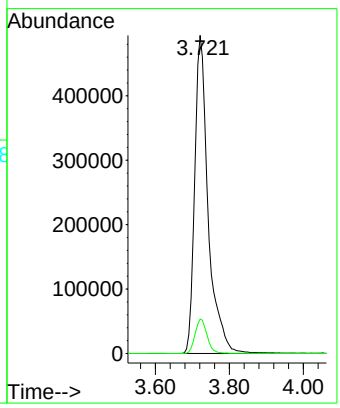
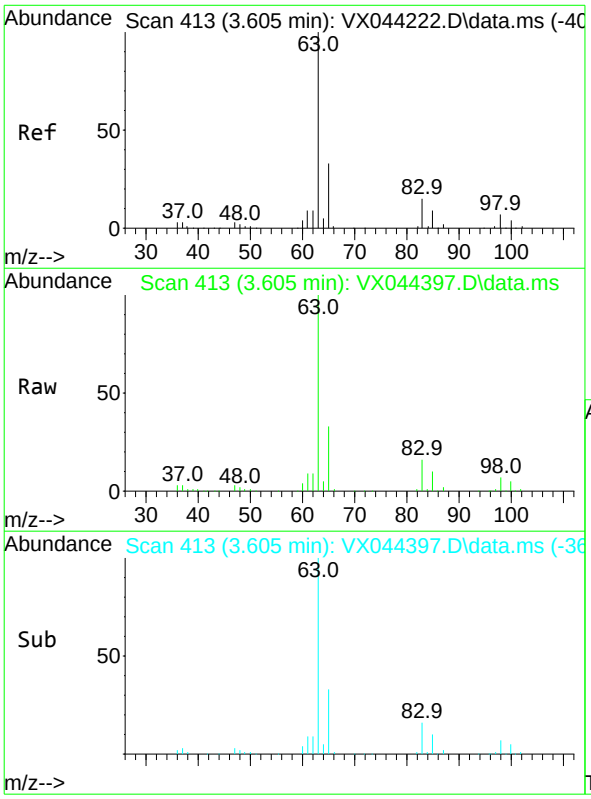
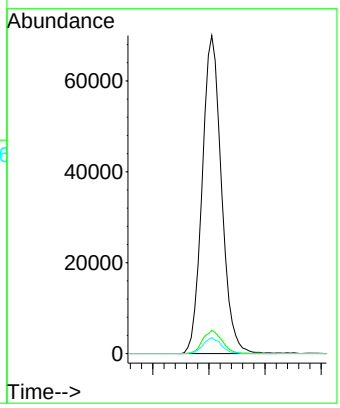


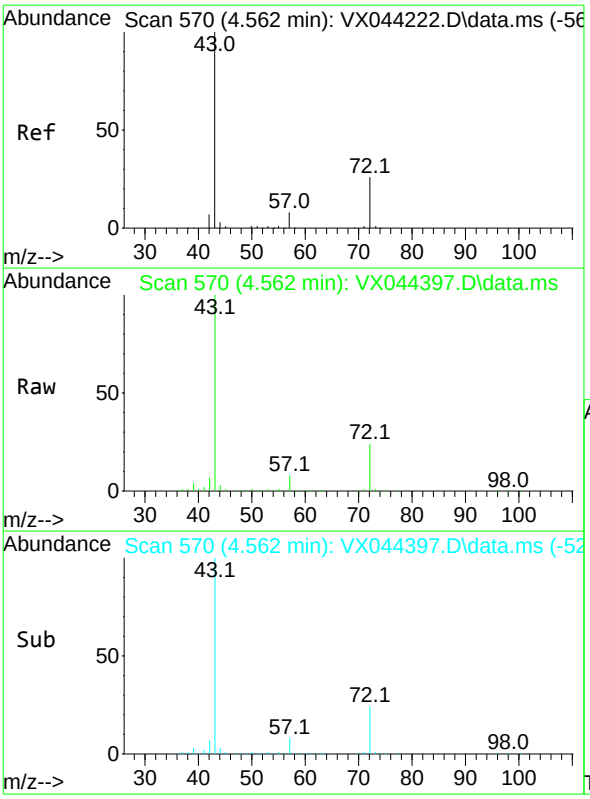




#24
1,1-Dichloroethane
Concen: 52.681 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 63 Resp: 166932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.6 | 10.8 |
| 100 | 5.1 | 2.1 | 6.3 |

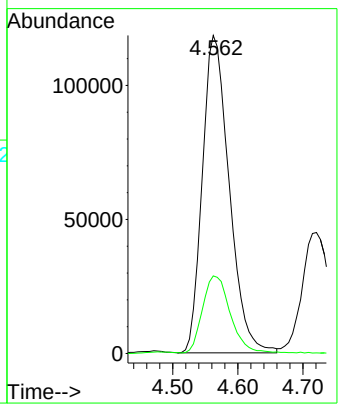





#25
2-Butanone
Concen: 247.114 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 339552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.2 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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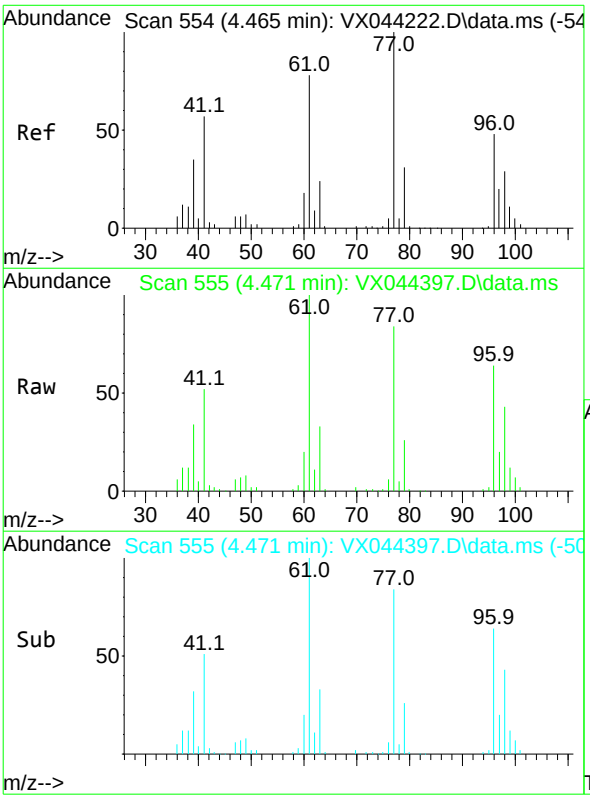
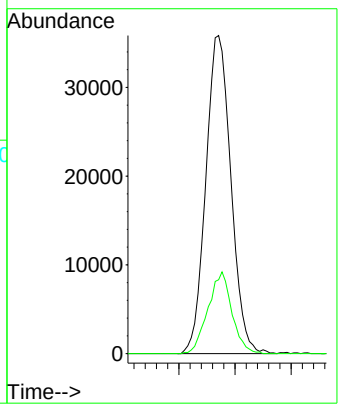
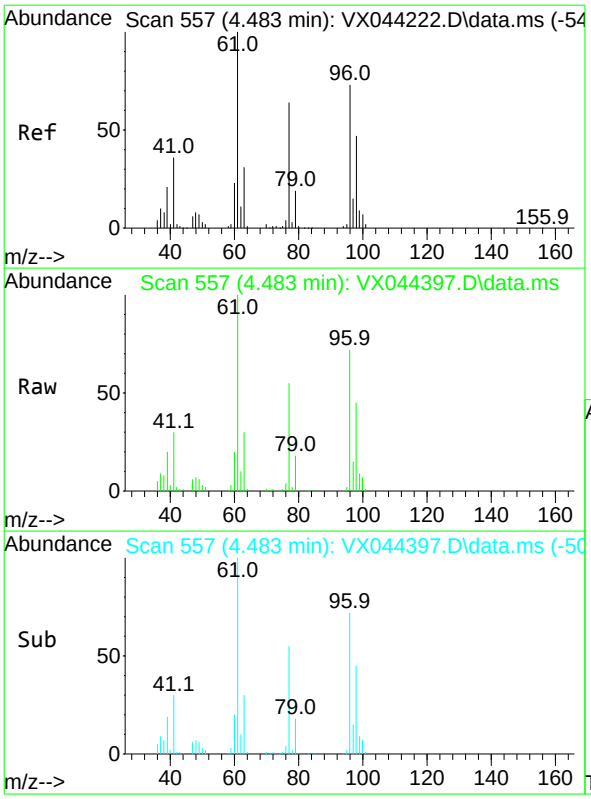



#26
2,2-Dichloropropane
Concen: 43.294 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 77 Resp: 111451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 24.4 | 10.7 | 32.1 |

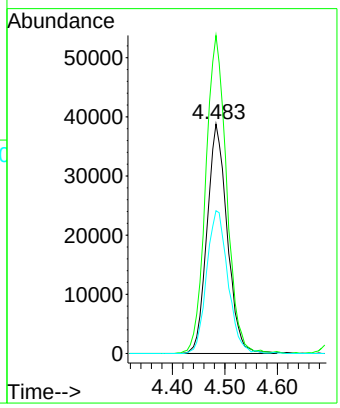





#27
cis-1,2-Dichloroethene
Concen: 50.631 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 96 Resp: 103578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.4 | 0.0 | 299.0 |
| 98 | 65.7 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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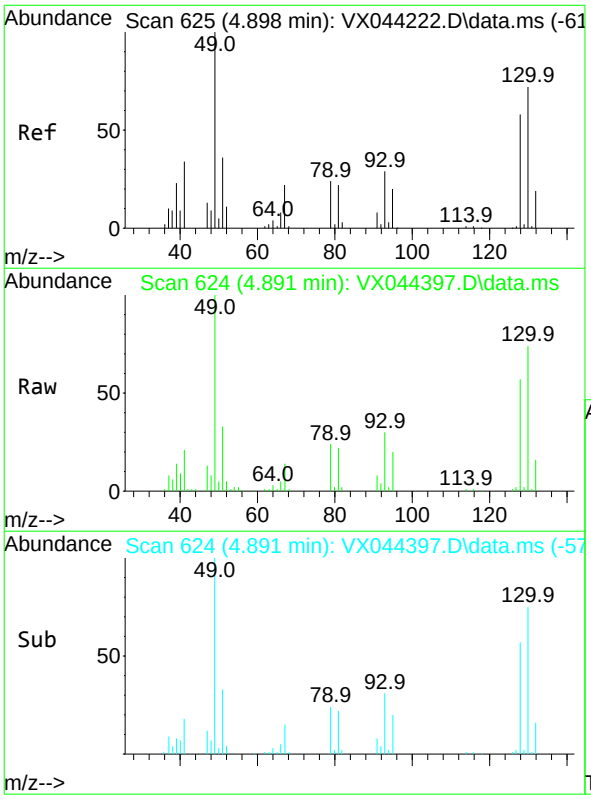
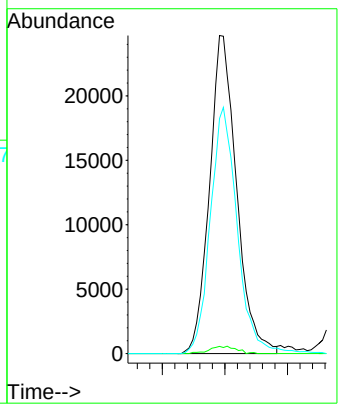
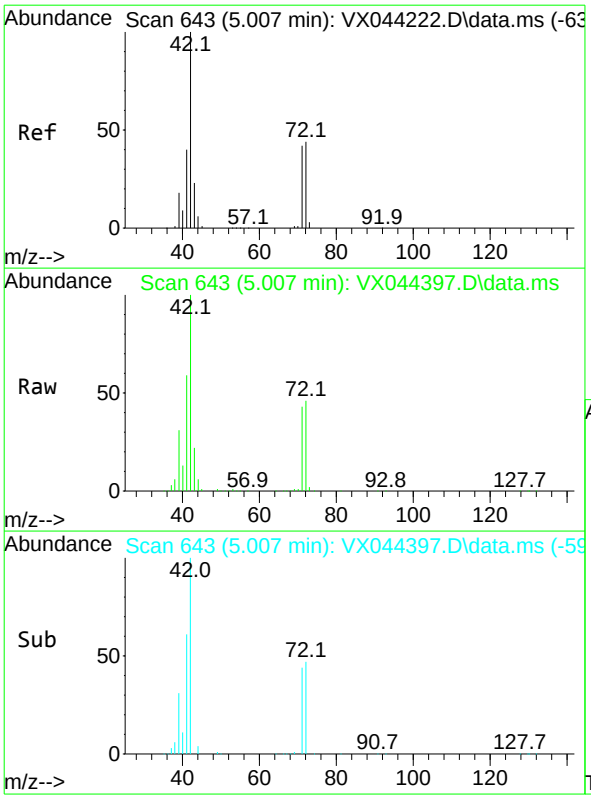



#28
Bromochloromethane
Concen: 47.791 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 49 Resp: 74260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.2 |
| 130 | 77.0 | 62.1 | 93.1 |

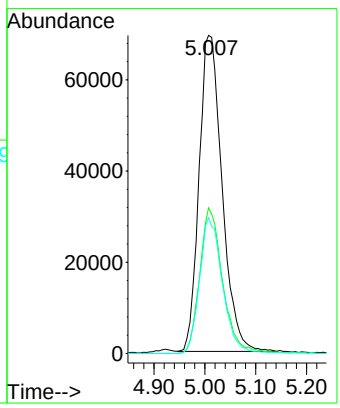





#29
Tetrahydrofuran
Concen: 246.831 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 42 Resp: 217698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.0 | 37.0 | 55.6 |
| 71 | 42.8 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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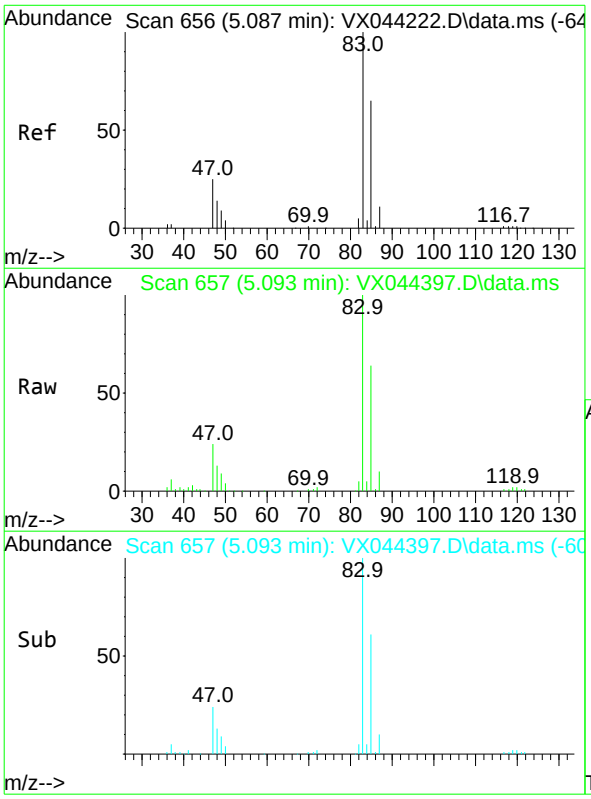
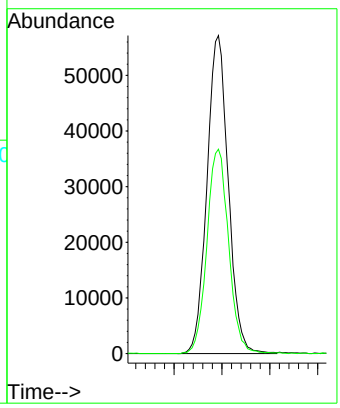
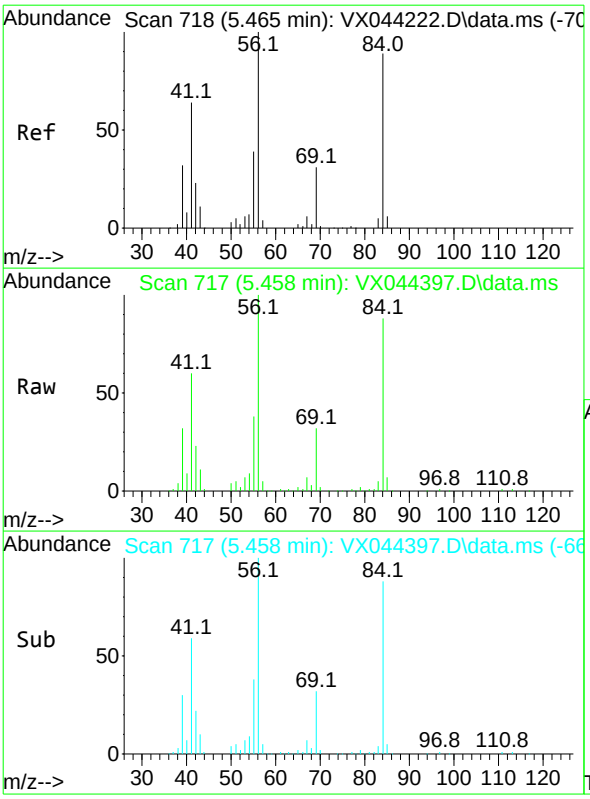



#30
Chloroform
Concen: 49.644 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 83 Resp: 176742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 49.582 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 56 Resp: 126871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.9 | 24.7 | 37.1 |
| 84 | 86.3 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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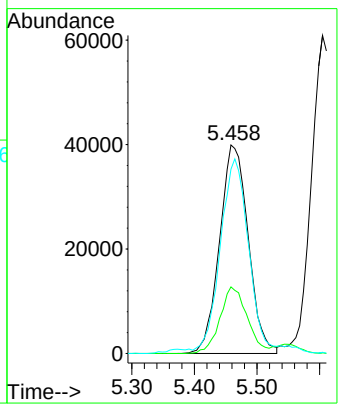
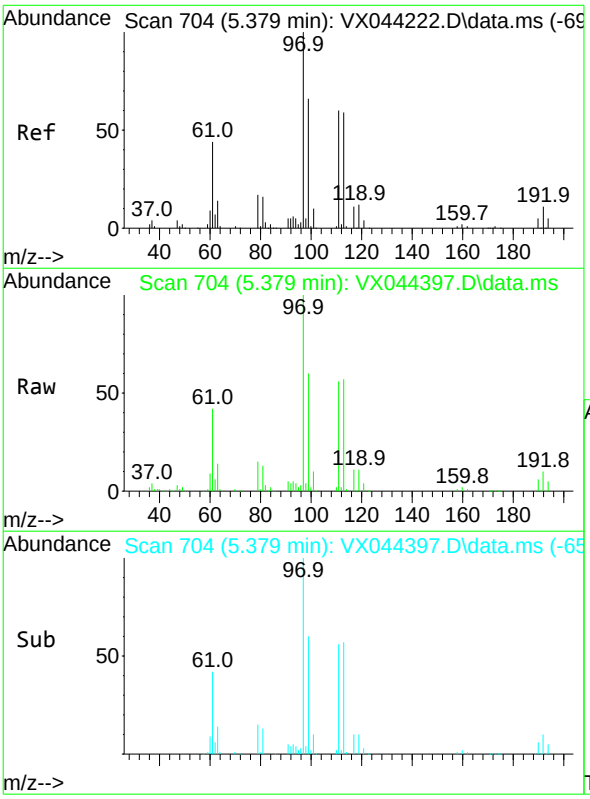
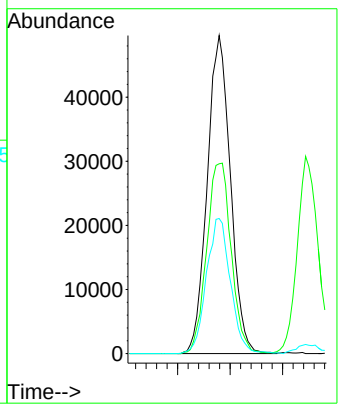


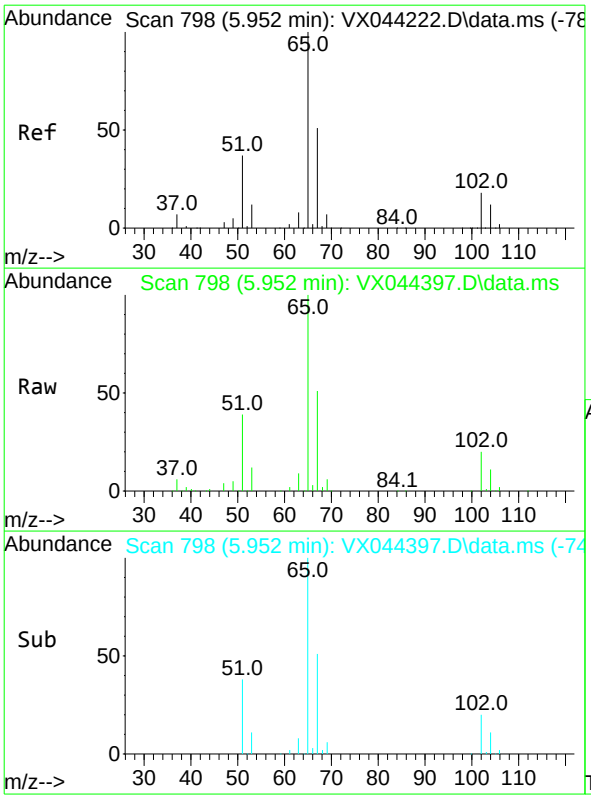




#32
1,1,1-Trichloroethane
Concen: 51.614 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 97 Resp: 152533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 50.8 | 76.2 |
| 61 | 43.9 | 35.2 | 52.8 |

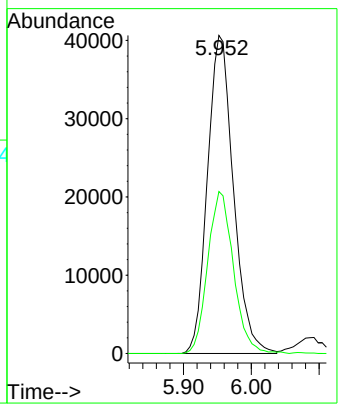





#33
1,2-Dichloroethane-d4
Concen: 45.507 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 65 Resp: 107888

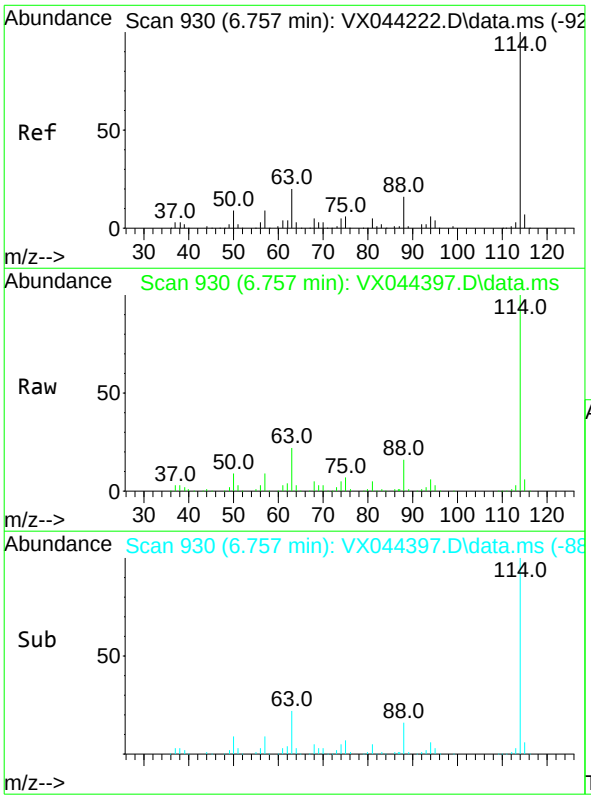
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

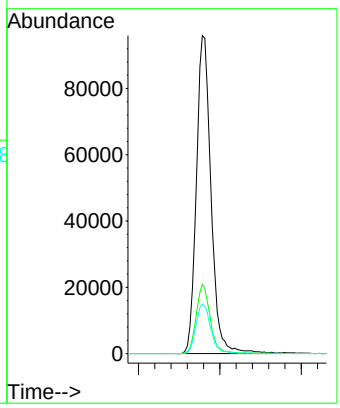
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

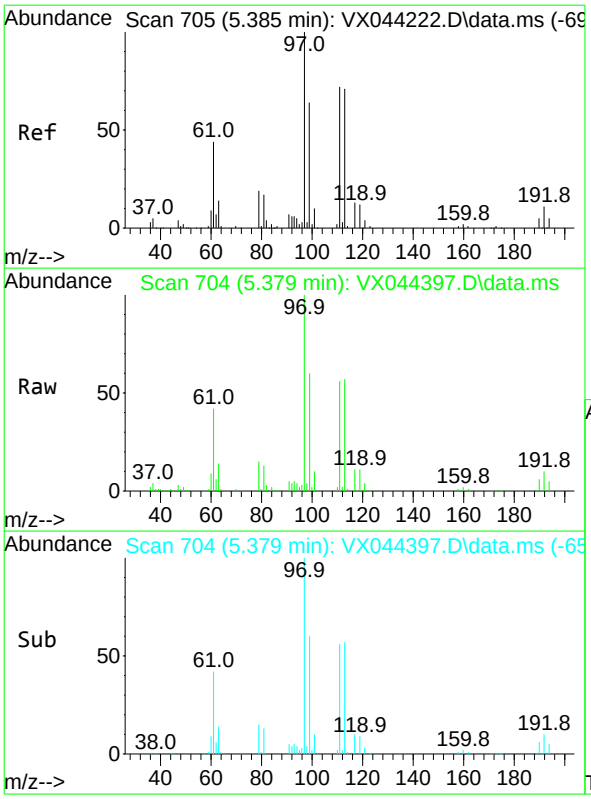



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:114 Resp: 239936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 40.6 |
| 88 | 15.6 | 0.0 | 31.8 |

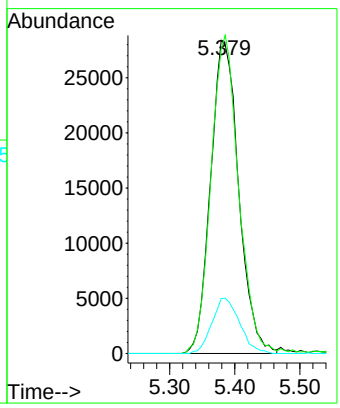





#35
Dibromofluoromethane
Concen: 51.157 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:113 Resp: 85012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.2 | 80.4 | 120.6 |
| 192 | 17.4 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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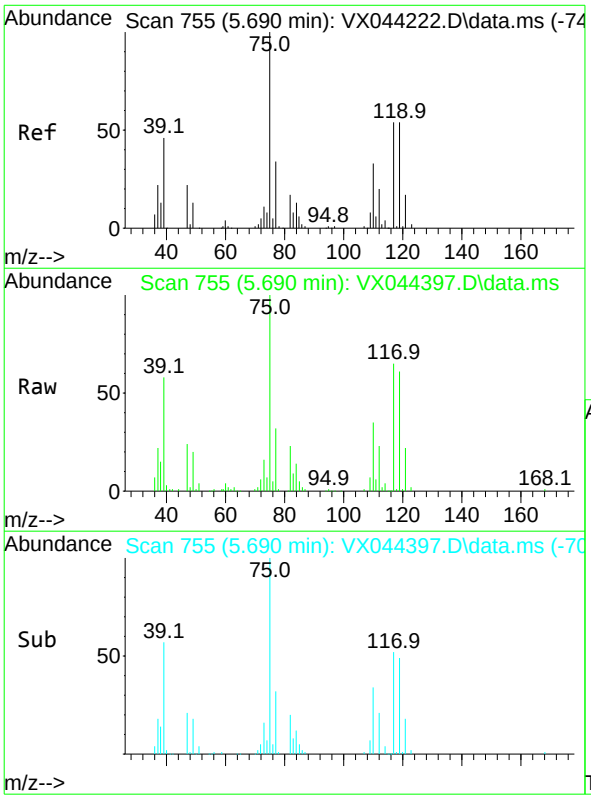
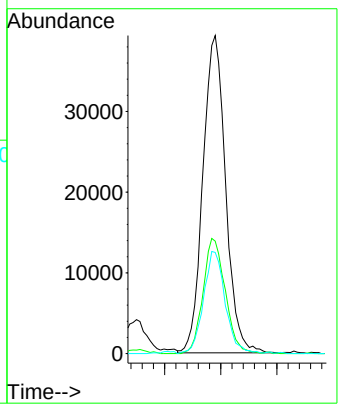
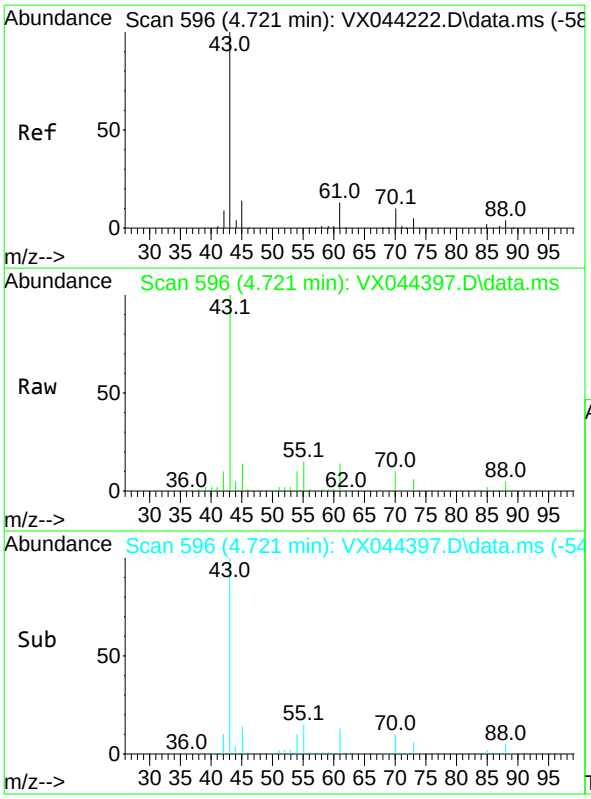



#36
1,1-Dichloropropene
Concen: 51.438 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 110493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.4 | 17.3 | 51.7 |
| 77 | 30.8 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 51.297 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 136208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 9.8 | 14.8 |
| 70 | 9.8 | 7.7 | 11.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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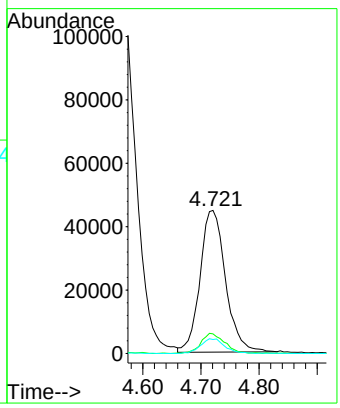
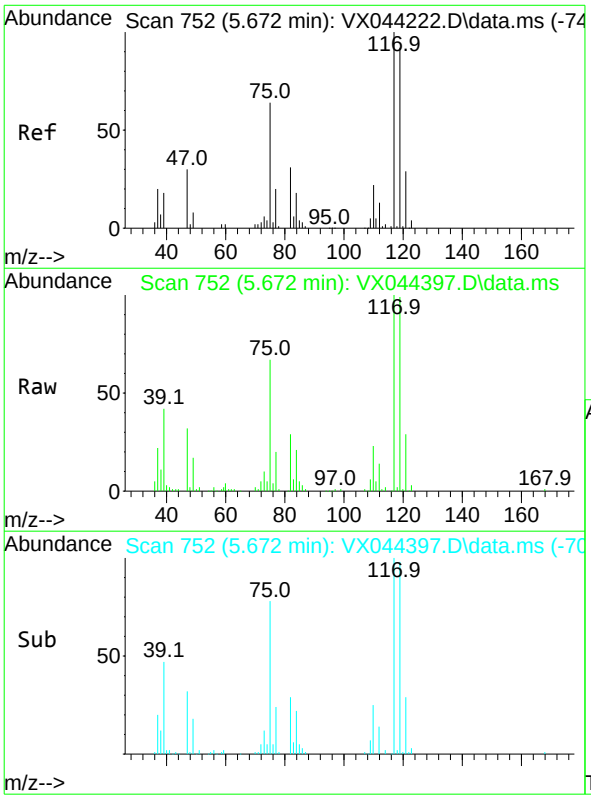
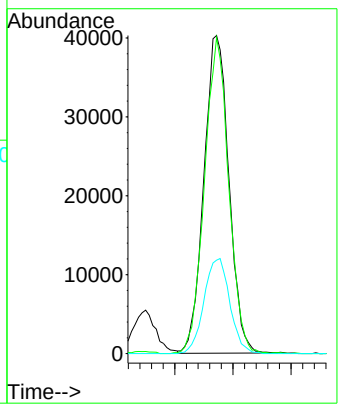


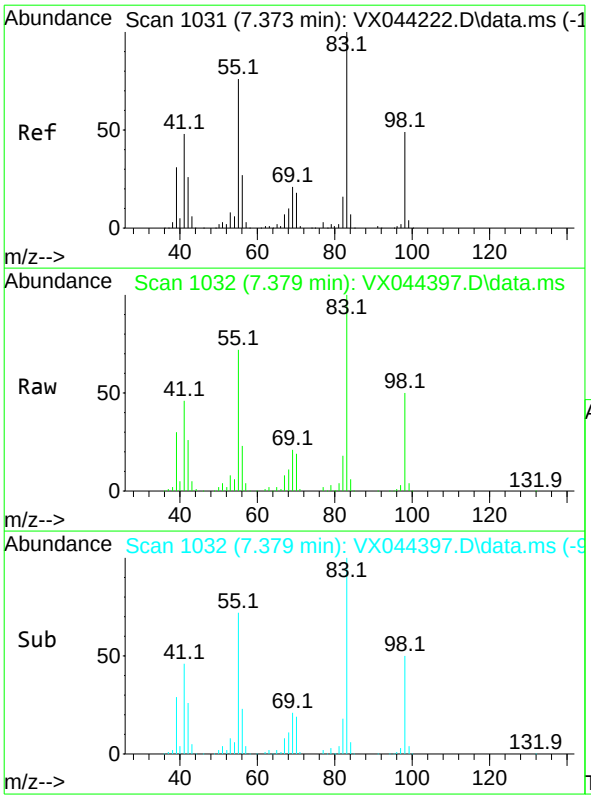




#38
Carbon Tetrachloride
Concen: 52.064 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:117 Resp: 120403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.3 | 74.2 | 111.4 |
| 121 | 29.4 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 50.884 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 83 Resp: 130669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.1 | 60.7 | 91.1 |
| 98 | 49.8 | 38.9 | 58.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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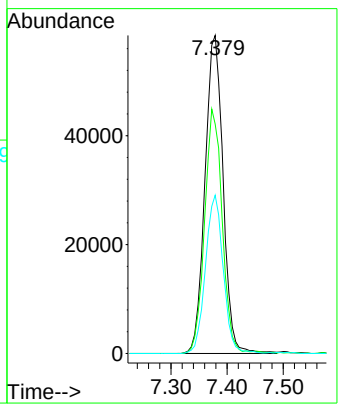
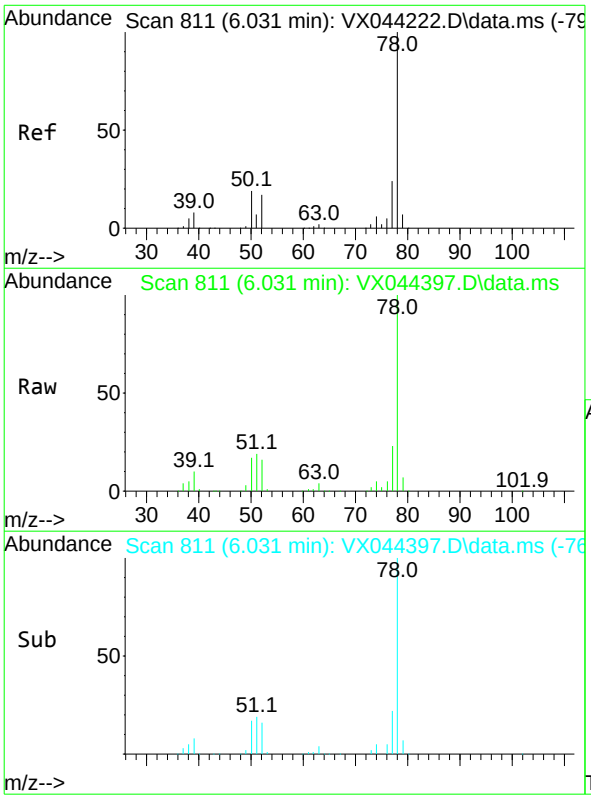
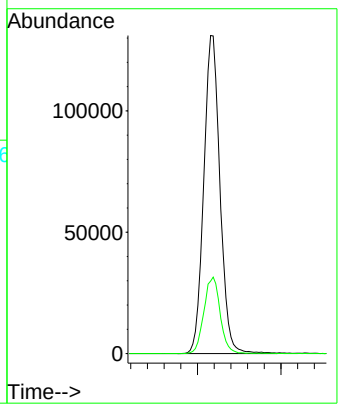


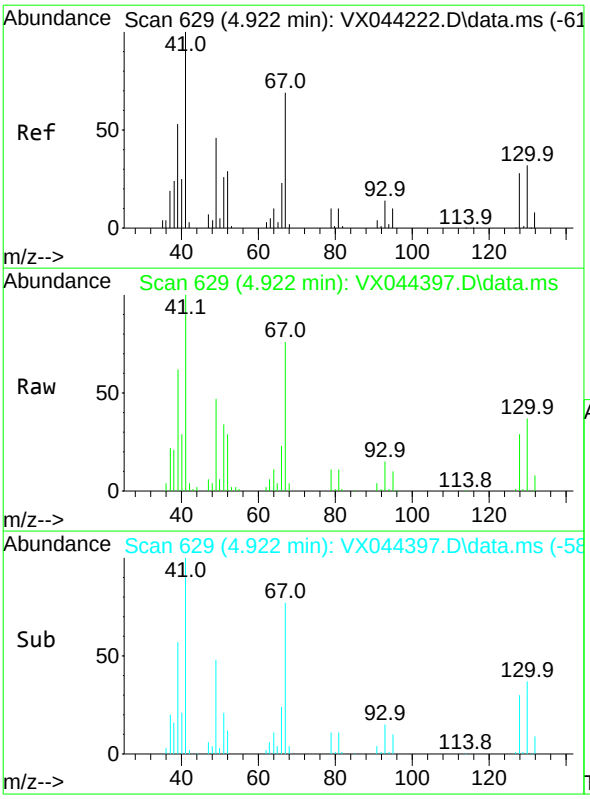




#40
Benzene
Concen: 54.246 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 78 Resp: 353789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.8 | 19.3 | 28.9 |






#41
Methacrylonitrile
Concen: 52.726 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 74342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.4 | 44.2 | 66.4 |
| 67 | 69.0 | 57.2 | 85.8 |
| 52 | 31.6 | 24.6 | 37.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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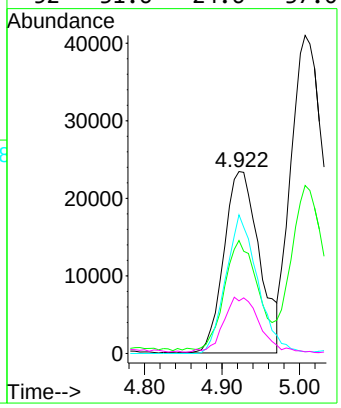
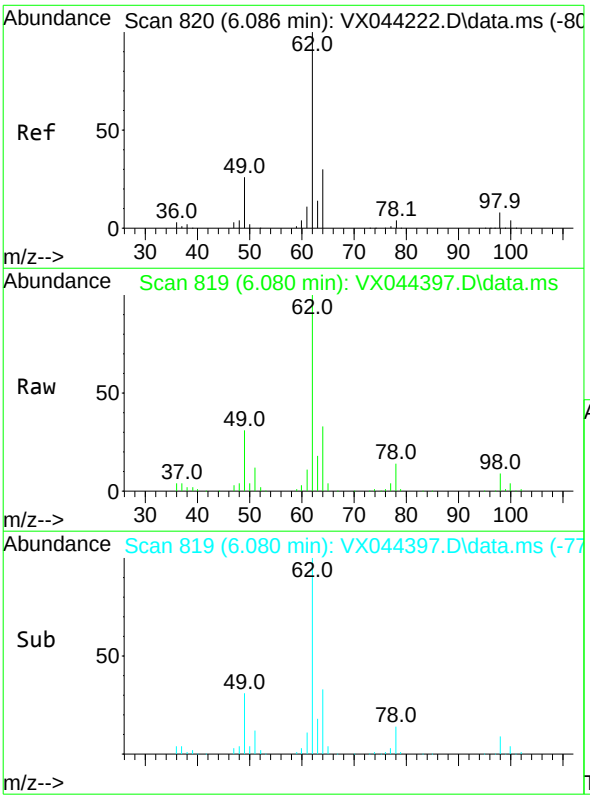
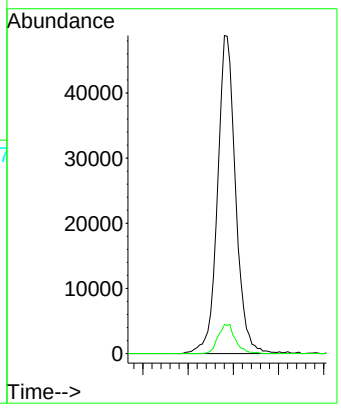


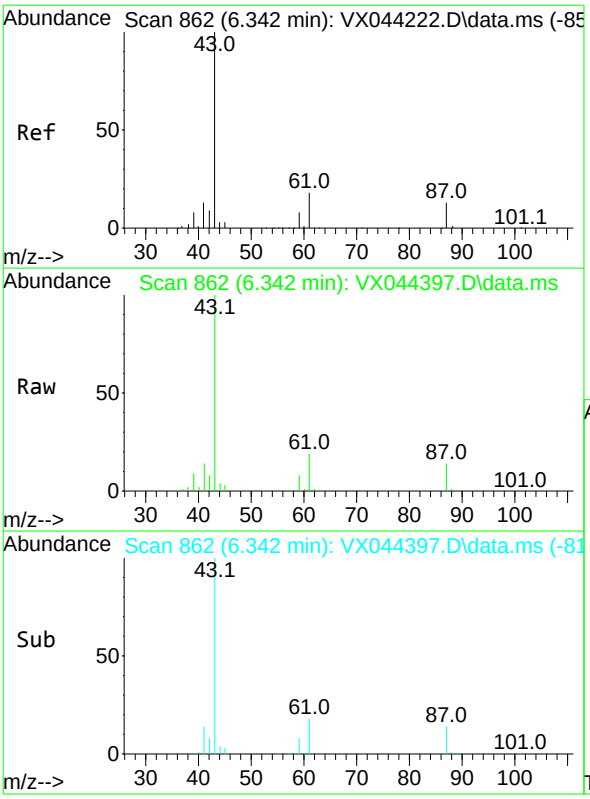




#42
1,2-Dichloroethane
Concen: 50.400 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 62 Resp: 135405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 15.8 |

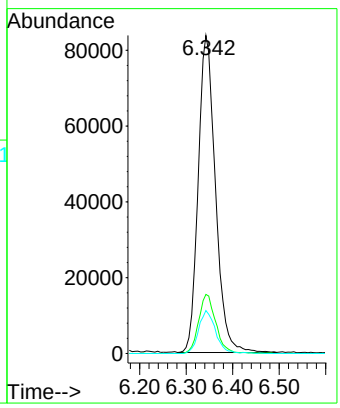





#43
Isopropyl Acetate
Concen: 51.907 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 215421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 14.2 | 21.2 |
| 87 | 13.2 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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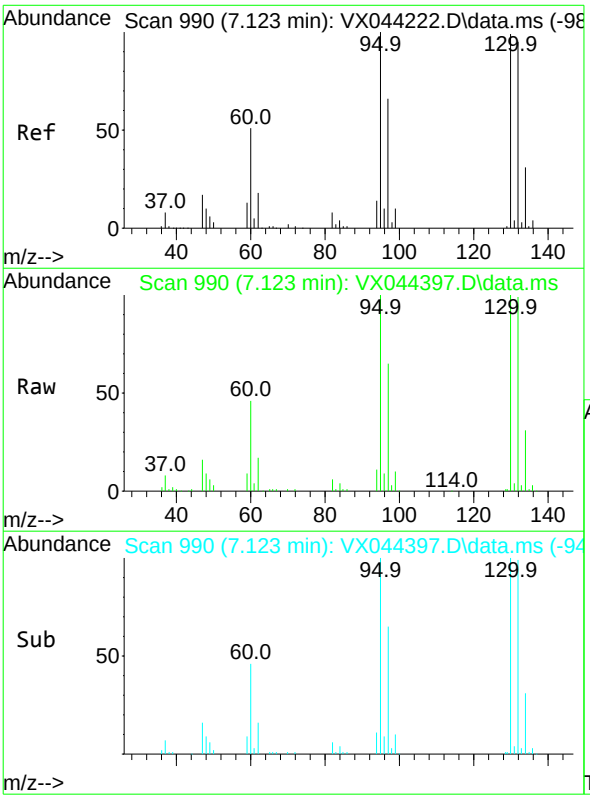
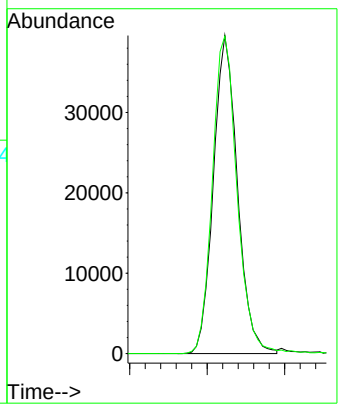
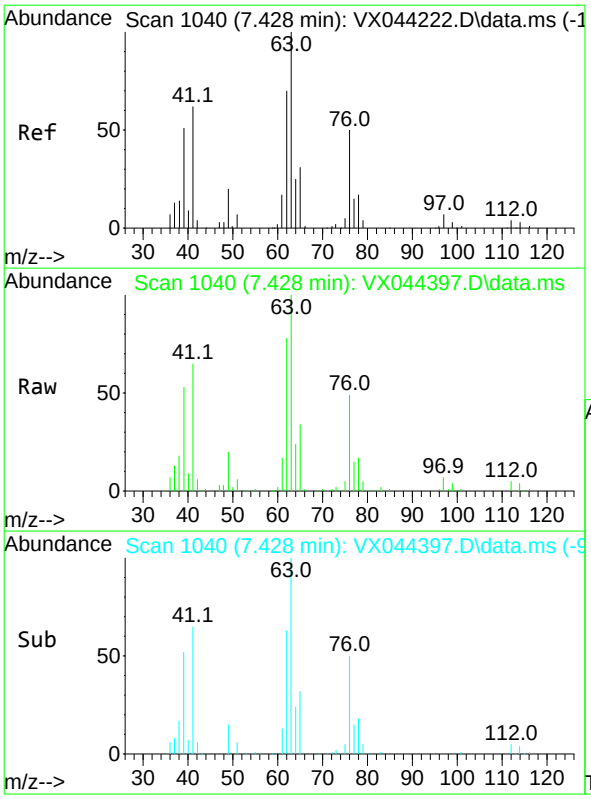



#44
Trichloroethene
Concen: 52.403 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:130 Resp: 85228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.8 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 52.551 ug/l
RT: 7.428 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 63 Resp: 87563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.3 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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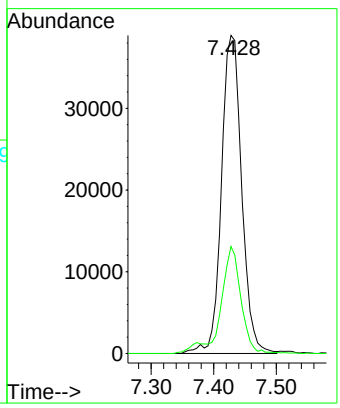
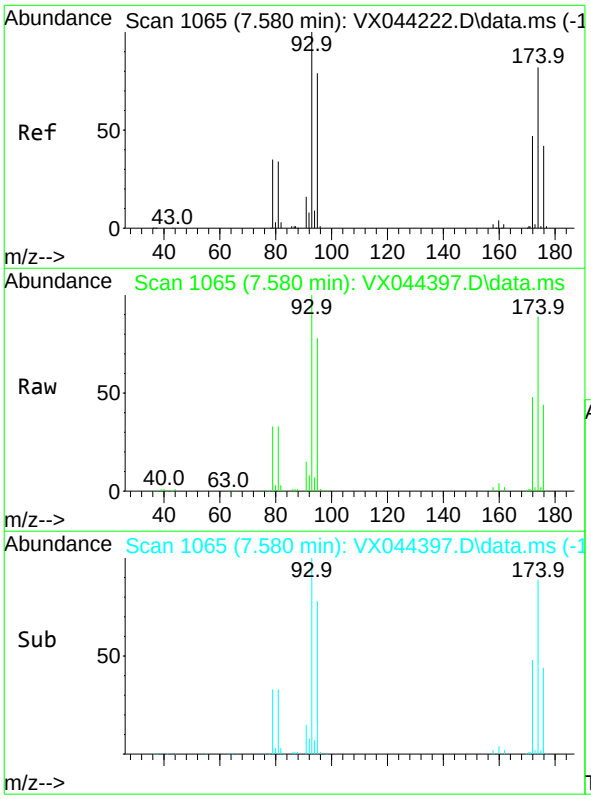
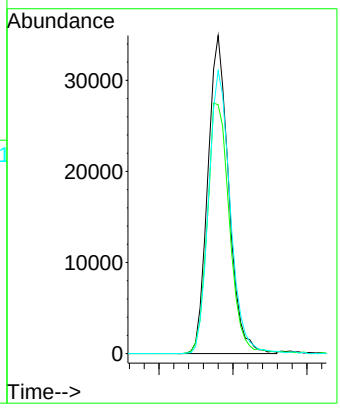


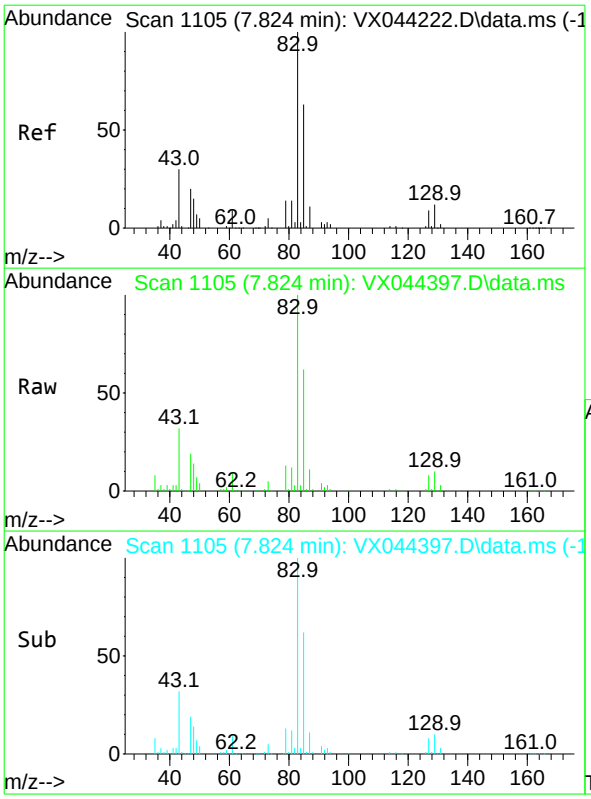




#46
Dibromomethane
Concen: 52.923 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 93 Resp: 68412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.6 | 65.4 | 98.2 |
| 174 | 92.0 | 67.9 | 101.9 |

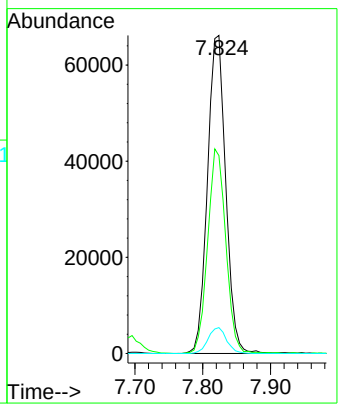





#47
Bromodichloromethane
Concen: 55.381 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 83 Resp: 123638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 50.6 | 75.8 |
| 127 | 8.1 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
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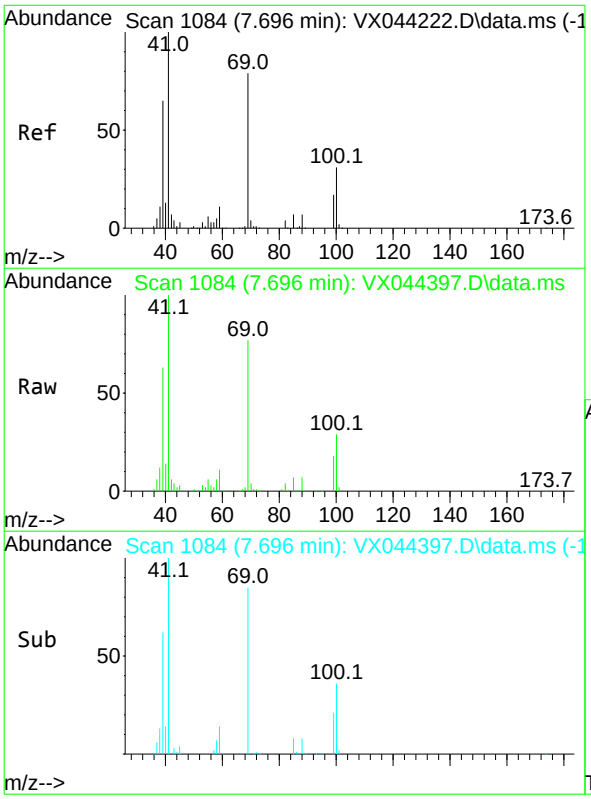
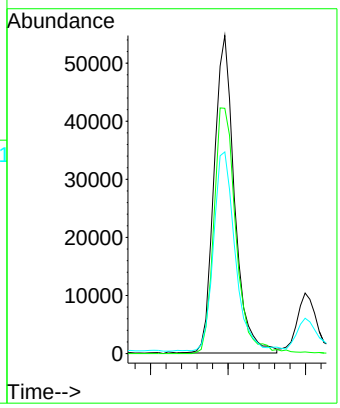
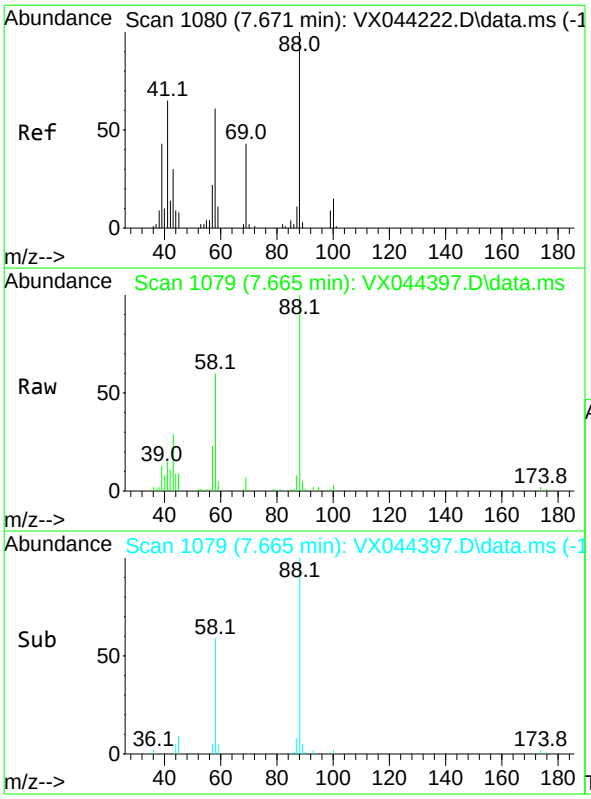



#48
Methyl methacrylate
Concen: 49.782 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 41 Resp: 100291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.8 | 62.4 | 93.6 |
| 39 | 65.6 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 762.005 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 88 Resp: 25452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 47.8 | 27.1 | 40.7# |
| 58 | 67.0 | 41.0 | 61.4# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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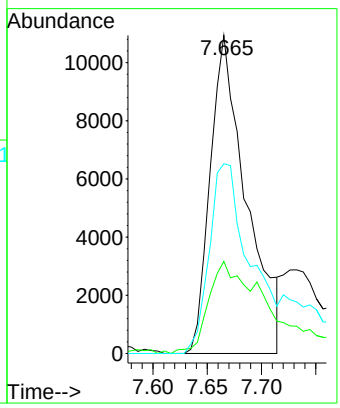
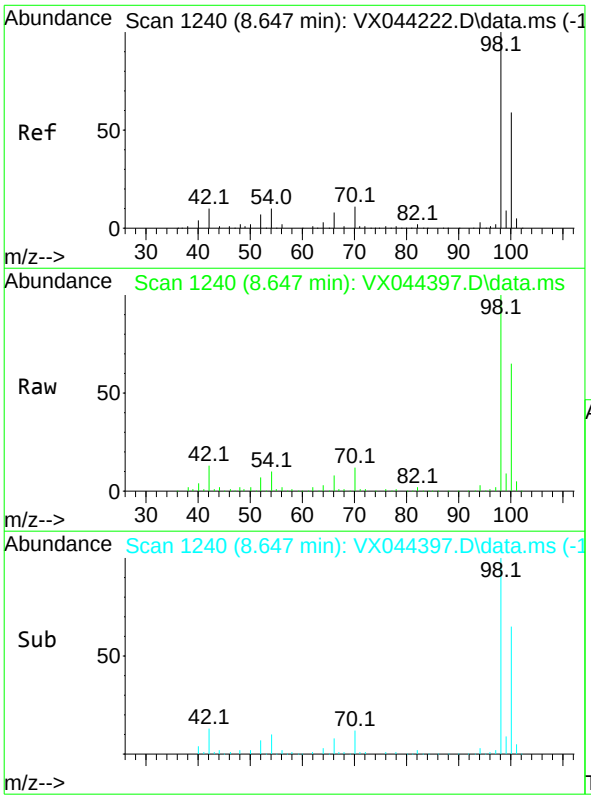
Supervised By :Mahesh Dadoda 12/20/2024

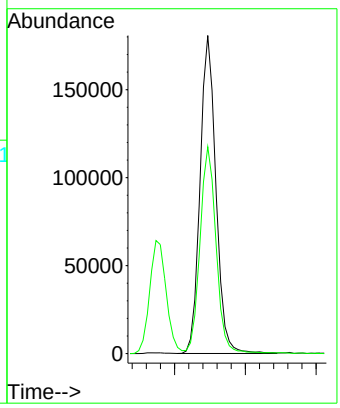


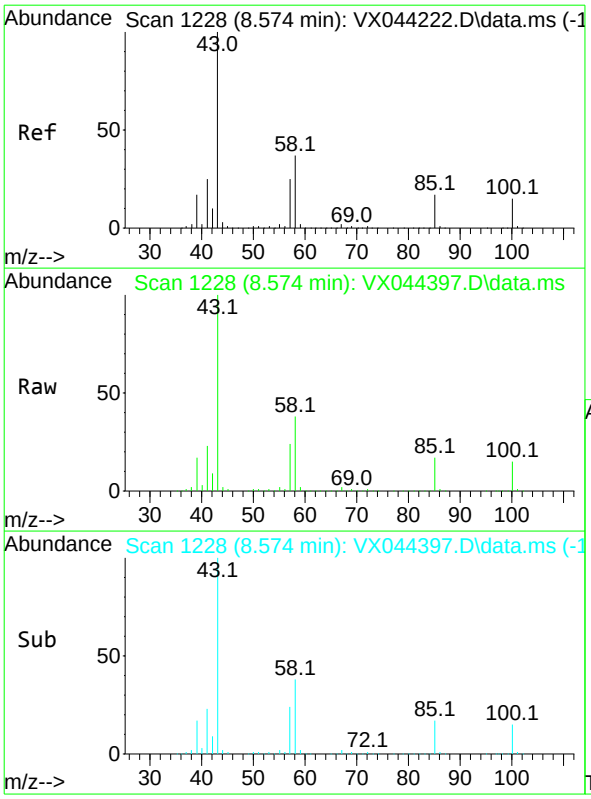




#50
Toluene-d8
Concen: 50.233 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 98 Resp: 281622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 51.5 | 77.3 |






#51
4-Methyl-2-Pentanone
Concen: 255.786 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

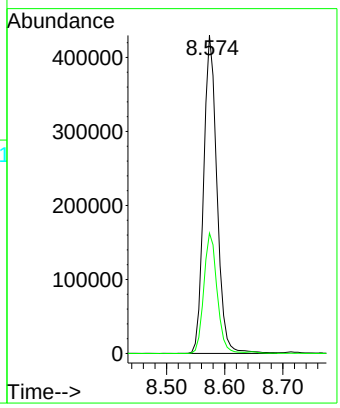
Tgt Ion: 43 Resp: 682557

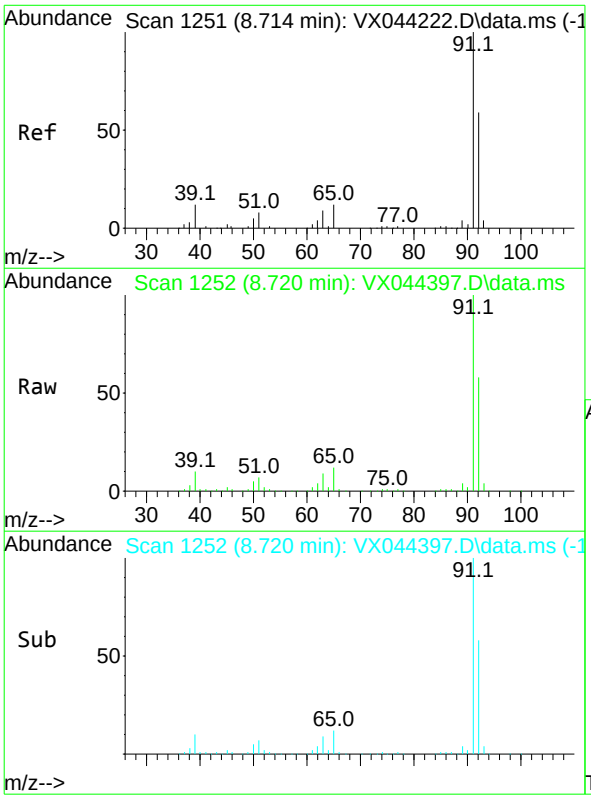
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 29.4 | 44.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

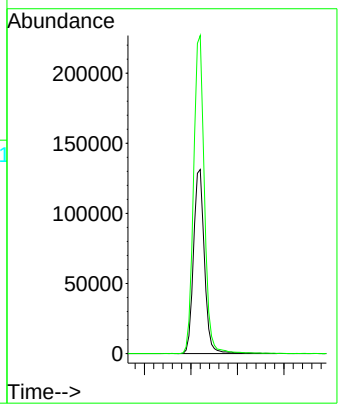


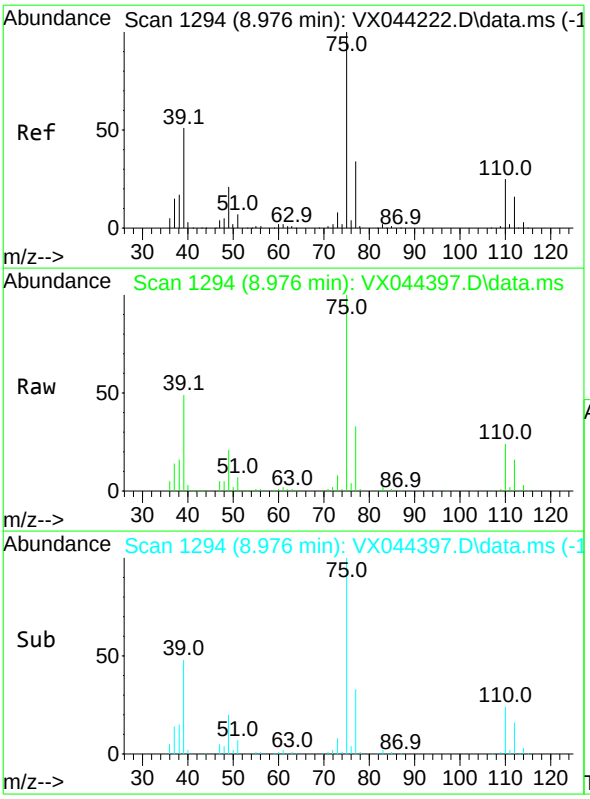




#52
Toluene
Concen: 52.287 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 92 Resp: 214145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.8 | 137.0 | 205.6 |

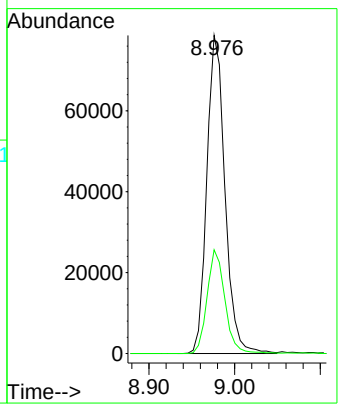





#53
t-1,3-Dichloropropene
Concen: 48.259 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 115357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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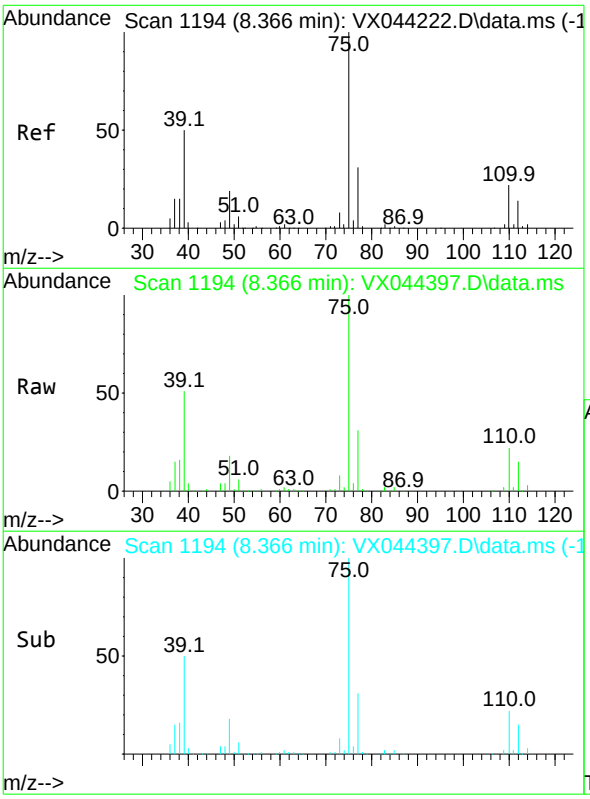
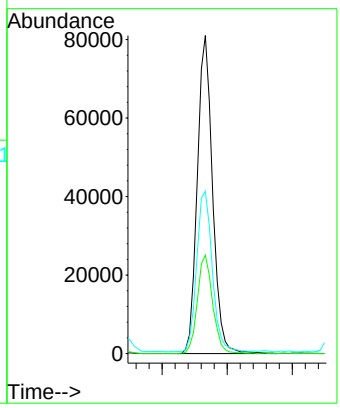
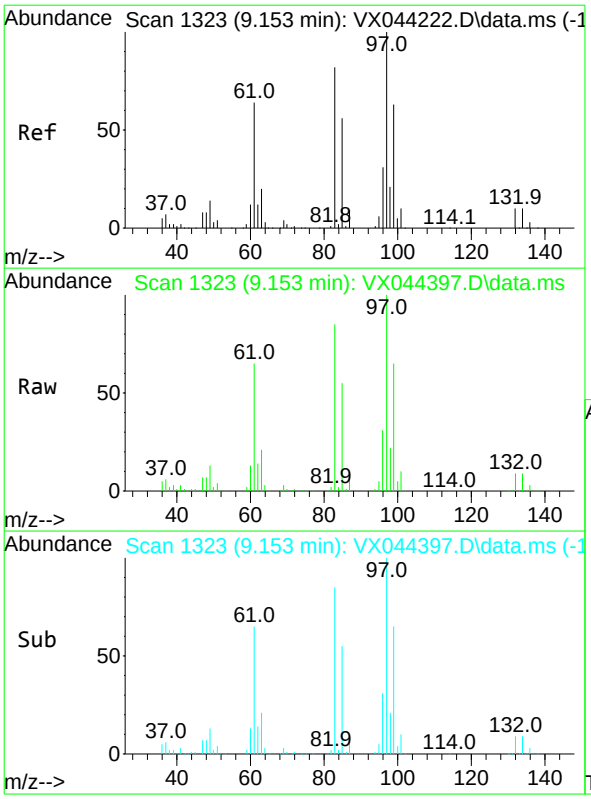



#54
cis-1,3-Dichloropropene
Concen: 54.285 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 131957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 24.7 | 37.1 |
| 39 | 50.5 | 40.3 | 60.5 |






#55
1,1,2-Trichloroethane
Concen: 53.669 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 87322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.8 | 65.3 | 97.9 |
| 85 | 55.2 | 44.6 | 67.0 |
| 99 | 64.7 | 50.2 | 75.2 |

**Manual Integrations**
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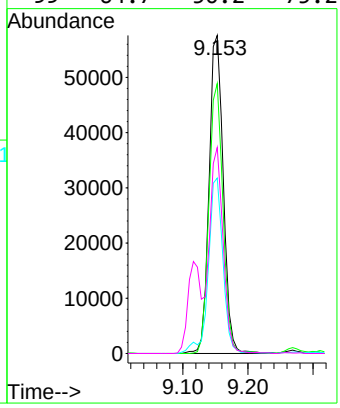
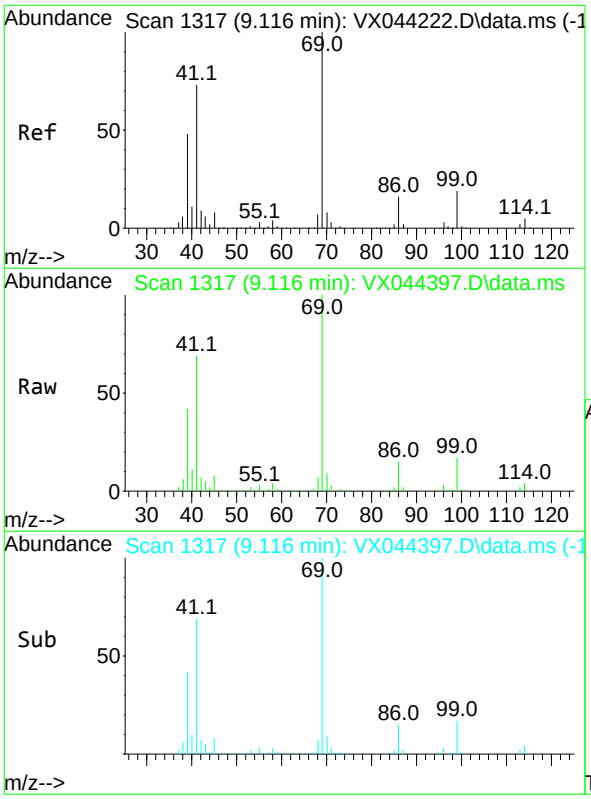
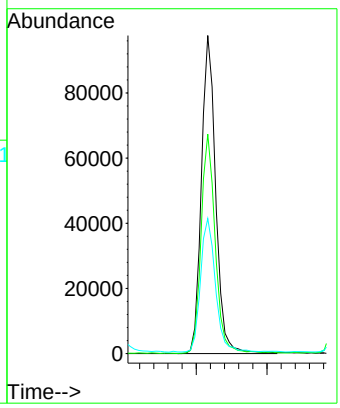


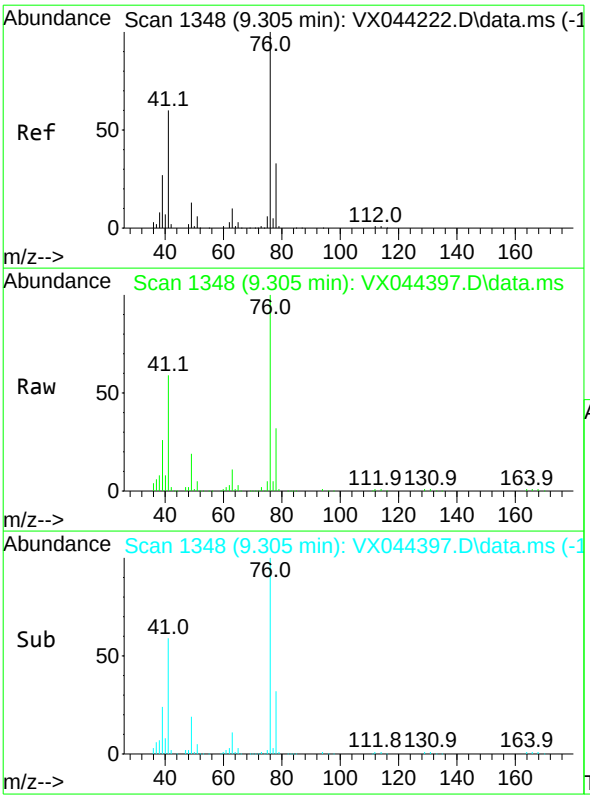




#56
Ethyl methacrylate
Concen: 53.333 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 69 Resp: 136992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.5 | 56.6 | 85.0 |
| 39 | 43.6 | 37.4 | 56.0 |

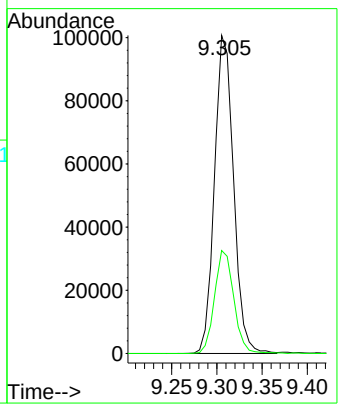





#57
1,3-Dichloropropane
Concen: 52.251 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 76 Resp: 147976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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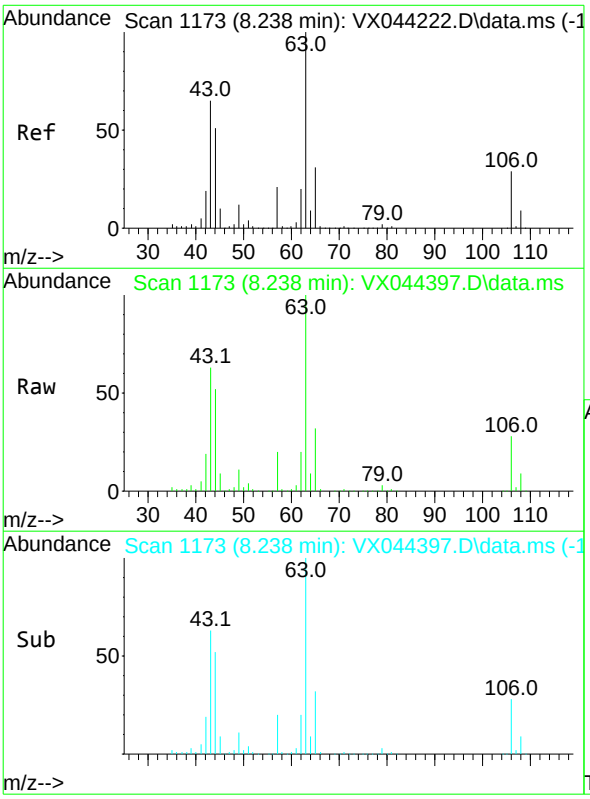
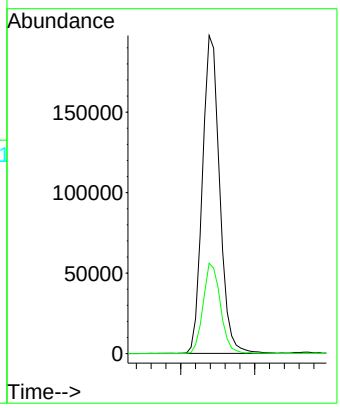
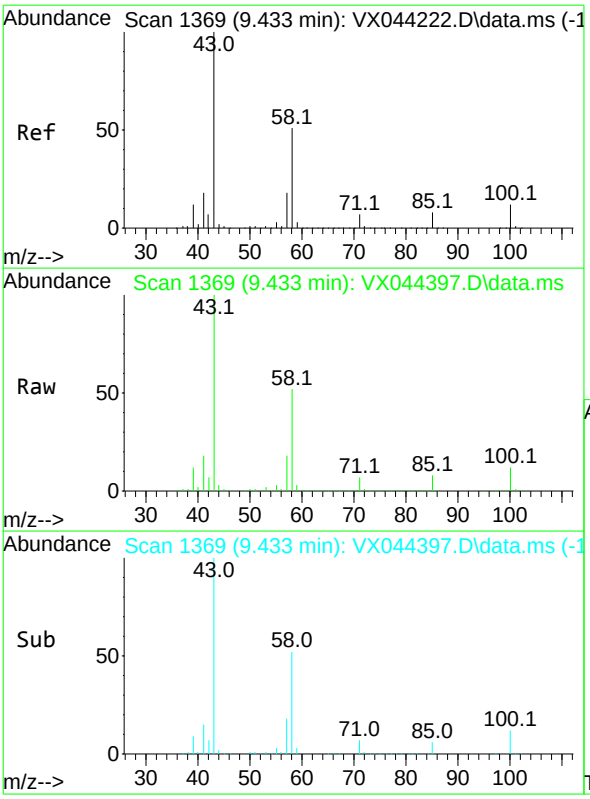



#58
2-Chloroethyl Vinyl ether
Concen: 246.430 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 63 Resp: 319257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.7 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 258.095 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 498511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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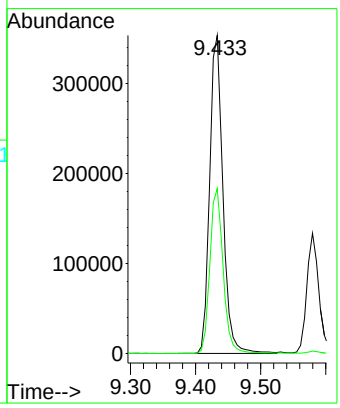
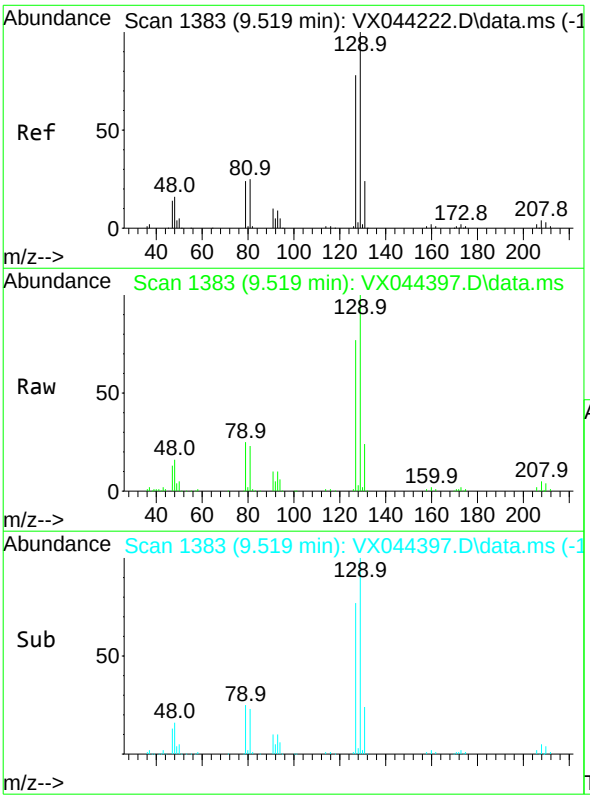
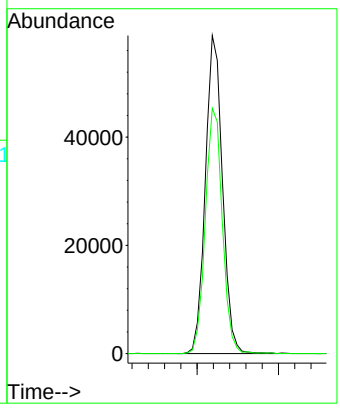


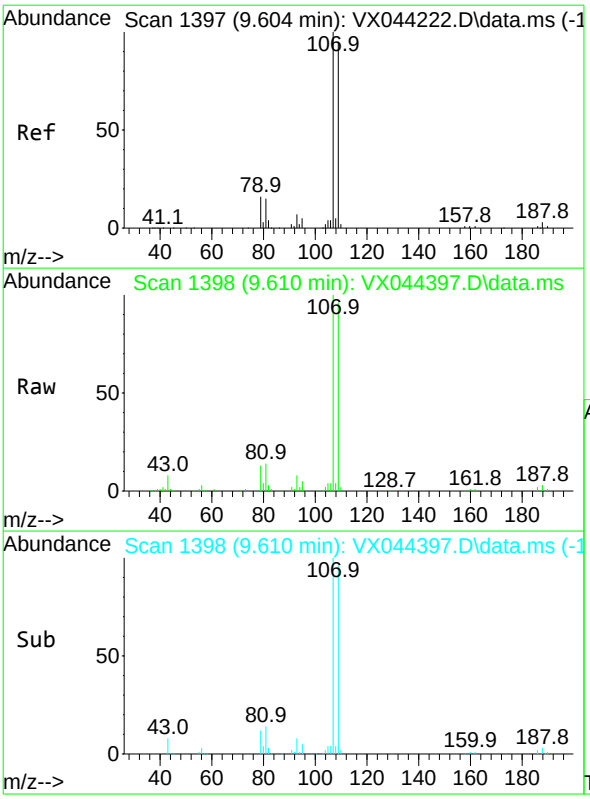




#60
Dibromochloromethane
Concen: 49.779 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:129 Resp: 85744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.5 | 115.3 |

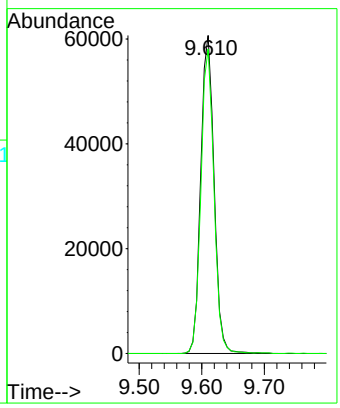





#61
1,2-Dibromoethane
Concen: 54.158 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:107 Resp: 89694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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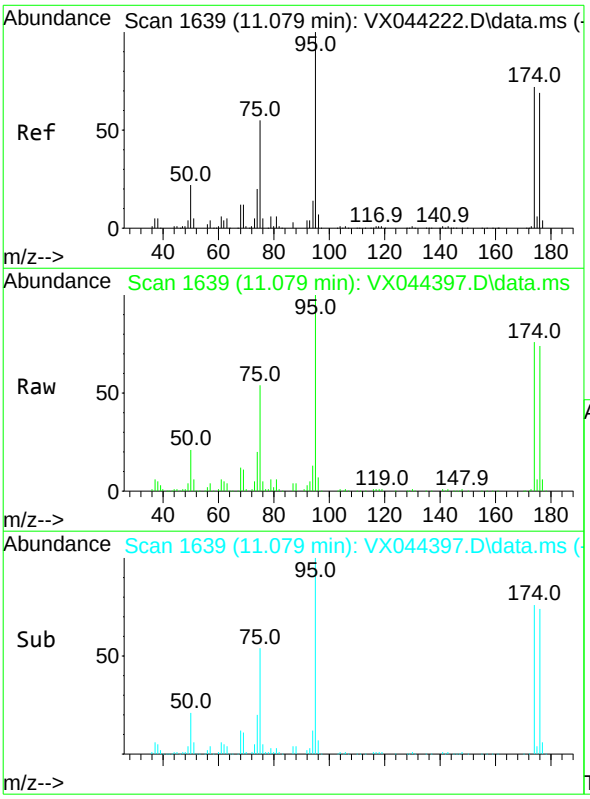
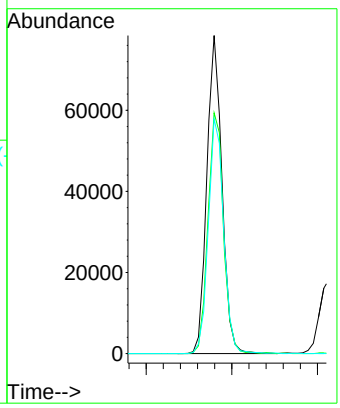
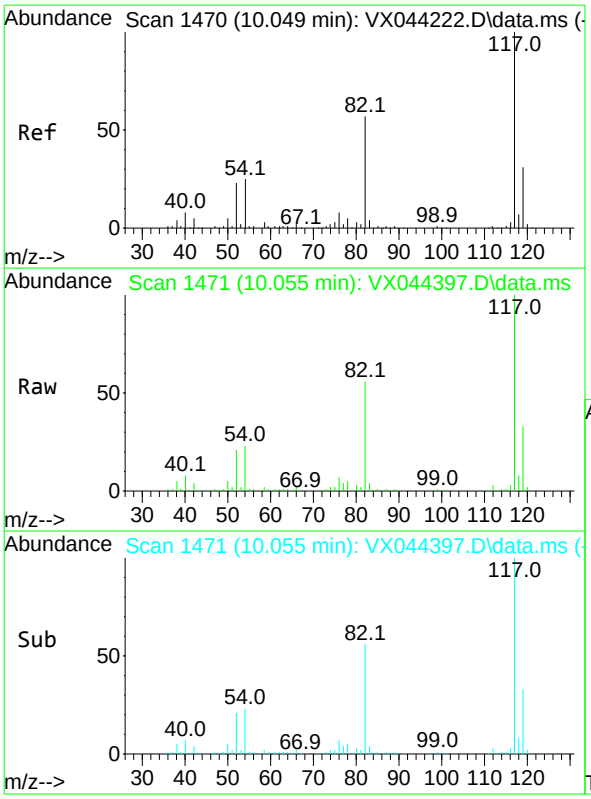



#62
4-Bromofluorobenzene
Concen: 49.060 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 95 Resp: 96109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.3 | 0.0 | 145.8 |
| 176 | 74.8 | 0.0 | 137.8 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:117 Resp: 204282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 45.8 | 68.8 |
| 119 | 33.0 | 25.0 | 37.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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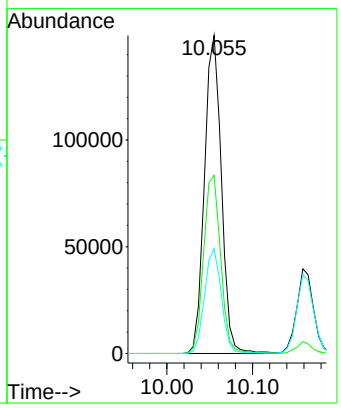
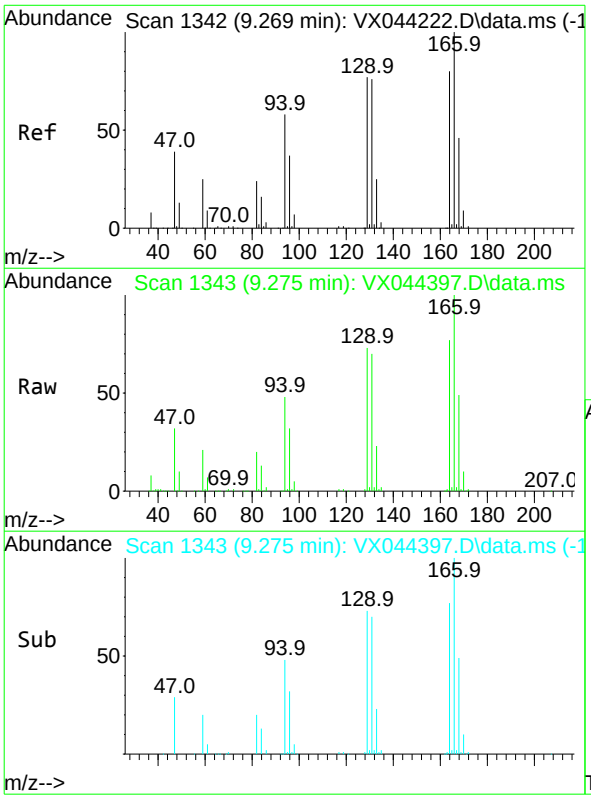
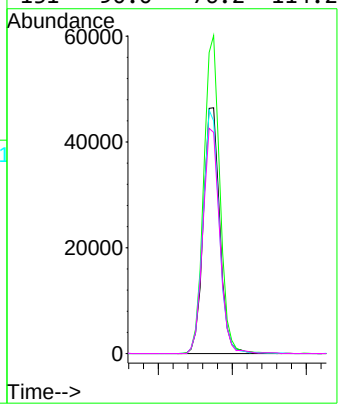


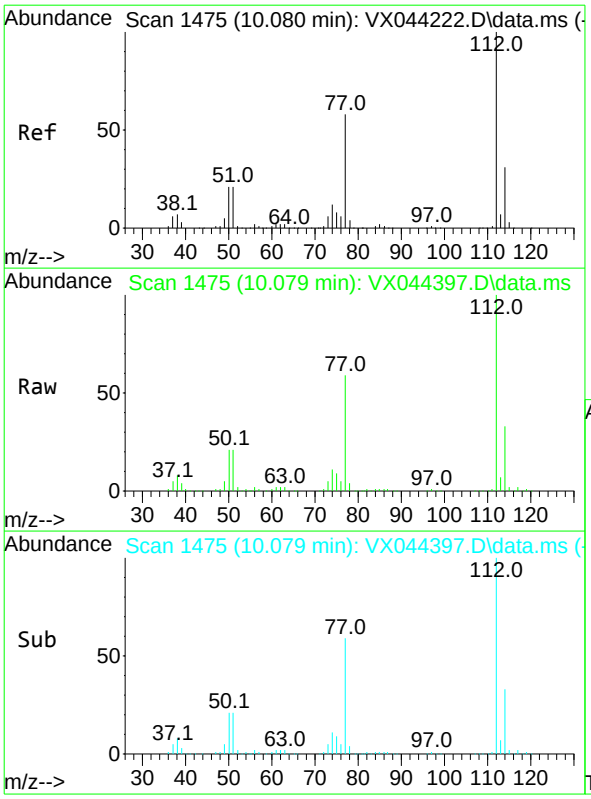




#64
Tetrachloroethene
Concen: 52.769 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:164 Resp: 71547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.4 | 100.4 | 150.6 |
| 129 | 94.6 | 77.2 | 115.8 |
| 131 | 90.0 | 76.2 | 114.2 |






#65
Chlorobenzene
Concen: 52.745 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:112 Resp: 230882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 25.0 | 37.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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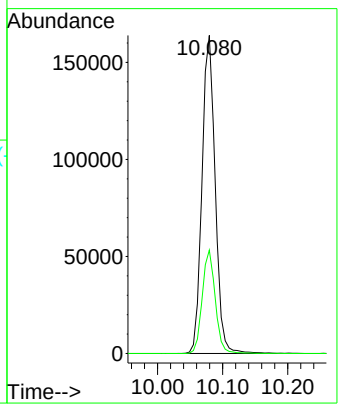
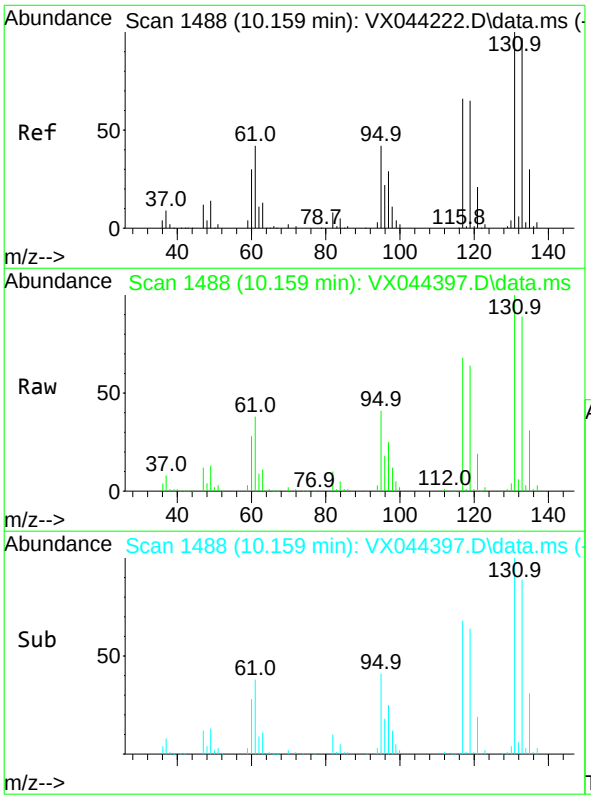
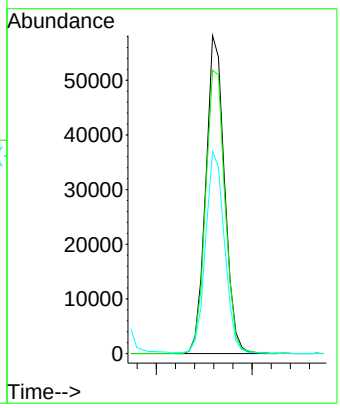


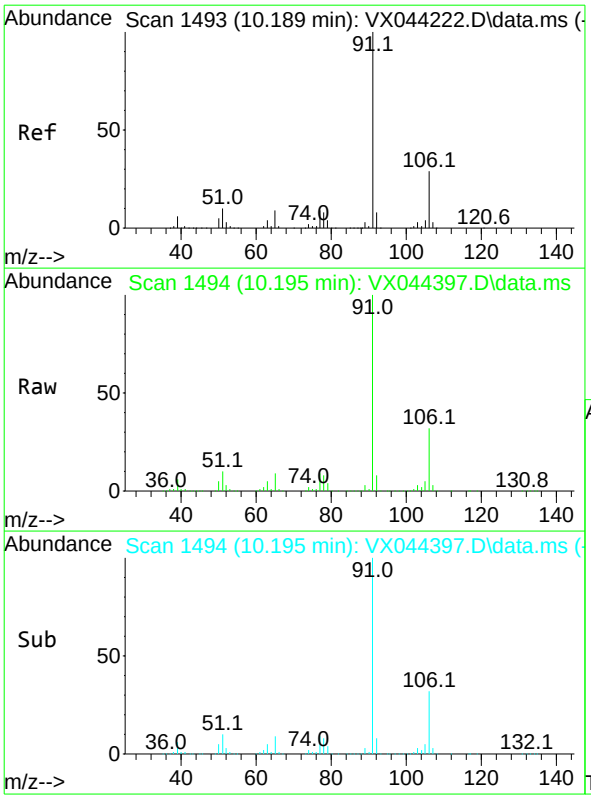




#66
1,1,1,2-Tetrachloroethane
Concen: 56.175 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:131 Resp: 79028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 92.5 | 47.3 | 141.8 |
| 119 | 64.8 | 31.6 | 95.0 |

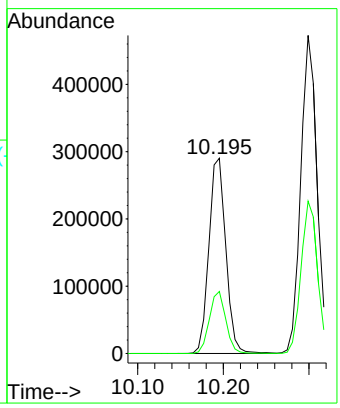





#67
Ethyl Benzene
Concen: 52.690 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 91 Resp: 398506

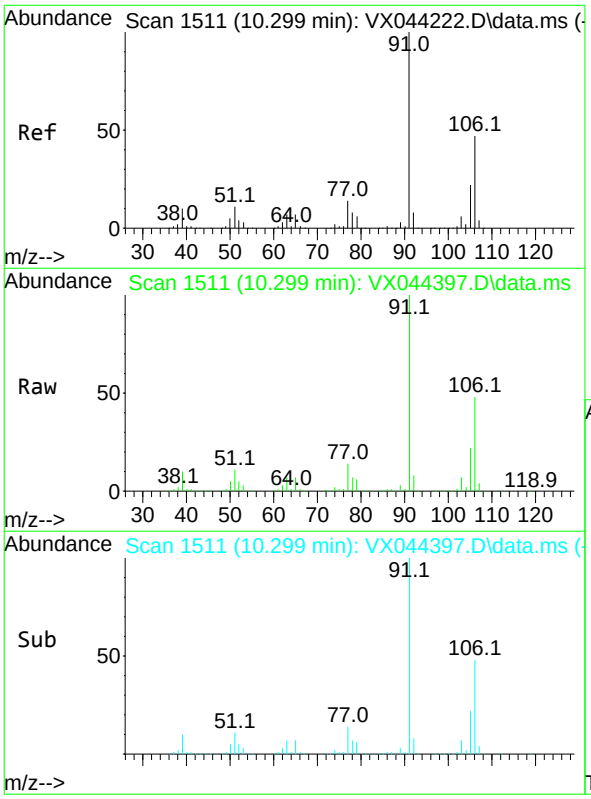
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

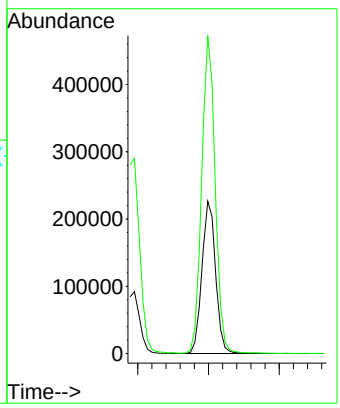
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

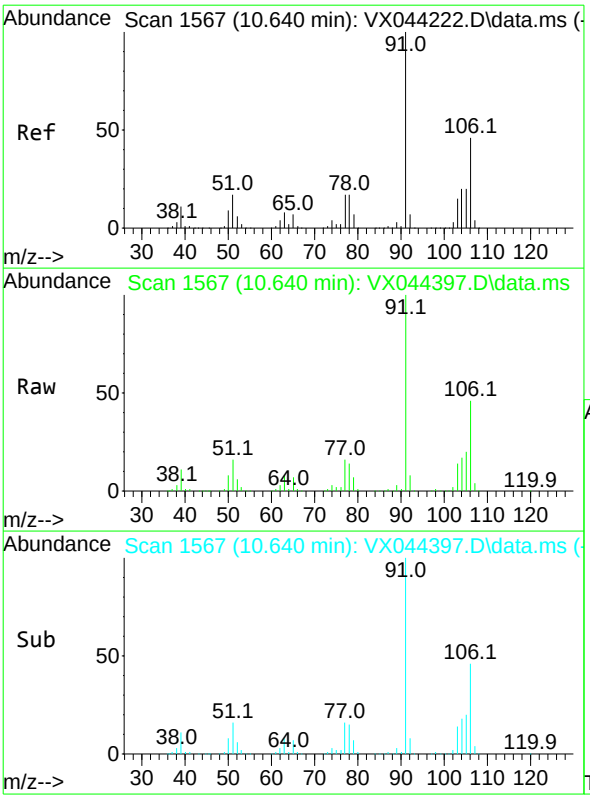



#68
m/p-Xylenes
Concen: 109.271 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:106 Resp: 303258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.1 | 170.2 | 255.2 |






#69
o-Xylene
Concen: 53.305 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:106 Resp: 149680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.8 | 112.3 | 337.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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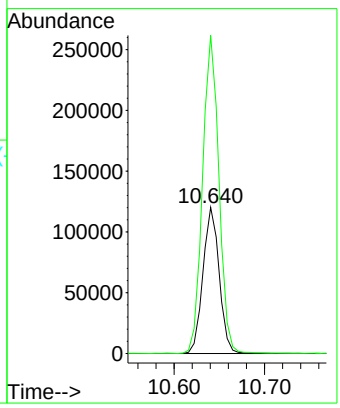
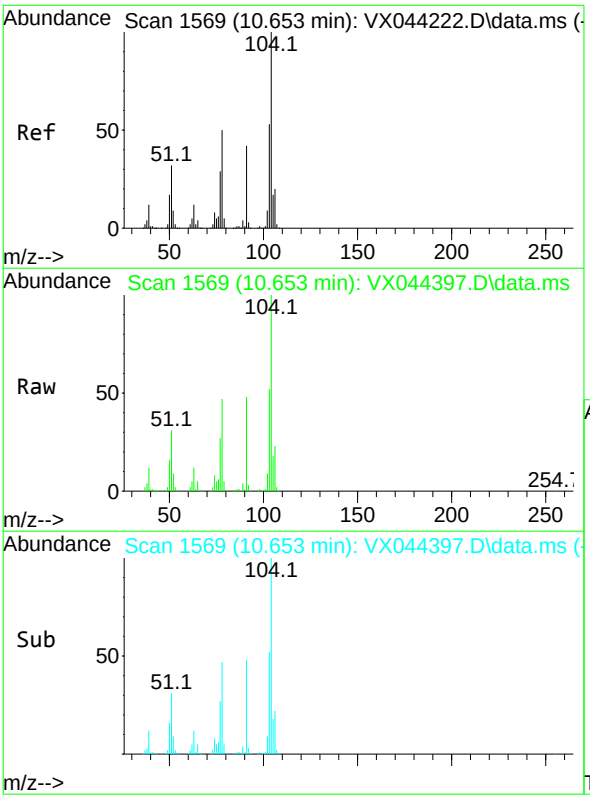
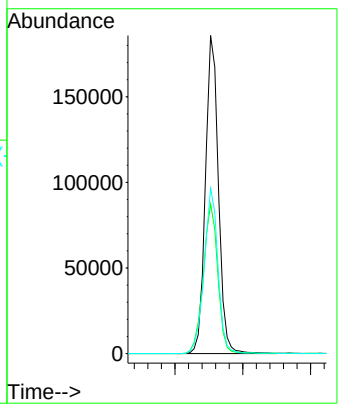


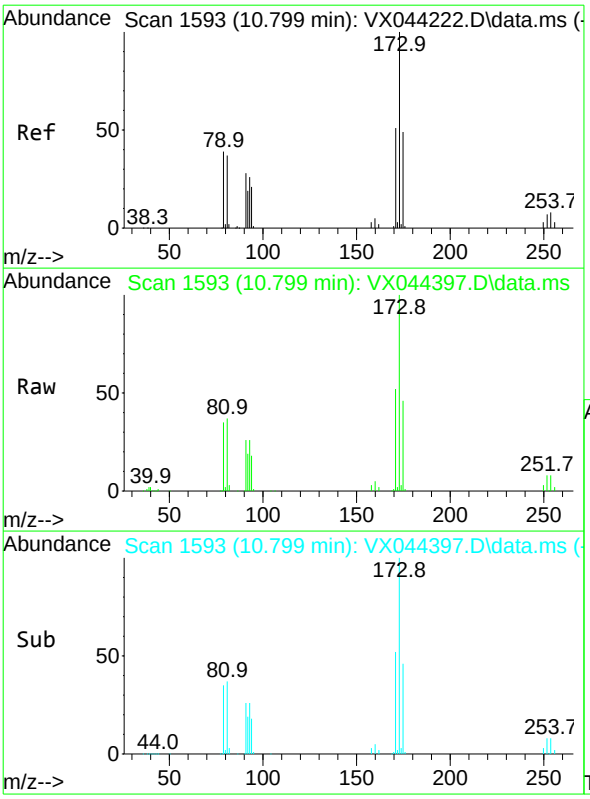




#70
Styrene
Concen: 54.971 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:104 Resp: 247455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 44.6 | 67.0 |
| 103 | 55.4 | 45.4 | 68.0 |






#71
Bromoform
Concen: 52.002 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:173 Resp: 51387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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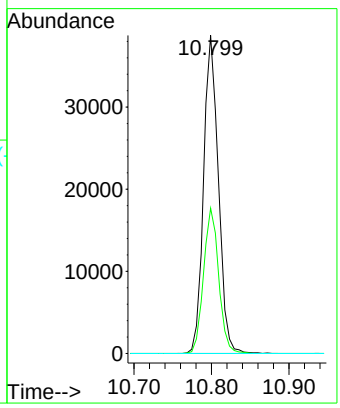
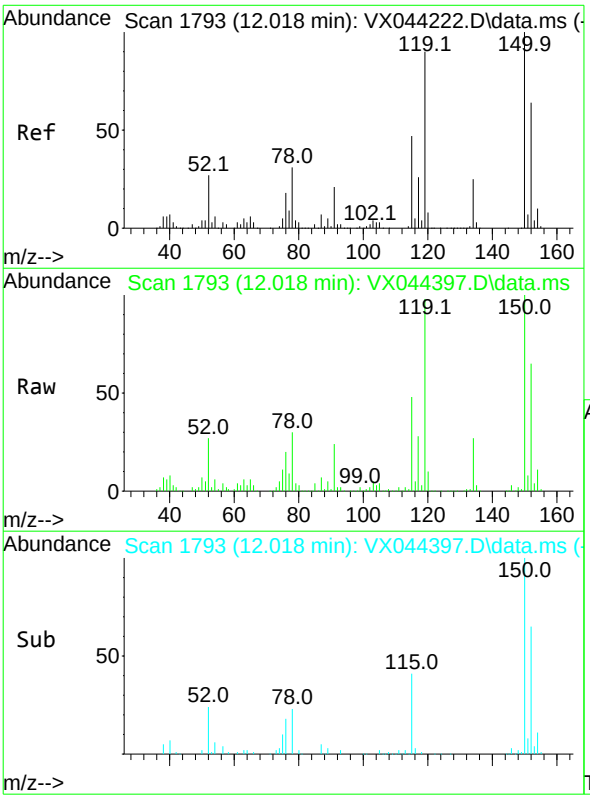
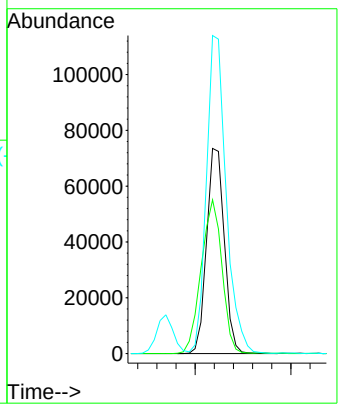


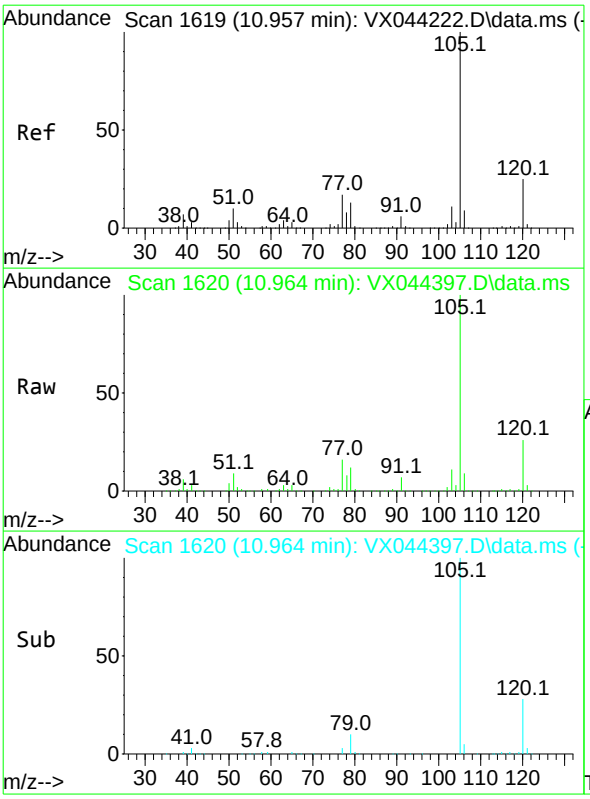




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:152 Resp: 94679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 87.8 | 44.5 | 133.3 |
| 150 | 171.8 | 0.0 | 353.8 |

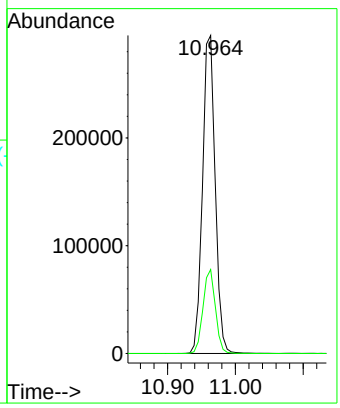





#73
Isopropylbenzene
Concen: 52.735 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:105 Resp: 382227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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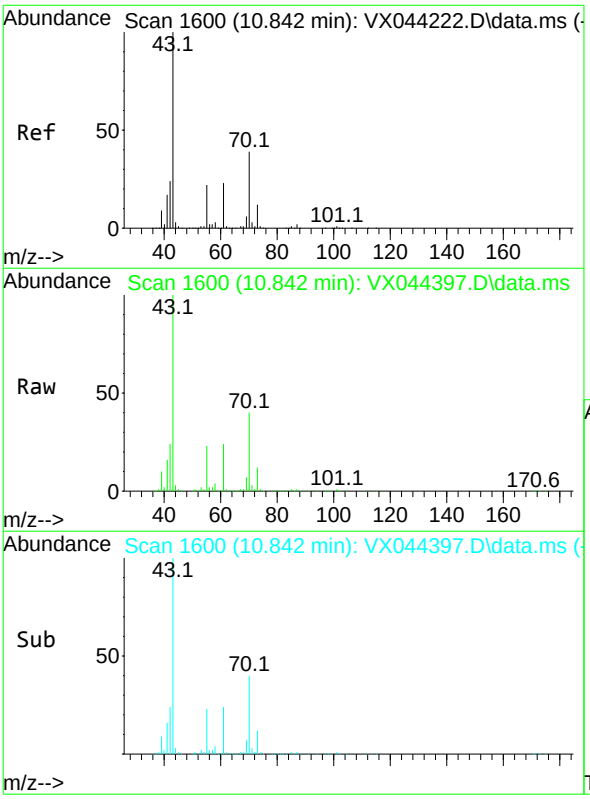
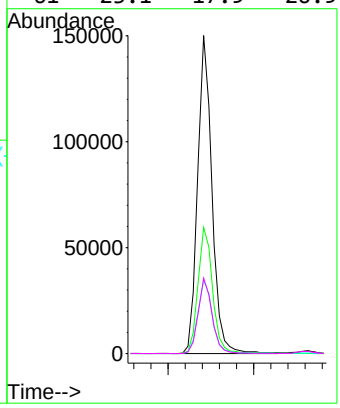
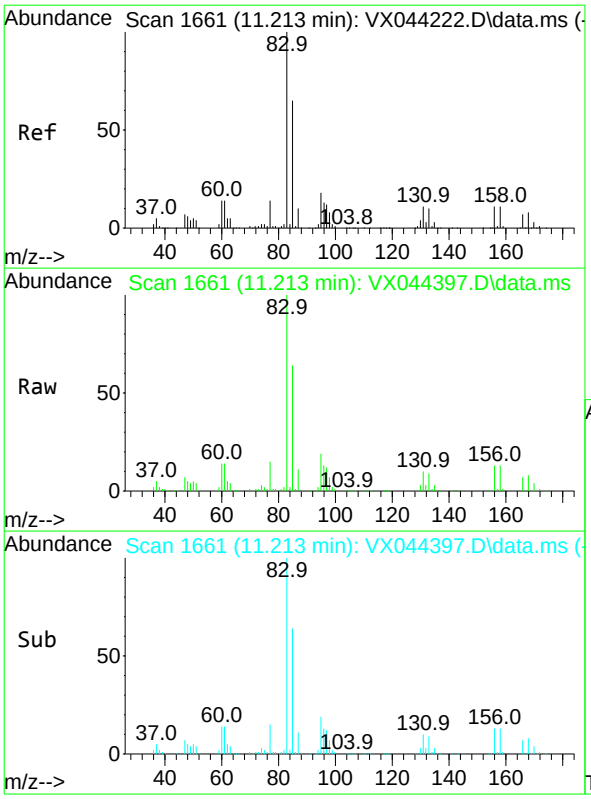



#74
N-amyl acetate
Concen: 52.327 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 175282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.7 | 31.9 | 47.9 |
| 55 | 23.5 | 17.9 | 26.9 |
| 61 | 23.1 | 17.9 | 26.9 |






#75
1,1,2,2-Tetrachloroethane
Concen: 51.441 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 83 Resp: 129501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.4 |
| 85 | 64.0 | 32.5 | 97.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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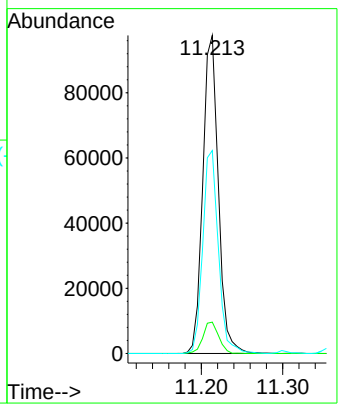
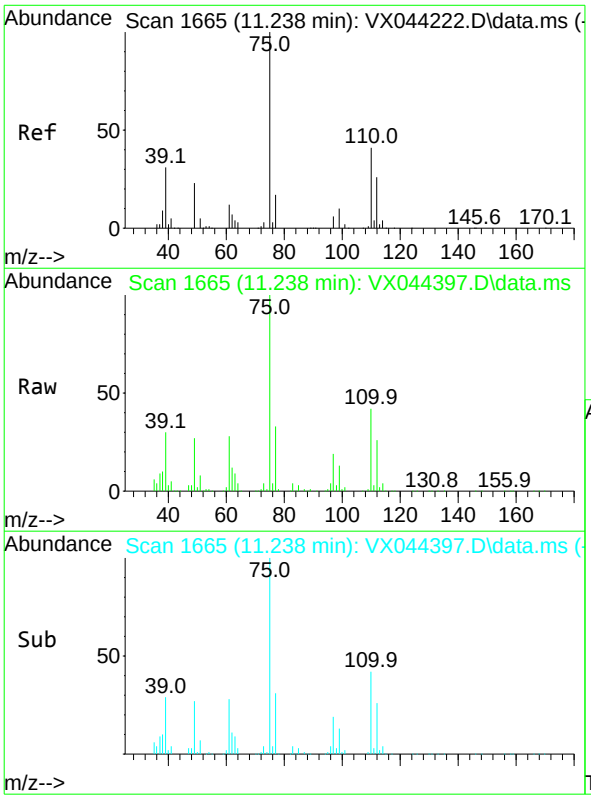
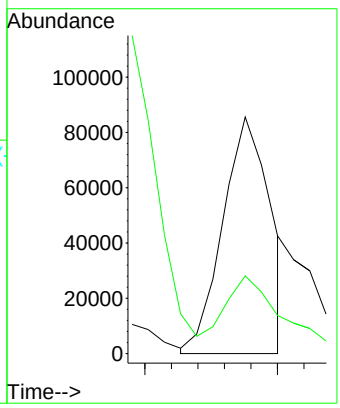


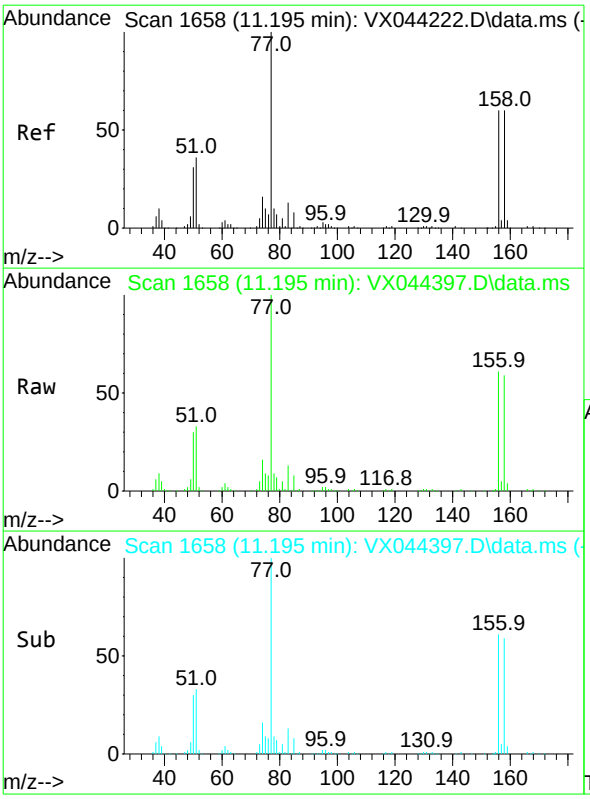




#76
1,2,3-Trichloropropane
Concen: 50.517 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 106791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.3 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 52.151 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:156 Resp: 91662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 160.6 | 82.6 | 247.8 |
| 158 | 97.9 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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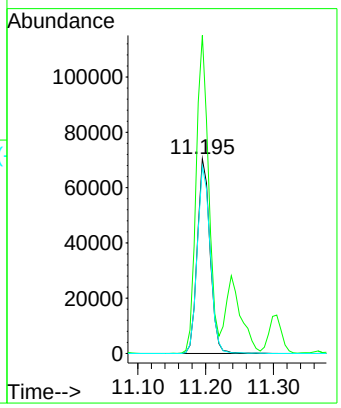
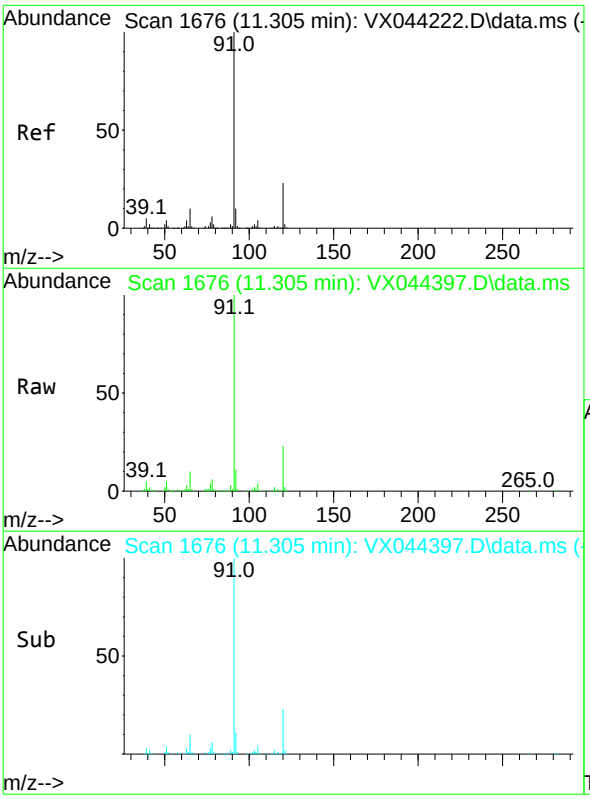
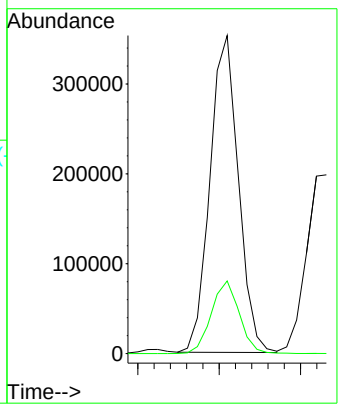


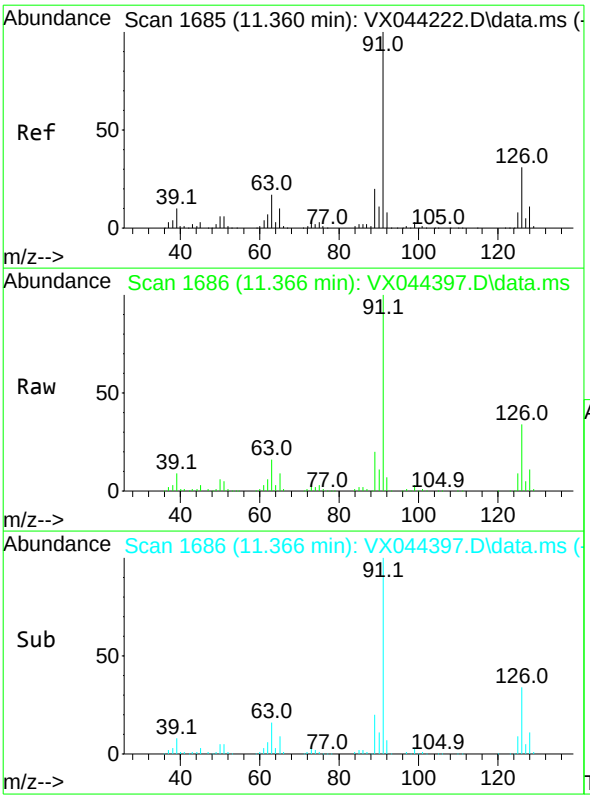




#78
n-propylbenzene
Concen: 53.471 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 91 Resp: 428354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 50.109 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 91 Resp: 259611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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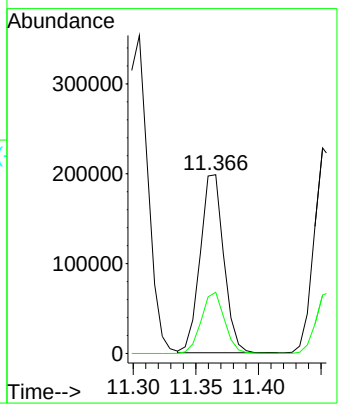
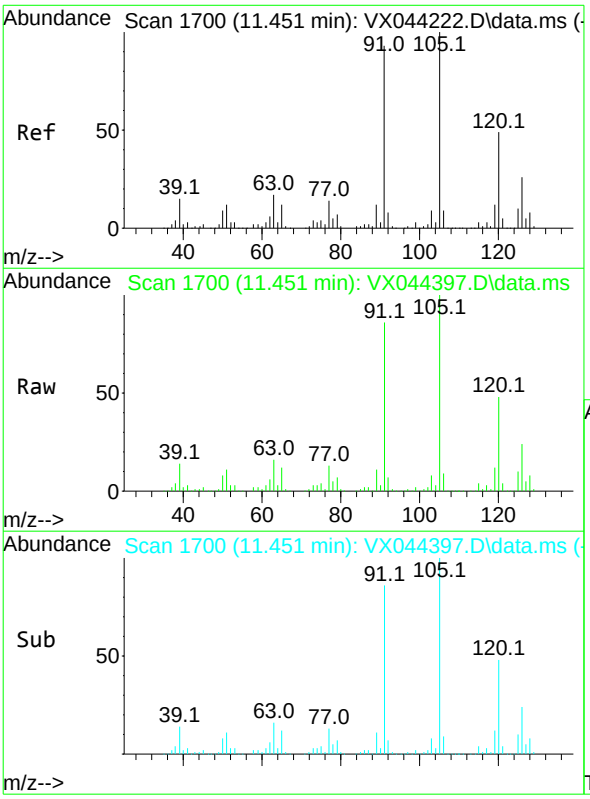
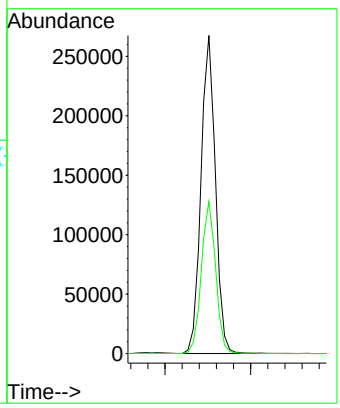


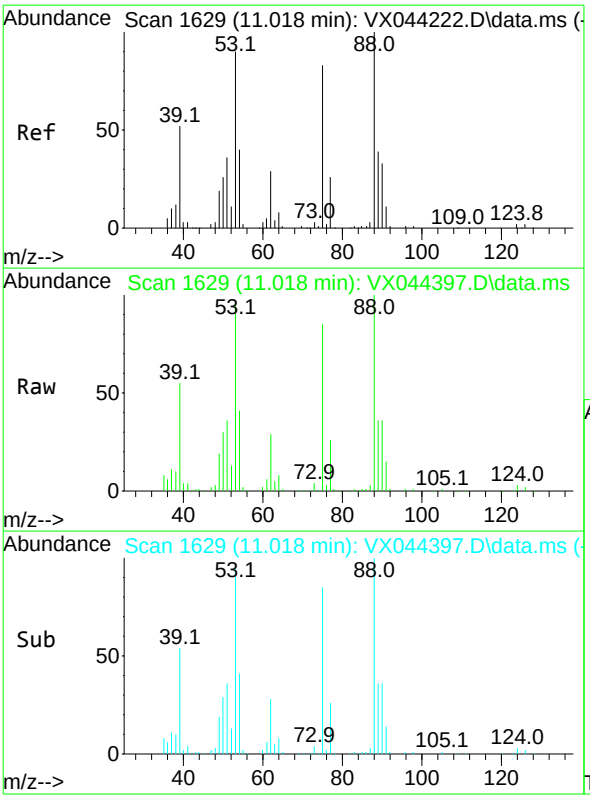




#80
1,3,5-Trimethylbenzene
Concen: 52.028 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:105 Resp: 312728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.3 | 23.8 | 71.4 |

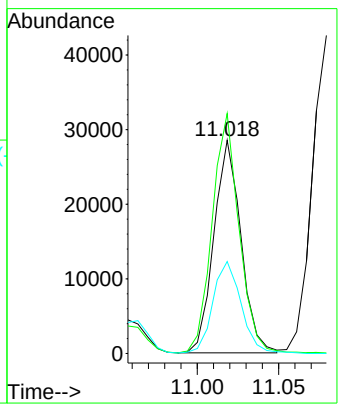





#81
trans-1,4-Dichloro-2-butene
Concen: 45.206 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 32905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 113.2 | 93.6 | 140.4 |
| 89 | 45.4 | 37.3 | 55.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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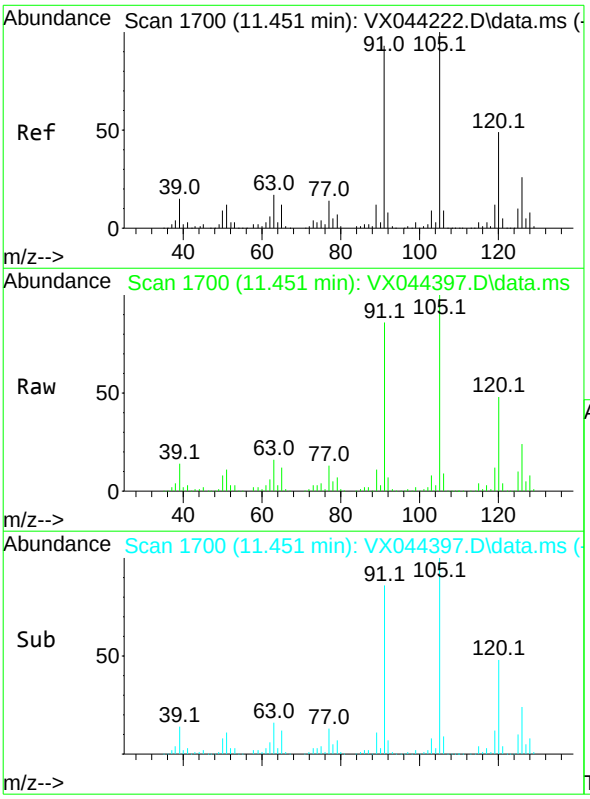
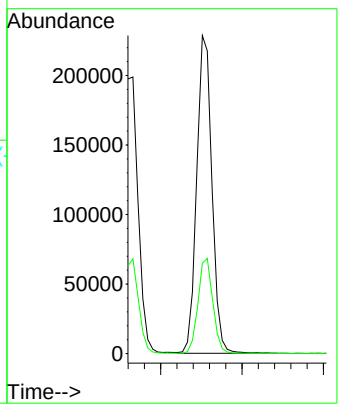
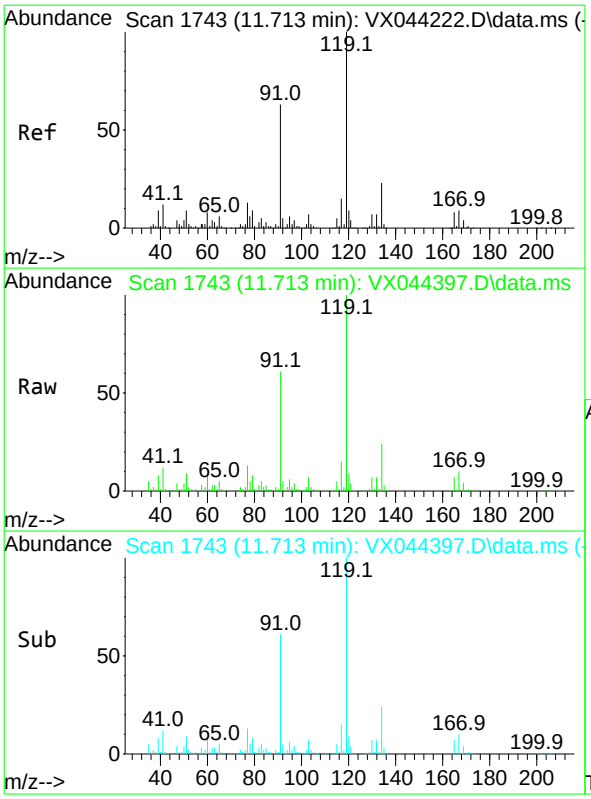



#82
4-Chlorotoluene
Concen: 51.648 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 91 Resp: 296313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.5 | 43.5 |

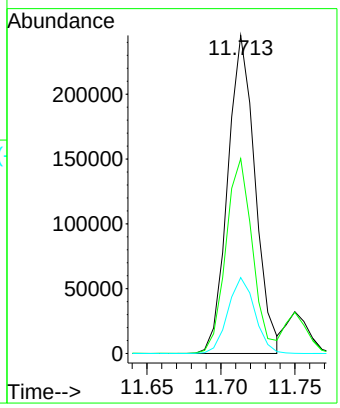





#83
tert-Butylbenzene
Concen: 53.085 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:119 Resp: 315339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.1 | 30.9 | 92.5 |
| 134 | 23.5 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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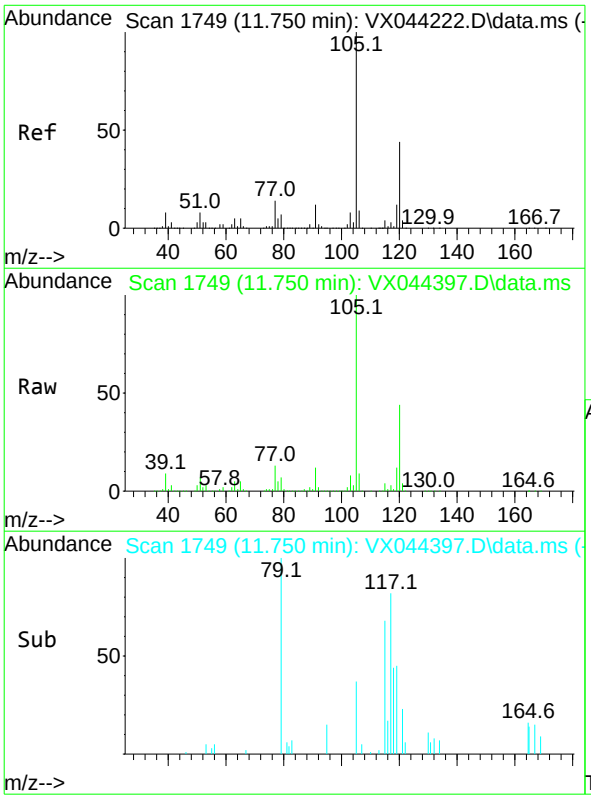
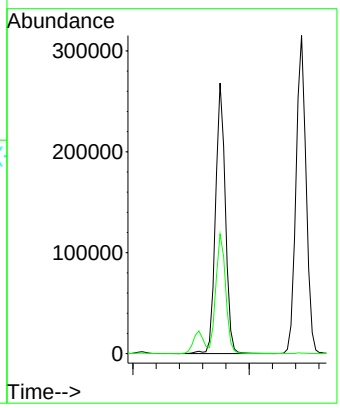
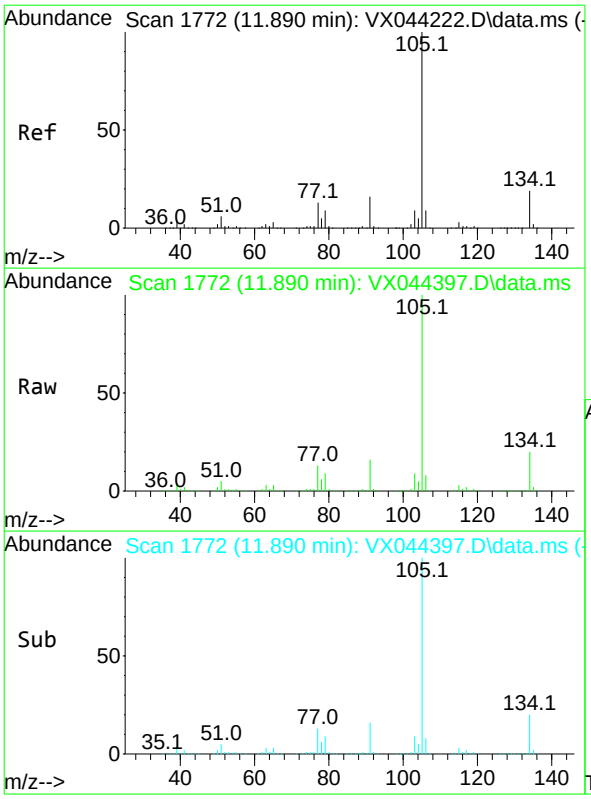



#84
1,2,4-Trimethylbenzene
Concen: 53.346 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:105 Resp: 314902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 52.496 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

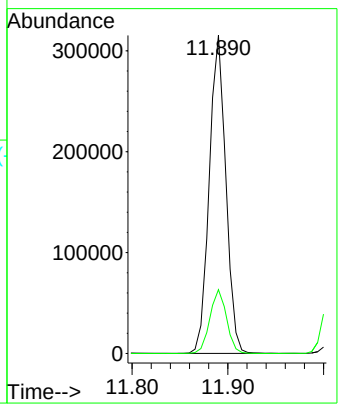
Tgt Ion:105 Resp: 378572

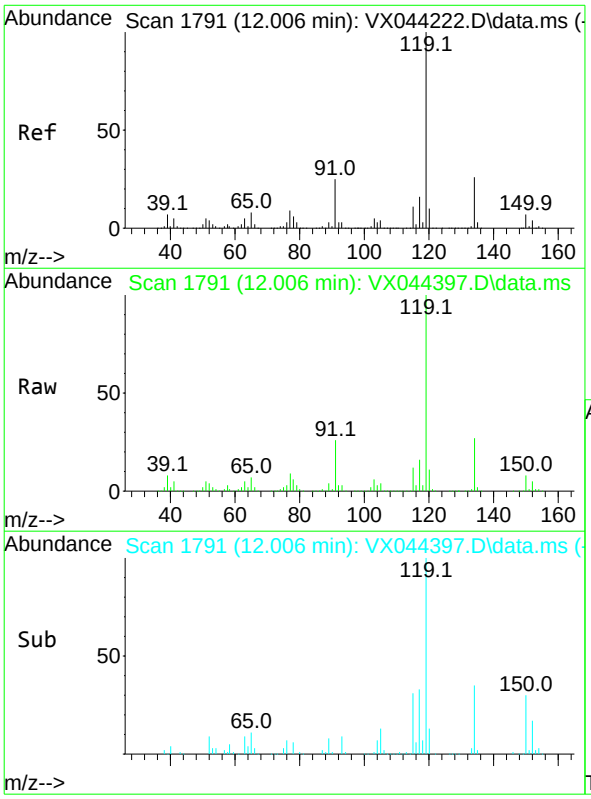
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

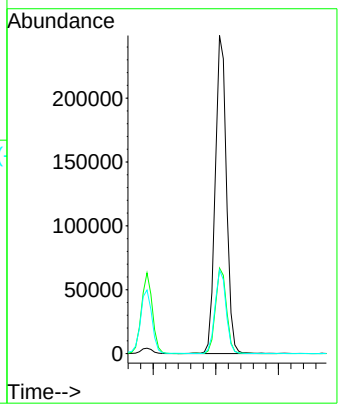


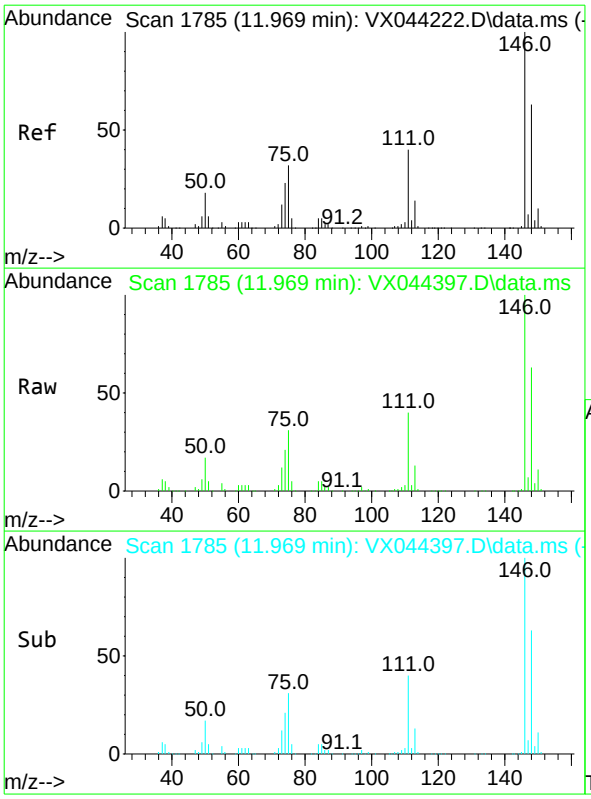




#86
p-Isopropyltoluene
Concen: 51.481 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:119 Resp: 308993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.5 | 12.8 | 38.4 |
| 91 | 26.0 | 13.0 | 39.0 |

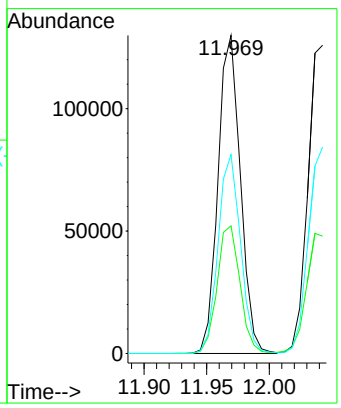





#87
1,3-Dichlorobenzene
Concen: 52.762 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:146 Resp: 161986

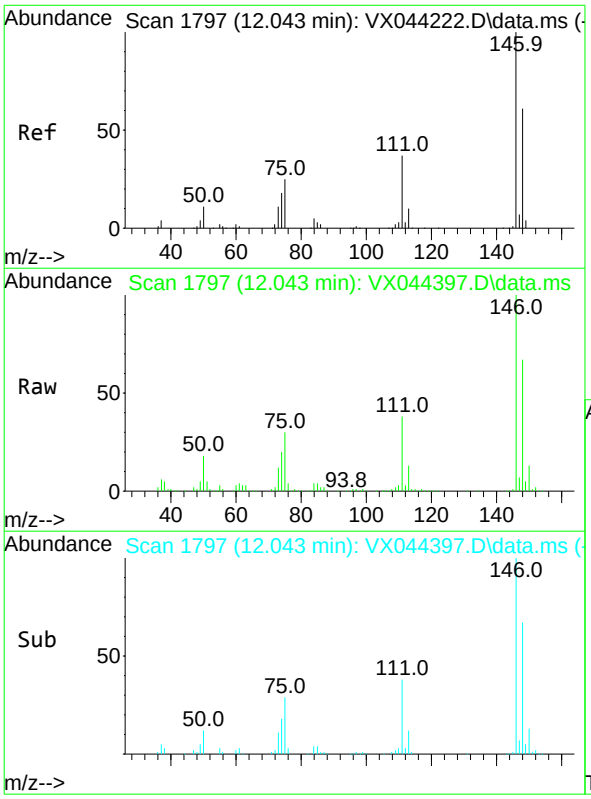
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 21.4 | 64.2 |
| 148 | 62.5 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

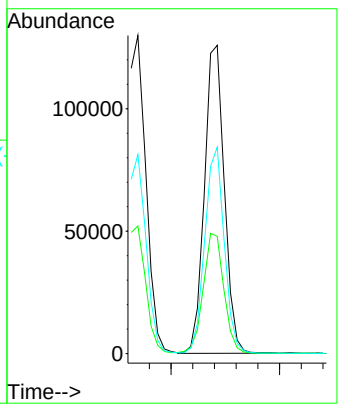
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

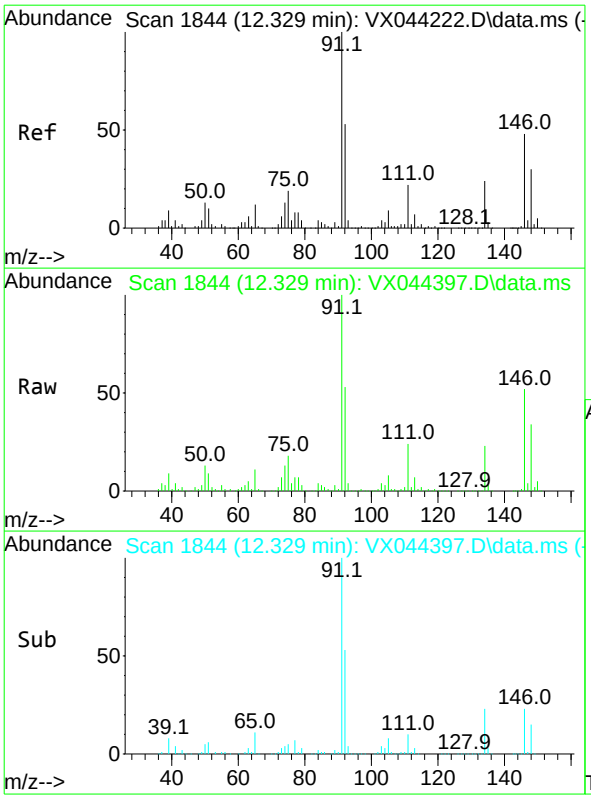



#88
1,4-Dichlorobenzene
Concen: 50.790 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:146 Resp: 160295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 21.0 | 63.0 |
| 148 | 65.8 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 52.608 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

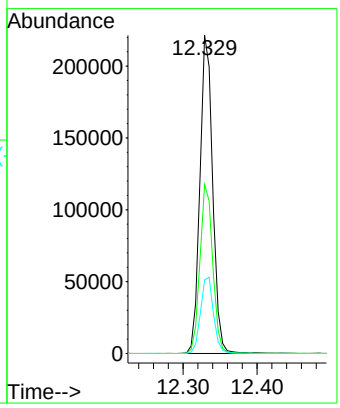
Tgt Ion: 91 Resp: 265516

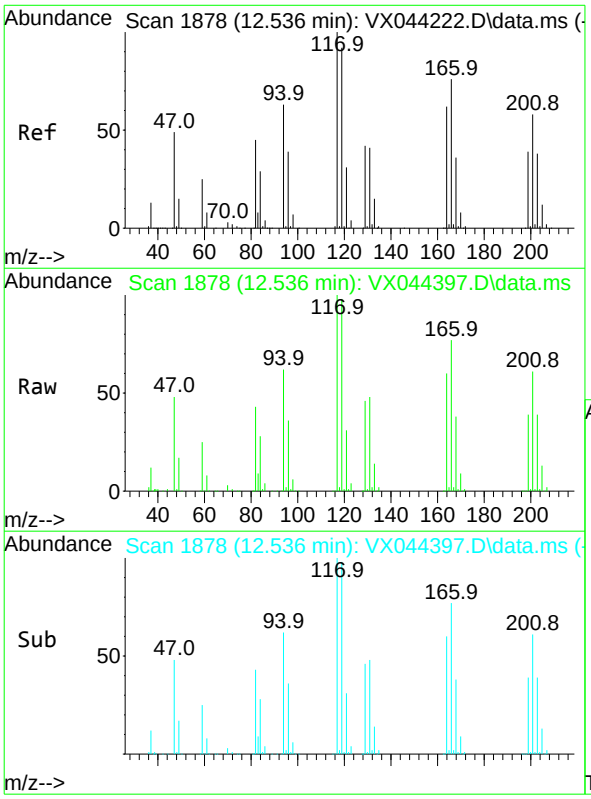
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 26.6 | 79.7 |
| 134 | 24.5 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

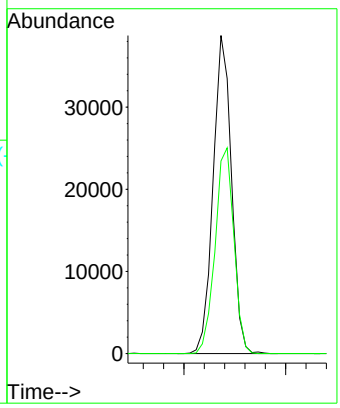


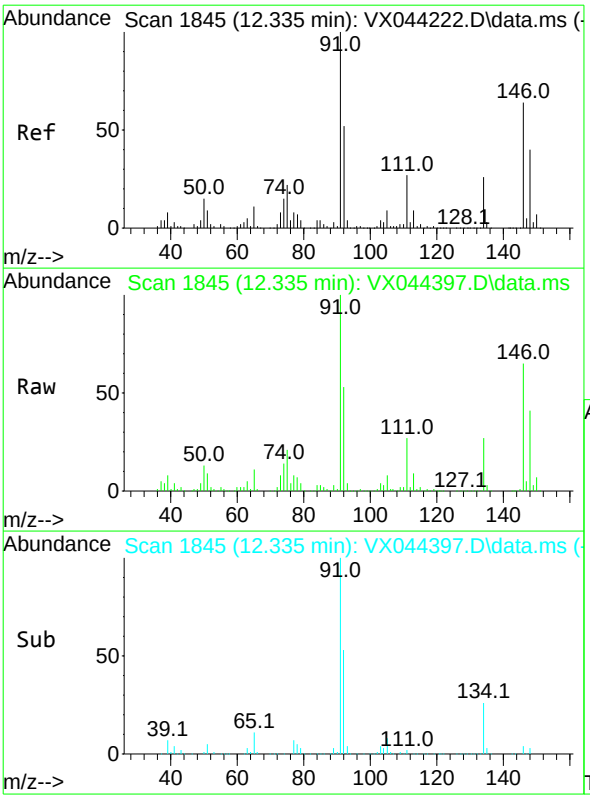




#90
Hexachloroethane
Concen: 55.440 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:117 Resp: 48574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.1 | 31.4 | 94.2 |






#91
1,2-Dichlorobenzene
Concen: 52.197 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

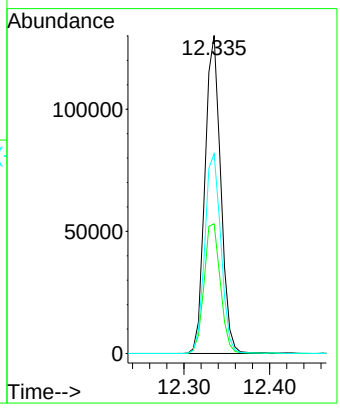
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

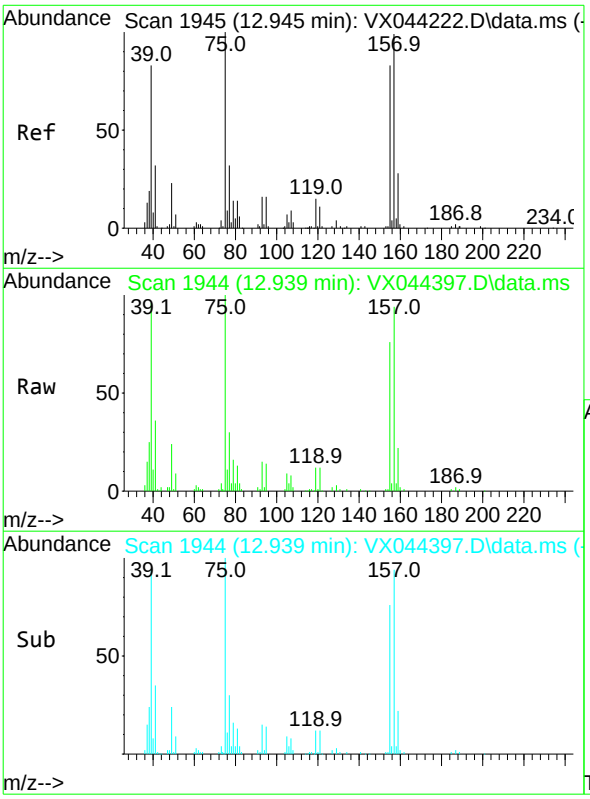
Tgt Ion:146 Resp: 166397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 21.4 | 64.3 |
| 148 | 64.4 | 31.6 | 95.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

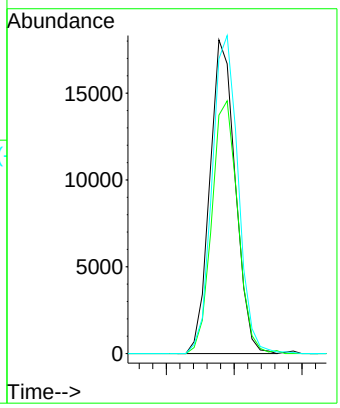


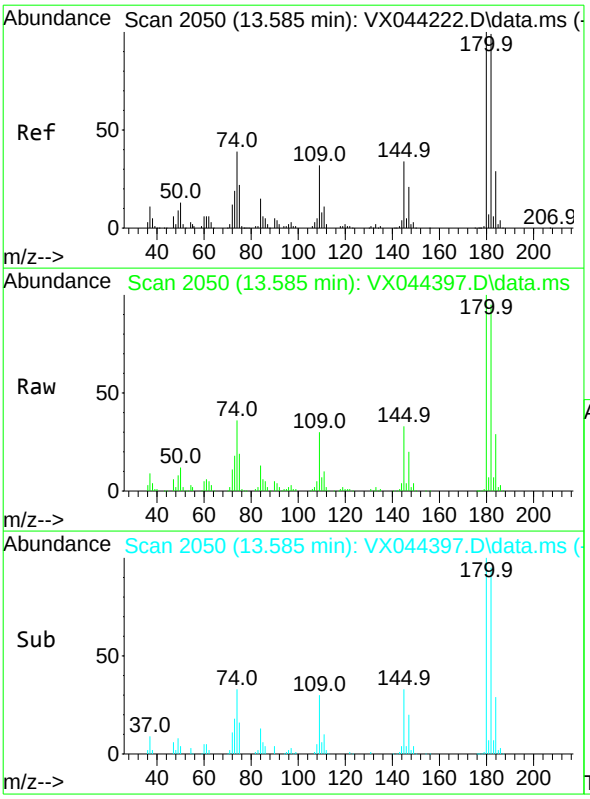




#92
1,2-Dibromo-3-Chloropropane
Concen: 48.201 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 23556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.9 | 38.1 | 114.3 |
| 157 | 103.6 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 53.639 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

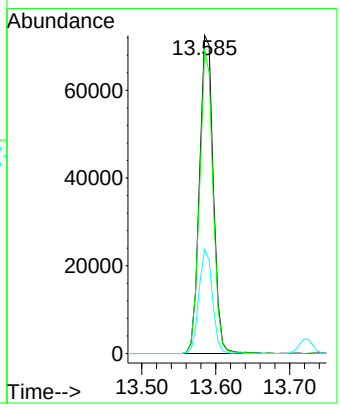
Tgt Ion:180 Resp: 93745

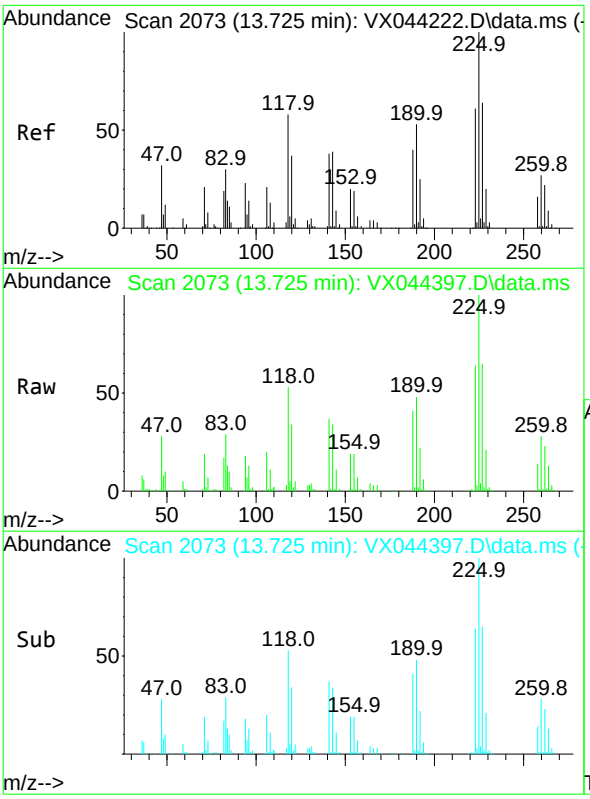
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 48.0 | 144.2 |
| 145 | 32.1 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

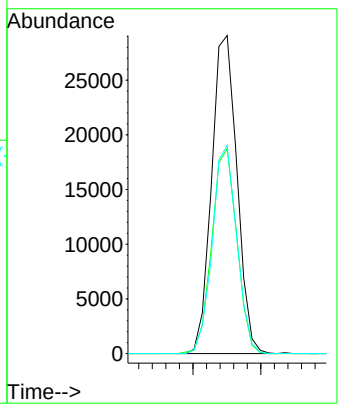


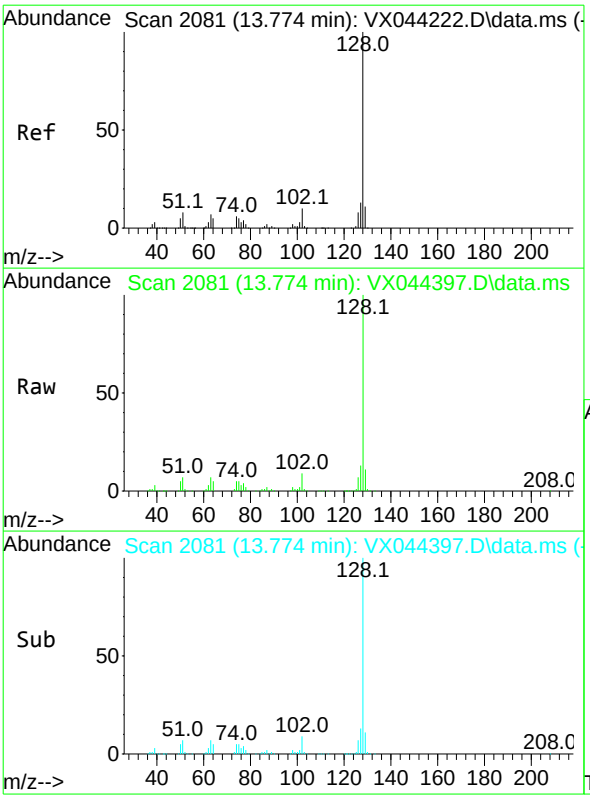




#94
Hexachlorobutadiene
Concen: 53.766 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:225 Resp: 37797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 30.8 | 92.4 |
| 227 | 63.1 | 32.1 | 96.3 |

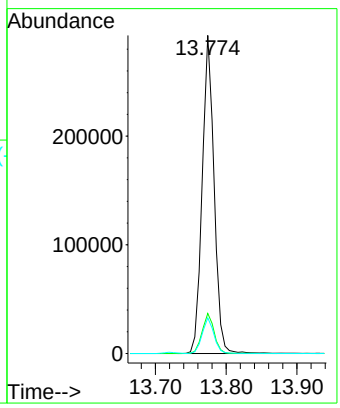





#95
Naphthalene
Concen: 50.021 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:128 Resp: 341241

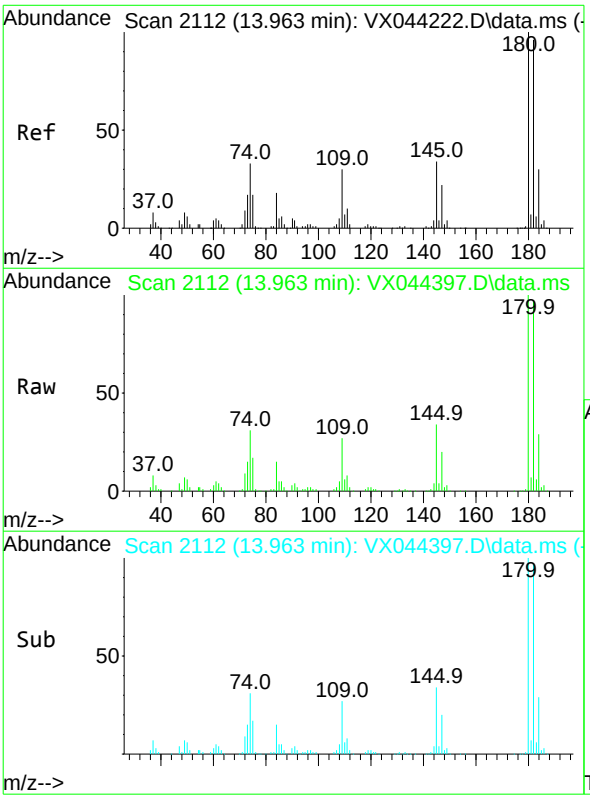
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.5 | 15.7 |
| 129 | 11.1 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

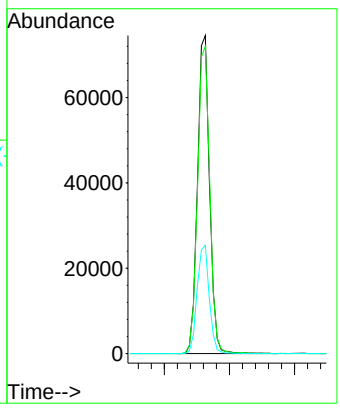
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024




#96
1,2,3-Trichlorobenzene
Concen: 51.669 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:180 Resp: 95779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.1 | 48.0 | 144.0 |
| 145 | 34.3 | 17.7 | 53.1 |



Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.773 | 0.795 | -2.8 | 108 | 0.00 |
| 3 | P | Chloromethane | 0.739 | 0.800 | -8.3 | 114 | 0.00 |
| 4 | C | Vinyl Chloride | 0.770 | 0.816 | -6.0# | 112 | 0.00 |
| 5 | T | Bromomethane | 0.546 | 0.536 | 1.8 | 105 | 0.00 |
| 6 | T | Chloroethane | 0.480 | 0.583 | -21.5 | 118 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.508 | 1.283 | 14.9 | 90 | 0.00 |
| 8 | T | Diethyl Ether | 0.515 | 0.503 | 2.3 | 105 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.605 | 0.8 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 0.804 | 0.889 | -10.6 | 113 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.115 | 7.3 | 103 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.606 | -8.2# | 109 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.206 | -15.1 | 120 | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.982 | -5.3 | 105 | 0.00 |
| 15 | T | Acrylonitrile | 0.342 | 0.362 | -5.8 | 109 | 0.00 |
| 16 | T | Acetone | 0.357 | 0.316 | 11.5 | 89 | 0.00 |
| 17 | T | Carbon Disulfide | 1.065 | 1.175 | -10.3 | 110 | 0.00 |
| 18 | T | Methyl Acetate | 0.922 | 0.917 | 0.5 | 104 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.187 | 2.162 | 1.1 | 101 | 0.00 |
| 20 | T | Methylene Chloride | 0.671 | 0.694 | -3.4 | 108 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.622 | -4.4 | 108 | 0.00 |
| 22 | T | Diisopropyl ether | 2.102 | 2.127 | -1.2 | 105 | 0.00 |
| 23 | T | Vinyl Acetate | 1.709 | 1.846 | -8.0 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.172 | 1.235 | -5.4 | 107 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.502 | 1.2 | 99 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.952 | 0.824 | 13.4 | 85 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.756 | 0.766 | -1.3 | 107 | 0.00 |
| 28 | T | Bromochloromethane | 0.575 | 0.549 | 4.5 | 100 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.322 | 1.2 | 103 | 0.00 |
| 30 | C | Chloroform | 1.316 | 1.307 | 0.7# | 105 | 0.00 |
| 31 | T | Cyclohexane | 0.946 | 0.938 | 0.8 | 103 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.093 | 1.128 | -3.2 | 103 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.877 | 0.798 | 9.0 | 93 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.354 | -2.3 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.448 | 0.461 | -2.9 | 106 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.568 | -2.7 | 100 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.482 | 0.502 | -4.1 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 0.535 | 0.545 | -1.9 | 101 | 0.00 |
| 40 | TM | Benzene | 1.359 | 1.475 | -8.5 | 107 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.310 | -5.4 | 106 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.560 | 0.564 | -0.7 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.898 | -3.8 | 101 | 0.00 |
| 44 | TM | Trichloroethene | 0.339 | 0.355 | -4.7 | 105 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.347 | 0.365 | -5.2# | 105 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.285 | -5.9 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 0.465 | 0.515 | -10.8 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 0.420 | 0.418 | 0.5 | 97 | 0.00 |

Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.005 | 28.6# | 72 | 0.00 |
| 50 | S | Toluene-d8 | 1.168 | 1.174 | -0.5 | 96 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.556 | 0.569 | -2.3 | 99 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.893 | -4.7# | 105 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.455 | 0.481 | -5.7 | 96 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.507 | 0.550 | -8.5 | 100 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.339 | 0.364 | -7.4 | 105 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.535 | 0.571 | -6.7 | 102 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.617 | -4.6 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.266 | 1.5 | 93 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.416 | -3.2 | 97 | 0.00 |
| 60 | T | Dibromochloromethane | 0.326 | 0.357 | -9.5 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.374 | -8.4 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.408 | 0.401 | 1.7 | 93 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 64 | T | Tetrachloroethene | 0.332 | 0.350 | -5.4 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.130 | -5.5 | 103 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.344 | 0.387 | -12.5 | 103 | 0.00 |
| 67 | C | Ethyl Benzene | 1.851 | 1.951 | -5.4# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.742 | -9.3 | 105 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.733 | -6.7 | 104 | 0.00 |
| 70 | T | Styrene | 1.102 | 1.211 | -9.9 | 104 | 0.00 |
| 71 | P | Bromoform | 0.219 | 0.252 | -15.1 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 73 | T | Isopropylbenzene | 3.828 | 4.037 | -5.5 | 103 | 0.00 |
| 74 | T | N-amyl acetate | 1.769 | 1.851 | -4.6 | 96 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.329 | 1.368 | -2.9 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.116 | 1.128 | -1.1 | 100 | 0.00 |
| 77 | T | Bromobenzene | 0.928 | 0.968 | -4.3 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 4.231 | 4.524 | -6.9 | 100 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.736 | 2.742 | -0.2 | 98 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.174 | 3.303 | -4.1 | 99 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.347 | 0.348 | -0.3 | 94 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.030 | 3.130 | -3.3 | 100 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.137 | 3.331 | -6.2 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.117 | 3.326 | -6.7 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.808 | 3.998 | -5.0 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.170 | 3.264 | -3.0 | 97 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.621 | 1.711 | -5.6 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.693 | -1.6 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 2.665 | 2.804 | -5.2 | 98 | 0.00 |
| 90 | T | Hexachloroethane | 0.463 | 0.513 | -10.8 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.757 | -4.4 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.249 | 3.5 | 91 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.923 | 0.990 | -7.3 | 101 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.371 | 0.399 | -7.5 | 107 | 0.00 |
| 95 | T | Naphthalene | 3.603 | 3.604 | -0.0 | 93 | 0.00 |

Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.979 | 1.012 | -3.4 | 99 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 108 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 51.383 | -2.8 | 108 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 54.116 | -8.2 | 114 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 52.982 | -6.0# | 112 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.001 | 2.0 | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 60.808 | -21.6 | 118 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 42.551 | 14.9 | 90 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.894 | 2.2 | 105 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.568 | 0.9 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 55.298 | -10.6 | 113 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 233.146 | 6.7 | 103 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 54.088 | -8.2# | 109 | 0.00 |
| 13 | T | Acrolein | 250.000 | 287.785 | -15.1 | 120 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.597 | -5.2 | 105 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 264.238 | -5.7 | 109 | 0.00 |
| 16 | T | Acetone | 250.000 | 221.165 | 11.5 | 89 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 55.140 | -10.3 | 110 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 49.781 | 0.4 | 104 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.423 | 1.2 | 101 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.666 | -3.3 | 108 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.232 | -4.5 | 108 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.590 | -1.2 | 105 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 270.083 | -8.0 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.681 | -5.4 | 107 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 247.114 | 1.2 | 99 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 43.294 | 13.4 | 85 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.631 | -1.3 | 107 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.791 | 4.4 | 100 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 246.831 | 1.3 | 103 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.644 | 0.7# | 105 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.582 | 0.8 | 103 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.614 | -3.2 | 103 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.507 | 9.0 | 93 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.157 | -2.3 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.438 | -2.9 | 106 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.297 | -2.6 | 100 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 52.064 | -4.1 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.884 | -1.8 | 101 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.246 | -8.5 | 107 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.726 | -5.5 | 106 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.400 | -0.8 | 99 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.907 | -3.8 | 101 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.403 | -4.8 | 105 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.551 | -5.1# | 105 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.923 | -5.8 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 55.381 | -10.8 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.782 | 0.4 | 97 | 0.00 |

Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 762.005 | 23.8 | 72 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.233 | -0.5 | 96 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 255.786 | -2.3 | 99 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.287 | -4.6# | 105 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.259 | 3.5 | 96 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.285 | -8.6 | 100 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.669 | -7.3 | 105 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.333 | -6.7 | 102 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.251 | -4.5 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 246.430 | 1.4 | 93 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 258.095 | -3.2 | 97 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.779 | 0.4 | 99 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.158 | -8.3 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.060 | 1.9 | 93 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.769 | -5.5 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.745 | -5.5 | 103 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 56.175 | -12.3 | 103 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.690 | -5.4# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 109.271 | -9.3 | 105 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.305 | -6.6 | 104 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.971 | -9.9 | 104 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.002 | -4.0 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.735 | -5.5 | 103 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 52.327 | -4.7 | 96 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.441 | -2.9 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.517 | -1.0 | 100 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.151 | -4.3 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.471 | -6.9 | 100 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.109 | -0.2 | 98 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.028 | -4.1 | 99 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.206 | 9.6 | 94 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.648 | -3.3 | 100 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.085 | -6.2 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.346 | -6.7 | 100 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.496 | -5.0 | 100 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.481 | -3.0 | 97 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.762 | -5.5 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.790 | -1.6 | 101 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.608 | -5.2 | 98 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 55.440 | -10.9 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.197 | -4.4 | 101 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.201 | 3.6 | 91 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 53.639 | -7.3 | 101 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.766 | -7.5 | 107 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.021 | -0.0 | 93 | 0.00 |

Sample Results: **VX044397.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.669 | -3.3 | 99 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044419.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/19/2024 07:14

Lab File ID: VX044419.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.773 | 0.726 | | -6.08 | 50 |
| Chloromethane | 0.739 | 0.772 | 0.1 | 4.47 | 50 |
| Vinyl Chloride | 0.770 | 0.787 | | 2.21 | 50 |
| Bromomethane | 0.546 | 0.550 | | 0.73 | 50 |
| Chloroethane | 0.480 | 0.563 | | 17.29 | 50 |
| Trichlorofluoromethane | 1.508 | 1.206 | | -20.03 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.610 | 0.523 | | -14.26 | 50 |
| 1,1-Dichloroethene | 0.560 | 0.578 | | 3.21 | 50 |
| Acetone | 0.357 | 0.336 | | -5.88 | 50 |
| Carbon Disulfide | 1.065 | 1.140 | | 7.04 | 50 |
| Methyl tert-butyl Ether | 2.187 | 2.245 | | 2.65 | 50 |
| Methyl Acetate | 0.922 | 0.957 | | 3.8 | 50 |
| Methylene Chloride | 0.671 | 0.712 | | 6.11 | 50 |
| trans-1,2-Dichloroethene | 0.596 | 0.598 | | 0.34 | 50 |
| 1,1-Dichloroethane | 1.172 | 1.226 | 0.1 | 4.61 | 50 |
| Cyclohexane | 0.946 | 0.810 | | -14.38 | 50 |
| 2-Butanone | 0.508 | 0.510 | | 0.39 | 50 |
| Carbon Tetrachloride | 0.482 | 0.467 | | -3.11 | 50 |
| cis-1,2-Dichloroethene | 0.756 | 0.755 | | -0.13 | 50 |
| Bromochloromethane | 0.575 | 0.579 | | 0.7 | 50 |
| Chloroform | 1.316 | 1.295 | | -1.6 | 50 |
| 1,1,1-Trichloroethane | 1.093 | 1.063 | | -2.74 | 50 |
| Methylcyclohexane | 0.535 | 0.445 | | -16.82 | 50 |
| Benzene | 1.359 | 1.429 | | 5.15 | 50 |
| 1,2-Dichloroethane | 0.560 | 0.575 | | 2.68 | 50 |
| Trichloroethene | 0.339 | 0.345 | | 1.77 | 50 |
| 1,2-Dichloropropane | 0.347 | 0.365 | | 5.19 | 50 |
| Bromodichloromethane | 0.465 | 0.507 | | 9.03 | 50 |
| 4-Methyl-2-Pentanone | 0.556 | 0.581 | | 4.5 | 50 |
| Toluene | 0.853 | 0.839 | | -1.64 | 50 |
| t-1,3-Dichloropropene | 0.455 | 0.461 | | 1.32 | 50 |
| cis-1,3-Dichloropropene | 0.507 | 0.509 | | 0.39 | 50 |
| 1,1,2-Trichloroethane | 0.339 | 0.362 | | 6.78 | 50 |
| 2-Hexanone | 0.403 | 0.424 | | 5.21 | 50 |
| Dibromochloromethane | 0.326 | 0.365 | | 11.96 | 50 |
| 1,2-Dibromoethane | 0.345 | 0.373 | | 8.12 | 50 |
| Tetrachloroethene | 0.332 | 0.307 | | -7.53 | 50 |
| Chlorobenzene | 1.071 | 1.058 | 0.3 | -1.21 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/19/2024 07:14

Lab File ID: VX044419.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 1.801 | | -2.7 | 50 |
| m/p-Xylenes | 0.679 | 0.675 | | -0.59 | 50 |
| o-Xylene | 0.687 | 0.679 | | -1.16 | 50 |
| Styrene | 1.102 | 1.142 | | 3.63 | 50 |
| Bromoform | 0.219 | 0.254 | 0.1 | 15.98 | 50 |
| Isopropylbenzene | 3.828 | 3.679 | | -3.89 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.329 | 1.400 | 0.3 | 5.34 | 50 |
| 1,3-Dichlorobenzene | 1.621 | 1.642 | | 1.29 | 50 |
| 1,4-Dichlorobenzene | 1.667 | 1.638 | | -1.74 | 50 |
| 1,2-Dichlorobenzene | 1.684 | 1.704 | | 1.19 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.258 | 0.260 | | 0.77 | 50 |
| 1,2,4-Trichlorobenzene | 0.923 | 0.972 | | 5.31 | 50 |
| 1,2,3-Trichlorobenzene | 0.979 | 1.003 | | 2.45 | 50 |
| 1,2-Dichloroethane-d4 | 0.877 | 0.848 | | -3.31 | 50 |
| Dibromofluoromethane | 0.346 | 0.362 | | 4.62 | 50 |
| Toluene-d8 | 1.168 | 1.160 | | -0.69 | 50 |
| 4-Bromofluorobenzene | 0.408 | 0.396 | | -2.94 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VX044419.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 122991 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 219241 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 189779 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 85459 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 104245 | 48.341 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 96.680% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 79392 | 52.285 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.580% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 254301 | 49.641 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.280% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 86833 | 48.509 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.020% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 89297 | 46.955 | ug/l | 100 |
| 3) Chloromethane | 1.294 | 50 | 94895 | 52.180 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 96779 | 51.081 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 67589 | 50.285 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 69289 | 58.732 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 148267 | 39.974 | ug/l | 95 |
| 8) Diethyl Ether | 2.136 | 74 | 61722 | 48.751 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 64278 | 42.827 | ug/l | 98 |
| 10) Methyl Iodide | 2.447 | 142 | 106921 | 54.052 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.983 | 59 | 80157 | 263.745 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 71141 | 51.604 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 126270 | 287.020 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 113429 | 49.398 | ug/l | 97 |
| 15) Acrylonitrile | 3.068 | 53 | 226510 | 269.056 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 206787 | 235.213 | ug/l | 96 |
| 17) Carbon Disulfide | 2.502 | 76 | 140202 | 53.502 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 117756 | 51.949 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 276100 | 51.323 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 87526 | 53.006 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 73529 | 50.186 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 264037 | 51.065 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1167975 | 277.841 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 150830 | 52.331 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 313889 | 251.145 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 63758 | 27.229 | ug/l | 93 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 92907 | 49.930 | ug/l | 93 |
| 28) Bromochloromethane | 4.897 | 49 | 71184 | 50.366 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 203906 | 254.175 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 159252 | 49.178 | ug/l | 98 |
| 31) Cyclohexane | 5.464 | 56 | 99678 | 42.827 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 130746 | 48.640 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 91756 | 46.748 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 126767 | 52.248 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 102311 | 48.416 | ug/l | 98 |
| 39) Methylcyclohexane | 7.379 | 83 | 97486 | 41.546 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 313202 | 52.556 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 68638 | 53.276 ug/l | 98 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 126056 | 51.349 ug/l | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 203865 | 53.759 ug/l | 99 |
| 44) Trichloroethene | 7.123 | 130 | 75596 | 50.868 ug/l | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 80013 | 52.553 ug/l | 99 |
| 46) Dibromomethane | 7.580 | 93 | 62821 | 53.185 ug/l | 93 |
| 47) Bromodichloromethane | 7.824 | 83 | 111053 | 54.439 ug/l | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 93853 | 50.984 ug/l | 95 |
| 49) 1,4-Dioxane | 7.665 | 88 | 28322 | 927.969 ug/l # | 85 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 637240 | 261.345 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 183930 | 49.148 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 100994 | 46.368 ug/l | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 111565 | 50.228 ug/l | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 79401 | 53.407 ug/l | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 125407 | 53.432 ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 135107 | 52.210 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 279300 | 235.938 ug/l | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 464936 | 263.434 ug/l | 98 |
| 60) Dibromochloromethane | 9.519 | 129 | 79931 | 50.717 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 81759 | 54.026 ug/l | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 58220 | 46.221 ug/l | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 200803 | 49.379 ug/l | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 71094 | 54.398 ug/l | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 341788 | 48.644 ug/l | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 256314 | 99.414 ug/l | 96 |
| 69) o-Xylene | 10.640 | 106 | 128864 | 49.398 ug/l | 96 |
| 70) Styrene | 10.652 | 104 | 216799 | 51.842 ug/l | 96 |
| 71) Bromoform | 10.799 | 173 | 48213 | 52.457 ug/l # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 314366 | 48.052 ug/l | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 166301 | 55.002 ug/l | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 119667 | 52.663 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 97804m | 51.257 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 81167 | 51.162 ug/l | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 351524 | 48.614 ug/l | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 220699 | 47.194 ug/l | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 263525 | 48.573 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 26316 | 40.690 ug/l | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 251878 | 48.639 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 262462 | 48.951 ug/l | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 264960 | 49.728 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 308602 | 47.411 ug/l | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 257648 | 47.558 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 140315 | 50.634 ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 140008 | 49.148 ug/l | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 214353 | 47.053 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 40378 | 51.057 ug/l | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 145586 | 50.596 ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 22216 | 50.364 ug/l | 88 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 83037 | 52.638 ug/l | 95 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29885 | 47.098 ug/l | 98 |
| 95) Naphthalene | 13.774 | 128 | 311462 | 50.581 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 85722 | 51.233 ug/l | 98 |

Sample Results: **VX044419.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

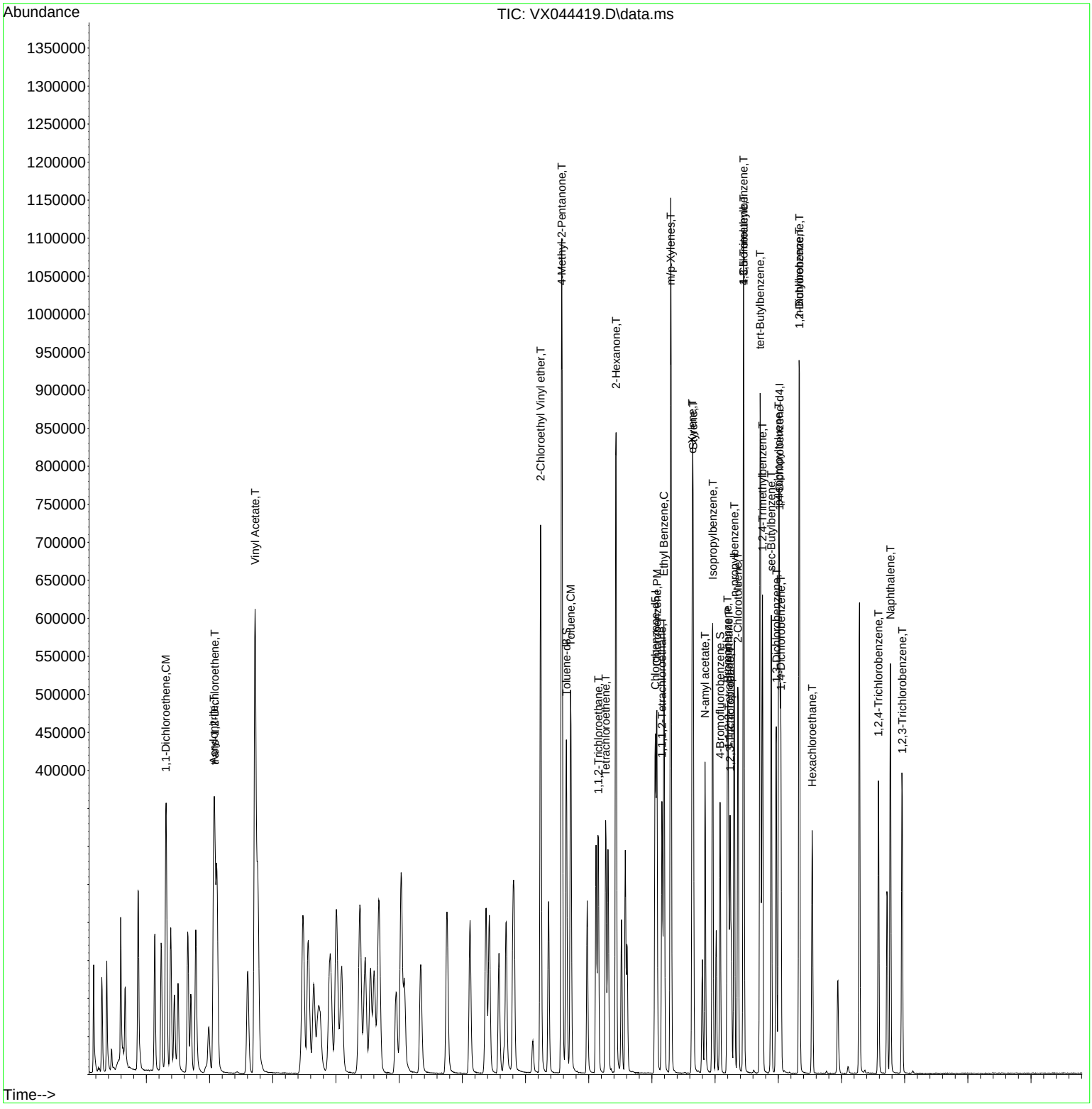
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

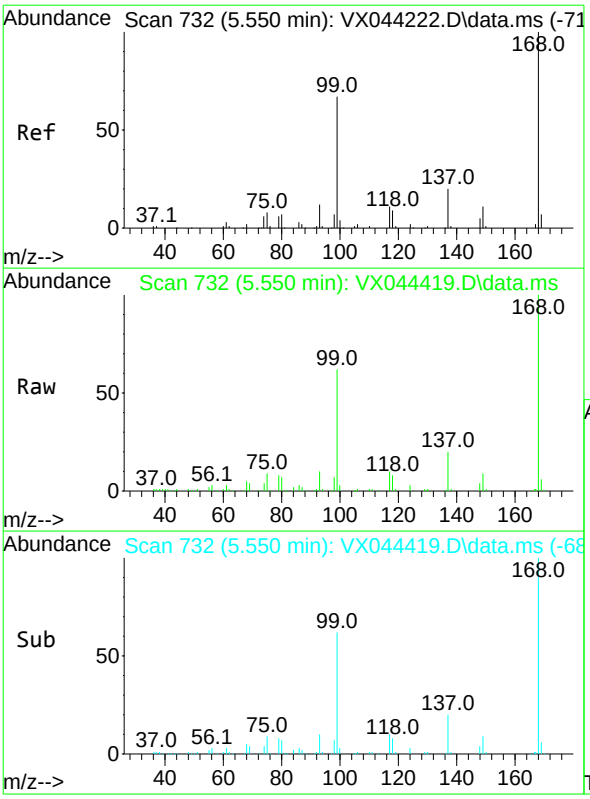
Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

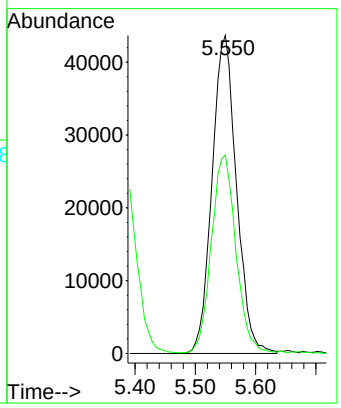





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:168 Resp: 122991

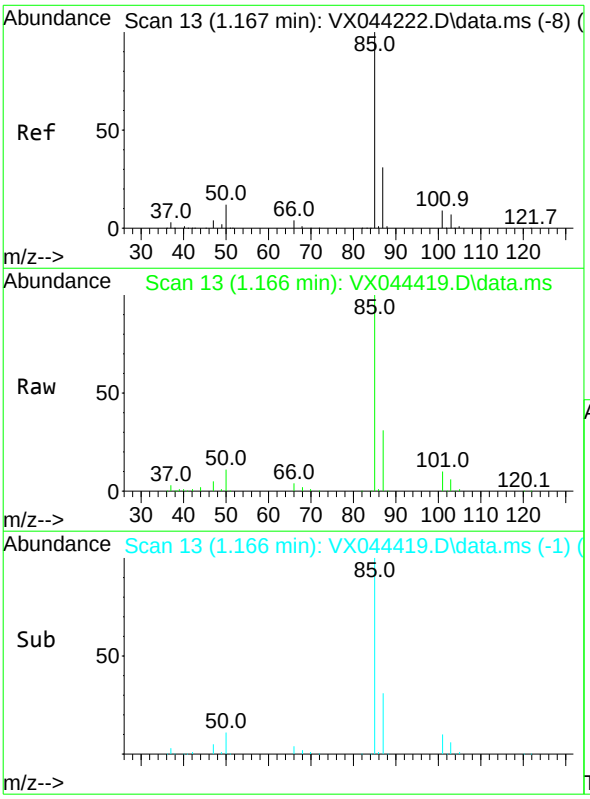
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.2 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

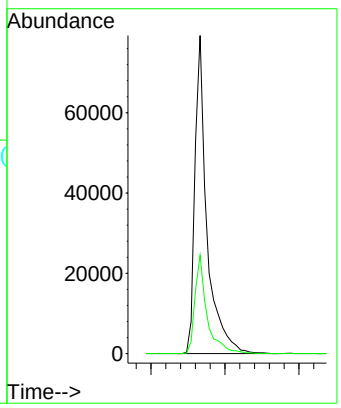
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

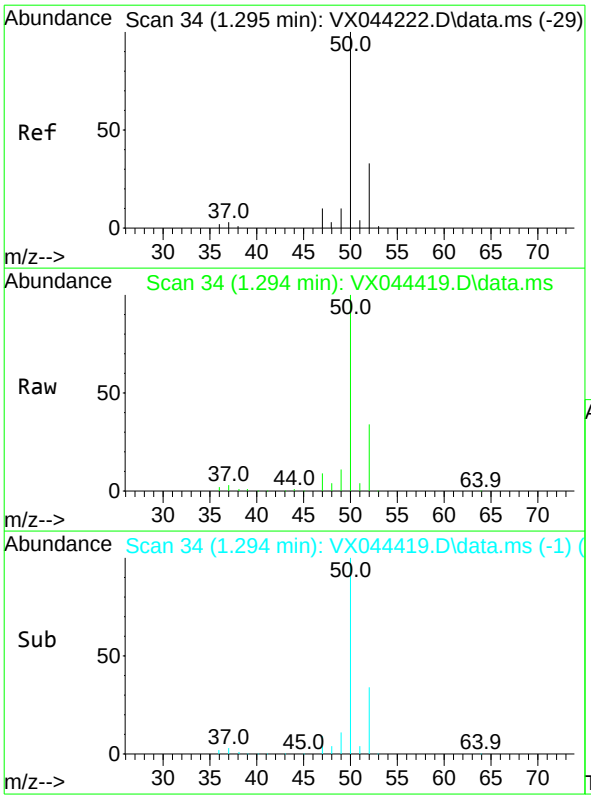



#2
Dichlorodifluoromethane
Concen: 46.955 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 85 Resp: 89297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.9 | 15.4 | 46.4 |

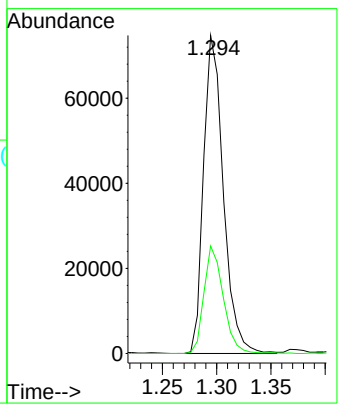





#3
Chloromethane
Concen: 52.180 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 50 Resp: 94895

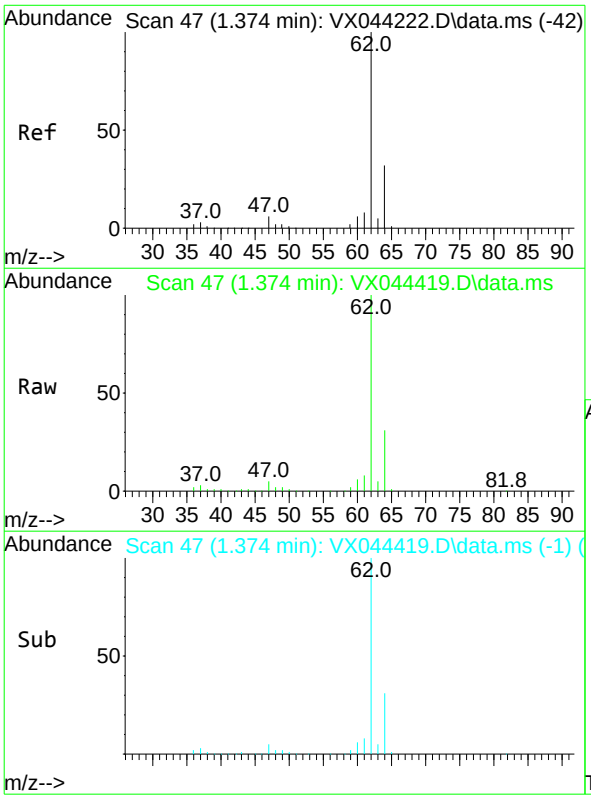
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

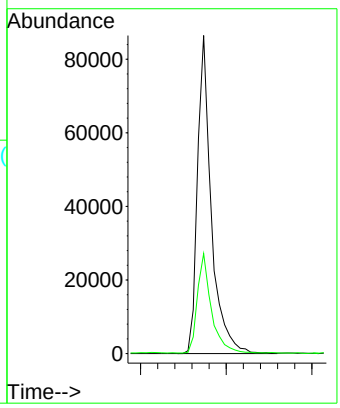
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

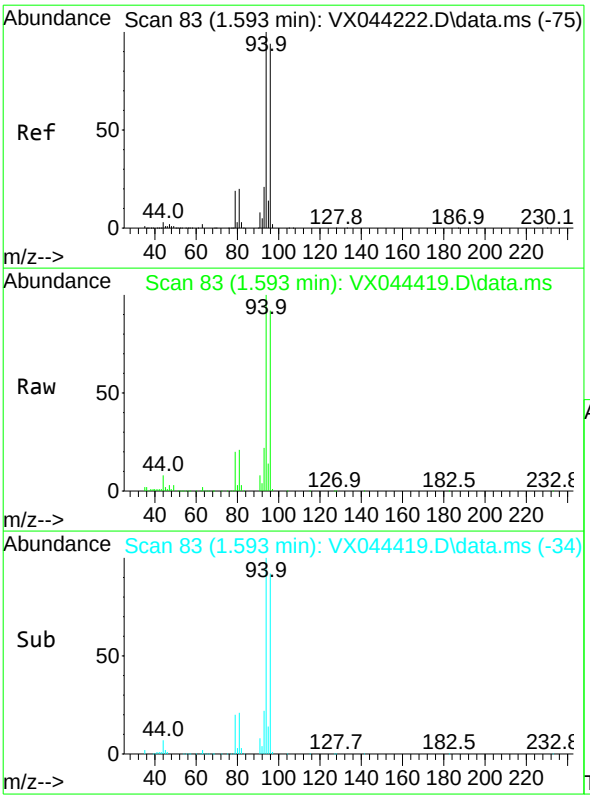



#4
Vinyl Chloride
Concen: 51.081 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 62 Resp: 96779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.3 | 25.7 | 38.5 |

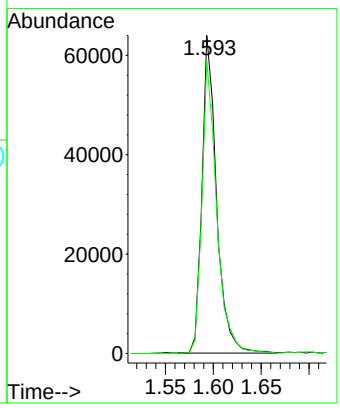





#5
Bromomethane
Concen: 50.285 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 94 Resp: 67589

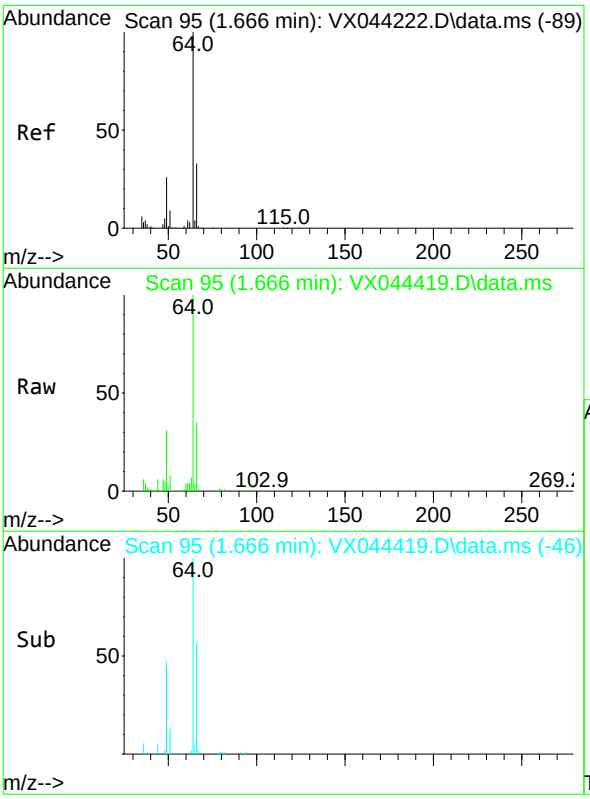
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.0 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

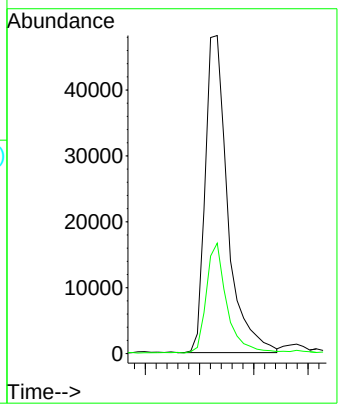
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

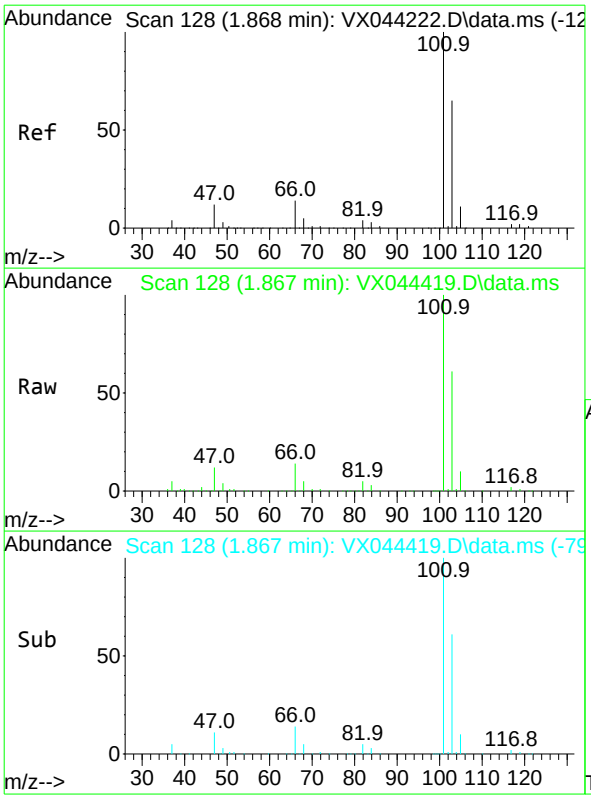



#6
Chloroethane
Concen: 58.732 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 64 Resp: 69289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.4 | 26.6 | 39.8 |

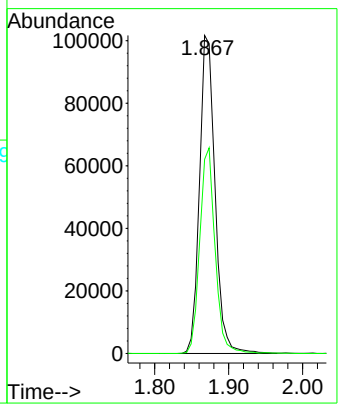





#7
Trichlorofluoromethane
Concen: 39.974 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:101 Resp: 148267

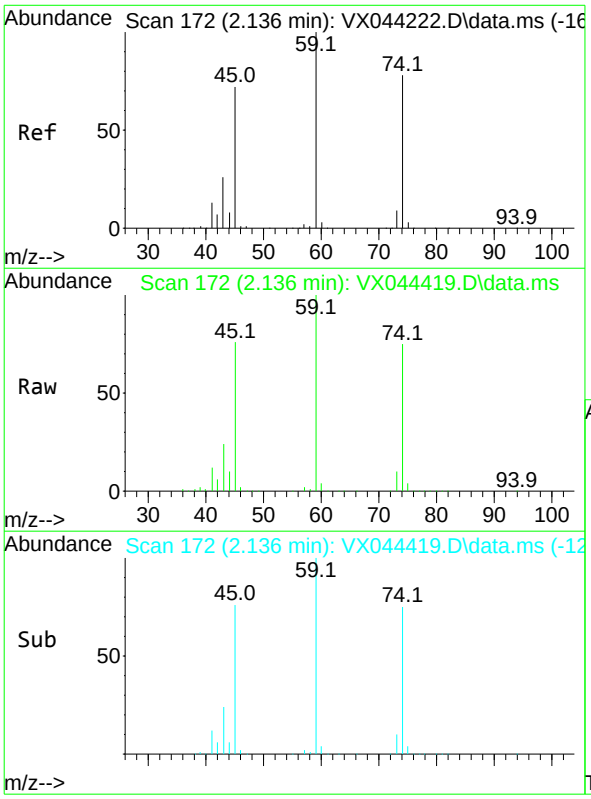
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 61.0 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

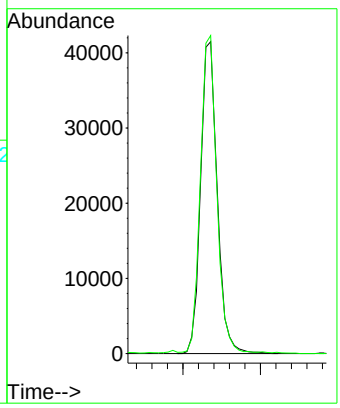
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

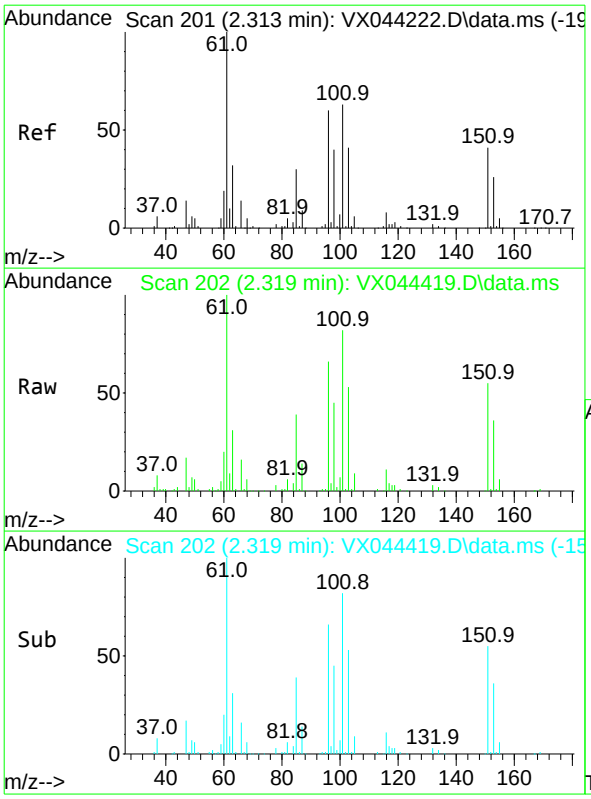



#8
Diethyl Ether
Concen: 48.751 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 74 Resp: 61722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.6 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.827 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

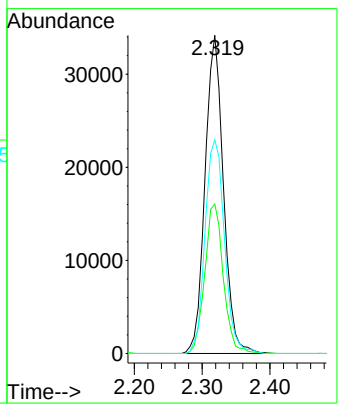
Tgt Ion:101 Resp: 64278

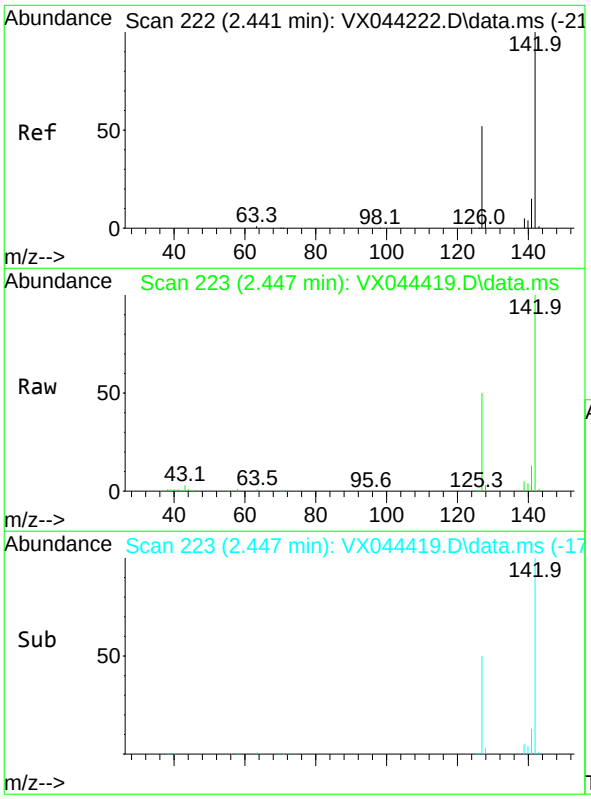
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.5 | 38.5 | 57.7 |
| 151 | 71.3 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

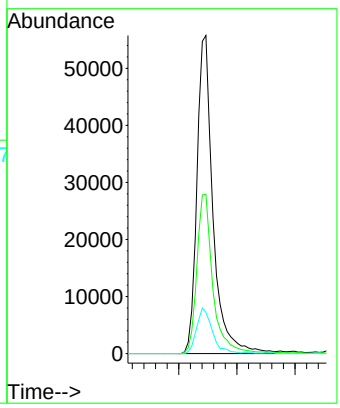


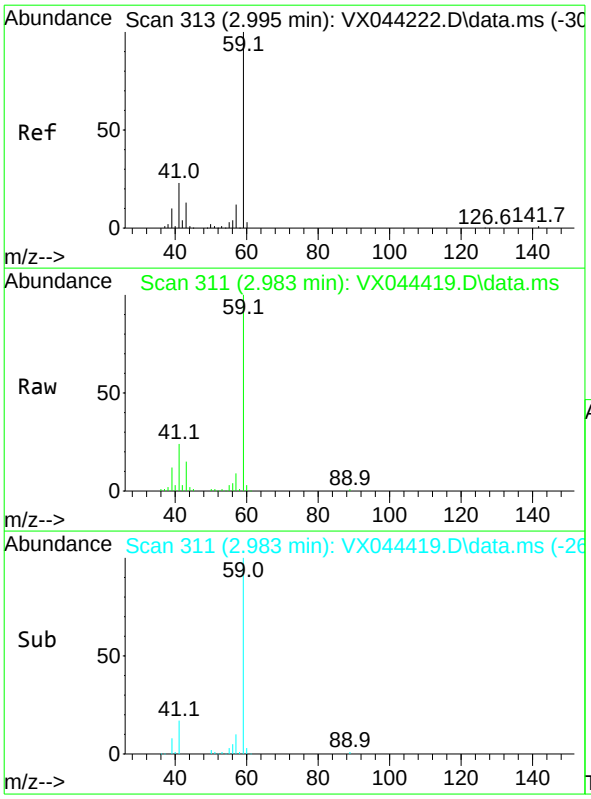




#10
Methyl Iodide
Concen: 54.052 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:142 Resp: 106921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.9 | 41.8 | 62.8 |
| 141 | 14.0 | 11.5 | 17.3 |

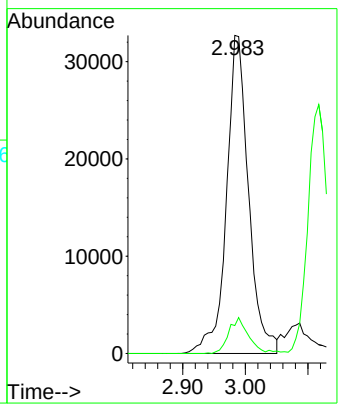





#11
Tert butyl alcohol
Concen: 263.745 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.012 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 59 Resp: 80157

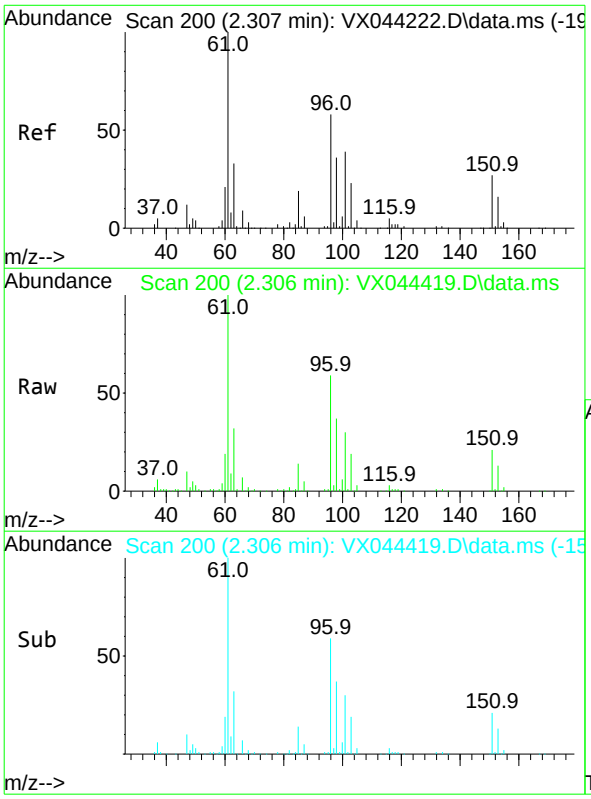
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

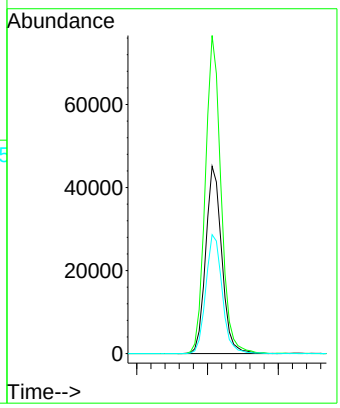
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

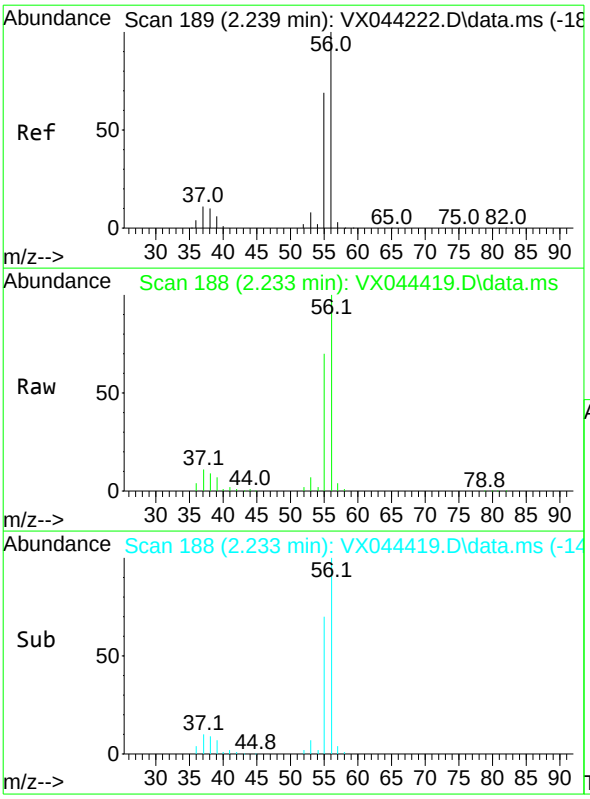



#12
1,1-Dichloroethene
Concen: 51.604 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 96 Resp: 71141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.8 | 138.0 | 207.0 |
| 98 | 63.5 | 50.0 | 75.0 |

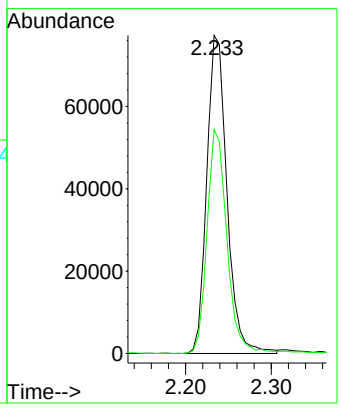





#13
Acrolein
Concen: 287.020 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 56 Resp: 126270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.2 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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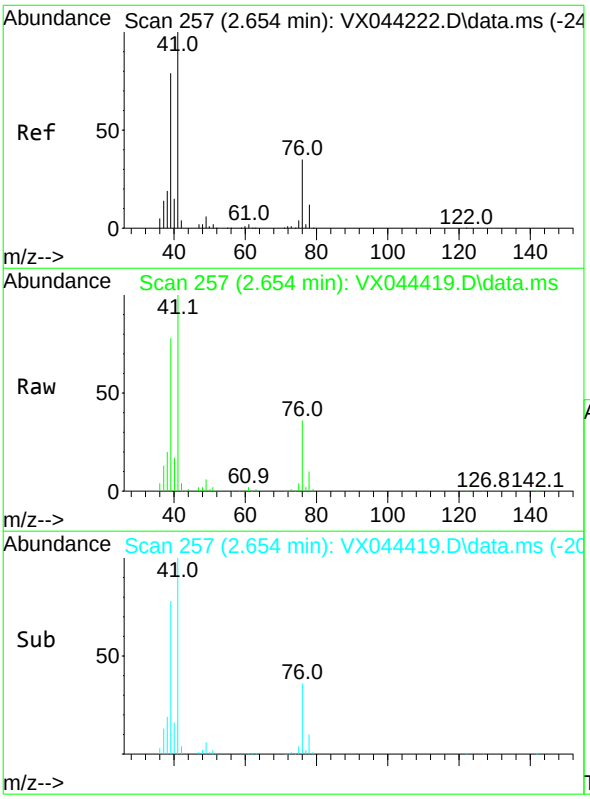
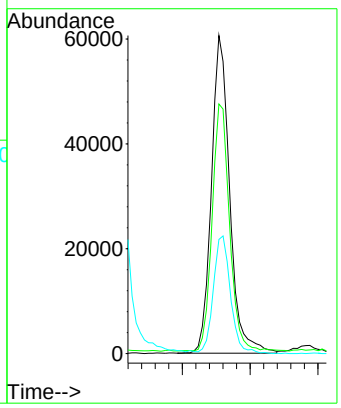
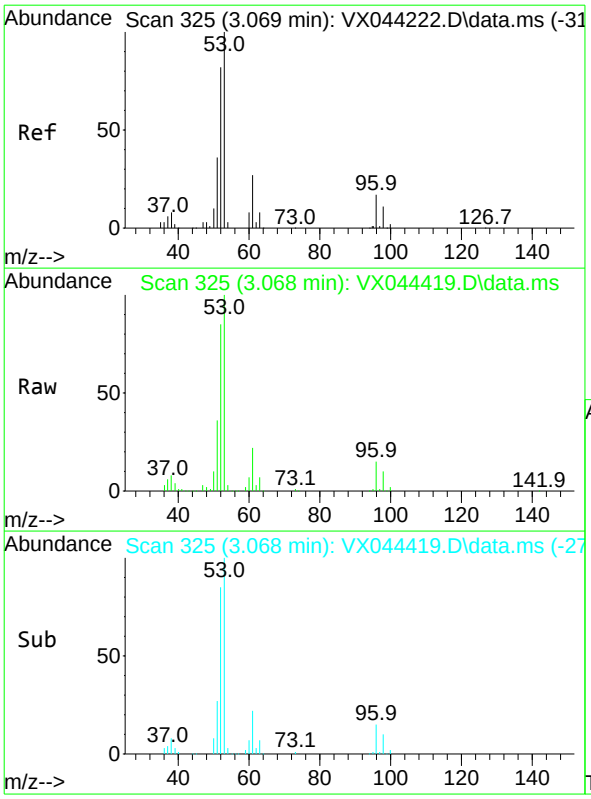



#14
Allyl chloride
Concen: 49.398 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 41 Resp: 113429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.1 | 61.9 | 92.9 |
| 76 | 34.7 | 27.4 | 41.2 |

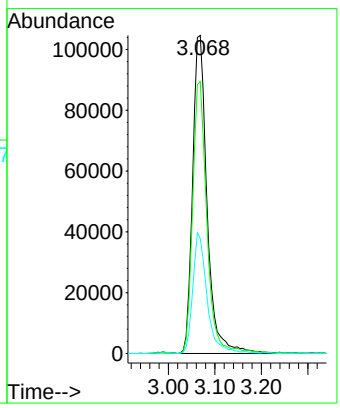





#15
Acrylonitrile
Concen: 269.056 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 53 Resp: 226510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 67.4 | 101.0 |
| 51 | 37.5 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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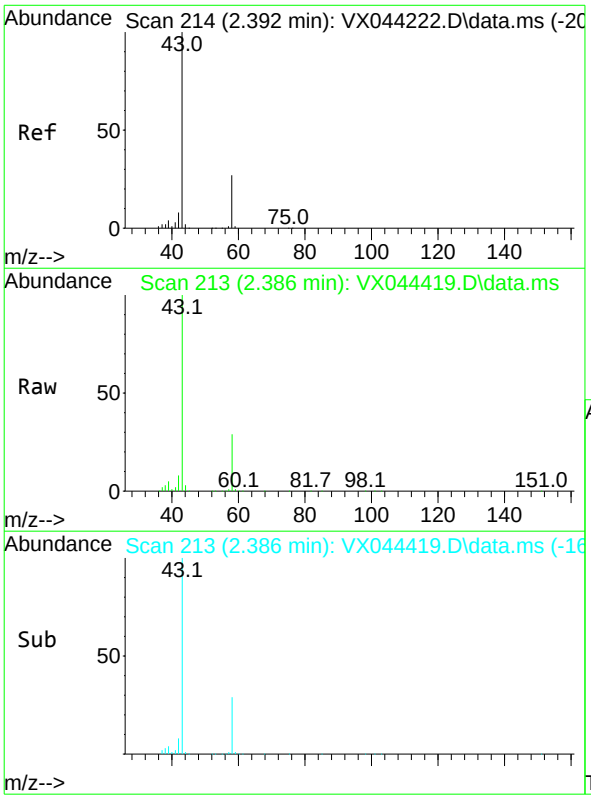
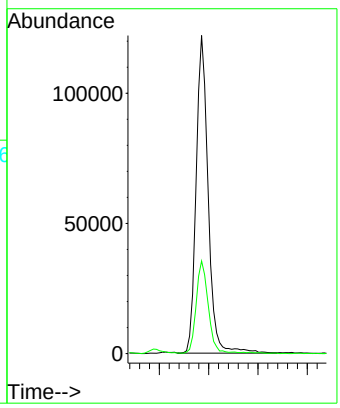
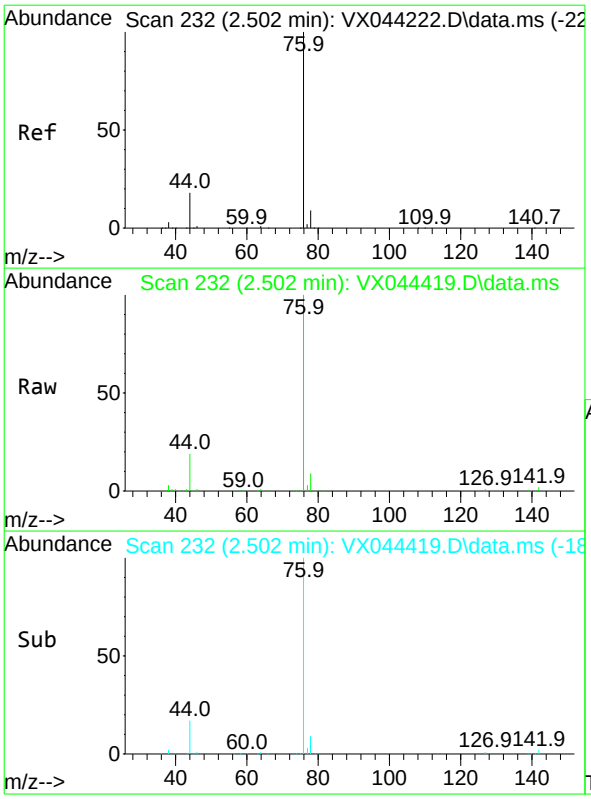



#16
Acetone
Concen: 235.213 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 43 Resp: 206787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 21.6 | 32.4 |






#17
Carbon Disulfide
Concen: 53.502 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 76 Resp: 140202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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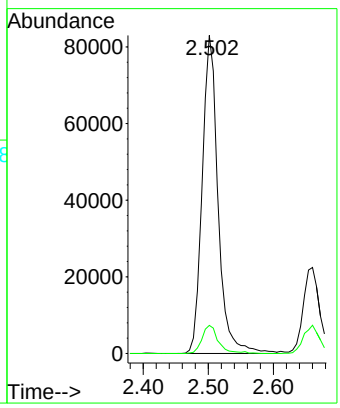
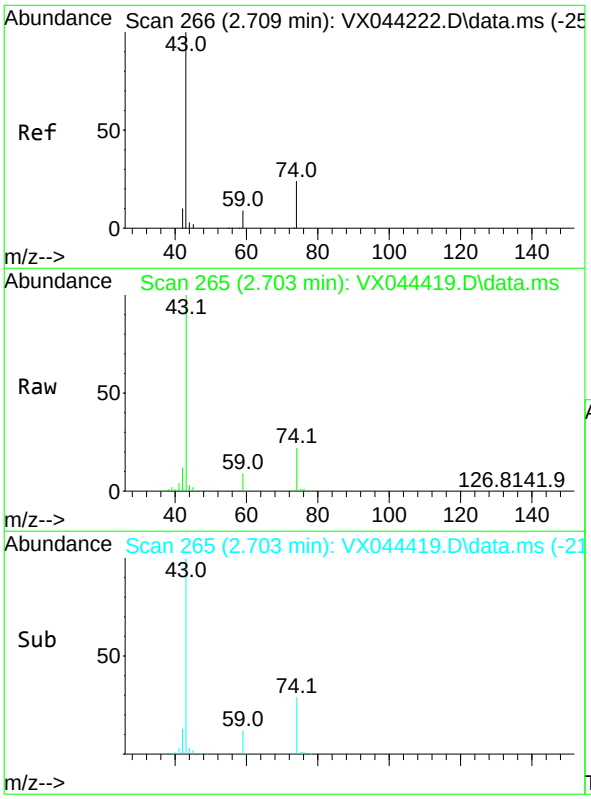
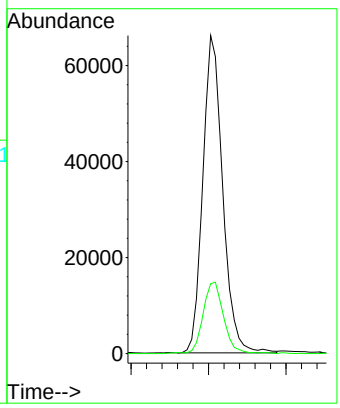


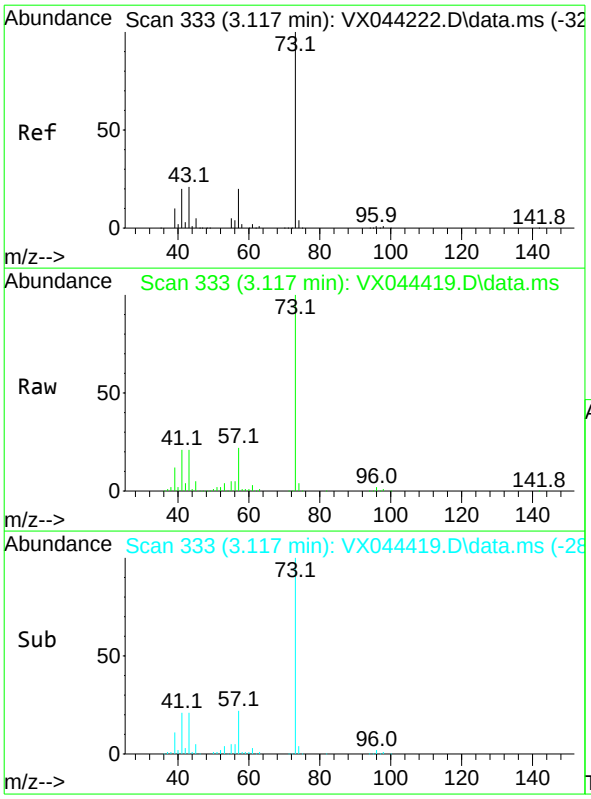




#18
Methyl Acetate
Concen: 51.949 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 43 Resp: 117756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.2 | 17.7 | 26.5 |

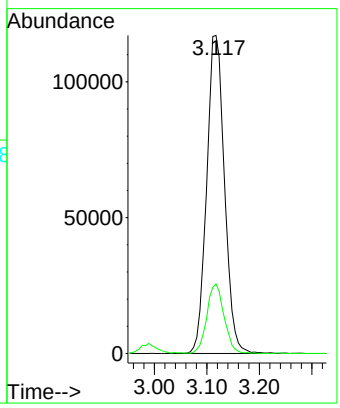





#19
Methyl tert-butyl Ether
Concen: 51.323 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 73 Resp: 276100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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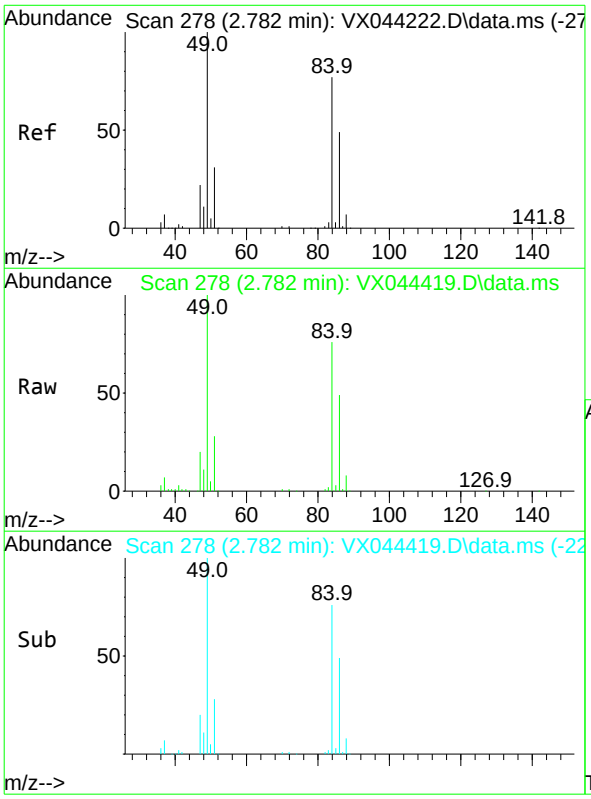
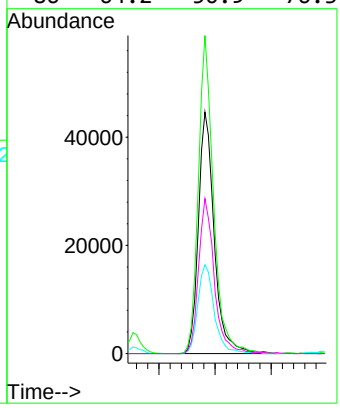
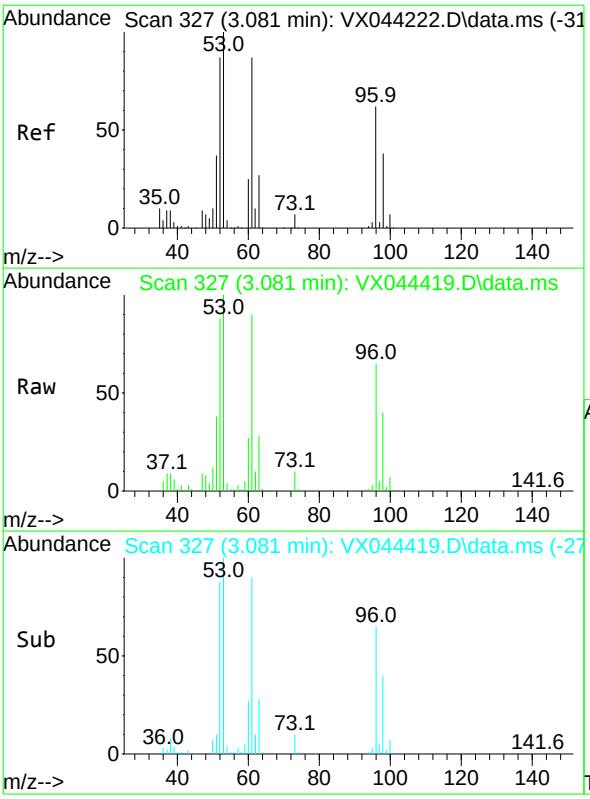



#20
Methylene Chloride
Concen: 53.006 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 84 Resp: 87526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.7 | 104.2 | 156.4 |
| 51 | 36.8 | 32.2 | 48.4 |
| 86 | 64.2 | 50.9 | 76.3 |






#21
trans-1,2-Dichloroethene
Concen: 50.186 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 96 Resp: 73529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.7 | 112.0 | 168.0 |
| 98 | 62.2 | 48.8 | 73.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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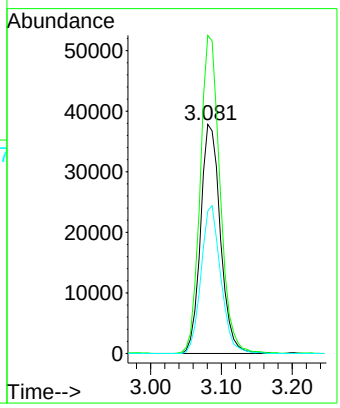
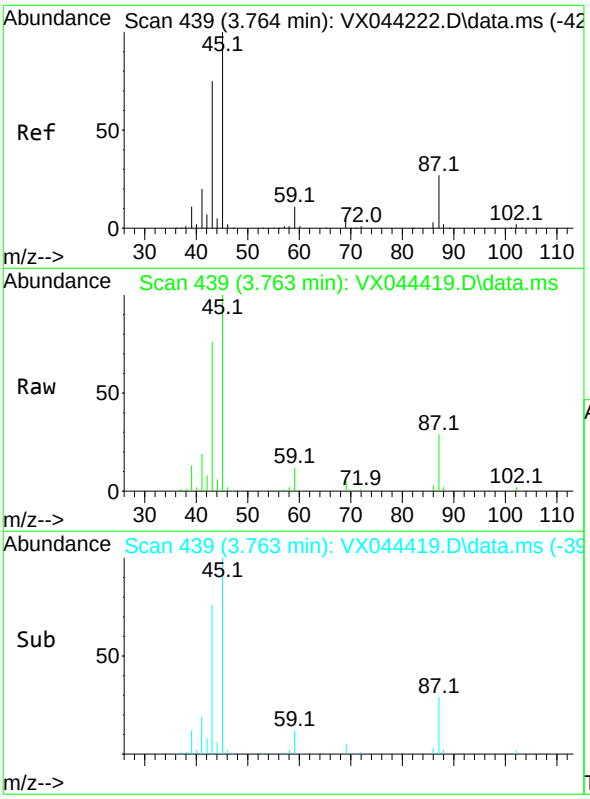
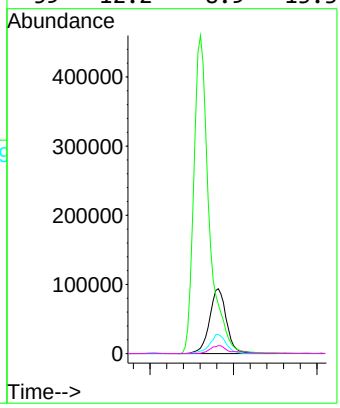


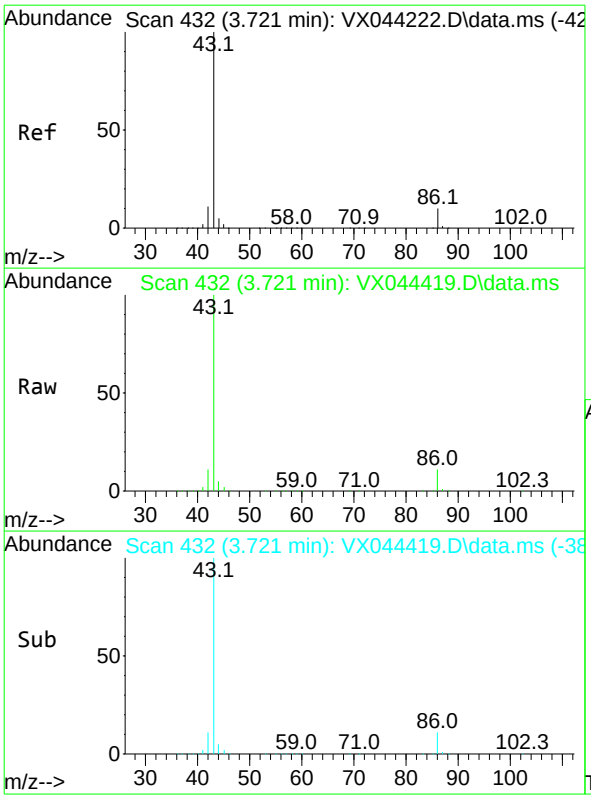




#22
Diisopropyl ether
Concen: 51.065 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 45 Resp: 264037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 76.0 | 60.2 | 90.2 |
| 87 | 29.4 | 21.2 | 31.8 |
| 59 | 12.2 | 8.9 | 13.3 |

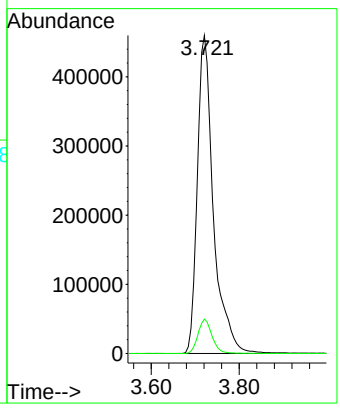





#23
Vinyl Acetate
Concen: 277.841 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 43 Resp: 1167975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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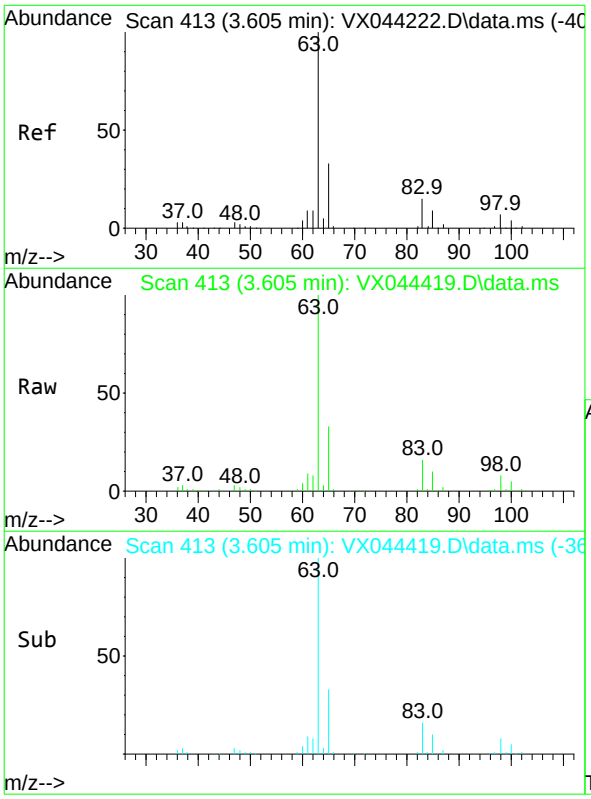
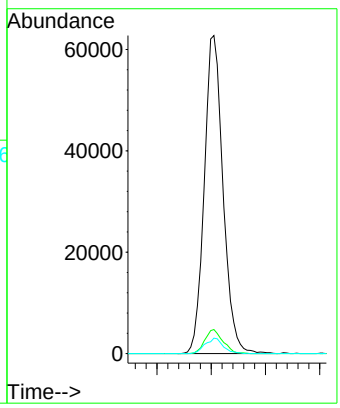
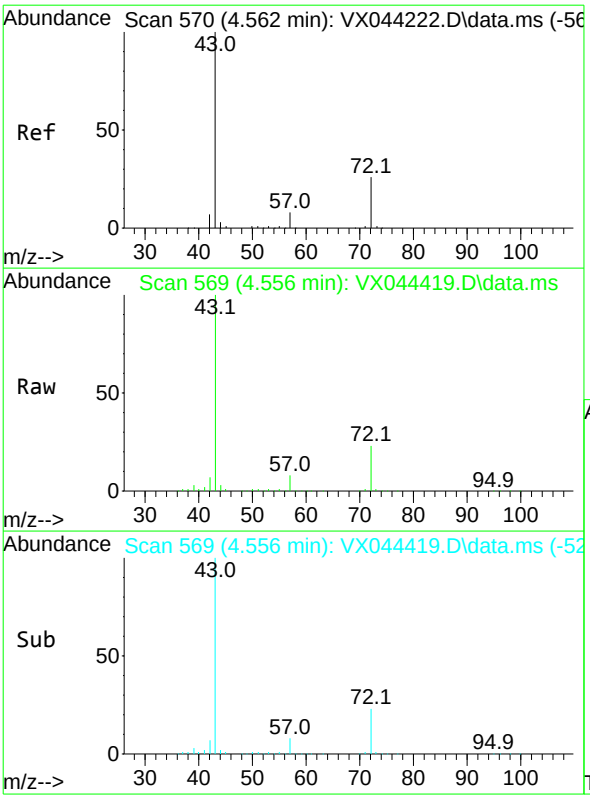



#24
1,1-Dichloroethane
Concen: 52.331 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 63 Resp: 150830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |

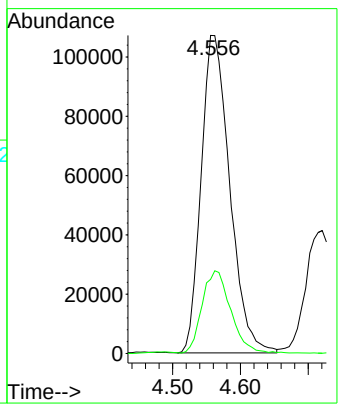





#25
2-Butanone
Concen: 251.145 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 43 Resp: 313889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.1 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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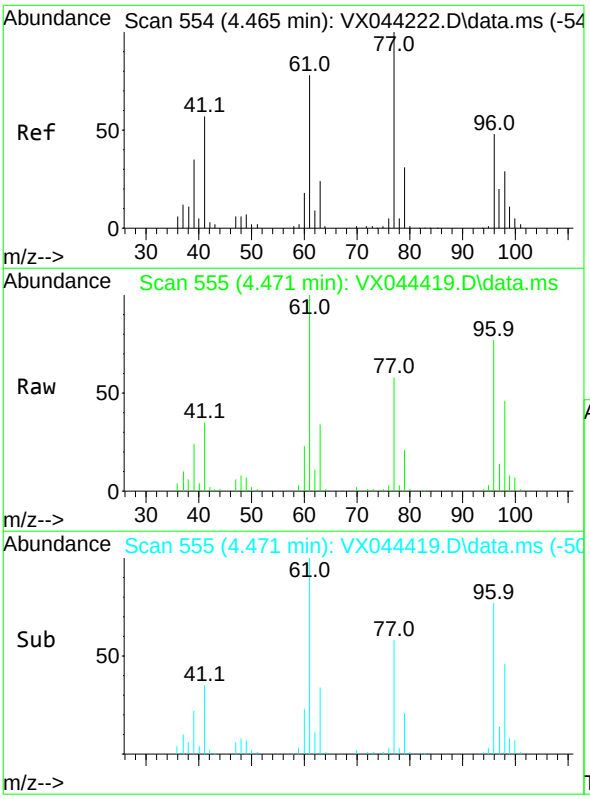
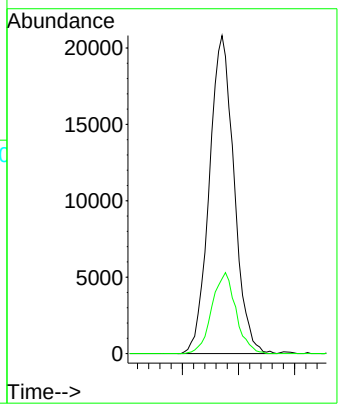
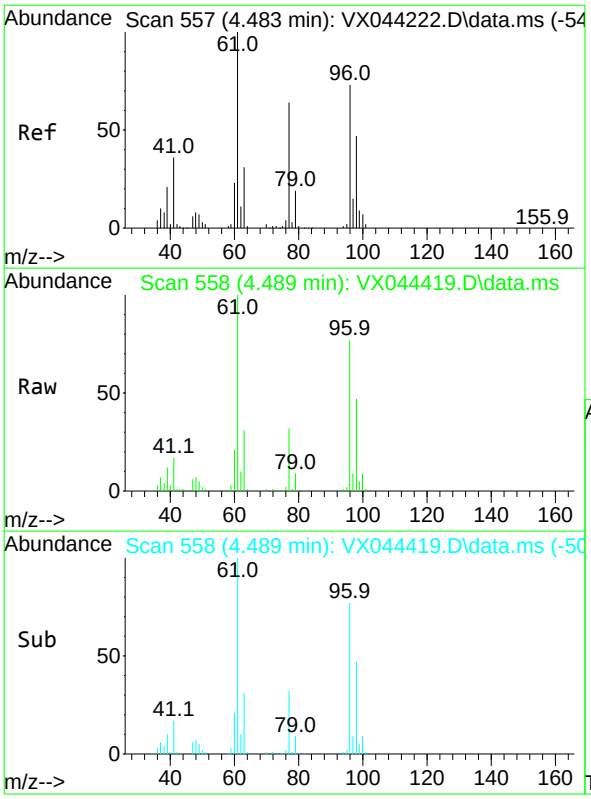



#26
2,2-Dichloropropane
Concen: 27.229 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 77 Resp: 63758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 24.7 | 10.7 | 32.1 |






#27
cis-1,2-Dichloroethene
Concen: 49.930 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 96 Resp: 92907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.6 | 0.0 | 299.0 |
| 98 | 65.1 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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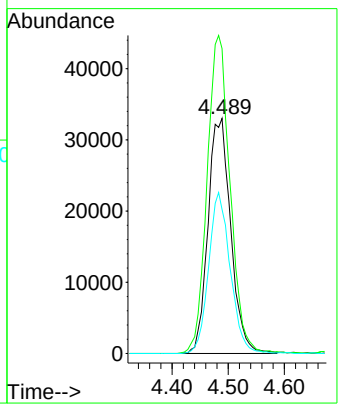
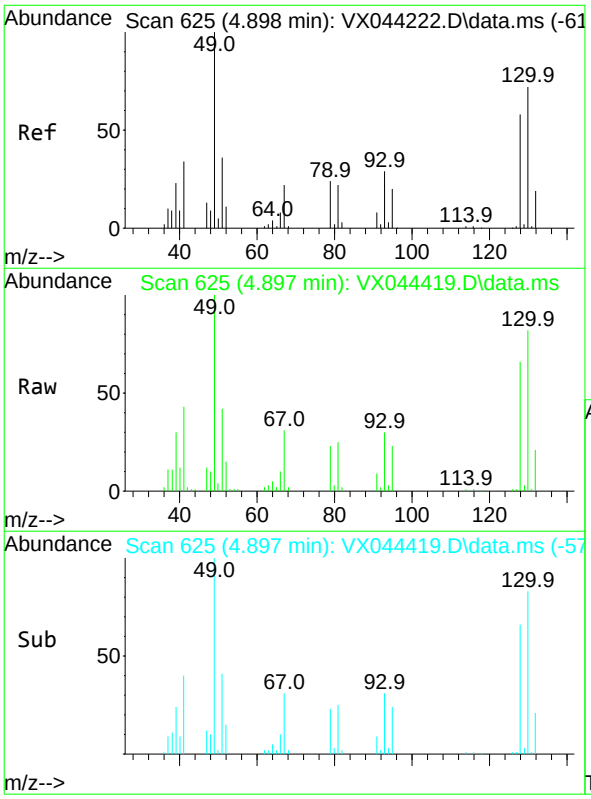
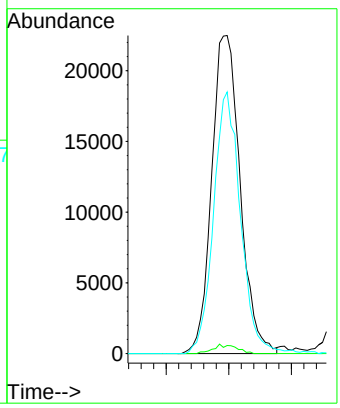


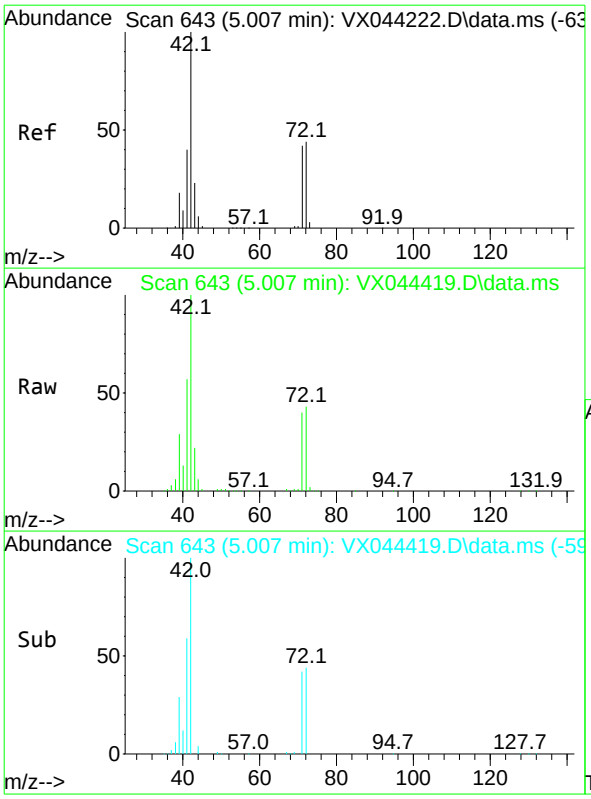




#28
Bromochloromethane
Concen: 50.366 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 49 Resp: 71184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.1 | 0.0 | 4.2 |
| 130 | 77.9 | 62.1 | 93.1 |






#29
Tetrahydrofuran
Concen: 254.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

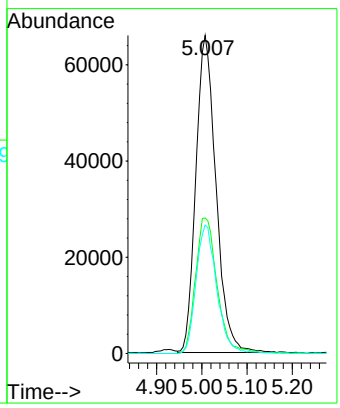
Tgt Ion: 42 Resp: 203906

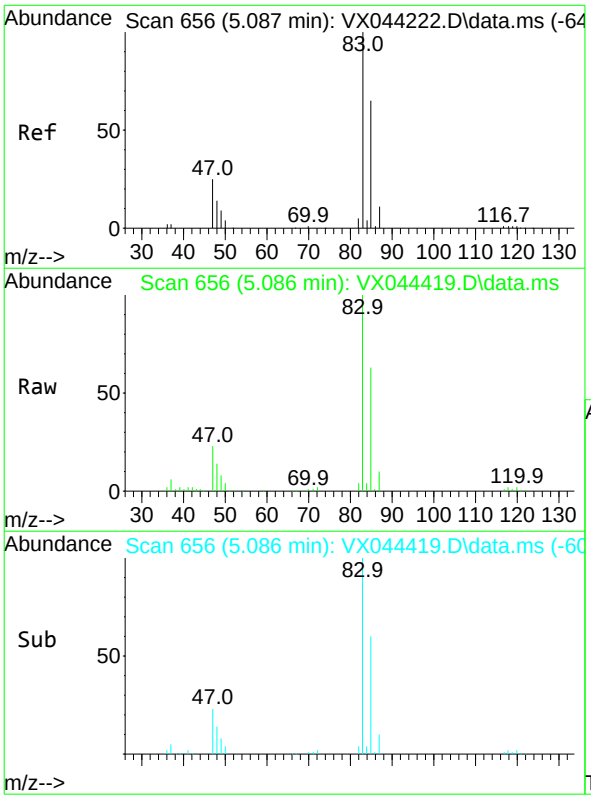
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.0 | 37.0 | 55.6 |
| 71 | 41.6 | 33.6 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

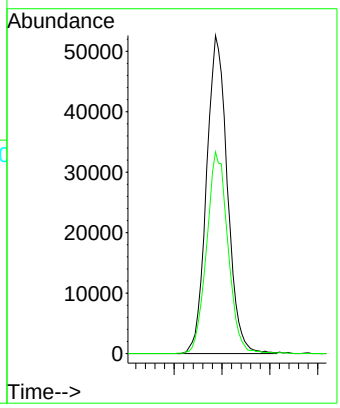


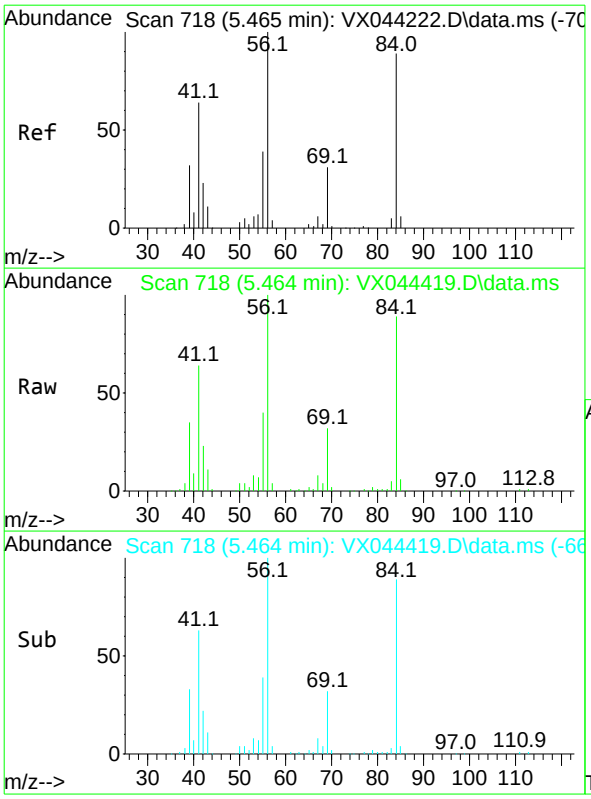




#30
Chloroform
Concen: 49.178 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 83 Resp: 159252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 42.827 ug/l
RT: 5.464 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 56 Resp: 99678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.7 | 24.7 | 37.1 |
| 84 | 86.4 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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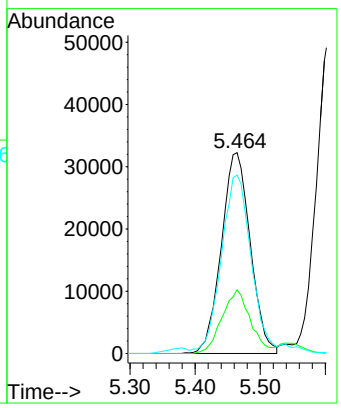
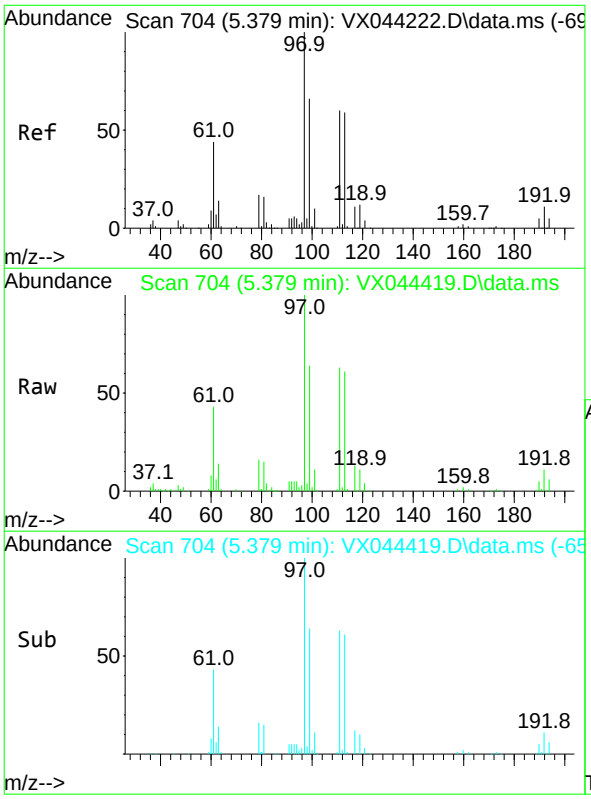
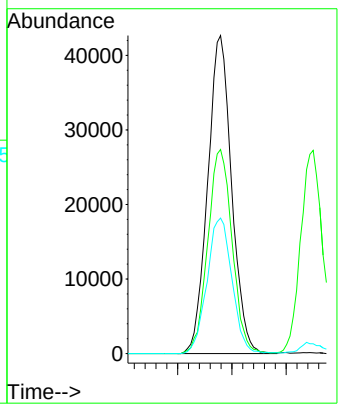


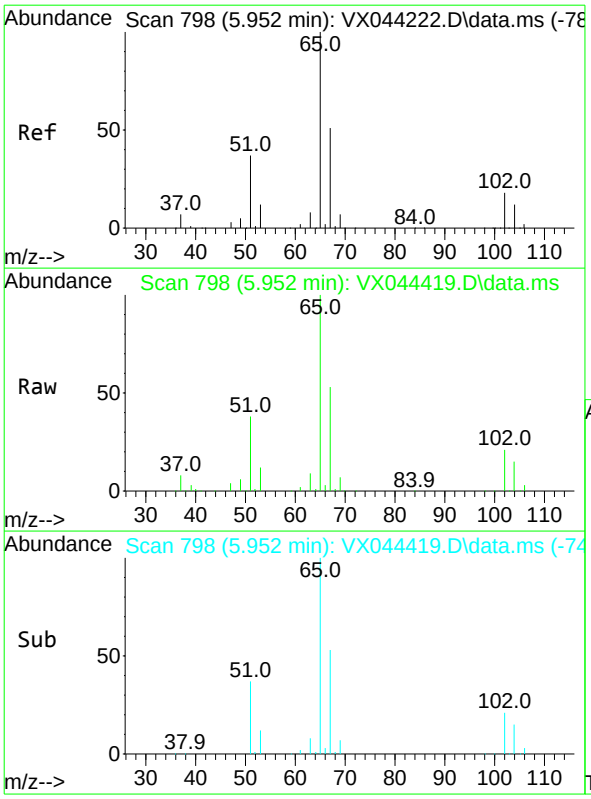




#32
1,1,1-Trichloroethane
Concen: 48.640 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 97 Resp: 130746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.3 | 50.8 | 76.2 |
| 61 | 44.6 | 35.2 | 52.8 |






#33
1,2-Dichloroethane-d4
Concen: 48.341 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 65 Resp: 104245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 101.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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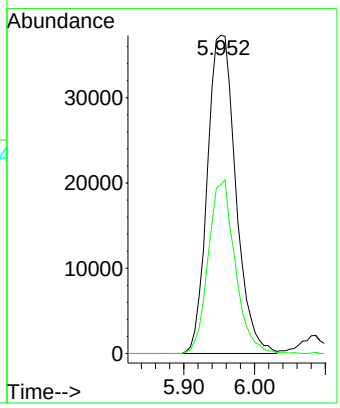
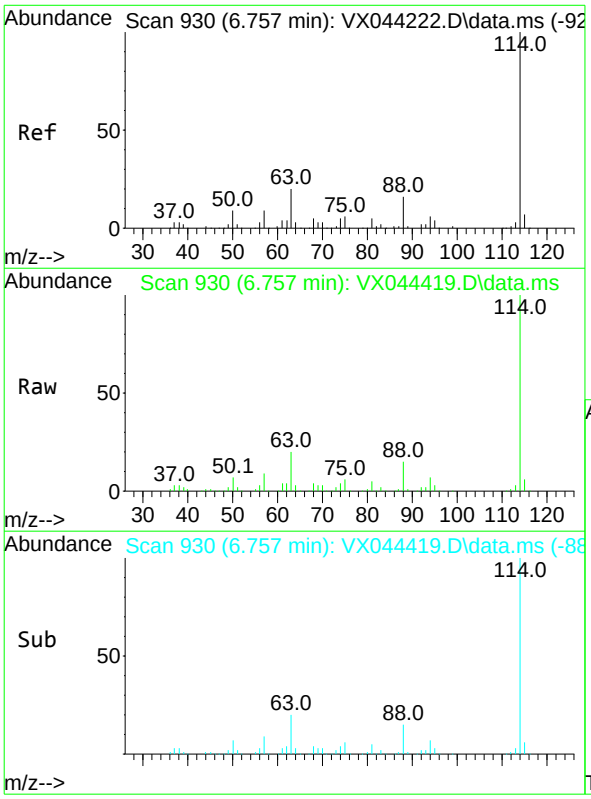
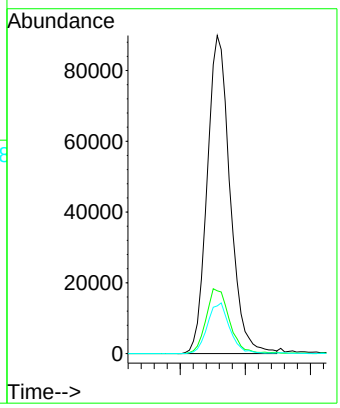


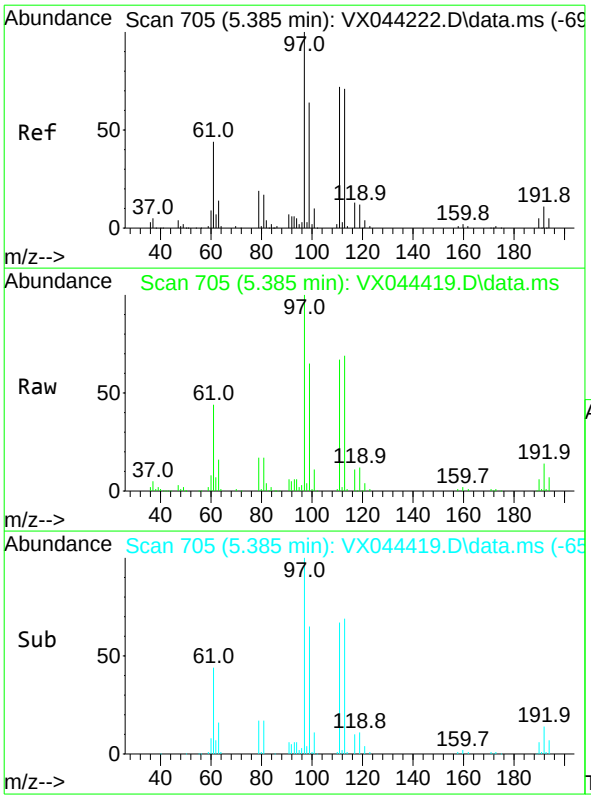




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:114 Resp: 219241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 40.6 |
| 88 | 15.0 | 0.0 | 31.8 |






#35
Dibromofluoromethane
Concen: 52.285 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:113 Resp: 79392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 80.4 | 120.6 |
| 192 | 19.0 | 13.3 | 19.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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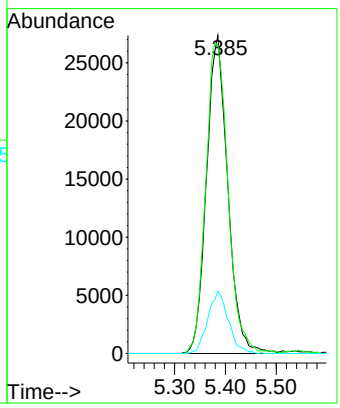
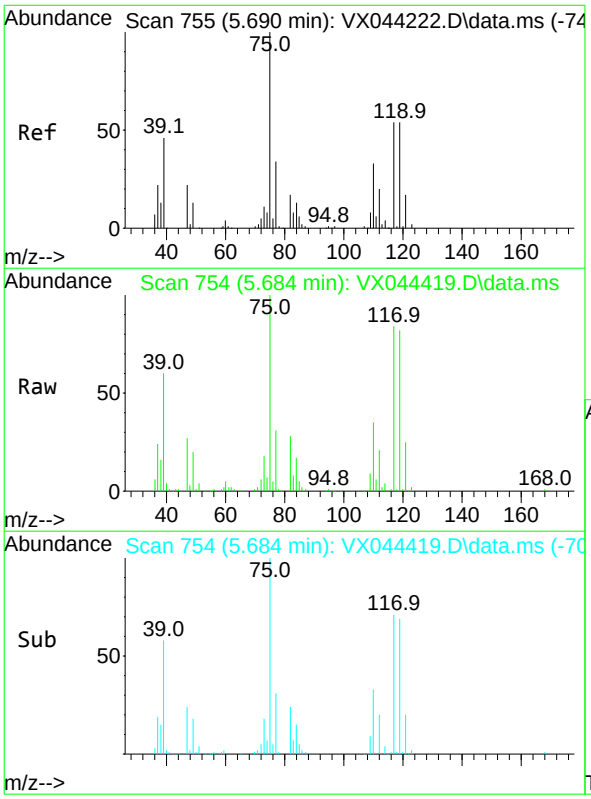
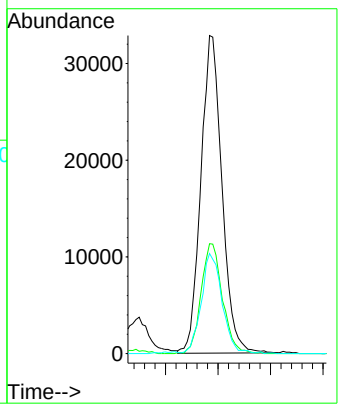


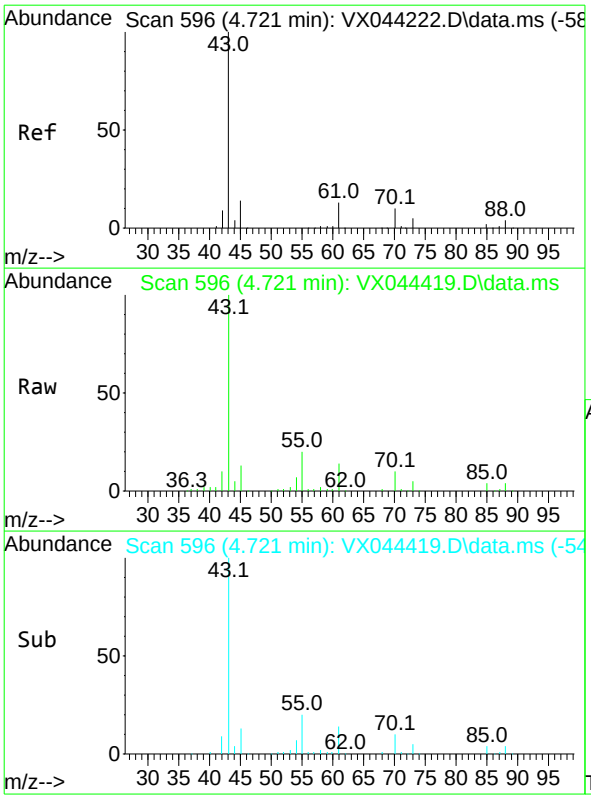




#36
1,1-Dichloropropene
Concen: 46.748 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 75 Resp: 91756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.0 | 17.3 | 51.7 |
| 77 | 30.6 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 52.248 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 126767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 9.8 | 14.8 |
| 70 | 9.7 | 7.7 | 11.5 |

**Manual Integrations**
**APPROVED**

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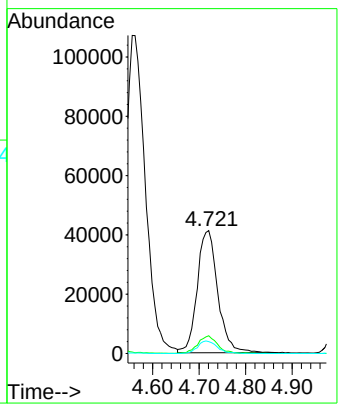
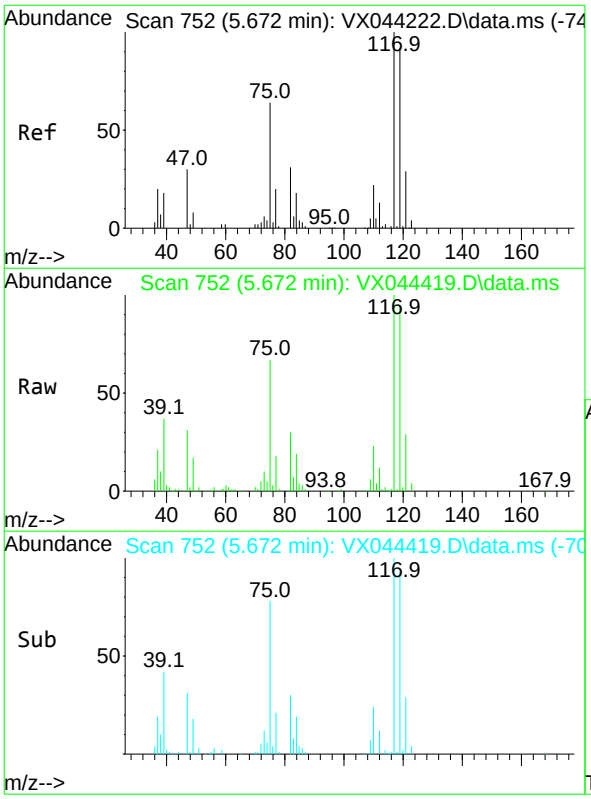
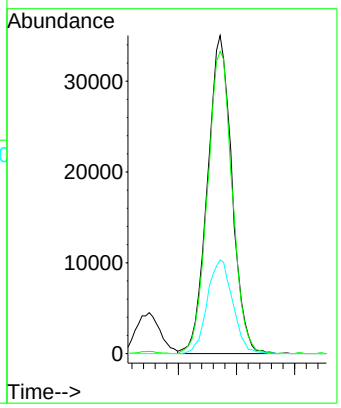


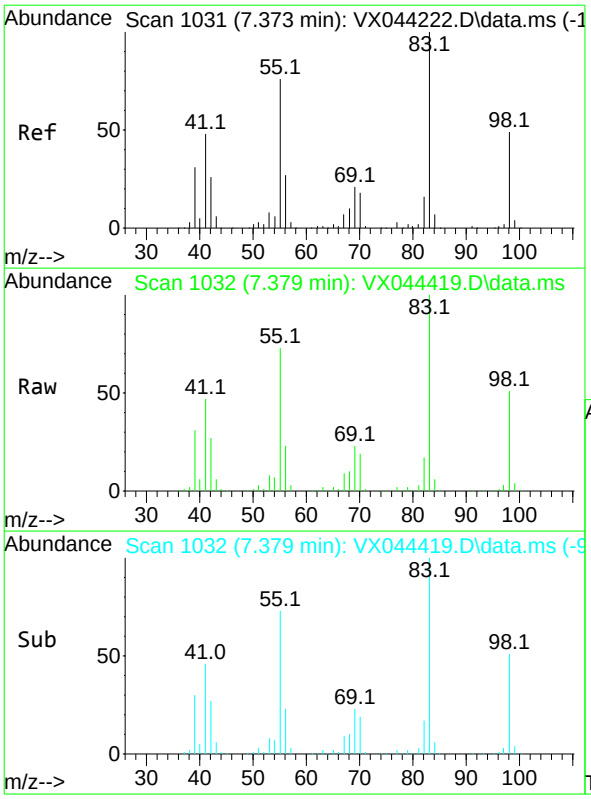




#38
Carbon Tetrachloride
Concen: 48.416 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:117 Resp: 102311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 74.2 | 111.4 |
| 121 | 29.5 | 23.0 | 34.6 |

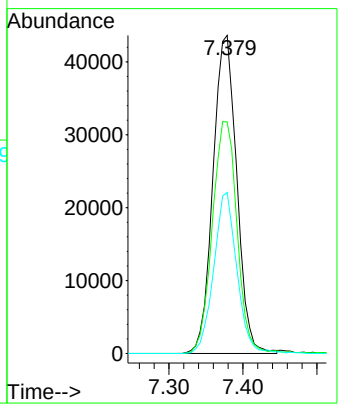





#39
Methylcyclohexane
Concen: 41.546 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 83 Resp: 97486

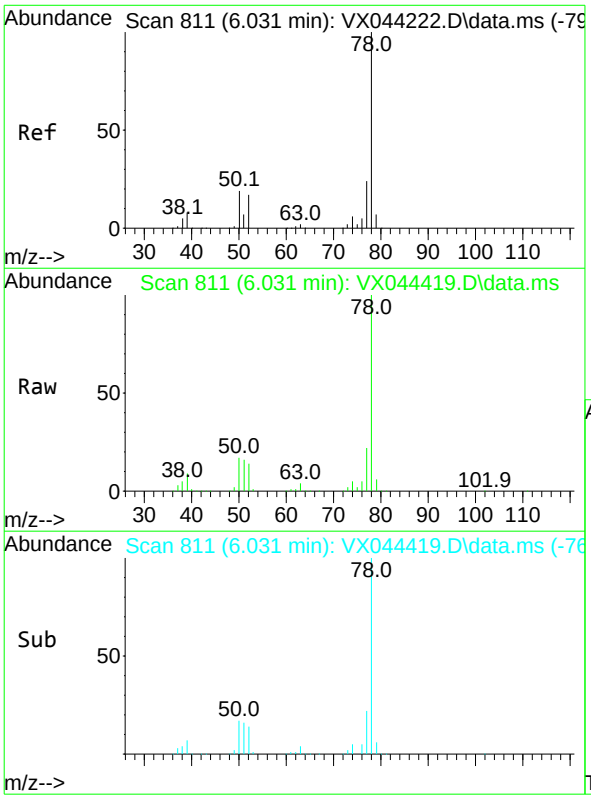
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.8 | 60.7 | 91.1 |
| 98 | 50.6 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

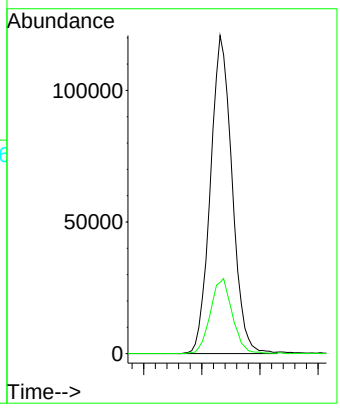
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

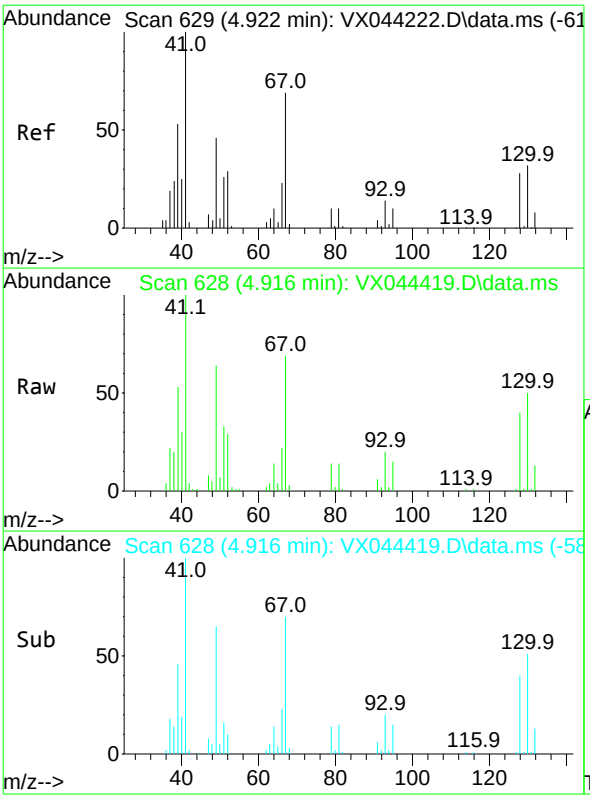



#40
Benzene
Concen: 52.556 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 78 Resp: 313202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.4 | 19.3 | 28.9 |

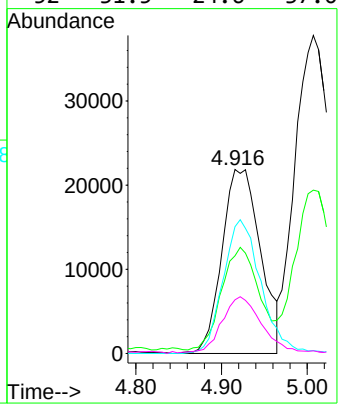





#41
Methacrylonitrile
Concen: 53.276 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 41 Resp: 68638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.9 | 44.2 | 66.4 |
| 67 | 71.0 | 57.2 | 85.8 |
| 52 | 31.5 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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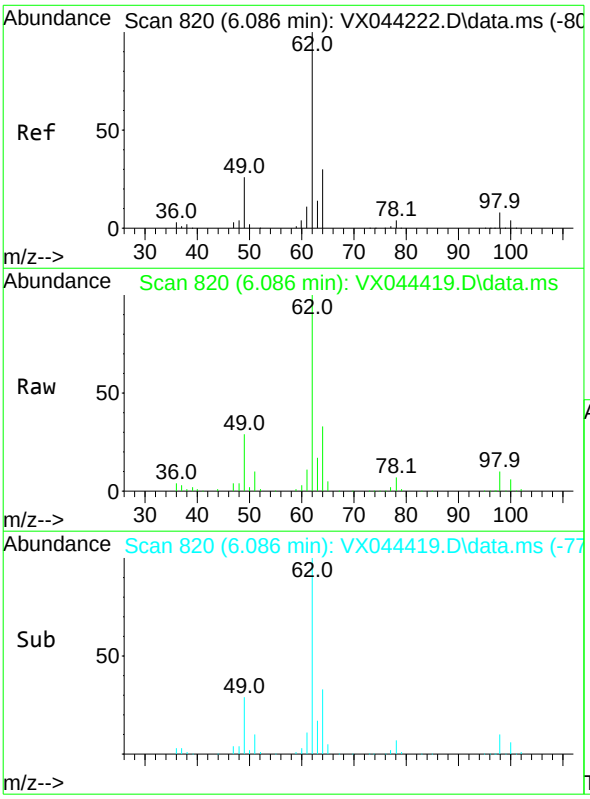
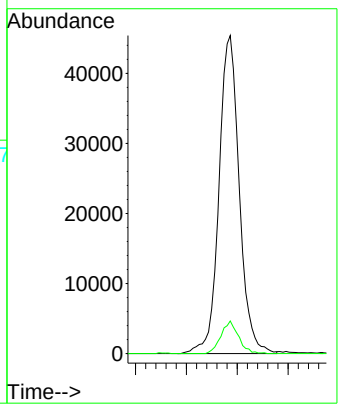
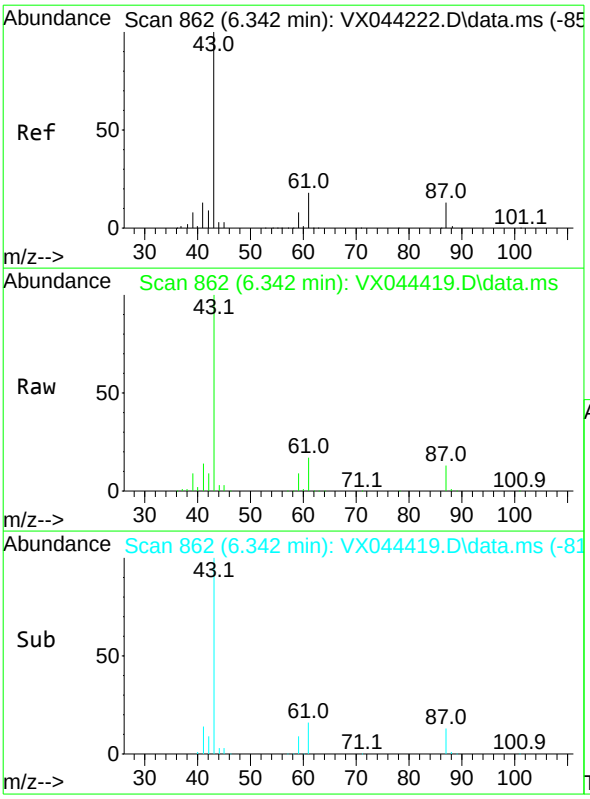



#42
1,2-Dichloroethane
Concen: 51.349 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 62 Resp: 126056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 15.8 |






#43
Isopropyl Acetate
Concen: 53.759 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 43 Resp: 203865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 14.2 | 21.2 |
| 87 | 12.6 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

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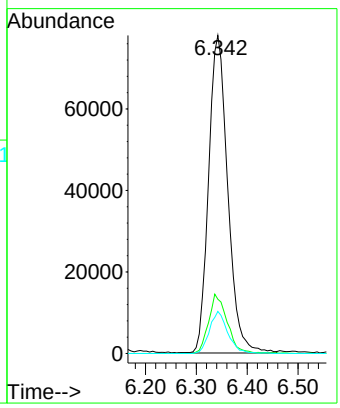
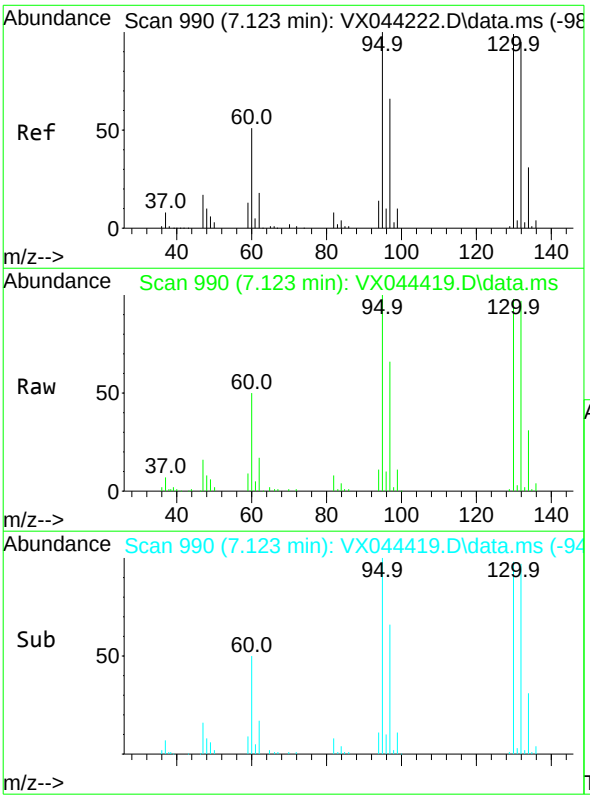
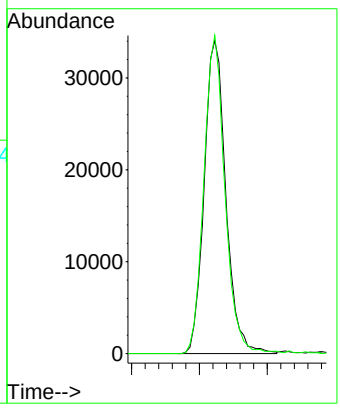


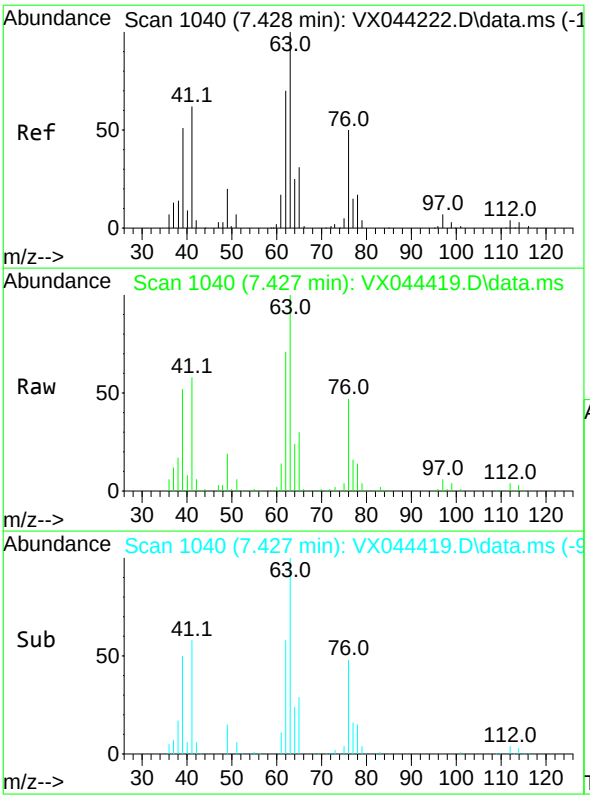




#44
Trichloroethene
Concen: 50.868 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:130 Resp: 75596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.6 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 52.553 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 63 Resp: 80013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.0 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

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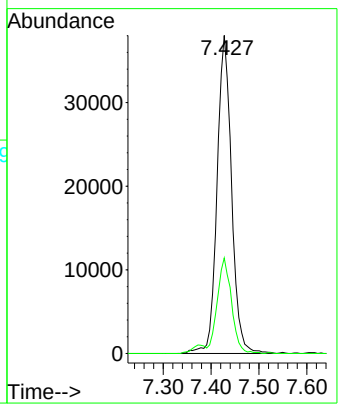
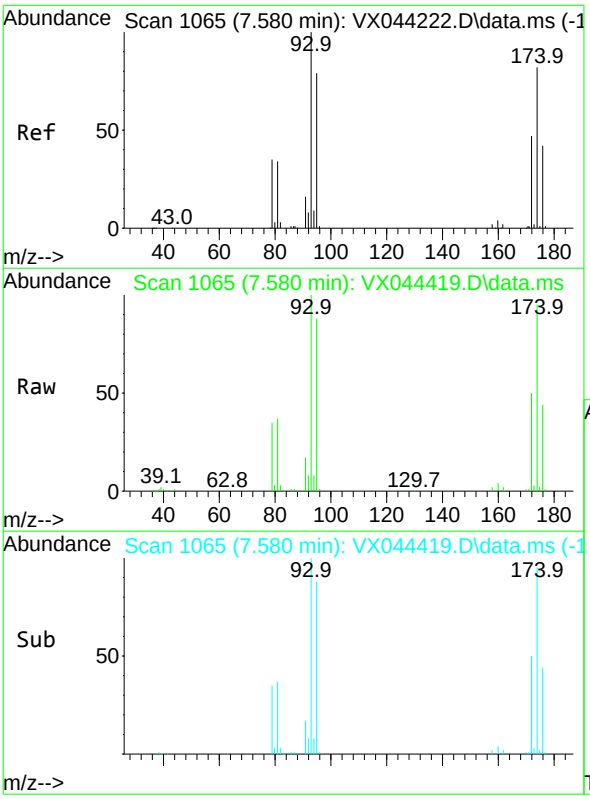
Supervised By :Mahesh Dadoda 12/20/2024

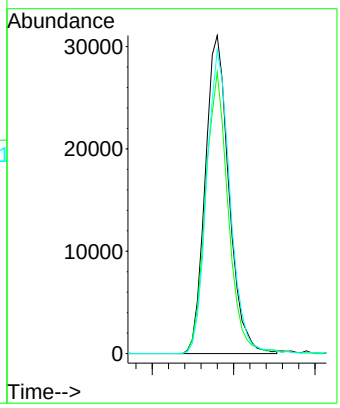


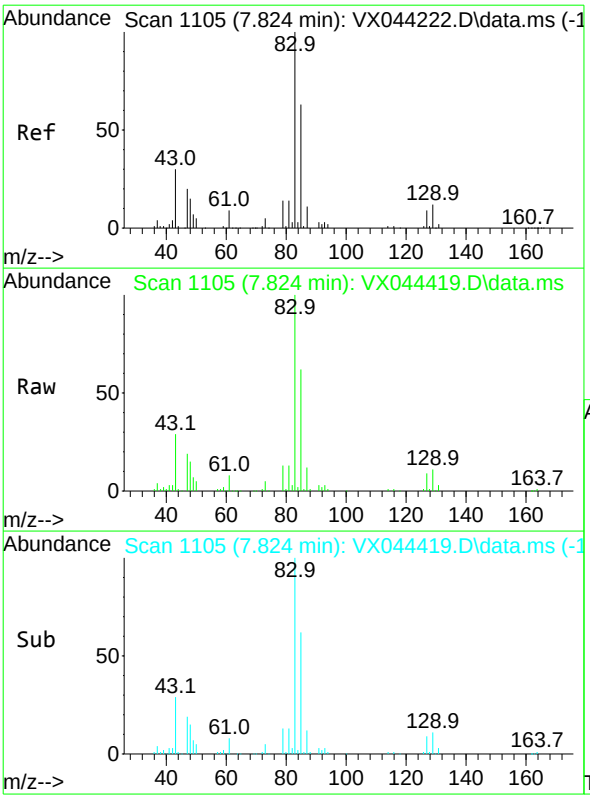




#46
Dibromomethane
Concen: 53.185 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 93 Resp: 62821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.7 | 65.4 | 98.2 |
| 174 | 94.7 | 67.9 | 101.9 |

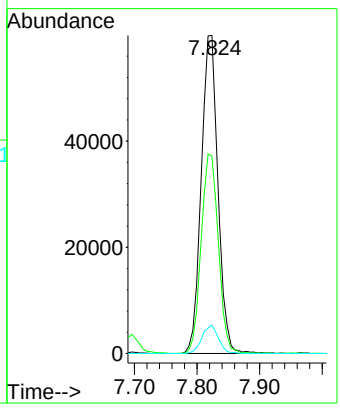





#47
Bromodichloromethane
Concen: 54.439 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 83 Resp: 111053

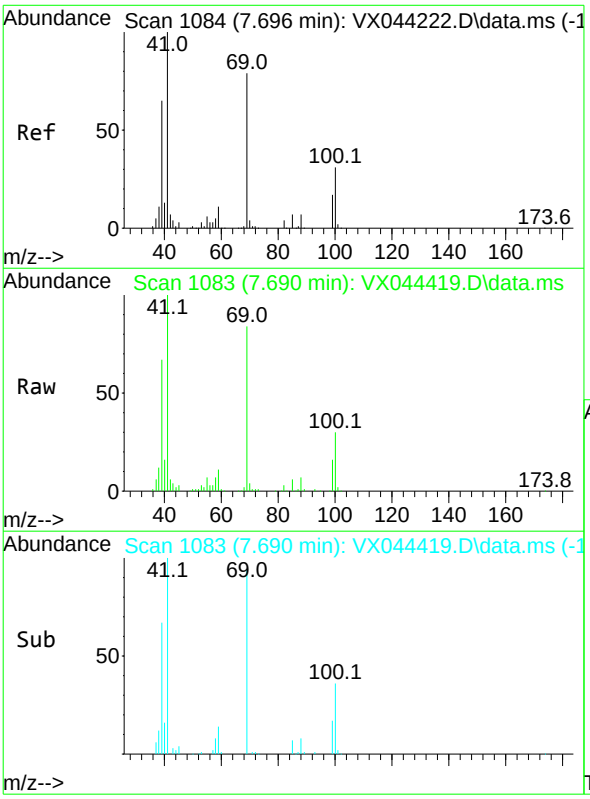
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.1 | 50.6 | 75.8 |
| 127 | 8.9 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

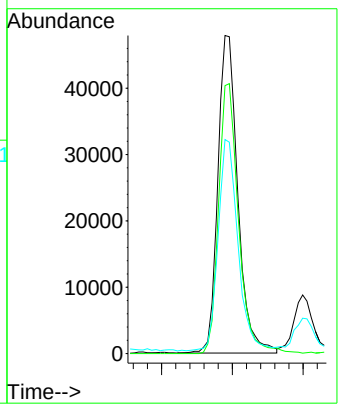
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

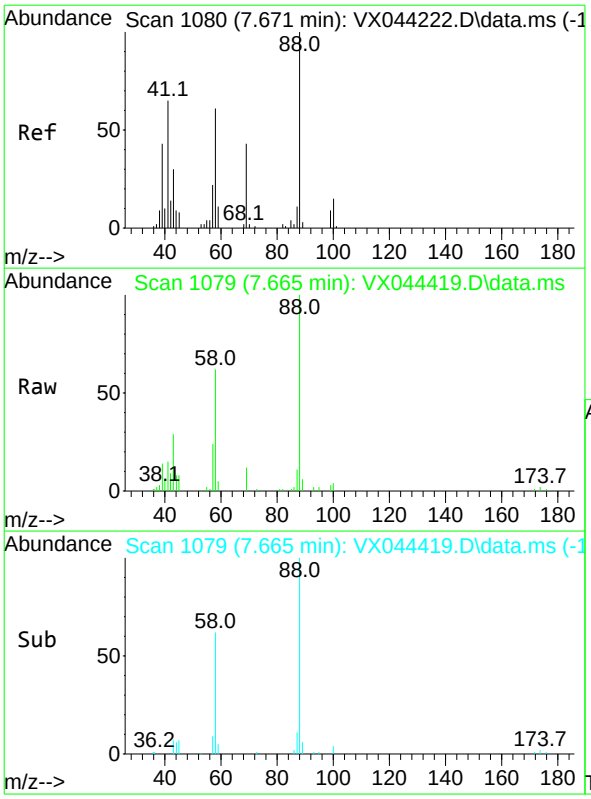



#48
Methyl methacrylate
Concen: 50.984 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 41 Resp: 93853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.8 | 62.4 | 93.6 |
| 39 | 65.7 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 927.969 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 88 Resp: 28322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.9 | 27.1 | 40.7 |
| 58 | 65.7 | 41.0 | 61.4# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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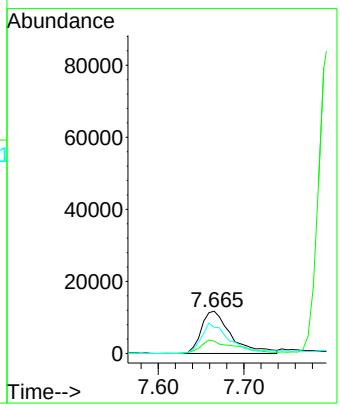
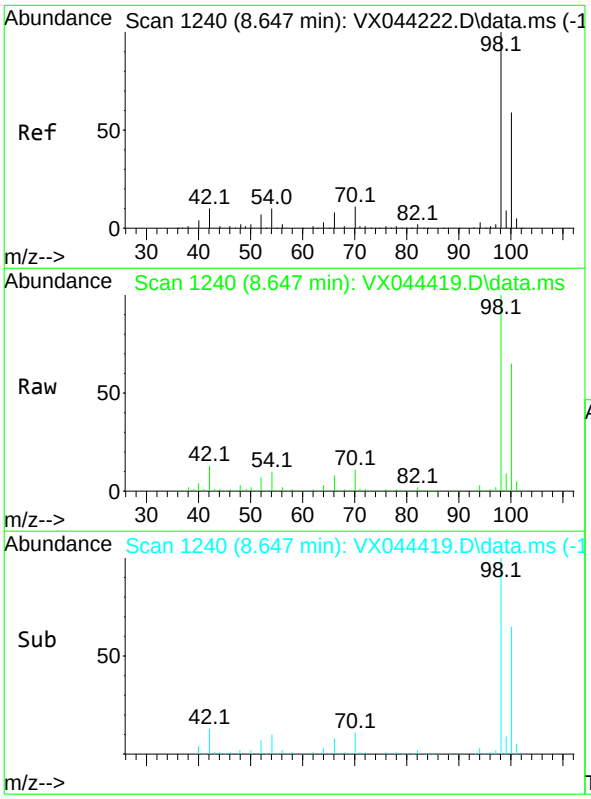
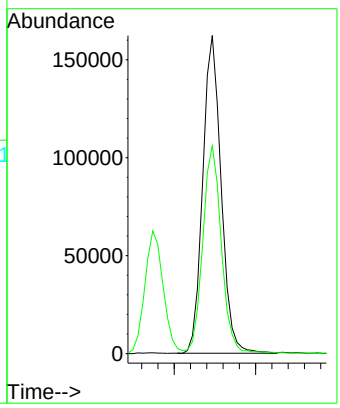


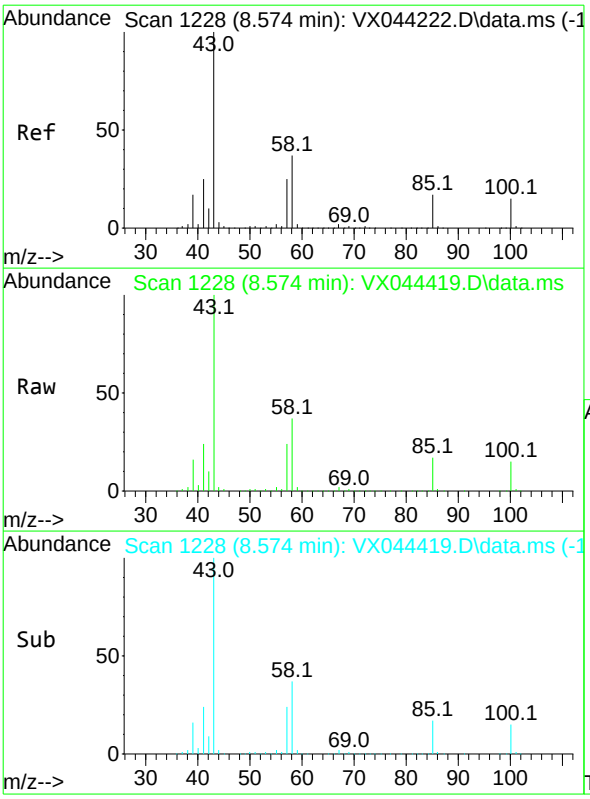




#50
Toluene-d8
Concen: 49.641 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 98 Resp: 254301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.9 | 51.5 | 77.3 |

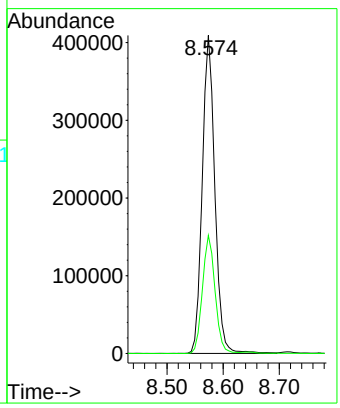





#51
4-Methyl-2-Pentanone
Concen: 261.345 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 43 Resp: 637240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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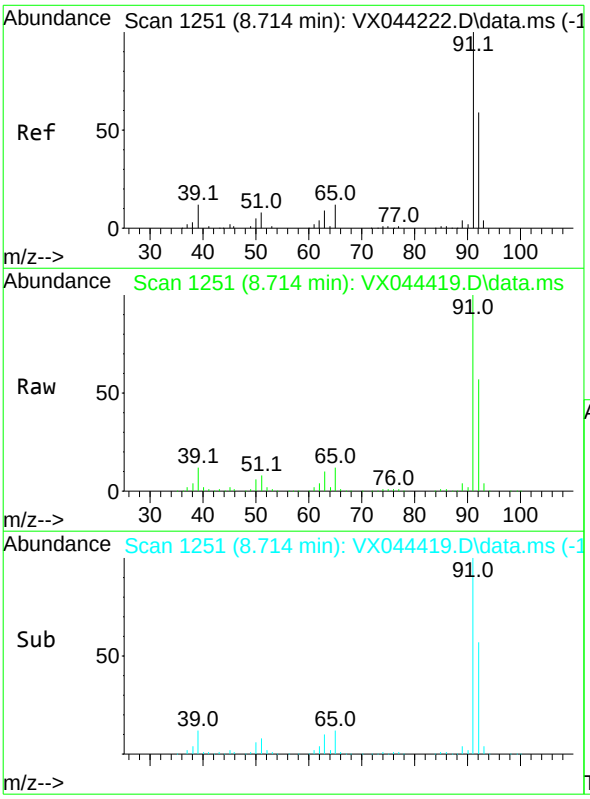
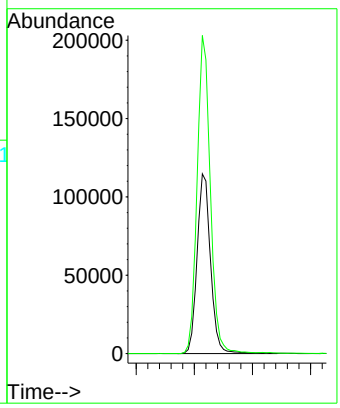
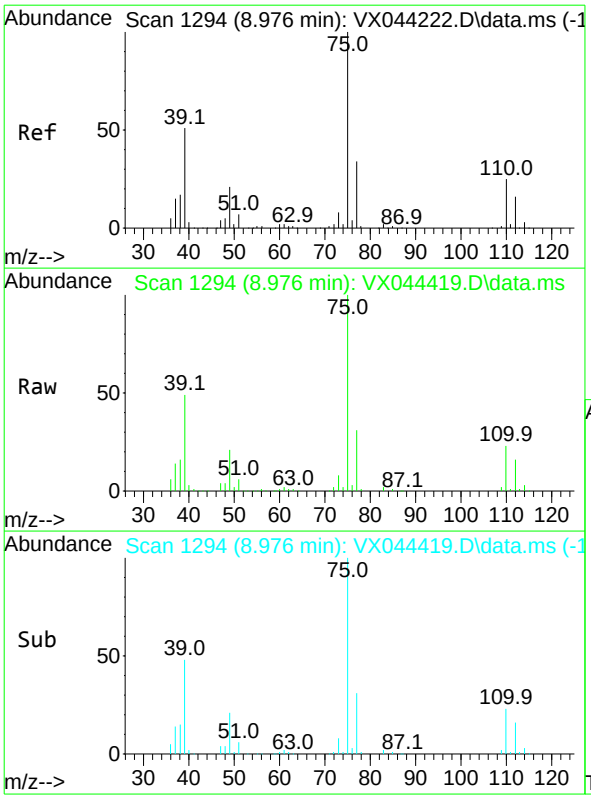



#52
Toluene
Concen: 49.148 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 92 Resp: 183930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.8 | 137.0 | 205.6 |






#53
t-1,3-Dichloropropene
Concen: 46.368 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 75 Resp: 100994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 27.2 | 40.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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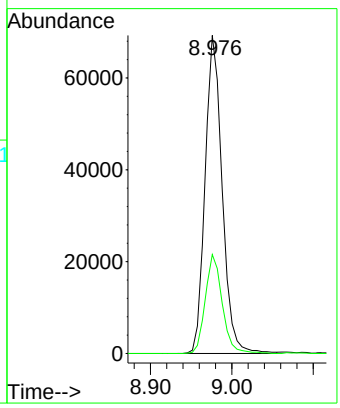
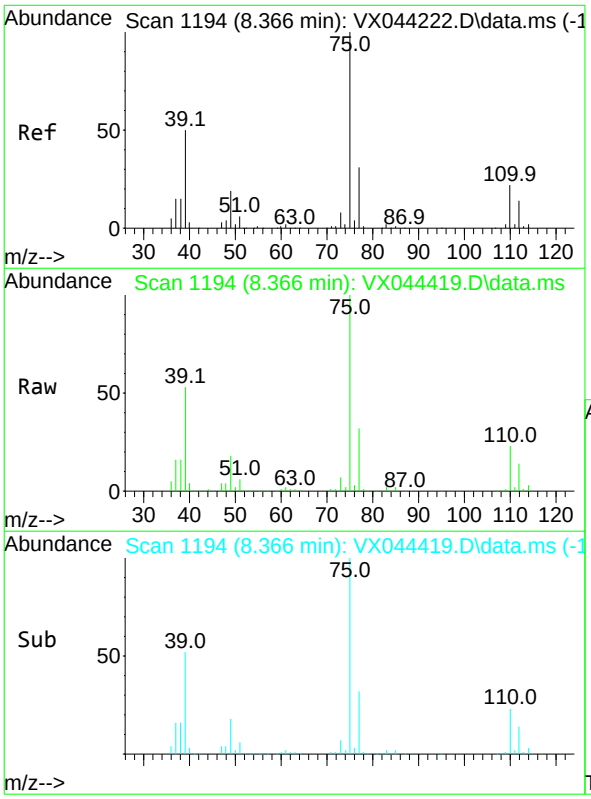
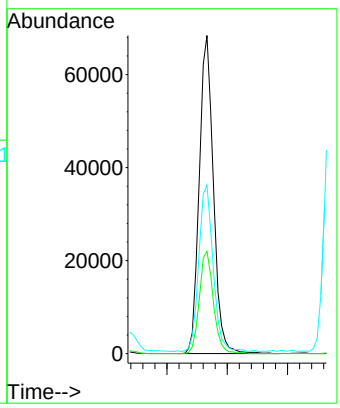


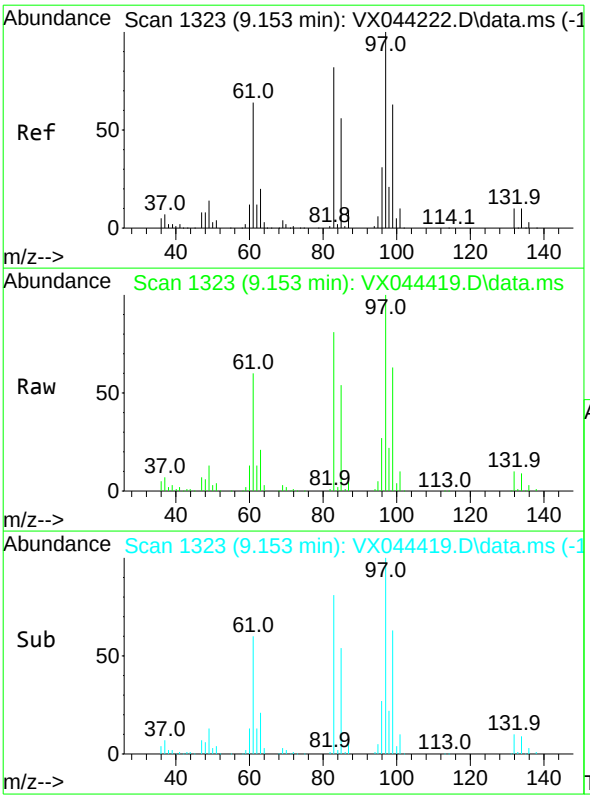




#54
cis-1,3-Dichloropropene
Concen: 50.228 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 75 Resp: 111565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 24.7 | 37.1 |
| 39 | 52.3 | 40.3 | 60.5 |

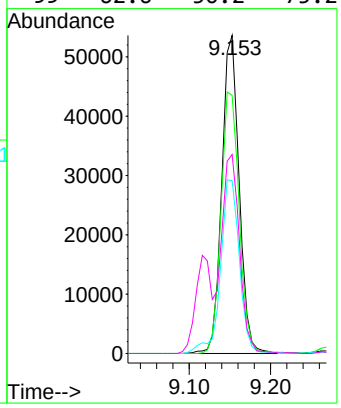





#55
1,1,2-Trichloroethane
Concen: 53.407 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 97 Resp: 79401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.2 | 65.3 | 97.9 |
| 85 | 54.4 | 44.6 | 67.0 |
| 99 | 62.6 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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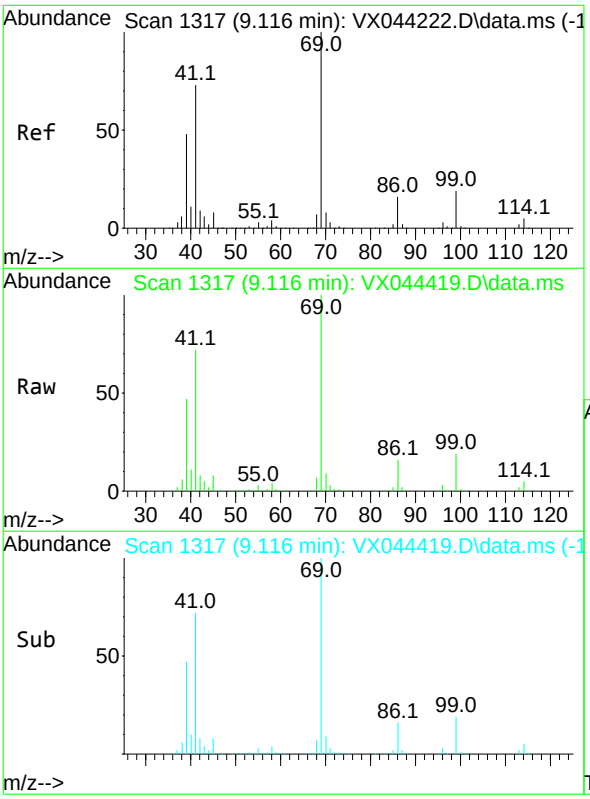
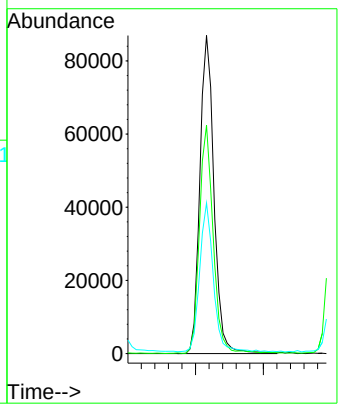
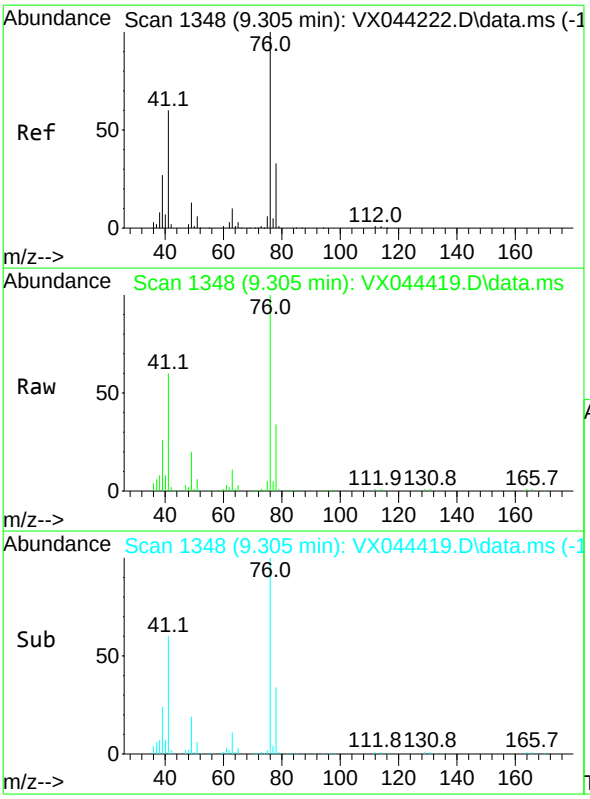



#56
Ethyl methacrylate
Concen: 53.432 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 69 Resp: 125407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.9 | 56.6 | 85.0 |
| 39 | 45.7 | 37.4 | 56.0 |

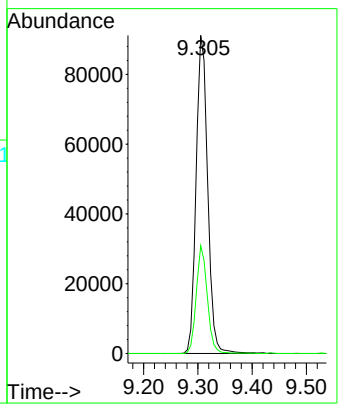





#57
1,3-Dichloropropane
Concen: 52.210 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 76 Resp: 135107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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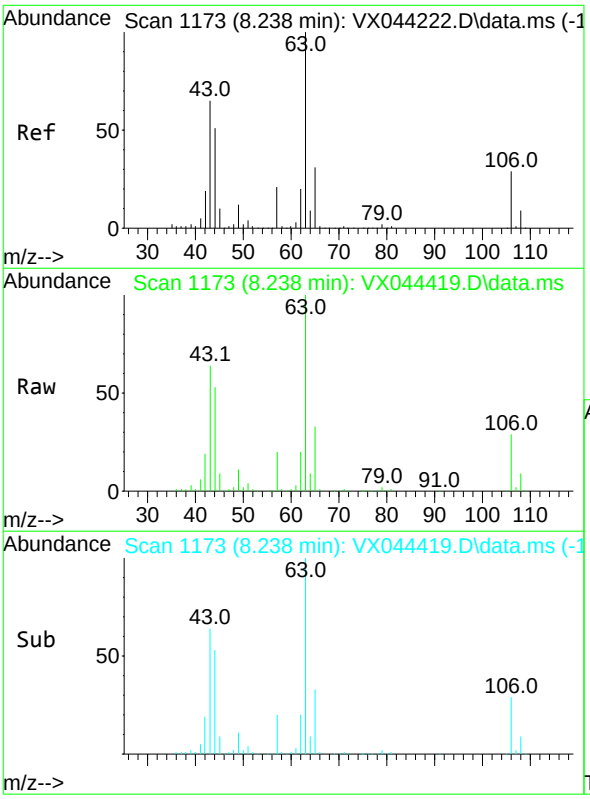
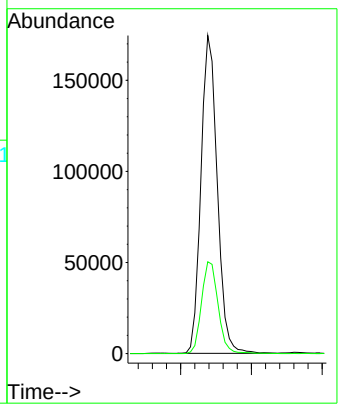
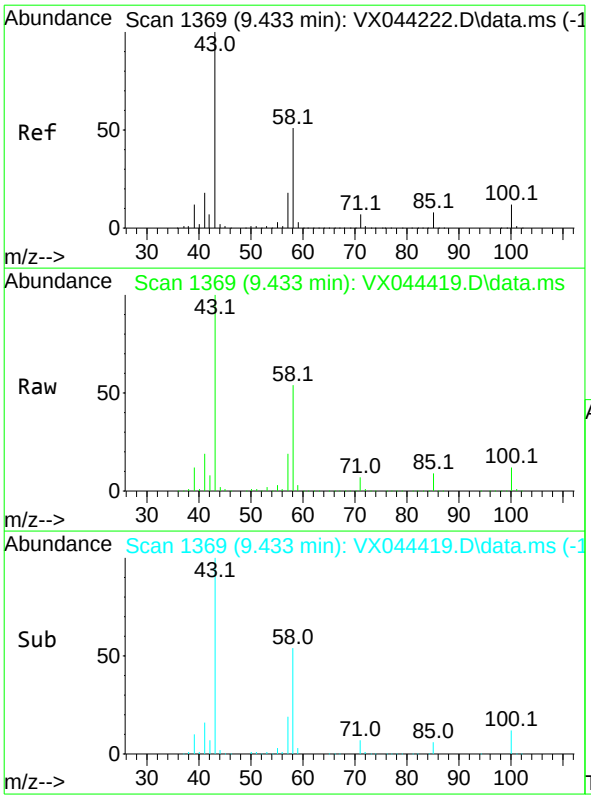



#58
2-Chloroethyl Vinyl ether
Concen: 235.938 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 63 Resp: 279300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.3 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 263.434 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 43 Resp: 464936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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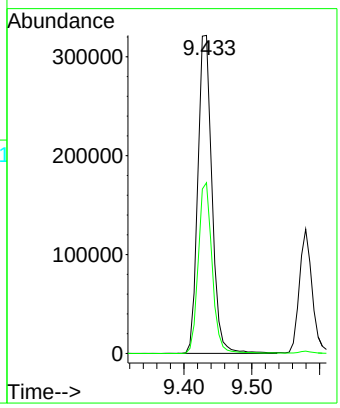
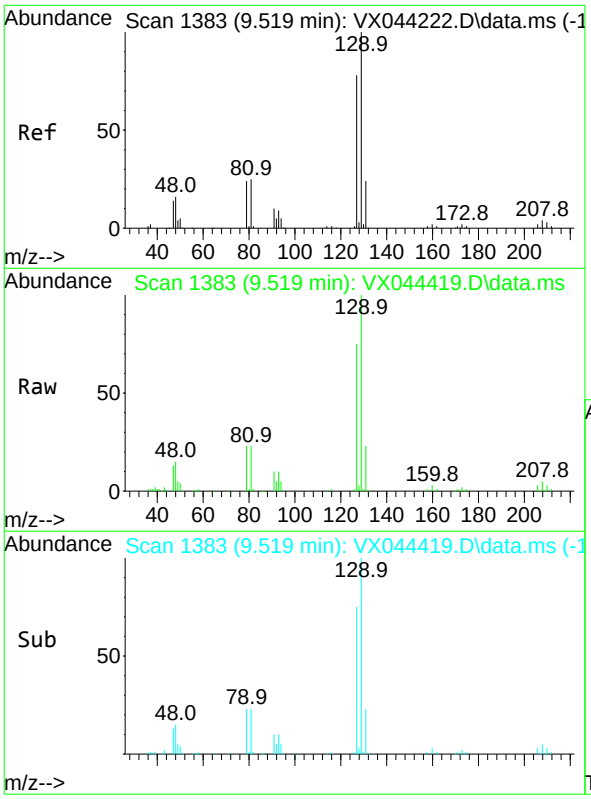
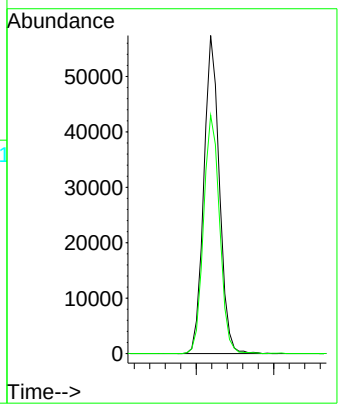


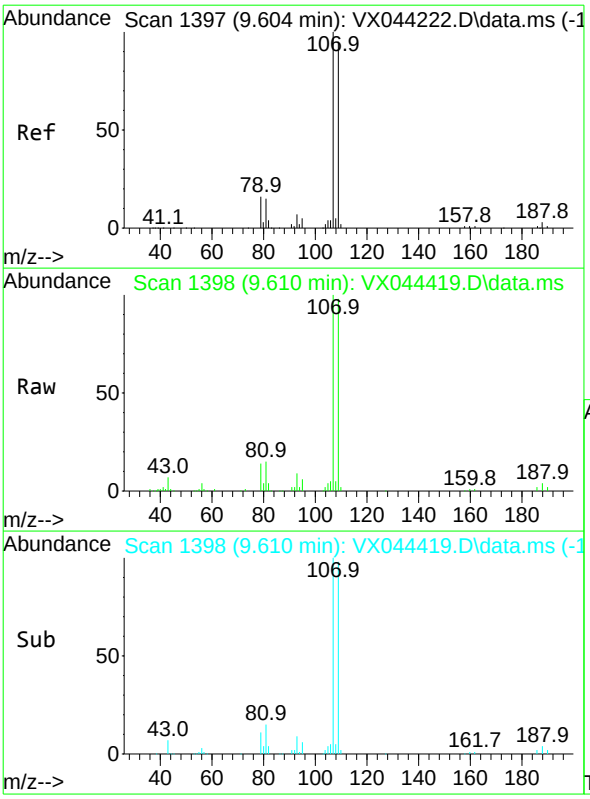




#60
Dibromochloromethane
Concen: 50.717 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:129 Resp: 79931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.5 | 38.5 | 115.3 |

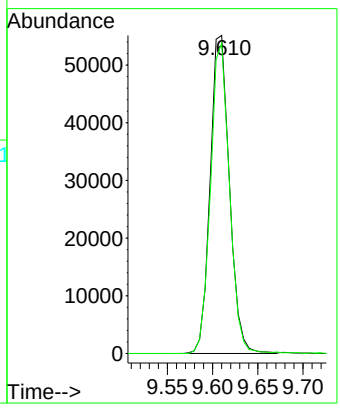





#61
1,2-Dibromoethane
Concen: 54.026 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:107 Resp: 81759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.1 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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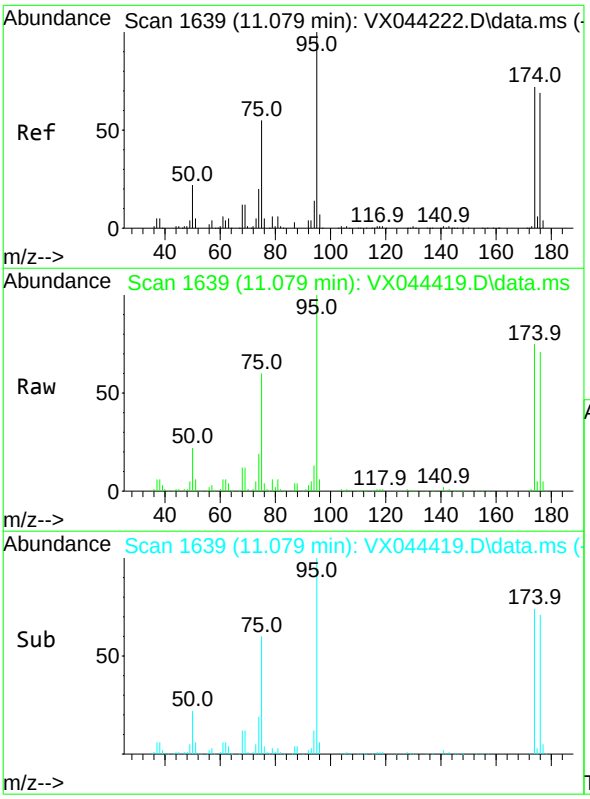
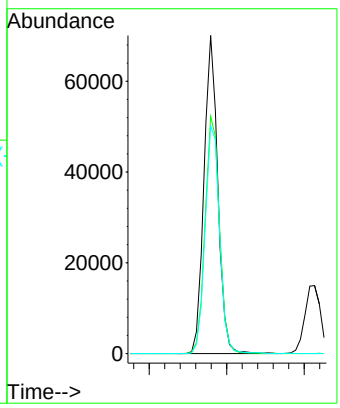
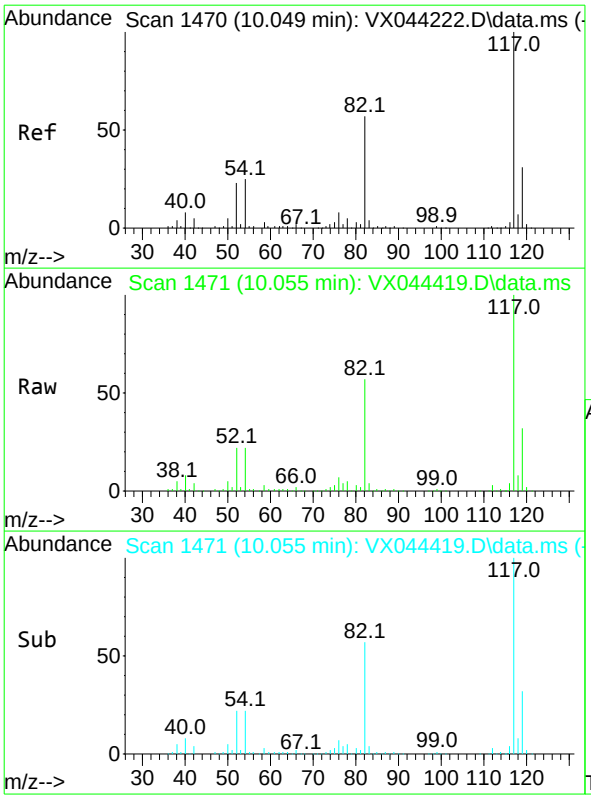



#62
4-Bromofluorobenzene
Concen: 48.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 95 Resp: 86833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.0 | 0.0 | 145.8 |
| 176 | 74.8 | 0.0 | 137.8 |

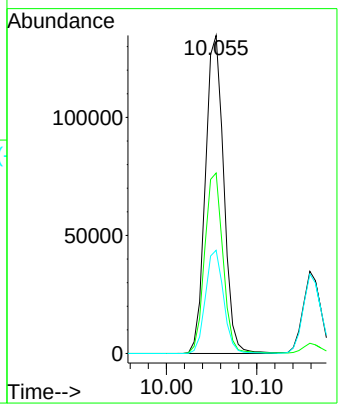





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:117 Resp: 189779

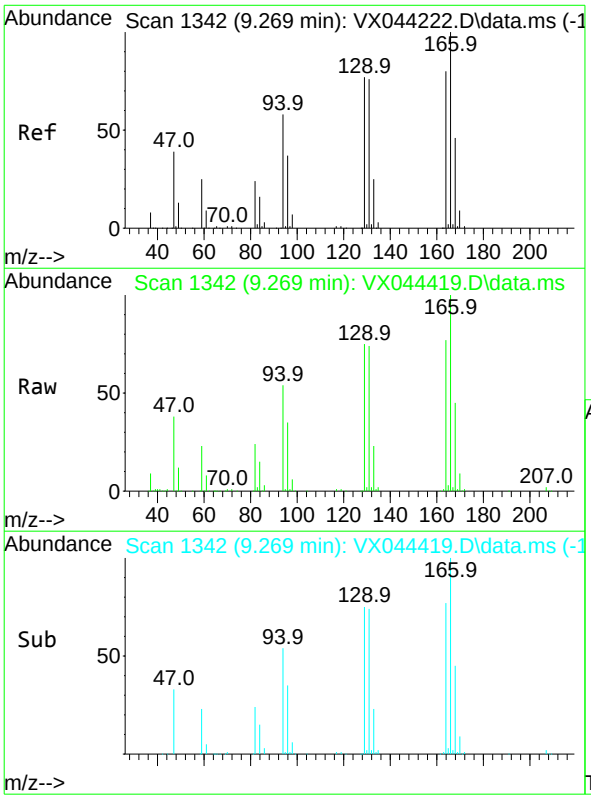
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.7 | 45.8 | 68.8 |
| 119 | 32.5 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

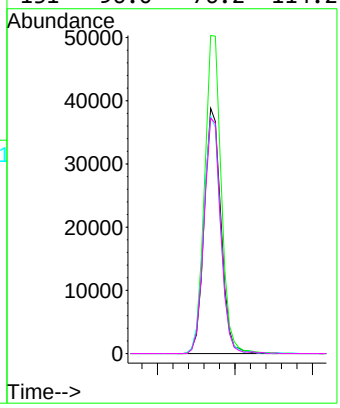
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

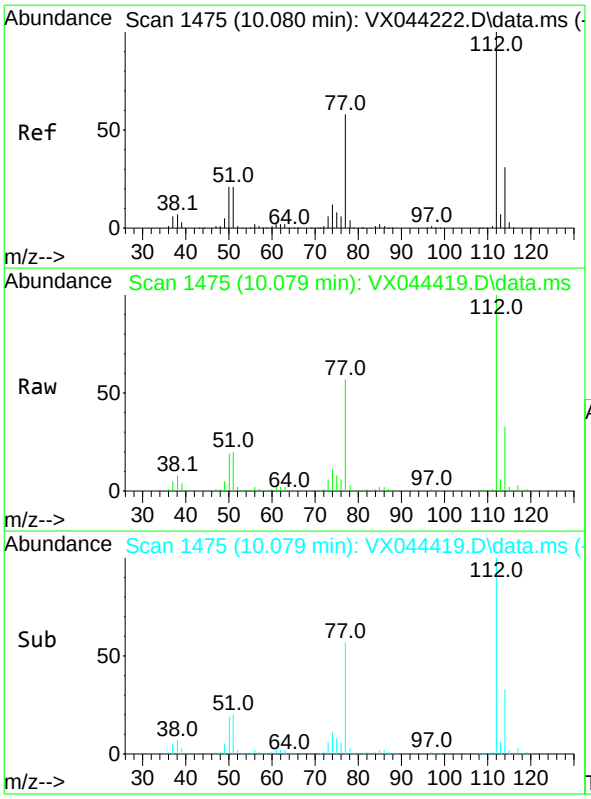



#64
Tetrachloroethene
Concen: 46.221 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:164 Resp: 58220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.7 | 100.4 | 150.6 |
| 129 | 96.7 | 77.2 | 115.8 |
| 131 | 96.0 | 76.2 | 114.2 |

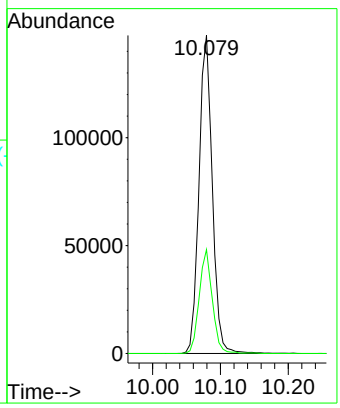





#65
Chlorobenzene
Concen: 49.379 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:112 Resp: 200803

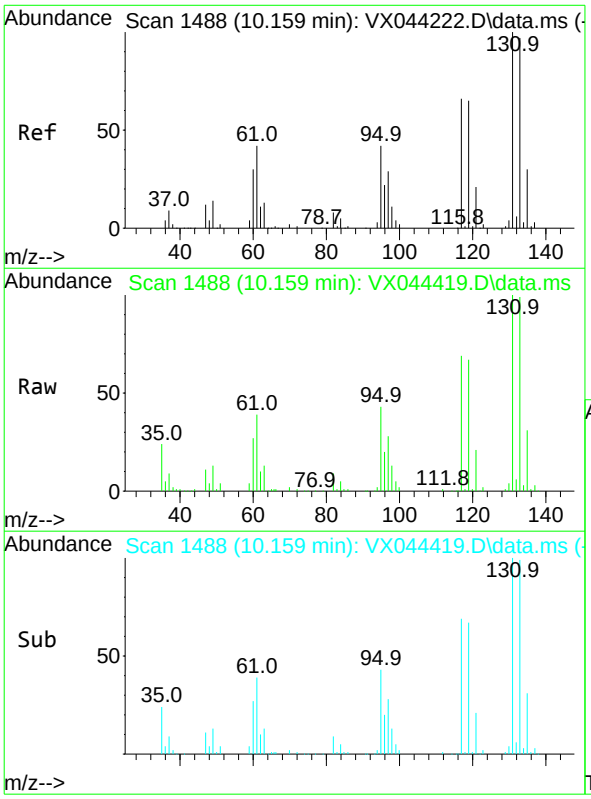
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.7 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

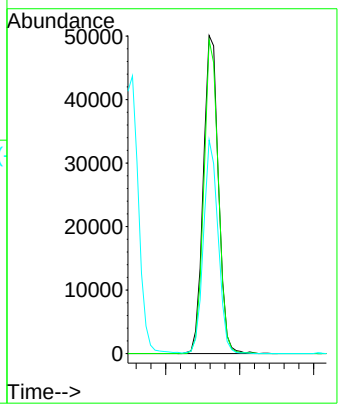
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

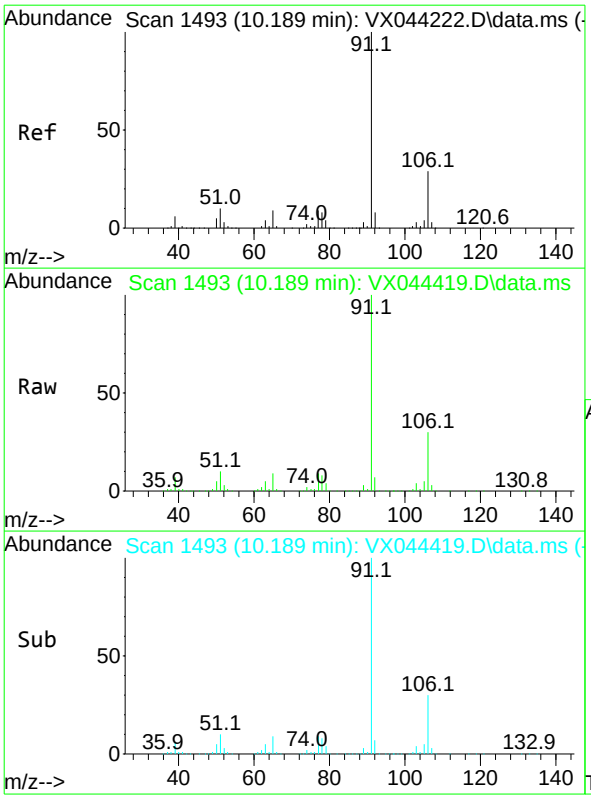



#66
1,1,1,2-Tetrachloroethane
Concen: 54.398 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:131 Resp: 71094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.3 | 47.3 | 141.8 |
| 119 | 64.9 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 48.644 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 91 Resp: 341788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 23.5 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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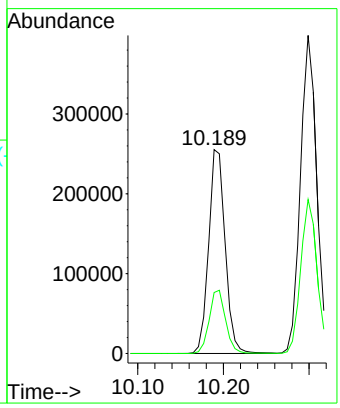
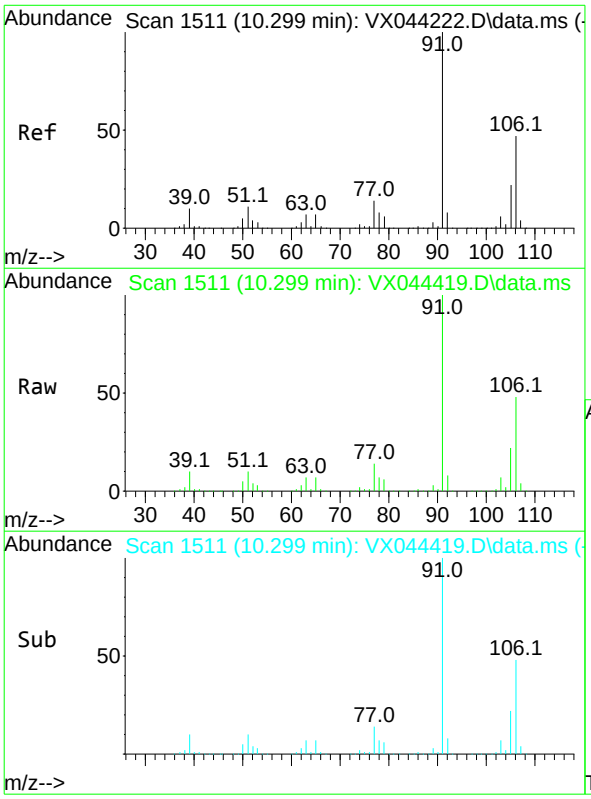
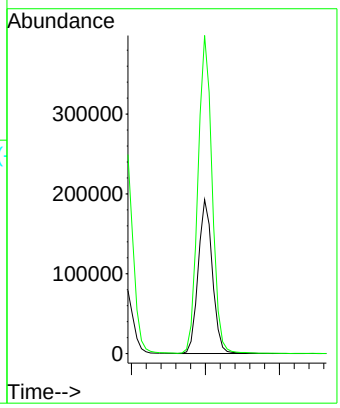


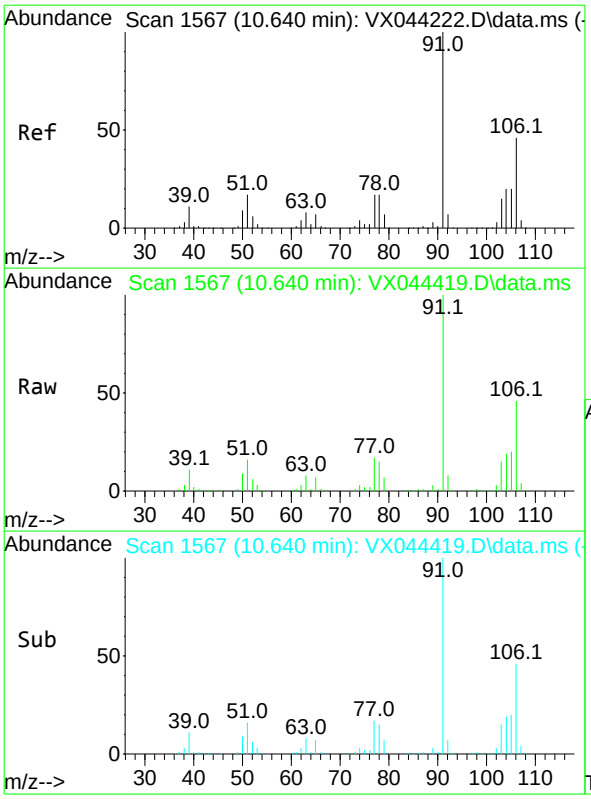




#68
m/p-Xylenes
Concen: 99.414 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:106 Resp: 256314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.5 | 170.2 | 255.2 |






#69
o-Xylene
Concen: 49.398 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

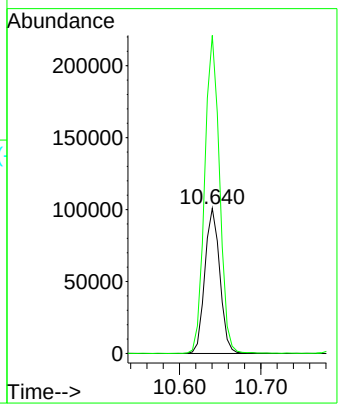
Tgt Ion:106 Resp: 128864

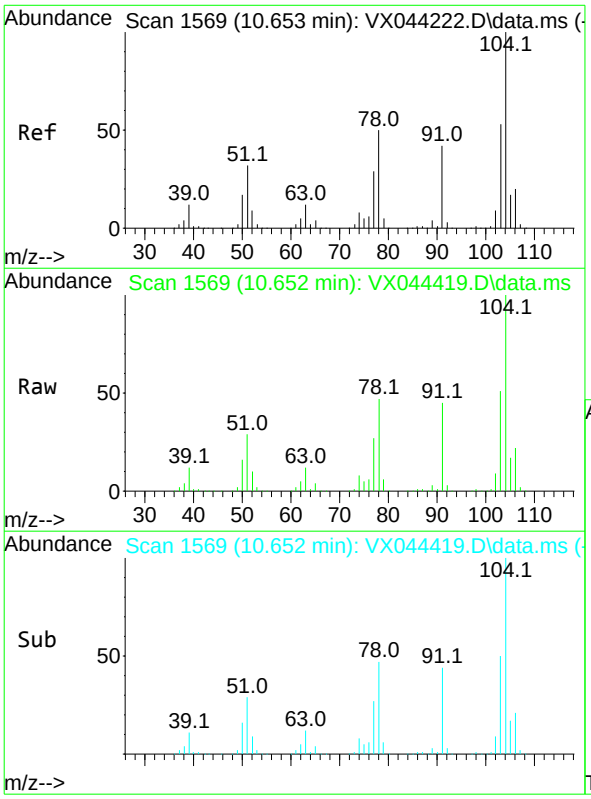
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.0 | 112.3 | 337.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

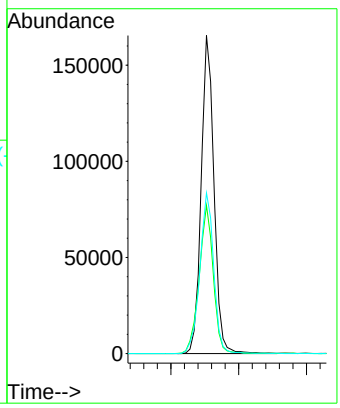


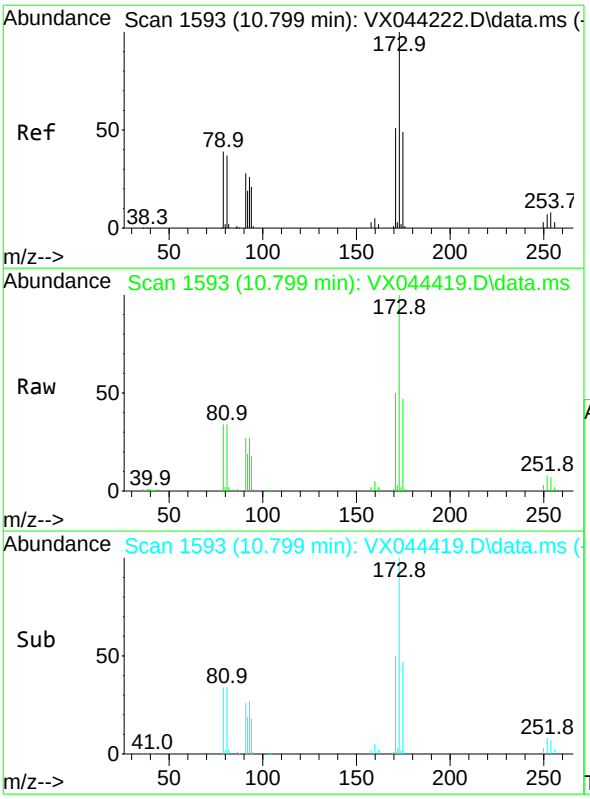




#70
Styrene
Concen: 51.842 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:104 Resp: 216799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.3 | 44.6 | 67.0 |
| 103 | 55.1 | 45.4 | 68.0 |






#71
Bromoform
Concen: 52.457 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

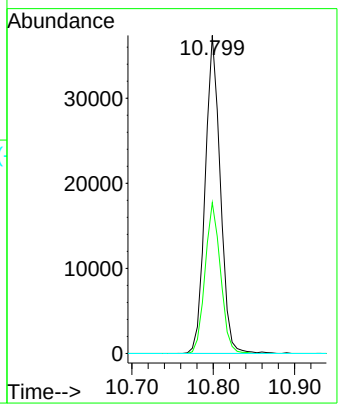
Tgt Ion:173 Resp: 48213

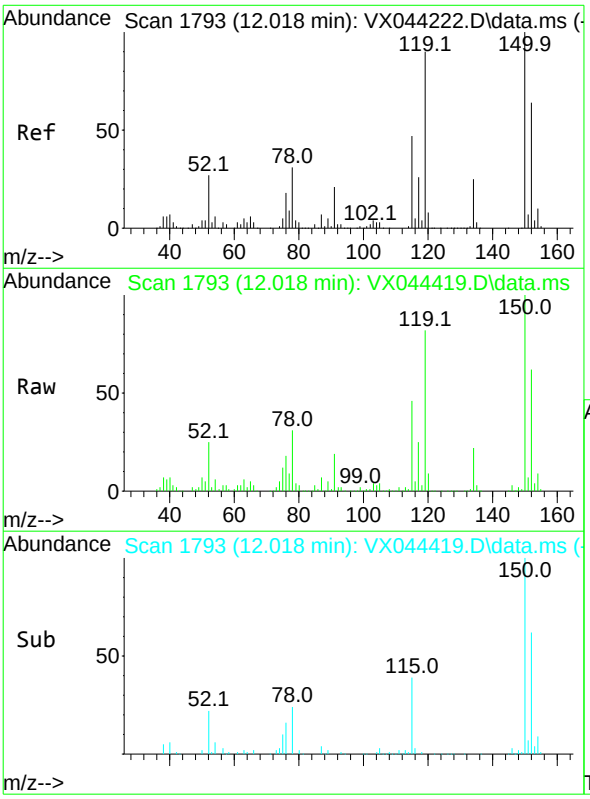
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

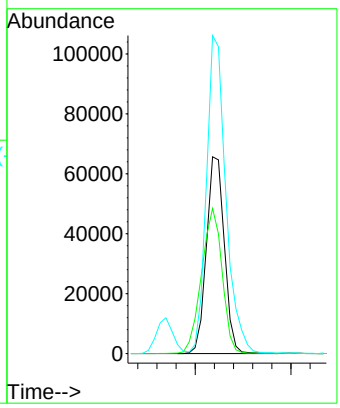


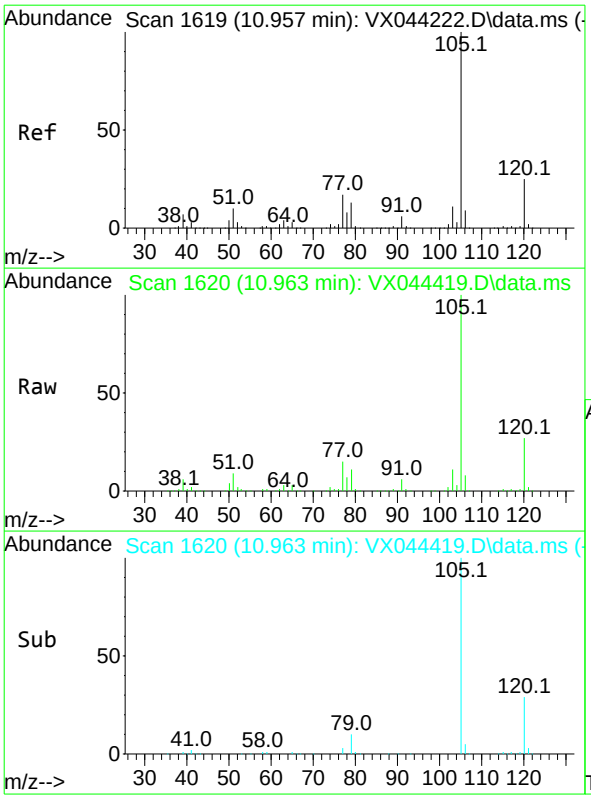




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:152 Resp: 85459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.8 | 44.5 | 133.3 |
| 150 | 174.3 | 0.0 | 353.8 |

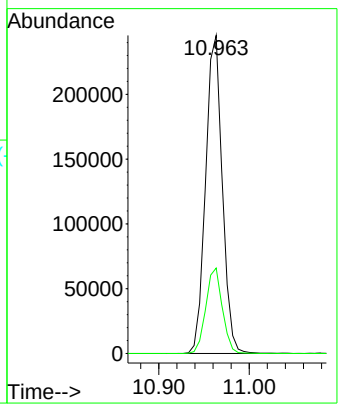





#73
Isopropylbenzene
Concen: 48.052 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:105 Resp: 314366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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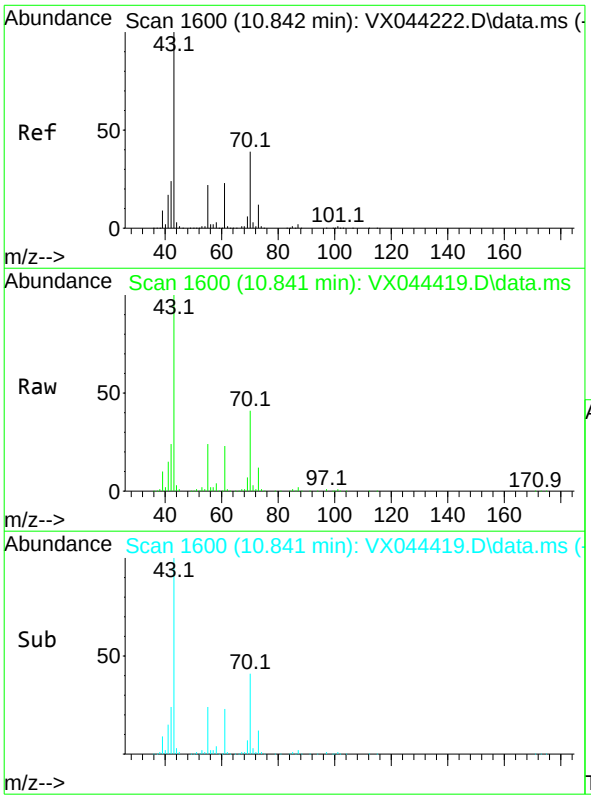
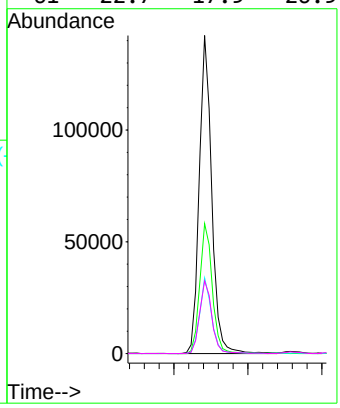
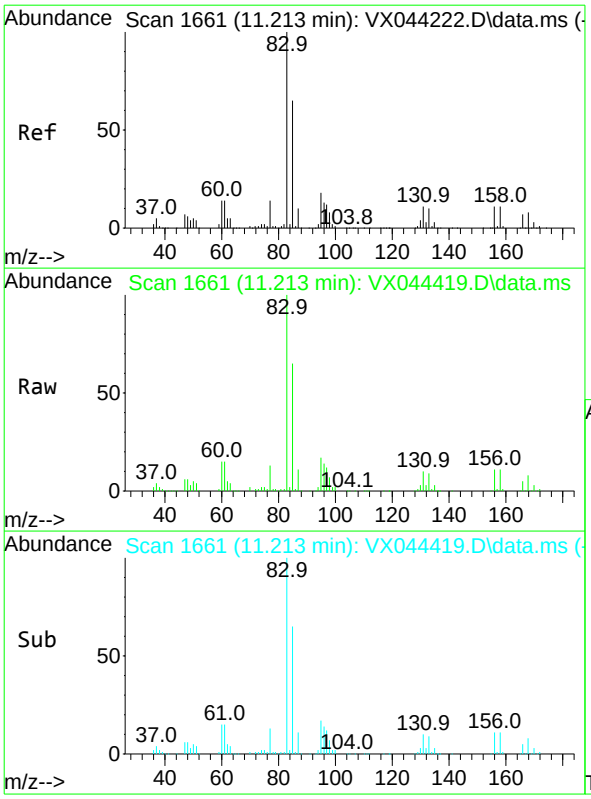



#74
N-amyl acetate
Concen: 55.002 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 43 Resp: 166301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 31.9 | 47.9 |
| 55 | 22.9 | 17.9 | 26.9 |
| 61 | 22.7 | 17.9 | 26.9 |






#75
1,1,2,2-Tetrachloroethane
Concen: 52.663 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 83 Resp: 119667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.1 | 15.4 |
| 85 | 65.5 | 32.5 | 97.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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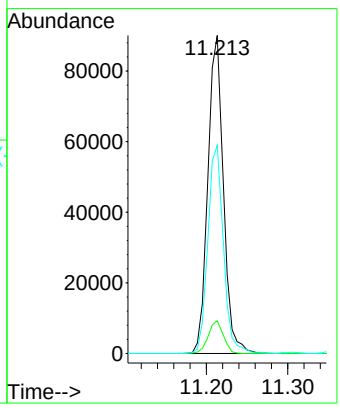
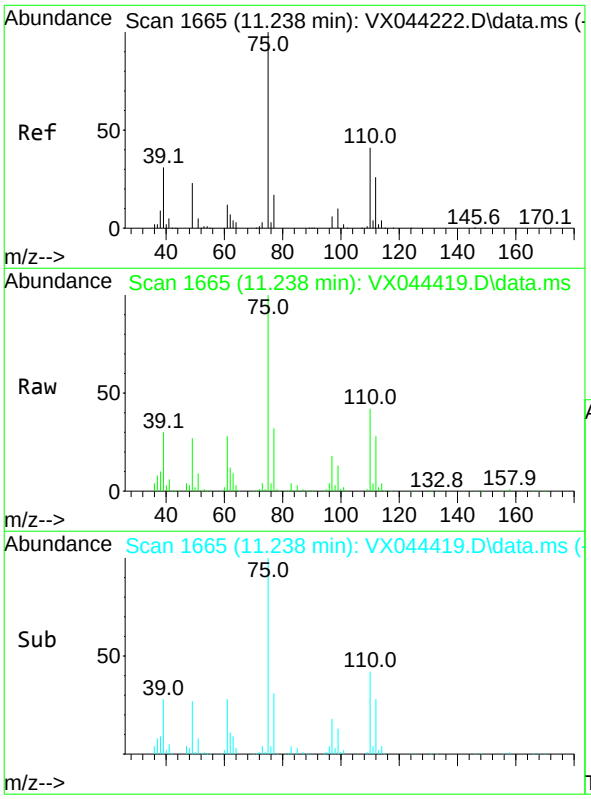
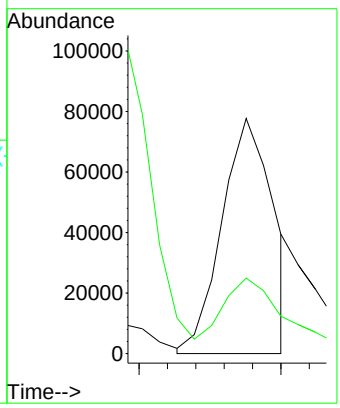


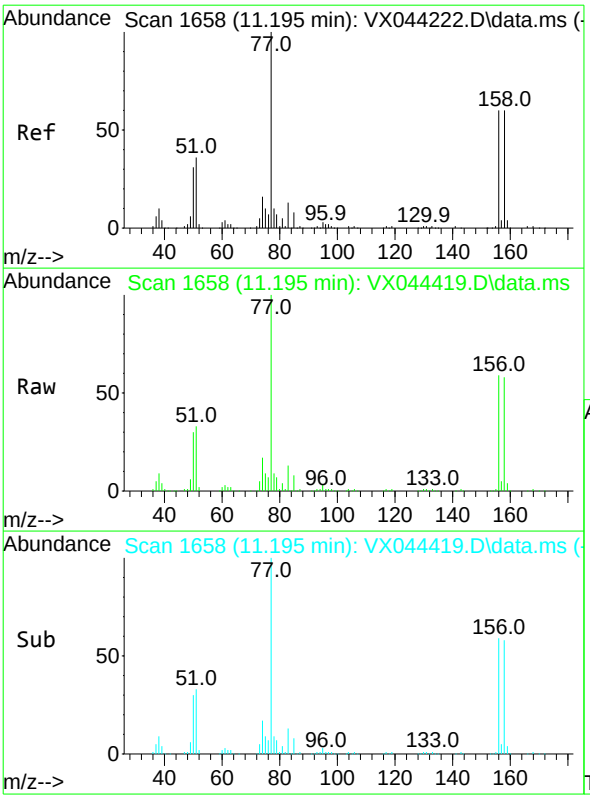




#76
1,2,3-Trichloropropane
Concen: 51.257 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 75 Resp: 97804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.8 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 51.162 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

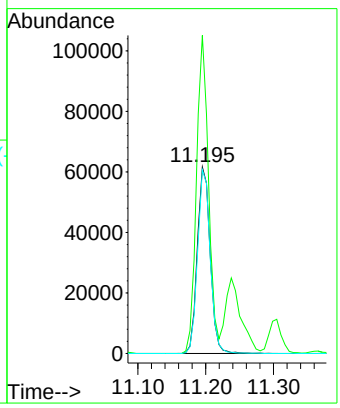
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

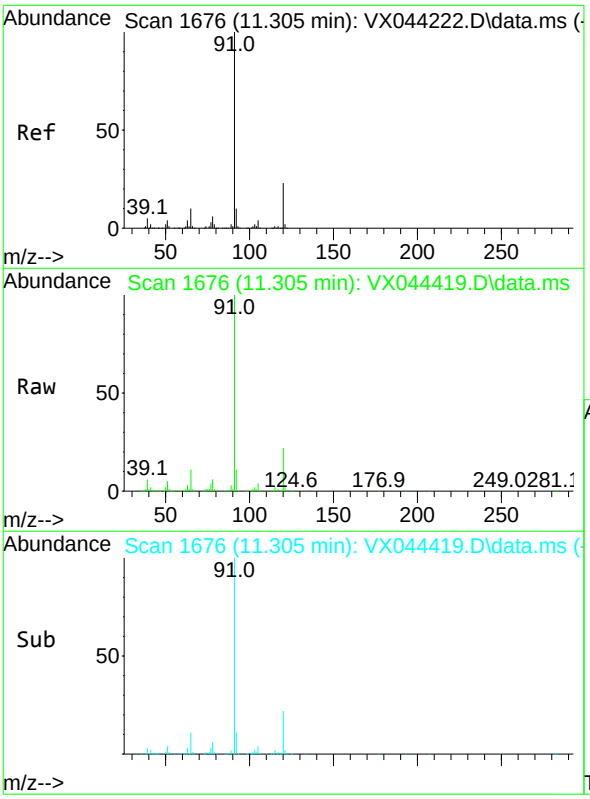
Tgt Ion:156 Resp: 81167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 160.0 | 82.6 | 247.8 |
| 158 | 96.8 | 48.8 | 146.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

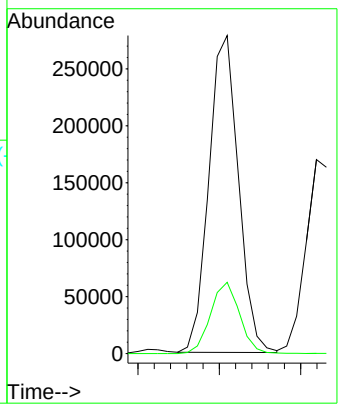


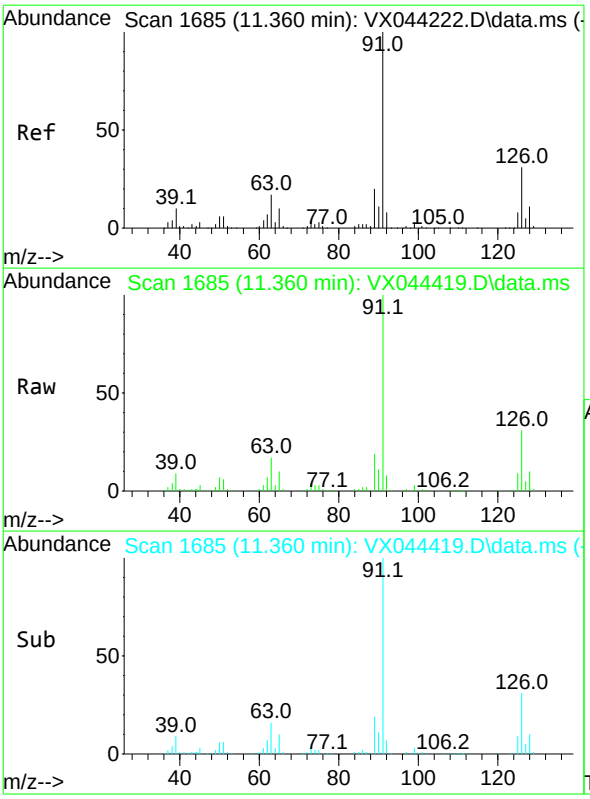




#78
n-propylbenzene
Concen: 48.614 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 91 Resp: 351524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.0 | 33.0 |

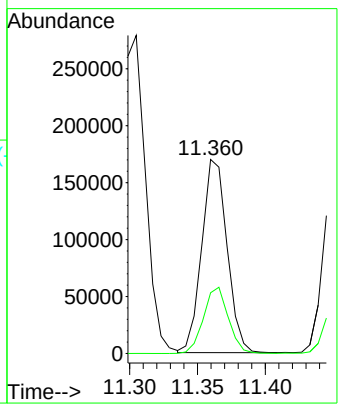





#79
2-Chlorotoluene
Concen: 47.194 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 91 Resp: 220699

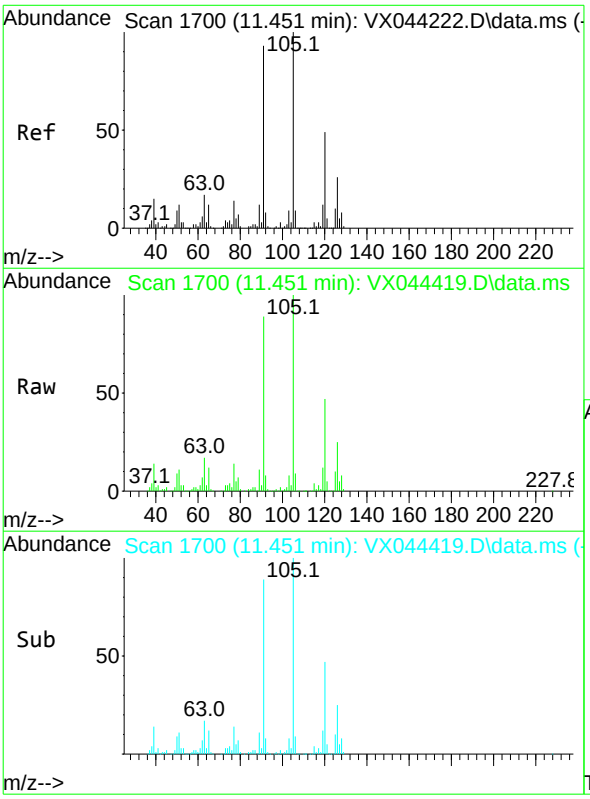
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

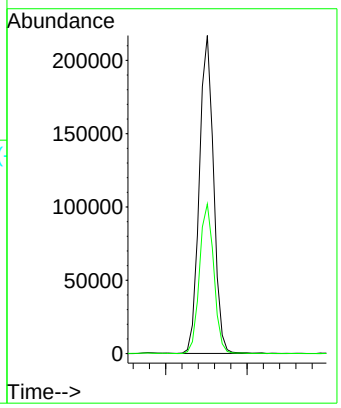
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

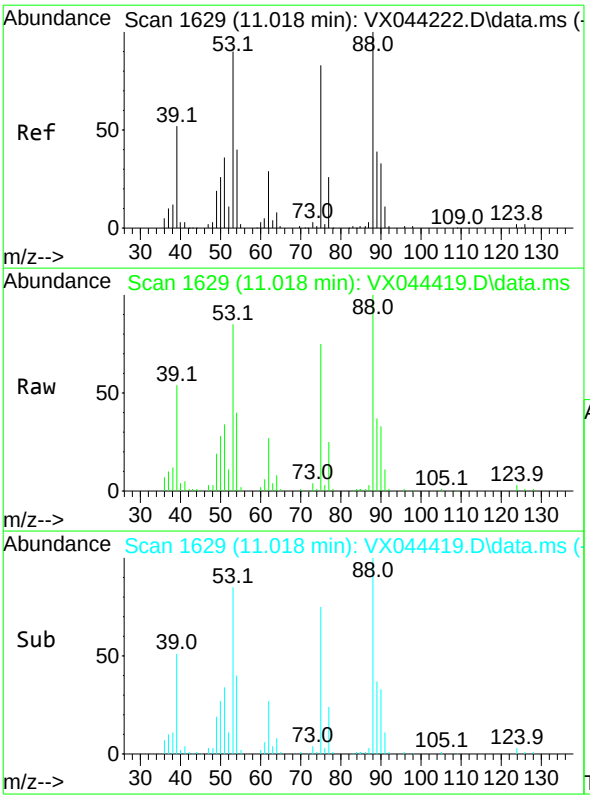



#80
1,3,5-Trimethylbenzene
Concen: 48.573 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:105 Resp: 263525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 40.690 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

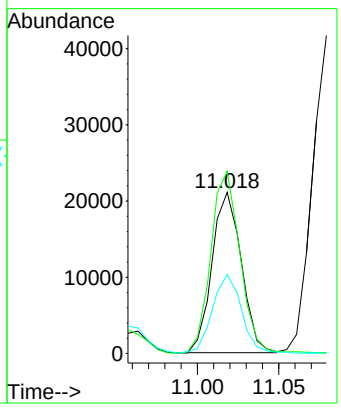
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

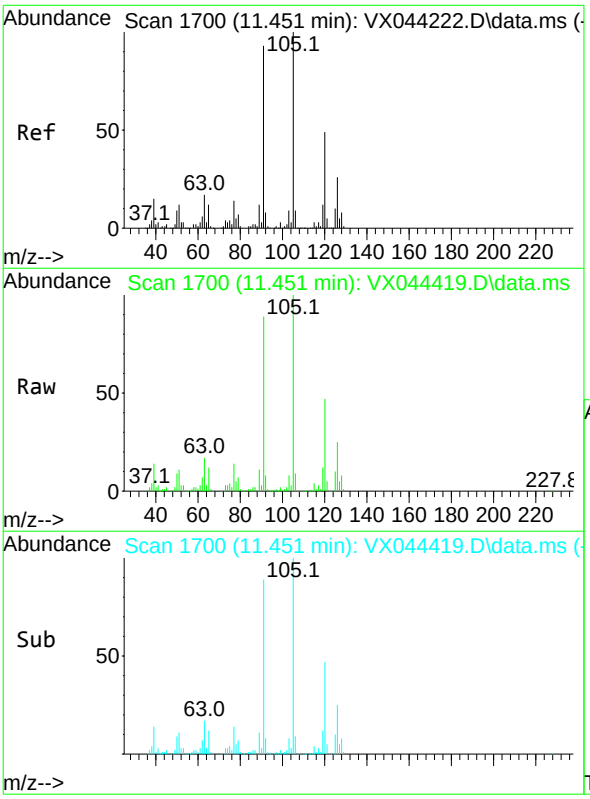
Tgt Ion: 75 Resp: 26316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.4 | 93.6 | 140.4 |
| 89 | 49.3 | 37.3 | 55.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

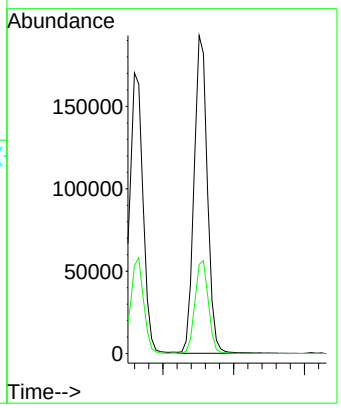


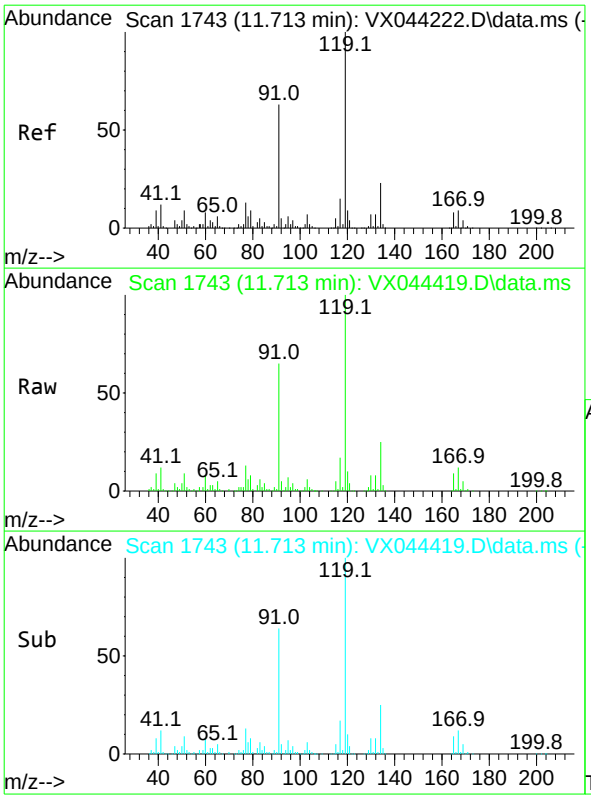




#82
4-Chlorotoluene
Concen: 48.639 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 91 Resp: 251878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.5 | 14.5 | 43.5 |

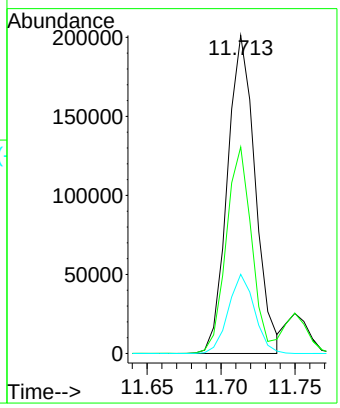





#83
tert-Butylbenzene
Concen: 48.951 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:119 Resp: 262462

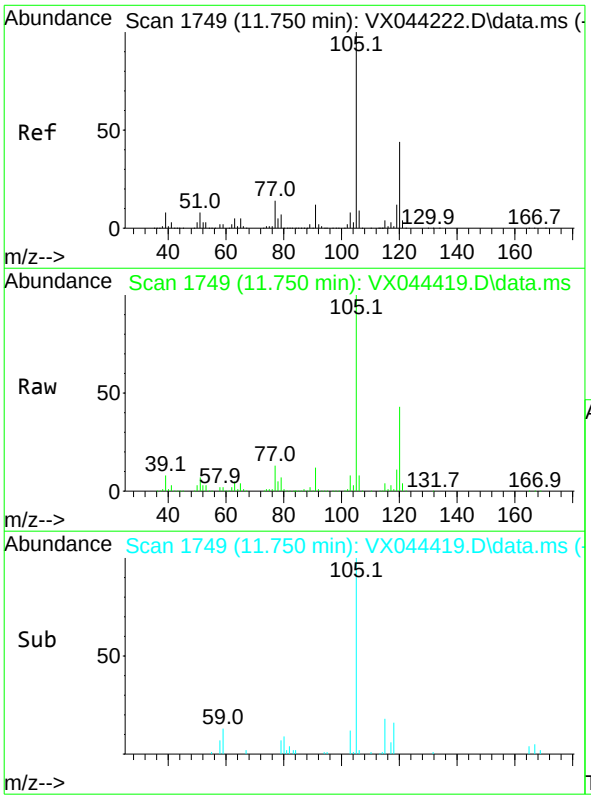
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.4 | 30.9 | 92.5 |
| 134 | 23.5 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

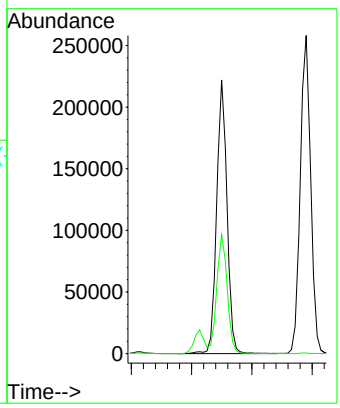
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

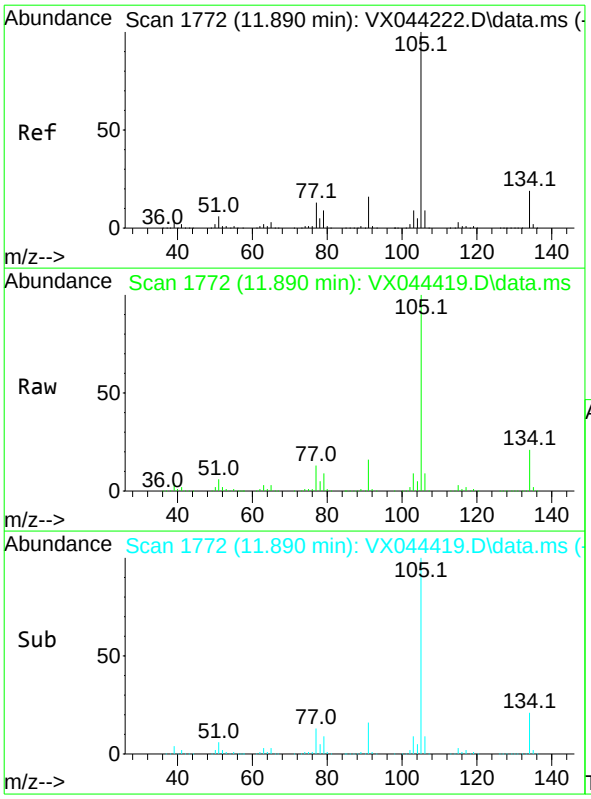



#84
1,2,4-Trimethylbenzene
Concen: 49.728 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:105 Resp: 264960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 21.7 | 65.1 |

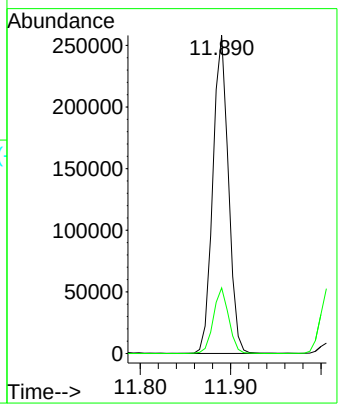





#85
sec-Butylbenzene
Concen: 47.411 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:105 Resp: 308602

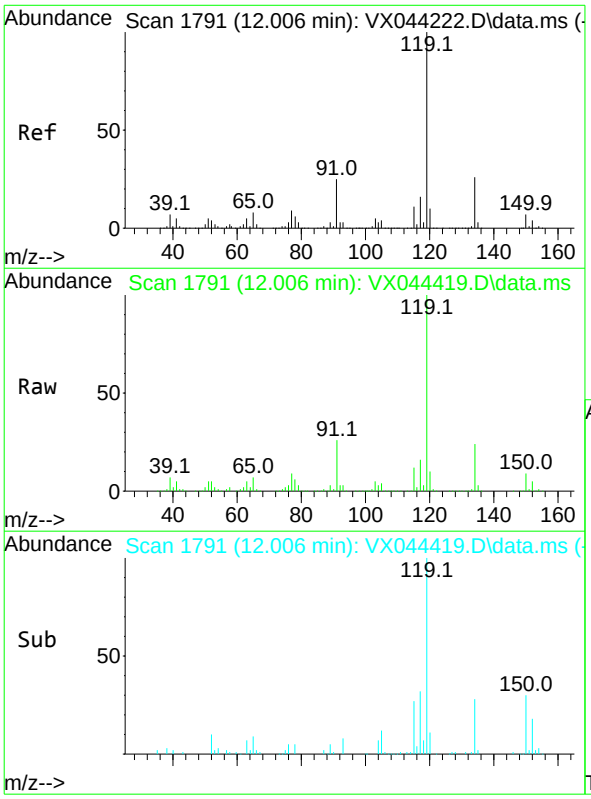
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

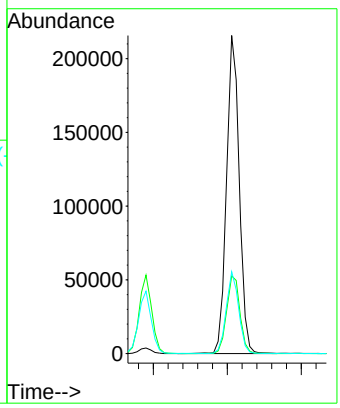
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

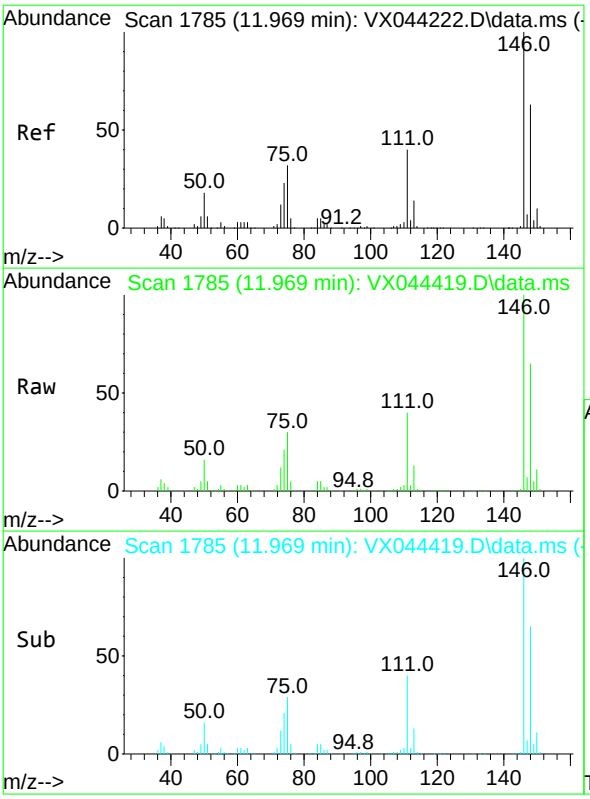



#86
p-Isopropyltoluene
Concen: 47.558 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:119 Resp: 257648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.5 | 12.8 | 38.4 |
| 91 | 25.0 | 13.0 | 39.0 |

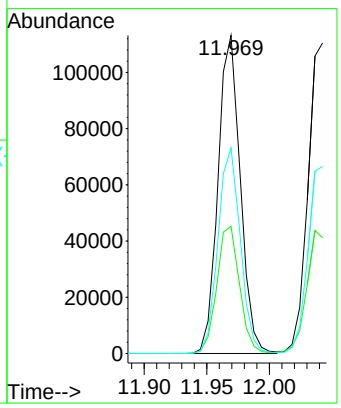





#87
1,3-Dichlorobenzene
Concen: 50.634 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:146 Resp: 140315

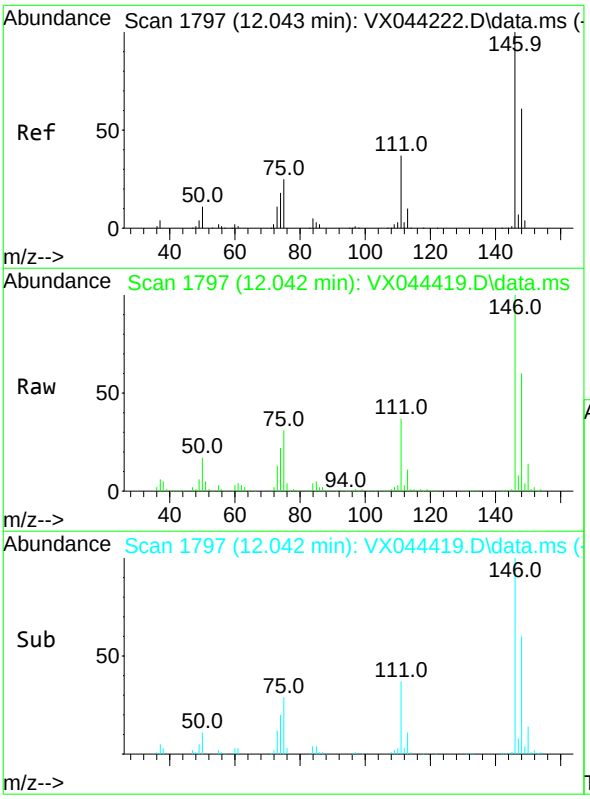
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 21.4 | 64.2 |
| 148 | 64.8 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

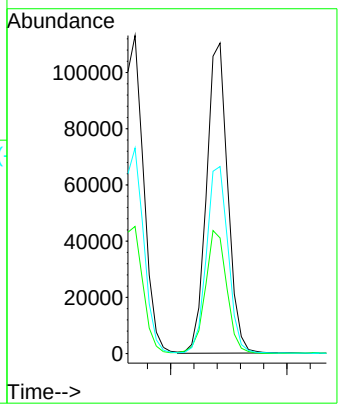
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

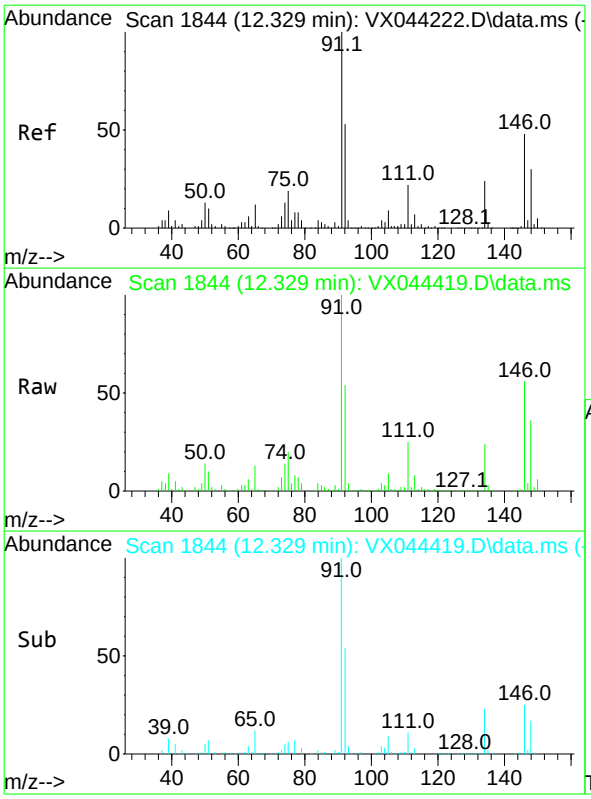



#88
1,4-Dichlorobenzene
Concen: 49.148 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:146 Resp: 140008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.1 | 21.0 | 63.0 |
| 148 | 62.5 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 47.053 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

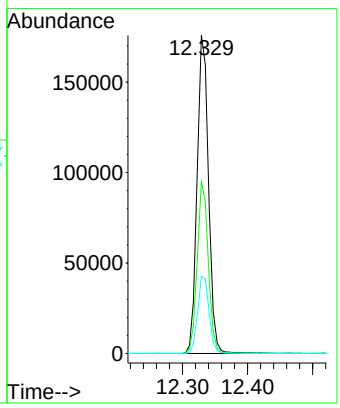
Tgt Ion: 91 Resp: 214353

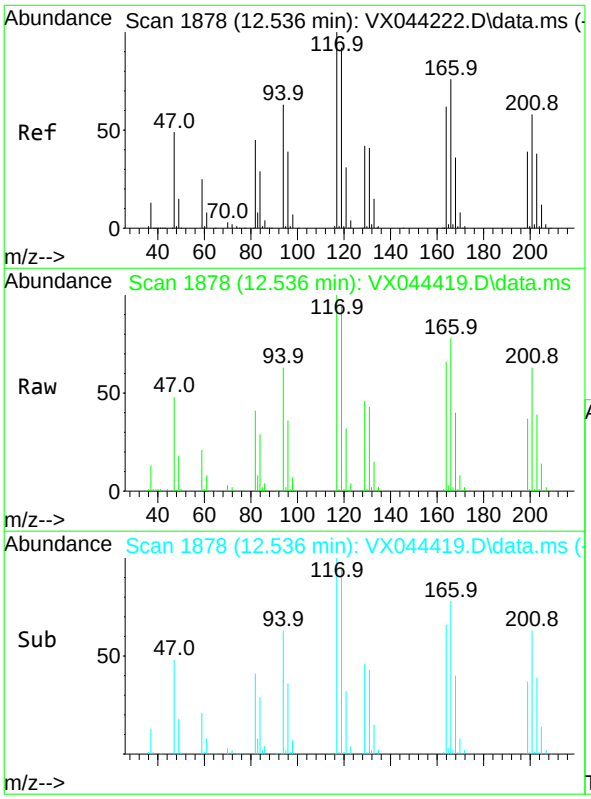
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 26.6 | 79.7 |
| 134 | 24.5 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

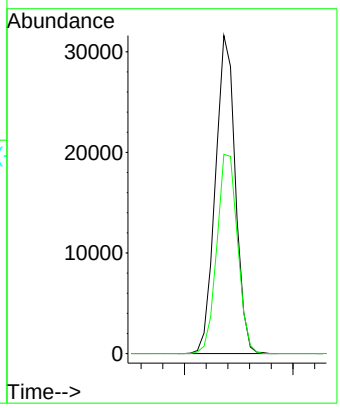


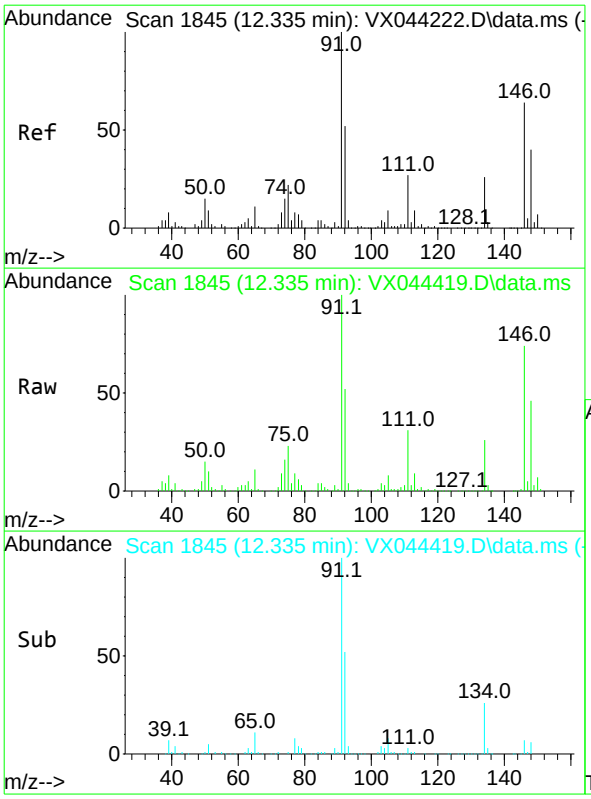




#90
Hexachloroethane
Concen: 51.057 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:117 Resp: 40378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 65.2 | 31.4 | 94.2 |

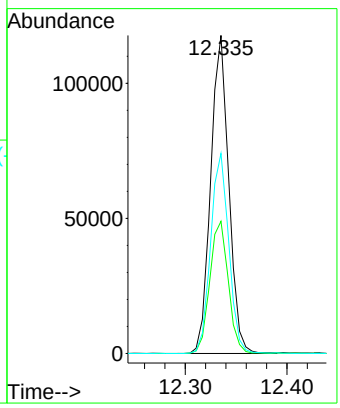





#91
1,2-Dichlorobenzene
Concen: 50.596 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:146 Resp: 145586

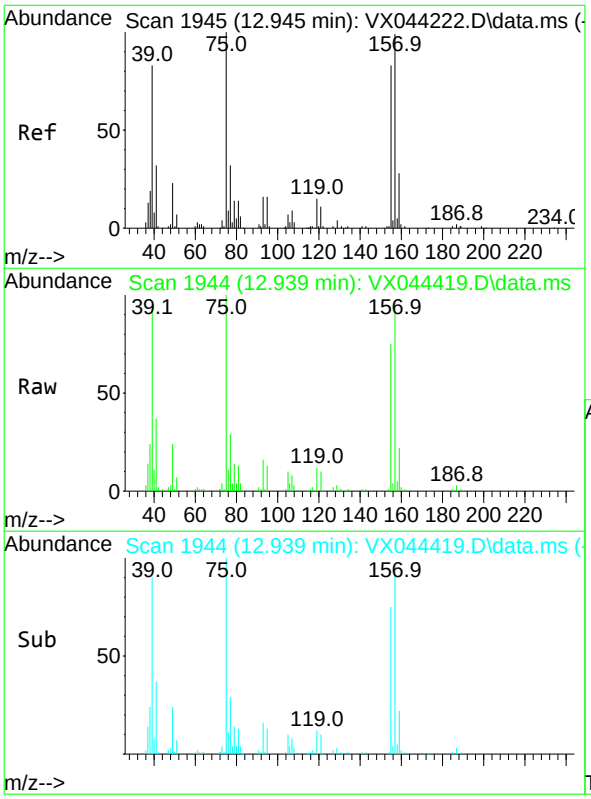
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.4 | 64.3 |
| 148 | 63.2 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

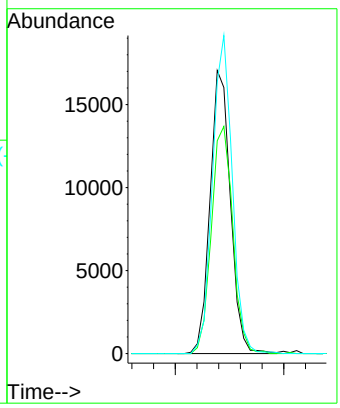
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

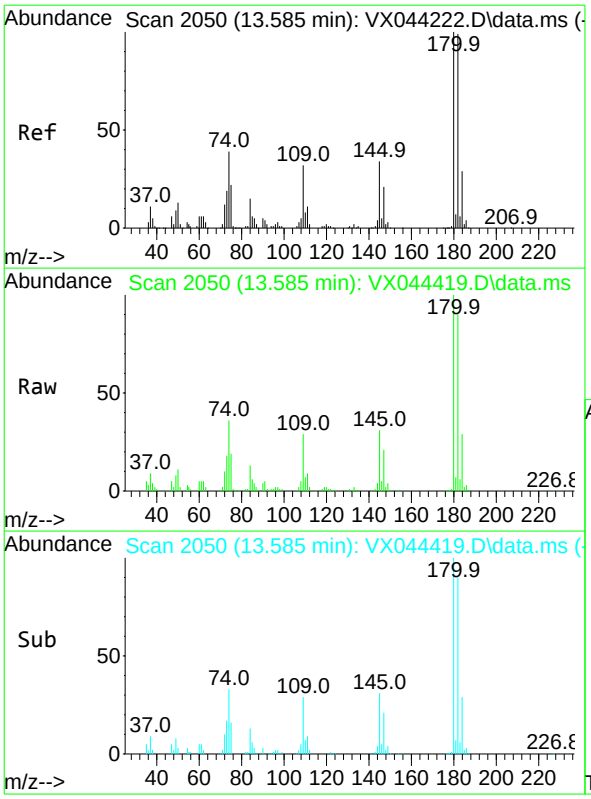



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.364 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion: 75 Resp: 22216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.9 | 38.1 | 114.3 |
| 157 | 109.0 | 47.2 | 141.6 |

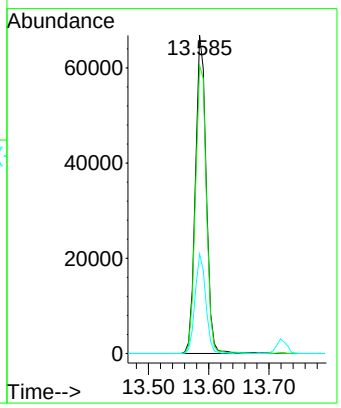





#93
1,2,4-Trichlorobenzene
Concen: 52.638 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:180 Resp: 83037

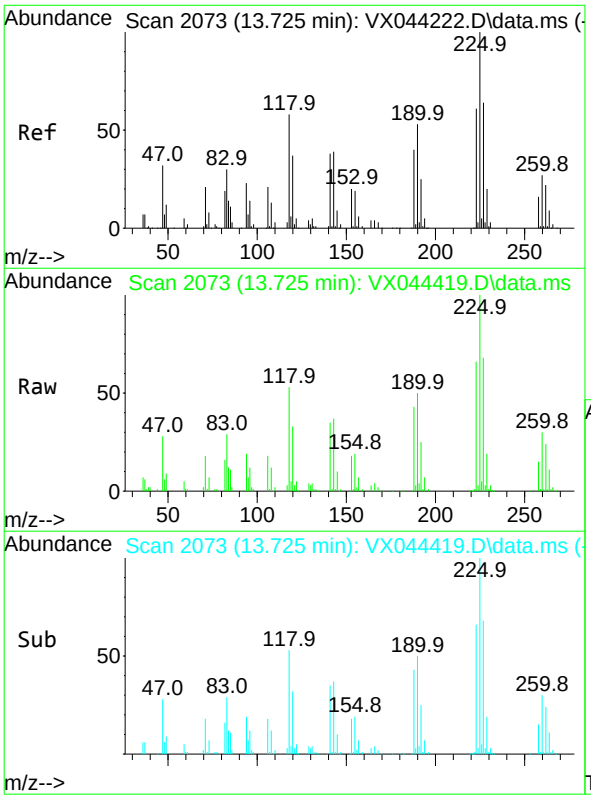
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.4 | 48.0 | 144.2 |
| 145 | 30.9 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

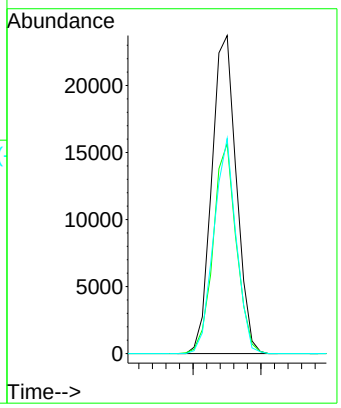
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

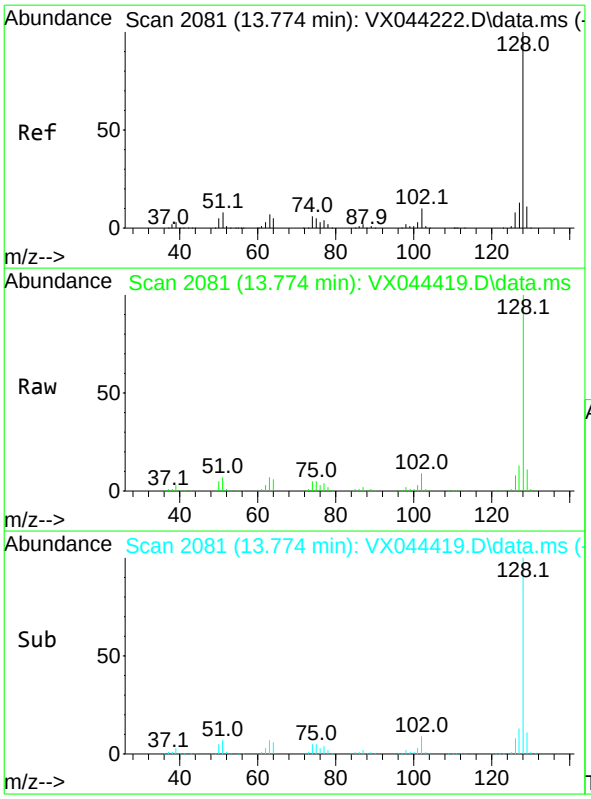



#94
Hexachlorobutadiene
Concen: 47.098 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:225 Resp: 29885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 30.8 | 92.4 |
| 227 | 61.8 | 32.1 | 96.3 |

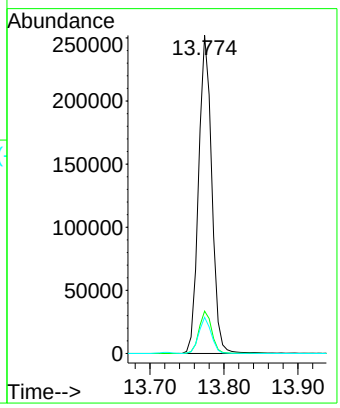





#95
Naphthalene
Concen: 50.581 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:128 Resp: 311462

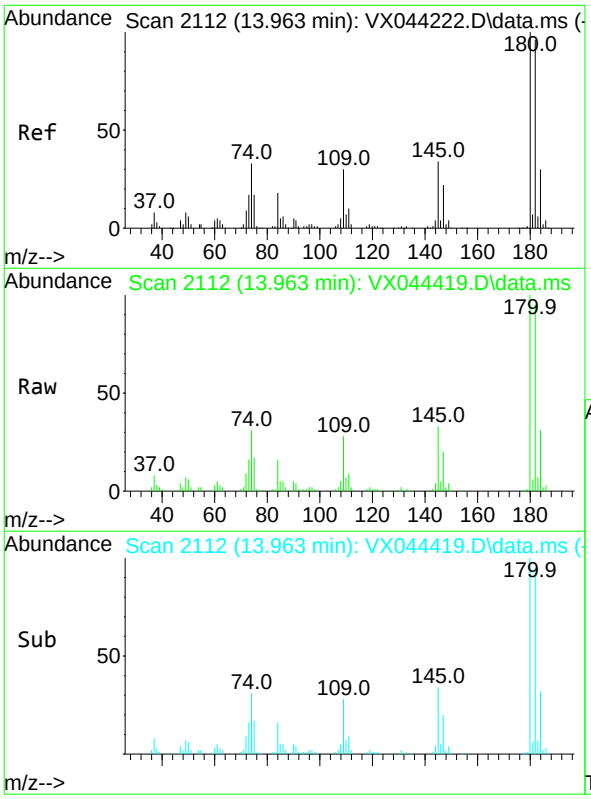
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

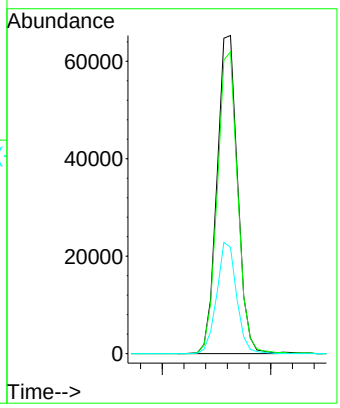
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024




#96
1,2,3-Trichlorobenzene
Concen: 51.233 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14

Tgt Ion:180 Resp: 85722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 48.0 | 144.0 |
| 145 | 33.7 | 17.7 | 53.1 |



Evaluate Continuing Calibration Report

Sample Results: **VX044419.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.773 | 0.726 | 6.1 | 90 | 0.00 |
| 3 | P | Chloromethane | 0.739 | 0.772 | -4.5 | 100 | 0.00 |
| 4 | C | Vinyl Chloride | 0.770 | 0.787 | -2.2# | 98 | 0.00 |
| 5 | T | Bromomethane | 0.546 | 0.550 | -0.7 | 98 | 0.00 |
| 6 | T | Chloroethane | 0.480 | 0.563 | -17.3 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.508 | 1.206 | 20.0 | 77 | 0.00 |
| 8 | T | Diethyl Ether | 0.515 | 0.502 | 2.5 | 96 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.523 | 14.3 | 83 | 0.00 |
| 10 | T | Methyl Iodide | 0.804 | 0.869 | -8.1 | 100 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.130 | -4.8 | 106 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.578 | -3.2# | 95 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.205 | -14.5 | 109 | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.922 | 1.2 | 89 | 0.00 |
| 15 | T | Acrylonitrile | 0.342 | 0.368 | -7.6 | 101 | 0.00 |
| 16 | T | Acetone | 0.357 | 0.336 | 5.9 | 86 | 0.00 |
| 17 | T | Carbon Disulfide | 1.065 | 1.140 | -7.0 | 97 | 0.00 |
| 18 | T | Methyl Acetate | 0.922 | 0.957 | -3.8 | 98 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.187 | 2.245 | -2.7 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 0.671 | 0.712 | -6.1 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.598 | -0.3 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 2.102 | 2.147 | -2.1 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 1.709 | 1.899 | -11.1 | 97 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.172 | 1.226 | -4.6 | 96 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.510 | -0.4 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.952 | 0.518 | 45.6# | 49# | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.756 | 0.755 | 0.1 | 96 | 0.00 |
| 28 | T | Bromochloromethane | 0.575 | 0.579 | -0.7 | 96 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.332 | -1.8 | 96 | 0.00 |
| 30 | C | Chloroform | 1.316 | 1.295 | 1.6# | 94 | 0.00 |
| 31 | T | Cyclohexane | 0.946 | 0.810 | 14.4 | 81 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.093 | 1.063 | 2.7 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.877 | 0.848 | 3.3 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.362 | -4.6 | 93 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.448 | 0.419 | 6.5 | 88 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.578 | -4.5 | 93 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.482 | 0.467 | 3.1 | 87 | 0.00 |
| 39 | T | Methylcyclohexane | 0.535 | 0.445 | 16.8 | 75 | 0.00 |
| 40 | TM | Benzene | 1.359 | 1.429 | -5.2 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.313 | -6.5 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.560 | 0.575 | -2.7 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.930 | -7.5 | 95 | 0.00 |
| 44 | TM | Trichloroethene | 0.339 | 0.345 | -1.8 | 93 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.347 | 0.365 | -5.2# | 96 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.287 | -6.7 | 94 | 0.00 |
| 47 | T | Bromodichloromethane | 0.465 | 0.507 | -9.0 | 94 | 0.00 |
| 48 | T | Methyl methacrylate | 0.420 | 0.428 | -1.9 | 90 | 0.00 |

Sample Results: **VX044419.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.006 | 14.3 | 80 | 0.00 |
| 50 | S | Toluene-d8 | 1.168 | 1.160 | 0.7 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.556 | 0.581 | -4.5 | 93 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.839 | 1.6# | 90 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.455 | 0.461 | -1.3 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.507 | 0.509 | -0.4 | 84 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.339 | 0.362 | -6.8 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.535 | 0.572 | -6.9 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.616 | -4.4 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.255 | 5.6 | 82 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.424 | -5.2 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 0.326 | 0.365 | -12.0 | 93 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.373 | -8.1 | 95 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.408 | 0.396 | 2.9 | 84 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 0.332 | 0.307 | 7.5 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.058 | 1.2 | 90 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.344 | 0.375 | -9.0 | 92 | 0.00 |
| 67 | C | Ethyl Benzene | 1.851 | 1.801 | 2.7# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.675 | 0.6 | 88 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.679 | 1.2 | 89 | 0.00 |
| 70 | T | Styrene | 1.102 | 1.142 | -3.6 | 91 | 0.00 |
| 71 | P | Bromoform | 0.219 | 0.254 | -16.0 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 3.828 | 3.679 | 3.9 | 84 | 0.00 |
| 74 | T | N-amyl acetate | 1.769 | 1.946 | -10.0 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.329 | 1.400 | -5.3 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.116 | 1.144 | -2.5 | 91 | 0.00 |
| 77 | T | Bromobenzene | 0.928 | 0.950 | -2.4 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 4.231 | 4.113 | 2.8 | 82 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.736 | 2.583 | 5.6 | 84 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.174 | 3.084 | 2.8 | 84 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.347 | 0.308 | 11.2 | 75 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.030 | 2.947 | 2.7 | 85 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.137 | 3.071 | 2.1 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.117 | 3.100 | 0.5 | 85 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.808 | 3.611 | 5.2 | 81 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.170 | 3.015 | 4.9 | 81 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.621 | 1.642 | -1.3 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.638 | 1.7 | 88 | 0.00 |
| 89 | T | n-Butylbenzene | 2.665 | 2.508 | 5.9 | 79 | 0.00 |
| 90 | T | Hexachloroethane | 0.463 | 0.472 | -1.9 | 84 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.704 | -1.2 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.260 | -0.8 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.923 | 0.972 | -5.3 | 89 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.371 | 0.350 | 5.7 | 85 | 0.00 |
| 95 | T | Naphthalene | 3.603 | 3.645 | -1.2 | 85 | 0.00 |

Sample Results: **VX044419.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.979 | 1.003 | -2.5 | 88 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044419.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.955 | 6.1 | 90 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.180 | -4.4 | 100 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.081 | -2.2# | 98 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 50.285 | -0.6 | 98 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 58.732 | -17.5 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 39.974 | 20.1 | 77 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.751 | 2.5 | 96 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 42.827 | 14.3 | 83 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 54.052 | -8.1 | 100 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 263.745 | -5.5 | 106 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.604 | -3.2# | 95 | 0.00 |
| 13 | T | Acrolein | 250.000 | 287.020 | -14.8 | 109 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.398 | 1.2 | 89 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 269.056 | -7.6 | 101 | 0.00 |
| 16 | T | Acetone | 250.000 | 235.213 | 5.9 | 86 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 53.502 | -7.0 | 97 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 51.949 | -3.9 | 98 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.323 | -2.6 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 53.006 | -6.0 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.186 | -0.4 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.065 | -2.1 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 277.841 | -11.1 | 97 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.331 | -4.7 | 96 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 251.145 | -0.5 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 27.229 | 45.5# | 49 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.930 | 0.1 | 96 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.366 | -0.7 | 96 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 254.175 | -1.7 | 96 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.178 | 1.6# | 94 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 42.827 | 14.3 | 81 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.640 | 2.7 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.341 | 3.3 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.285 | -4.6 | 93 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.748 | 6.5 | 88 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.248 | -4.5 | 93 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.416 | 3.2 | 87 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 41.546 | 16.9 | 75 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.556 | -5.1 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.276 | -6.6 | 97 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.349 | -2.7 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.759 | -7.5 | 95 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.868 | -1.7 | 93 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.553 | -5.1# | 96 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.185 | -6.4 | 94 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.439 | -8.9 | 94 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.984 | -2.0 | 90 | 0.00 |

Sample Results: **VX044419.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 927.969 | 7.2 | 80 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.641 | 0.7 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 261.345 | -4.5 | 93 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.148 | 1.7# | 90 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 46.368 | 7.3 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.228 | -0.5 | 84 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.407 | -6.8 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.432 | -6.9 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.210 | -4.4 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 235.938 | 5.6 | 82 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 263.434 | -5.4 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.717 | -1.4 | 93 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.026 | -8.1 | 95 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.509 | 3.0 | 84 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.221 | 7.6 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.379 | 1.2 | 90 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.398 | -8.8 | 92 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 48.644 | 2.7# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.414 | 0.6 | 88 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.398 | 1.2 | 89 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.842 | -3.7 | 91 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.457 | -4.9 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.052 | 3.9 | 84 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 55.002 | -10.0 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.663 | -5.3 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.257 | -2.5 | 91 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.162 | -2.3 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.614 | 2.8 | 82 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.194 | 5.6 | 84 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.573 | 2.9 | 84 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 40.690 | 18.6 | 75 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.639 | 2.7 | 85 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.951 | 2.1 | 85 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.728 | 0.5 | 85 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 47.411 | 5.2 | 81 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 47.558 | 4.9 | 81 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.634 | -1.3 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.148 | 1.7 | 88 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.053 | 5.9 | 79 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.057 | -2.1 | 84 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.596 | -1.2 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.364 | -0.7 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.638 | -5.3 | 89 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.098 | 5.8 | 85 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.581 | -1.2 | 85 | 0.00 |

Sample Results: **VX044419.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.233 | -2.5 | 88 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044438.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/20/2024 09:16

Lab File ID: VX044438.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.773 | 0.854 | | 10.48 | 20 |
| Chloromethane | 0.739 | 0.782 | 0.1 | 5.82 | 20 |
| Vinyl Chloride | 0.770 | 0.798 | | 3.64 | 20 |
| Bromomethane | 0.546 | 0.532 | | -2.56 | 20 |
| Chloroethane | 0.480 | 0.473 | | -1.46 | 20 |
| Trichlorofluoromethane | 1.508 | 1.482 | | -1.72 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.610 | 0.676 | | 10.82 | 20 |
| 1,1-Dichloroethene | 0.560 | 0.624 | | 11.43 | 20 |
| Acetone | 0.357 | 0.291 | | -18.49 | 20 |
| Carbon Disulfide | 1.065 | 1.106 | | 3.85 | 20 |
| Methyl tert-butyl Ether | 2.187 | 2.093 | | -4.3 | 20 |
| Methyl Acetate | 0.922 | 0.896 | | -2.82 | 20 |
| Methylene Chloride | 0.671 | 0.689 | | 2.68 | 20 |
| trans-1,2-Dichloroethene | 0.596 | 0.625 | | 4.87 | 20 |
| 1,1-Dichloroethane | 1.172 | 1.203 | 0.1 | 2.64 | 20 |
| Cyclohexane | 0.946 | 1.000 | | 5.71 | 20 |
| 2-Butanone | 0.508 | 0.457 | | -10.04 | 20 |
| Carbon Tetrachloride | 0.482 | 0.533 | | 10.58 | 20 |
| cis-1,2-Dichloroethene | 0.756 | 0.755 | | -0.13 | 20 |
| Bromochloromethane | 0.575 | 0.553 | | -3.83 | 20 |
| Chloroform | 1.316 | 1.265 | | -3.88 | 20 |
| 1,1,1-Trichloroethane | 1.093 | 1.099 | | 0.55 | 20 |
| Methylcyclohexane | 0.535 | 0.648 | | 21.12 | 20 |
| Benzene | 1.359 | 1.529 | | 12.51 | 20 |
| 1,2-Dichloroethane | 0.560 | 0.586 | | 4.64 | 20 |
| Trichloroethene | 0.339 | 0.388 | | 14.45 | 20 |
| 1,2-Dichloropropane | 0.347 | 0.369 | | 6.34 | 20 |
| Bromodichloromethane | 0.465 | 0.525 | | 12.9 | 20 |
| 4-Methyl-2-Pentanone | 0.556 | 0.573 | | 3.06 | 20 |
| Toluene | 0.853 | 0.924 | | 8.32 | 20 |
| t-1,3-Dichloropropene | 0.455 | 0.517 | | 13.63 | 20 |
| cis-1,3-Dichloropropene | 0.507 | 0.577 | | 13.81 | 20 |
| 1,1,2-Trichloroethane | 0.339 | 0.374 | | 10.32 | 20 |
| 2-Hexanone | 0.403 | 0.414 | | 2.73 | 20 |
| Dibromochloromethane | 0.326 | 0.381 | | 16.87 | 20 |
| 1,2-Dibromoethane | 0.345 | 0.385 | | 11.59 | 20 |
| Tetrachloroethene | 0.332 | 0.378 | | 13.85 | 20 |
| Chlorobenzene | 1.071 | 1.187 | 0.3 | 10.83 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044438.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/20/2024 09:16

Lab File ID: VX044438.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 2.034 | | 9.89 | 20 |
| m/p-Xylenes | 0.679 | 0.780 | | 14.88 | 20 |
| o-Xylene | 0.687 | 0.748 | | 8.88 | 20 |
| Styrene | 1.102 | 1.275 | | 15.7 | 20 |
| Bromoform | 0.219 | 0.266 | 0.1 | 21.46 | 20 |
| Isopropylbenzene | 3.828 | 4.095 | | 6.97 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.329 | 1.387 | 0.3 | 4.36 | 20 |
| 1,3-Dichlorobenzene | 1.621 | 1.811 | | 11.72 | 20 |
| 1,4-Dichlorobenzene | 1.667 | 1.781 | | 6.84 | 20 |
| 1,2-Dichlorobenzene | 1.684 | 1.820 | | 8.08 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.258 | 0.253 | | -1.94 | 20 |
| 1,2,4-Trichlorobenzene | 0.923 | 1.098 | | 18.96 | 20 |
| 1,2,3-Trichlorobenzene | 0.979 | 1.140 | | 16.44 | 20 |
| 1,2-Dichloroethane-d4 | 0.877 | 0.836 | | -4.68 | 20 |
| Dibromofluoromethane | 0.346 | 0.392 | | 13.3 | 20 |
| Toluene-d8 | 1.168 | 1.318 | | 12.84 | 20 |
| 4-Bromofluorobenzene | 0.408 | 0.454 | | 11.27 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 136445 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 226018 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 197543 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 95339 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 114063 | 47.679 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 95.360% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 88578 | 56.586 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 113.180% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 297779 | 56.385 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 112.780% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 102676 | 55.640 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 111.280% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 116500 | 55.219 | ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 106640 | 52.856 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 108930 | 51.825 | ug/l | 96 |
| 5) Bromomethane | 1.593 | 94 | 72530 | 48.640 | ug/l | 100 |
| 6) Chloroethane | 1.666 | 64 | 64589 | 49.350 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 202222 | 49.144 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 65414 | 46.573 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 92304 | 55.436 | ug/l | 97 |
| 10) Methyl Iodide | 2.441 | 142 | 117927 | 53.737 | ug/l | 96 |
| 11) Tert butyl alcohol | 2.995 | 59 | 69873 | 207.237 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 85110 | 55.650 | ug/l | 93 |
| 13) Acrolein | 2.239 | 56 | 105437 | 216.034 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 131432 | 51.595 | ug/l | 96 |
| 15) Acrylonitrile | 3.069 | 53 | 228880 | 245.064 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 198245 | 203.262 | ug/l | 97 |
| 17) Carbon Disulfide | 2.502 | 76 | 150886 | 51.902 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 122242 | 48.611 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 285547 | 47.845 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 94061 | 51.347 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 85292 | 52.474 | ug/l | 96 |
| 22) Diisopropyl ether | 3.764 | 45 | 281255 | 49.031 | ug/l | 95 |
| 23) Vinyl Acetate | 3.721 | 43 | 1209209 | 259.287 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 164103 | 51.322 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 312065 | 225.066 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 135023 | 51.979 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 103072 | 49.931 | ug/l | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 75463 | 48.128 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 202559 | 227.599 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 172568 | 48.035 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 136432 | 52.839 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 149993 | 50.298 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 111706 | 55.205 | ug/l | 98 |
| 37) Ethyl Acetate | 4.715 | 43 | 125607 | 50.217 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 120478 | 55.304 | ug/l | 96 |
| 39) Methylcyclohexane | 7.373 | 83 | 146379 | 60.512 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 345635 | 56.259 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 66821 | 50.310 ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 132516 | 52.362 ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 199677 | 51.076 ug/l | | 98 |
| 44) Trichloroethene | 7.117 | 130 | 87763 | 57.285 ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 83393 | 53.131 ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 67796 | 55.676 ug/l | | 95 |
| 47) Bromodichloromethane | 7.818 | 83 | 118614 | 56.402 ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 94040 | 49.554 ug/l | | 95 |
| 49) 1,4-Dioxane | 7.665 | 88 | 28510 | 906.120 ug/l | # | 82 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 647258 | 257.494 ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 208798 | 54.120 ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 116841 | 51.640 ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 130320 | 56.913 ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 84487 | 55.124 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 130175 | 53.800 ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 143590 | 53.824 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 307620 | 252.070 ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 467347 | 256.860 ug/l | | 97 |
| 60) Dibromochloromethane | 9.519 | 129 | 86207 | 52.901 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 86930 | 55.721 ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 74735 | 57.001 ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 234513 | 55.402 ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 77487 | 56.959 ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 401792 | 54.936 ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 308013 | 114.771 ug/l | | 94 |
| 69) o-Xylene | 10.640 | 106 | 147688 | 54.389 ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 251875 | 57.862 ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 52602 | 54.671 ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 390438 | 53.495 ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 171638 | 50.885 ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 132190 | 52.145 ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 107800m | 50.641 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 95489 | 53.953 ug/l | | 95 |
| 78) n-propylbenzene | 11.299 | 91 | 441589 | 54.741 ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 267690 | 51.311 ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 322510 | 53.284 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 35051 | 47.498 ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 305777 | 52.929 ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 320615 | 53.600 ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 327657 | 55.123 ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 399310 | 54.989 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 336593 | 55.691 ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 172628 | 55.839 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 169778 | 53.422 ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 292244 | 57.503 ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 50629 | 57.385 ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 173478 | 54.042 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 24124 | 49.022 ug/l | | 90 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 104720 | 59.504 ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 43140 | 60.942 ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 369385 | 53.772 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 108667 | 58.216 ug/l | | 99 |

Sample Results: **VX044438.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

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

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

Sample Results: **VX044438.D**

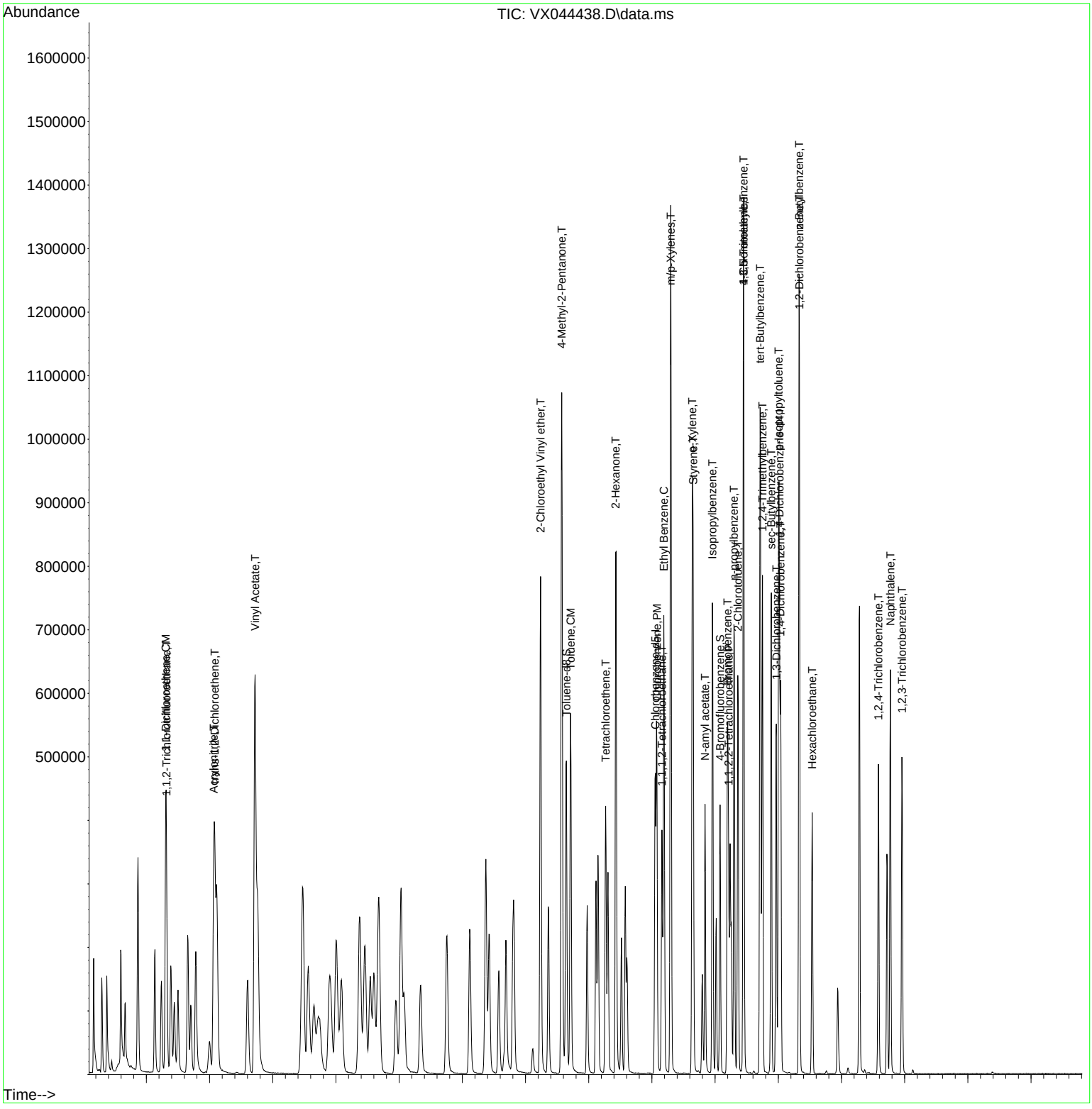
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

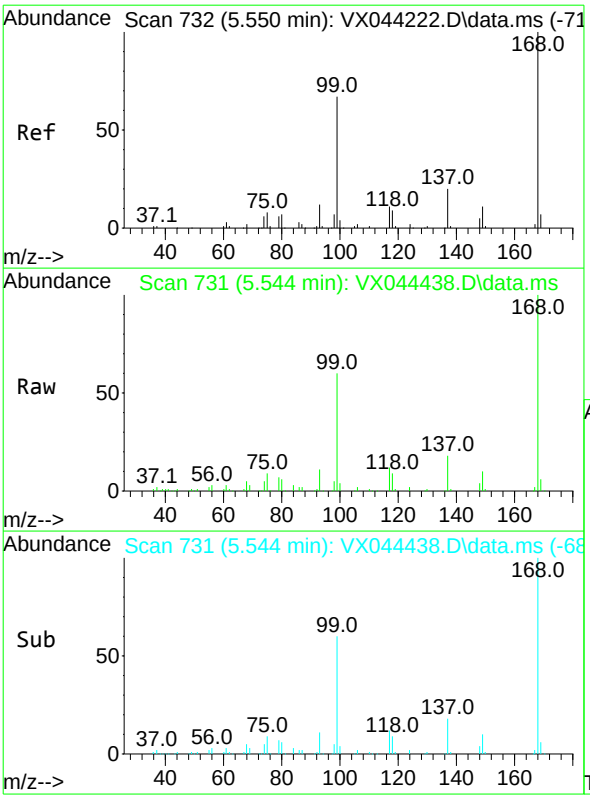
Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

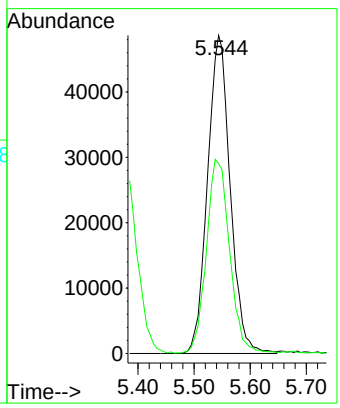





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:168 Resp: 136445

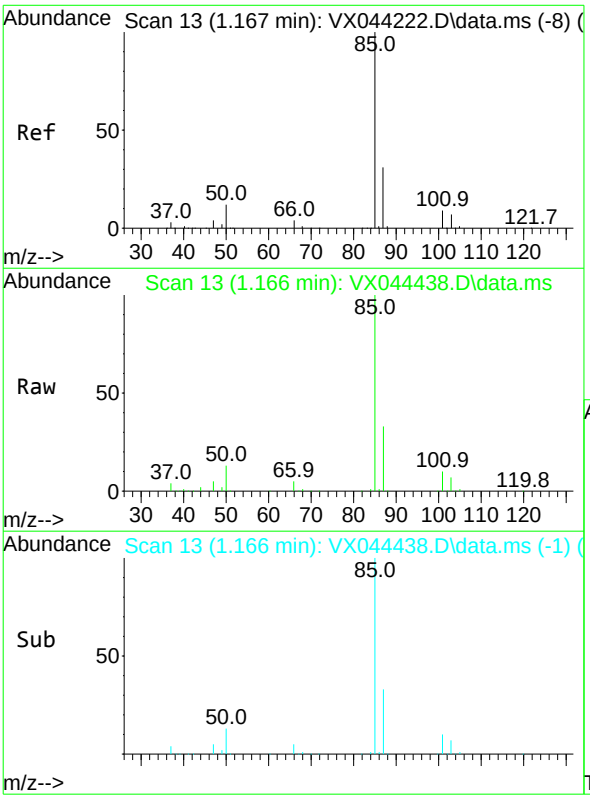
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.5 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

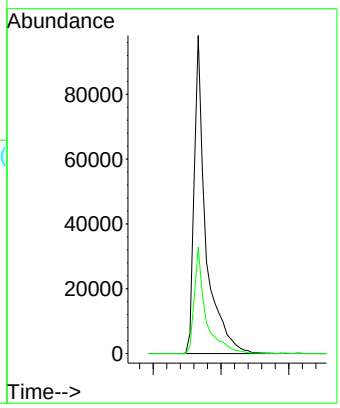
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

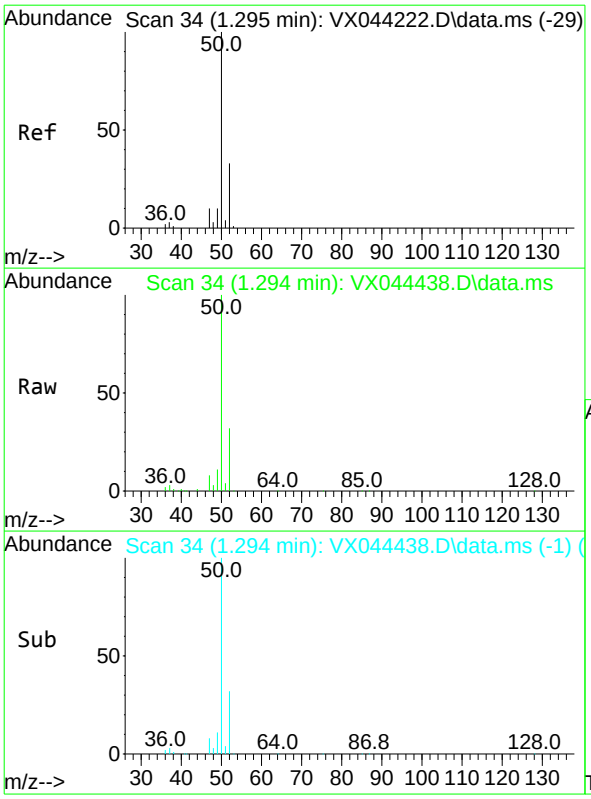



#2
Dichlorodifluoromethane
Concen: 55.219 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 85 Resp: 116500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.4 | 15.4 | 46.4 |

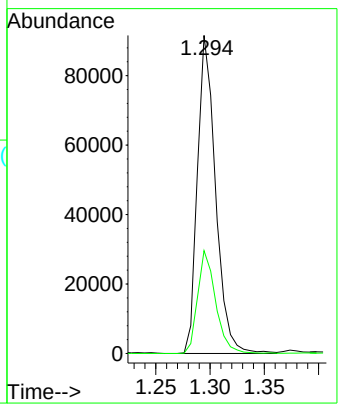





#3
Chloromethane
Concen: 52.856 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 50 Resp: 106640

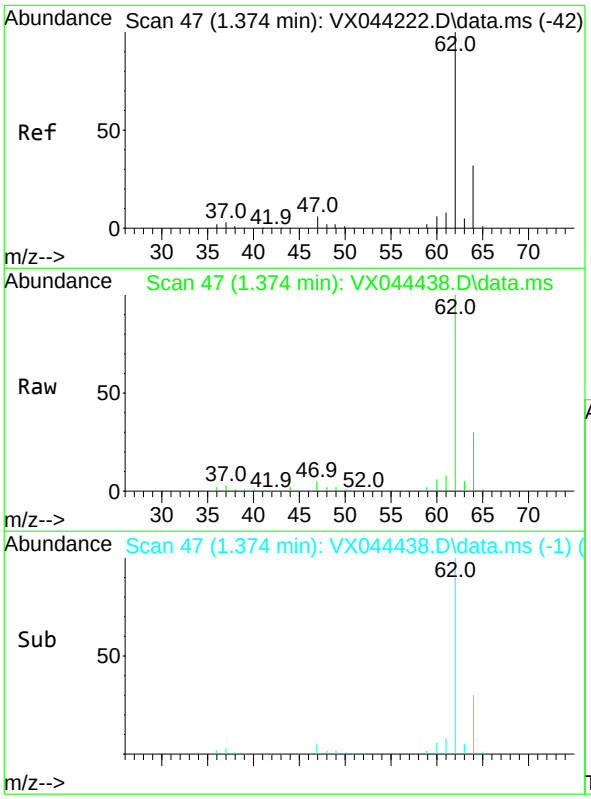
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

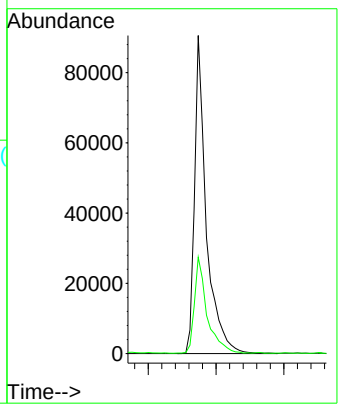
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

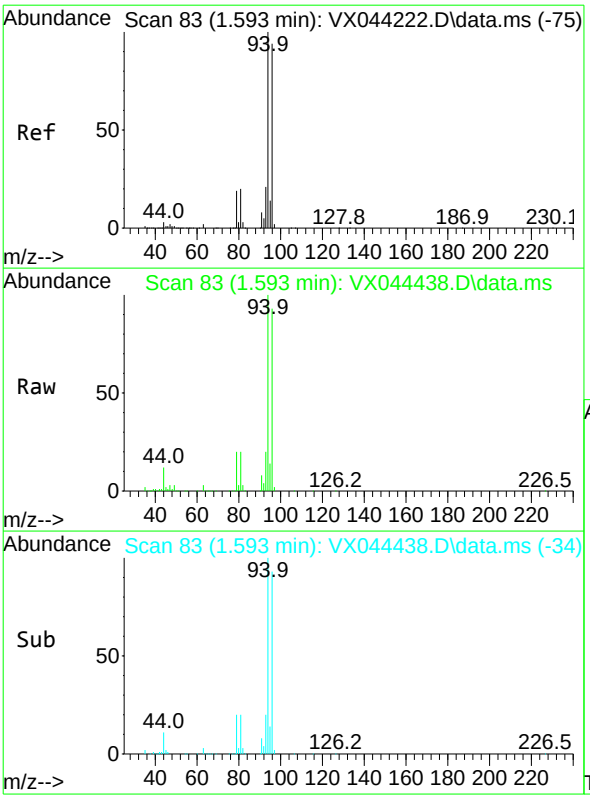



#4
Vinyl Chloride
Concen: 51.825 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 62 Resp: 108930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.1 | 25.7 | 38.5 |

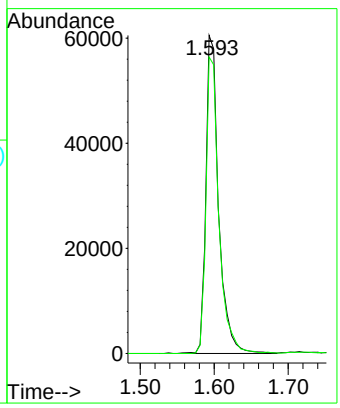





#5
Bromomethane
Concen: 48.640 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 94 Resp: 72530

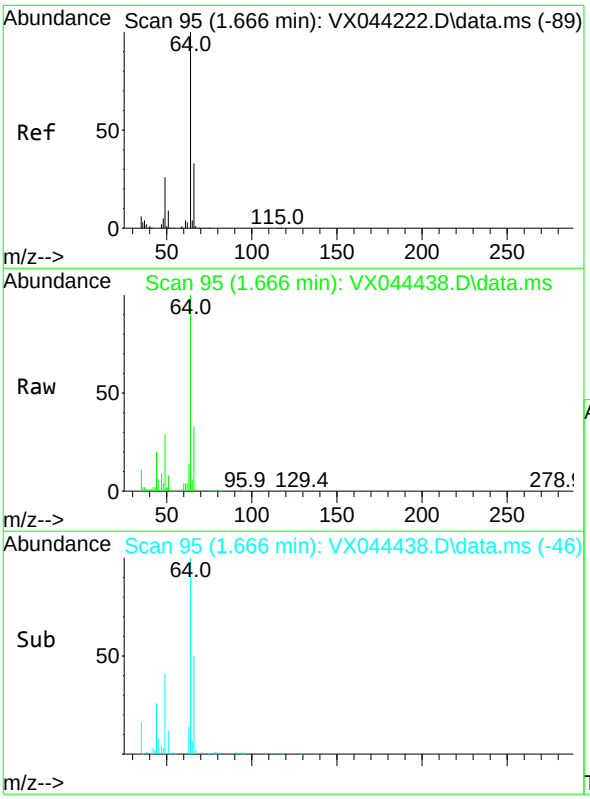
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.2 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

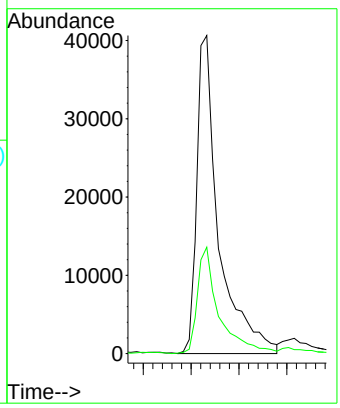
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

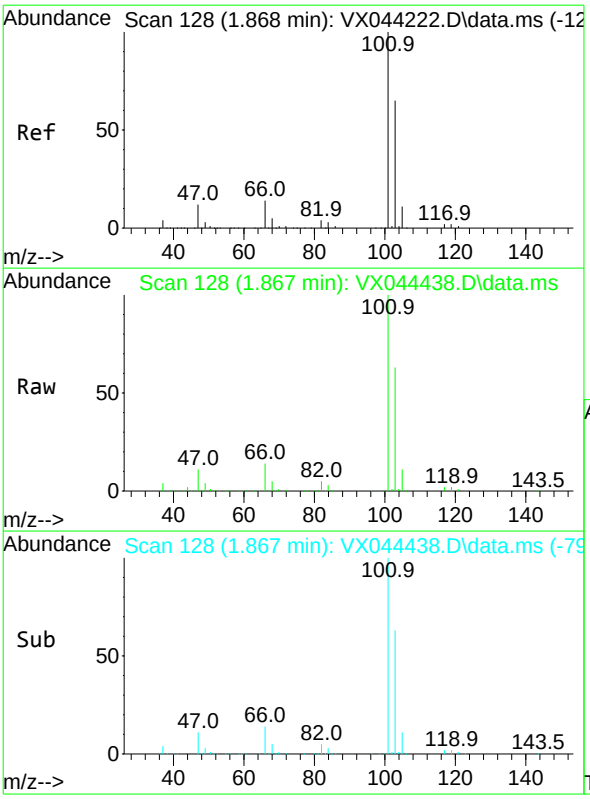



#6
Chloroethane
Concen: 49.350 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 64 Resp: 64589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.3 | 26.6 | 39.8 |

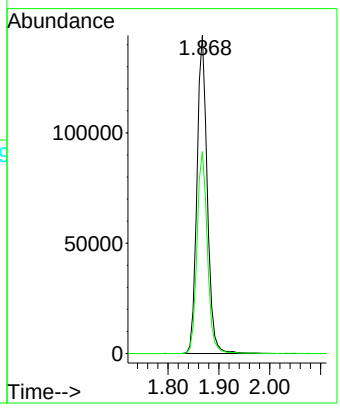





#7
Trichlorofluoromethane
Concen: 49.144 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:101 Resp: 202222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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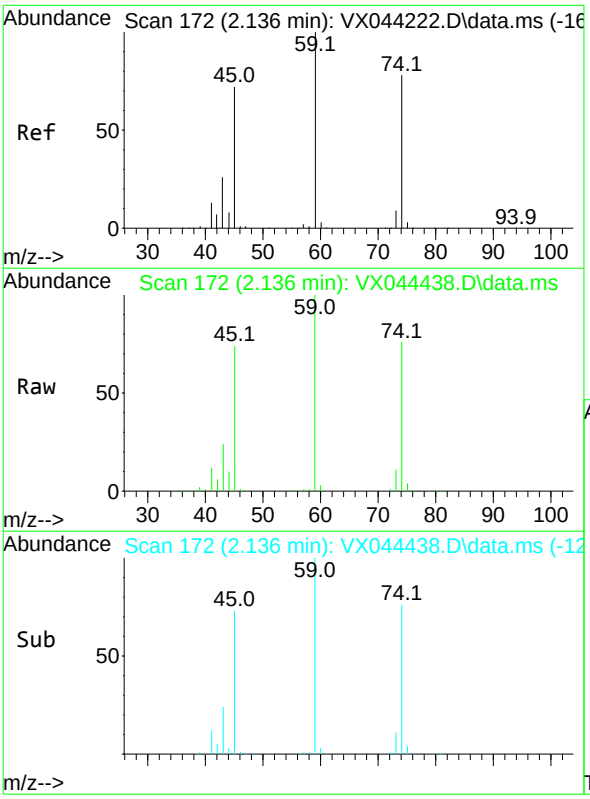
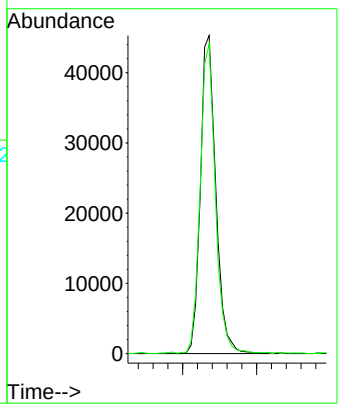
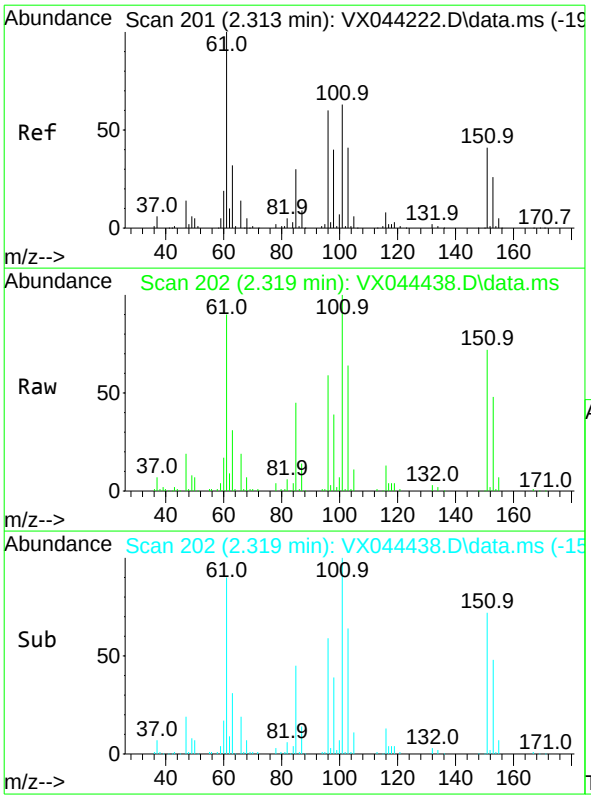



#8
Diethyl Ether
Concen: 46.573 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 74 Resp: 65414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.6 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.436 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:101 Resp: 92304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.0 | 38.5 | 57.7 |
| 151 | 72.5 | 55.8 | 83.6 |

**Instrument :**
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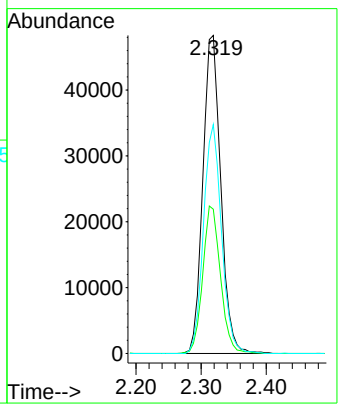
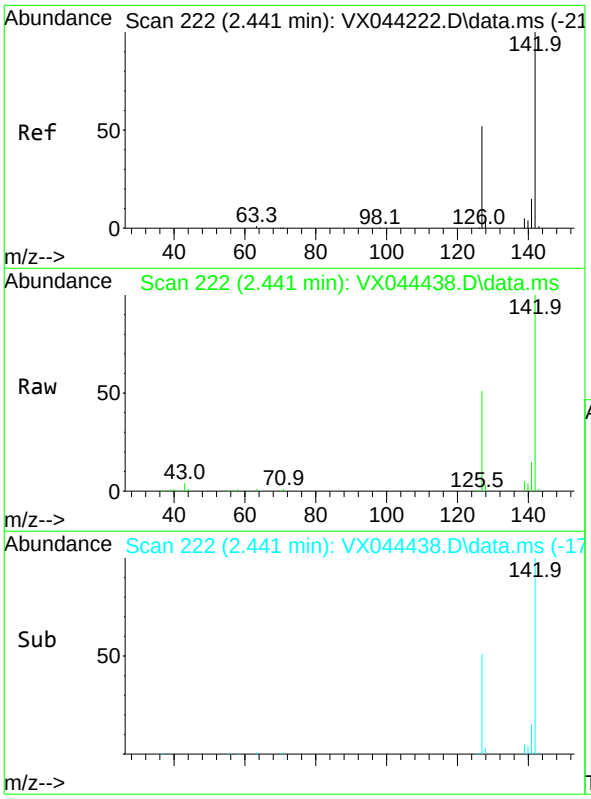
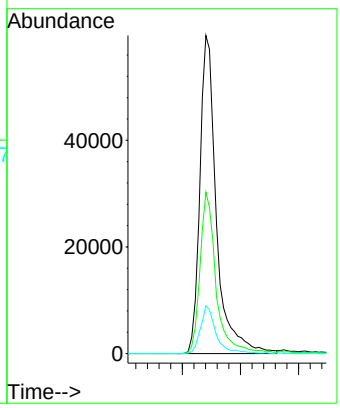


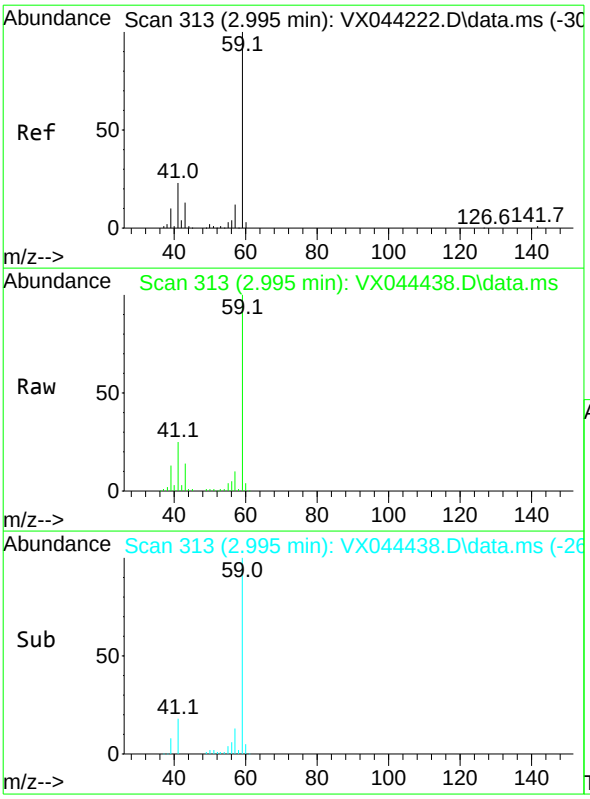




#10
Methyl Iodide
Concen: 53.737 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:142 Resp: 117927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.2 | 41.8 | 62.8 |
| 141 | 14.2 | 11.5 | 17.3 |

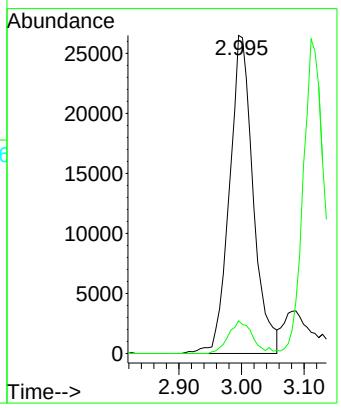





#11
Tert butyl alcohol
Concen: 207.237 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 59 Resp: 69873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.8 | 13.2 |

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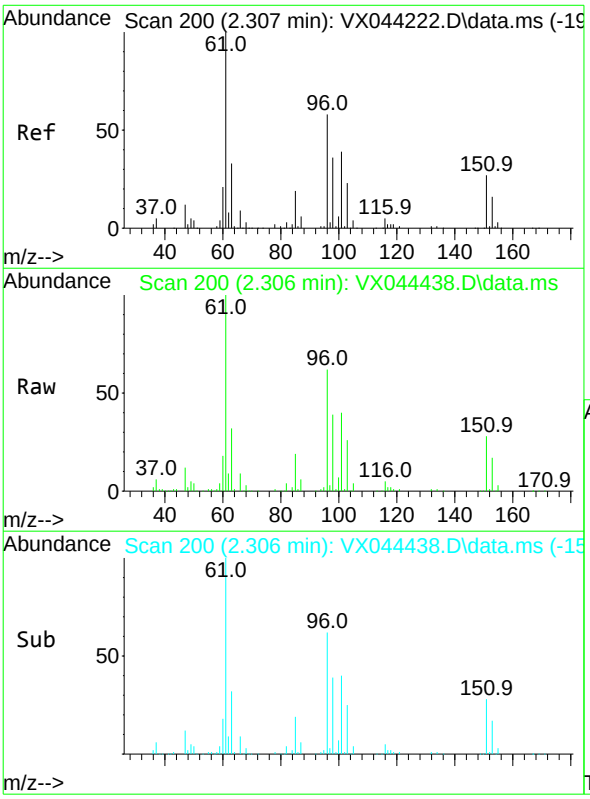
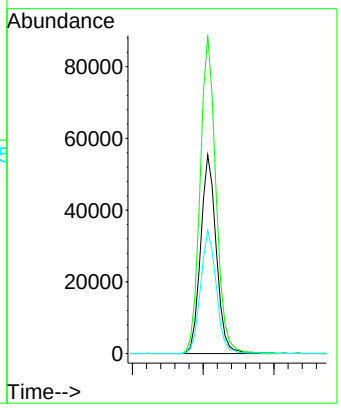
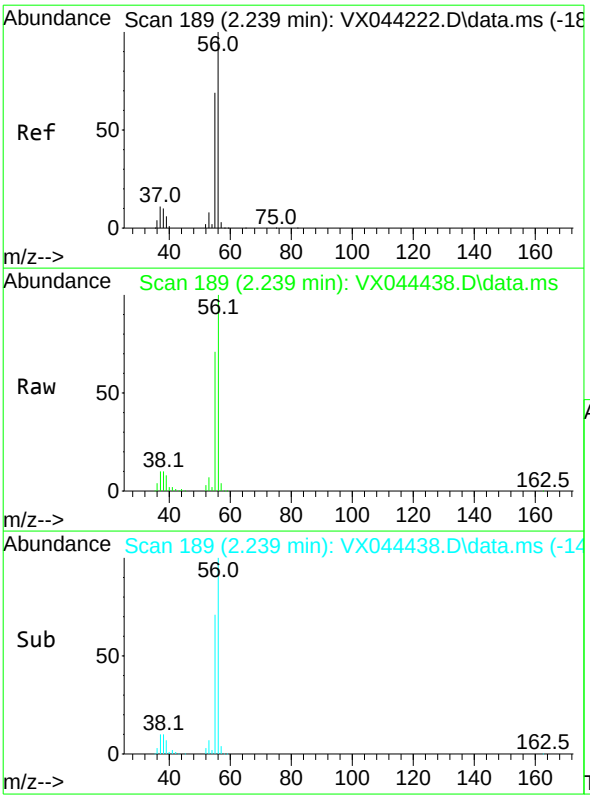



#12
1,1-Dichloroethene
Concen: 55.650 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 96 Resp: 85110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.0 | 138.0 | 207.0 |
| 98 | 62.0 | 50.0 | 75.0 |






#13
Acrolein
Concen: 216.034 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 56 Resp: 105437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.6 | 56.6 | 84.8 |

**Instrument :**
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VSTDCCC050

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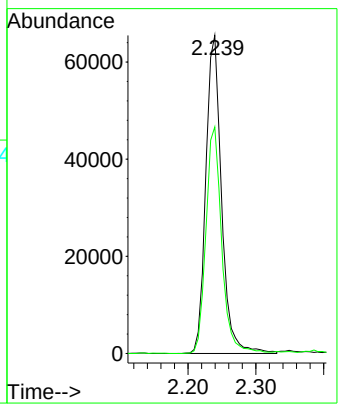
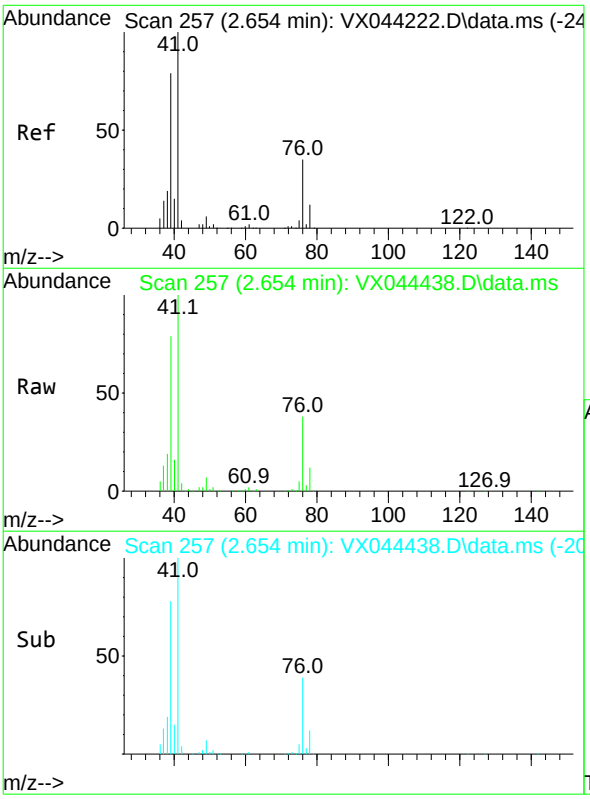
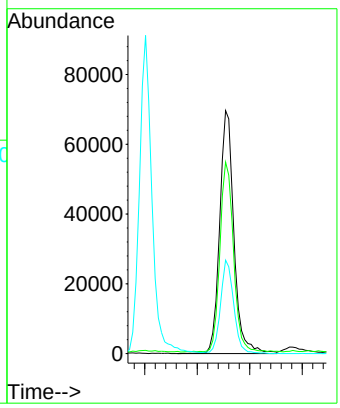


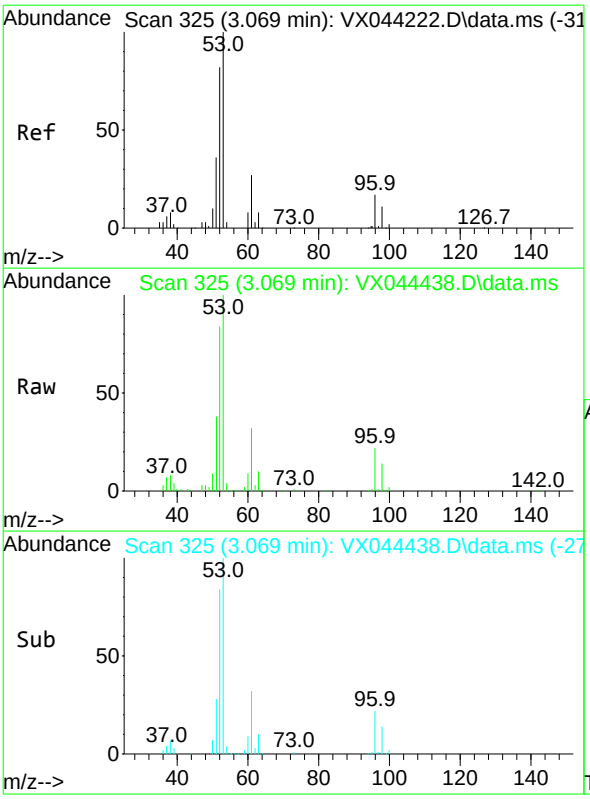




#14
Allyl chloride
Concen: 51.595 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 41 Resp: 131432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.8 | 61.9 | 92.9 |
| 76 | 35.5 | 27.4 | 41.2 |

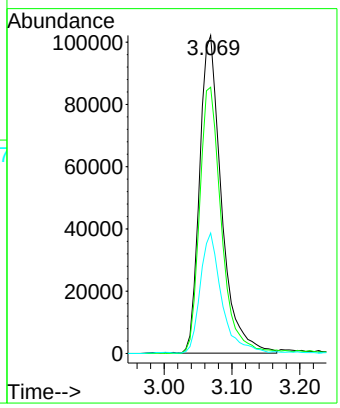





#15
Acrylonitrile
Concen: 245.064 ug/l
RT: 3.069 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 53 Resp: 228880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.6 | 67.4 | 101.0 |
| 51 | 37.1 | 30.3 | 45.5 |

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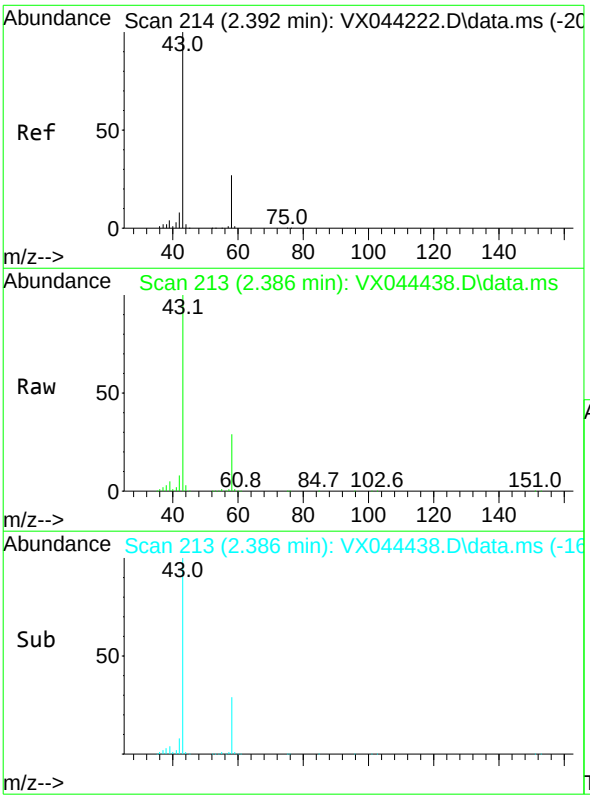
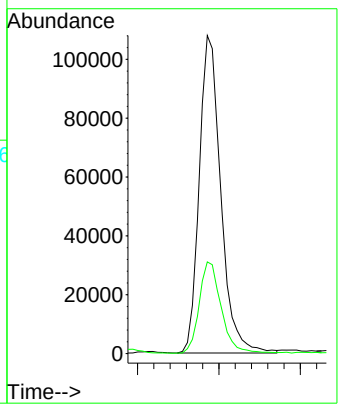
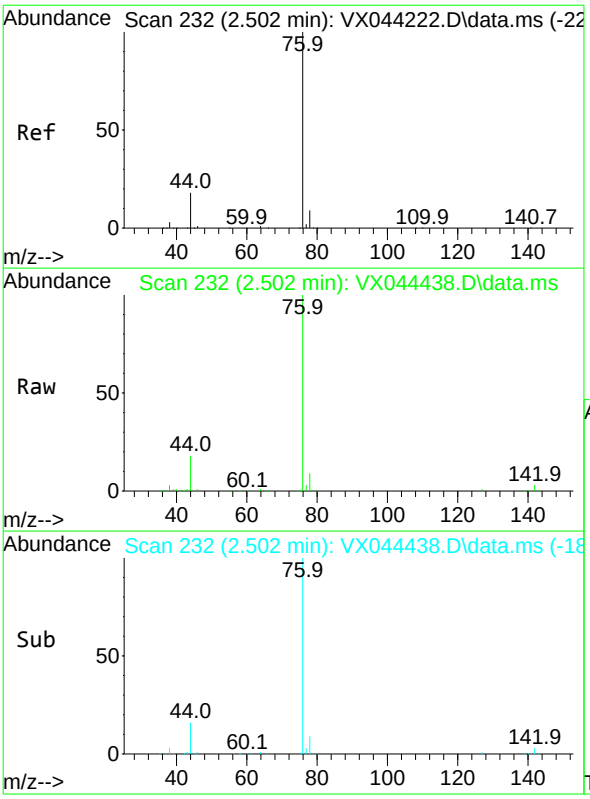



#16
Acetone
Concen: 203.262 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 198245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 21.6 | 32.4 |

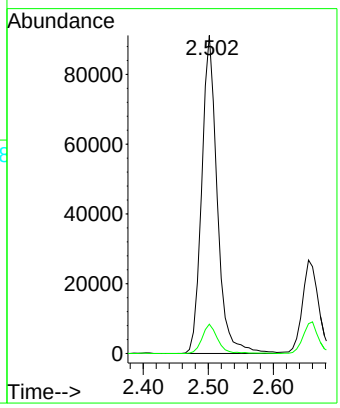





#17
Carbon Disulfide
Concen: 51.902 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 76 Resp: 150886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
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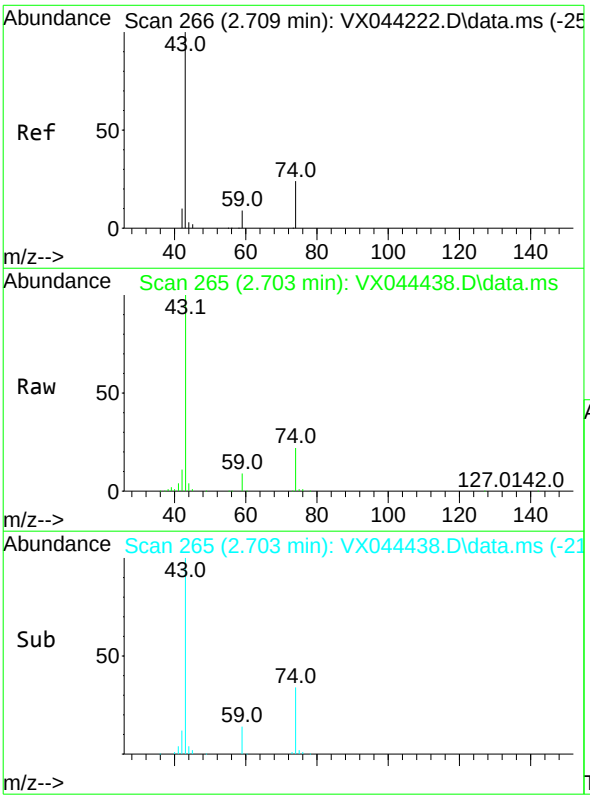
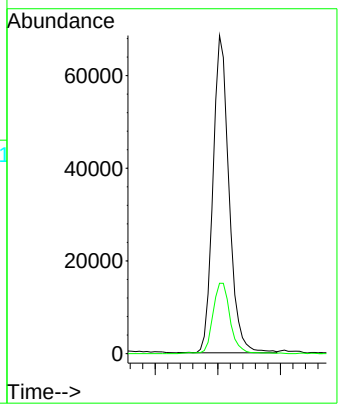
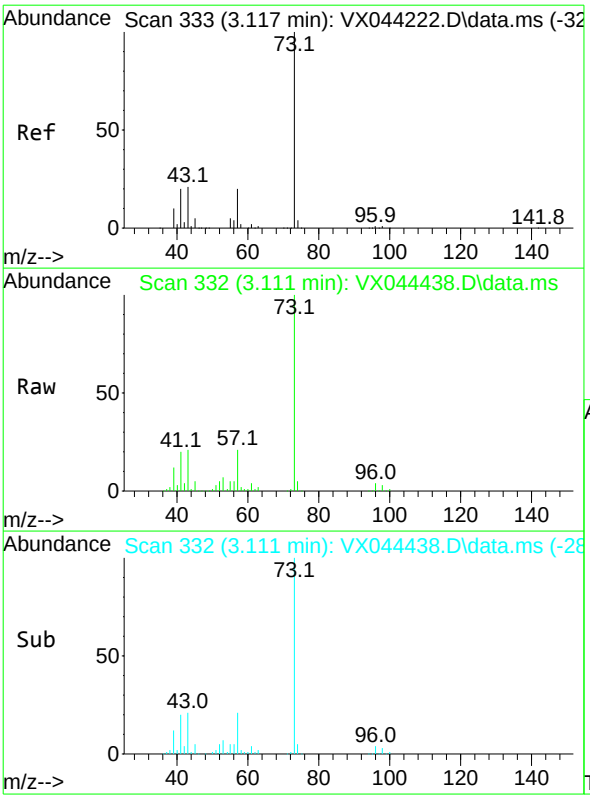



#18
Methyl Acetate
Concen: 48.611 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 122242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 17.7 | 26.5 |

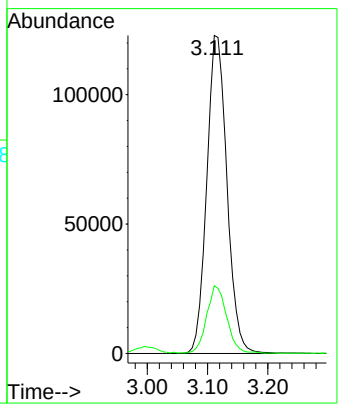





#19
Methyl tert-butyl Ether
Concen: 47.845 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 73 Resp: 285547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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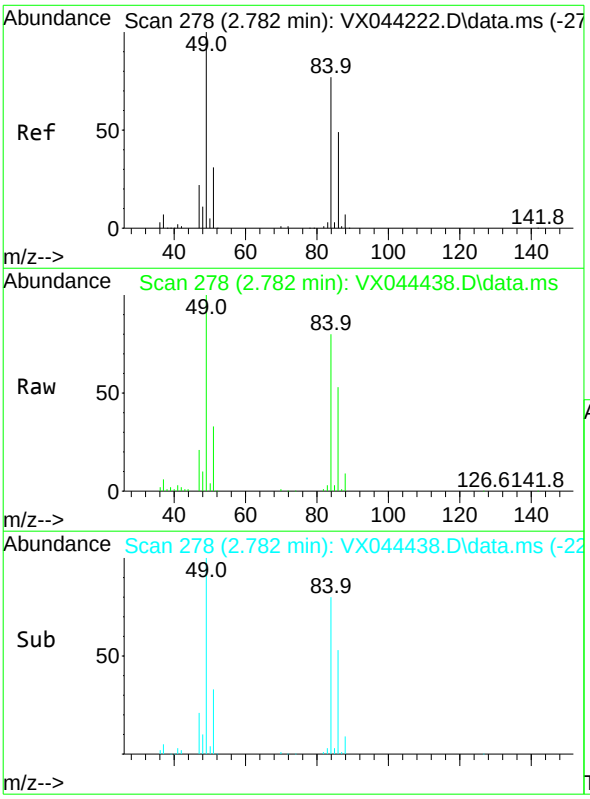
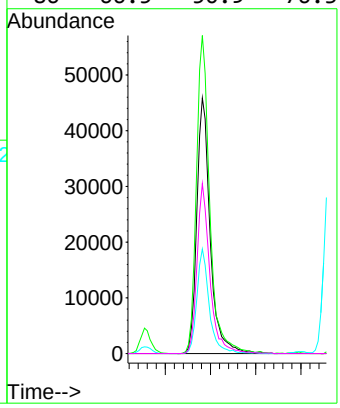
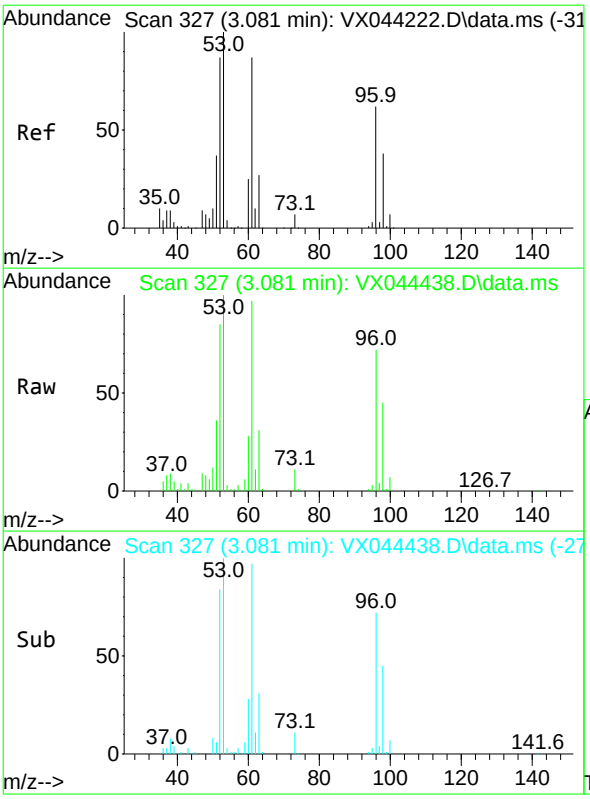



#20
Methylene Chloride
Concen: 51.347 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 84 Resp: 94061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.4 | 104.2 | 156.4 |
| 51 | 40.9 | 32.2 | 48.4 |
| 86 | 66.5 | 50.9 | 76.3 |






#21
trans-1,2-Dichloroethene
Concen: 52.474 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 96 Resp: 85292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.6 | 112.0 | 168.0 |
| 98 | 62.5 | 48.8 | 73.2 |

**Instrument :**
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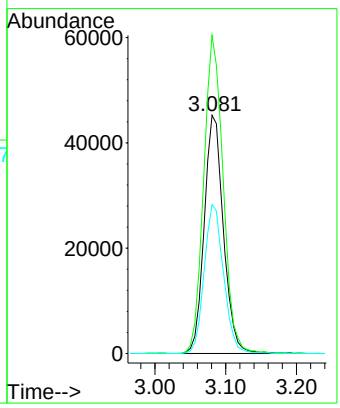
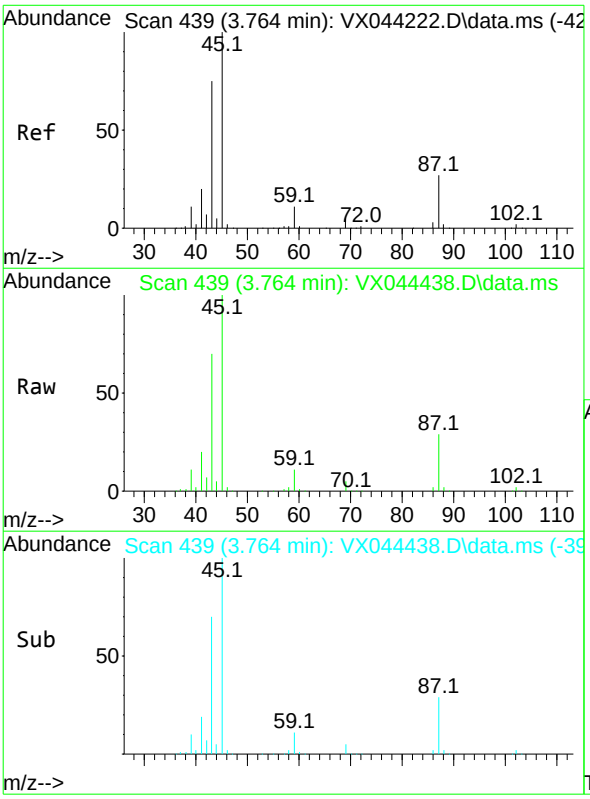
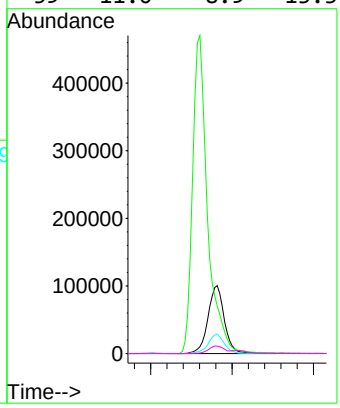


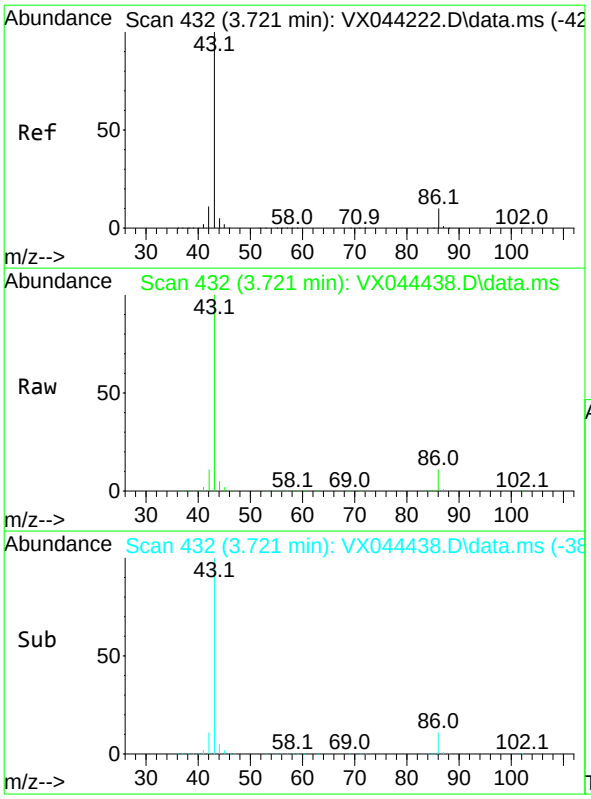




#22
Diisopropyl ether
Concen: 49.031 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 45 Resp: 281255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 69.9 | 60.2 | 90.2 |
| 87 | 28.8 | 21.2 | 31.8 |
| 59 | 11.0 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 259.287 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 1209209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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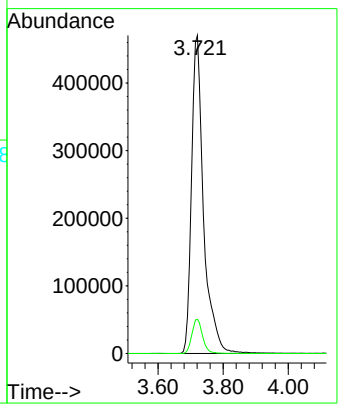
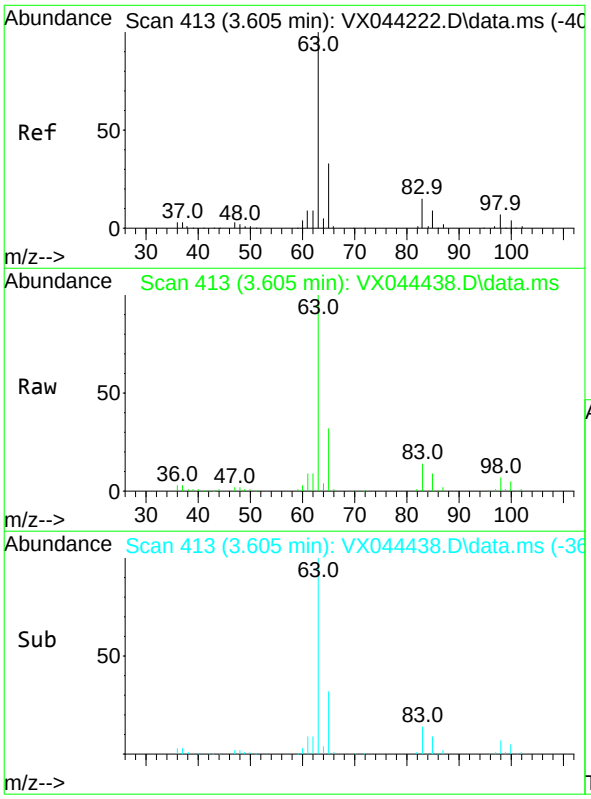
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

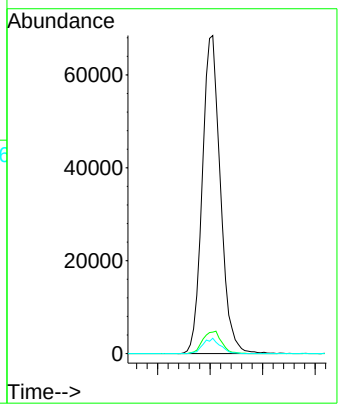


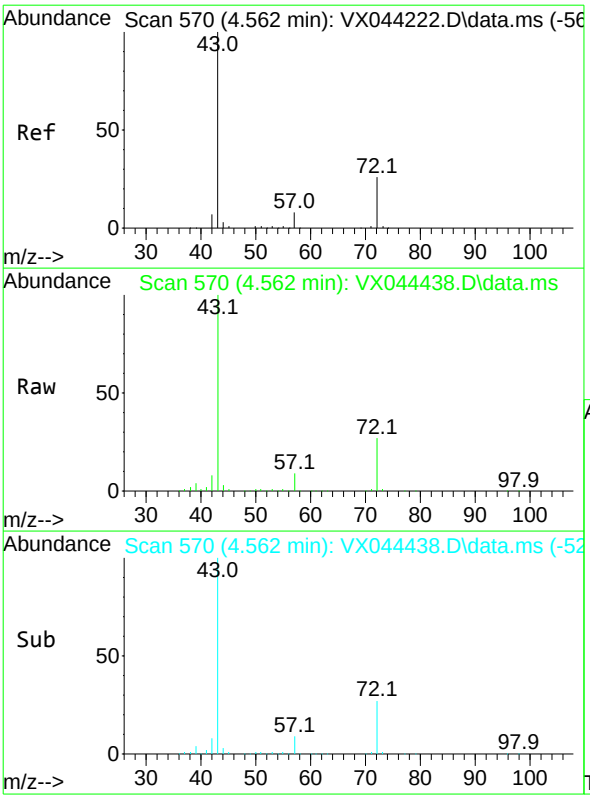




#24
1,1-Dichloroethane
Concen: 51.322 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 63 Resp: 164103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.7 | 3.6 | 10.8 |
| 100 | 4.8 | 2.1 | 6.3 |

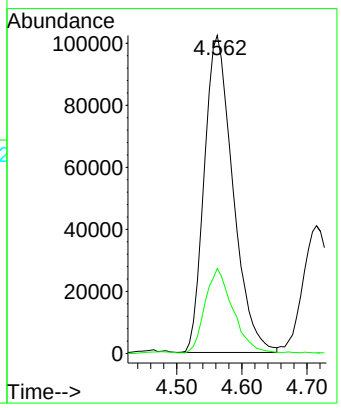





#25
2-Butanone
Concen: 225.066 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 312065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.6 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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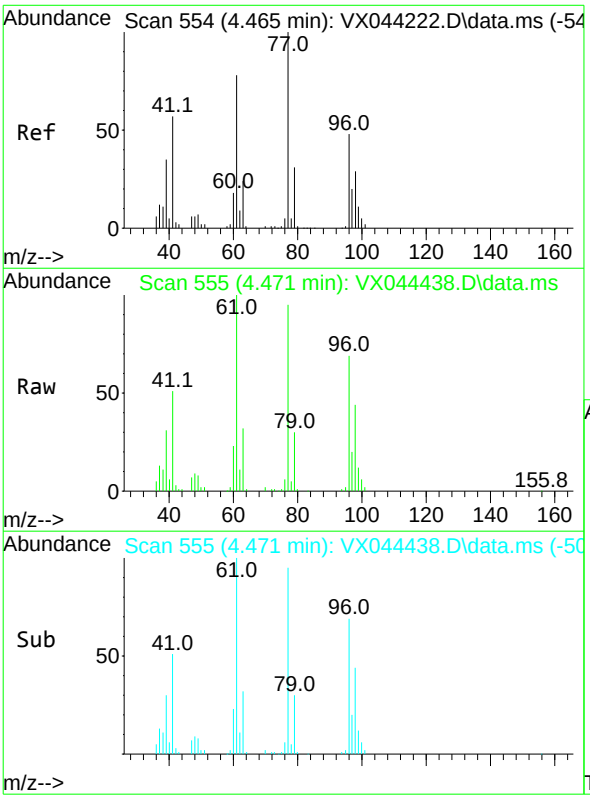
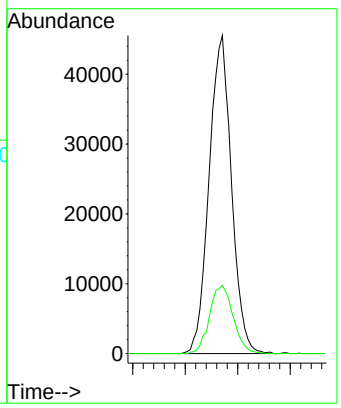
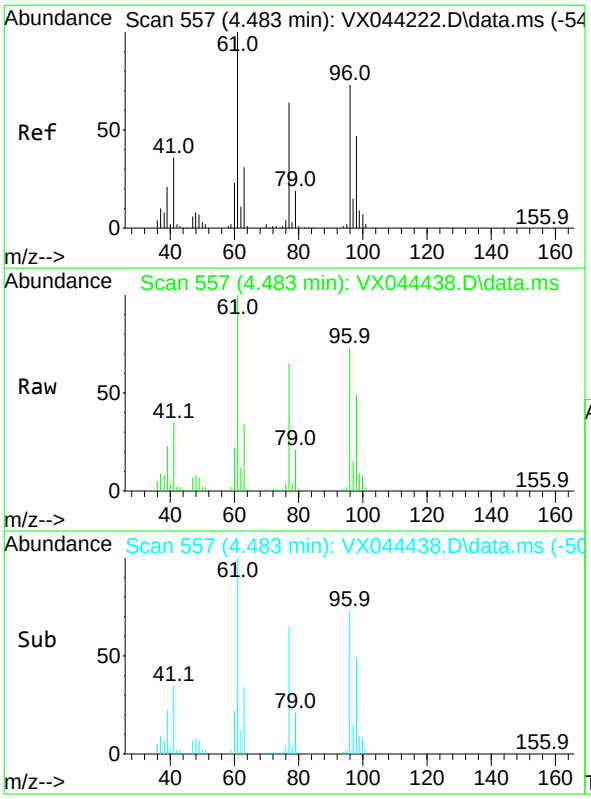



#26
2,2-Dichloropropane
Concen: 51.979 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 77 Resp: 135023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.6 | 10.7 | 32.1 |

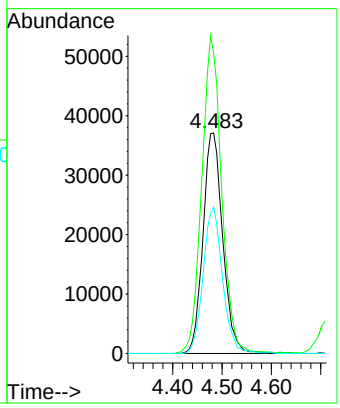





#27
cis-1,2-Dichloroethene
Concen: 49.931 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 96 Resp: 103072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.7 | 0.0 | 299.0 |
| 98 | 65.2 | 0.0 | 129.0 |




**Instrument :**
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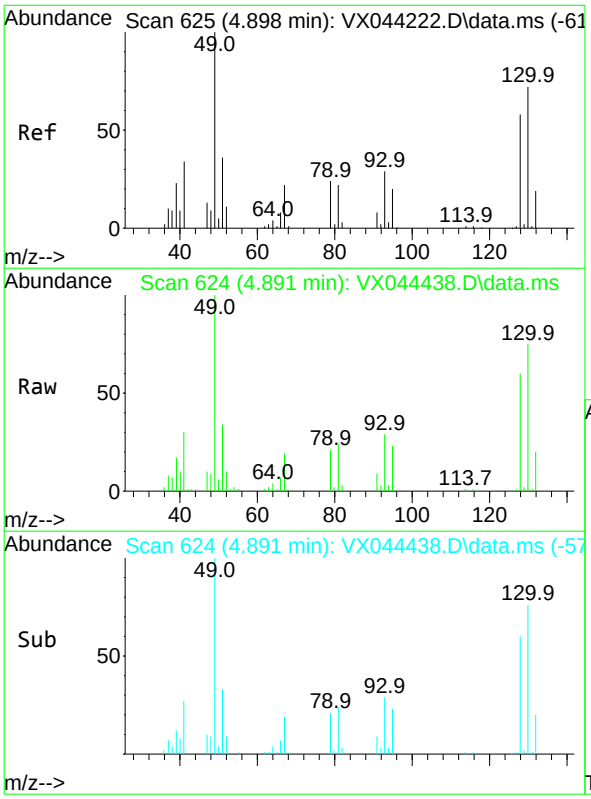
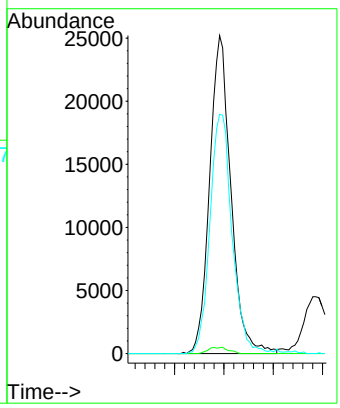
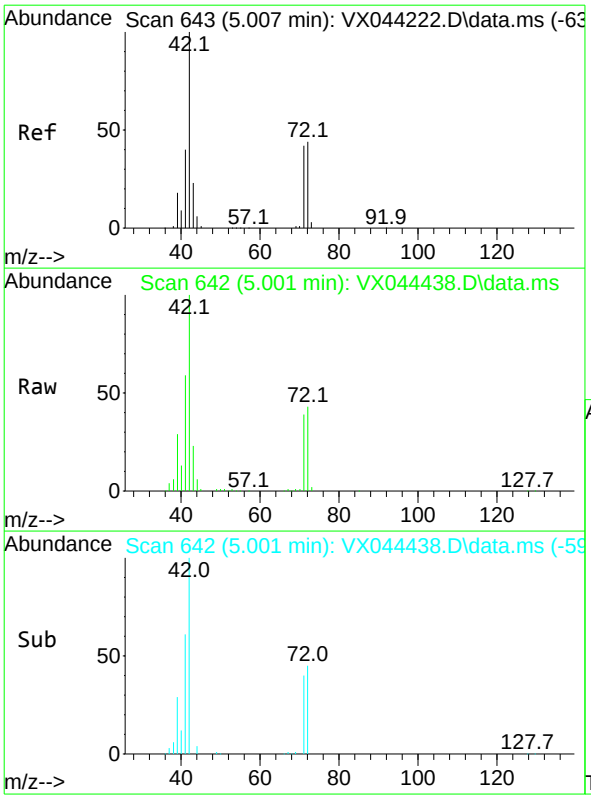



#28
Bromochloromethane
Concen: 48.128 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 49 Resp: 75463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.2 |
| 130 | 78.0 | 62.1 | 93.1 |

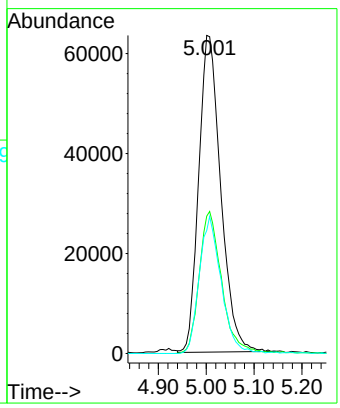





#29
Tetrahydrofuran
Concen: 227.599 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 42 Resp: 202559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.7 | 37.0 | 55.6 |
| 71 | 42.9 | 33.6 | 50.4 |




**Instrument :**
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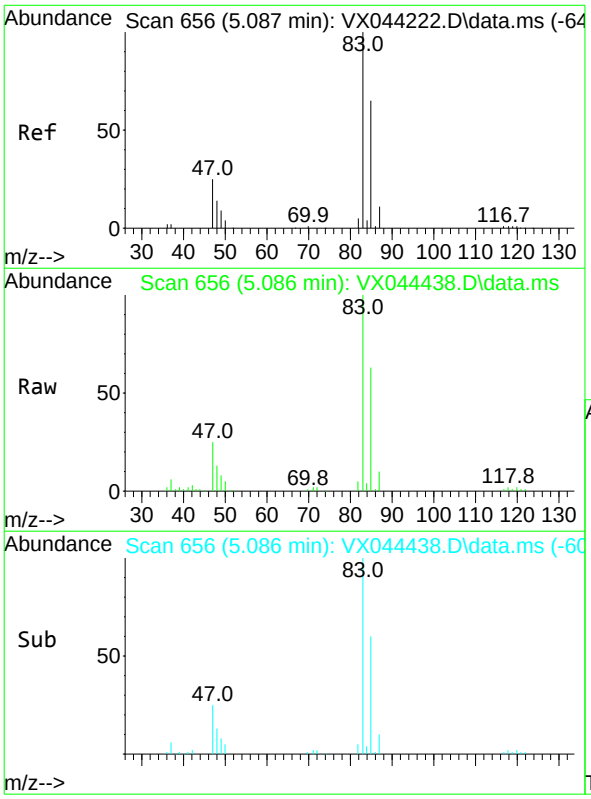
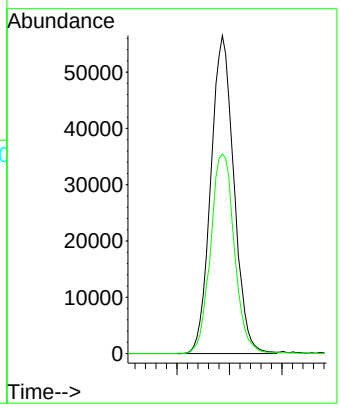
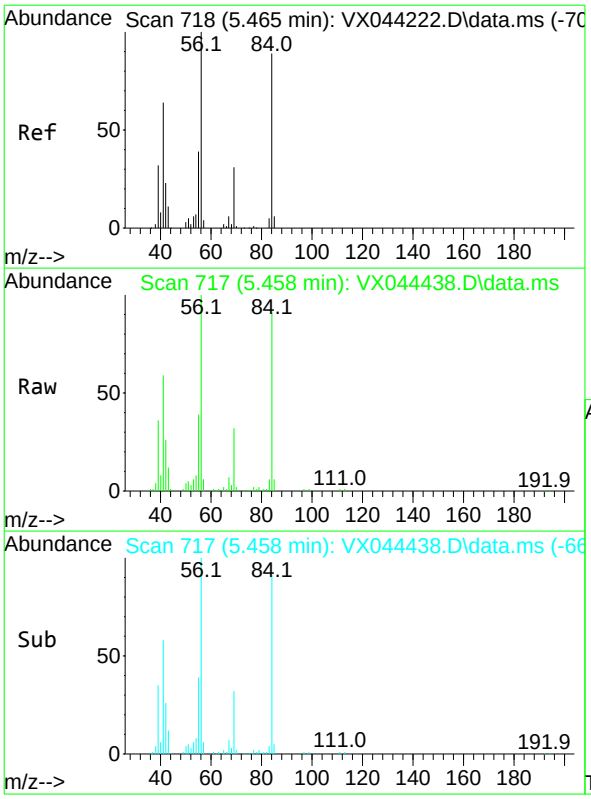



#30
Chloroform
Concen: 48.035 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 83 Resp: 172568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 52.839 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 56 Resp: 136432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.9 | 24.7 | 37.1 |
| 84 | 89.0 | 71.0 | 106.6 |

**Instrument :**
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VSTDCCC050

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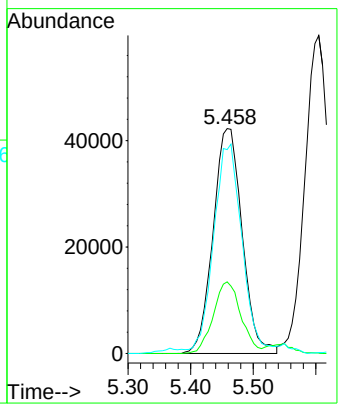
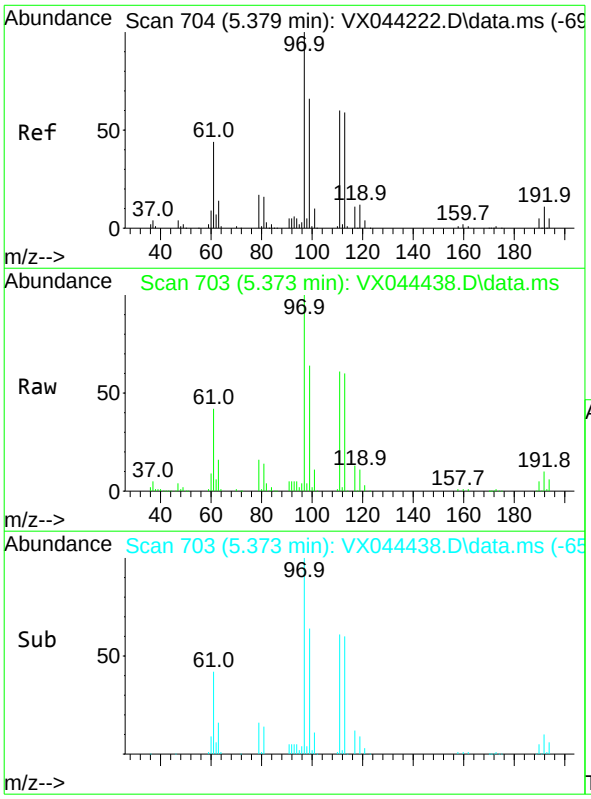
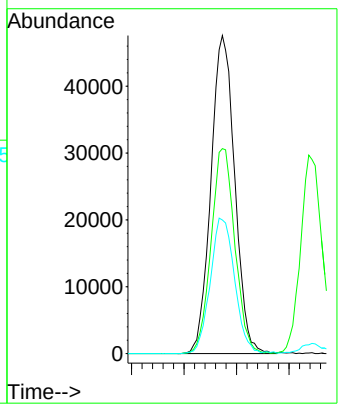


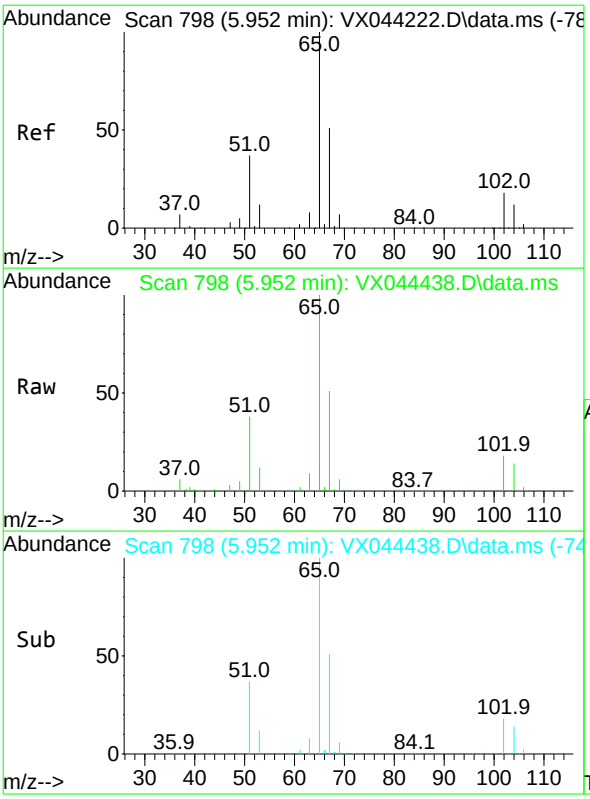




#32
1,1,1-Trichloroethane
Concen: 50.298 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 97 Resp: 149993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 50.8 | 76.2 |
| 61 | 43.5 | 35.2 | 52.8 |

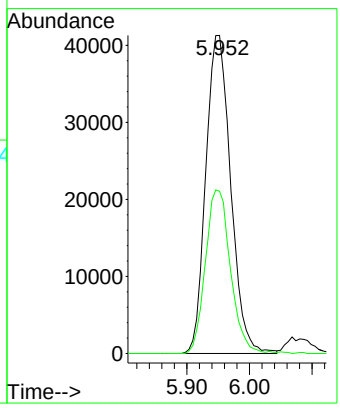





#33
1,2-Dichloroethane-d4
Concen: 47.679 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 65 Resp: 114063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
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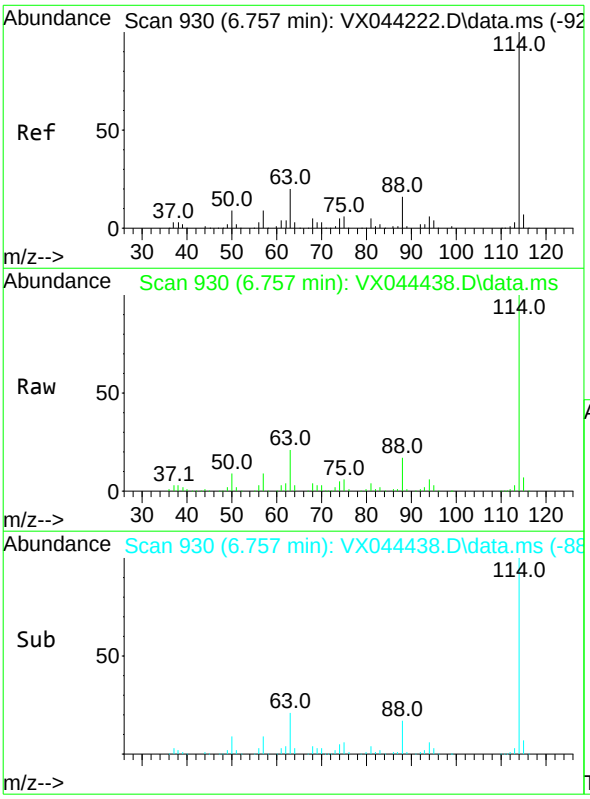
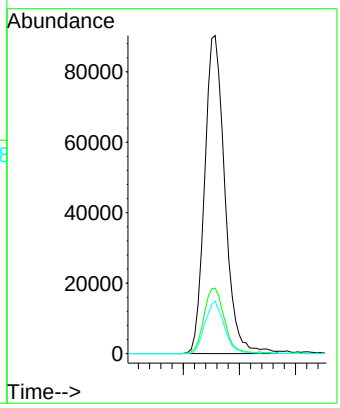
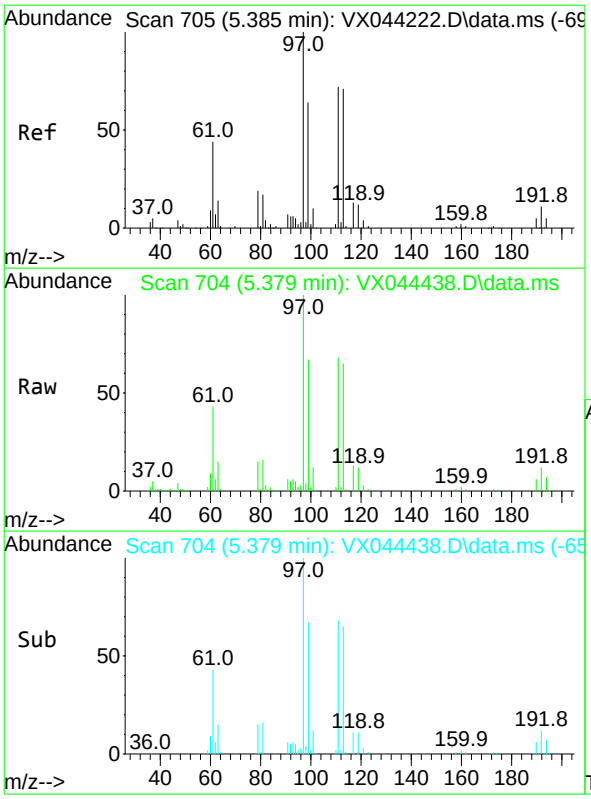



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:114 Resp: 226018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 40.6 |
| 88 | 16.5 | 0.0 | 31.8 |

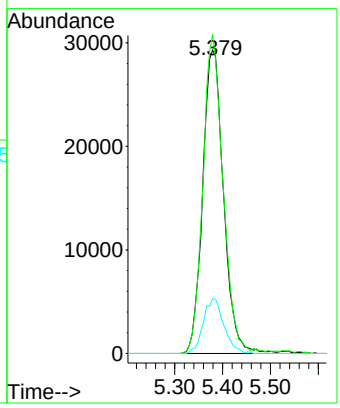





#35
Dibromofluoromethane
Concen: 56.586 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:113 Resp: 88578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.0 | 80.4 | 120.6 |
| 192 | 18.0 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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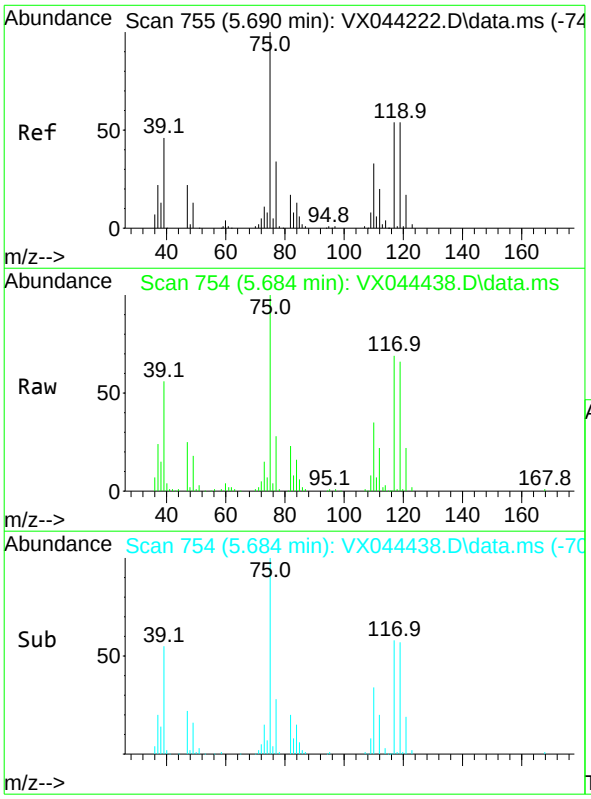
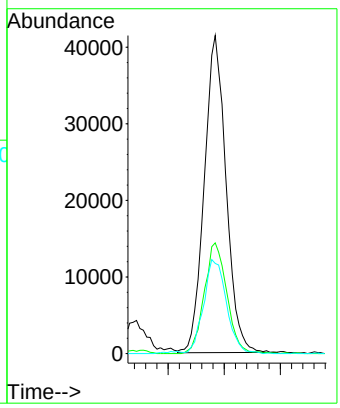
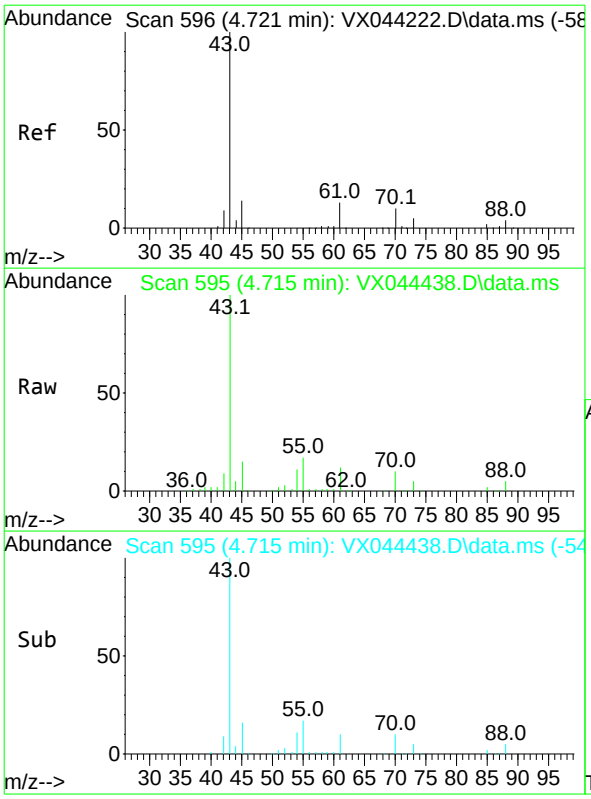



#36
1,1-Dichloropropene
Concen: 55.205 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 75 Resp: 111706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.3 | 17.3 | 51.7 |
| 77 | 31.1 | 25.4 | 38.0 |

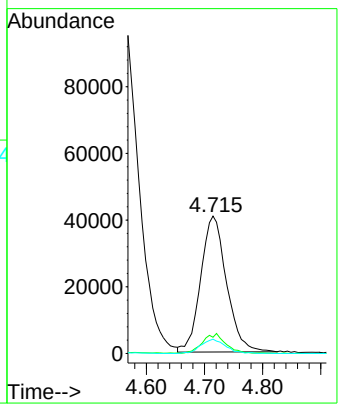





#37
Ethyl Acetate
Concen: 50.217 ug/l
RT: 4.715 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 125607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.7 | 9.8 | 14.8 |
| 70 | 10.0 | 7.7 | 11.5 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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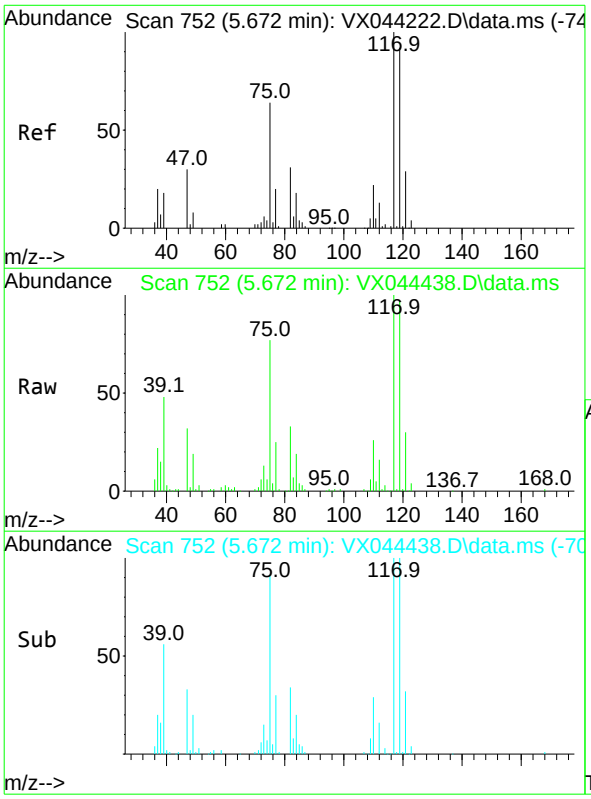
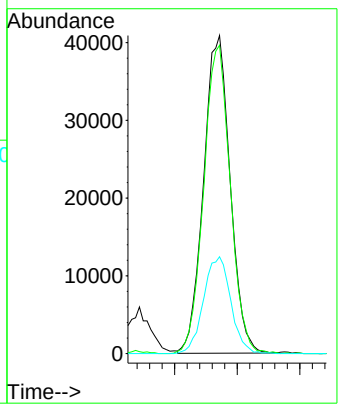
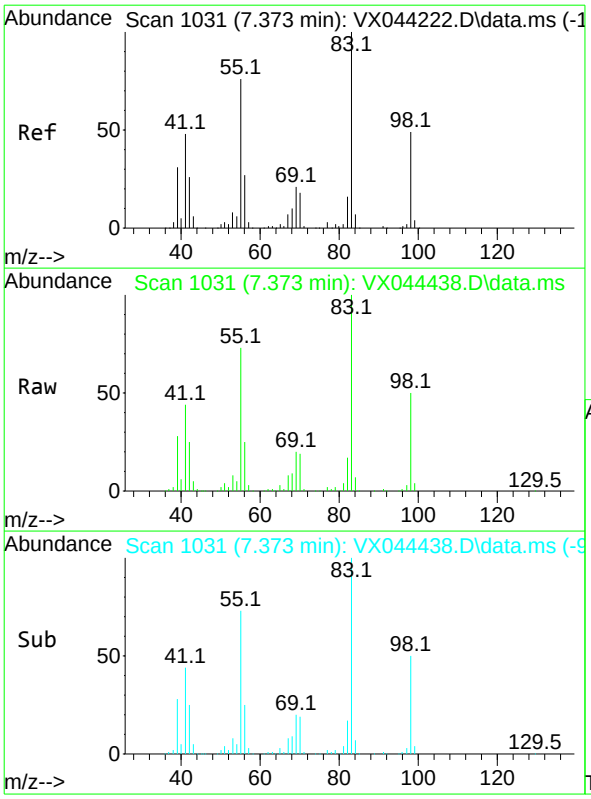



#38
Carbon Tetrachloride
Concen: 55.304 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:117 Resp: 120478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.8 | 74.2 | 111.4 |
| 121 | 30.5 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 60.512 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 83 Resp: 146379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.1 | 60.7 | 91.1 |
| 98 | 49.8 | 38.9 | 58.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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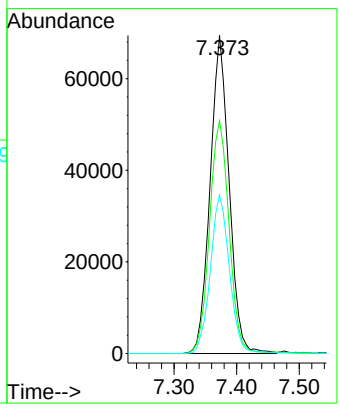
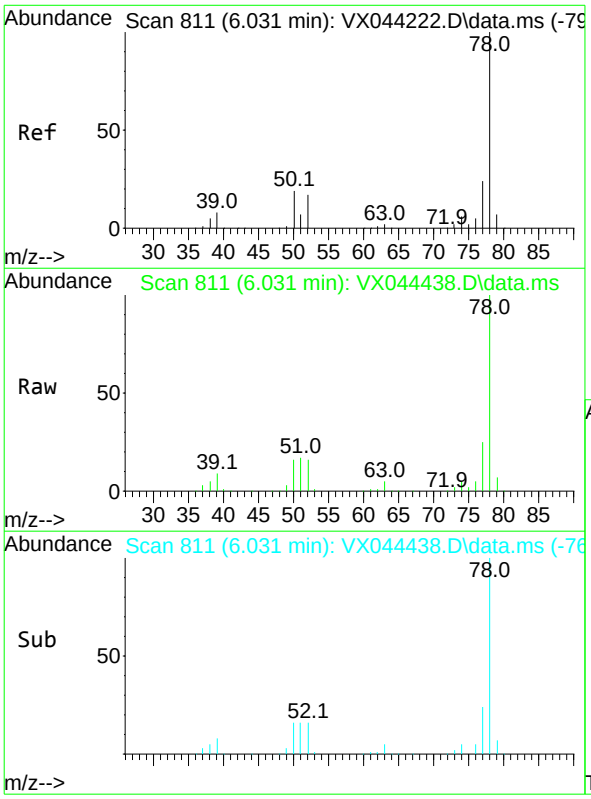
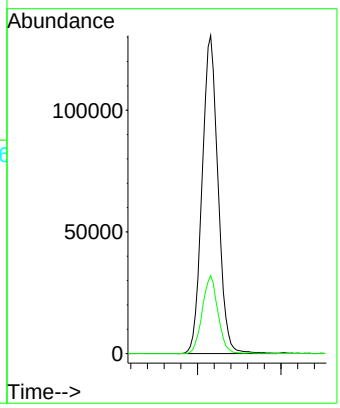


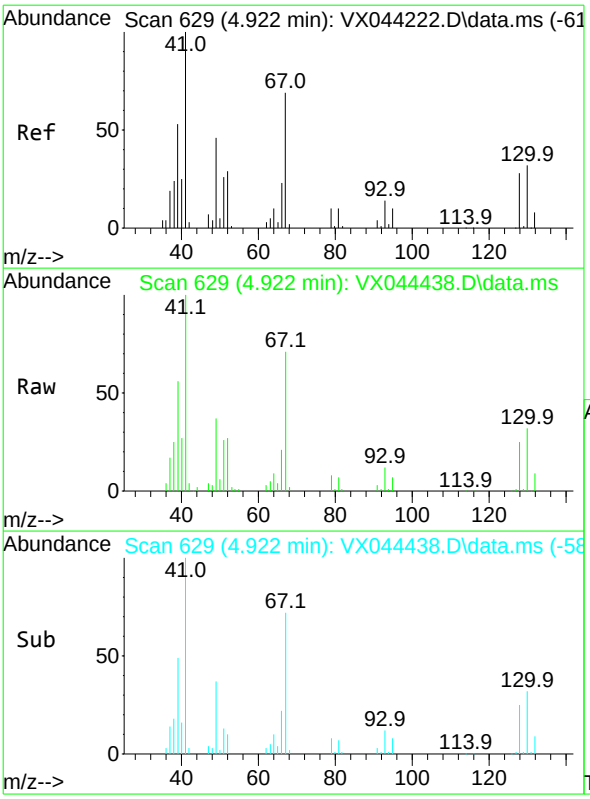




#40
Benzene
Concen: 56.259 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 78 Resp: 345635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 19.3 | 28.9 |

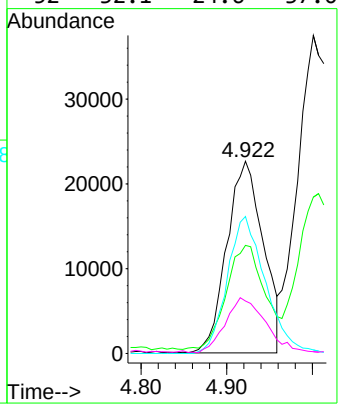





#41
Methacrylonitrile
Concen: 50.310 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 41 Resp: 66821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.0 | 44.2 | 66.4 |
| 67 | 74.9 | 57.2 | 85.8 |
| 52 | 32.1 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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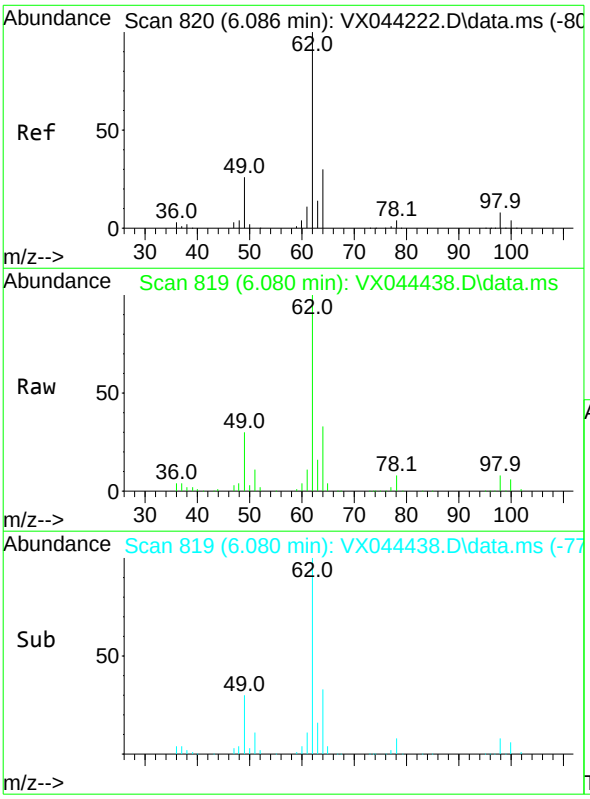
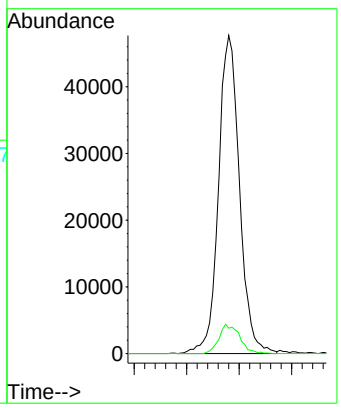
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

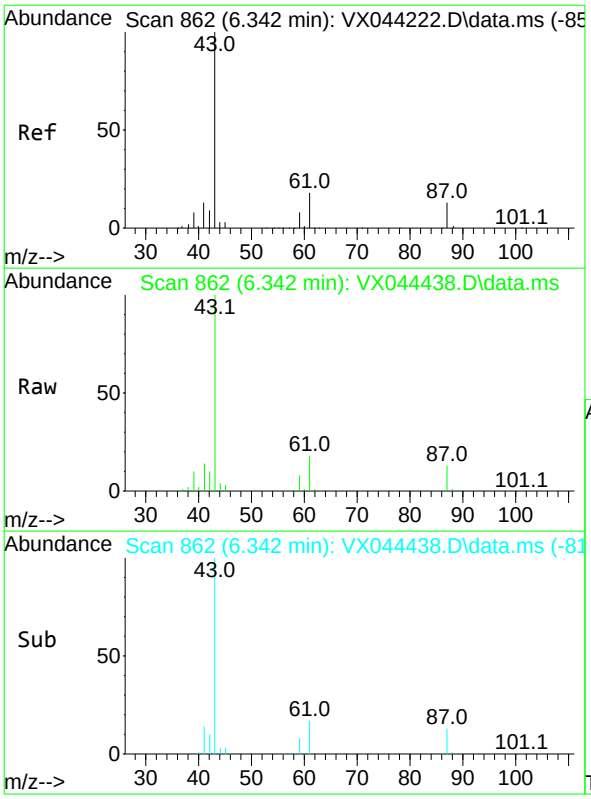



#42
1,2-Dichloroethane
Concen: 52.362 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 62 Resp: 132516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 15.8 |

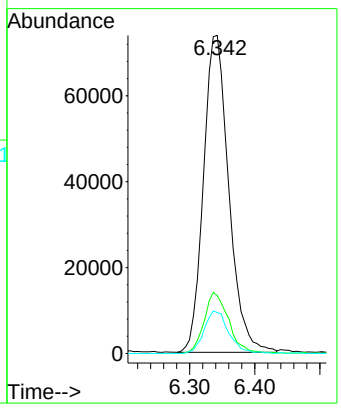





#43
Isopropyl Acetate
Concen: 51.076 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 199677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.8 | 14.2 | 21.2 |
| 87 | 13.1 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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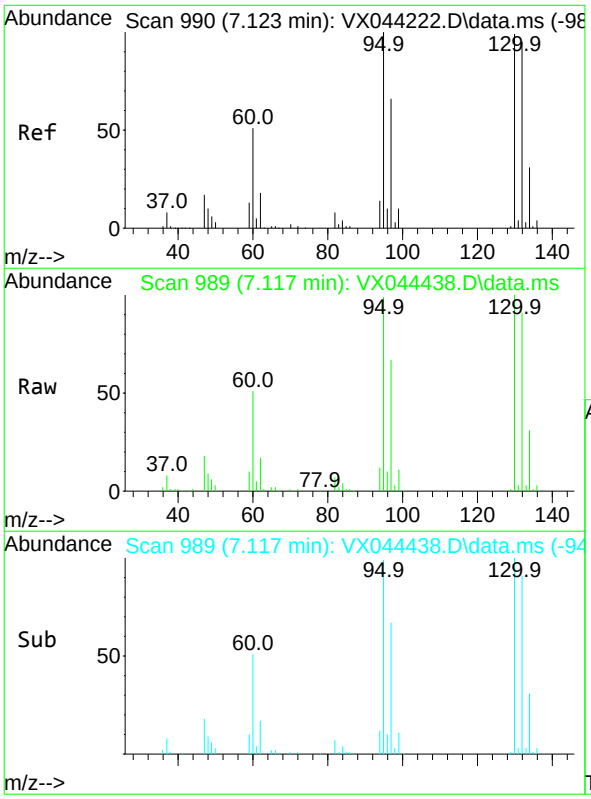
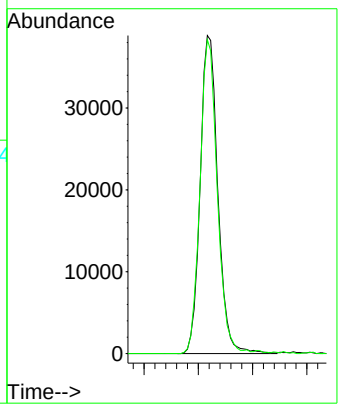
Supervised By :Mahesh Dadoda 12/24/2024

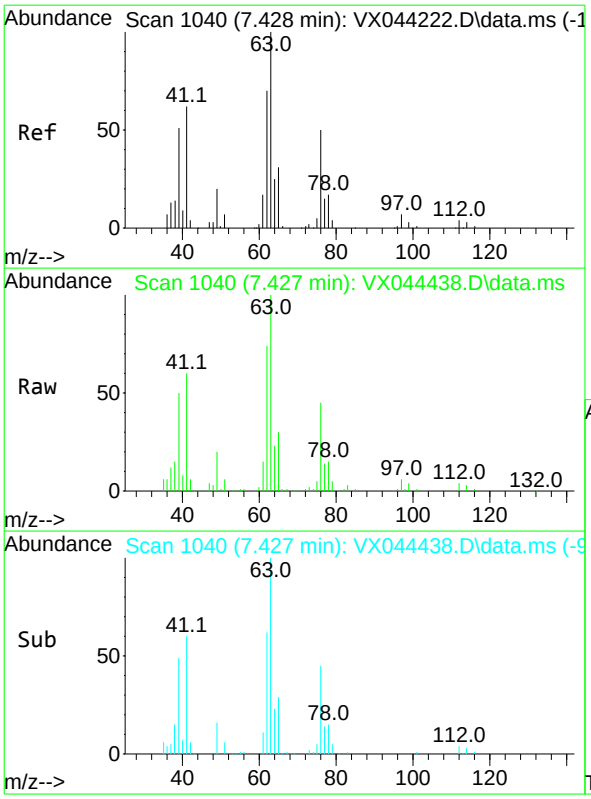



#44
Trichloroethene
Concen: 57.285 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:130 Resp: 87763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.7 | 0.0 | 201.4 |

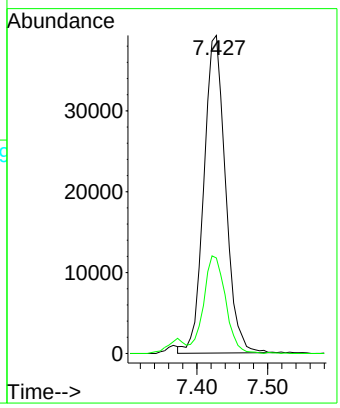





#45
1,2-Dichloropropane
Concen: 53.131 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 63 Resp: 83393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.9 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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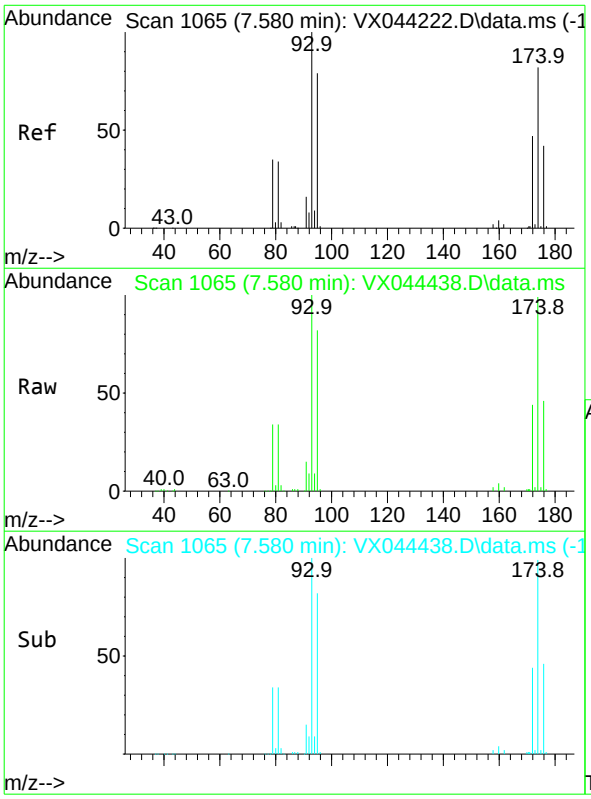
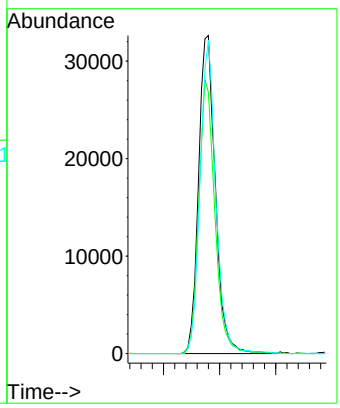
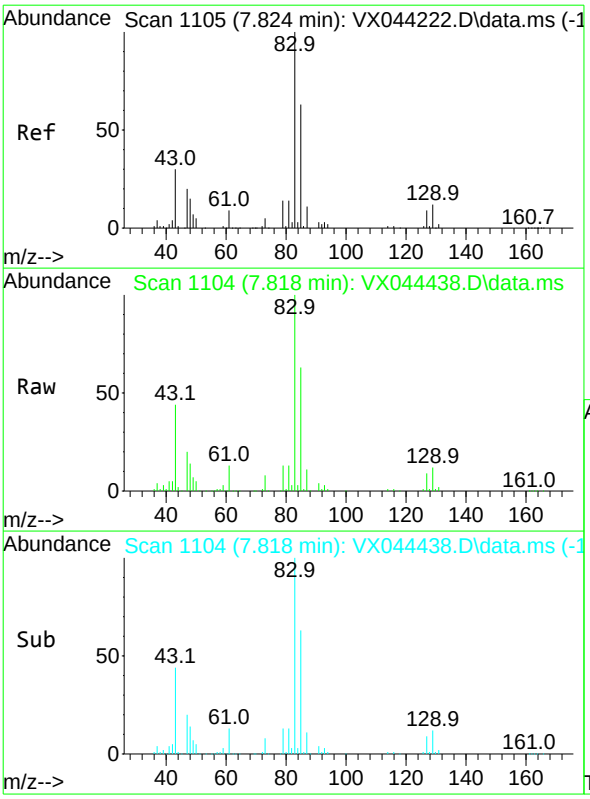



#46
Dibromomethane
Concen: 55.676 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 93 Resp: 67796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.4 | 98.2 |
| 174 | 93.2 | 67.9 | 101.9 |

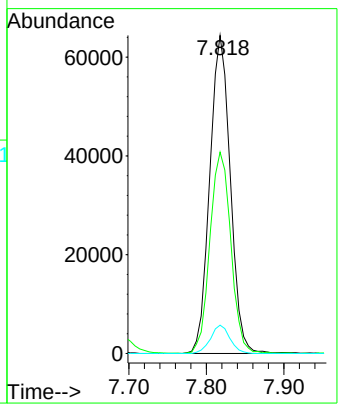





#47
Bromodichloromethane
Concen: 56.402 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 83 Resp: 118614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 50.6 | 75.8 |
| 127 | 8.9 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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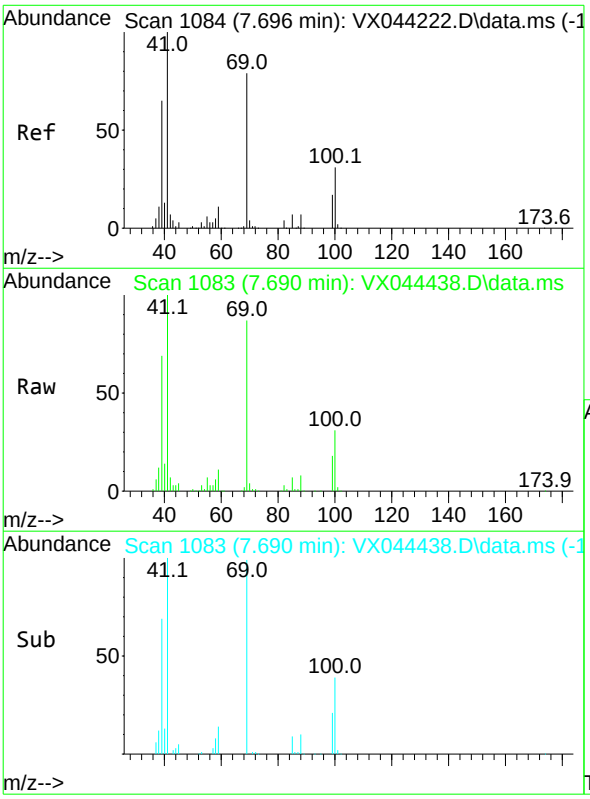
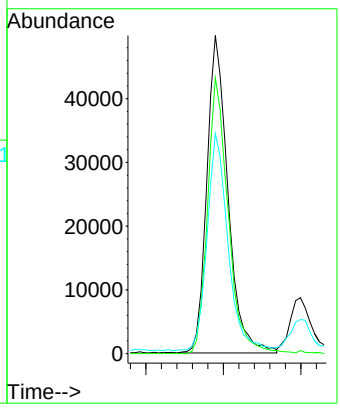
Supervised By :Mahesh Dadoda 12/24/2024

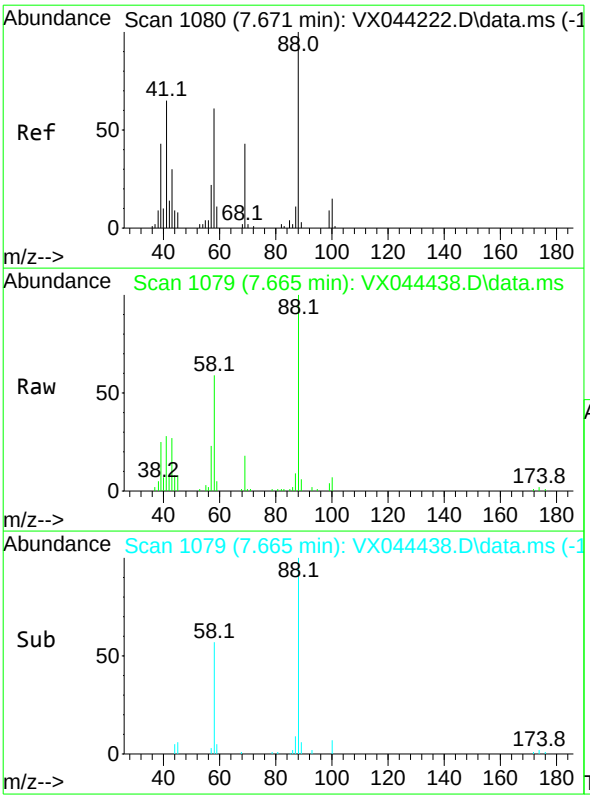



#48
Methyl methacrylate
Concen: 49.554 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 41 Resp: 94040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 85.0 | 62.4 | 93.6 |
| 39 | 67.5 | 53.3 | 79.9 |

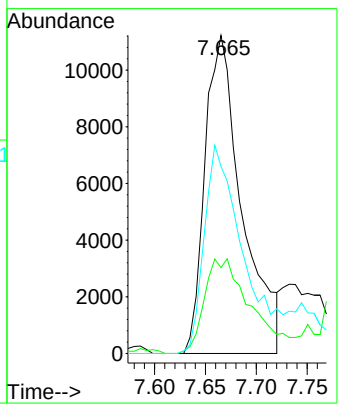





#49
1,4-Dioxane
Concen: 906.120 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 88 Resp: 28510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.0 | 27.1 | 40.7 |
| 58 | 69.1 | 41.0 | 61.4# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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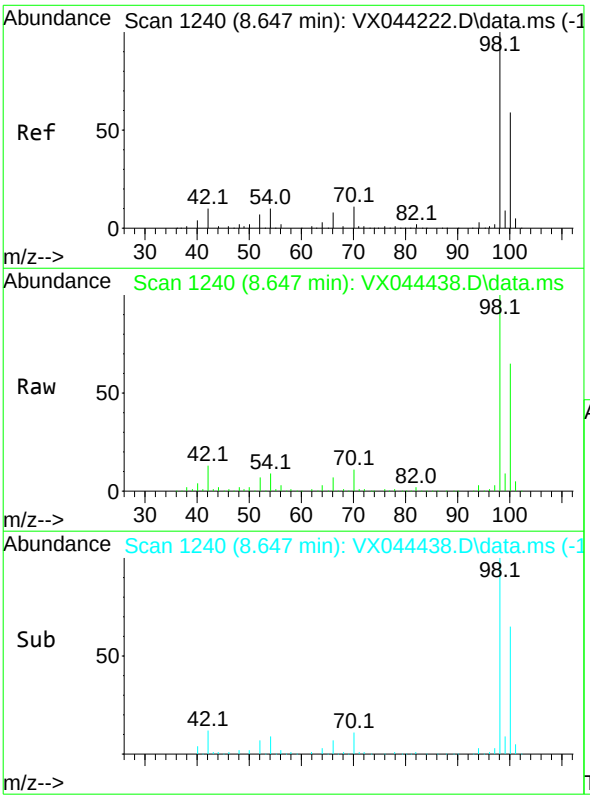
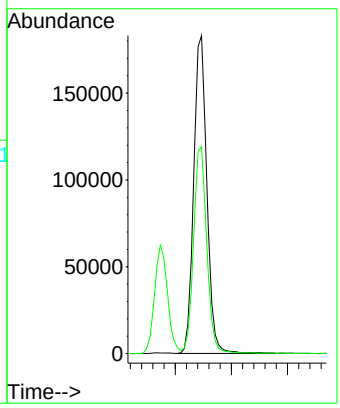
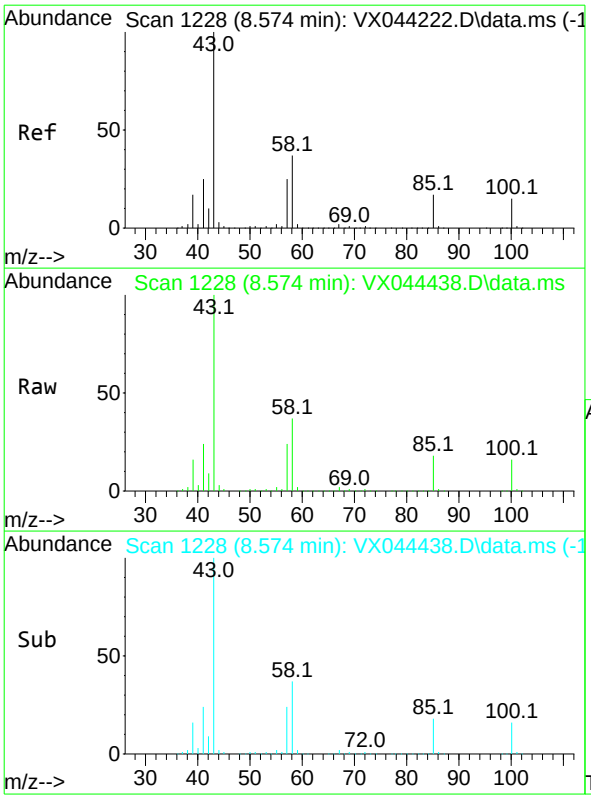



#50
Toluene-d8
Concen: 56.385 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 98 Resp: 297779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 51.5 | 77.3 |






#51
4-Methyl-2-Pentanone
Concen: 257.494 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 647258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.4 | 29.4 | 44.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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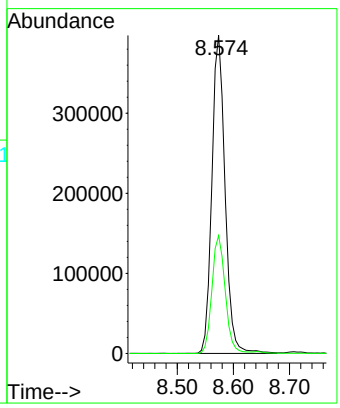
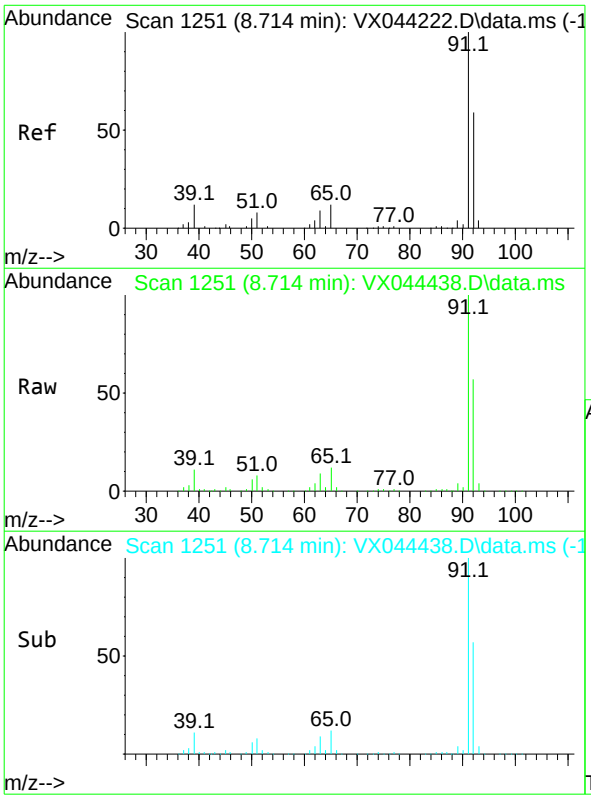
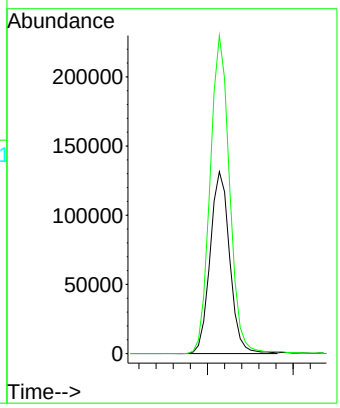


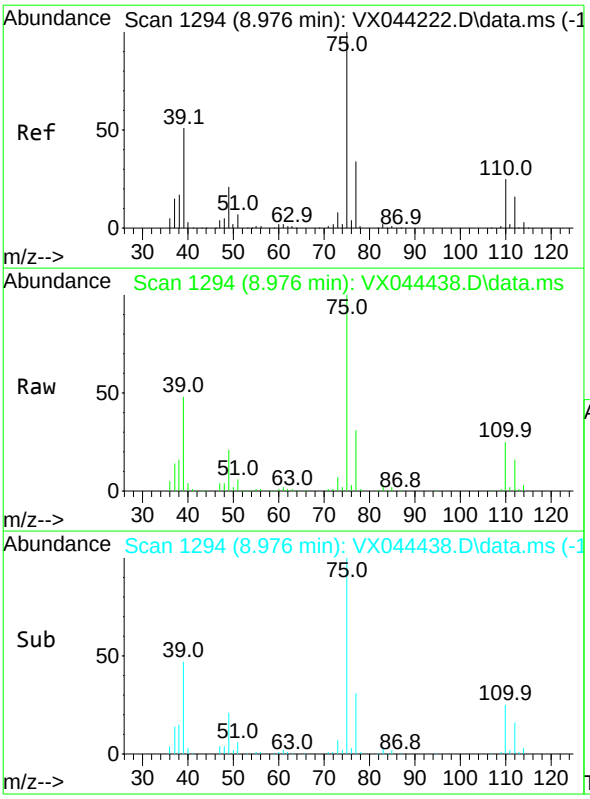




#52
Toluene
Concen: 54.120 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 92 Resp: 208798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.6 | 137.0 | 205.6 |

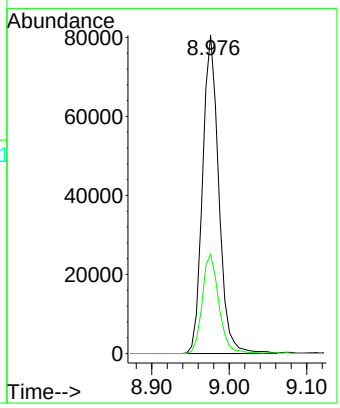





#53
t-1,3-Dichloropropene
Concen: 51.640 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 75 Resp: 116841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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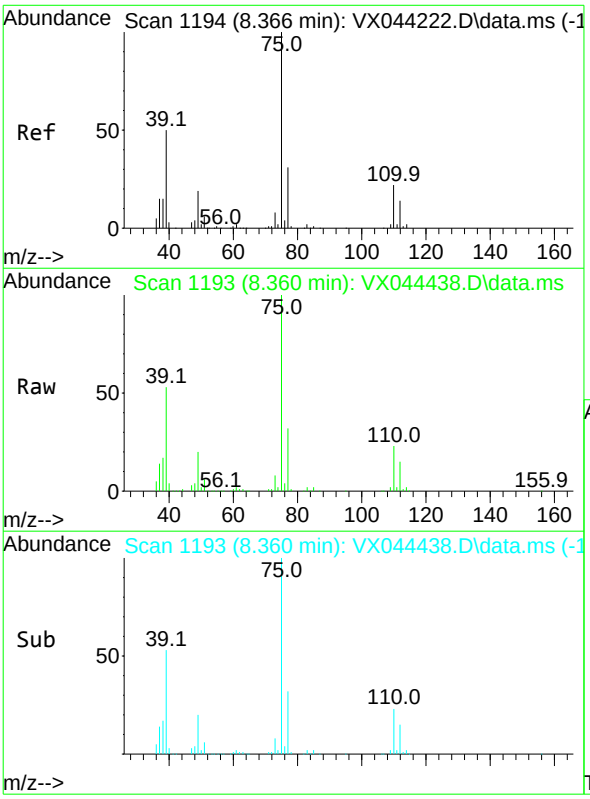
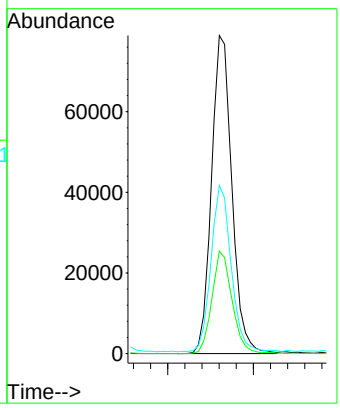
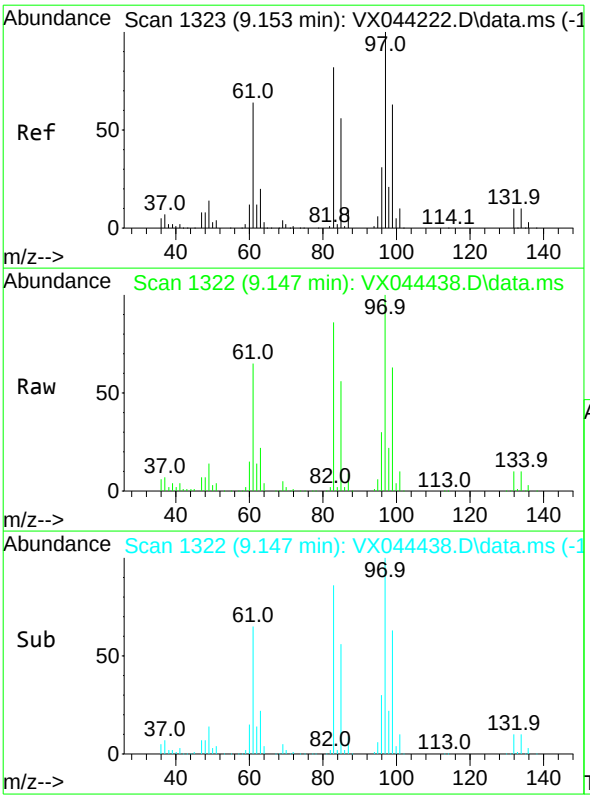



#54
cis-1,3-Dichloropropene
Concen: 56.913 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 75 Resp: 130320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 24.7 | 37.1 |
| 39 | 52.3 | 40.3 | 60.5 |






#55
1,1,2-Trichloroethane
Concen: 55.124 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 84487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 65.3 | 97.9 |
| 85 | 56.4 | 44.6 | 67.0 |
| 99 | 62.5 | 50.2 | 75.2 |

**Manual Integrations**
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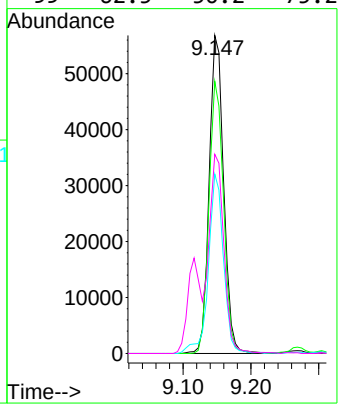
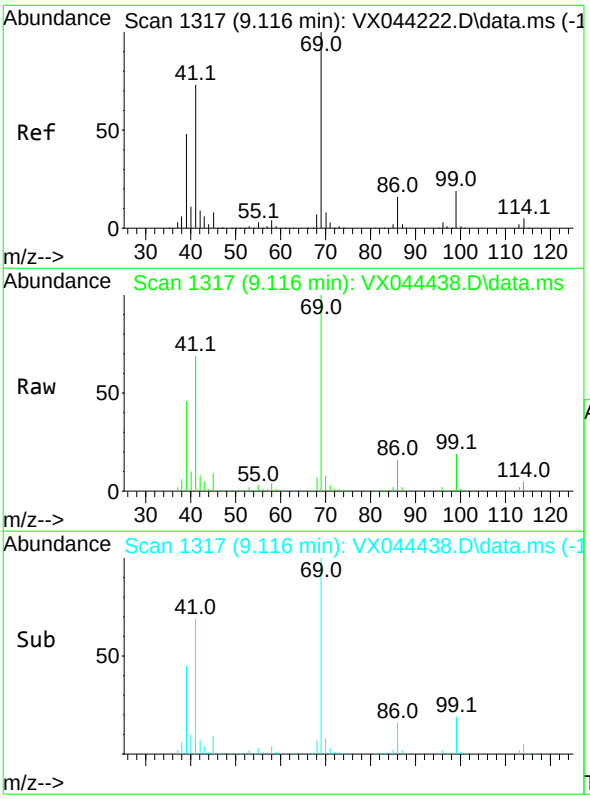
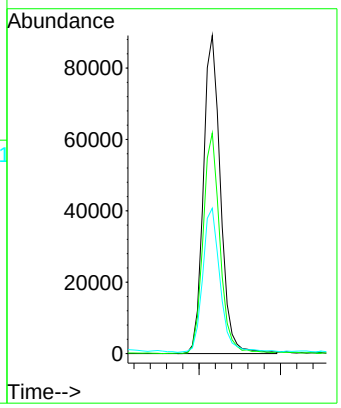


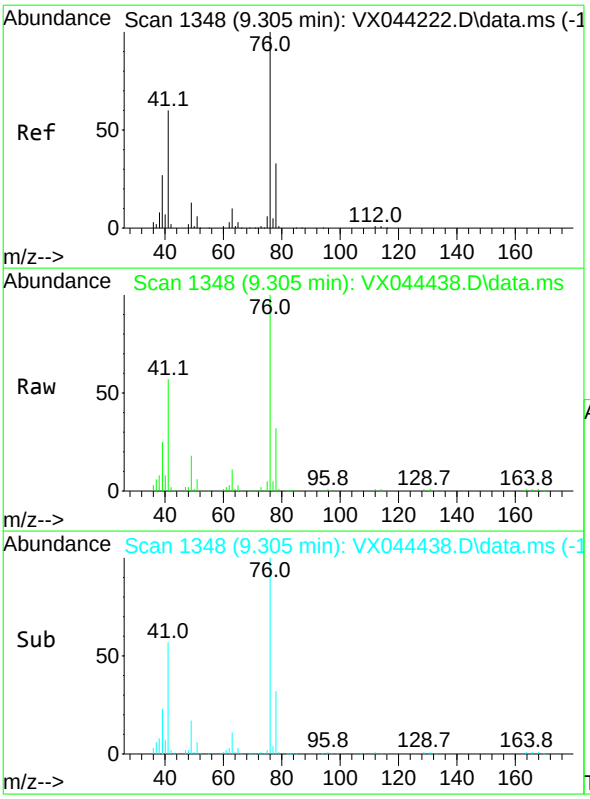




#56
Ethyl methacrylate
Concen: 53.800 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 69 Resp: 130175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.3 | 56.6 | 85.0 |
| 39 | 46.2 | 37.4 | 56.0 |

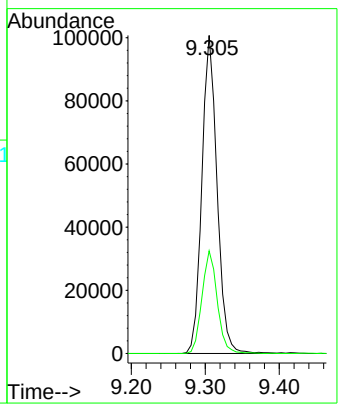





#57
1,3-Dichloropropane
Concen: 53.824 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 76 Resp: 143590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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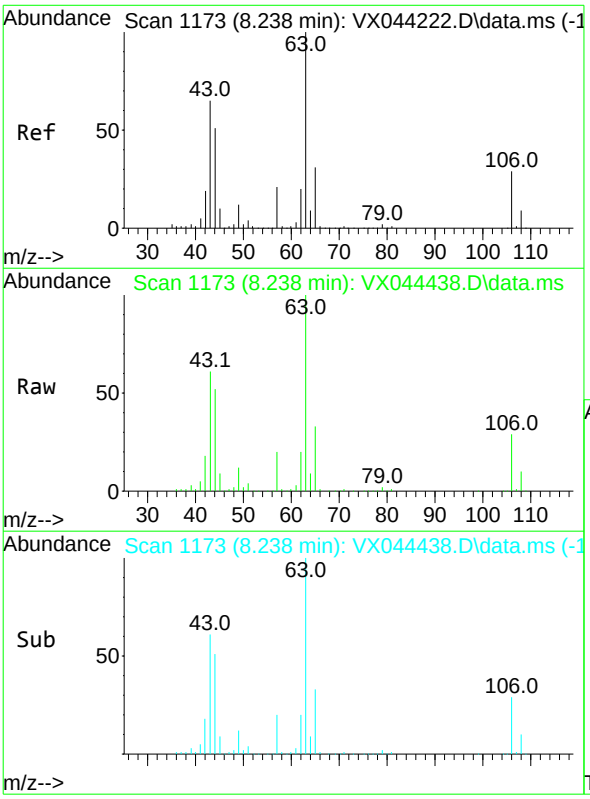
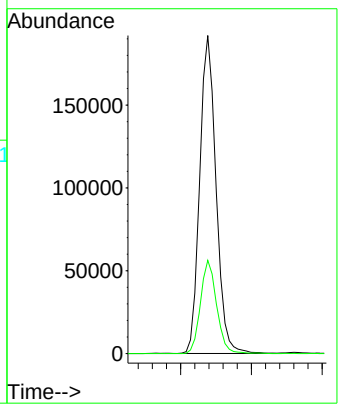
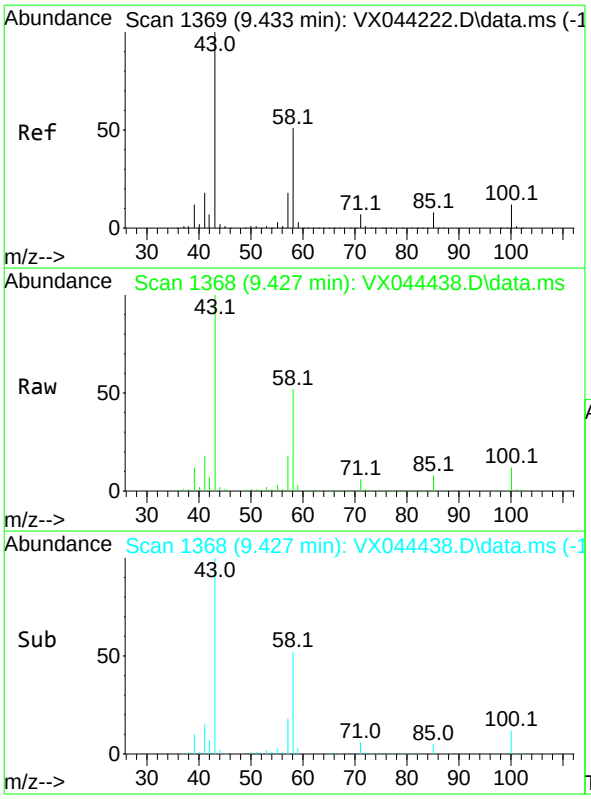



#58
2-Chloroethyl Vinyl ether
Concen: 252.070 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 63 Resp: 307620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.0 | 22.8 | 34.2 |

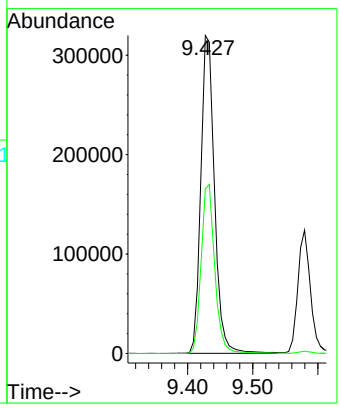





#59
2-Hexanone
Concen: 256.860 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 467347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 25.7 | 77.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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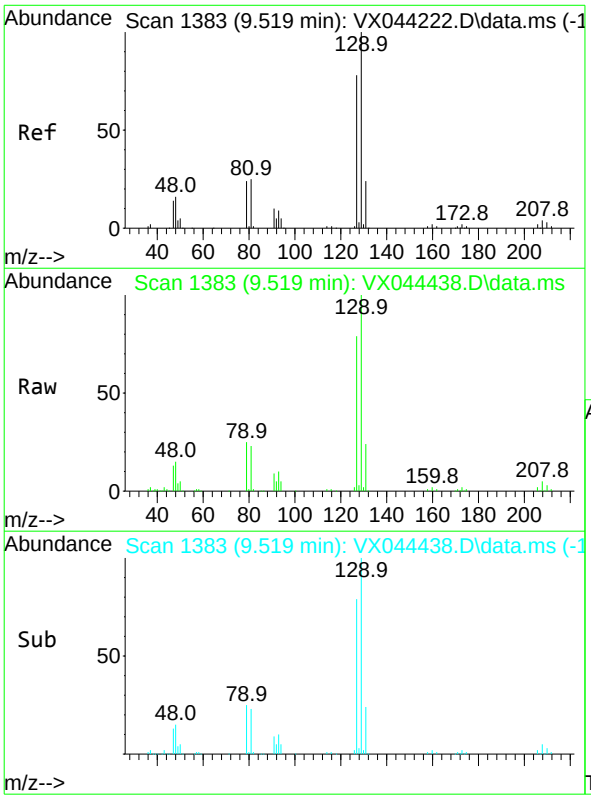
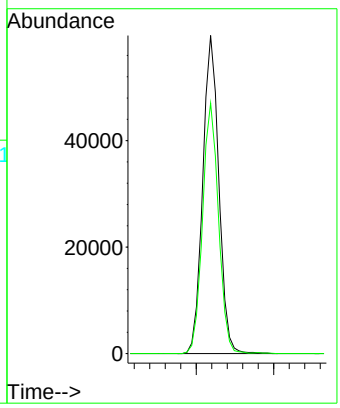
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

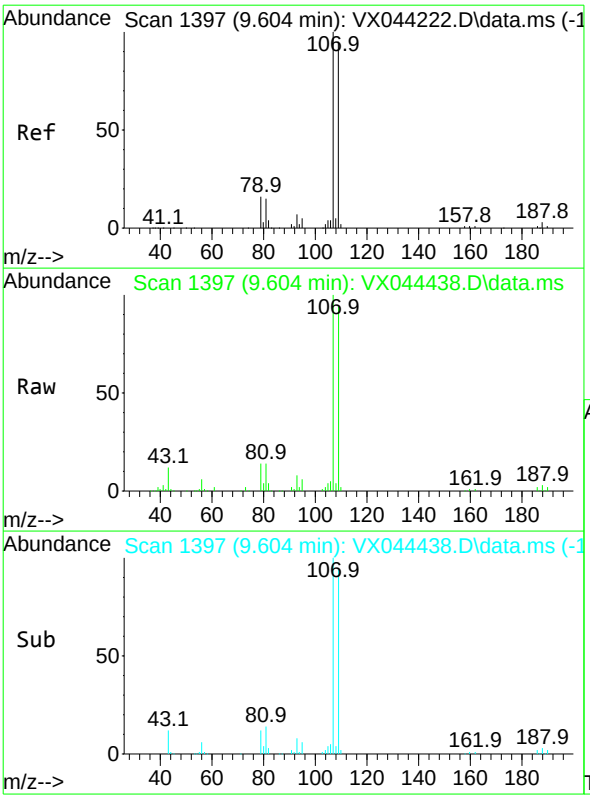



#60
Dibromochloromethane
Concen: 52.901 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:129 Resp: 86207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 38.5 | 115.3 |

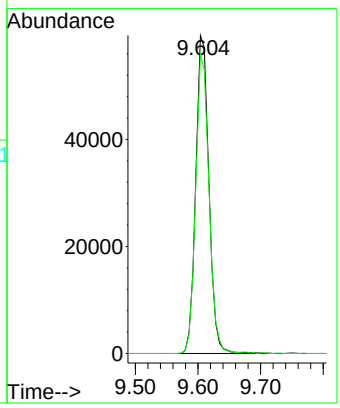





#61
1,2-Dibromoethane
Concen: 55.721 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:107 Resp: 86930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.3 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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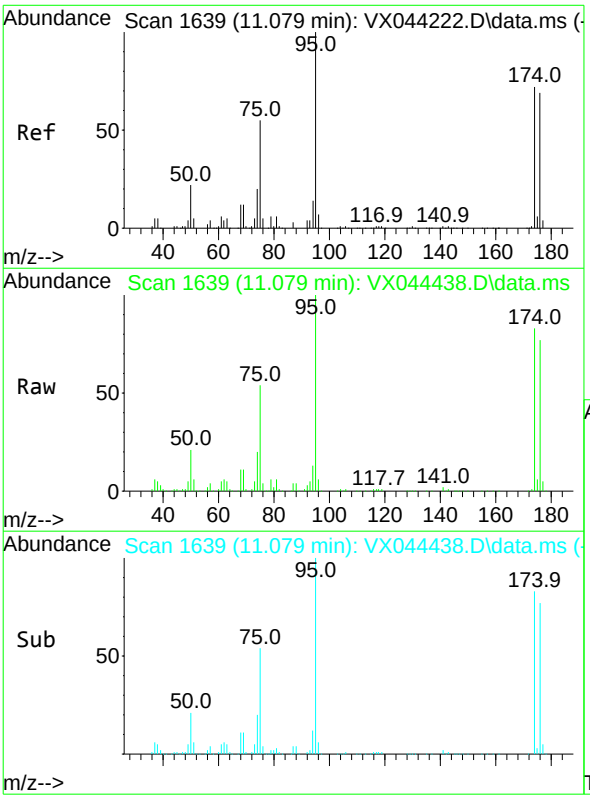
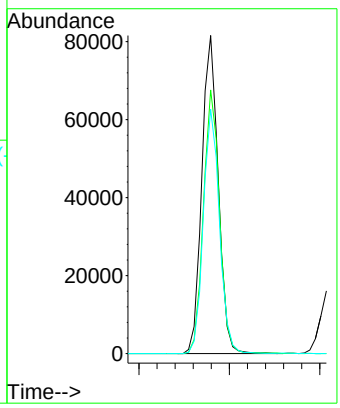
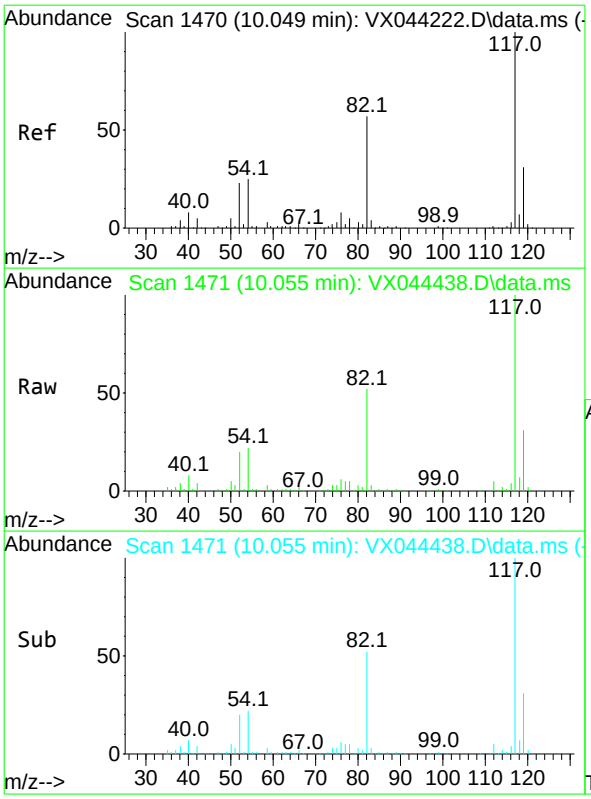



#62
4-Bromofluorobenzene
Concen: 55.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 95 Resp: 102676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.4 | 0.0 | 145.8 |
| 176 | 75.6 | 0.0 | 137.8 |

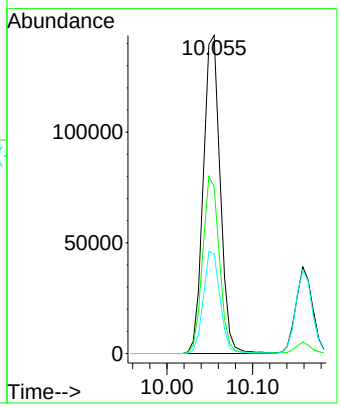





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:117 Resp: 197543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.5 | 45.8 | 68.8 |
| 119 | 31.3 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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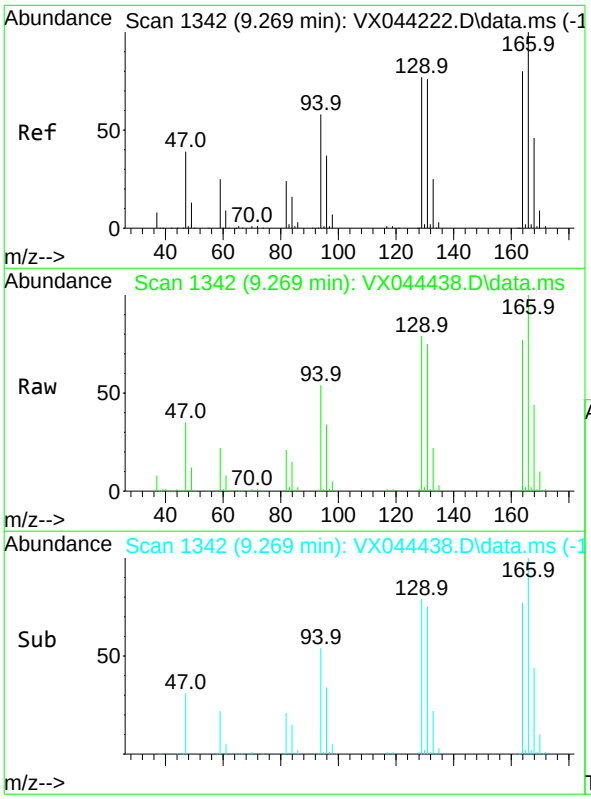
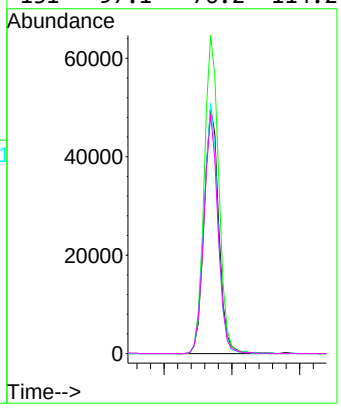
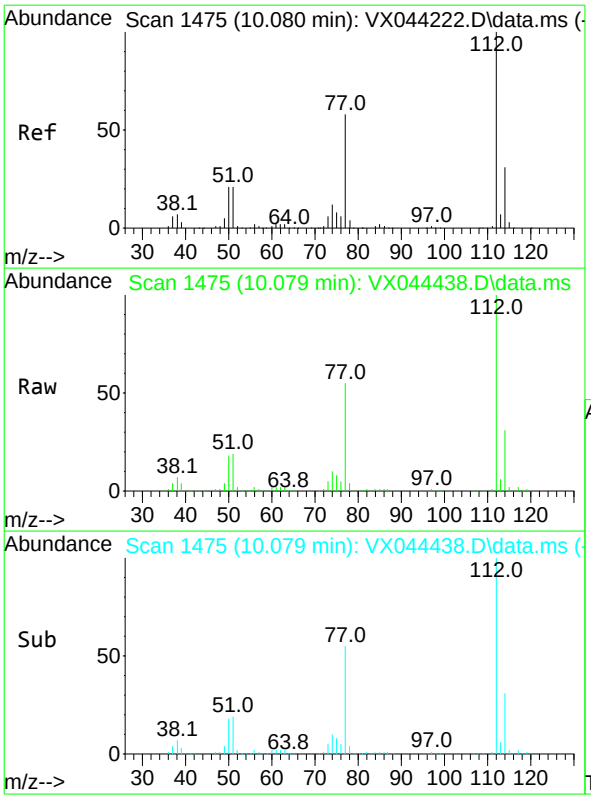



#64
Tetrachloroethene
Concen: 57.001 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:164 Resp: 74735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.3 | 100.4 | 150.6 |
| 129 | 101.8 | 77.2 | 115.8 |
| 131 | 97.1 | 76.2 | 114.2 |

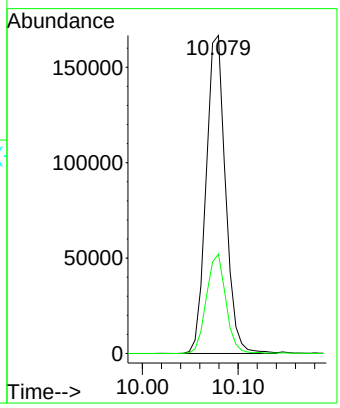





#65
Chlorobenzene
Concen: 55.402 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:112 Resp: 234513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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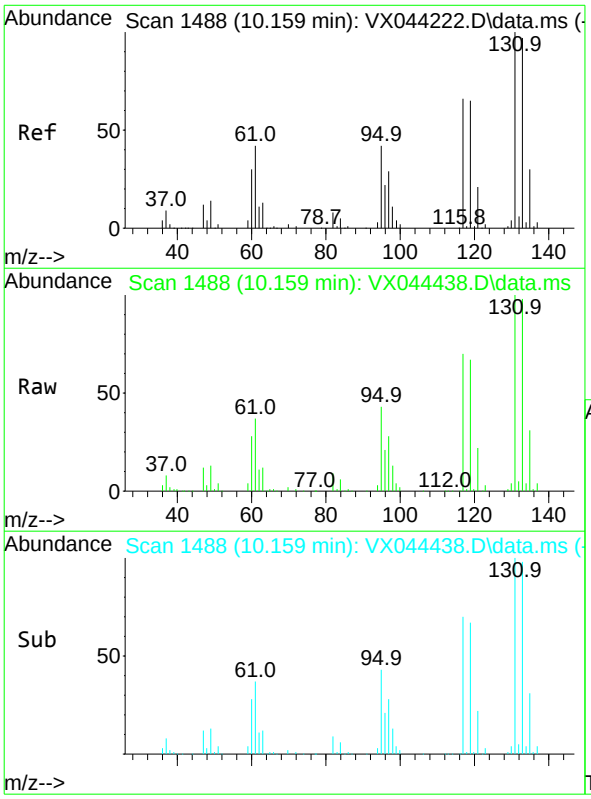
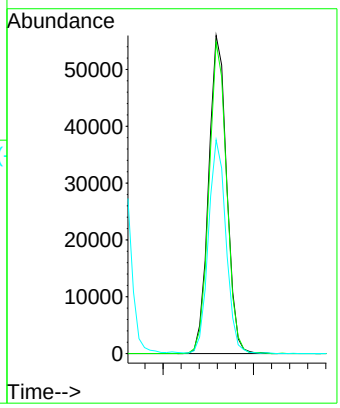
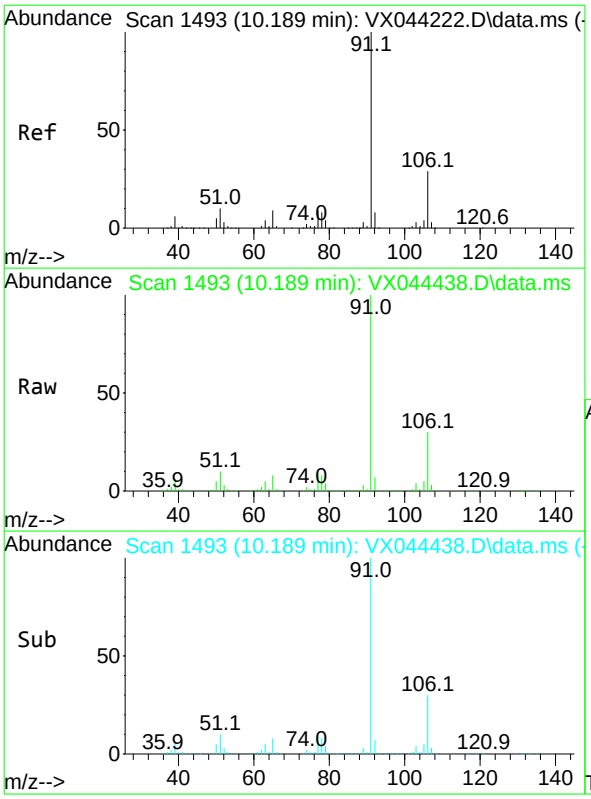



#66
1,1,1,2-Tetrachloroethane
Concen: 56.959 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:131 Resp: 77487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.5 | 47.3 | 141.8 |
| 119 | 65.6 | 31.6 | 95.0 |

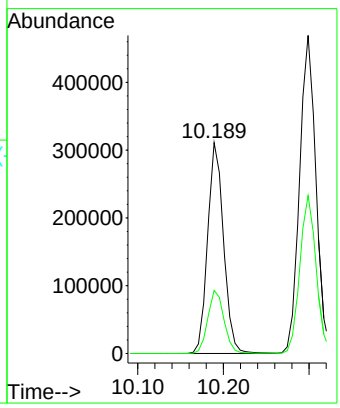





#67
Ethyl Benzene
Concen: 54.936 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 91 Resp: 401792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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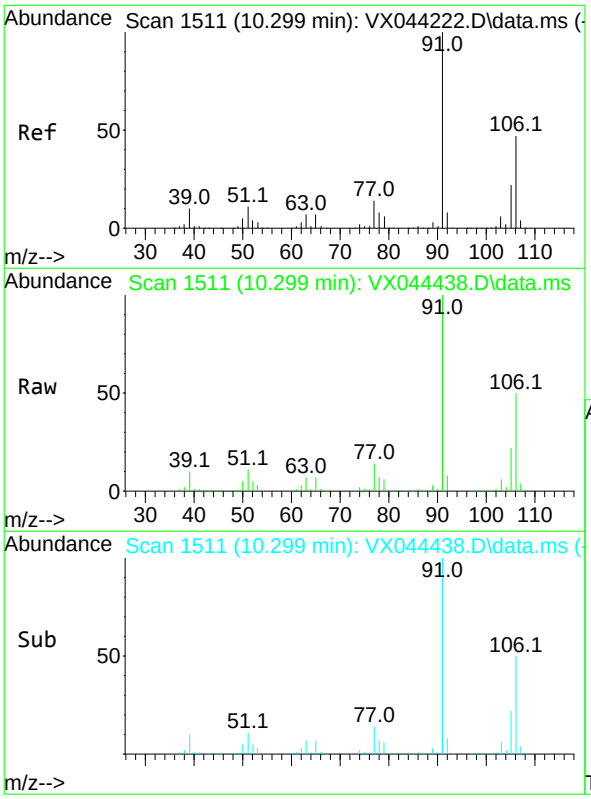
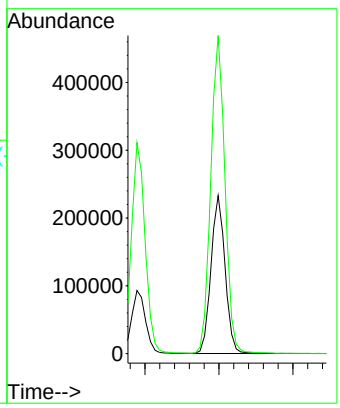
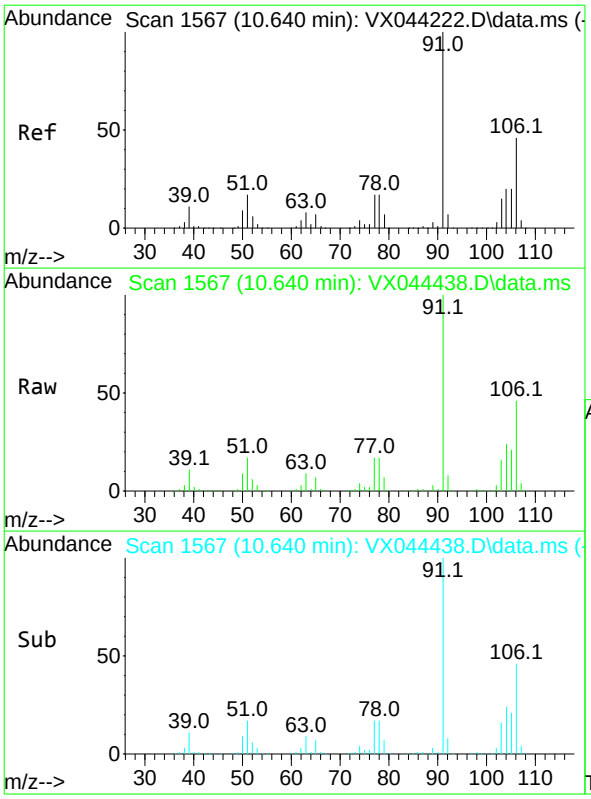



#68
m/p-Xylenes
Concen: 114.771 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:106 Resp: 308013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.5 | 170.2 | 255.2 |

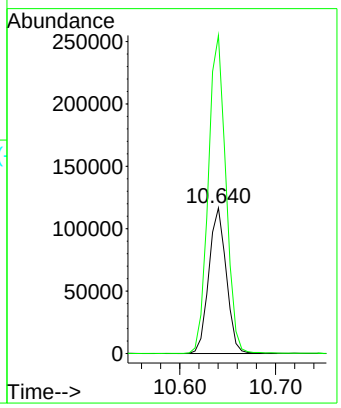





#69
o-Xylene
Concen: 54.389 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:106 Resp: 147688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.8 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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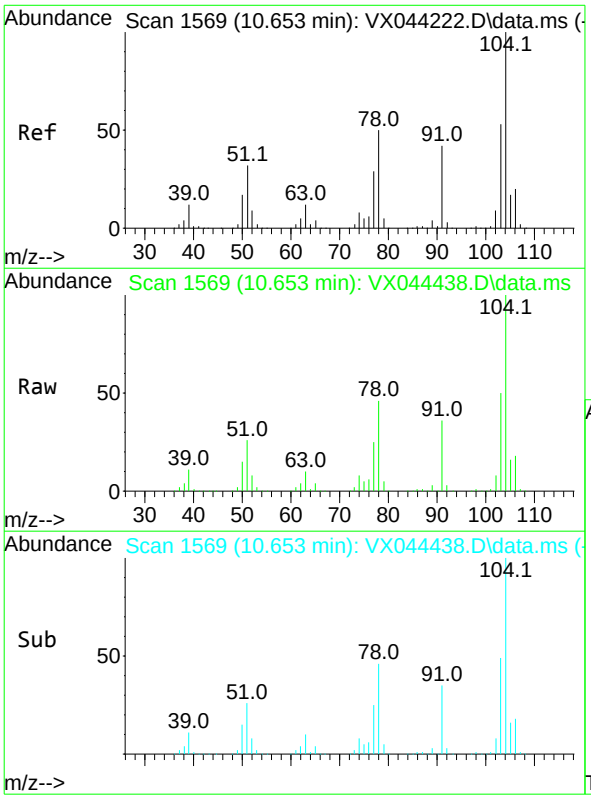
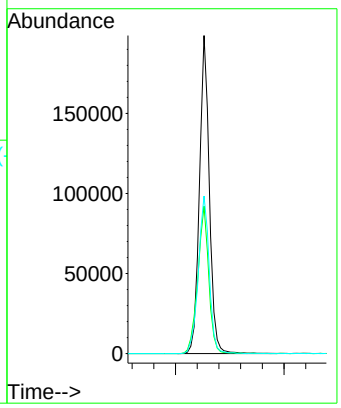
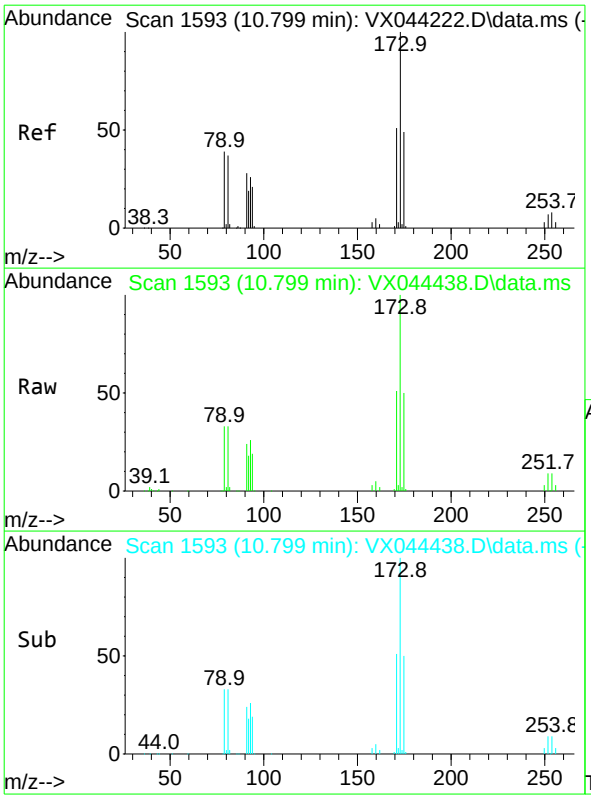



#70
Styrene
Concen: 57.862 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:104 Resp: 251875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.5 | 44.6 | 67.0 |
| 103 | 54.8 | 45.4 | 68.0 |

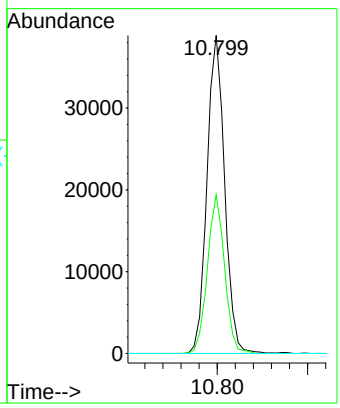





#71
Bromoform
Concen: 54.671 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:173 Resp: 52602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.7 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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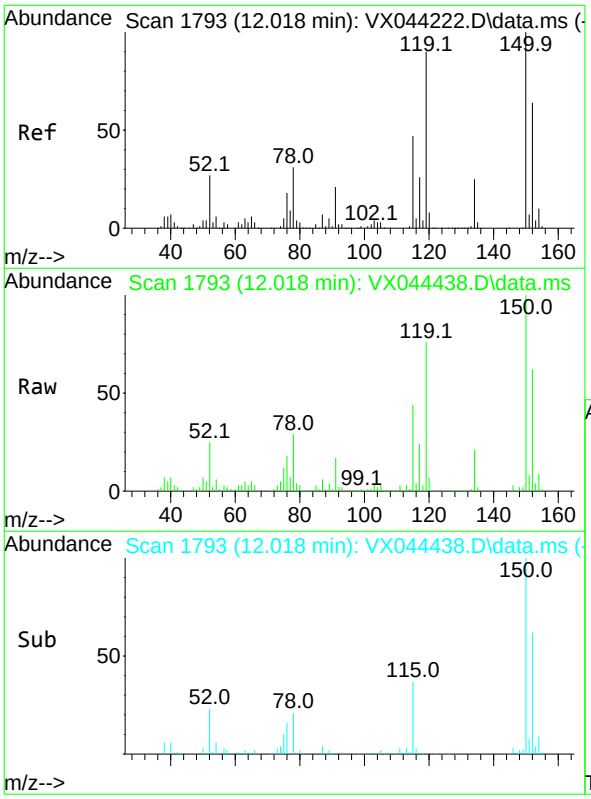
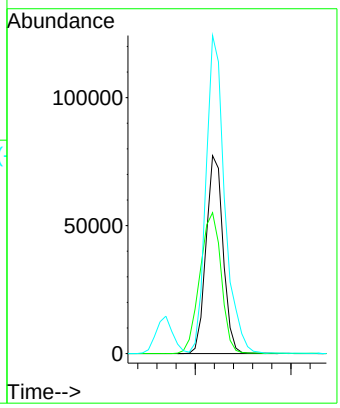
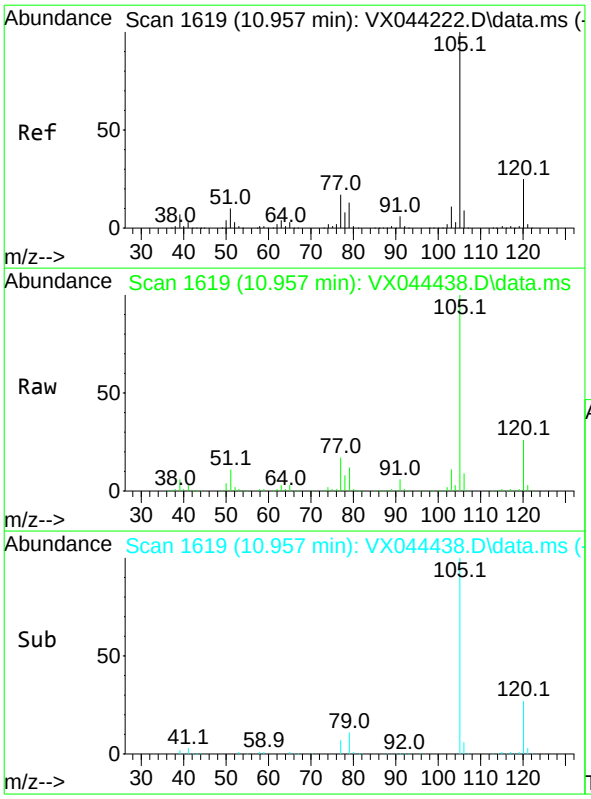



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:152 Resp: 95339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 89.6 | 44.5 | 133.3 |
| 150 | 177.4 | 0.0 | 353.8 |






#73
Isopropylbenzene
Concen: 53.495 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:105 Resp: 390438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.1 | 39.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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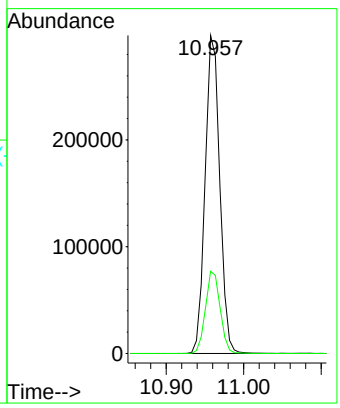
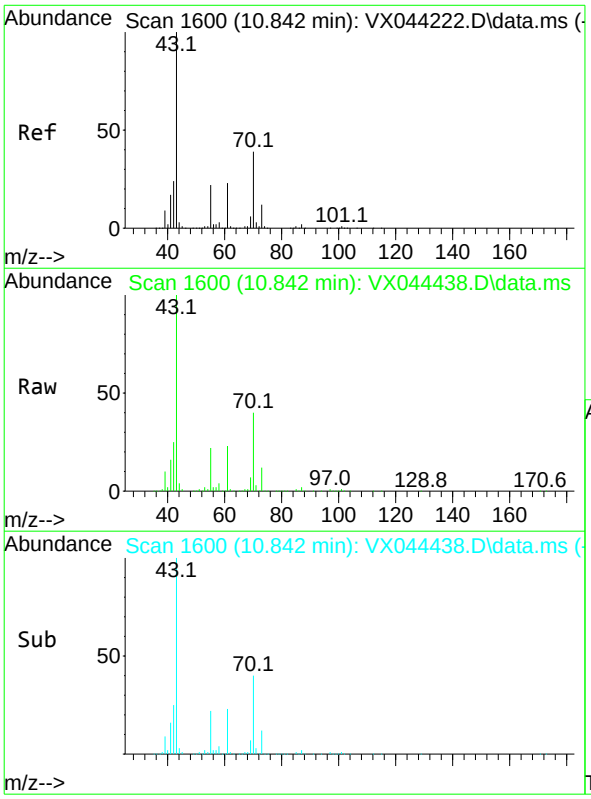
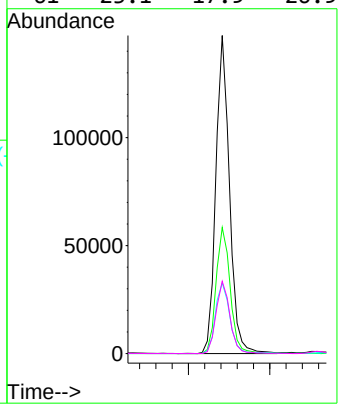


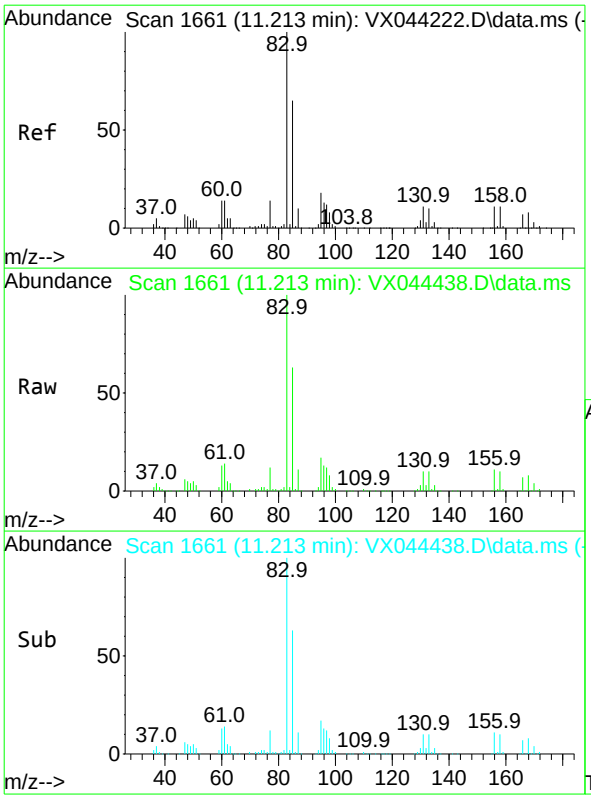




#74
N-amyl acetate
Concen: 50.885 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 171638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.1 | 31.9 | 47.9 |
| 55 | 23.7 | 17.9 | 26.9 |
| 61 | 23.1 | 17.9 | 26.9 |






#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 83 Resp: 132190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.1 | 15.4 |
| 85 | 63.4 | 32.5 | 97.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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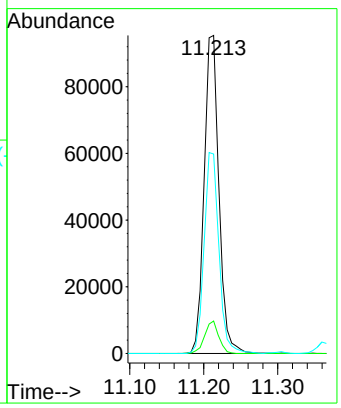
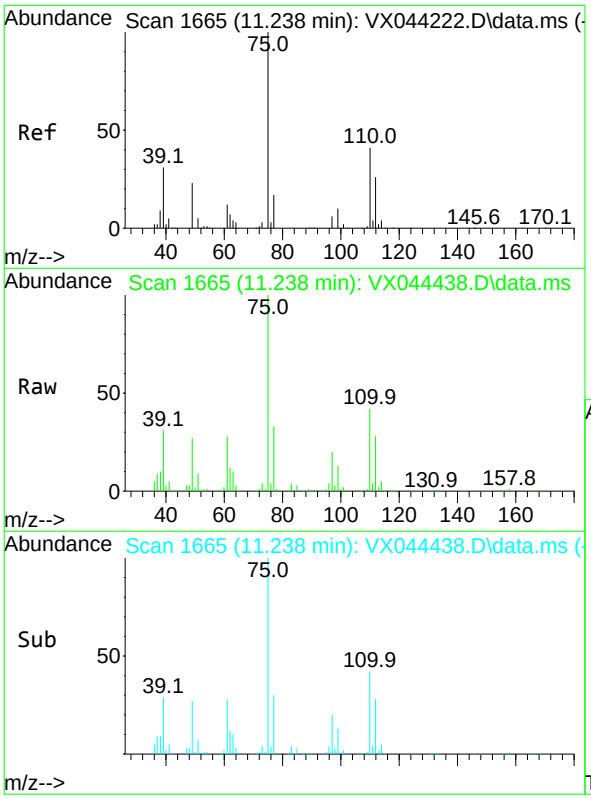
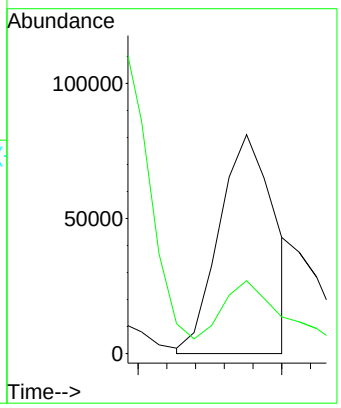


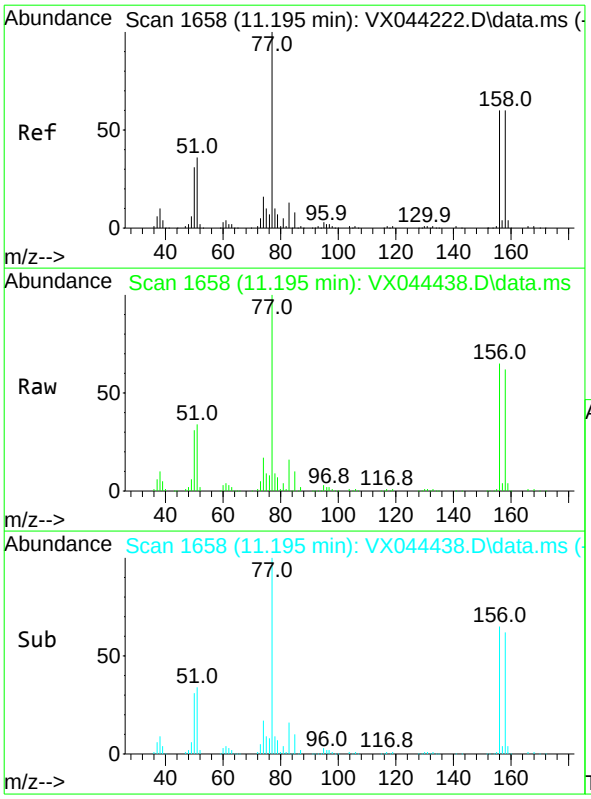




#76
1,2,3-Trichloropropane
Concen: 50.641 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 75 Resp: 107800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.8 | 20.9 | 62.7 |

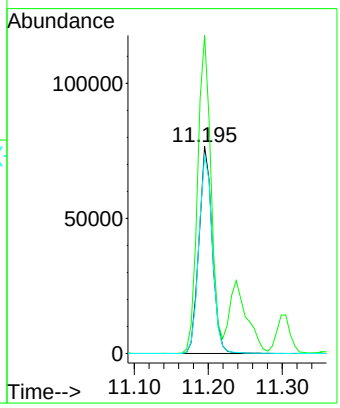





#77
Bromobenzene
Concen: 53.953 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:156 Resp: 95489

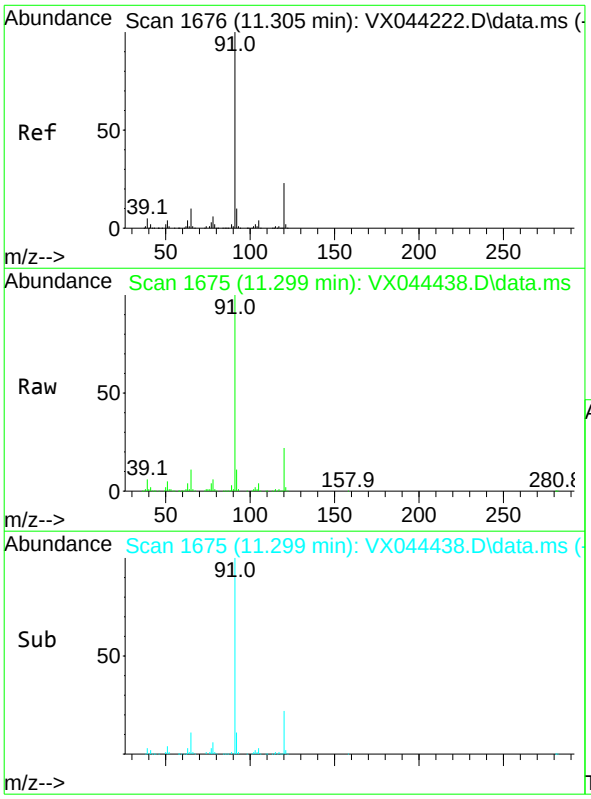
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.1 | 82.6 | 247.8 |
| 158 | 98.5 | 48.8 | 146.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

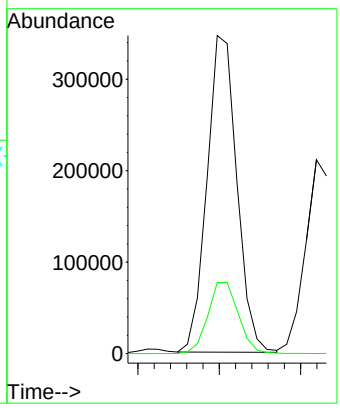
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

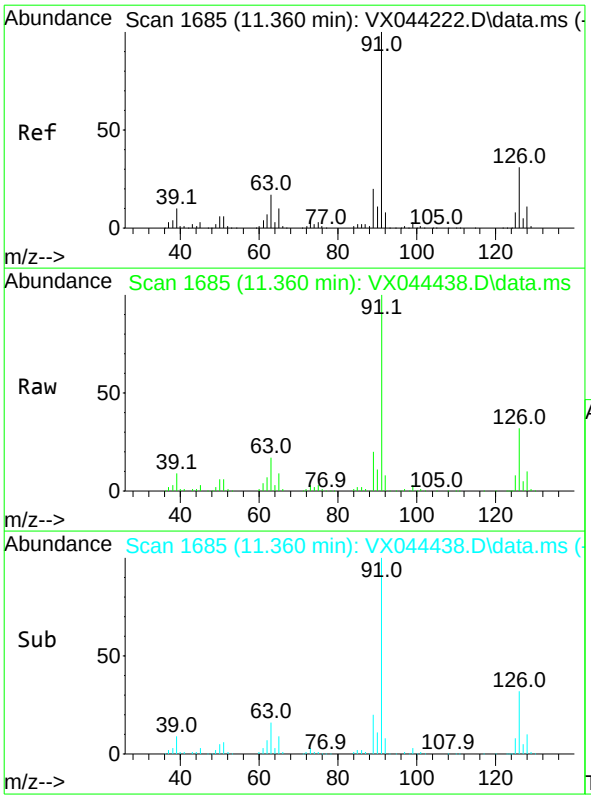



#78
n-propylbenzene
Concen: 54.741 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 91 Resp: 441589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 51.311 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 91 Resp: 267690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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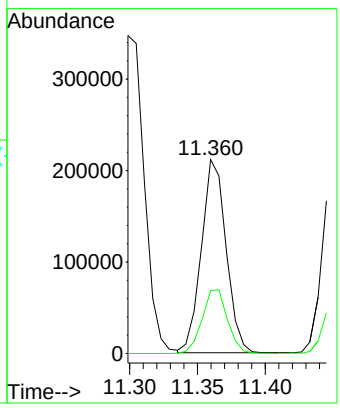
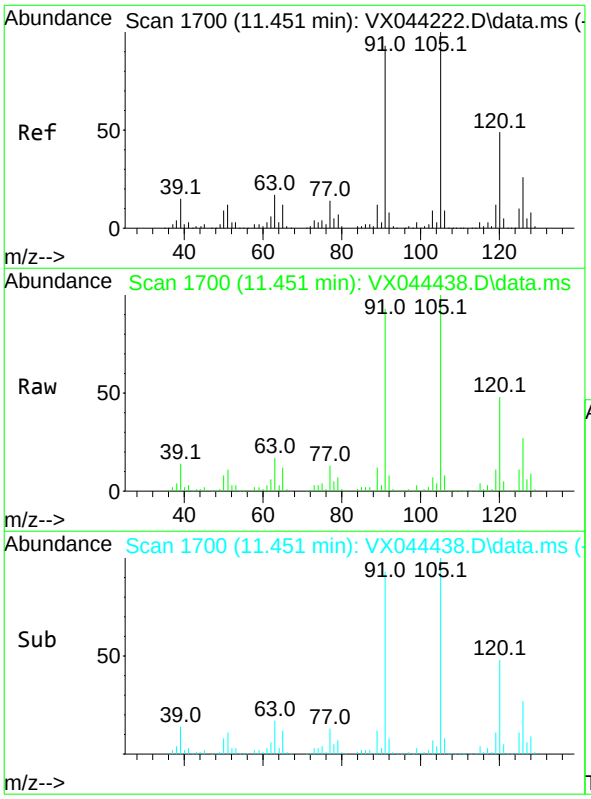
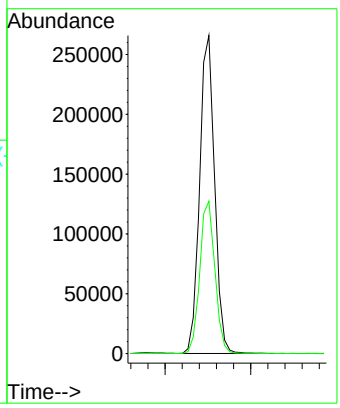


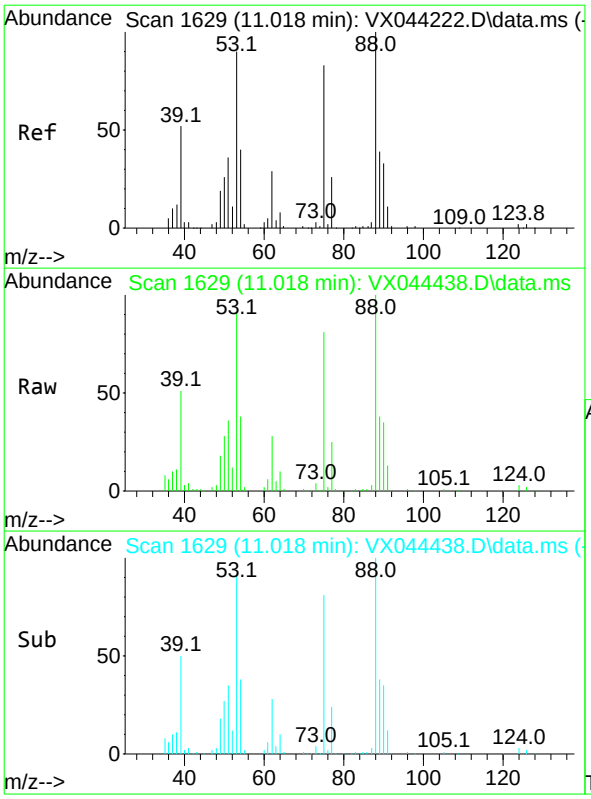




#80
1,3,5-Trimethylbenzene
Concen: 53.284 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:105 Resp: 322510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 47.498 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 35051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.3 | 93.6 | 140.4 |
| 89 | 47.8 | 37.3 | 55.9 |

**Manual Integrations**
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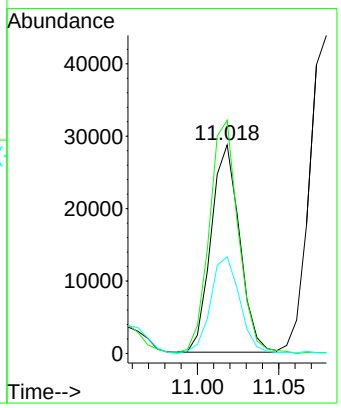
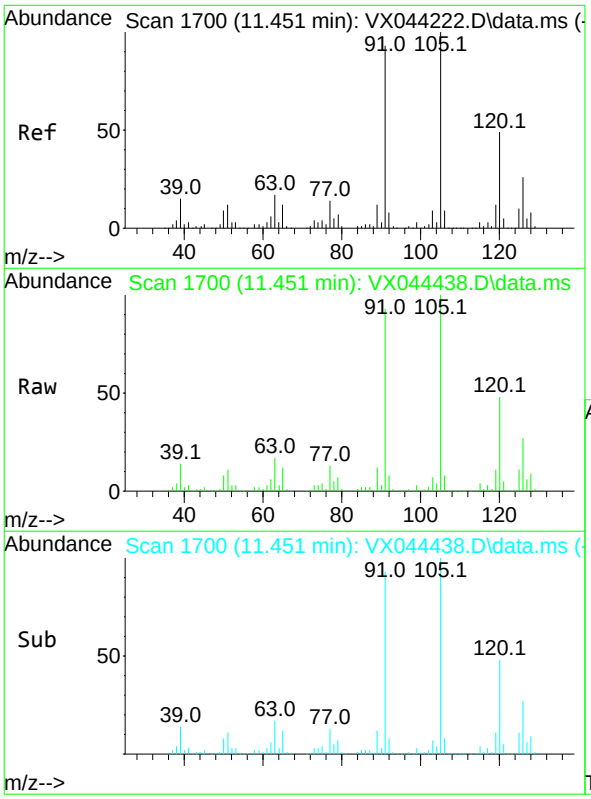
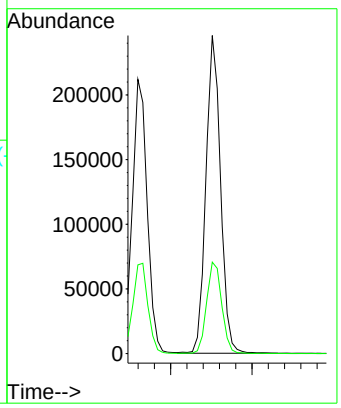


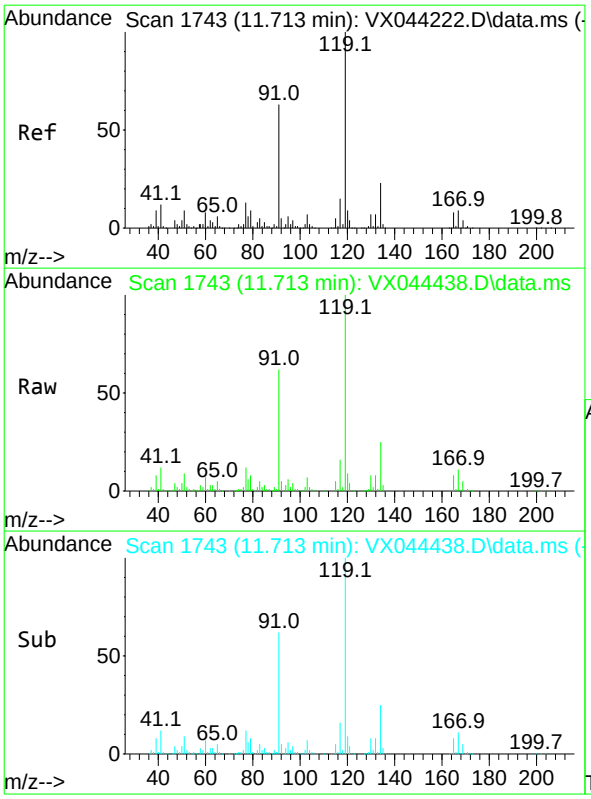




#82
4-Chlorotoluene
Concen: 52.929 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 91 Resp: 305777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.7 | 14.5 | 43.5 |

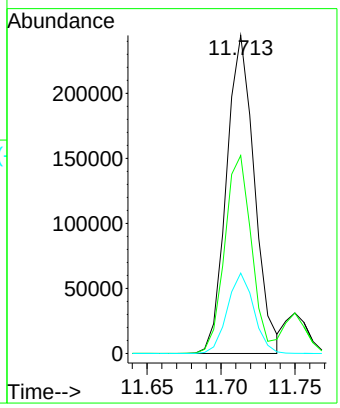





#83
tert-Butylbenzene
Concen: 53.600 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:119 Resp: 320615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.4 | 30.9 | 92.5 |
| 134 | 24.0 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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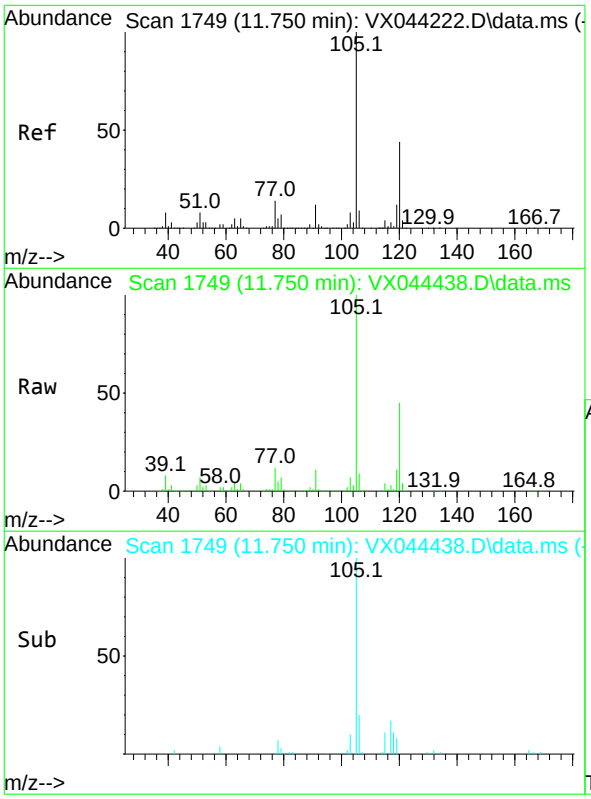
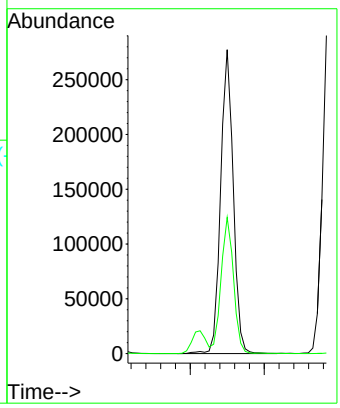
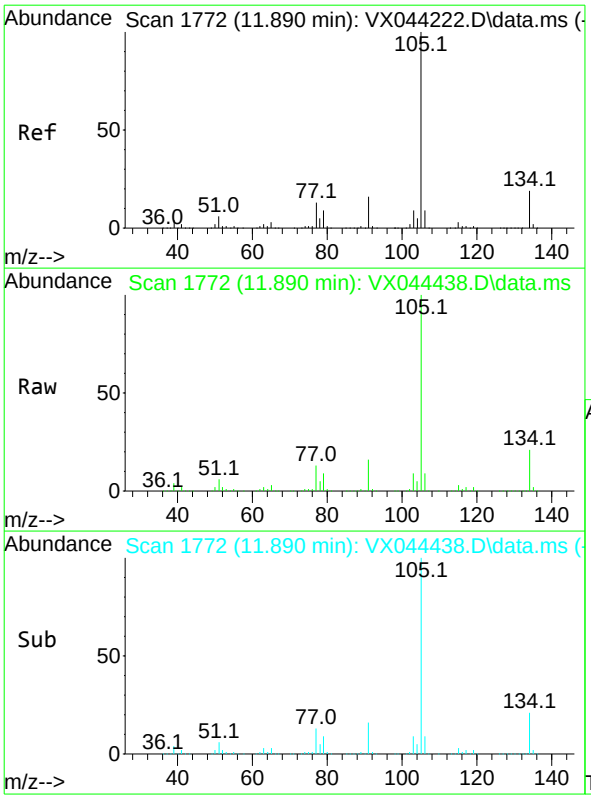



#84
1,2,4-Trimethylbenzene
Concen: 55.123 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:105 Resp: 327657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 21.7 | 65.1 |

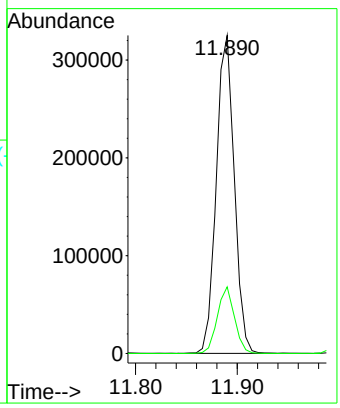





#85
sec-Butylbenzene
Concen: 54.989 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:105 Resp: 399310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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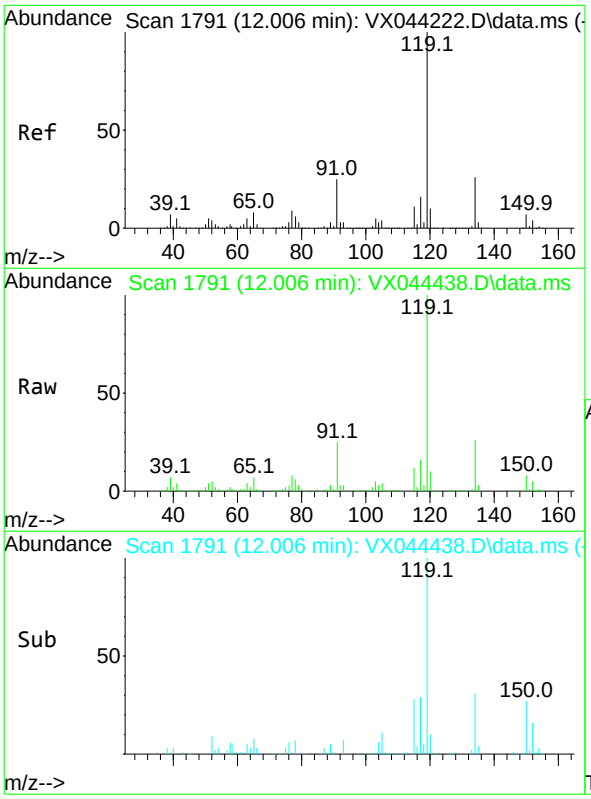
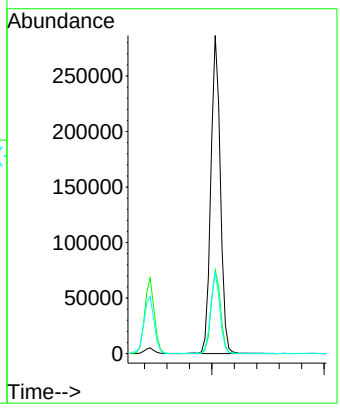
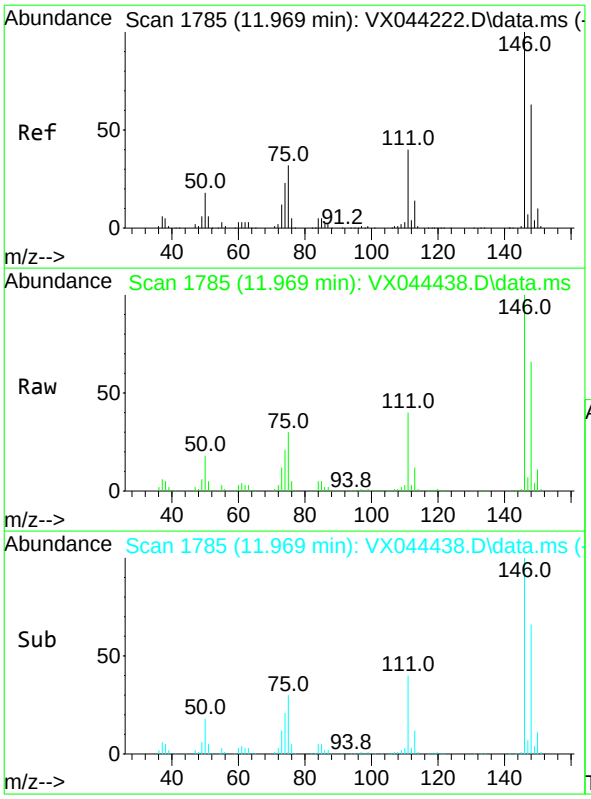



#86
p-Isopropyltoluene
Concen: 55.691 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:119 Resp: 336593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.8 | 38.4 |
| 91 | 24.8 | 13.0 | 39.0 |






#87
1,3-Dichlorobenzene
Concen: 55.839 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:146 Resp: 172628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 21.4 | 64.2 |
| 148 | 63.2 | 31.7 | 95.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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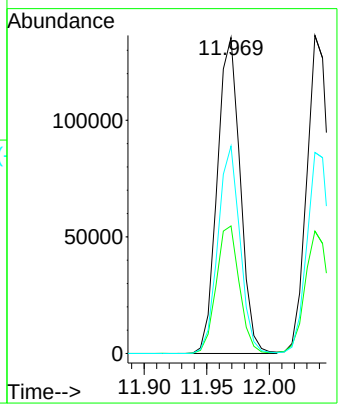
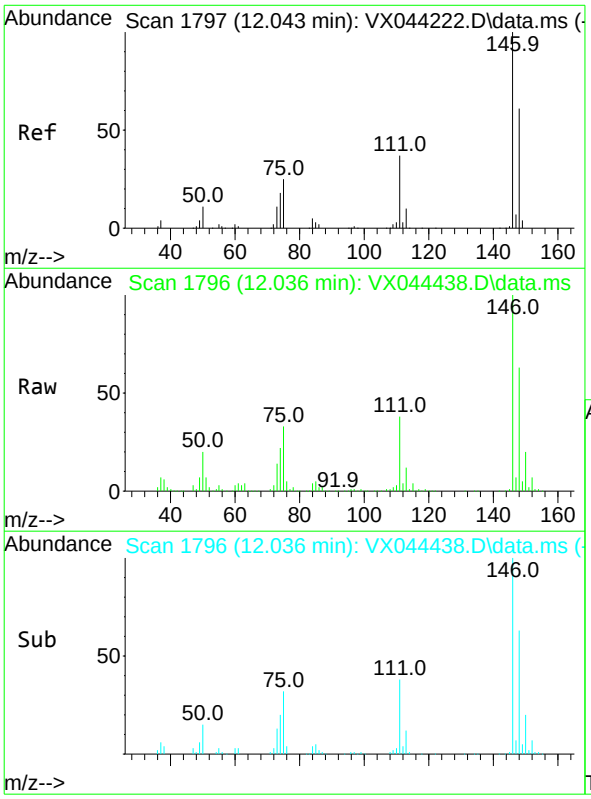
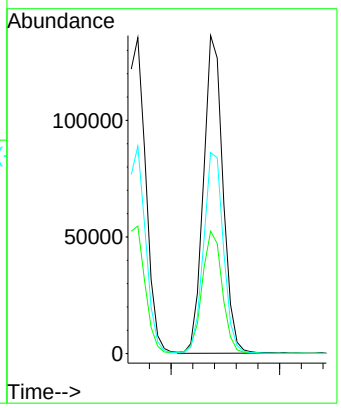


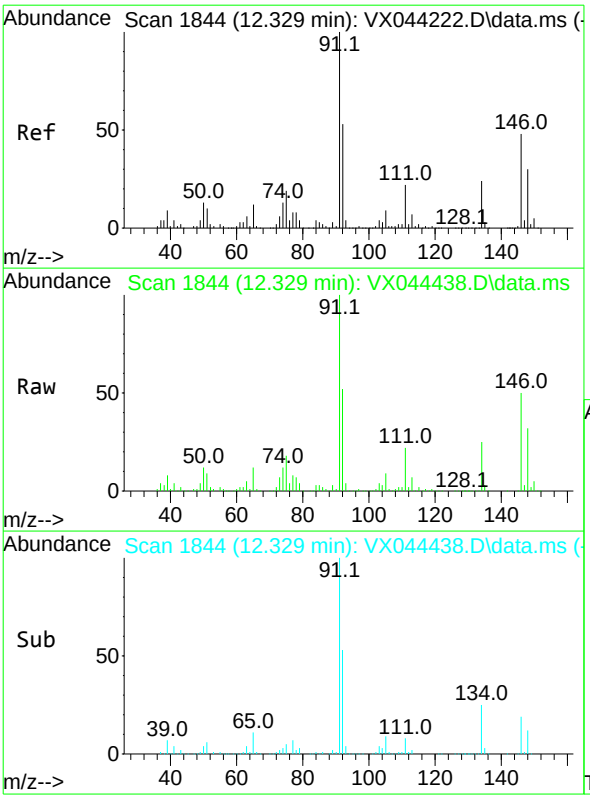




#88
1,4-Dichlorobenzene
Concen: 53.422 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:146 Resp: 169778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 21.0 | 63.0 |
| 148 | 65.0 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 57.503 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 91 Resp: 292244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.6 | 79.7 |
| 134 | 25.5 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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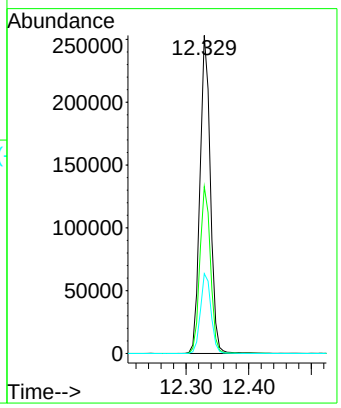
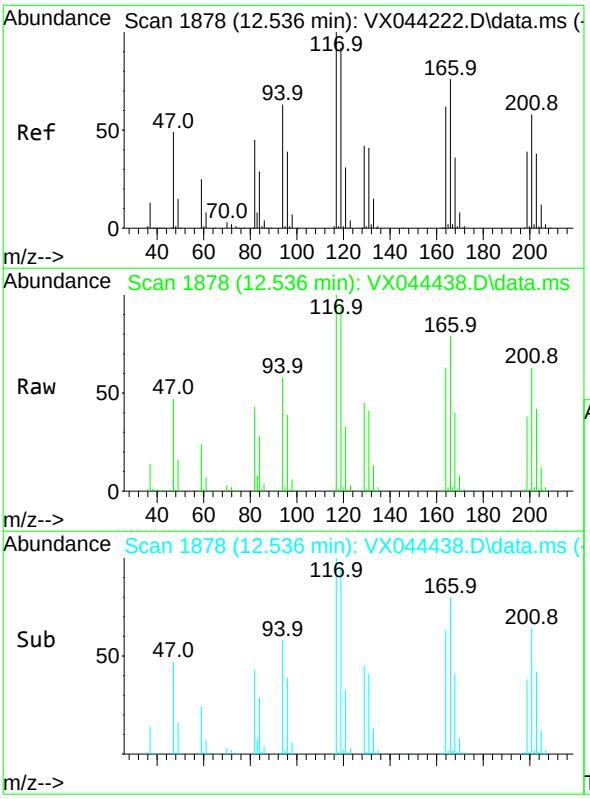
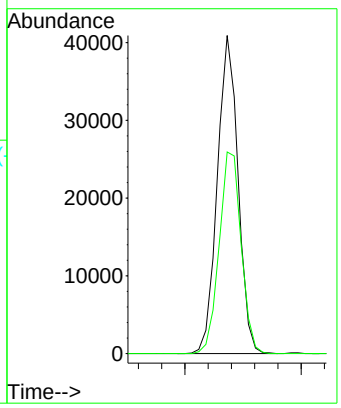


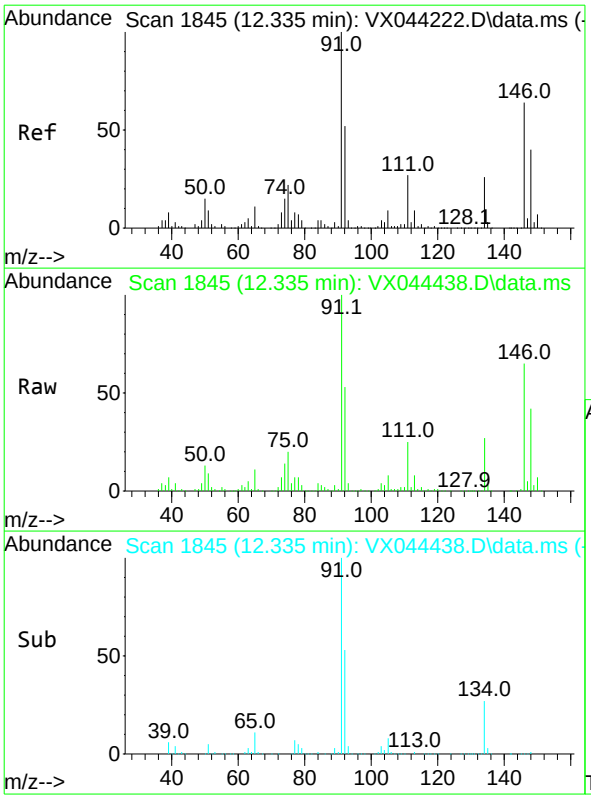




#90
Hexachloroethane
Concen: 57.385 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:117 Resp: 50629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.2 | 31.4 | 94.2 |

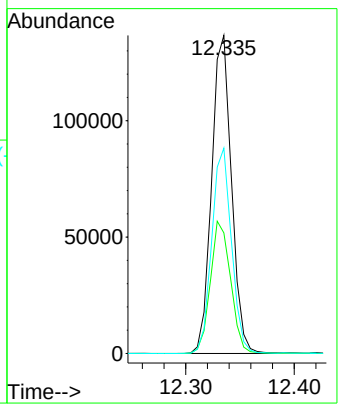





#91
1,2-Dichlorobenzene
Concen: 54.042 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:146 Resp: 173478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.4 | 64.3 |
| 148 | 64.2 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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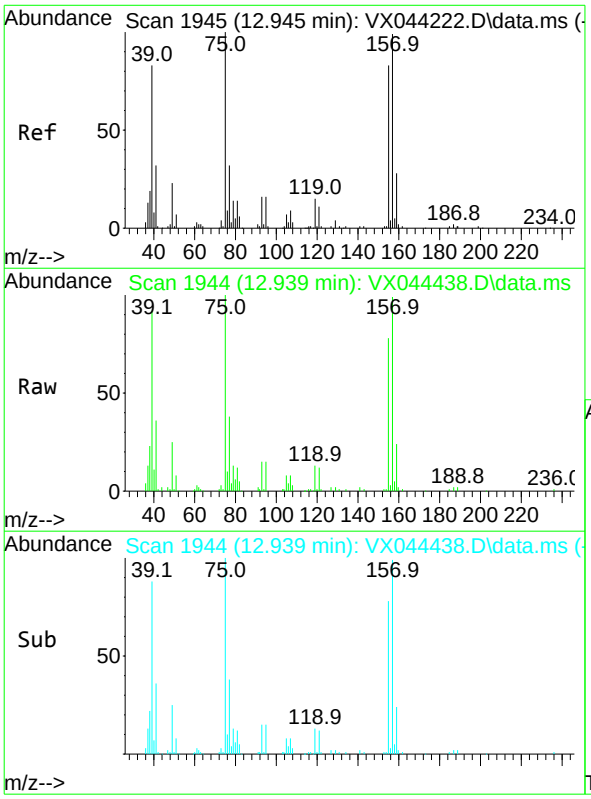
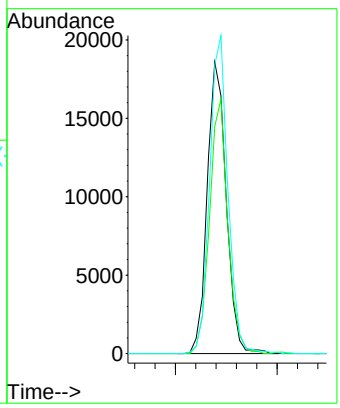
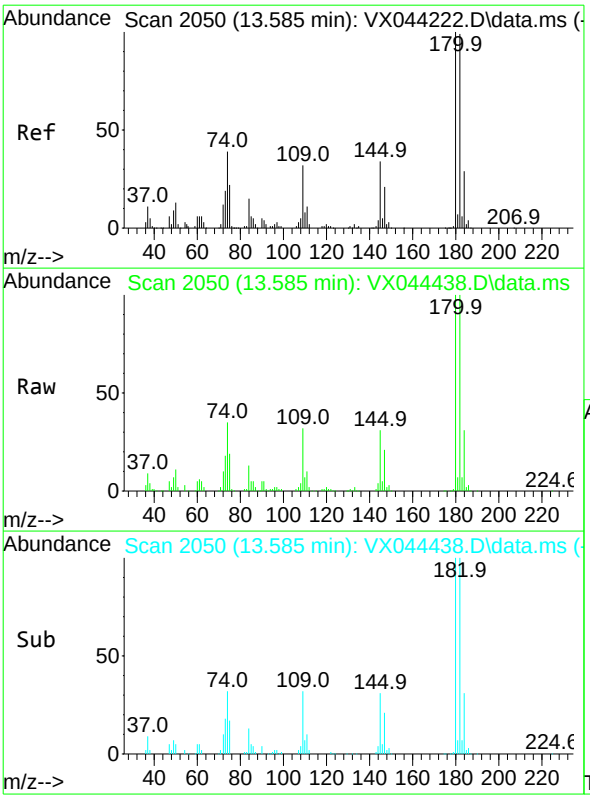



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.022 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 75 Resp: 24124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.8 | 38.1 | 114.3 |
| 157 | 105.4 | 47.2 | 141.6 |

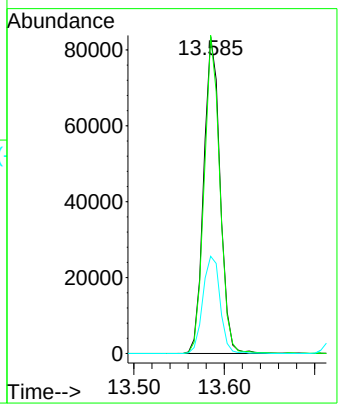





#93
1,2,4-Trichlorobenzene
Concen: 59.504 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:180 Resp: 104720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 48.0 | 144.2 |
| 145 | 32.4 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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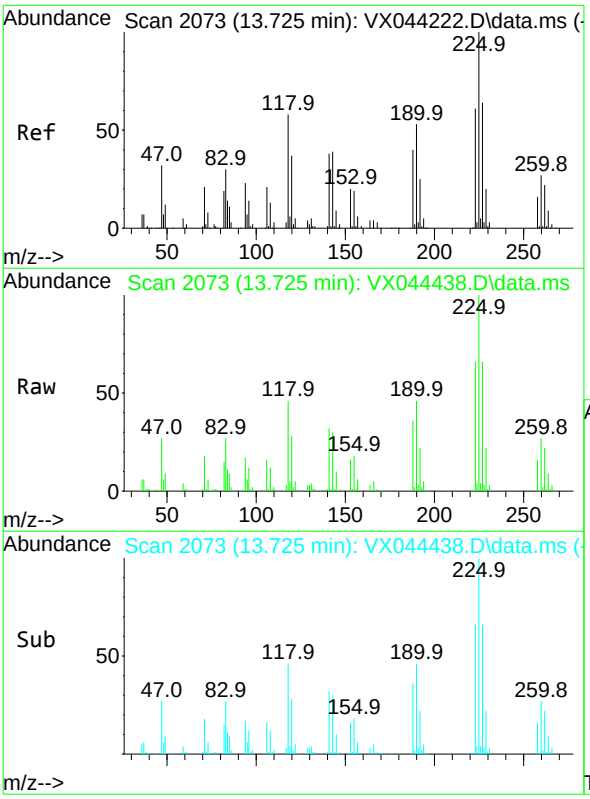
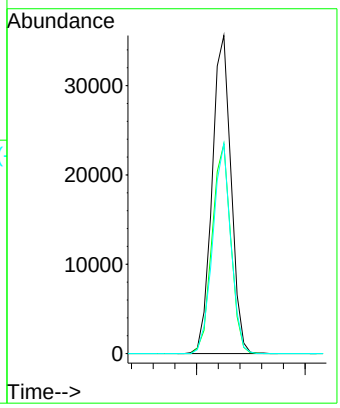
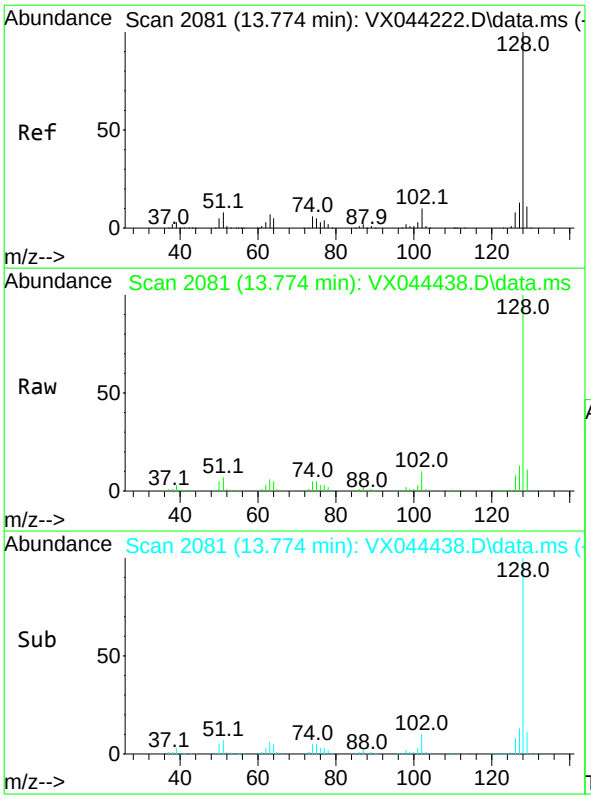



#94
Hexachlorobutadiene
Concen: 60.942 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:225 Resp: 43140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.7 | 30.8 | 92.4 |
| 227 | 63.1 | 32.1 | 96.3 |

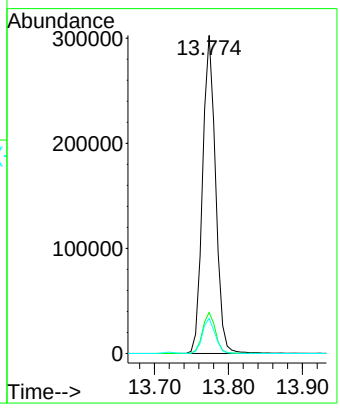





#95
Naphthalene
Concen: 53.772 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:128 Resp: 369385

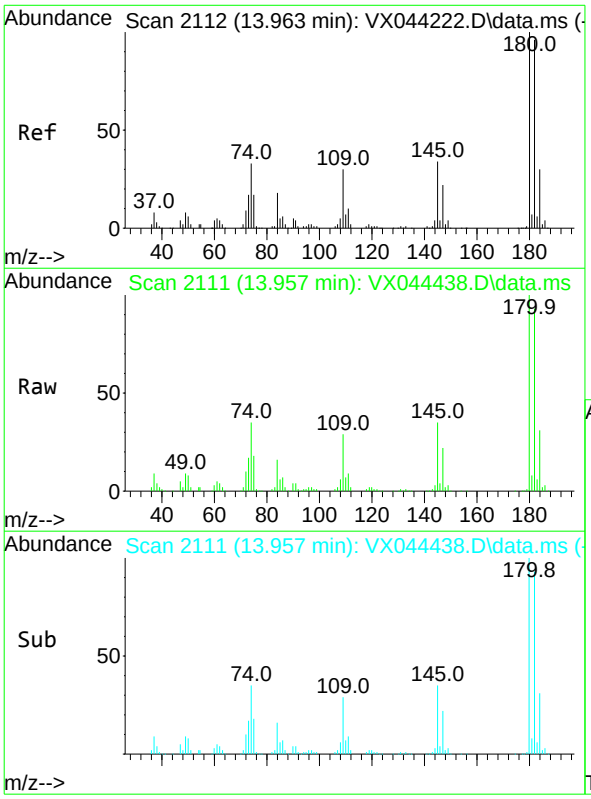
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.9 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

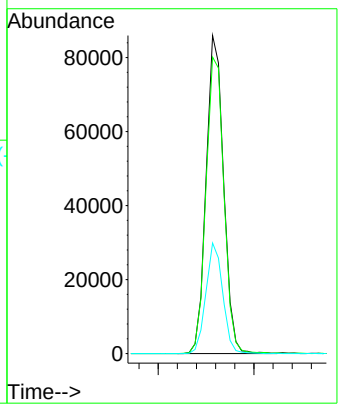
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024




#96
1,2,3-Trichlorobenzene
Concen: 58.216 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:180 Resp: 108667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 48.0 | 144.0 |
| 145 | 33.6 | 17.7 | 53.1 |



Sample Results: **VX044438.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.773 | 0.854 | -10.5 | 118 | 0.00 |
| 3 | P | Chloromethane | 0.739 | 0.782 | -5.8 | 112 | 0.00 |
| 4 | C | Vinyl Chloride | 0.770 | 0.798 | -3.6# | 110 | 0.00 |
| 5 | T | Bromomethane | 0.546 | 0.532 | 2.6 | 105 | 0.00 |
| 6 | T | Chloroethane | 0.480 | 0.473 | 1.5 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.508 | 1.482 | 1.7 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 0.515 | 0.479 | 7.0 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.676 | -10.8 | 119 | 0.00 |
| 10 | T | Methyl Iodide | 0.804 | 0.864 | -7.5 | 111 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.102 | 17.7 | 92 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.624 | -11.4# | 114 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.155 | 13.4 | 91 | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.963 | -3.2 | 104 | 0.00 |
| 15 | T | Acrylonitrile | 0.342 | 0.335 | 2.0 | 102 | 0.00 |
| 16 | T | Acetone | 0.357 | 0.291 | 18.5 | 83 | 0.00 |
| 17 | T | Carbon Disulfide | 1.065 | 1.106 | -3.8 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 0.922 | 0.896 | 2.8 | 102 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.187 | 2.093 | 4.3 | 99 | 0.00 |
| 20 | T | Methylene Chloride | 0.671 | 0.689 | -2.7 | 109 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.625 | -4.9 | 110 | 0.00 |
| 22 | T | Diisopropyl ether | 2.102 | 2.061 | 2.0 | 103 | 0.00 |
| 23 | T | Vinyl Acetate | 1.709 | 1.772 | -3.7 | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.172 | 1.203 | -2.6 | 105 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.457 | 10.0 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.952 | 0.990 | -4.0 | 103 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.756 | 0.755 | 0.1 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 0.575 | 0.553 | 3.8 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.297 | 8.9 | 96 | 0.00 |
| 30 | C | Chloroform | 1.316 | 1.265 | 3.9# | 102 | 0.00 |
| 31 | T | Cyclohexane | 0.946 | 1.000 | -5.7 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.093 | 1.099 | -0.5 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.877 | 0.836 | 4.7 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.392 | -13.3 | 103 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.448 | 0.494 | -10.3 | 108 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.556 | -0.5 | 93 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.482 | 0.533 | -10.6 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 0.535 | 0.648 | -21.1 | 113 | 0.00 |
| 40 | TM | Benzene | 1.359 | 1.529 | -12.5 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.296 | -0.7 | 95 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.560 | 0.586 | -4.6 | 97 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.883 | -2.1 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 0.339 | 0.388 | -14.5 | 108 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.347 | 0.369 | -6.3# | 100 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.300 | -11.5 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 0.465 | 0.525 | -12.9 | 100 | 0.00 |
| 48 | T | Methyl methacrylate | 0.420 | 0.416 | 1.0 | 91 | 0.00 |

Sample Results: **VX044438.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.006 | 14.3 | 81 | 0.00 |
| 50 | S | Toluene-d8 | 1.168 | 1.318 | -12.8 | 102 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.556 | 0.573 | -3.1 | 94 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.924 | -8.3# | 102 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.455 | 0.517 | -13.6 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.507 | 0.577 | -13.8 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.339 | 0.374 | -10.3 | 101 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.535 | 0.576 | -7.7 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.635 | -7.6 | 100 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.272 | -0.7 | 90 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.414 | -2.7 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 0.326 | 0.381 | -16.9 | 100 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.385 | -11.6 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.408 | 0.454 | -11.3 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 0.332 | 0.378 | -13.9 | 113 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.187 | -10.8 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.344 | 0.392 | -14.0 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 1.851 | 2.034 | -9.9# | 102 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.780 | -14.9 | 106 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.748 | -8.9 | 102 | 0.00 |
| 70 | T | Styrene | 1.102 | 1.275 | -15.7 | 106 | 0.00 |
| 71 | P | Bromoform | 0.219 | 0.266 | -21.5 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 73 | T | Isopropylbenzene | 3.828 | 4.095 | -7.0 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 1.769 | 1.800 | -1.8 | 94 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.329 | 1.387 | -4.4 | 104 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.116 | 1.131 | -1.3 | 101 | 0.00 |
| 77 | T | Bromobenzene | 0.928 | 1.002 | -8.0 | 106 | 0.00 |
| 78 | T | n-propylbenzene | 4.231 | 4.632 | -9.5 | 103 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.736 | 2.808 | -2.6 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.174 | 3.383 | -6.6 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.347 | 0.368 | -6.1 | 100 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.030 | 3.207 | -5.8 | 103 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.137 | 3.363 | -7.2 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.117 | 3.437 | -10.3 | 105 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.808 | 4.188 | -10.0 | 105 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.170 | 3.530 | -11.4 | 106 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.621 | 1.811 | -11.7 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.781 | -6.8 | 107 | 0.00 |
| 89 | T | n-Butylbenzene | 2.665 | 3.065 | -15.0 | 108 | 0.00 |
| 90 | T | Hexachloroethane | 0.463 | 0.531 | -14.7 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.820 | -8.1 | 106 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.253 | 1.9 | 93 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.923 | 1.098 | -19.0 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.371 | 0.452 | -21.8 | 123 | 0.00 |
| 95 | T | Naphthalene | 3.603 | 3.874 | -7.5 | 101 | 0.00 |

Sample Results: **VX044438.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.979 | 1.140 | -16.4 | 112 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044438.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 55.219 | -10.4 | 118 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.856 | -5.7 | 112 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.825 | -3.7# | 110 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.640 | 2.7 | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.350 | 1.3 | 97 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.144 | 1.7 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.573 | 6.9 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 55.436 | -10.9 | 119 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 53.737 | -7.5 | 111 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 207.237 | 17.1 | 92 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 55.650 | -11.3# | 114 | 0.00 |
| 13 | T | Acrolein | 250.000 | 216.034 | 13.6 | 91 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.595 | -3.2 | 104 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 245.064 | 2.0 | 102 | 0.00 |
| 16 | T | Acetone | 250.000 | 203.262 | 18.7 | 83 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 51.902 | -3.8 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 48.611 | 2.8 | 102 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 47.845 | 4.3 | 99 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.347 | -2.7 | 109 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.474 | -4.9 | 110 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.031 | 1.9 | 103 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 259.287 | -3.7 | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.322 | -2.6 | 105 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 225.066 | 10.0 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.979 | -4.0 | 103 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.931 | 0.1 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 48.128 | 3.7 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 227.599 | 9.0 | 96 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.035 | 3.9# | 102 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 52.839 | -5.7 | 111 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.298 | -0.6 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.679 | 4.6 | 98 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 56.586 | -13.2 | 103 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 55.205 | -10.4 | 108 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.217 | -0.4 | 93 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 55.304 | -10.6 | 103 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 60.512 | -21.0 | 113 | 0.00 |
| 40 | TM | Benzene | 50.000 | 56.259 | -12.5 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.310 | -0.6 | 95 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.362 | -4.7 | 97 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.076 | -2.2 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 57.285 | -14.6 | 108 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.131 | -6.3# | 100 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.676 | -11.4 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 56.402 | -12.8 | 100 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.554 | 0.9 | 91 | 0.00 |

Sample Results: **VX044438.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 906.120 | 9.4 | 81 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 56.385 | -12.8 | 102 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 257.494 | -3.0 | 94 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.120 | -8.2# | 102 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 51.640 | -3.3 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 56.913 | -13.8 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.124 | -10.2 | 101 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.800 | -7.6 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.824 | -7.6 | 100 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 252.070 | -0.8 | 90 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 256.860 | -2.7 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.901 | -5.8 | 100 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.721 | -11.4 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.640 | -11.3 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 57.001 | -14.0 | 113 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 55.402 | -10.8 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 56.959 | -13.9 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.936 | -9.9# | 102 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 114.771 | -14.8 | 106 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.389 | -8.8 | 102 | 0.00 |
| 70 | T | Styrene | 50.000 | 57.862 | -15.7 | 106 | 0.00 |
| 71 | P | Bromoform | 50.000 | 54.671 | -9.3 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.495 | -7.0 | 105 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.885 | -1.8 | 94 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.145 | -4.3 | 104 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.641 | -1.3 | 101 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 53.953 | -7.9 | 106 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.741 | -9.5 | 103 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.311 | -2.6 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.284 | -6.6 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.498 | 5.0 | 100 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.929 | -5.9 | 103 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.600 | -7.2 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.123 | -10.2 | 105 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 54.989 | -10.0 | 105 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.691 | -11.4 | 106 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 55.839 | -11.7 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.422 | -6.8 | 107 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 57.503 | -15.0 | 108 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 57.385 | -14.8 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 54.042 | -8.1 | 106 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.022 | 2.0 | 93 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 59.504 | -19.0 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 60.942 | -21.9 | 123 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.772 | -7.5 | 101 | 0.00 |

Sample Results: **VX044438.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 58.216 | -16.4 | 112 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044464.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/20/2024 19:49

Lab File ID: VX044464.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.773 | 0.744 | | -3.75 | 50 |
| Chloromethane | 0.739 | 0.696 | 0.1 | -5.82 | 50 |
| Vinyl Chloride | 0.770 | 0.730 | | -5.2 | 50 |
| Bromomethane | 0.546 | 0.498 | | -8.79 | 50 |
| Chloroethane | 0.480 | 0.507 | | 5.63 | 50 |
| Trichlorofluoromethane | 1.508 | 1.202 | | -20.29 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.610 | 0.590 | | -3.28 | 50 |
| 1,1-Dichloroethene | 0.560 | 0.560 | | 0 | 50 |
| Acetone | 0.357 | 0.270 | | -24.37 | 50 |
| Carbon Disulfide | 1.065 | 1.089 | | 2.25 | 50 |
| Methyl tert-butyl Ether | 2.187 | 1.972 | | -9.83 | 50 |
| Methyl Acetate | 0.922 | 0.860 | | -6.72 | 50 |
| Methylene Chloride | 0.671 | 0.636 | | -5.22 | 50 |
| trans-1,2-Dichloroethene | 0.596 | 0.578 | | -3.02 | 50 |
| 1,1-Dichloroethane | 1.172 | 1.125 | 0.1 | -4.01 | 50 |
| Cyclohexane | 0.946 | 0.871 | | -7.93 | 50 |
| 2-Butanone | 0.508 | 0.433 | | -14.76 | 50 |
| Carbon Tetrachloride | 0.482 | 0.495 | | 2.7 | 50 |
| cis-1,2-Dichloroethene | 0.756 | 0.719 | | -4.89 | 50 |
| Bromochloromethane | 0.575 | 0.510 | | -11.3 | 50 |
| Chloroform | 1.316 | 1.190 | | -9.57 | 50 |
| 1,1,1-Trichloroethane | 1.093 | 1.029 | | -5.86 | 50 |
| Methylcyclohexane | 0.535 | 0.550 | | 2.8 | 50 |
| Benzene | 1.359 | 1.393 | | 2.5 | 50 |
| 1,2-Dichloroethane | 0.560 | 0.534 | | -4.64 | 50 |
| Trichloroethene | 0.339 | 0.360 | | 6.2 | 50 |
| 1,2-Dichloropropane | 0.347 | 0.345 | | -0.58 | 50 |
| Bromodichloromethane | 0.465 | 0.491 | | 5.59 | 50 |
| 4-Methyl-2-Pentanone | 0.556 | 0.524 | | -5.76 | 50 |
| Toluene | 0.853 | 0.855 | | 0.23 | 50 |
| t-1,3-Dichloropropene | 0.455 | 0.482 | | 5.93 | 50 |
| cis-1,3-Dichloropropene | 0.507 | 0.531 | | 4.73 | 50 |
| 1,1,2-Trichloroethane | 0.339 | 0.345 | | 1.77 | 50 |
| 2-Hexanone | 0.403 | 0.381 | | -5.46 | 50 |
| Dibromochloromethane | 0.326 | 0.361 | | 10.74 | 50 |
| 1,2-Dibromoethane | 0.345 | 0.366 | | 6.09 | 50 |
| Tetrachloroethene | 0.332 | 0.343 | | 3.31 | 50 |
| Chlorobenzene | 1.071 | 1.094 | 0.3 | 2.15 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/20/2024 19:49

Lab File ID: VX044464.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 1.868 | | 0.92 | 50 |
| m/p-Xylenes | 0.679 | 0.713 | | 5.01 | 50 |
| o-Xylene | 0.687 | 0.708 | | 3.06 | 50 |
| Styrene | 1.102 | 1.163 | | 5.53 | 50 |
| Bromoform | 0.219 | 0.251 | 0.1 | 14.61 | 50 |
| Isopropylbenzene | 3.828 | 3.829 | | 0.03 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.329 | 1.278 | 0.3 | -3.84 | 50 |
| 1,3-Dichlorobenzene | 1.621 | 1.669 | | 2.96 | 50 |
| 1,4-Dichlorobenzene | 1.667 | 1.653 | | -0.84 | 50 |
| 1,2-Dichlorobenzene | 1.684 | 1.709 | | 1.49 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.258 | 0.238 | | -7.75 | 50 |
| 1,2,4-Trichlorobenzene | 0.923 | 1.000 | | 8.34 | 50 |
| 1,2,3-Trichlorobenzene | 0.979 | 1.036 | | 5.82 | 50 |
| 1,2-Dichloroethane-d4 | 0.877 | 0.778 | | -11.29 | 50 |
| Dibromofluoromethane | 0.346 | 0.363 | | 4.91 | 50 |
| Toluene-d8 | 1.168 | 1.213 | | 3.85 | 50 |
| 4-Bromofluorobenzene | 0.408 | 0.418 | | 2.45 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VX044464.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| **Internal Standards** | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 140284 | 50.000 ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 239068 | 50.000 ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 206477 | 50.000 ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 97831 | 50.000 ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 109103 | 44.357 ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 88.720% | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 86675 | 52.347 ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.700% | | |
| 50) Toluene-d8 | 8.647 | 98 | 290046 | 51.923 ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.840% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 99862 | 51.161 ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 102.320% | | |
| **Target Compounds** | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 104302 | 48.084 ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 97601 | 47.052 ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 102407 | 47.388 ug/l | 96 |
| 5) Bromomethane | 1.593 | 94 | 69880 | 45.581 ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 71114 | 52.848 ug/l | 97 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 168610 | 39.855 ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 61643 | 42.687 ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 82704 | 48.311 ug/l | 96 |
| 10) Methyl Iodide | 2.441 | 142 | 113213 | 50.177 ug/l | 98 |
| 11) Tert butyl alcohol | 2.989 | 59 | 71333 | 205.778 ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 78622 | 50.001 ug/l | 95 |
| 13) Acrolein | 2.239 | 56 | 111786 | 222.774 ug/l | 98 |
| 14) Allyl chloride | 2.654 | 41 | 124514 | 47.541 ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 217189 | 226.182 ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 189212 | 188.692 ug/l | 95 |
| 17) Carbon Disulfide | 2.502 | 76 | 152826 | 51.130 ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 120686 | 46.678 ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 276668 | 45.089 ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 89276 | 47.401 ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 81078 | 48.517 ug/l | 99 |
| 22) Diisopropyl ether | 3.764 | 45 | 265503 | 45.018 ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1167584 | 243.510 ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 157858 | 48.018 ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 303982 | 213.237 ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 116211 | 43.513 ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 100836 | 47.511 ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 71526 | 44.369 ug/l | 95 |
| 29) Tetrahydrofuran | 5.007 | 42 | 194494 | 212.557 ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 166909 | 45.189 ug/l | 99 |
| 31) Cyclohexane | 5.464 | 56 | 122203 | 46.033 ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 144394 | 47.095 ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 104911 | 49.017 ug/l | 97 |
| 37) Ethyl Acetate | 4.721 | 43 | 127468 | 48.180 ug/l | 100 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 118357 | 51.365 ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 131438 | 51.370 ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 333117 | 51.262 ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 66592 | 47.401 ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 127634 | 47.680 ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 198680 | 48.047 ug/l | | 98 |
| 44) Trichloroethene | 7.117 | 130 | 86021 | 53.083 ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 82383 | 49.622 ug/l | | 96 |
| 46) Dibromomethane | 7.574 | 93 | 65924 | 51.184 ug/l | | 94 |
| 47) Bromodichloromethane | 7.818 | 83 | 117278 | 52.723 ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 94575 | 47.115 ug/l | | 96 |
| 49) 1,4-Dioxane | 7.659 | 88 | 33398 | 1003.530 ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 625919 | 235.413 ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 204328 | 50.071 ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 115268 | 48.388 ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 127004 | 52.437 ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 82378 | 50.814 ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 131845 | 51.516 ug/l | | 95 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 140522 | 49.799 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 314516 | 243.652 ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 454909 | 236.376 ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 86219 | 50.206 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 87547 | 53.053 ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 70888 | 51.727 ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 225888 | 51.056 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 79060 | 55.601 ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 385756 | 50.462 ug/l | | 96 |
| 68) m/p-Xylenes | 10.299 | 106 | 294612 | 105.028 ug/l | | 95 |
| 69) o-Xylene | 10.640 | 106 | 146149 | 51.494 ug/l | | 93 |
| 70) Styrene | 10.653 | 104 | 240058 | 52.761 ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 51823 | 51.900 ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 374548 | 50.011 ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 168135 | 48.576 ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 125030 | 48.065 ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 102028m | 46.709 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 94262 | 51.903 ug/l | | 94 |
| 78) n-propylbenzene | 11.305 | 91 | 417465 | 50.432 ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 253139 | 47.285 ug/l | | 96 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 309218 | 49.787 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 32407 | 43.348 ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 289306 | 48.802 ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 312731 | 50.950 ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 308415 | 50.564 ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 376639 | 50.546 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 319422 | 51.504 ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 163311 | 51.480 ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 161681 | 49.579 ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 261860 | 50.212 ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 47928 | 52.940 ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 167214 | 50.764 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 23250 | 46.042 ug/l | | 87 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 97858 | 54.188 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 40506 | 55.763 ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 343151 | 48.680 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 101400 | 52.939 ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

Sample Results: **VX044464.D**

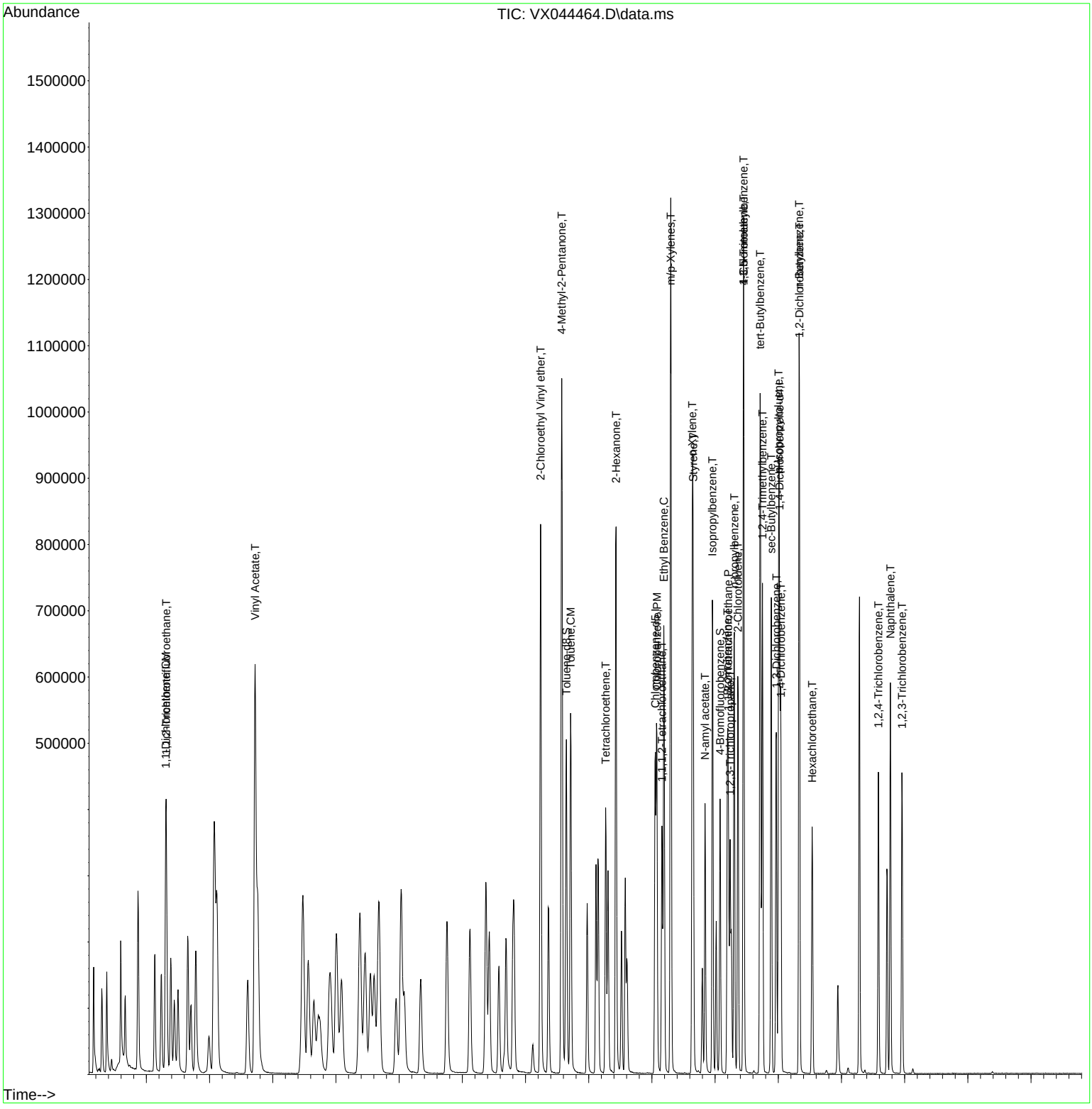
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

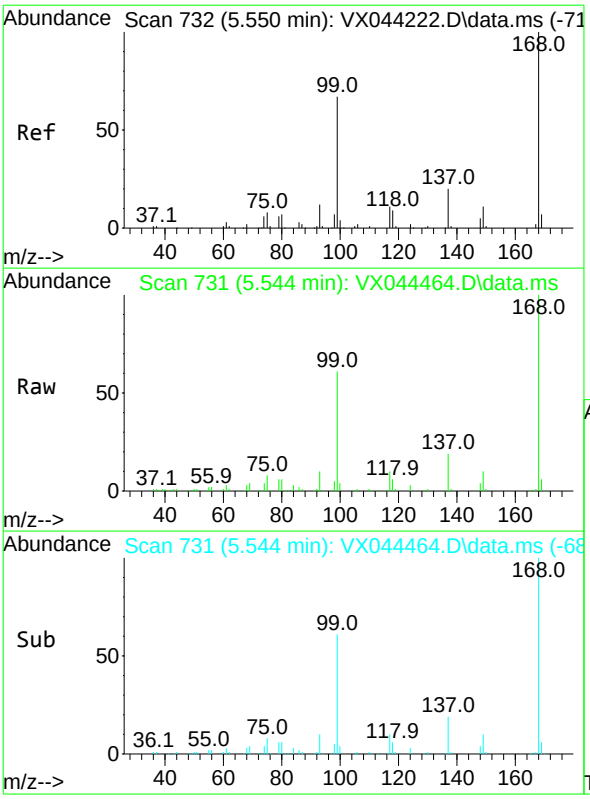
Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

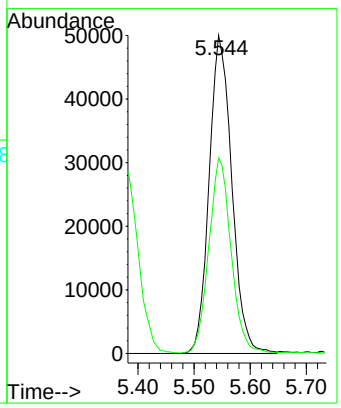





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:168 Resp: 140284

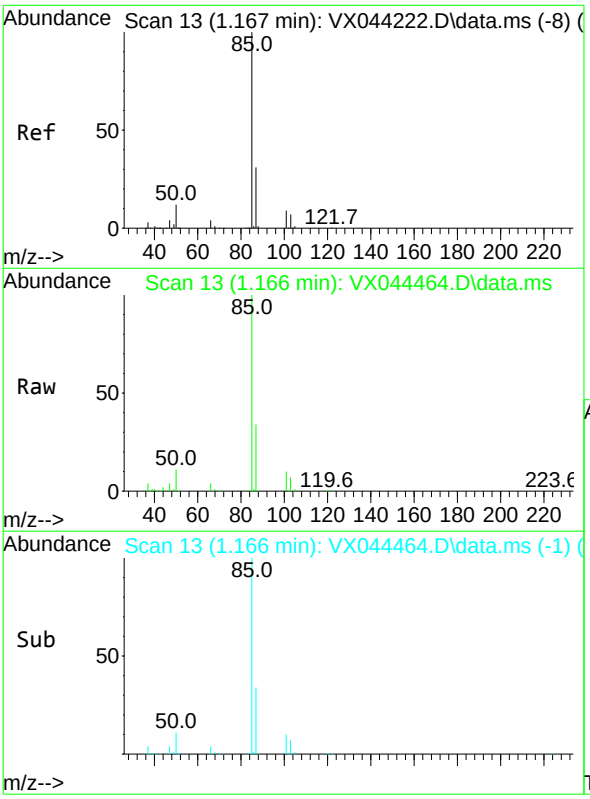
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.2 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

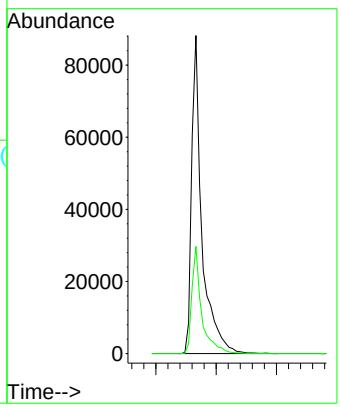
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

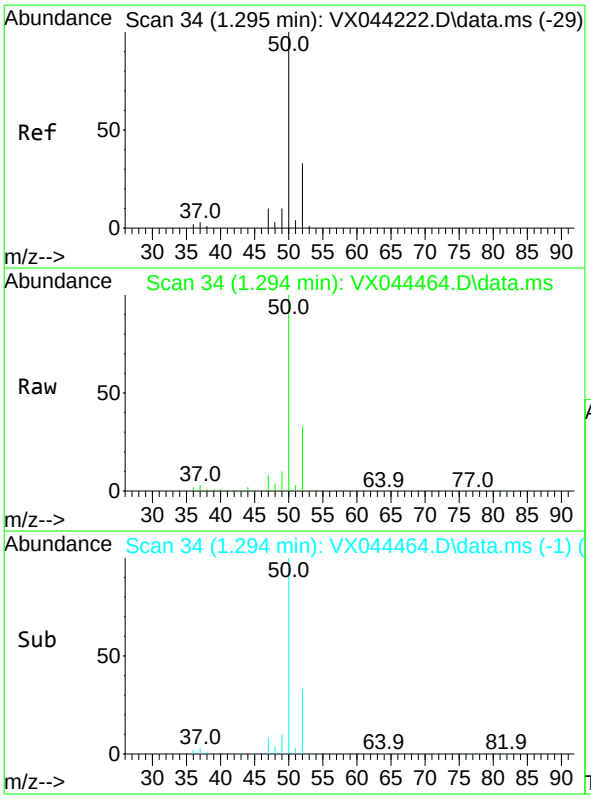



#2
Dichlorodifluoromethane
Concen: 48.084 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 85 Resp: 104302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.7 | 15.4 | 46.4 |

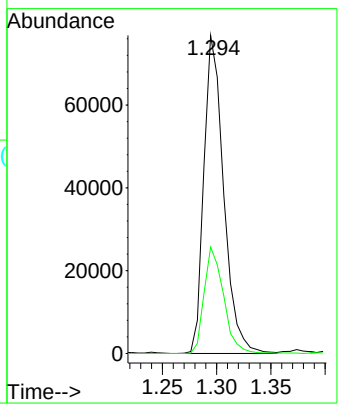





#3
Chloromethane
Concen: 47.052 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 50 Resp: 97601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
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VSTDCCC050EC

**Manual Integrations**
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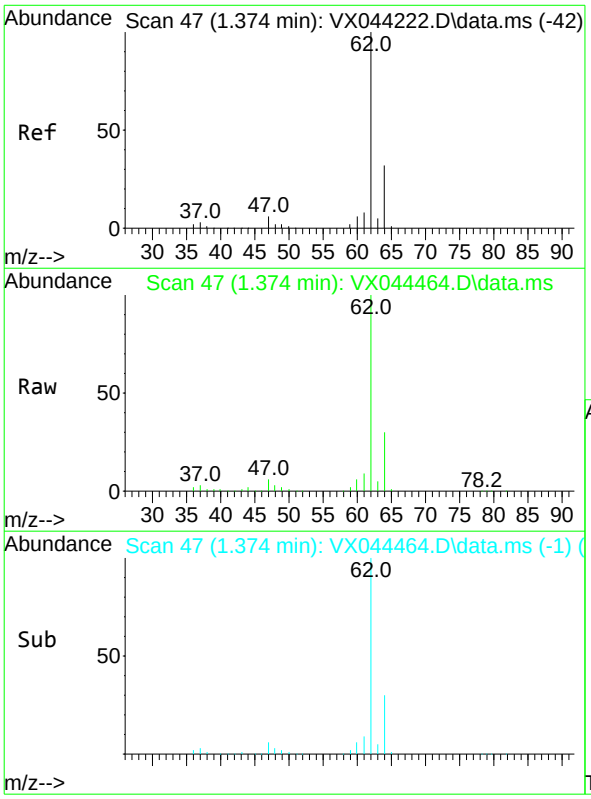
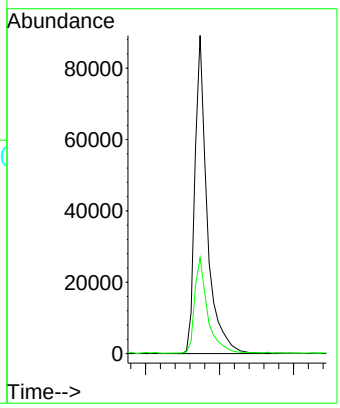
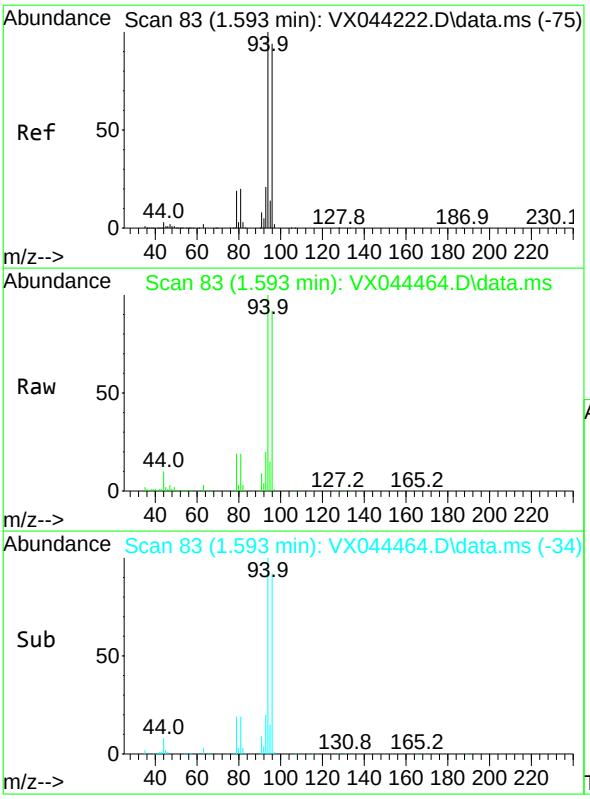



#4
Vinyl Chloride
Concen: 47.388 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 62 Resp: 102407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.0 | 25.7 | 38.5 |

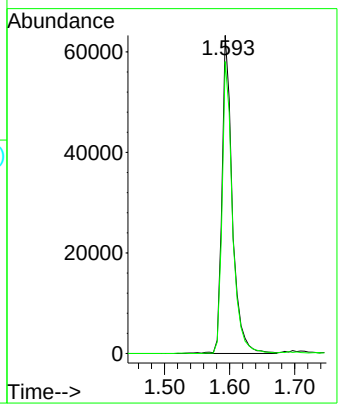





#5
Bromomethane
Concen: 45.581 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 94 Resp: 69880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.7 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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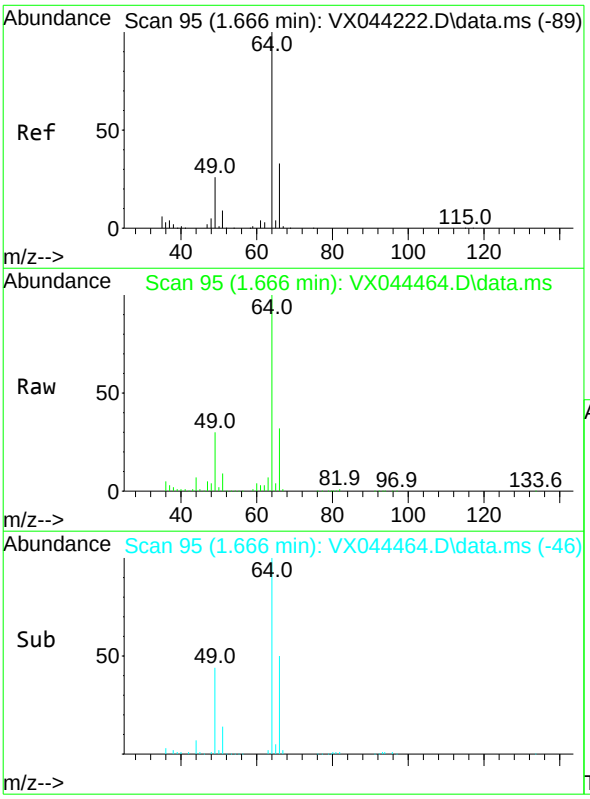
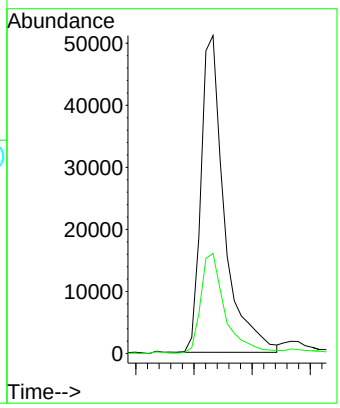
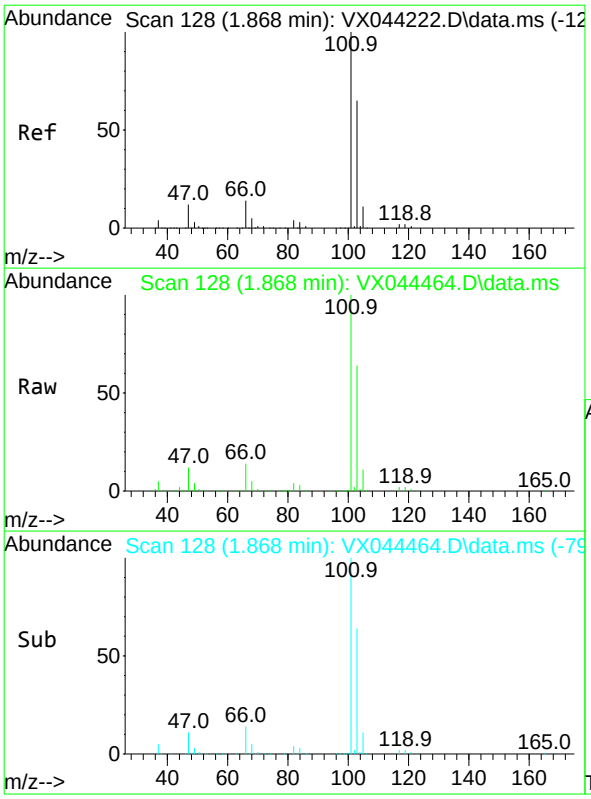



#6
Chloroethane
Concen: 52.848 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 64 Resp: 71114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.5 | 26.6 | 39.8 |

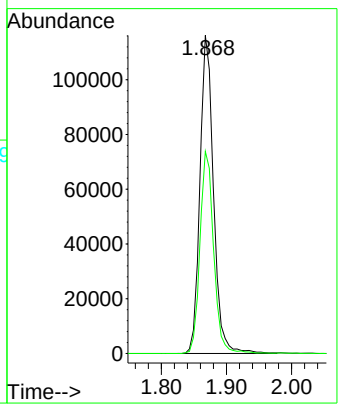





#7
Trichlorofluoromethane
Concen: 39.855 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:101 Resp: 168610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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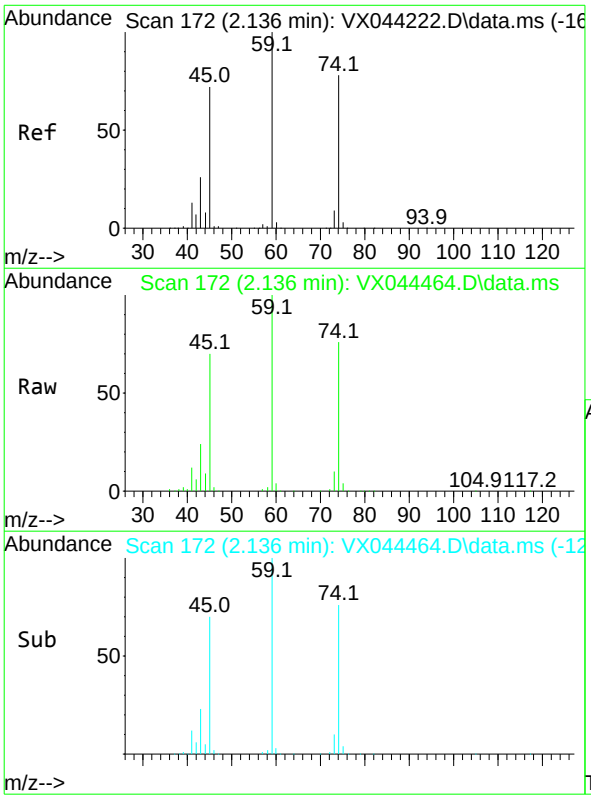
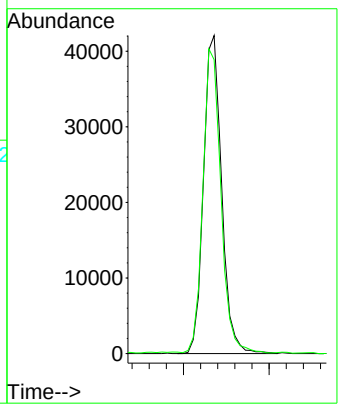
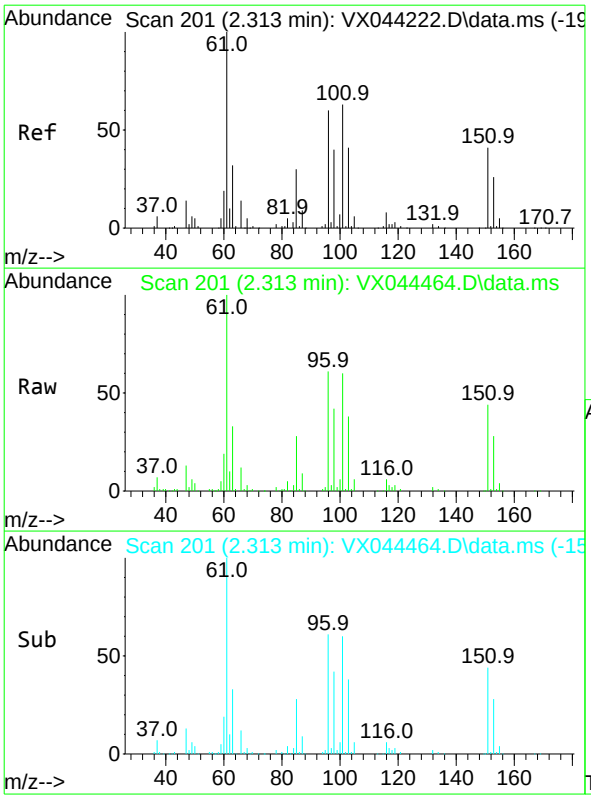



#8
Diethyl Ether
Concen: 42.687 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 74 Resp: 61643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 94.9 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.311 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:101 Resp: 82704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.4 | 38.5 | 57.7 |
| 151 | 73.6 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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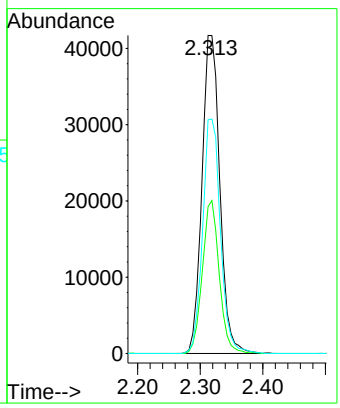
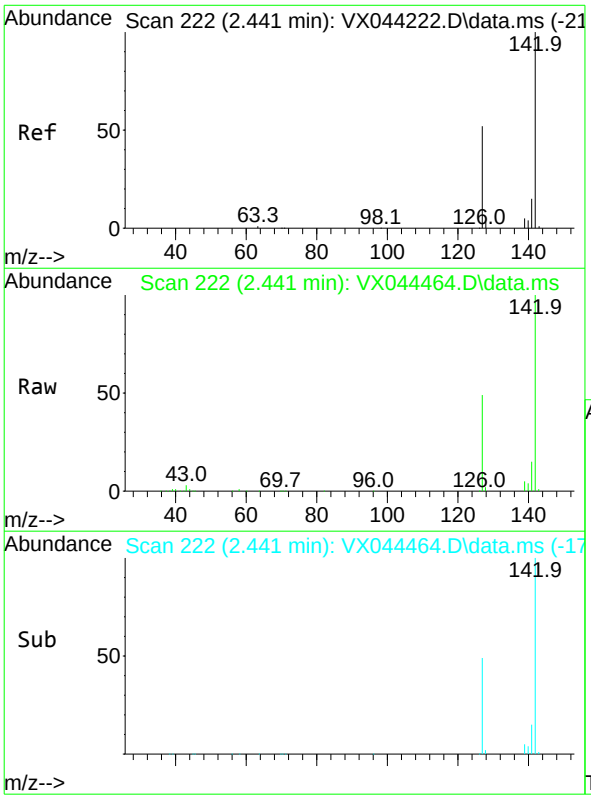
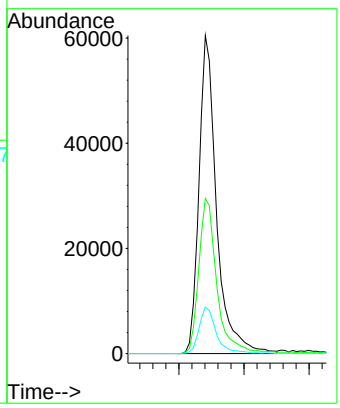


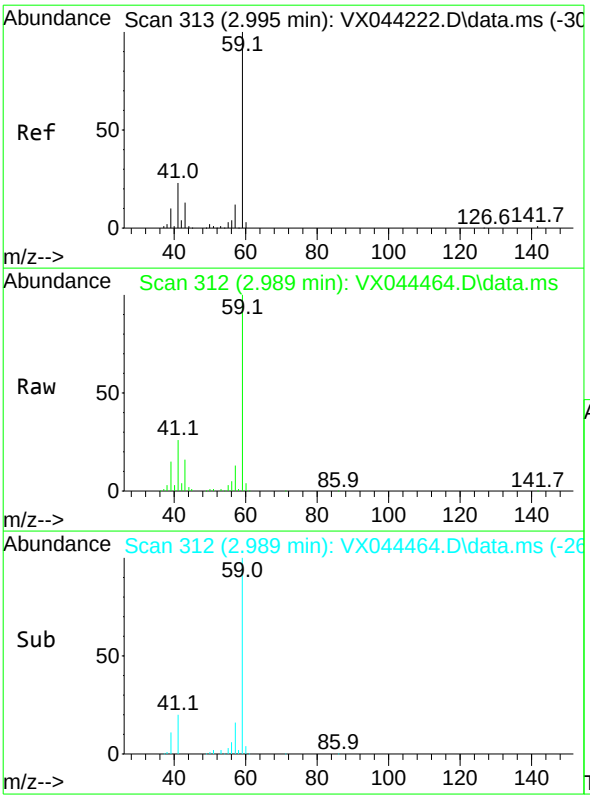




#10
Methyl Iodide
Concen: 50.177 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:142 Resp: 113213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.5 | 41.8 | 62.8 |
| 141 | 14.5 | 11.5 | 17.3 |

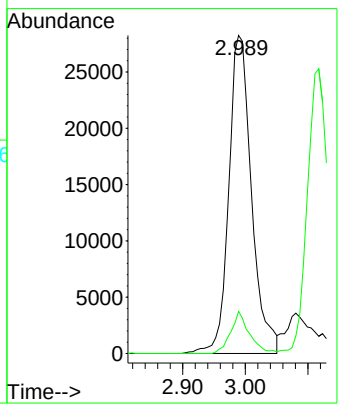





#11
Tert butyl alcohol
Concen: 205.778 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 59 Resp: 71333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
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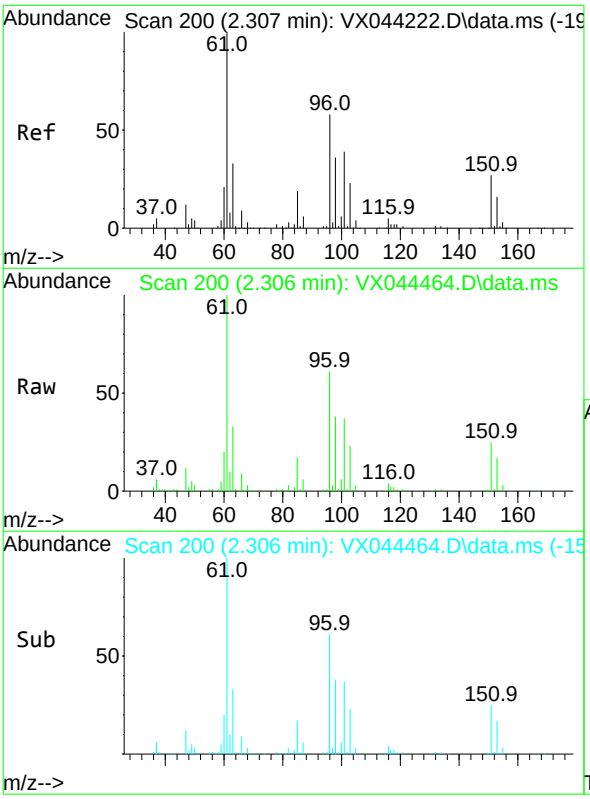
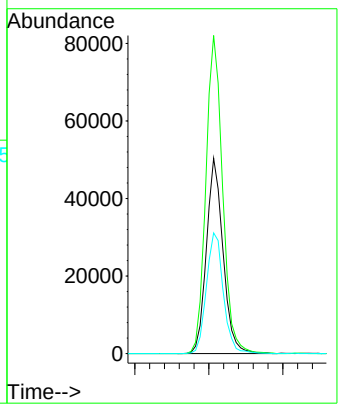
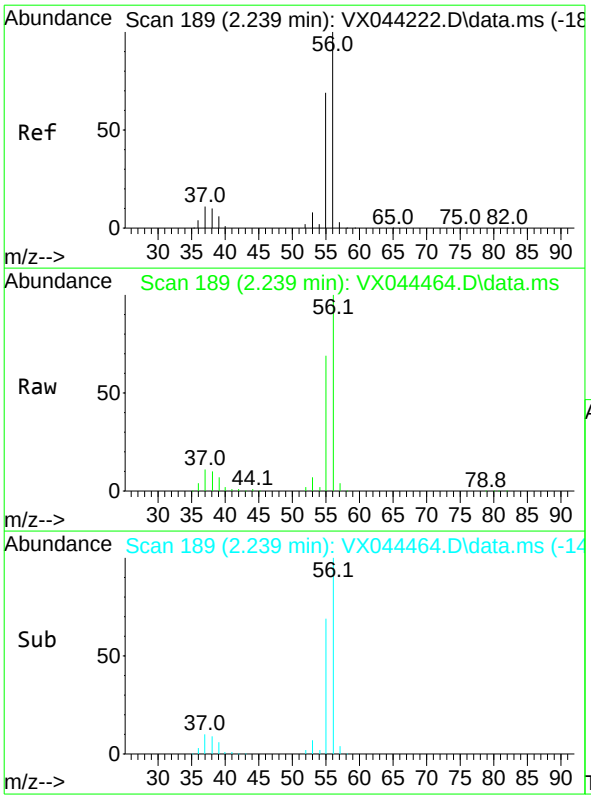



#12
1,1-Dichloroethene
Concen: 50.001 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 96 Resp: 78622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.8 | 138.0 | 207.0 |
| 98 | 61.8 | 50.0 | 75.0 |

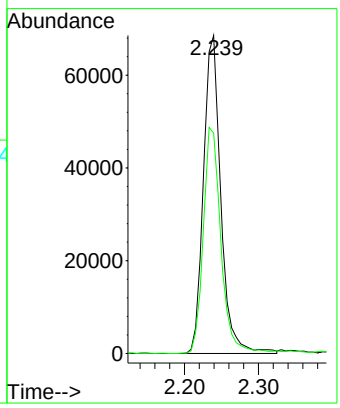





#13
Acrolein
Concen: 222.774 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 56 Resp: 111786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.3 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
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VSTDCCC050EC

**Manual Integrations**
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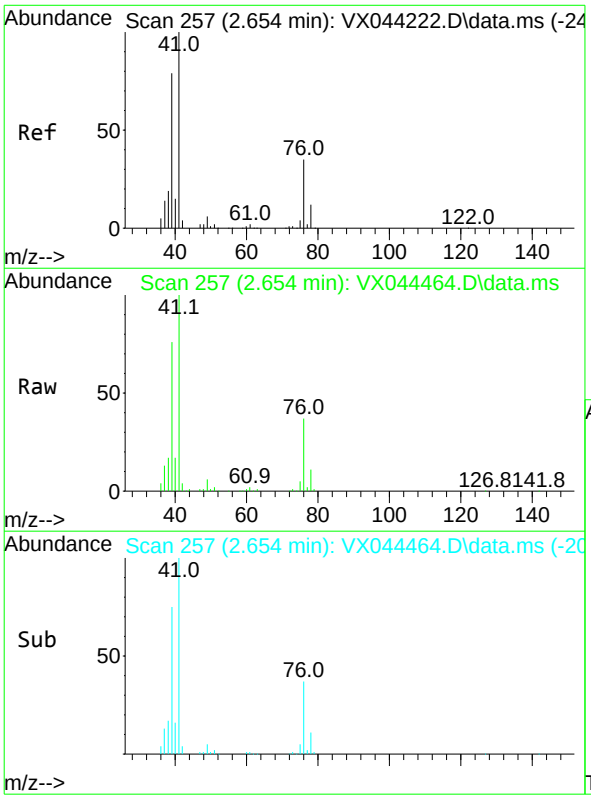
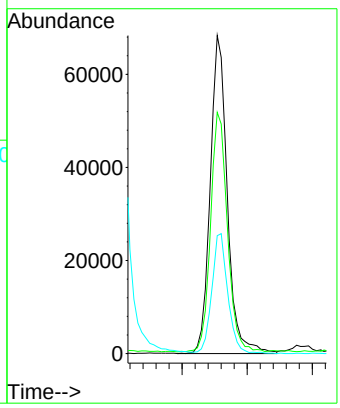
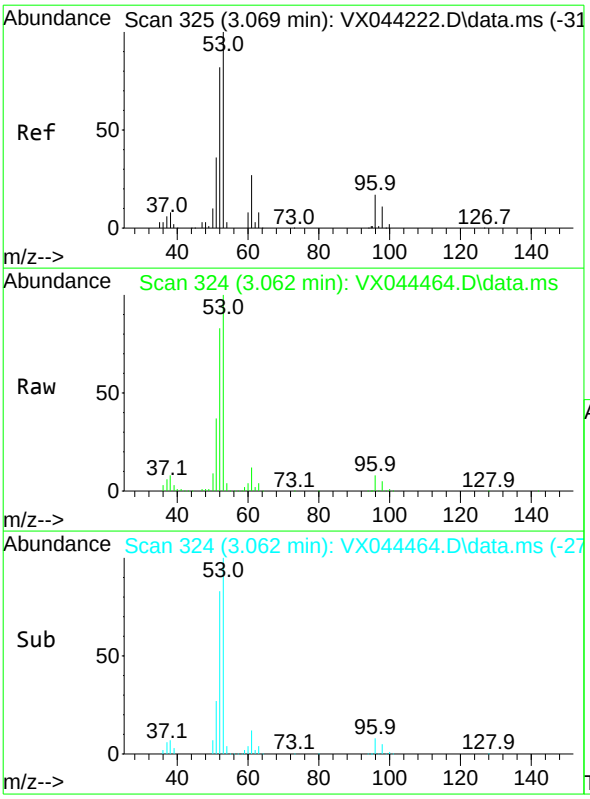



#14
Allyl chloride
Concen: 47.541 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 41 Resp: 124514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.1 | 61.9 | 92.9 |
| 76 | 35.4 | 27.4 | 41.2 |

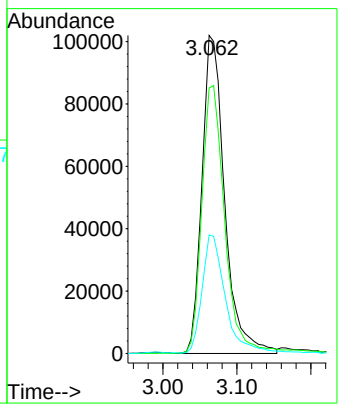





#15
Acrylonitrile
Concen: 226.182 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 53 Resp: 217189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 86.6 | 67.4 | 101.0 |
| 51 | 38.5 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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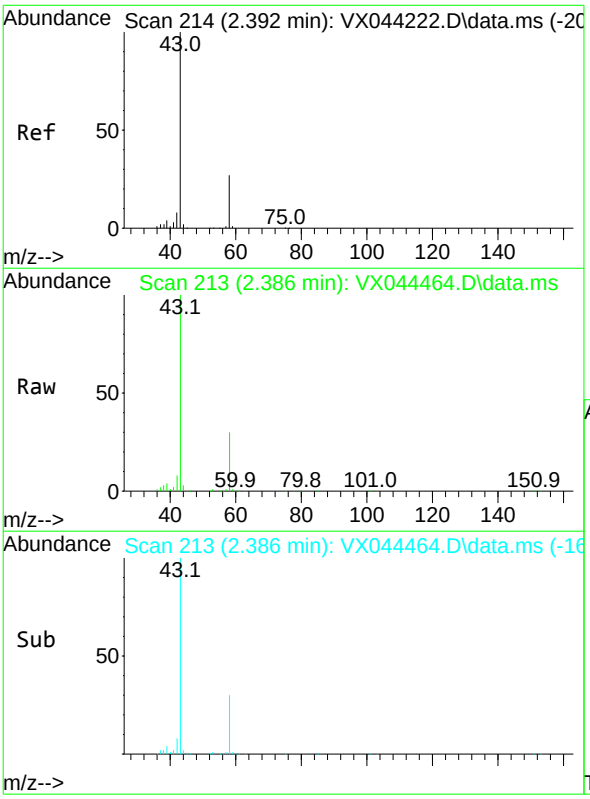
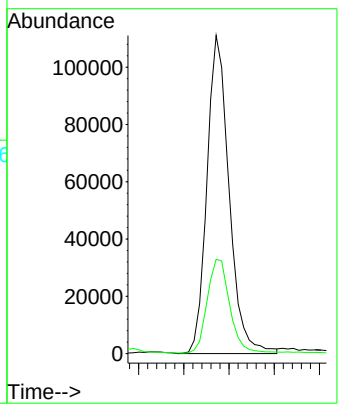
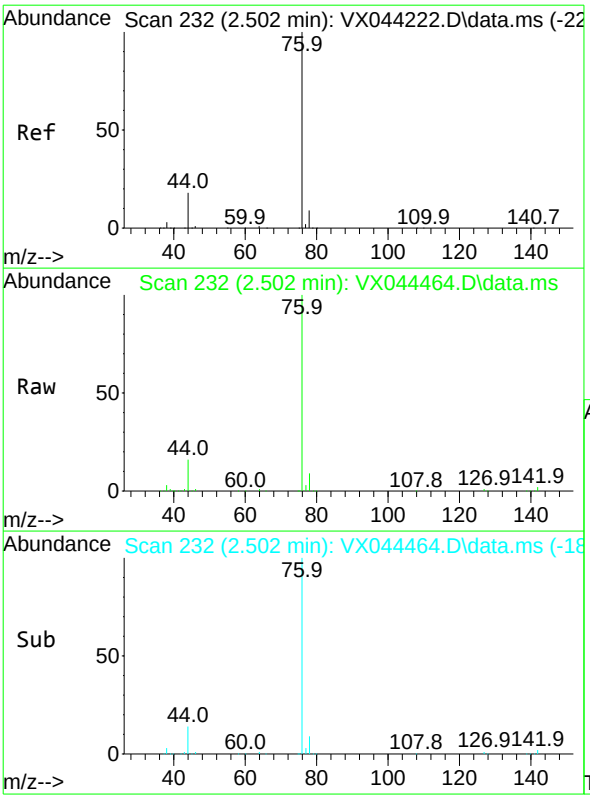



#16
Acetone
Concen: 188.692 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 189212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 21.6 | 32.4 |

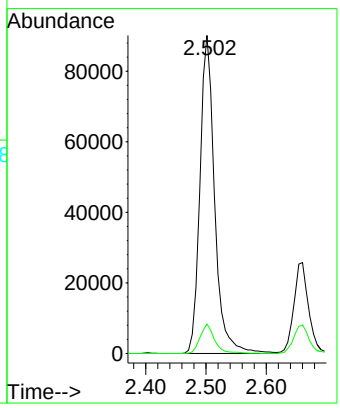





#17
Carbon Disulfide
Concen: 51.130 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 76 Resp: 152826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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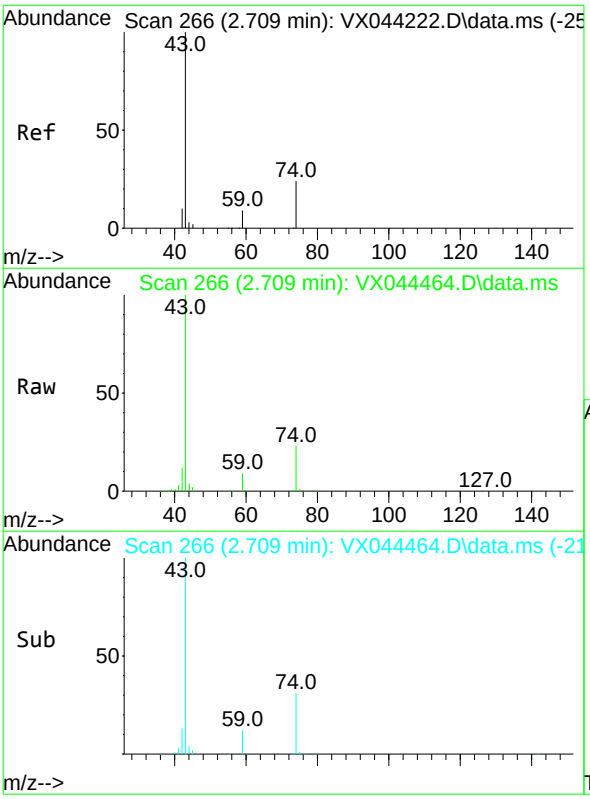
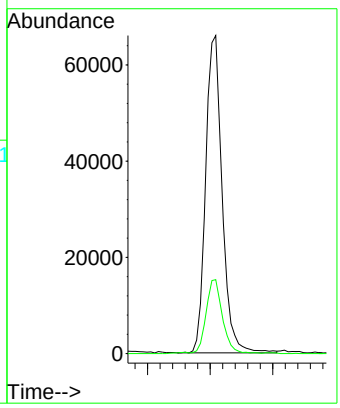
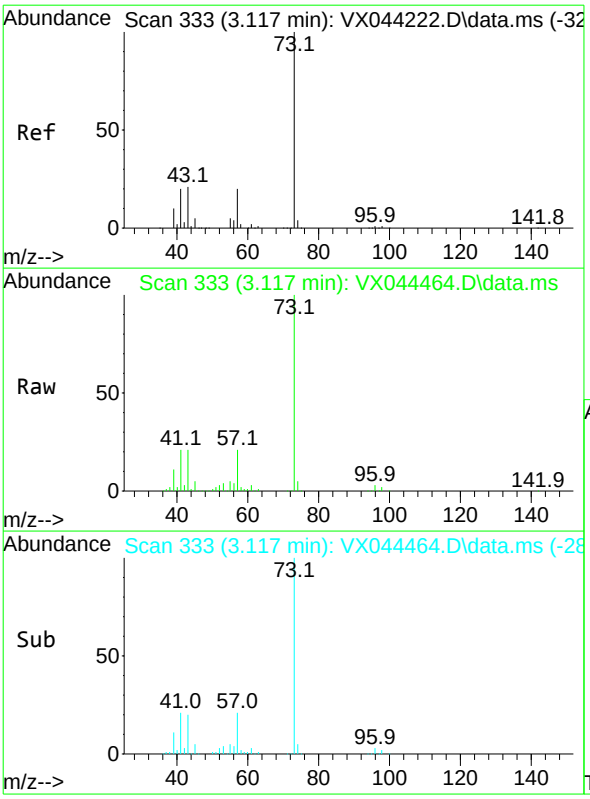



#18
Methyl Acetate
Concen: 46.678 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 120686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.4 | 17.7 | 26.5 |

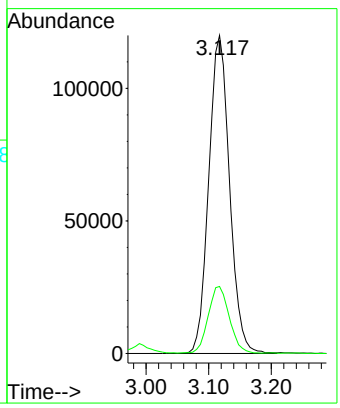





#19
Methyl tert-butyl Ether
Concen: 45.089 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 73 Resp: 276668

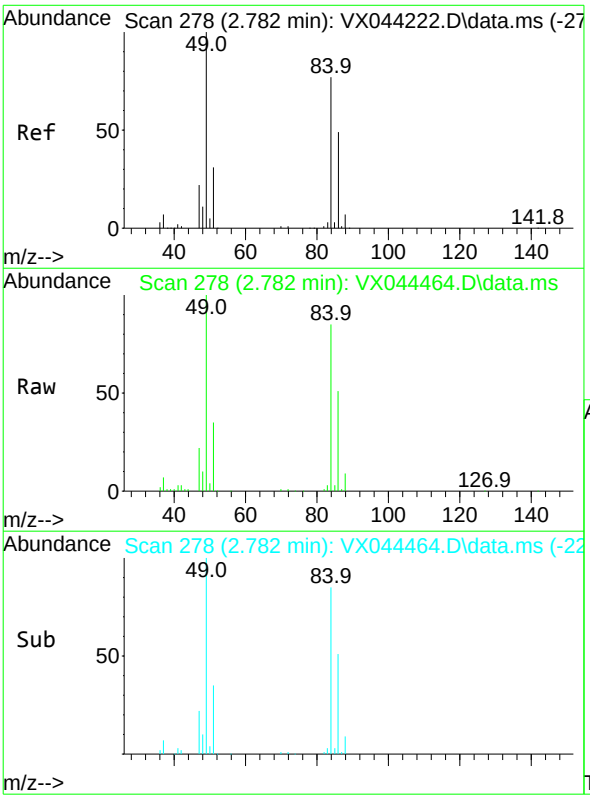
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

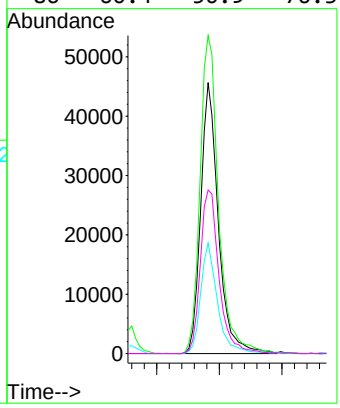
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

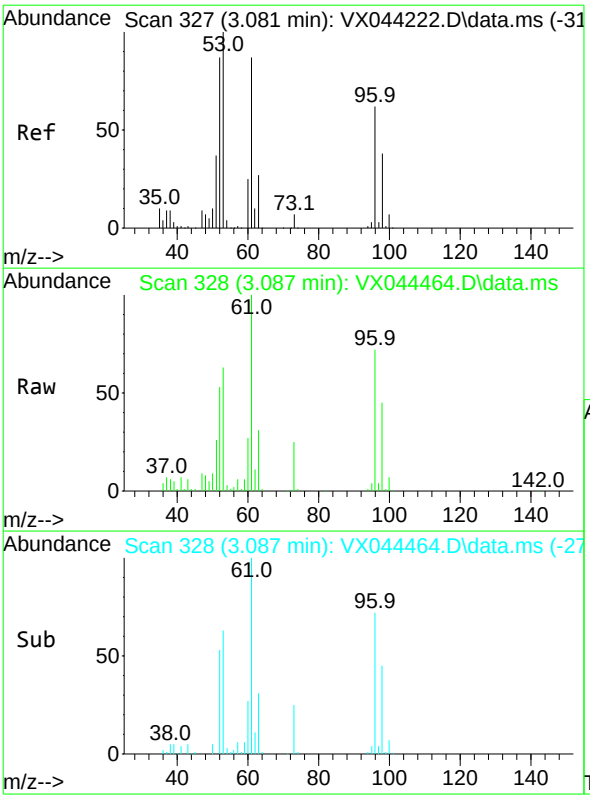



#20
Methylene Chloride
Concen: 47.401 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 84 Resp: 89276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.4 | 104.2 | 156.4 |
| 51 | 40.8 | 32.2 | 48.4 |
| 86 | 60.4 | 50.9 | 76.3 |

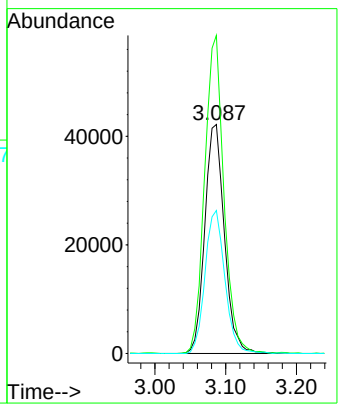





#21
trans-1,2-Dichloroethene
Concen: 48.517 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 96 Resp: 81078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.9 | 112.0 | 168.0 |
| 98 | 62.4 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
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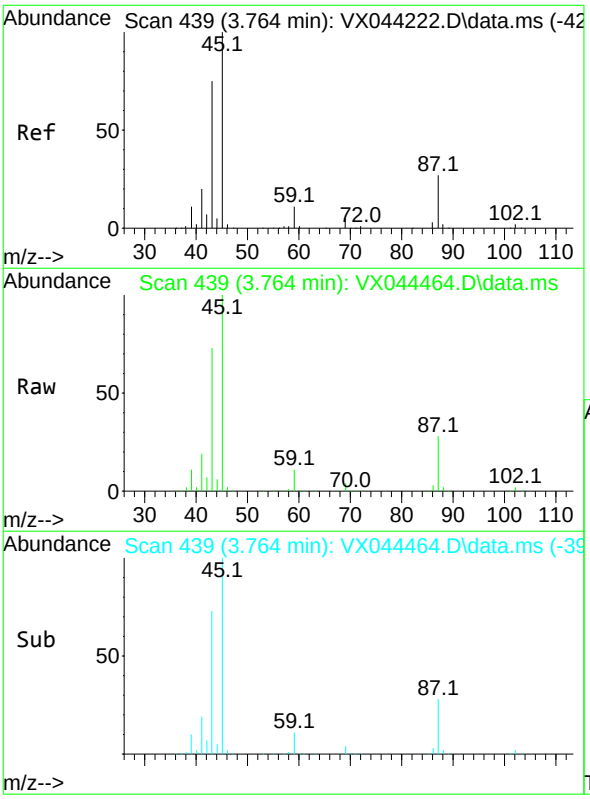
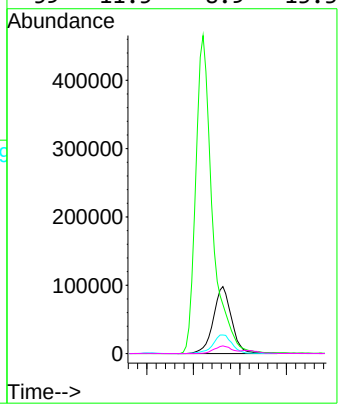
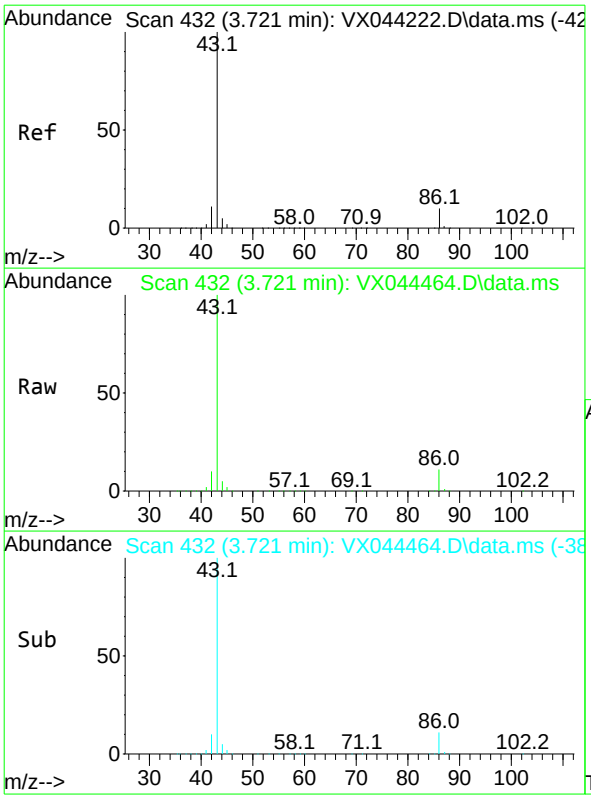



#22
Diisopropyl ether
Concen: 45.018 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 45 Resp: 265503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 73.3 | 60.2 | 90.2 |
| 87 | 27.7 | 21.2 | 31.8 |
| 59 | 11.5 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 243.510 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 1167584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

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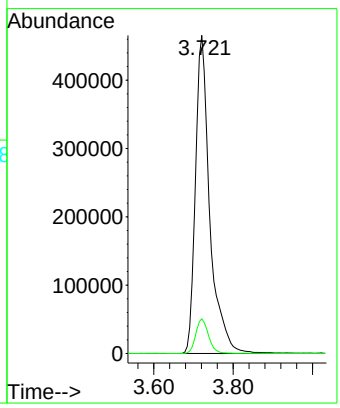
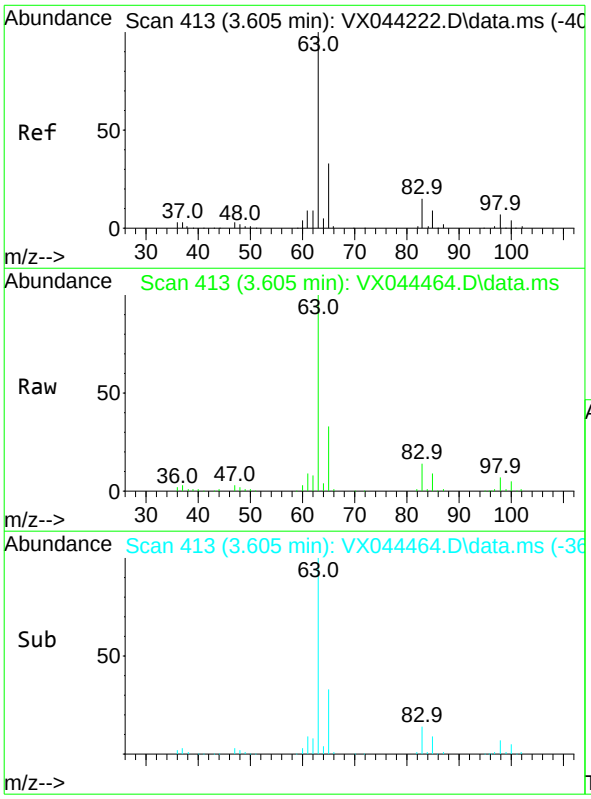
Supervised By :Mahesh Dadoda 12/24/2024

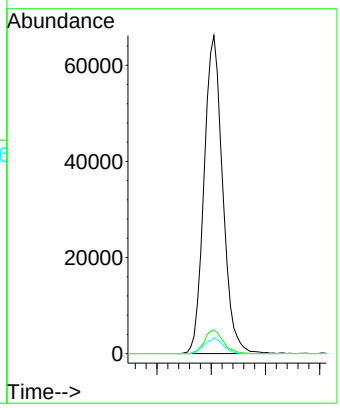


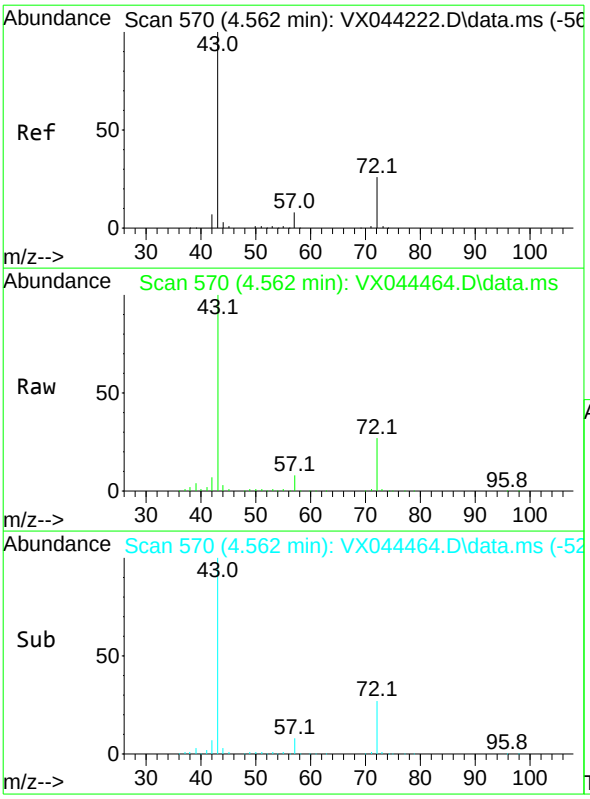




#24
1,1-Dichloroethane
Concen: 48.018 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 63 Resp: 157858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.6 | 10.8 |
| 100 | 5.0 | 2.1 | 6.3 |

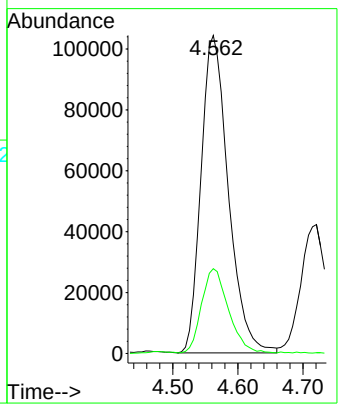





#25
2-Butanone
Concen: 213.237 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 303982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.5 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

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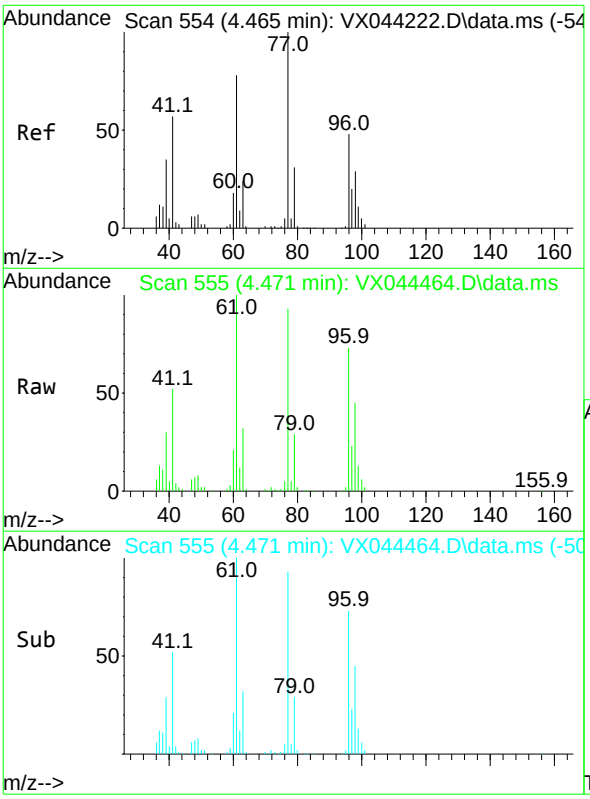
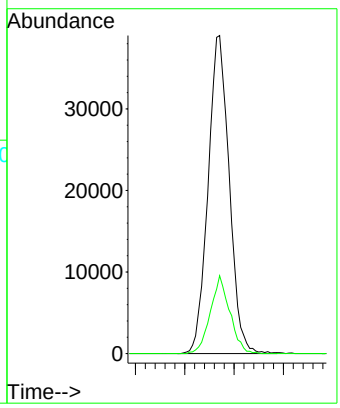
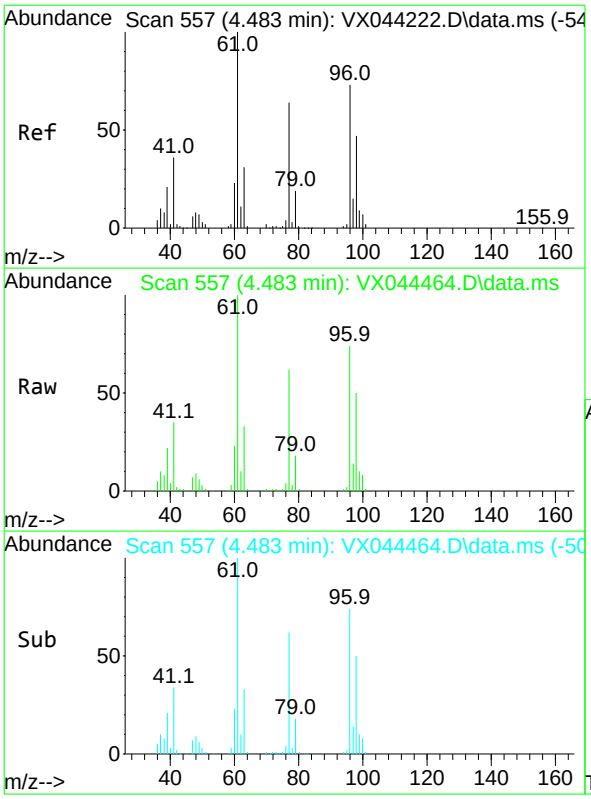



#26
2,2-Dichloropropane
Concen: 43.513 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 77 Resp: 116211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.5 | 10.7 | 32.1 |

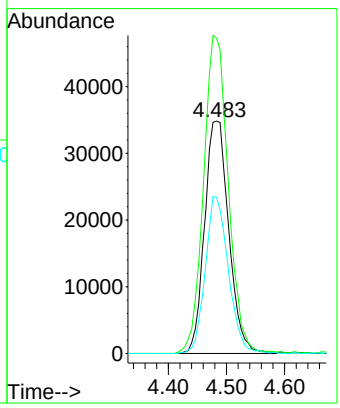





#27
cis-1,2-Dichloroethene
Concen: 47.511 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 96 Resp: 100836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.9 | 0.0 | 299.0 |
| 98 | 64.5 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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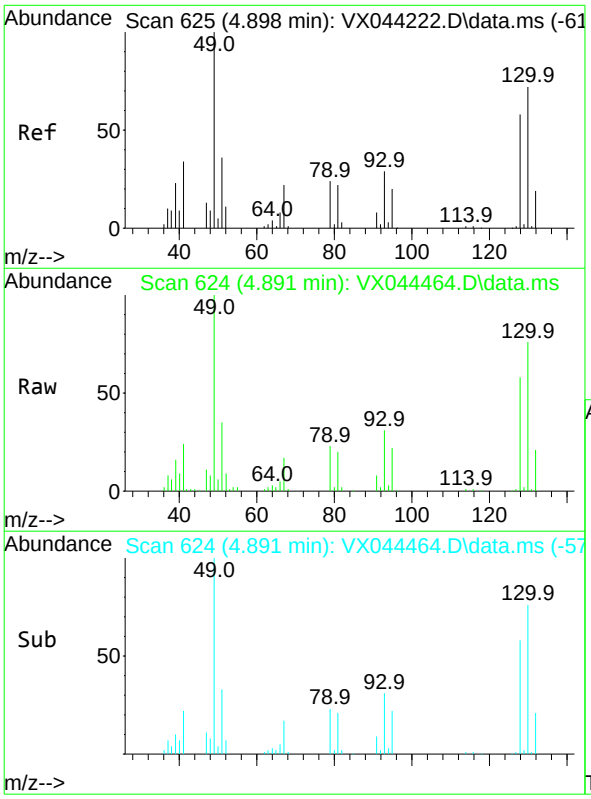
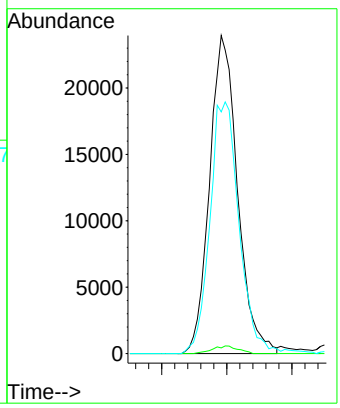
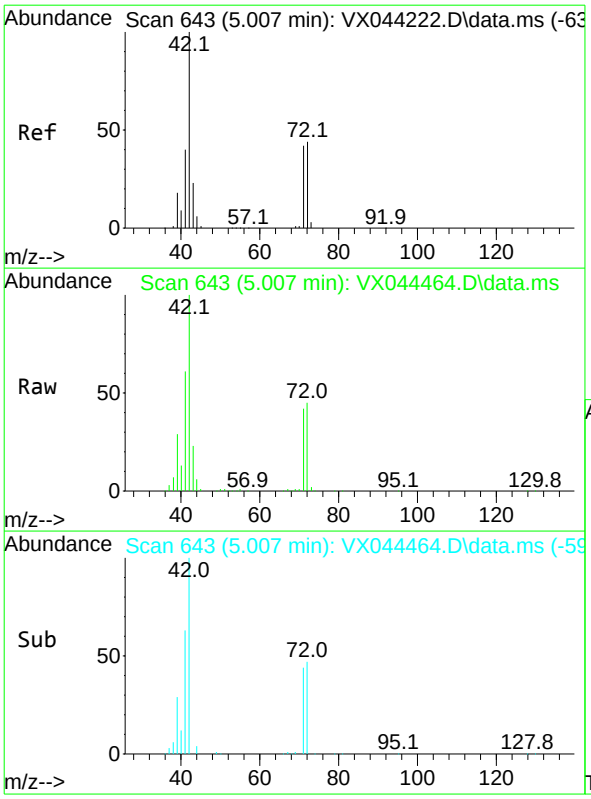



#28
Bromochloromethane
Concen: 44.369 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 49 Resp: 71526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.2 |
| 130 | 82.1 | 62.1 | 93.1 |

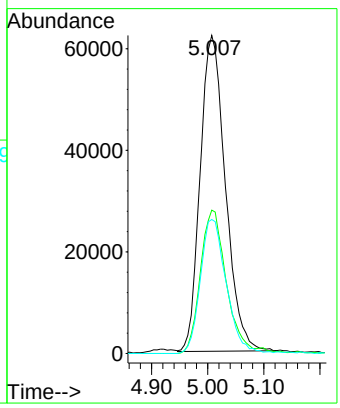





#29
Tetrahydrofuran
Concen: 212.557 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 42 Resp: 194494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.1 | 37.0 | 55.6 |
| 71 | 43.4 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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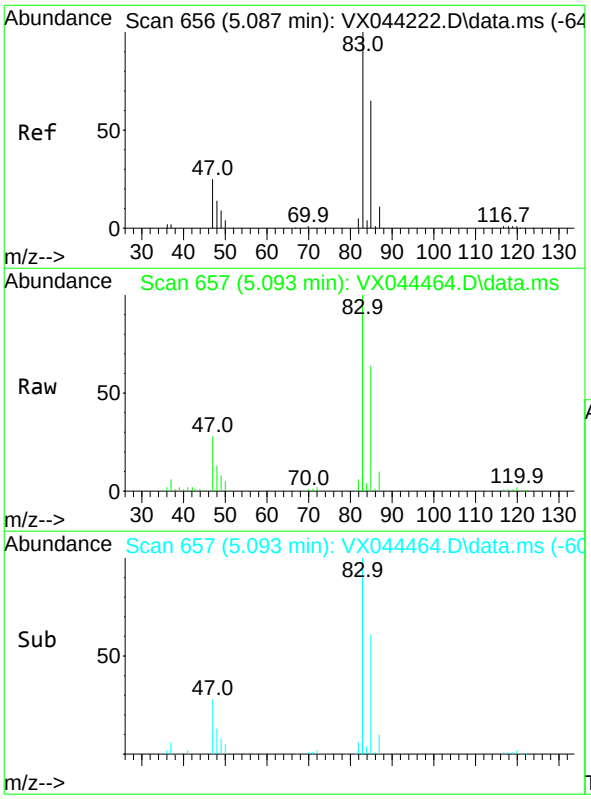
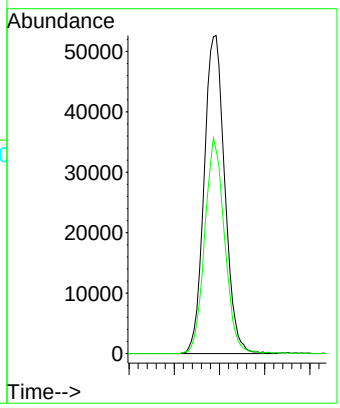
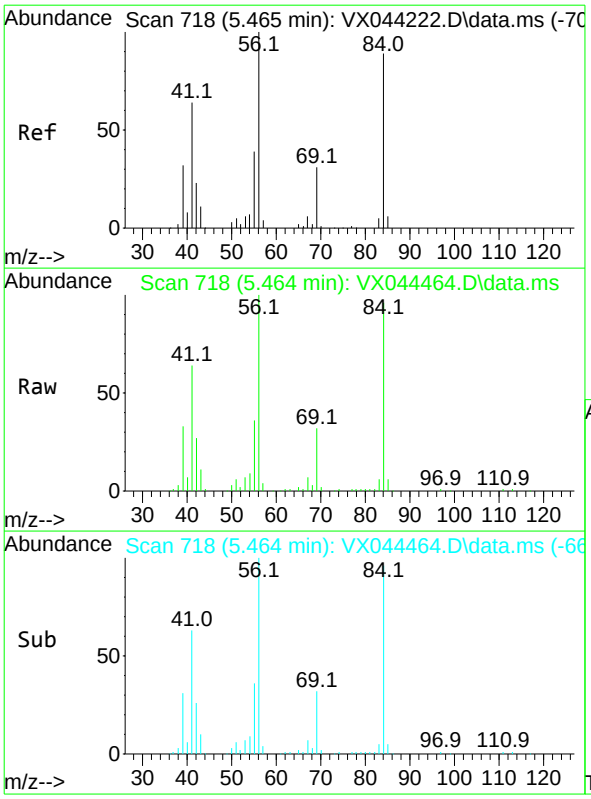



#30
Chloroform
Concen: 45.189 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 83 Resp: 166909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 46.033 ug/l
RT: 5.464 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 56 Resp: 122203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.7 | 24.7 | 37.1 |
| 84 | 93.5 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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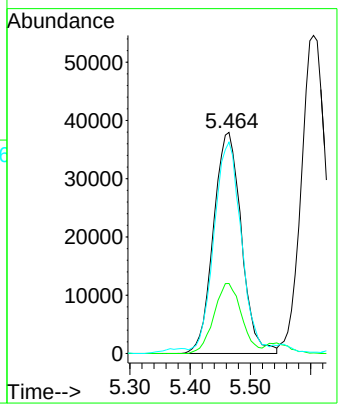
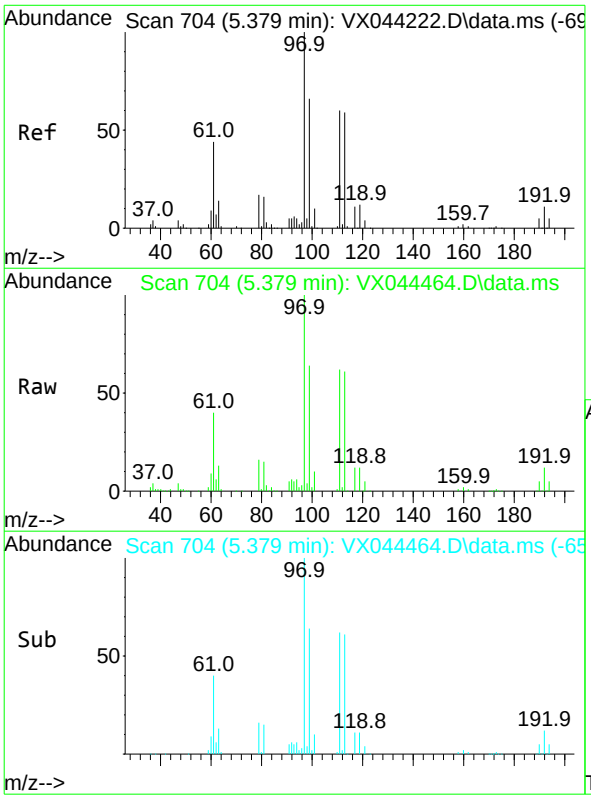
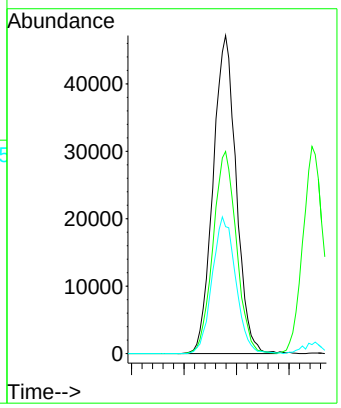


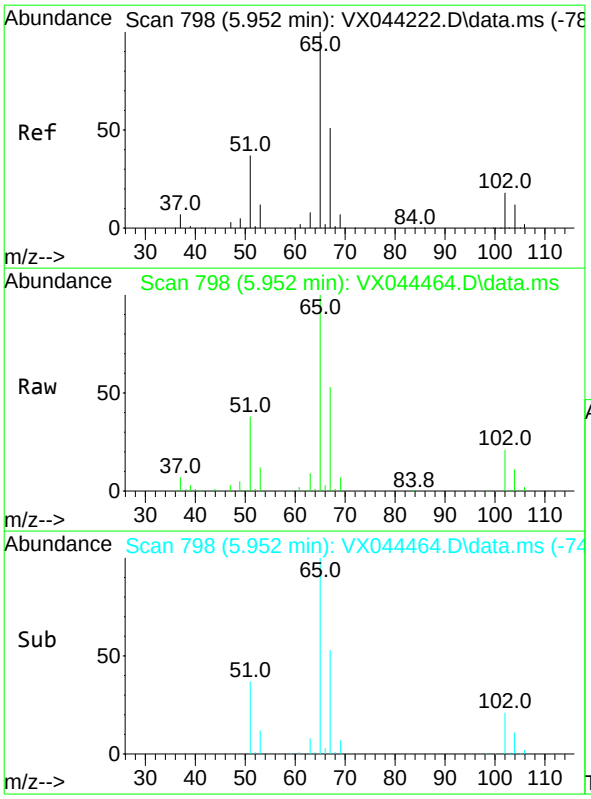




#32
1,1,1-Trichloroethane
Concen: 47.095 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 97 Resp: 144394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 50.8 | 76.2 |
| 61 | 43.7 | 35.2 | 52.8 |






#33
1,2-Dichloroethane-d4
Concen: 44.357 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 65 Resp: 109103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 101.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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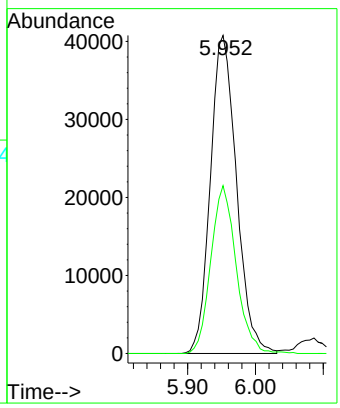
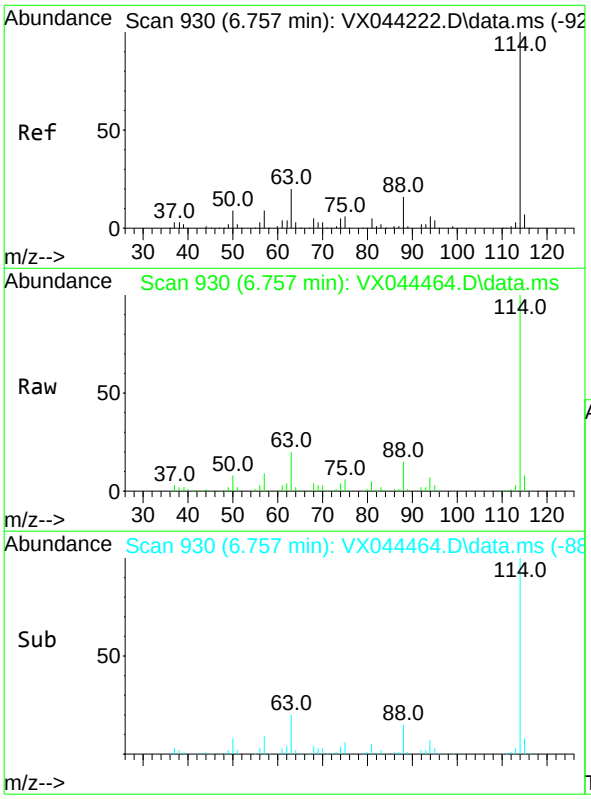
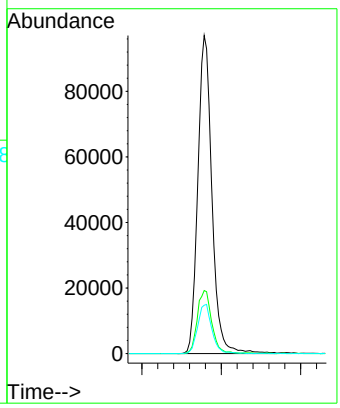


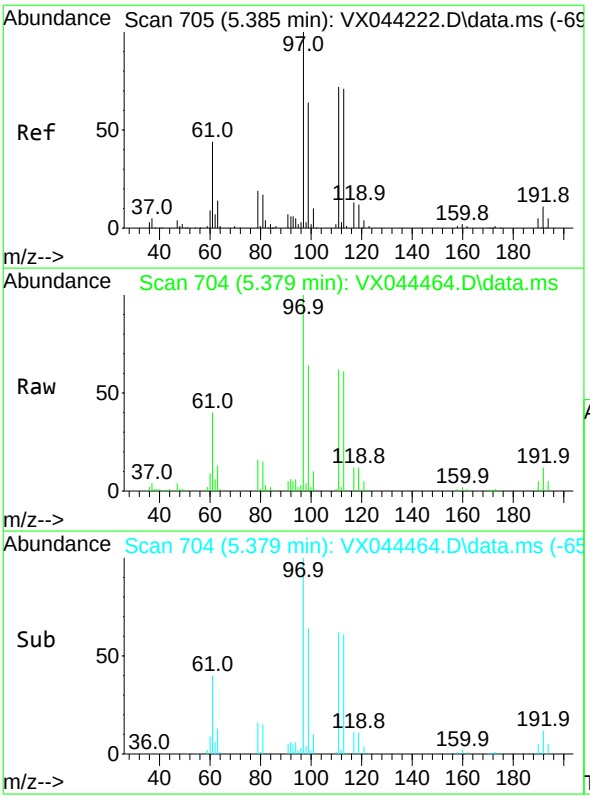




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:114 Resp: 239068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 40.6 |
| 88 | 15.2 | 0.0 | 31.8 |

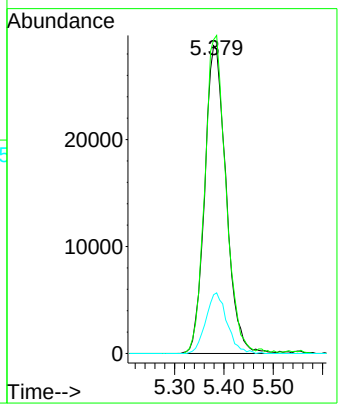





#35
Dibromofluoromethane
Concen: 52.347 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:113 Resp: 86675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.4 | 80.4 | 120.6 |
| 192 | 19.6 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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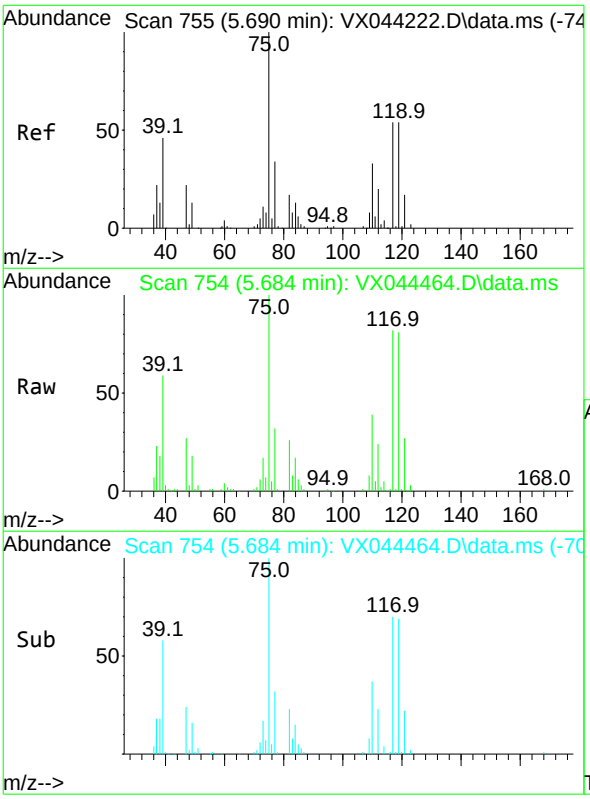
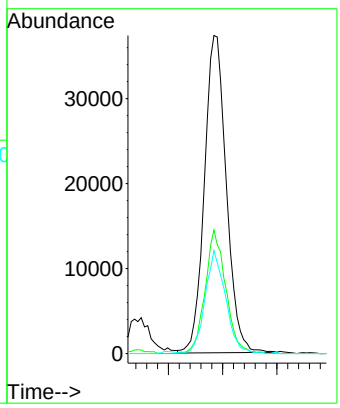
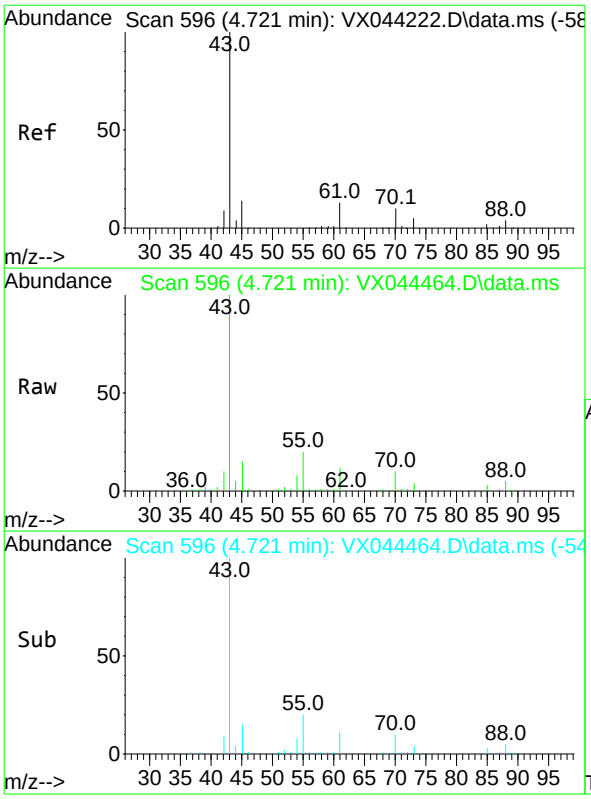



#36
1,1-Dichloropropene
Concen: 49.017 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 104911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.5 | 17.3 | 51.7 |
| 77 | 30.4 | 25.4 | 38.0 |

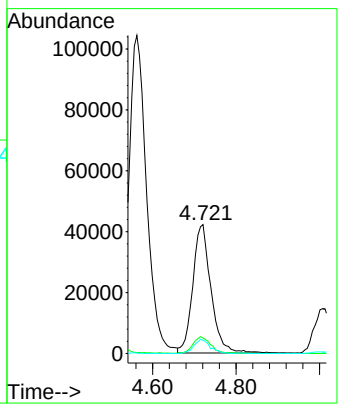





#37
Ethyl Acetate
Concen: 48.180 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 127468

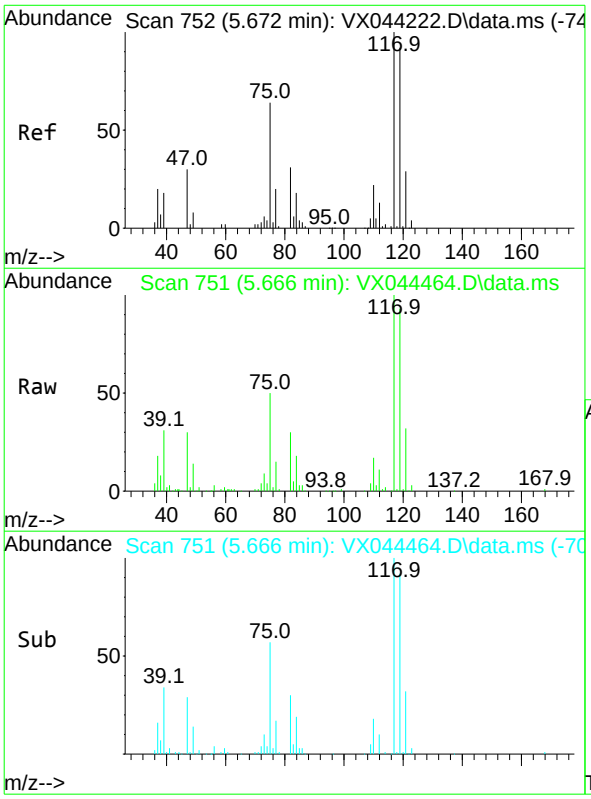
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.8 | 14.8 |
| 70 | 9.7 | 7.7 | 11.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

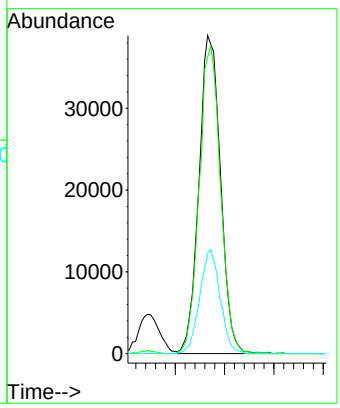
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

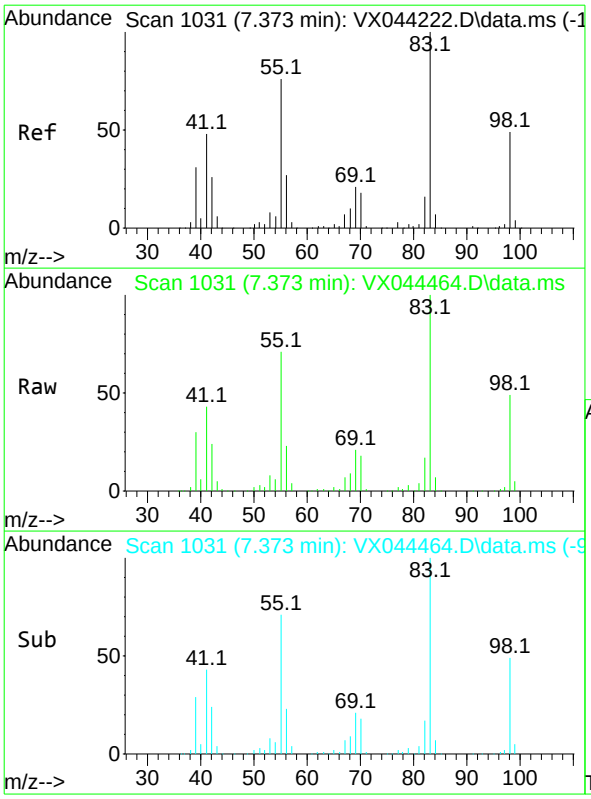



#38
Carbon Tetrachloride
Concen: 51.365 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:117 Resp: 118357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.0 | 74.2 | 111.4 |
| 121 | 31.5 | 23.0 | 34.6 |

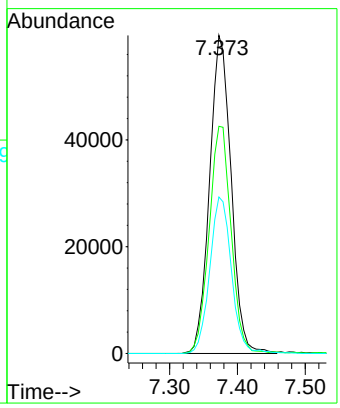





#39
Methylcyclohexane
Concen: 51.370 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 83 Resp: 131438

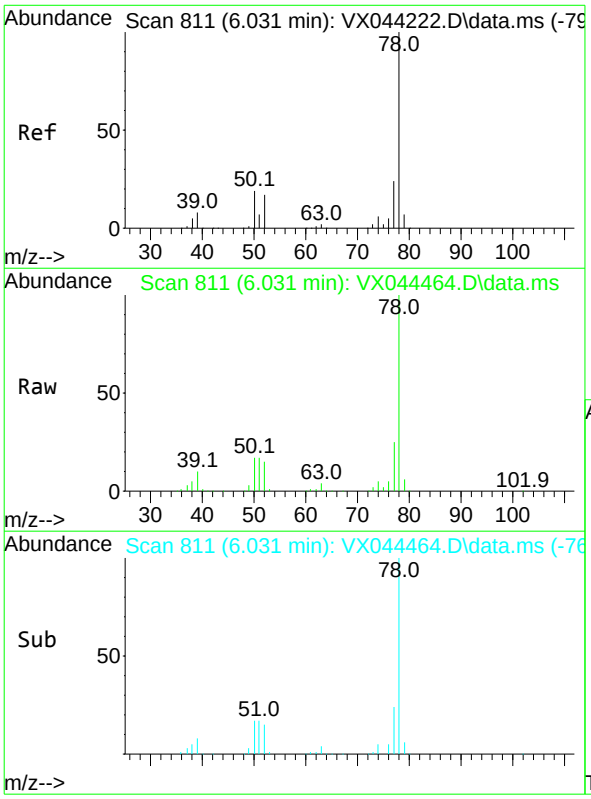
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.4 | 60.7 | 91.1 |
| 98 | 49.2 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

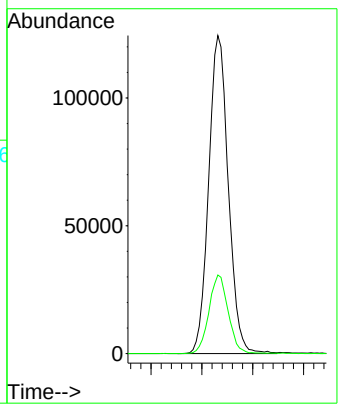
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

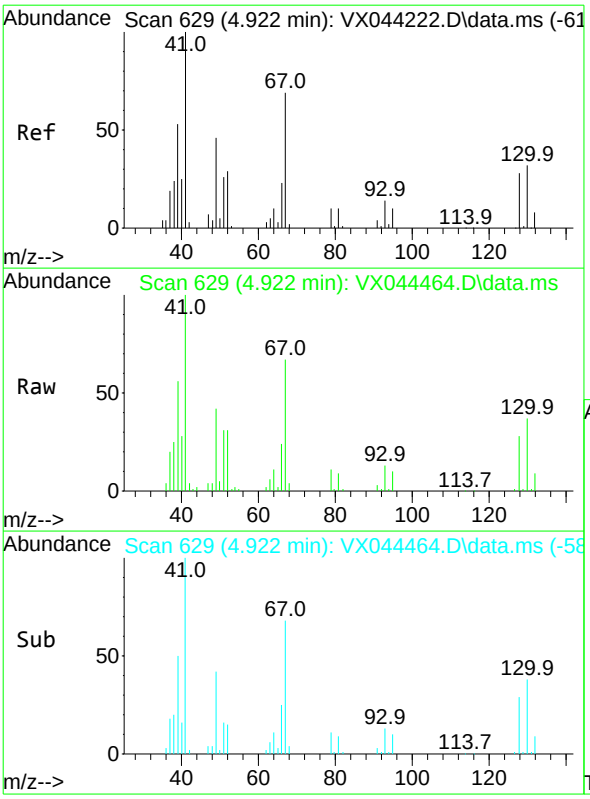



#40
Benzene
Concen: 51.262 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 78 Resp: 333117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.7 | 19.3 | 28.9 |

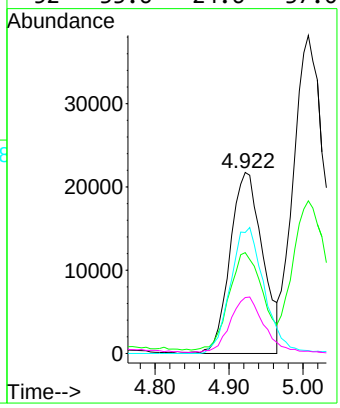





#41
Methacrylonitrile
Concen: 47.401 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 41 Resp: 66592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.8 | 44.2 | 66.4 |
| 67 | 72.7 | 57.2 | 85.8 |
| 52 | 33.6 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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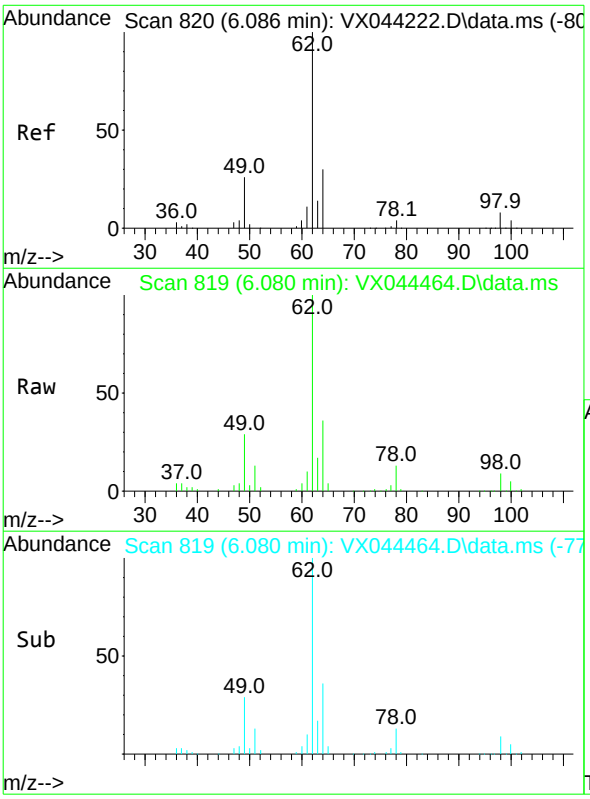
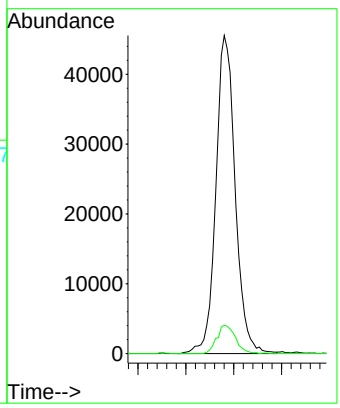
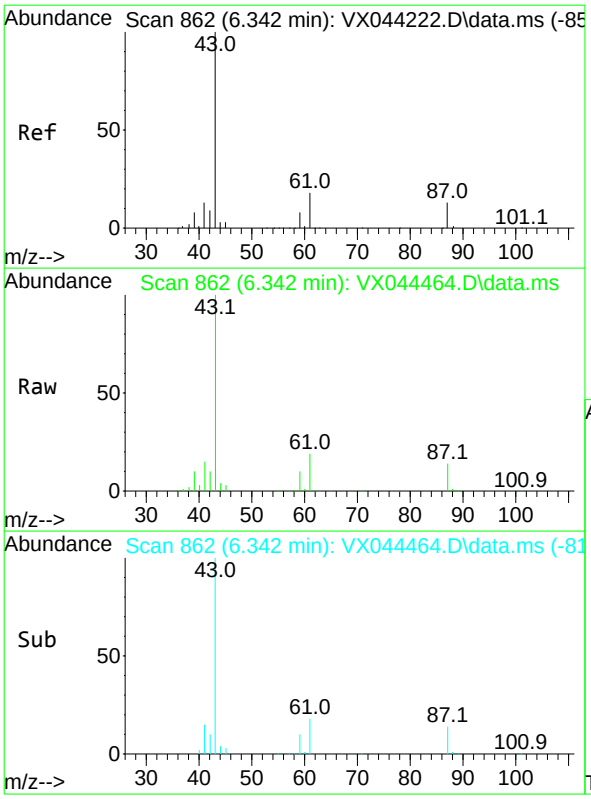



#42
1,2-Dichloroethane
Concen: 47.680 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 62 Resp: 127634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 15.8 |






#43
Isopropyl Acetate
Concen: 48.047 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 198680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 14.2 | 21.2 |
| 87 | 13.3 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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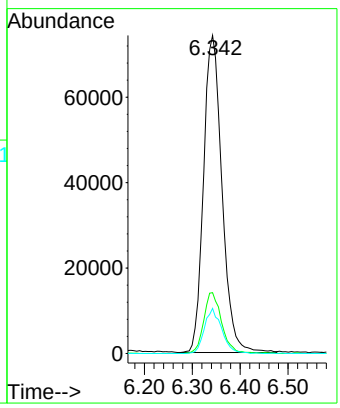
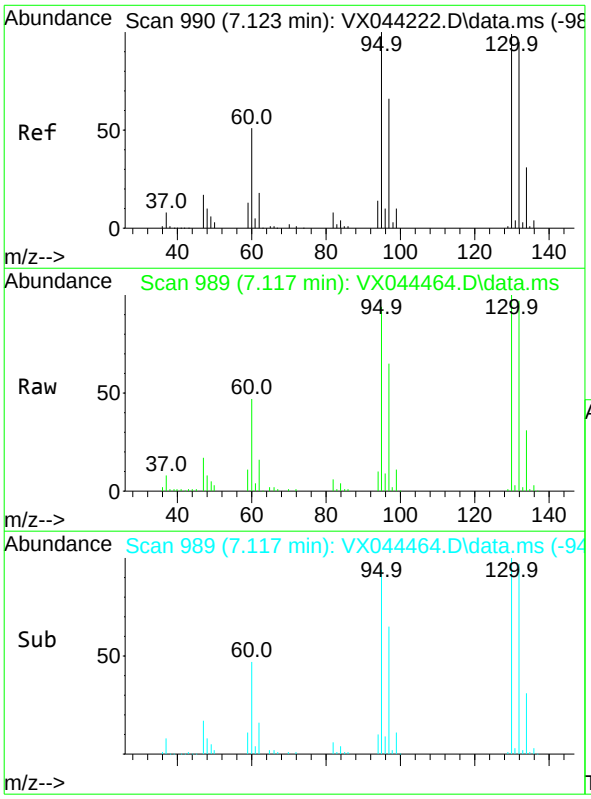
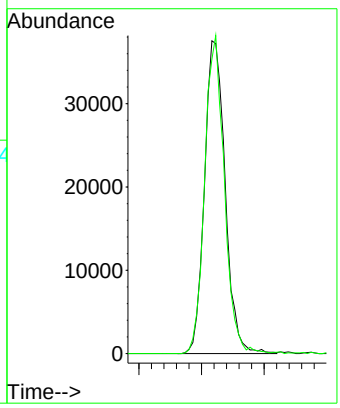


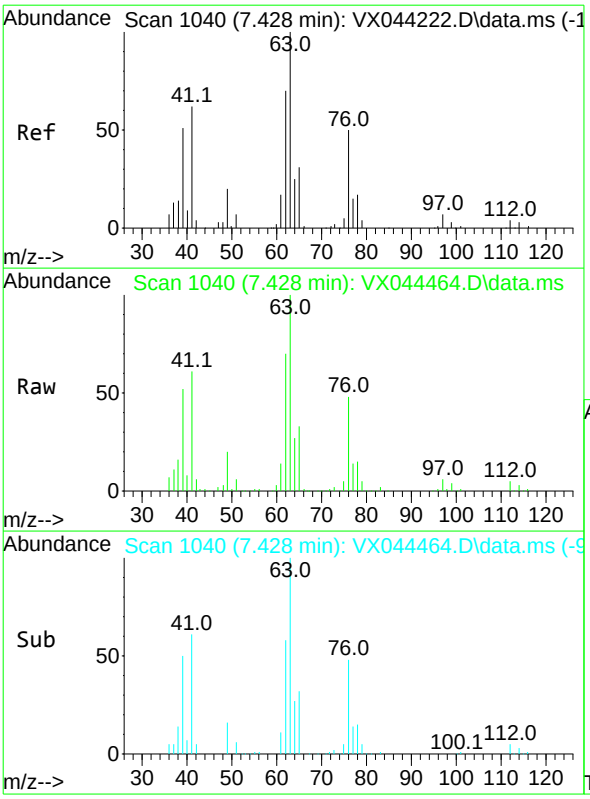




#44
Trichloroethene
Concen: 53.083 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:130 Resp: 86021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.1 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 49.622 ug/l
RT: 7.428 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 63 Resp: 82383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.1 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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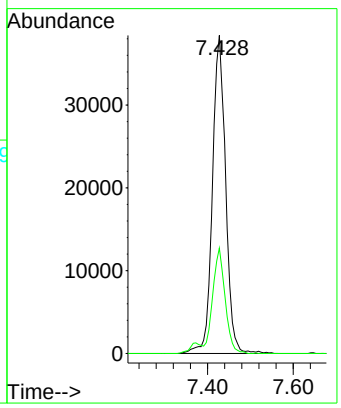
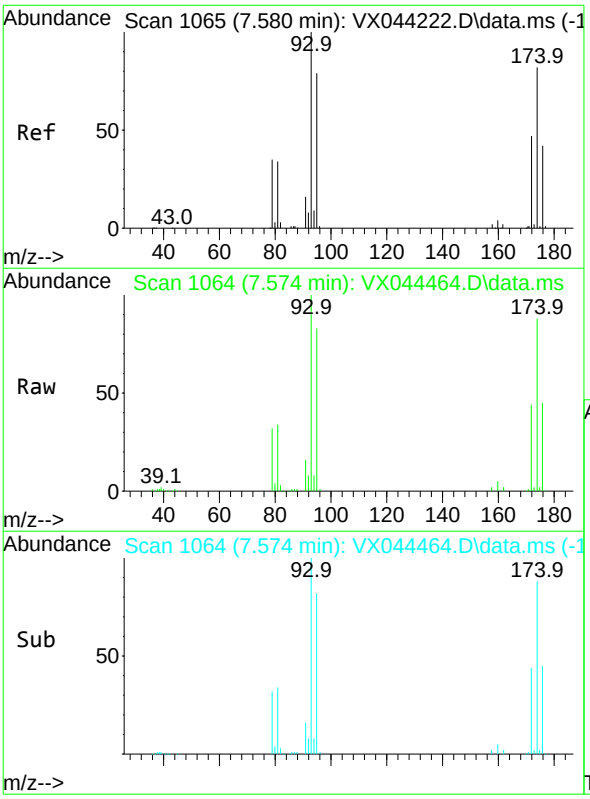
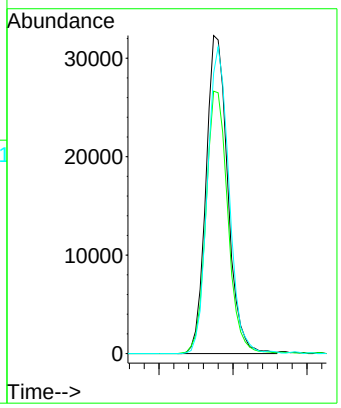


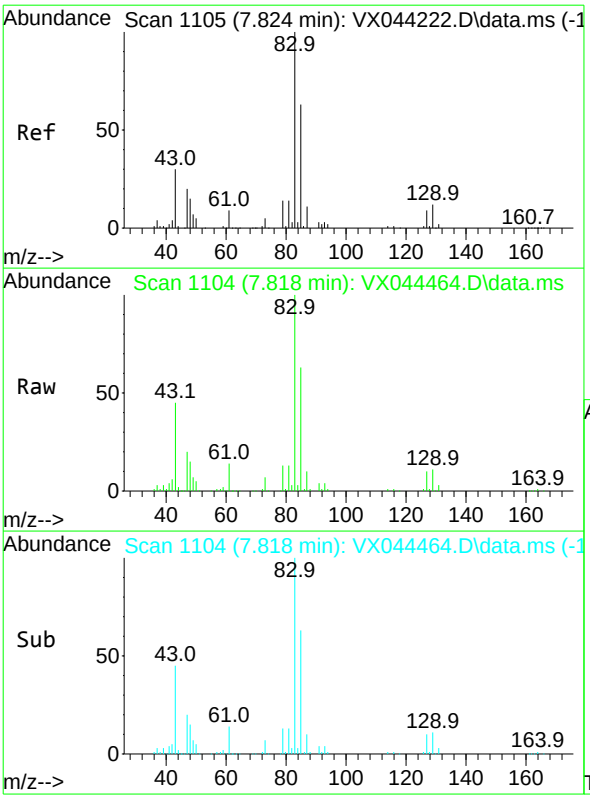




#46
Dibromomethane
Concen: 51.184 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 93 Resp: 65924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 65.4 | 98.2 |
| 174 | 95.5 | 67.9 | 101.9 |

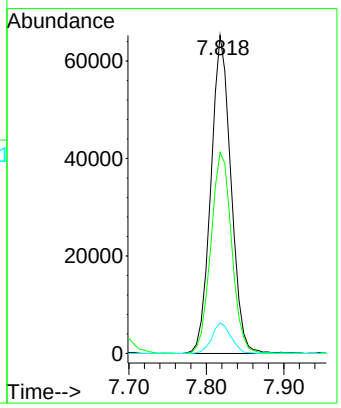





#47
Bromodichloromethane
Concen: 52.723 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 83 Resp: 117278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 50.6 | 75.8 |
| 127 | 9.6 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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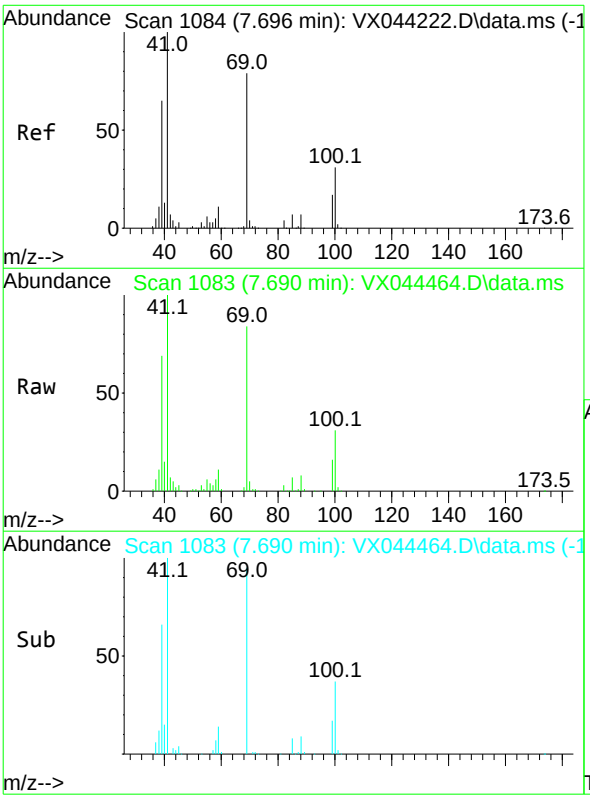
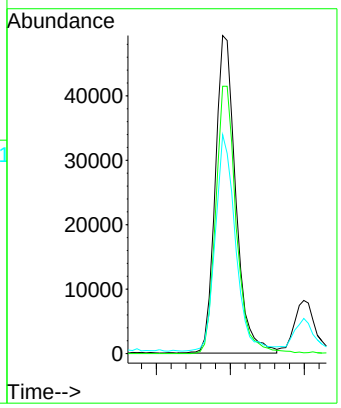
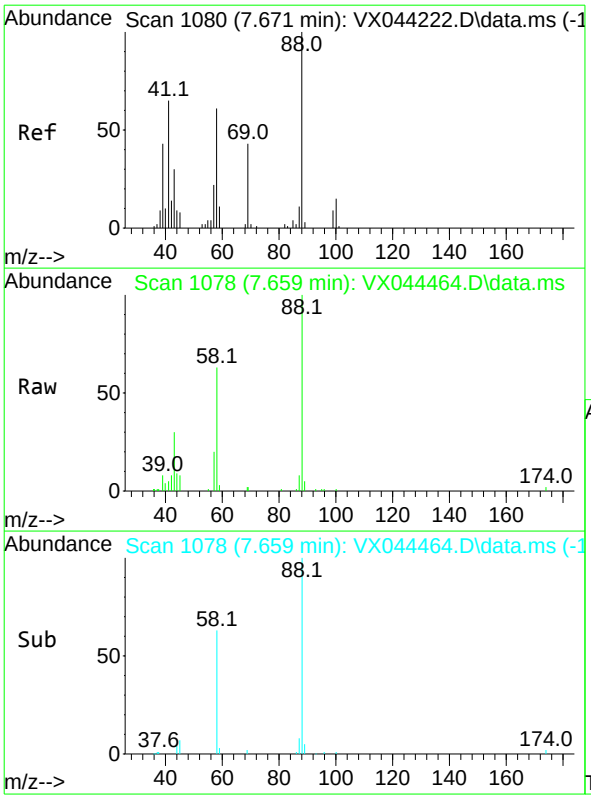



#48
Methyl methacrylate
Concen: 47.115 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 41 Resp: 94575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.6 | 62.4 | 93.6 |
| 39 | 66.9 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 1003.530 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.012 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 88 Resp: 33398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 27.8 | 27.1 | 40.7 |
| 58 | 48.6 | 41.0 | 61.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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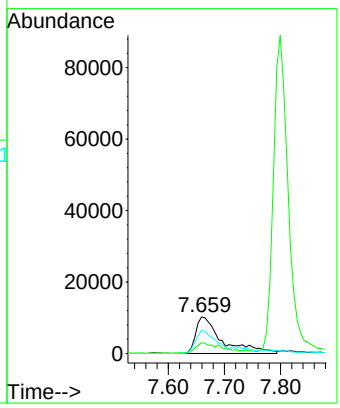
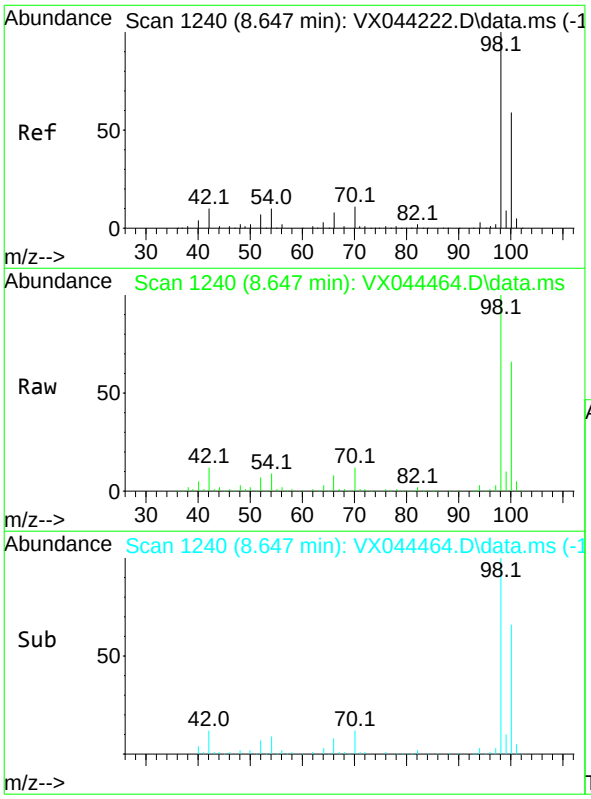
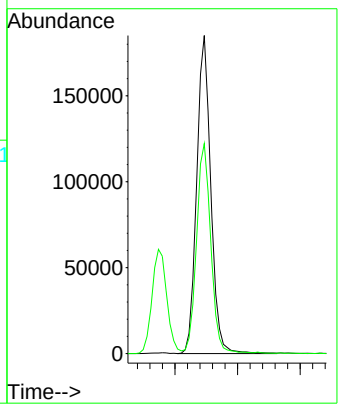


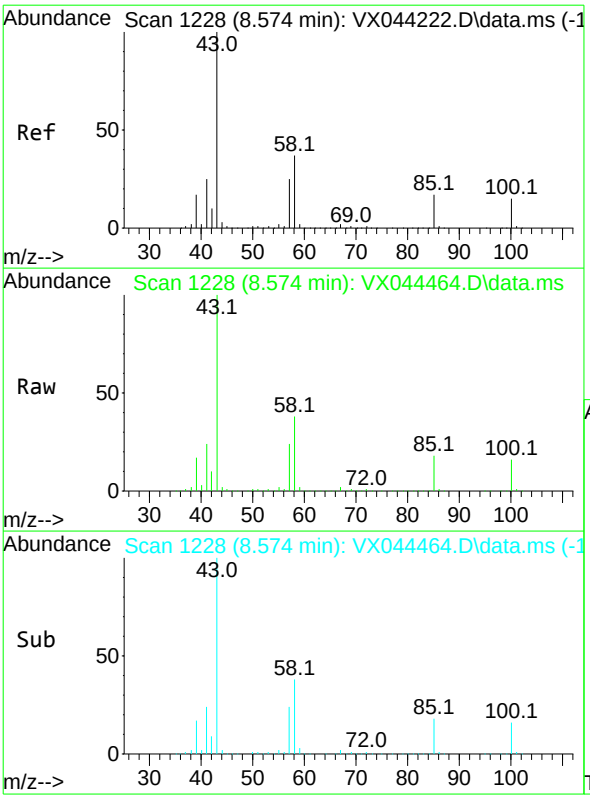




#50
Toluene-d8
Concen: 51.923 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 98 Resp: 290046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 51.5 | 77.3 |

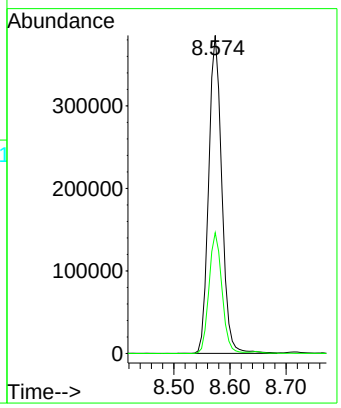





#51
4-Methyl-2-Pentanone
Concen: 235.413 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 625919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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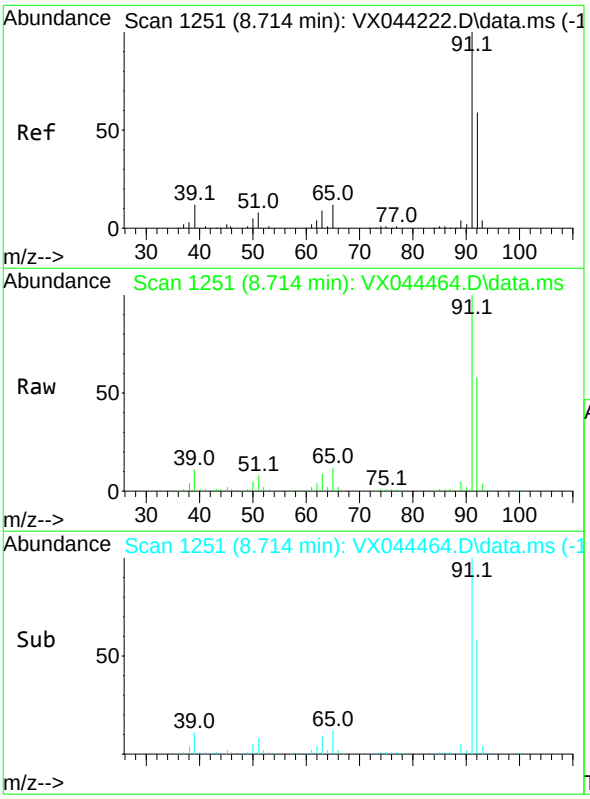
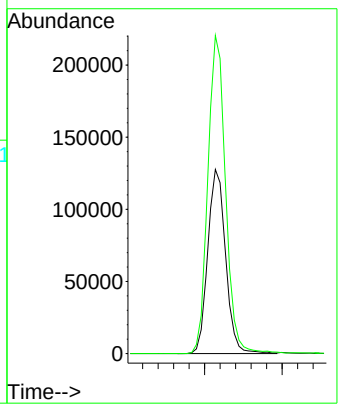
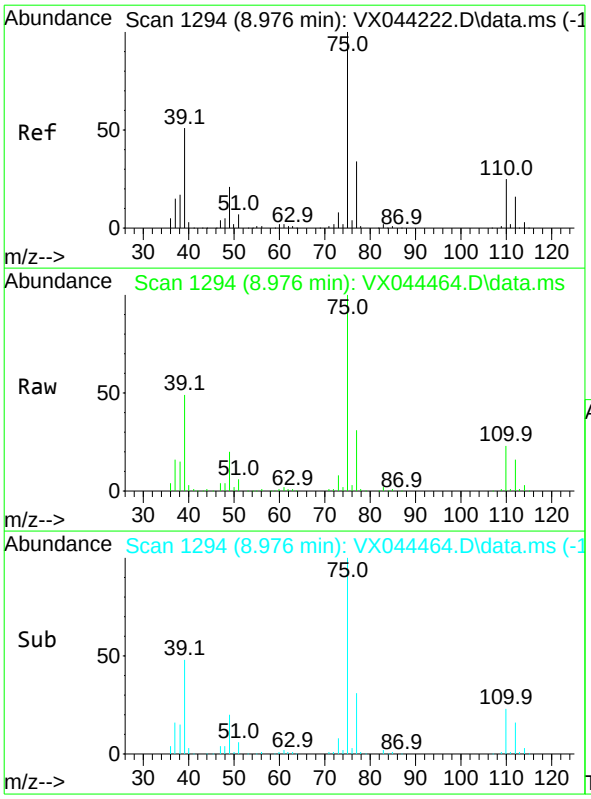



#52
Toluene
Concen: 50.071 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 92 Resp: 204328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.3 | 137.0 | 205.6 |

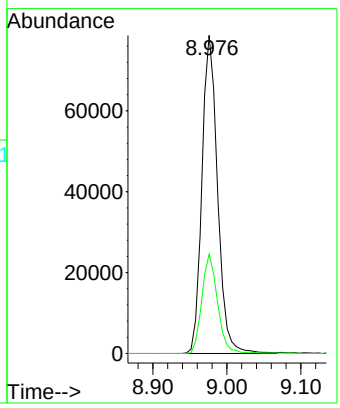





#53
t-1,3-Dichloropropene
Concen: 48.388 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 115268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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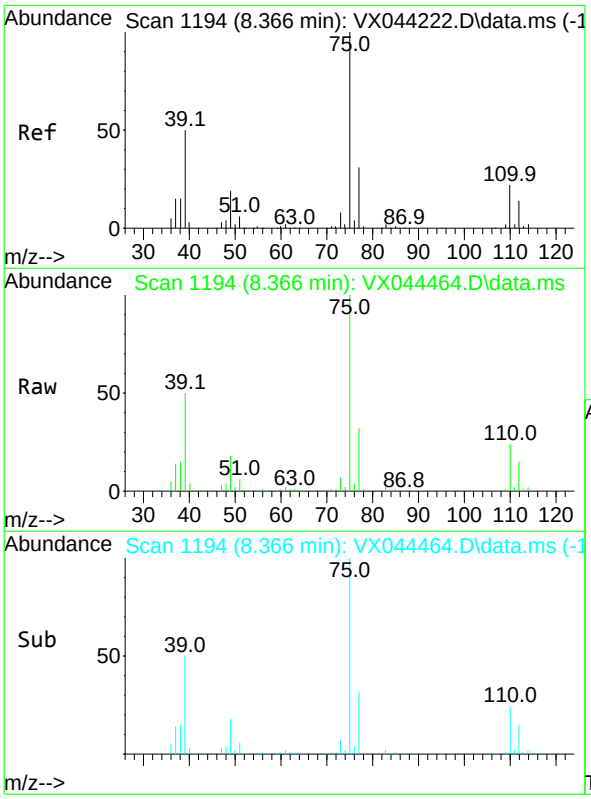
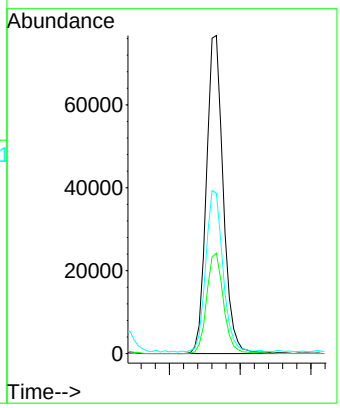
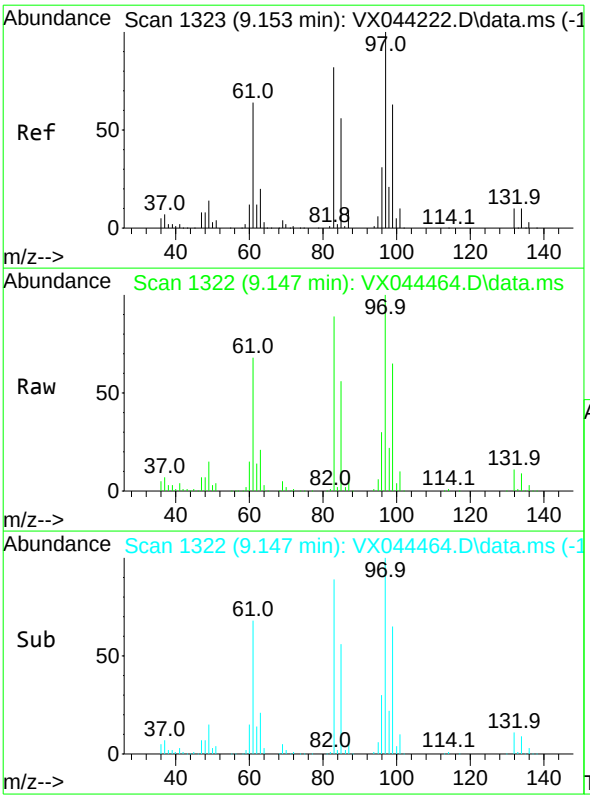



#54
cis-1,3-Dichloropropene
Concen: 52.437 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 127004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 24.7 | 37.1 |
| 39 | 50.0 | 40.3 | 60.5 |

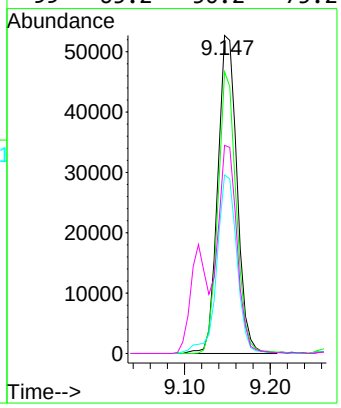





#55
1,1,2-Trichloroethane
Concen: 50.814 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 97 Resp: 82378

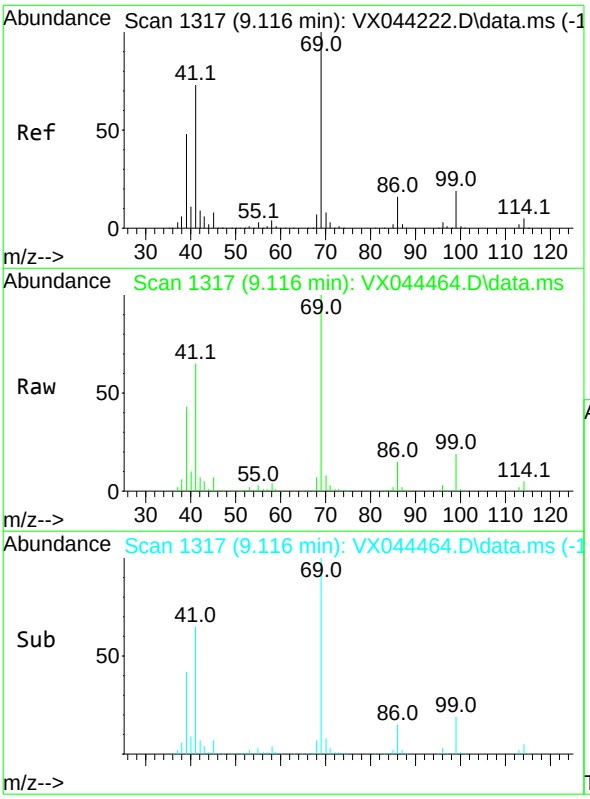
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.5 | 65.3 | 97.9 |
| 85 | 56.0 | 44.6 | 67.0 |
| 99 | 65.2 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

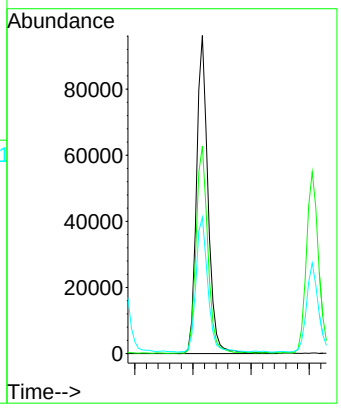
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

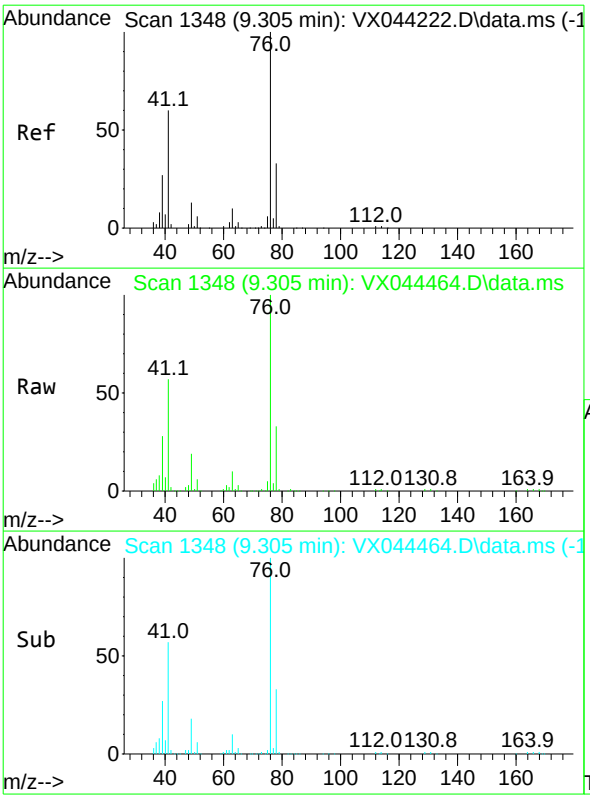



#56
Ethyl methacrylate
Concen: 51.516 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 69 Resp: 131845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 66.5 | 56.6 | 85.0 |
| 39 | 43.7 | 37.4 | 56.0 |

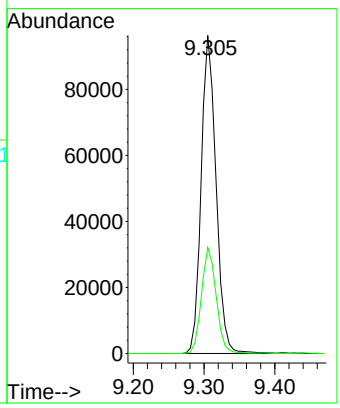





#57
1,3-Dichloropropane
Concen: 49.799 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 76 Resp: 140522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.0 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :Semsettin Yesilyurt 12/23/2024
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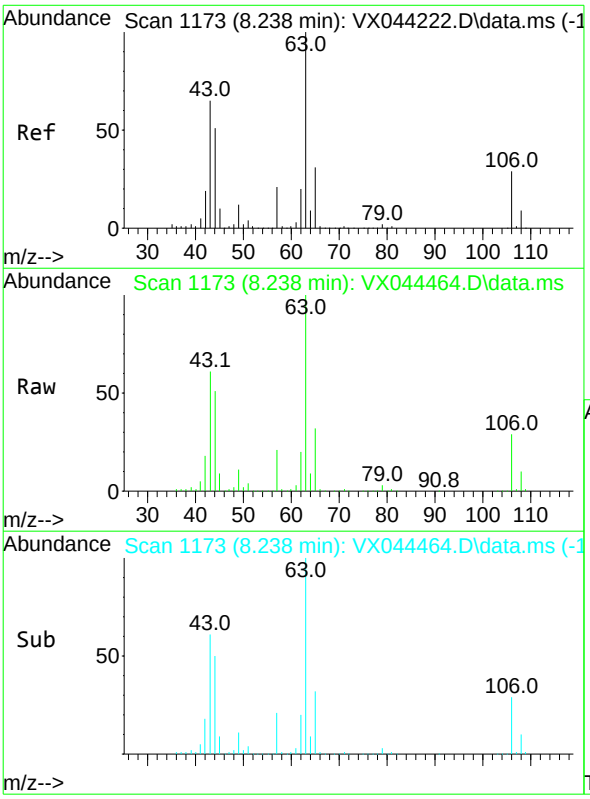
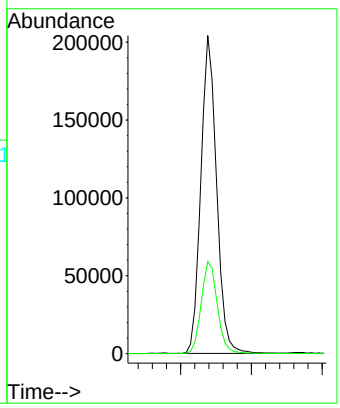
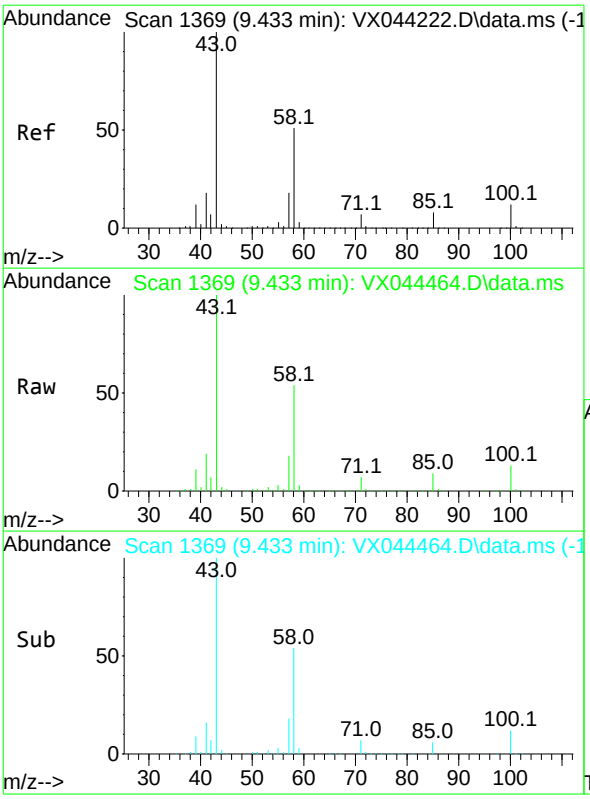



#58
2-Chloroethyl Vinyl ether
Concen: 243.652 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 63 Resp: 314516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.8 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 236.376 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 454909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.3 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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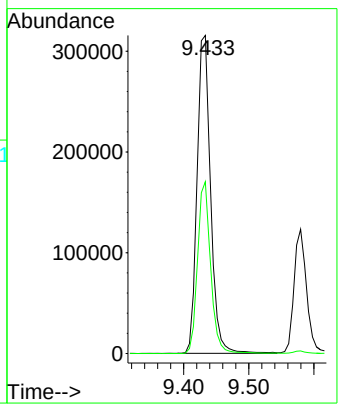
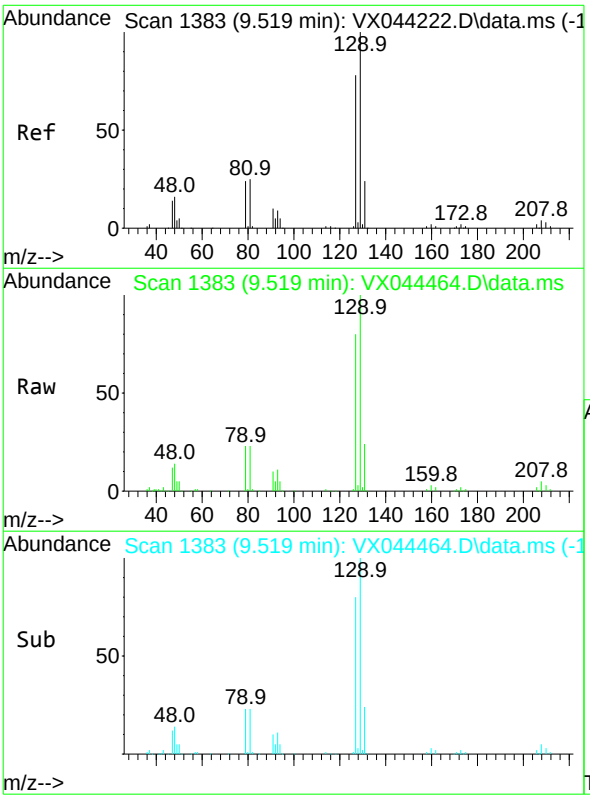
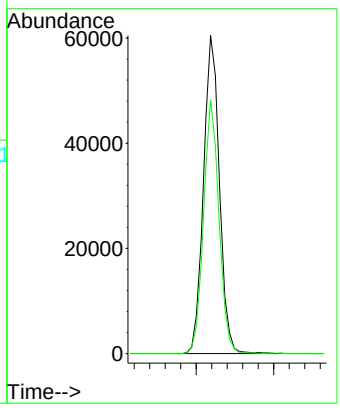


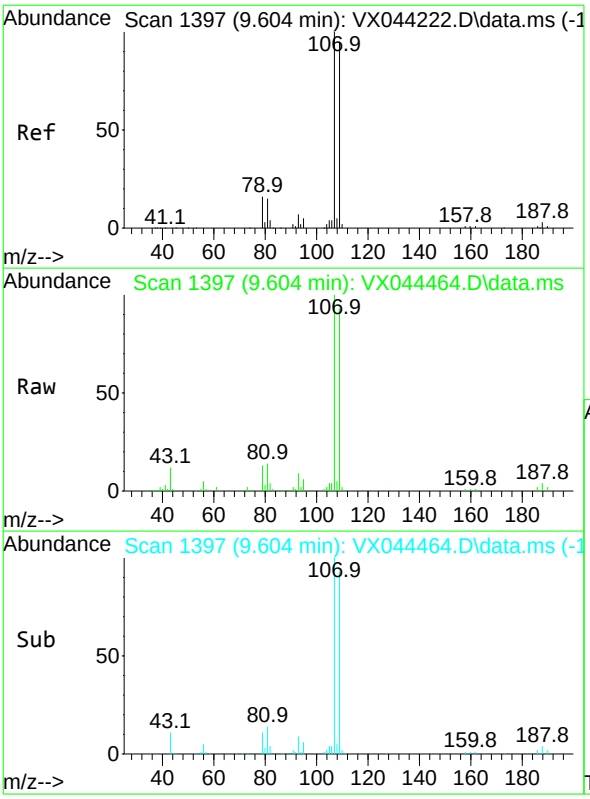




#60
Dibromochloromethane
Concen: 50.206 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:129 Resp: 86219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.4 | 38.5 | 115.3 |

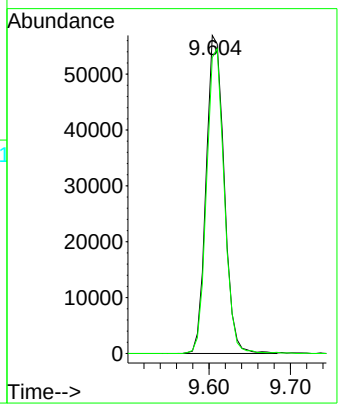





#61
1,2-Dibromoethane
Concen: 53.053 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:107 Resp: 87547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.1 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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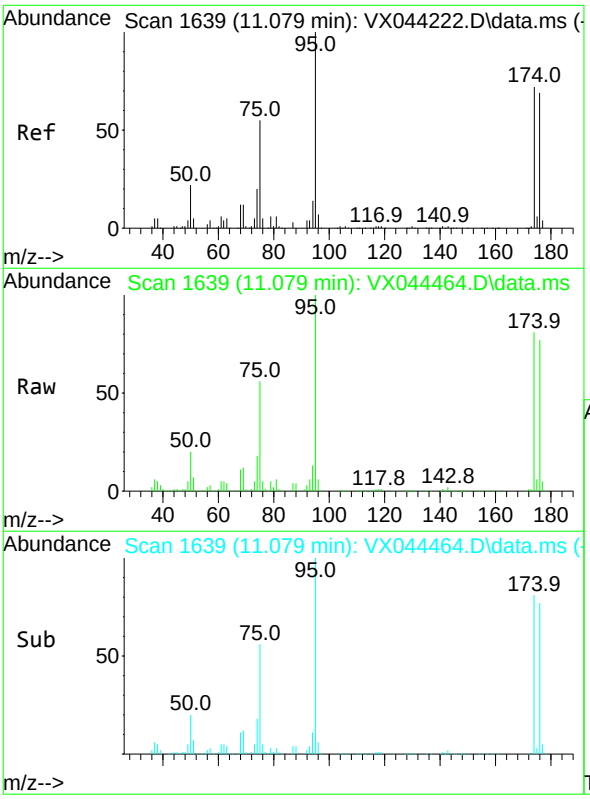
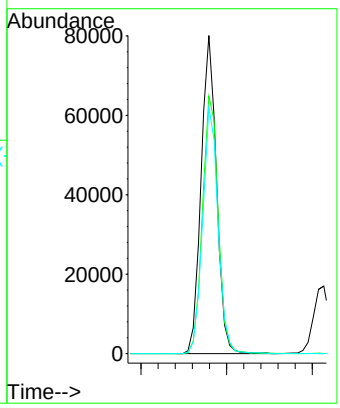
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

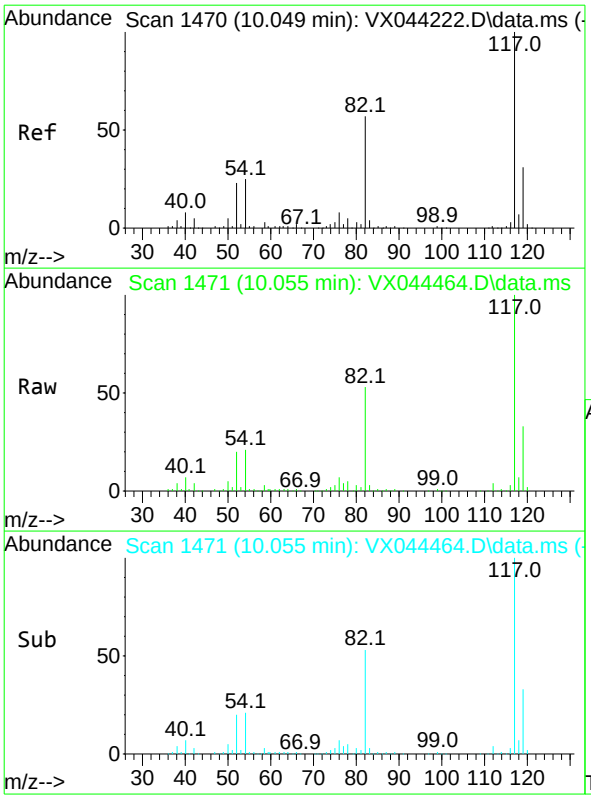



#62
4-Bromofluorobenzene
Concen: 51.161 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 95 Resp: 99862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.0 | 0.0 | 145.8 |
| 176 | 77.6 | 0.0 | 137.8 |

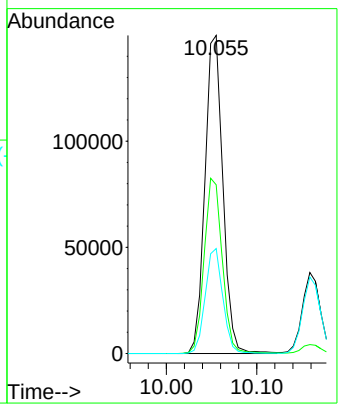





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:117 Resp: 206477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 45.8 | 68.8 |
| 119 | 33.0 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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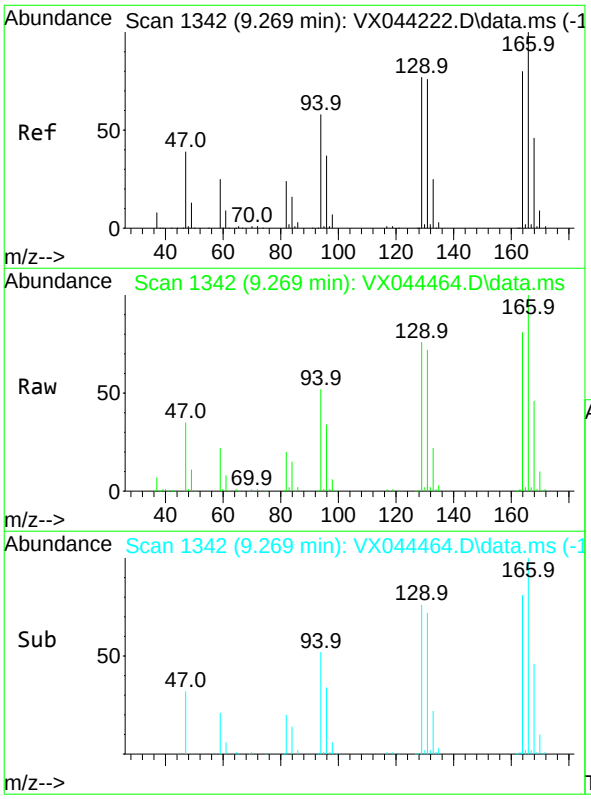
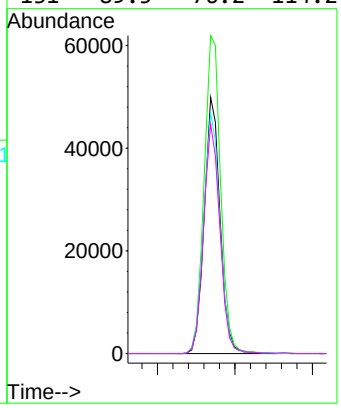
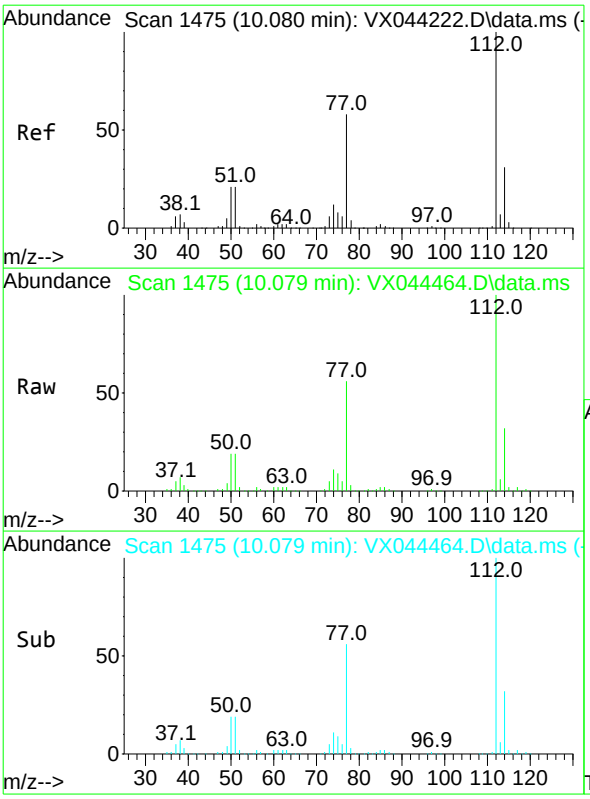



#64
Tetrachloroethene
Concen: 51.727 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:164 Resp: 70888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.1 | 100.4 | 150.6 |
| 129 | 93.8 | 77.2 | 115.8 |
| 131 | 89.5 | 76.2 | 114.2 |

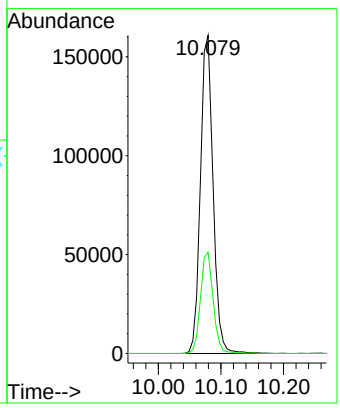





#65
Chlorobenzene
Concen: 51.056 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:112 Resp: 225888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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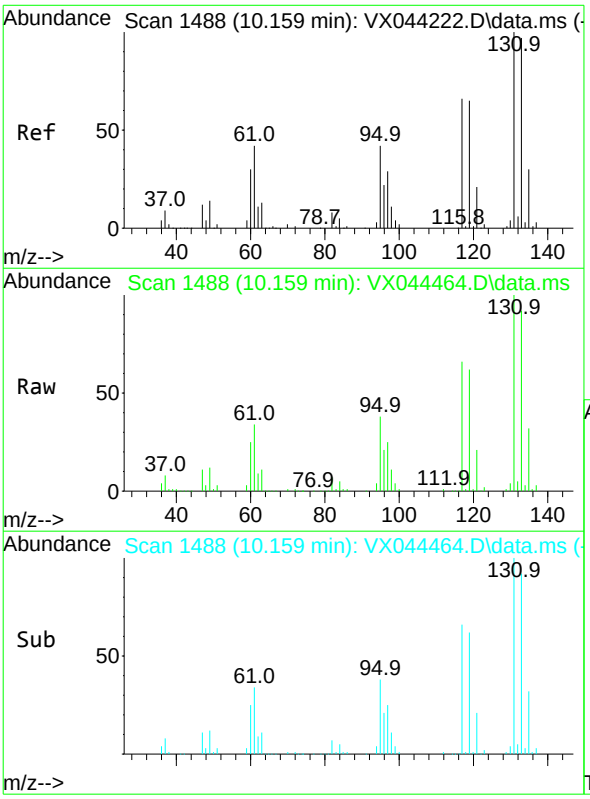
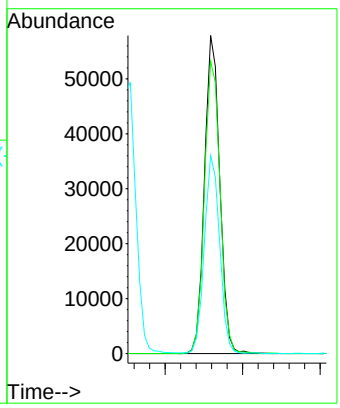
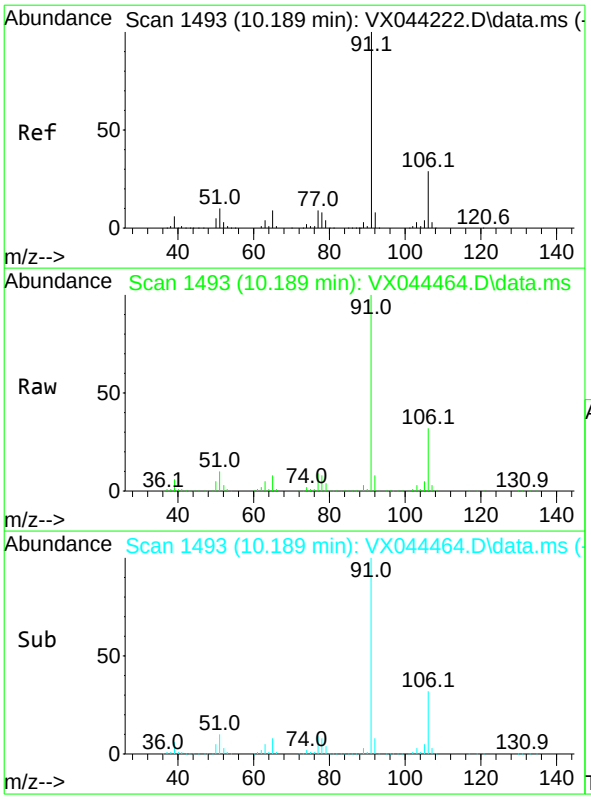



#66
1,1,1,2-Tetrachloroethane
Concen: 55.601 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:131 Resp: 79060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.3 | 47.3 | 141.8 |
| 119 | 62.0 | 31.6 | 95.0 |

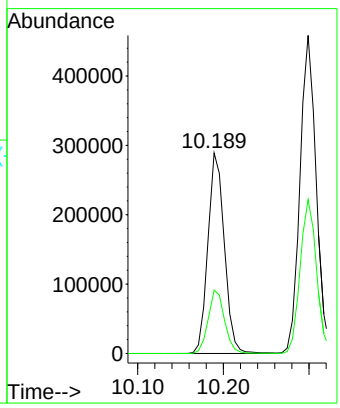





#67
Ethyl Benzene
Concen: 50.462 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 91 Resp: 385756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.6 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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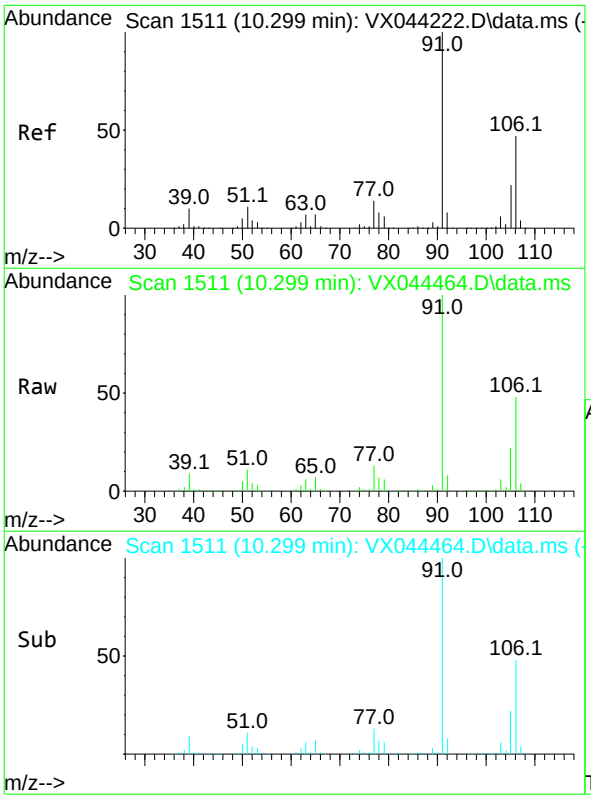
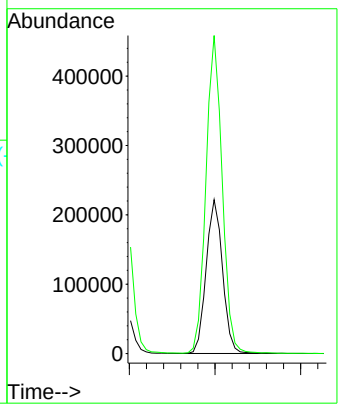
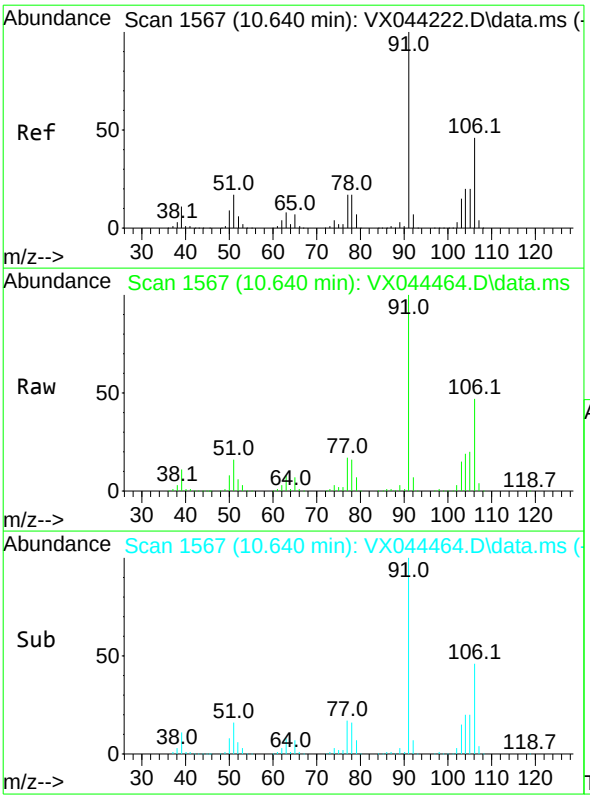



#68
m/p-Xylenes
Concen: 105.028 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:106 Resp: 294612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.2 | 170.2 | 255.2 |

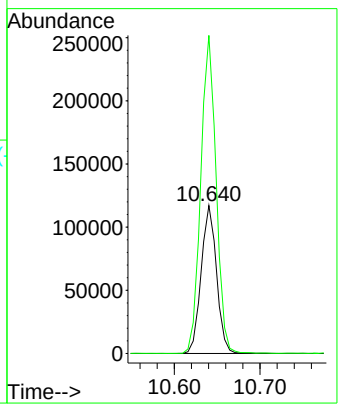





#69
o-Xylene
Concen: 51.494 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:106 Resp: 146149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.9 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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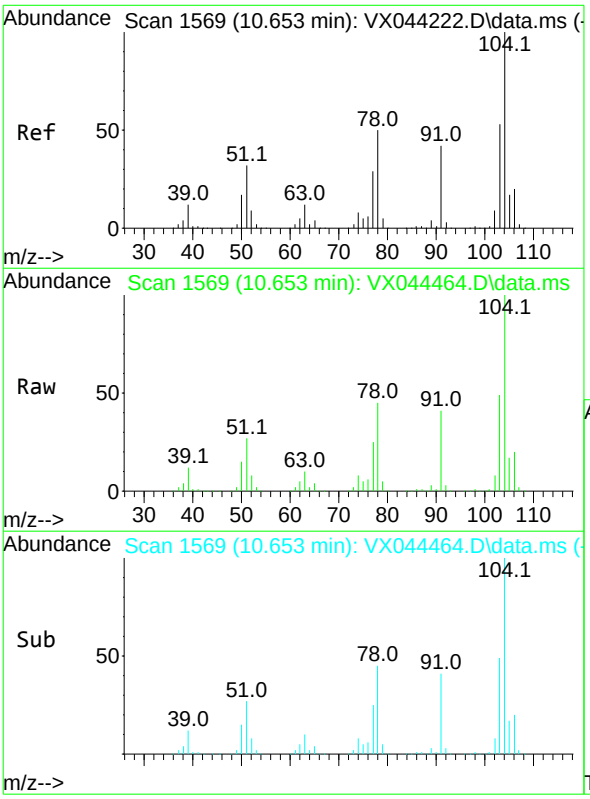
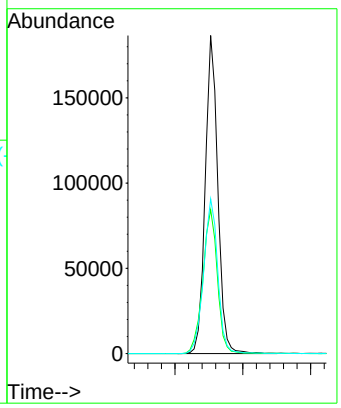
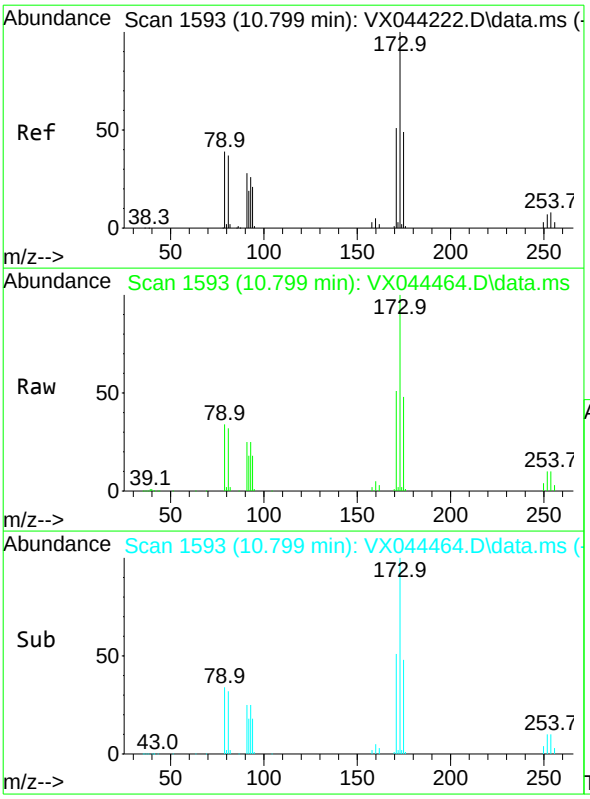



#70
Styrene
Concen: 52.761 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:104 Resp: 240058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 44.6 | 67.0 |
| 103 | 55.0 | 45.4 | 68.0 |






#71
Bromoform
Concen: 51.900 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:173 Resp: 51823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 23.8 | 71.4 |
| 254 | 0.1 | 0.0 | 0.0# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :Semsettin Yesilyurt 12/23/2024
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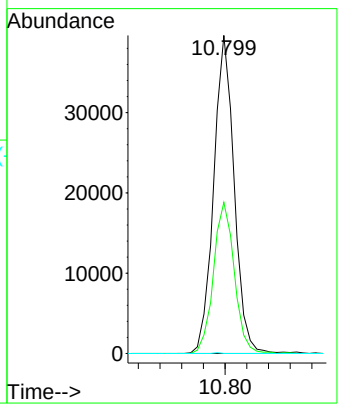
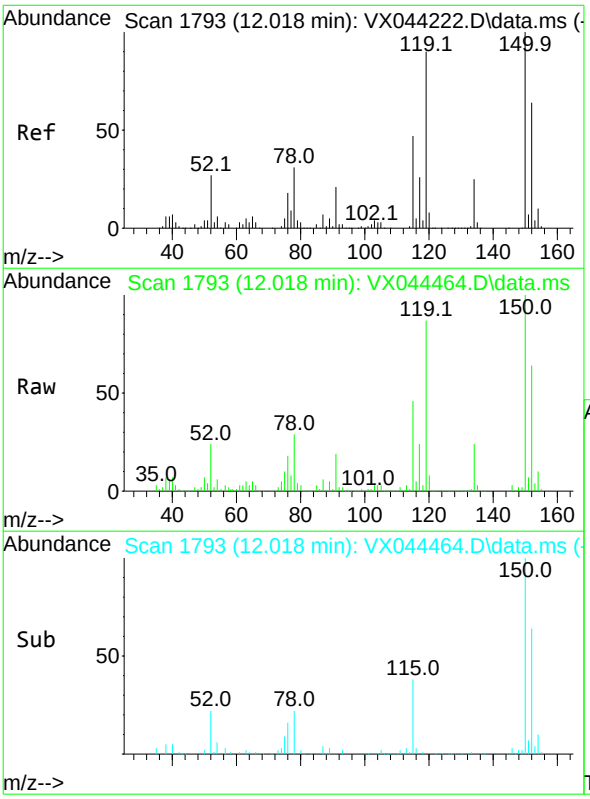
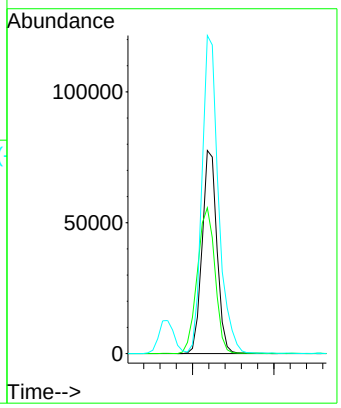


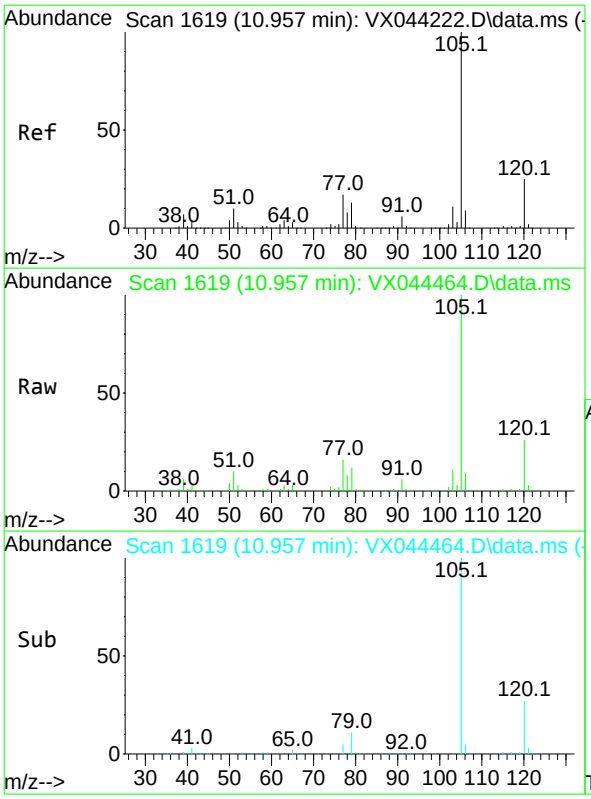




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:152 Resp: 97831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.4 | 44.5 | 133.3 |
| 150 | 174.4 | 0.0 | 353.8 |

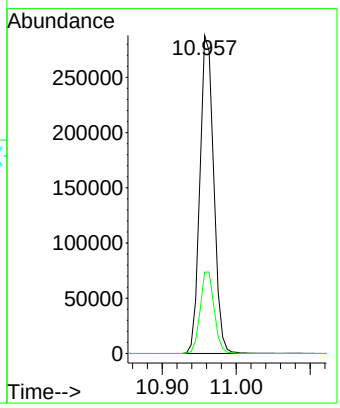





#73
Isopropylbenzene
Concen: 50.011 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:105 Resp: 374548

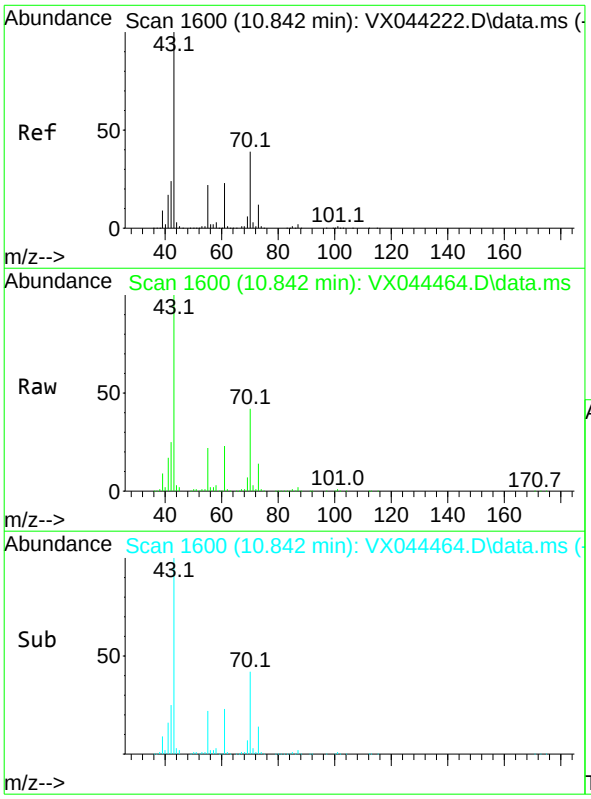
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

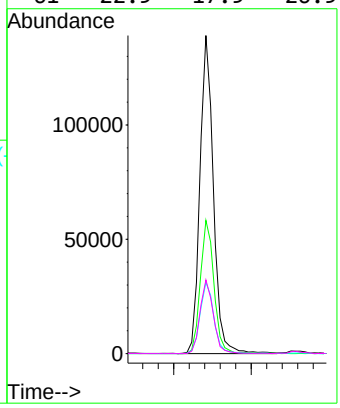
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

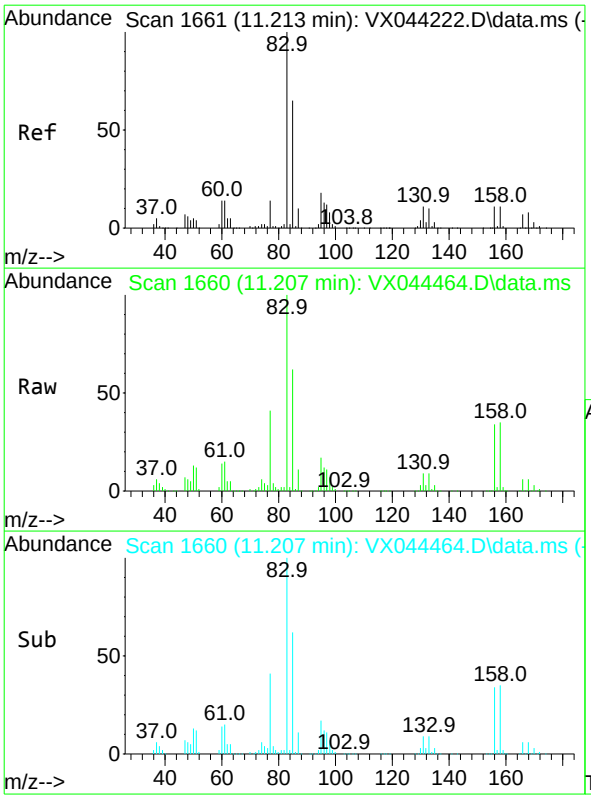



#74
N-amyl acetate
Concen: 48.576 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 168135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.4 | 31.9 | 47.9 |
| 55 | 22.9 | 17.9 | 26.9 |
| 61 | 22.9 | 17.9 | 26.9 |

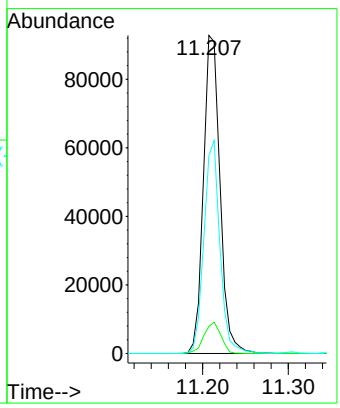





#75
1,1,2,2-Tetrachloroethane
Concen: 48.065 ug/l
RT: 11.207 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 83 Resp: 125030

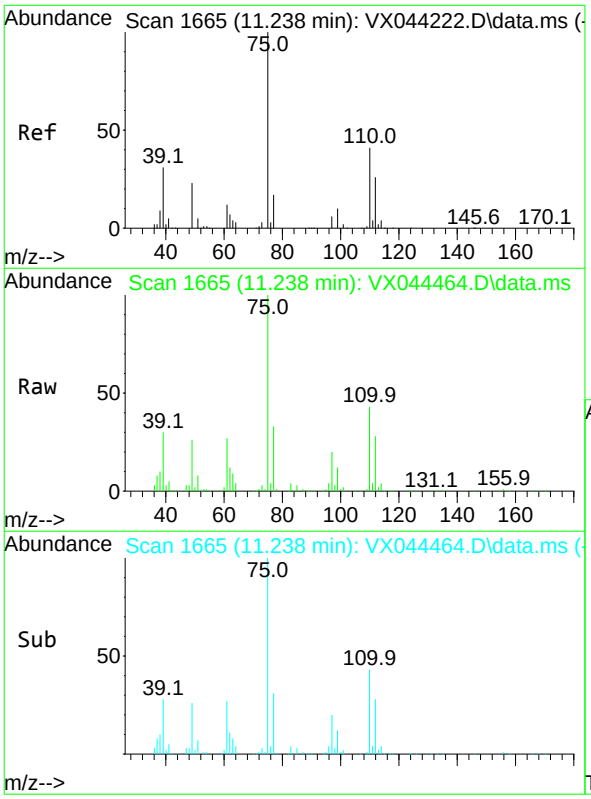
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.4 |
| 85 | 64.6 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

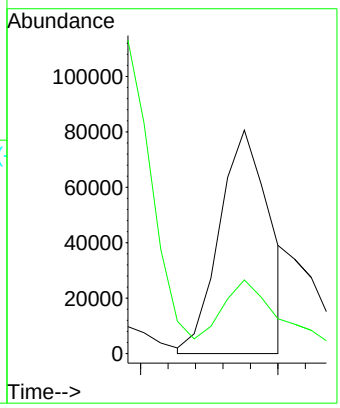
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

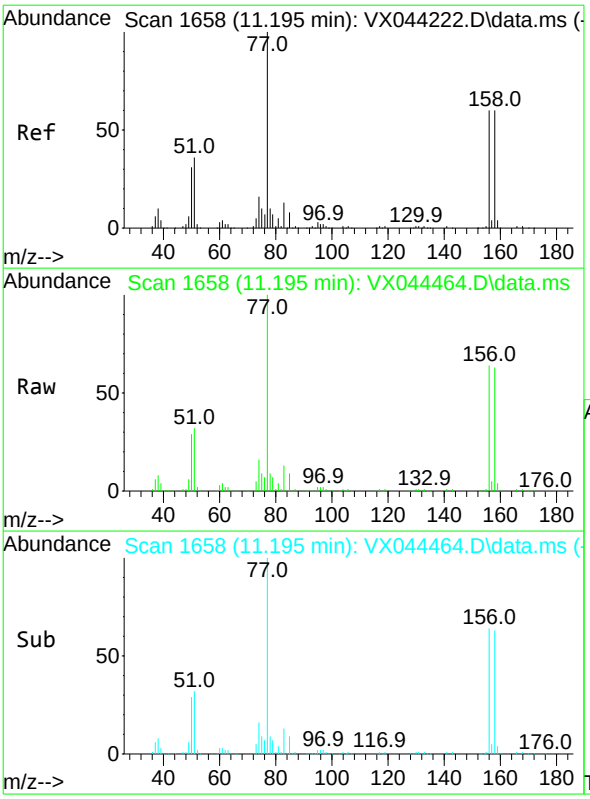



#76
1,2,3-Trichloropropane
Concen: 46.709 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 102028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.9 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 51.903 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:156 Resp: 94262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 153.3 | 82.6 | 247.8 |
| 158 | 95.8 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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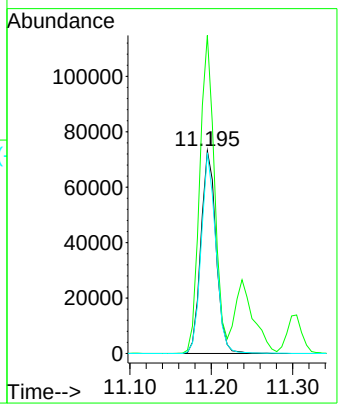
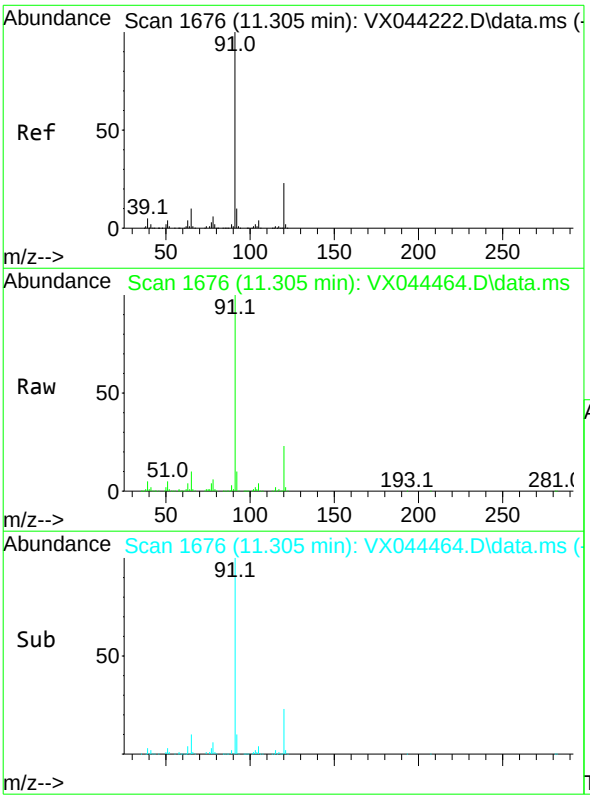
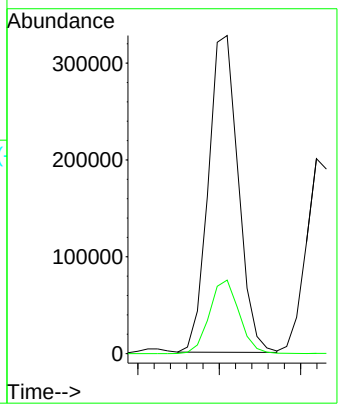


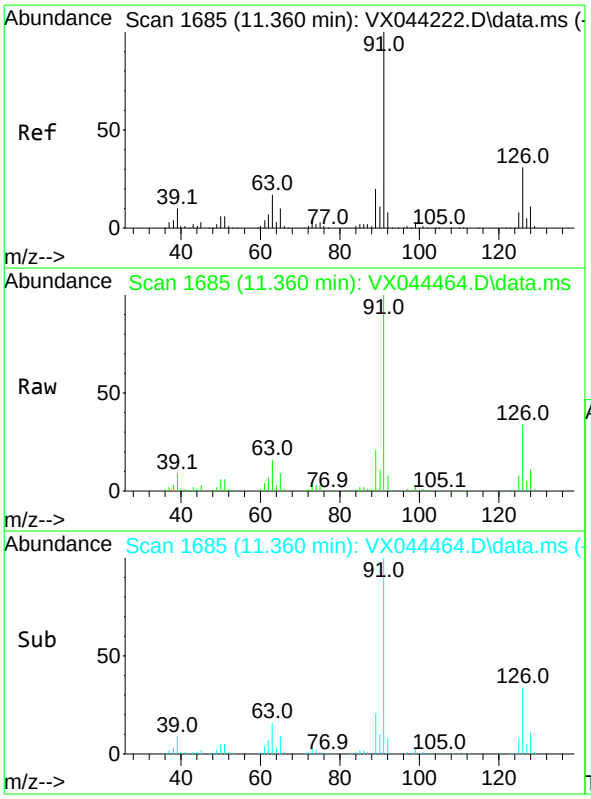




#78
n-propylbenzene
Concen: 50.432 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 91 Resp: 417465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.0 | 33.0 |

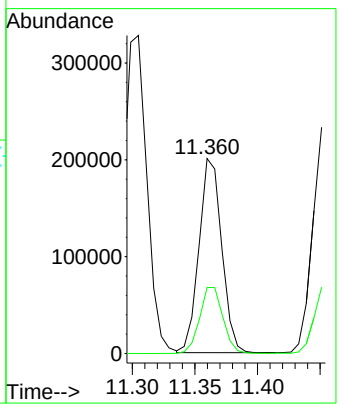





#79
2-Chlorotoluene
Concen: 47.285 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 91 Resp: 253139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.9 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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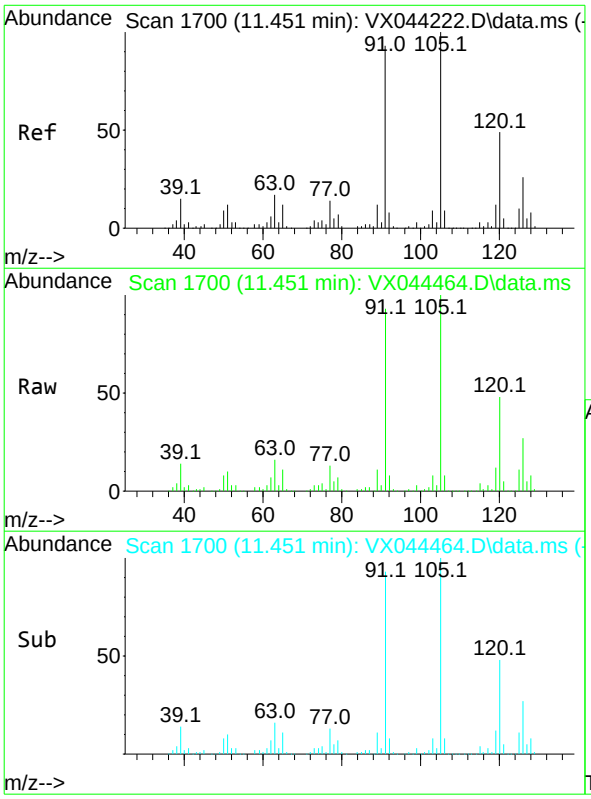
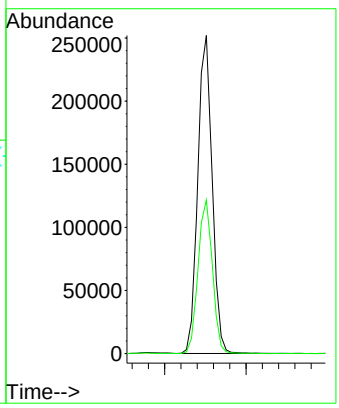
Supervised By :Mahesh Dadoda 12/24/2024

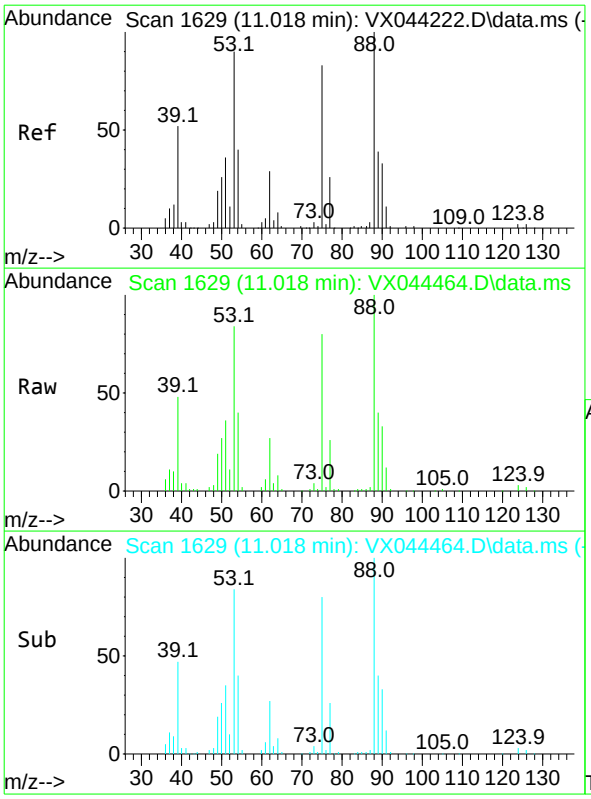



#80
1,3,5-Trimethylbenzene
Concen: 49.787 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:105 Resp: 309218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 43.348 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 32407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 111.6 | 93.6 | 140.4 |
| 89 | 49.1 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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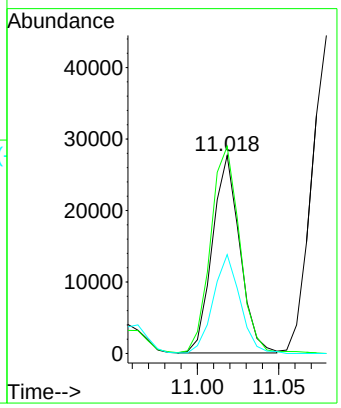
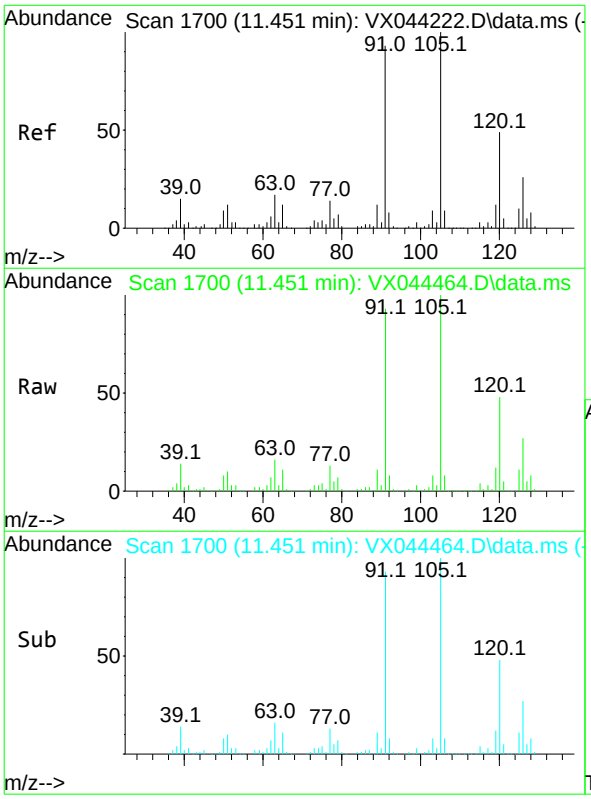
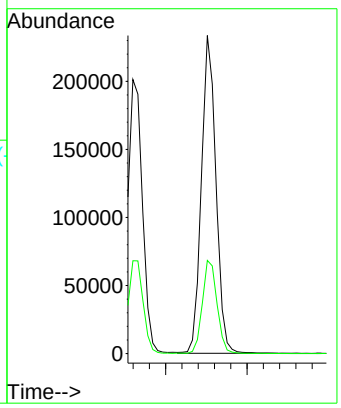


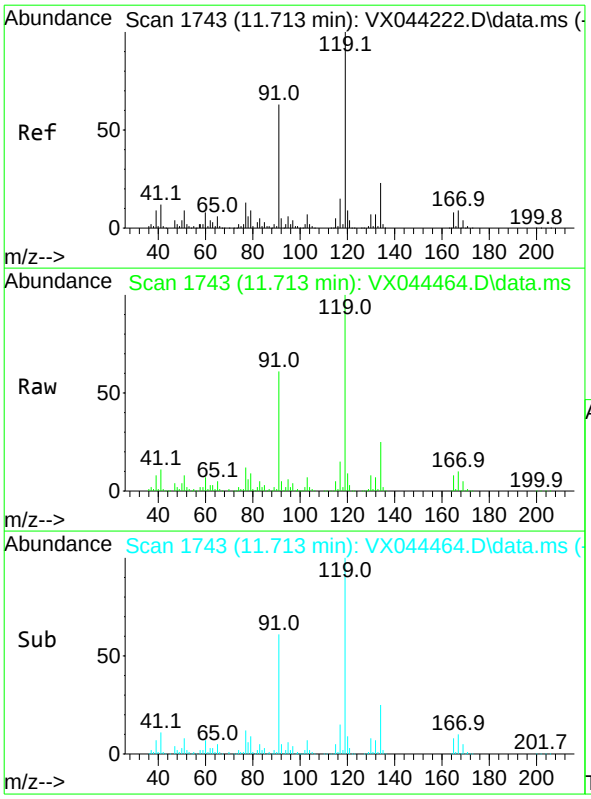




#82
4-Chlorotoluene
Concen: 48.802 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 91 Resp: 289306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.8 | 14.5 | 43.5 |

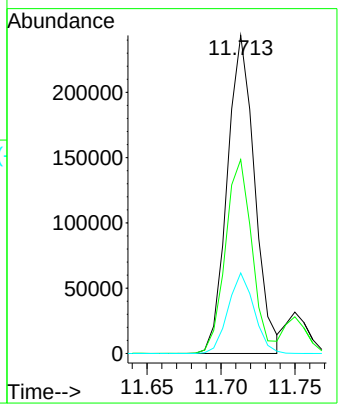





#83
tert-Butylbenzene
Concen: 50.950 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:119 Resp: 312731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.8 | 30.9 | 92.5 |
| 134 | 24.1 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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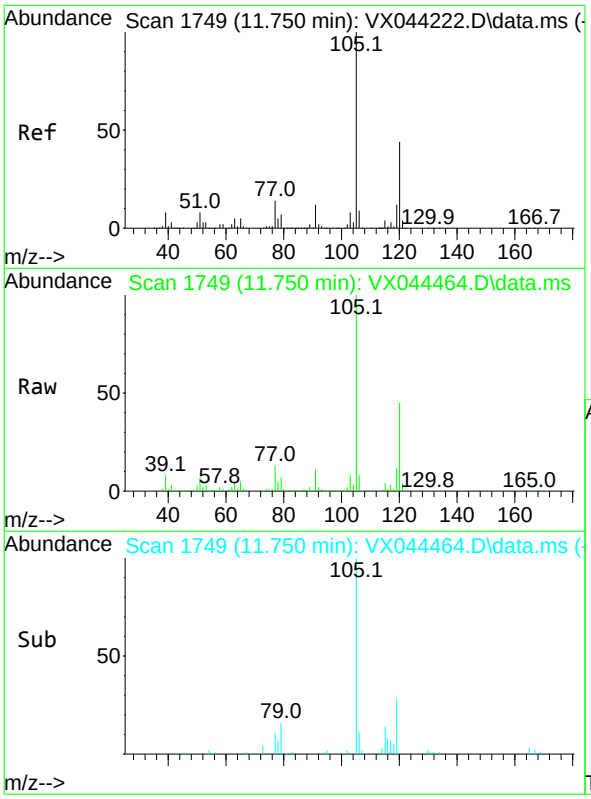
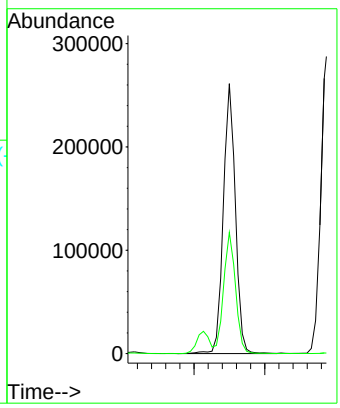
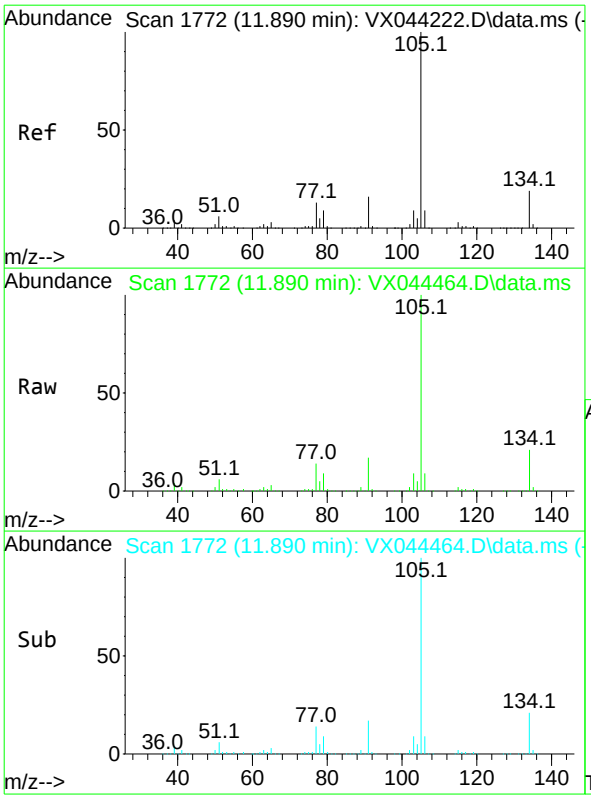



#84
1,2,4-Trimethylbenzene
Concen: 50.564 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:105 Resp: 308415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 50.546 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:105 Resp: 376639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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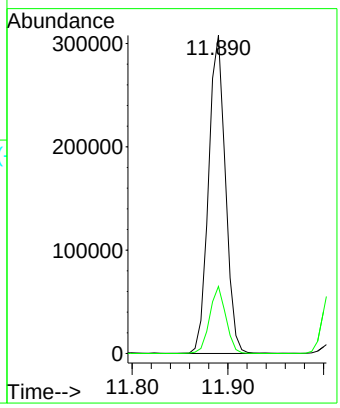
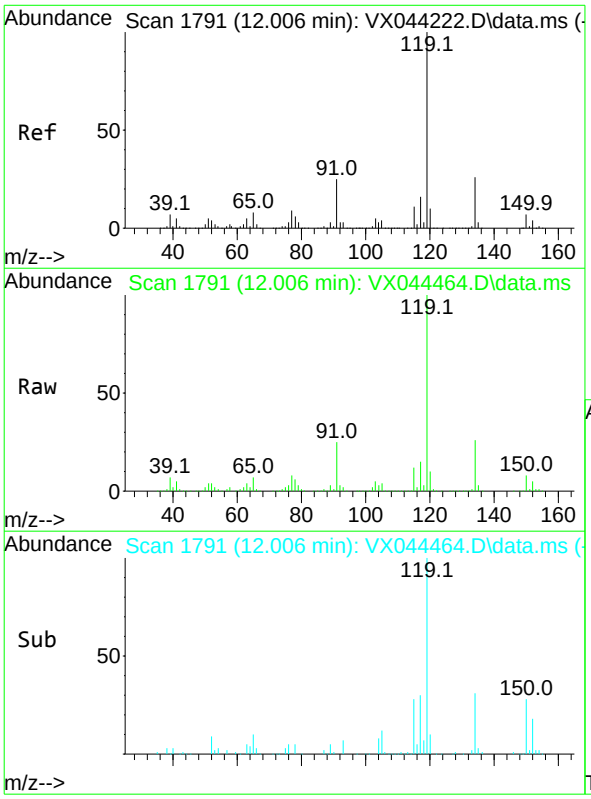
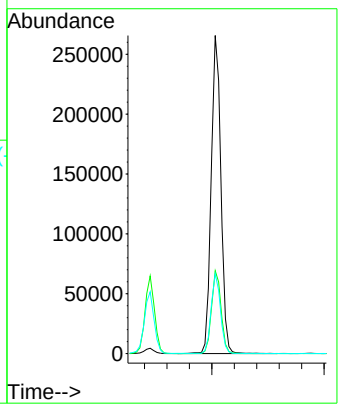


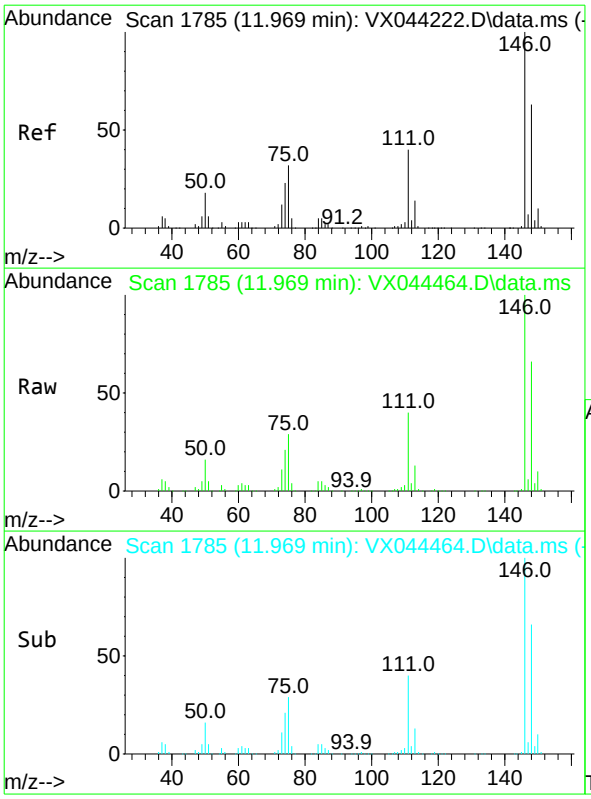




#86
p-Isopropyltoluene
Concen: 51.504 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:119 Resp: 319422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 12.8 | 38.4 |
| 91 | 24.1 | 13.0 | 39.0 |






#87
1,3-Dichlorobenzene
Concen: 51.480 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:146 Resp: 163311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 21.4 | 64.2 |
| 148 | 64.7 | 31.7 | 95.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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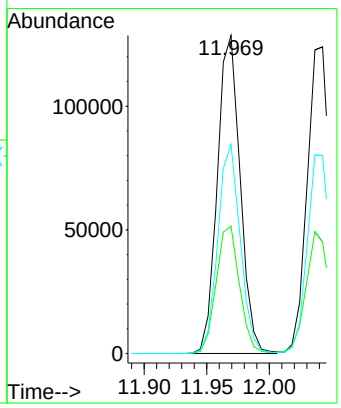
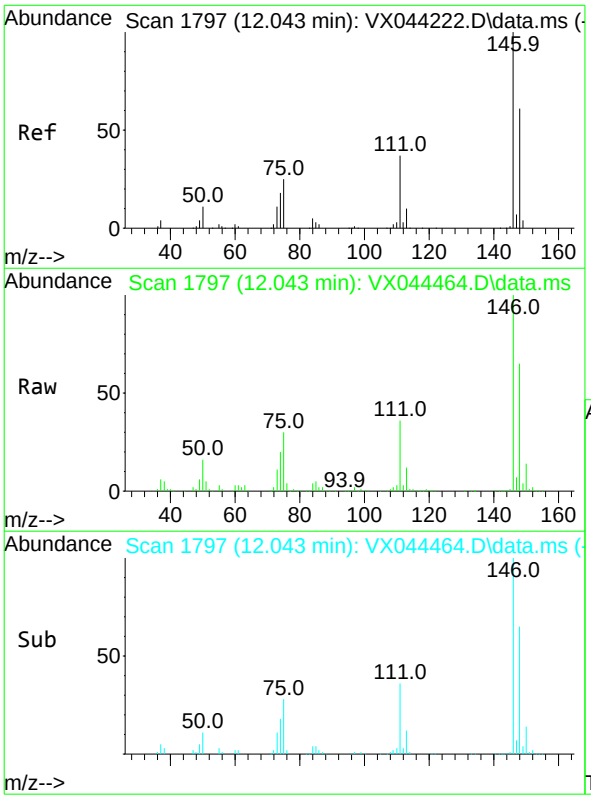
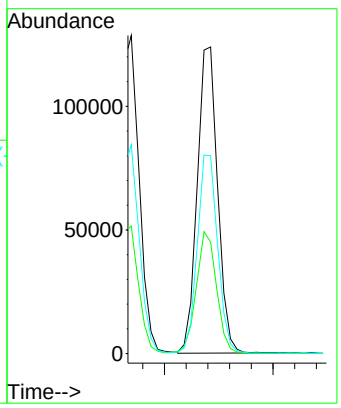


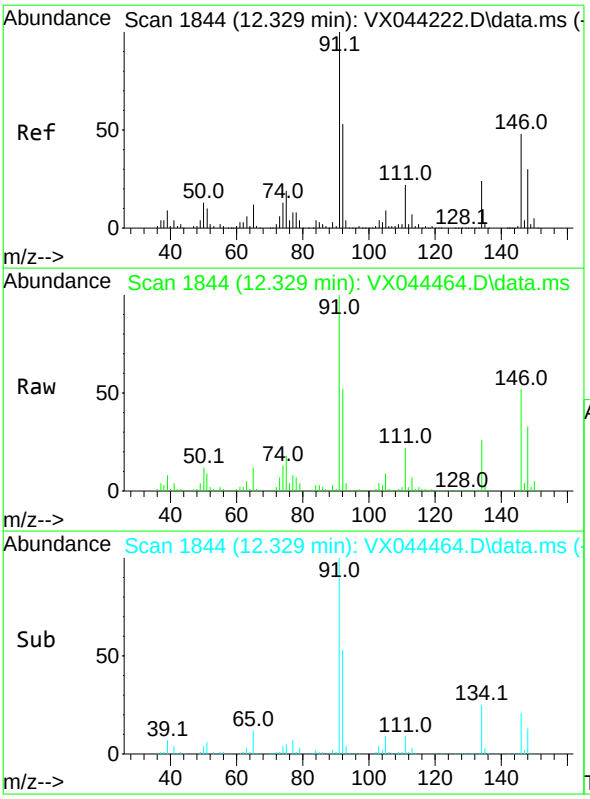




#88
1,4-Dichlorobenzene
Concen: 49.579 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:146 Resp: 161681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 21.0 | 63.0 |
| 148 | 65.1 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 50.212 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 91 Resp: 261860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.2 | 26.6 | 79.7 |
| 134 | 26.0 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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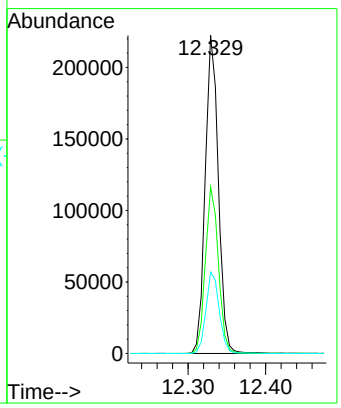
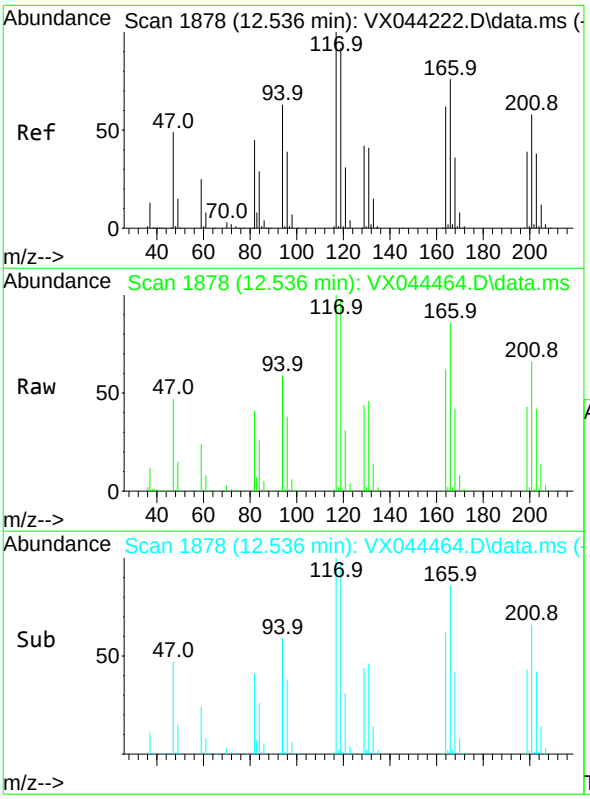
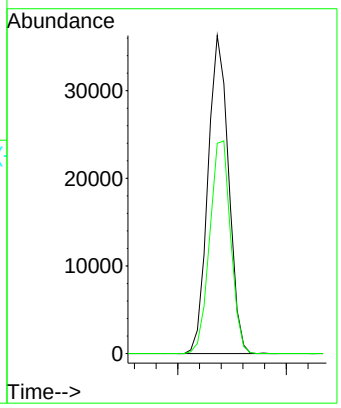


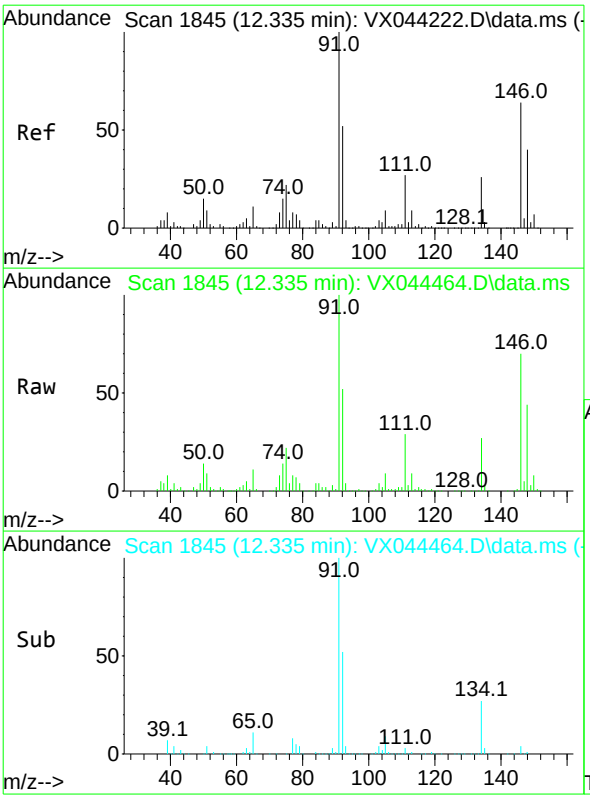




#90
Hexachloroethane
Concen: 52.940 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:117 Resp: 47928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.8 | 31.4 | 94.2 |

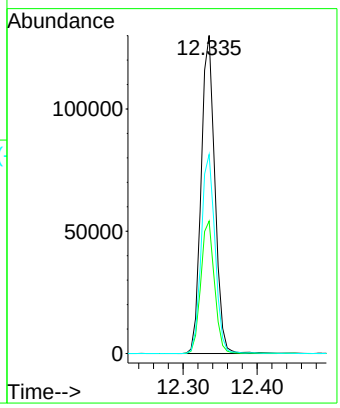





#91
1,2-Dichlorobenzene
Concen: 50.764 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:146 Resp: 167214

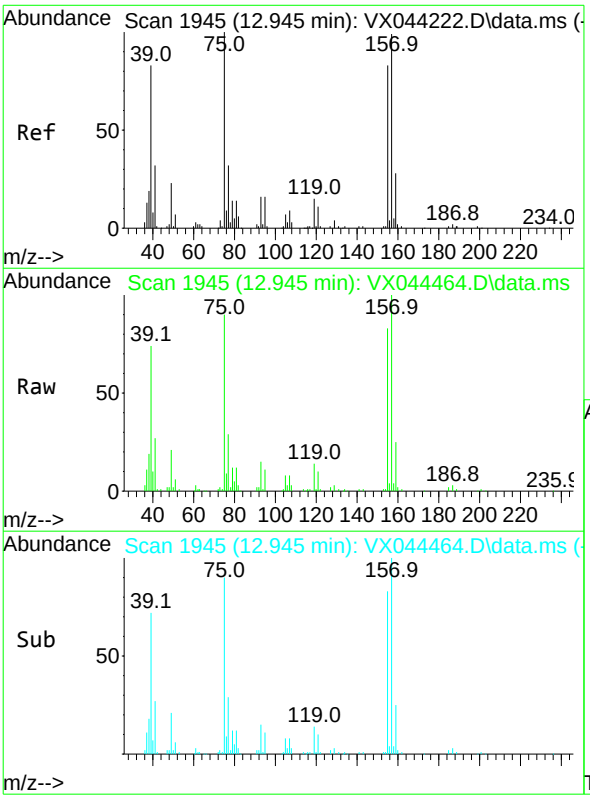
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 21.4 | 64.3 |
| 148 | 63.1 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

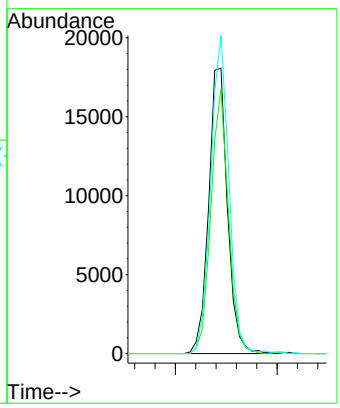
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

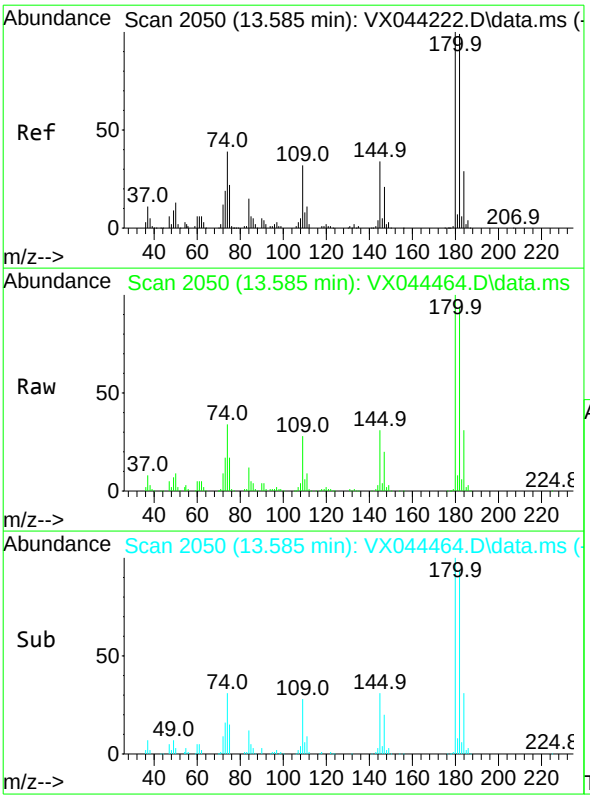



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.042 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 23250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.4 | 38.1 | 114.3 |
| 157 | 107.8 | 47.2 | 141.6 |

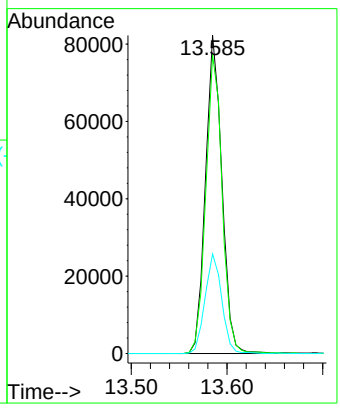





#93
1,2,4-Trichlorobenzene
Concen: 54.188 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:180 Resp: 97858

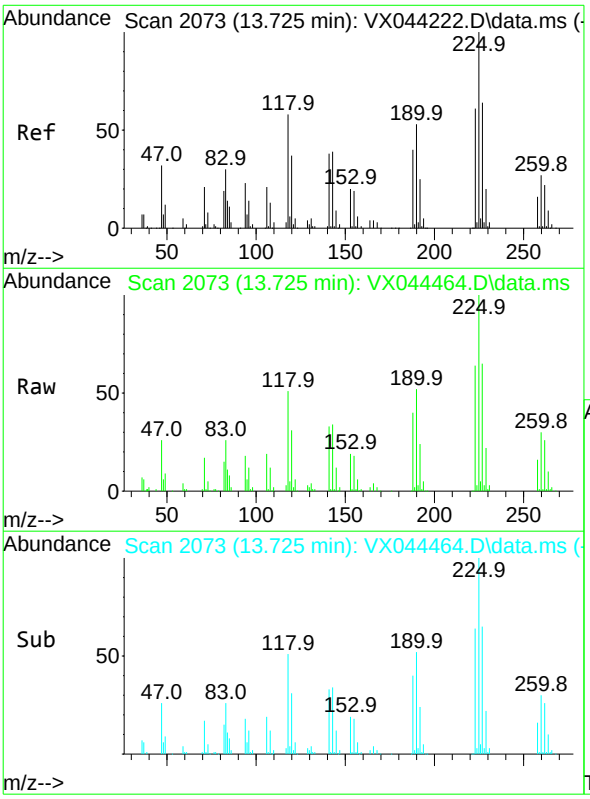
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 48.0 | 144.2 |
| 145 | 31.9 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

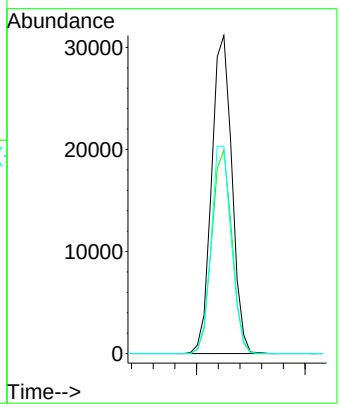
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

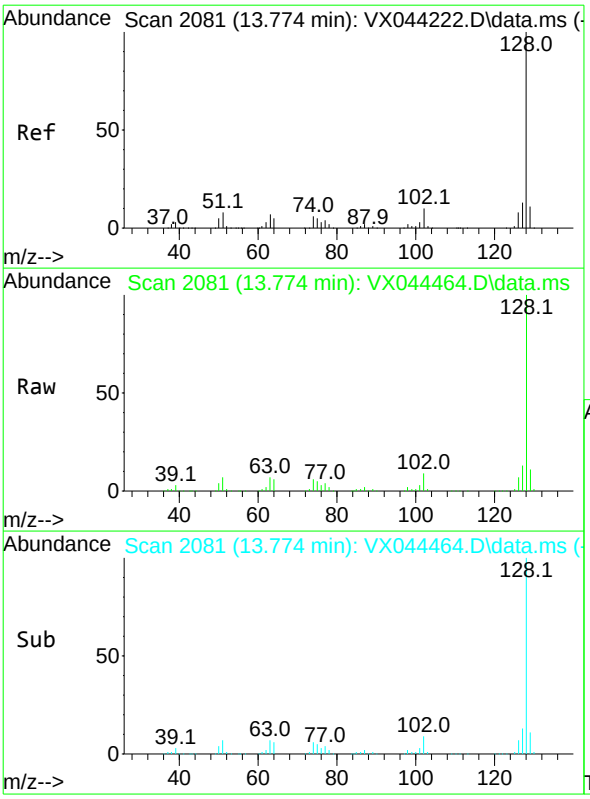



#94
Hexachlorobutadiene
Concen: 55.763 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:225 Resp: 40506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 30.8 | 92.4 |
| 227 | 65.0 | 32.1 | 96.3 |

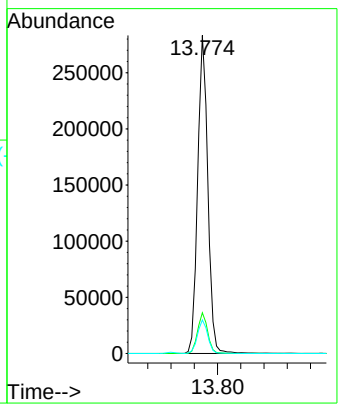





#95
Naphthalene
Concen: 48.680 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:128 Resp: 343151

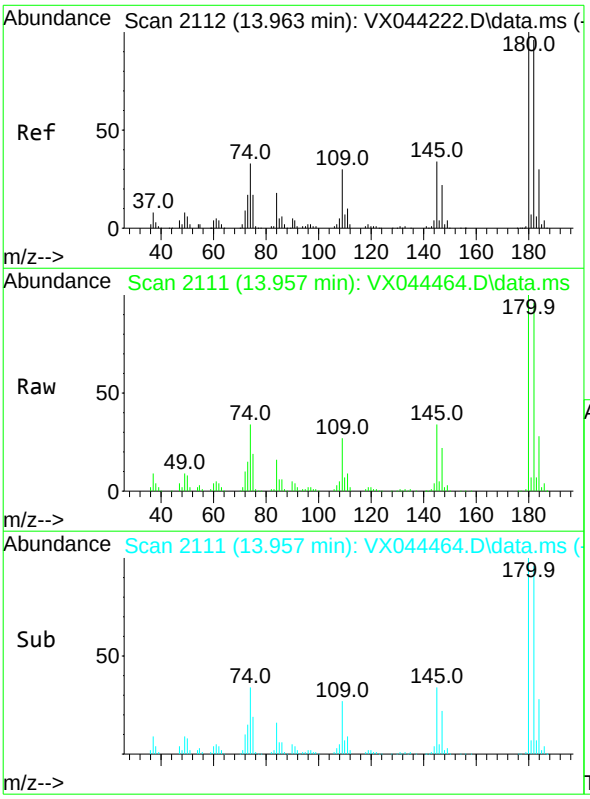
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 10.7 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

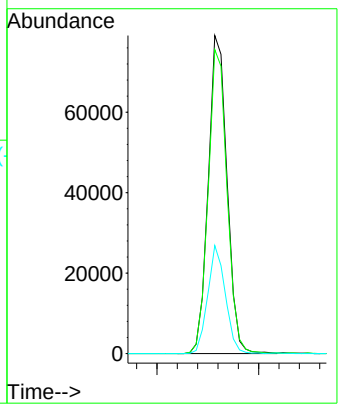
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024




#96
1,2,3-Trichlorobenzene
Concen: 52.939 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:180 Resp: 101400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 48.0 | 144.0 |
| 145 | 31.9 | 17.7 | 53.1 |



Sample Results: **VX044464.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.773 | 0.744 | 3.8 | 105 | 0.00 |
| 3 | P | Chloromethane | 0.739 | 0.696 | 5.8 | 103 | 0.00 |
| 4 | C | Vinyl Chloride | 0.770 | 0.730 | 5.2# | 104 | 0.00 |
| 5 | T | Bromomethane | 0.546 | 0.498 | 8.8 | 101 | 0.00 |
| 6 | T | Chloroethane | 0.480 | 0.507 | -5.6 | 106 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.508 | 1.202 | 20.3 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 0.515 | 0.439 | 14.8 | 96 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.590 | 3.3 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 0.804 | 0.807 | -0.4 | 106 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.102 | 17.7 | 94 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.560 | 0.0 | 105 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.159 | 11.2 | 96 | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.888 | 4.8 | 98 | 0.00 |
| 15 | T | Acrylonitrile | 0.342 | 0.310 | 9.4 | 96 | 0.00 |
| 16 | T | Acetone | 0.357 | 0.270 | 24.4 | 79 | 0.00 |
| 17 | T | Carbon Disulfide | 1.065 | 1.089 | -2.3 | 106 | 0.00 |
| 18 | T | Methyl Acetate | 0.922 | 0.860 | 6.7 | 101 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.187 | 1.972 | 9.8 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 0.671 | 0.636 | 5.2 | 103 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.578 | 3.0 | 104 | 0.00 |
| 22 | T | Diisopropyl ether | 2.102 | 1.893 | 9.9 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 1.709 | 1.665 | 2.6 | 97 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.172 | 1.125 | 4.0 | 101 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.433 | 14.8 | 88 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.952 | 0.828 | 13.0 | 88 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.756 | 0.719 | 4.9 | 104 | 0.00 |
| 28 | T | Bromochloromethane | 0.575 | 0.510 | 11.3 | 96 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.277 | 15.0 | 92 | 0.00 |
| 30 | C | Chloroform | 1.316 | 1.190 | 9.6# | 99 | 0.00 |
| 31 | T | Cyclohexane | 0.946 | 0.871 | 7.9 | 99 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.093 | 1.029 | 5.9 | 98 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.877 | 0.778 | 11.3 | 94 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.363 | -4.9 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.448 | 0.439 | 2.0 | 101 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.533 | 3.6 | 94 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.482 | 0.495 | -2.7 | 101 | 0.00 |
| 39 | T | Methylcyclohexane | 0.535 | 0.550 | -2.8 | 101 | 0.00 |
| 40 | TM | Benzene | 1.359 | 1.393 | -2.5 | 101 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.279 | 5.1 | 95 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.560 | 0.534 | 4.6 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.831 | 3.9 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 0.339 | 0.360 | -6.2 | 105 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.347 | 0.345 | 0.6# | 99 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.276 | -2.6 | 99 | 0.00 |
| 47 | T | Bromodichloromethane | 0.465 | 0.491 | -5.6 | 99 | 0.00 |
| 48 | T | Methyl methacrylate | 0.420 | 0.396 | 5.7 | 91 | 0.00 |

Sample Results: **VX044464.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.007 | 0.0 | 95 | -0.01 |
| 50 | S | Toluene-d8 | 1.168 | 1.213 | -3.9 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.556 | 0.524 | 5.8 | 91 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.855 | -0.2# | 100 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.455 | 0.482 | -5.9 | 96 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.507 | 0.531 | -4.7 | 96 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.339 | 0.345 | -1.8 | 99 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.535 | 0.551 | -3.0 | 98 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.588 | 0.3 | 98 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.263 | 2.6 | 92 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.381 | 5.5 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 0.326 | 0.361 | -10.7 | 100 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.366 | -6.1 | 102 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.408 | 0.418 | -2.5 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 64 | T | Tetrachloroethene | 0.332 | 0.343 | -3.3 | 108 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.094 | -2.1 | 101 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.344 | 0.383 | -11.3 | 103 | 0.00 |
| 67 | C | Ethyl Benzene | 1.851 | 1.868 | -0.9# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.713 | -5.0 | 102 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.708 | -3.1 | 101 | 0.00 |
| 70 | T | Styrene | 1.102 | 1.163 | -5.5 | 101 | 0.00 |
| 71 | P | Bromoform | 0.219 | 0.251 | -14.6 | 102 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 3.828 | 3.829 | -0.0 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 1.769 | 1.719 | 2.8 | 92 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.329 | 1.278 | 3.8 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.116 | 1.043 | 6.5 | 95 | 0.00 |
| 77 | T | Bromobenzene | 0.928 | 0.964 | -3.9 | 105 | 0.00 |
| 78 | T | n-propylbenzene | 4.231 | 4.267 | -0.9 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.736 | 2.588 | 5.4 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.174 | 3.161 | 0.4 | 98 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.347 | 0.331 | 4.6 | 92 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.030 | 2.957 | 2.4 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.137 | 3.197 | -1.9 | 101 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.117 | 3.153 | -1.2 | 98 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.808 | 3.850 | -1.1 | 99 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.170 | 3.265 | -3.0 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.621 | 1.669 | -3.0 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.653 | 0.8 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 2.665 | 2.677 | -0.5 | 97 | 0.00 |
| 90 | T | Hexachloroethane | 0.463 | 0.490 | -5.8 | 99 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.709 | -1.5 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.238 | 7.8 | 89 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.923 | 1.000 | -8.3 | 105 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.371 | 0.414 | -11.6 | 115 | 0.00 |
| 95 | T | Naphthalene | 3.603 | 3.508 | 2.6 | 94 | 0.00 |

Sample Results: **VX044464.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.979 | 1.036 | -5.8 | 105 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Sample Results: **VX044464.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 112 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.084 | 3.8 | 105 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 47.052 | 5.9 | 103 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.388 | 5.2# | 104 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 45.581 | 8.8 | 101 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 52.848 | -5.7 | 106 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 39.855 | 20.3 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 42.687 | 14.6 | 96 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.311 | 3.4 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 50.177 | -0.4 | 106 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 205.778 | 17.7 | 94 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.001 | -0.0# | 105 | 0.00 |
| 13 | T | Acrolein | 250.000 | 222.774 | 10.9 | 96 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.541 | 4.9 | 98 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 226.182 | 9.5 | 96 | 0.00 |
| 16 | T | Acetone | 250.000 | 188.692 | 24.5 | 79 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 51.130 | -2.3 | 106 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 46.678 | 6.6 | 101 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 45.089 | 9.8 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.401 | 5.2 | 103 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.517 | 3.0 | 104 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 45.018 | 10.0 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 243.510 | 2.6 | 97 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.018 | 4.0 | 101 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 213.237 | 14.7 | 88 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 43.513 | 13.0 | 88 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.511 | 5.0 | 104 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 44.369 | 11.3 | 96 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 212.557 | 15.0 | 92 | 0.00 |
| 30 | C | Chloroform | 50.000 | 45.189 | 9.6# | 99 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.033 | 7.9 | 99 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.095 | 5.8 | 98 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 44.357 | 11.3 | 94 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.347 | -4.7 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.017 | 2.0 | 101 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.180 | 3.6 | 94 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.365 | -2.7 | 101 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.370 | -2.7 | 101 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.262 | -2.5 | 101 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.401 | 5.2 | 95 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.680 | 4.6 | 94 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 48.047 | 3.9 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 53.083 | -6.2 | 105 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.622 | 0.8# | 99 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.184 | -2.4 | 99 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.723 | -5.4 | 99 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 47.115 | 5.8 | 91 | 0.00 |

Sample Results: **VX044464.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1003.530 | -0.4 | 95 | -0.01 |
| 50 | S | Toluene-d8 | 50.000 | 51.923 | -3.8 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 235.413 | 5.8 | 91 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.071 | -0.1# | 100 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.388 | 3.2 | 96 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.437 | -4.9 | 96 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.814 | -1.6 | 99 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 51.516 | -3.0 | 98 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.799 | 0.4 | 98 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 243.652 | 2.5 | 92 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 236.376 | 5.4 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.206 | -0.4 | 100 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.053 | -6.1 | 102 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.161 | -2.3 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.727 | -3.5 | 108 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.056 | -2.1 | 101 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.601 | -11.2 | 103 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.462 | -0.9# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.028 | -5.0 | 102 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.494 | -3.0 | 101 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.761 | -5.5 | 101 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.900 | -3.8 | 102 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.011 | -0.0 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.576 | 2.8 | 92 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.065 | 3.9 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.709 | 6.6 | 95 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.903 | -3.8 | 105 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.432 | -0.9 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.285 | 5.4 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.787 | 0.4 | 98 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 43.348 | 13.3 | 92 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.802 | 2.4 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.950 | -1.9 | 101 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.564 | -1.1 | 98 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.546 | -1.1 | 99 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.504 | -3.0 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.480 | -3.0 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.579 | 0.8 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.212 | -0.4 | 97 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 52.940 | -5.9 | 99 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.764 | -1.5 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.042 | 7.9 | 89 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.188 | -8.4 | 105 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 55.763 | -11.5 | 115 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.680 | 2.6 | 94 | 0.00 |

Sample Results: **VX044464.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.939 | -5.9 | 105 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044466.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/23/2024 08:49

Lab File ID: VX044466.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.773 | 0.826 | | 6.86 | 20 |
| Chloromethane | 0.739 | 0.733 | 0.1 | -0.81 | 20 |
| Vinyl Chloride | 0.770 | 0.718 | | -6.75 | 20 |
| Bromomethane | 0.546 | 0.480 | | -12.09 | 20 |
| Chloroethane | 0.480 | 0.398 | | -17.08 | 20 |
| Trichlorofluoromethane | 1.508 | 1.293 | | -14.26 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.610 | 0.663 | | 8.69 | 20 |
| 1,1-Dichloroethene | 0.560 | 0.569 | | 1.61 | 20 |
| Acetone | 0.357 | 0.295 | | -17.37 | 20 |
| Carbon Disulfide | 1.065 | 0.991 | | -6.95 | 20 |
| Methyl tert-butyl Ether | 2.187 | 1.927 | | -11.89 | 20 |
| Methyl Acetate | 0.922 | 0.827 | | -10.3 | 20 |
| Methylene Chloride | 0.671 | 0.595 | | -11.33 | 20 |
| trans-1,2-Dichloroethene | 0.596 | 0.569 | | -4.53 | 20 |
| 1,1-Dichloroethane | 1.172 | 1.079 | 0.1 | -7.93 | 20 |
| Cyclohexane | 0.946 | 0.964 | | 1.9 | 20 |
| 2-Butanone | 0.508 | 0.426 | | -16.14 | 20 |
| Carbon Tetrachloride | 0.482 | 0.532 | | 10.37 | 20 |
| cis-1,2-Dichloroethene | 0.756 | 0.701 | | -7.28 | 20 |
| Bromochloromethane | 0.575 | 0.473 | | -17.74 | 20 |
| Chloroform | 1.316 | 1.165 | | -11.47 | 20 |
| 1,1,1-Trichloroethane | 1.093 | 1.033 | | -5.49 | 20 |
| Methylcyclohexane | 0.535 | 0.657 | | 22.8 | 20 |
| Benzene | 1.359 | 1.479 | | 8.83 | 20 |
| 1,2-Dichloroethane | 0.560 | 0.539 | | -3.75 | 20 |
| Trichloroethene | 0.339 | 0.375 | | 10.62 | 20 |
| 1,2-Dichloropropane | 0.347 | 0.363 | | 4.61 | 20 |
| Bromodichloromethane | 0.465 | 0.505 | | 8.6 | 20 |
| 4-Methyl-2-Pentanone | 0.556 | 0.519 | | -6.66 | 20 |
| Toluene | 0.853 | 0.904 | | 5.98 | 20 |
| t-1,3-Dichloropropene | 0.455 | 0.481 | | 5.71 | 20 |
| cis-1,3-Dichloropropene | 0.507 | 0.551 | | 8.68 | 20 |
| 1,1,2-Trichloroethane | 0.339 | 0.361 | | 6.49 | 20 |
| 2-Hexanone | 0.403 | 0.376 | | -6.7 | 20 |
| Dibromochloromethane | 0.326 | 0.354 | | 8.59 | 20 |
| 1,2-Dibromoethane | 0.345 | 0.365 | | 5.8 | 20 |
| Tetrachloroethene | 0.332 | 0.399 | | 20.18 | 20 |
| Chlorobenzene | 1.071 | 1.145 | 0.3 | 6.91 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044466.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/23/2024 08:49

Lab File ID: VX044466.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 1.931 | | 4.32 | 20 |
| m/p-Xylenes | 0.679 | 0.747 | | 10.02 | 20 |
| o-Xylene | 0.687 | 0.732 | | 6.55 | 20 |
| Styrene | 1.102 | 1.199 | | 8.8 | 20 |
| Bromoform | 0.219 | 0.252 | 0.1 | 15.07 | 20 |
| Isopropylbenzene | 3.828 | 4.164 | | 8.78 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.329 | 1.384 | 0.3 | 4.14 | 20 |
| 1,3-Dichlorobenzene | 1.621 | 1.739 | | 7.28 | 20 |
| 1,4-Dichlorobenzene | 1.667 | 1.793 | | 7.56 | 20 |
| 1,2-Dichlorobenzene | 1.684 | 1.789 | | 6.24 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.258 | 0.256 | | -0.77 | 20 |
| 1,2,4-Trichlorobenzene | 0.923 | 1.029 | | 11.48 | 20 |
| 1,2,3-Trichlorobenzene | 0.979 | 1.065 | | 8.78 | 20 |
| 1,2-Dichloroethane-d4 | 0.877 | 0.735 | | -16.19 | 20 |
| Dibromofluoromethane | 0.346 | 0.372 | | 7.51 | 20 |
| Toluene-d8 | 1.168 | 1.249 | | 6.93 | 20 |
| 4-Bromofluorobenzene | 0.408 | 0.415 | | 1.72 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 98270 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 155098 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 129773 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 59280 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 72225 | 41.918 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 83.840% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 57719 | 53.732 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 107.460% | | | |
| 50) Toluene-d8 | 8.641 | 98 | 193768 | 53.468 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 106.940% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 64363 | 50.827 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.660% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 81189 | 53.431 | ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 72049 | 49.584 | ug/l | 97 |
| 4) Vinyl Chloride | 1.380 | 62 | 70604 | 46.640 | ug/l | 98 |
| 5) Bromomethane | 1.599 | 94 | 47151 | 43.904 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 39107 | 41.487 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 127064 | 42.875 | ug/l | 99 |
| 8) Diethyl Ether | 2.130 | 74 | 38233 | 37.795 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 65130 | 54.311 | ug/l | 95 |
| 10) Methyl Iodide | 2.447 | 142 | 70995 | 44.919 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.989 | 59 | 17549 | 72.268 | ug/l # | 71 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 55954 | 50.798 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 61730 | 175.615 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 85968 | 46.857 | ug/l | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 157669 | 234.398 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 144825 | 206.174 | ug/l | 95 |
| 17) Carbon Disulfide | 2.501 | 76 | 97346 | 46.493 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 81261 | 44.867 | ug/l | 95 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 189369 | 44.056 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 58446 | 44.299 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 55872 | 47.727 | ug/l | 95 |
| 22) Diisopropyl ether | 3.751 | 45 | 185514 | 44.904 | ug/l | 88 |
| 23) Vinyl Acetate | 3.715 | 43 | 783324 | 233.215 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 106007 | 46.032 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 209192 | 209.482 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 95219 | 50.896 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 68850 | 46.309 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 46458 | 41.140 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.001 | 42 | 135710 | 211.723 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 114443 | 44.231 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 94719 | 50.934 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 101477 | 47.248 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 77076 | 55.509 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 82758 | 48.216 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 82491 | 55.181 | ug/l | 98 |
| 39) Methylcyclohexane | 7.372 | 83 | 101951 | 61.418 | ug/l | 97 |
| 40) Benzene | 6.025 | 78 | 229329 | 54.397 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 42994 | 47.172 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 83638 | 48.161 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.336 | 43 | 128551 | 47.918 | ug/l | | 97 |
| 44) Trichloroethene | 7.116 | 130 | 58165 | 55.326 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 56311 | 52.281 | ug/l | | 99 |
| 46) Dibromomethane | 7.574 | 93 | 43787 | 52.402 | ug/l | | 96 |
| 47) Bromodichloromethane | 7.818 | 83 | 78361 | 54.300 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 61073 | 46.898 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.677 | 88 | 21715 | 1005.738 | ug/l | # | 84 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 402283 | 233.216 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 140179 | 52.949 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 74563 | 48.256 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 85414 | 54.358 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 56021 | 53.264 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.116 | 69 | 81680 | 49.194 | ug/l | | 95 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 94586 | 51.667 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 203293 | 242.753 | ug/l | | 97 |
| 59) 2-Hexanone | 9.433 | 43 | 291491 | 233.464 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.518 | 129 | 54898 | 49.335 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 56628 | 52.895 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.268 | 164 | 51836 | 60.182 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 148588 | 53.435 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 50561 | 56.575 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 250606 | 52.159 | ug/l | | 96 |
| 68) m/p-Xylenes | 10.299 | 106 | 193976 | 110.024 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 94957 | 53.232 | ug/l | | 93 |
| 70) Styrene | 10.652 | 104 | 155555 | 54.396 | ug/l | | 95 |
| 71) Bromoform | 10.799 | 173 | 32723 | 52.112 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 246838 | 54.392 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 101119 | 48.214 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 82068 | 52.066 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 66533m | 50.267 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 58269 | 52.949 | ug/l | | 97 |
| 78) n-propylbenzene | 11.299 | 91 | 278932 | 55.610 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 166232 | 51.245 | ug/l | | 96 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 202499 | 53.807 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 22335 | 48.538 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 190339 | 52.988 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 202328 | 54.400 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 206380 | 55.839 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 245317 | 54.332 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 207299 | 55.162 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 103109 | 53.639 | ug/l | | 96 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 106265 | 53.777 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 173517 | 54.910 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 30390 | 55.398 | ug/l | | 90 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 106046 | 53.130 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 15164 | 49.558 | ug/l | | 87 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 61001 | 55.746 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 25708 | 58.407 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 225150 | 52.712 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 63159 | 54.418 | ug/l | | 98 |

Sample Results: **VX044466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

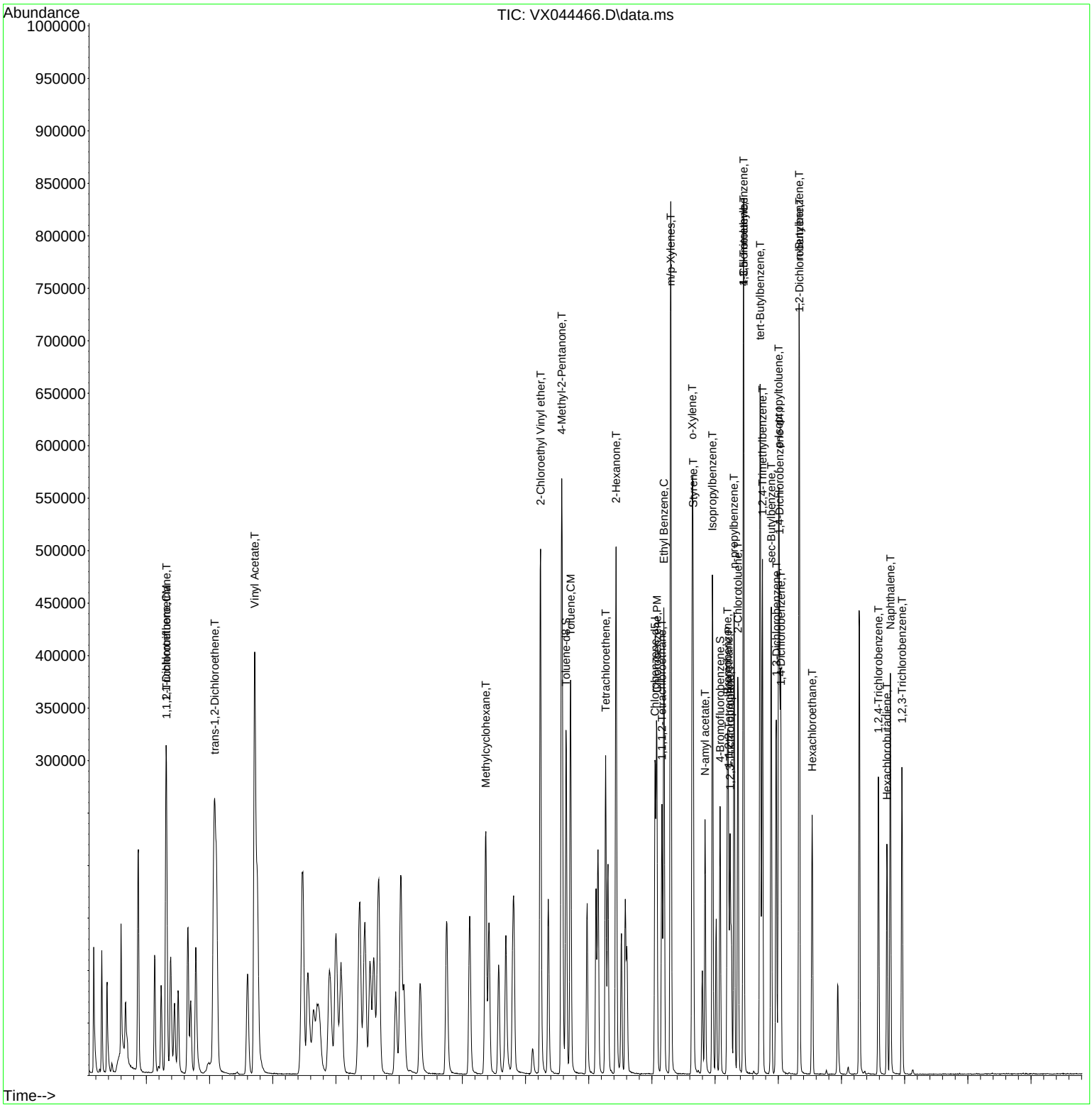
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

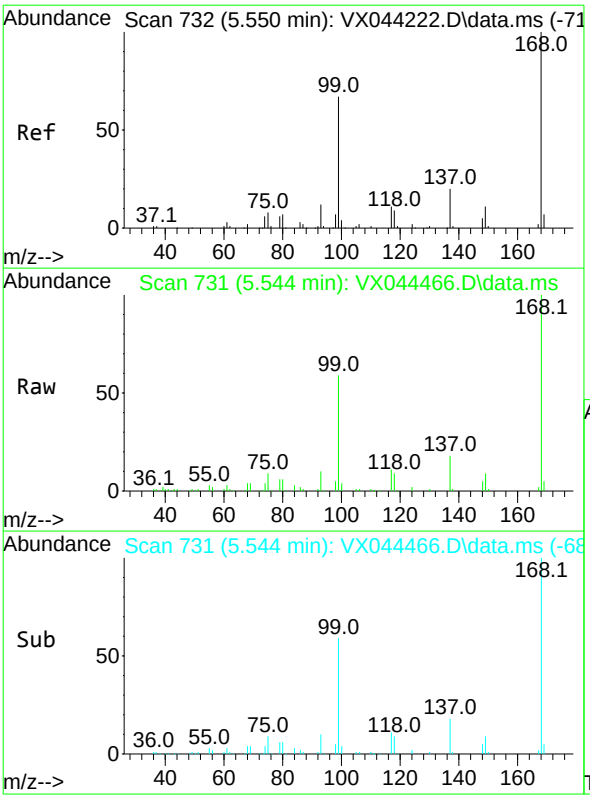
Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

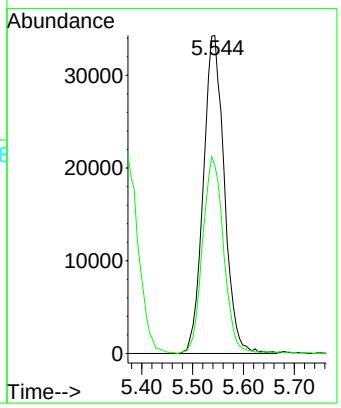





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:168 Resp: 98270

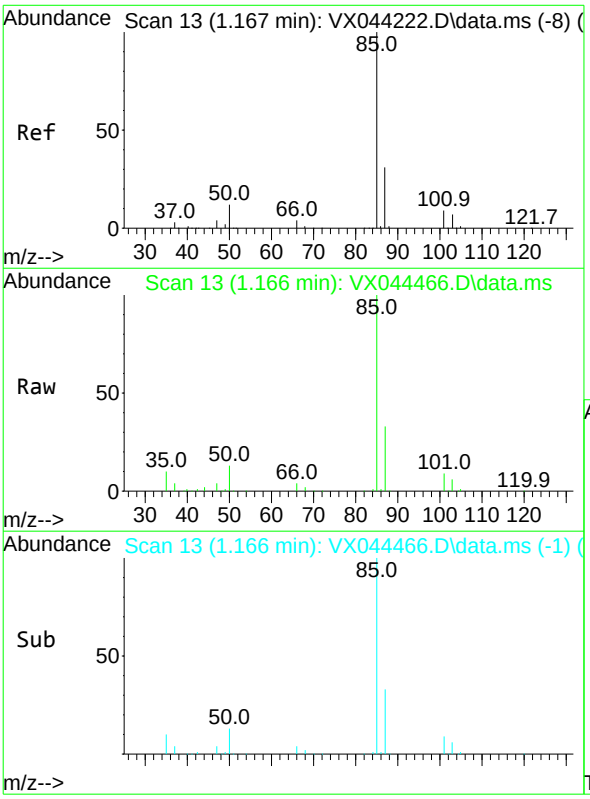
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.1 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

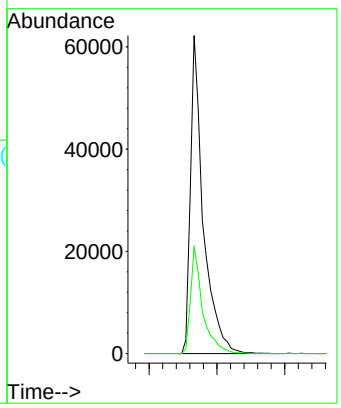
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

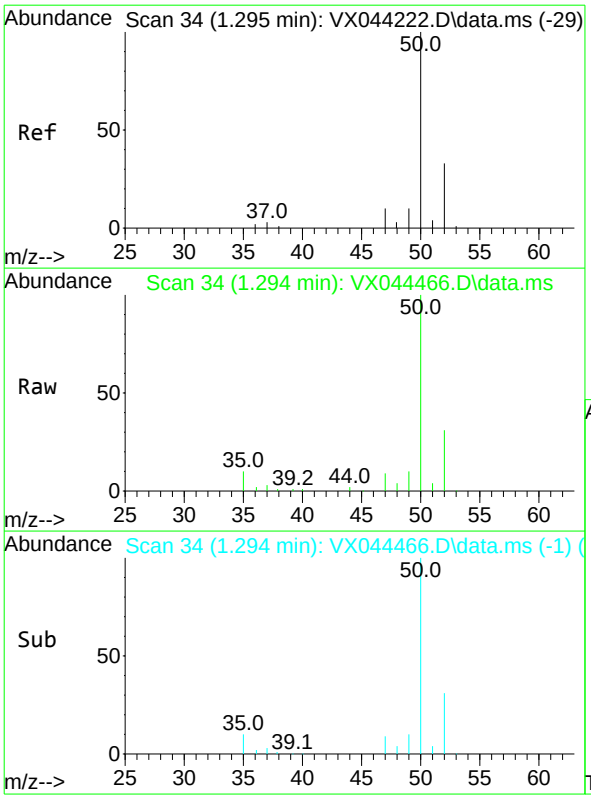



#2
Dichlorodifluoromethane
Concen: 53.431 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 85 Resp: 81189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.4 | 15.4 | 46.4 |

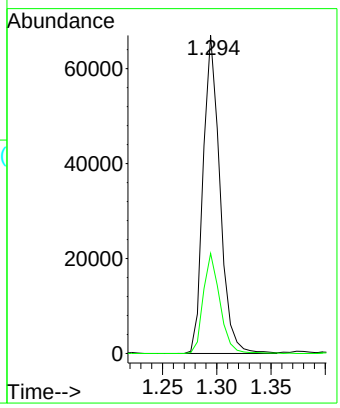





#3
Chloromethane
Concen: 49.584 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 50 Resp: 72049

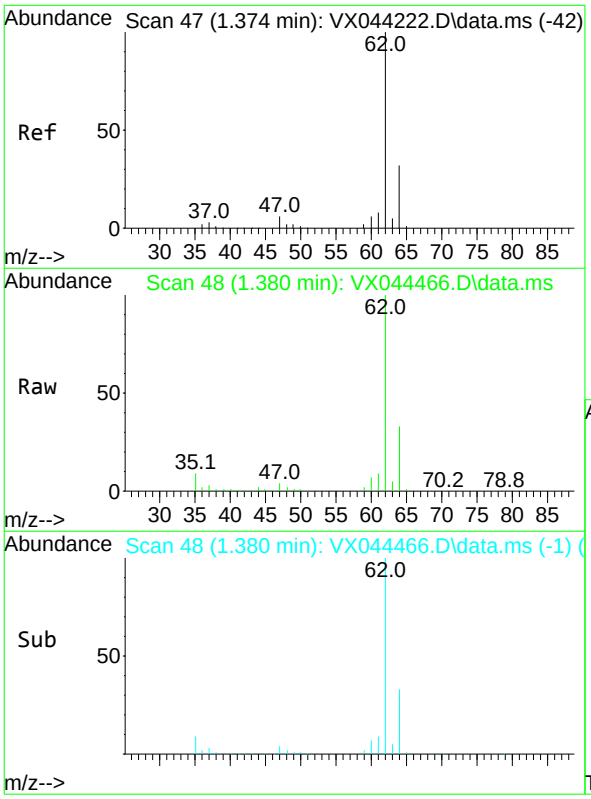
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.5 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

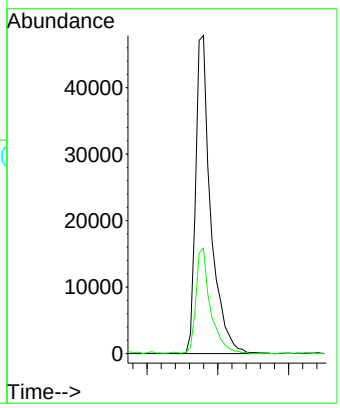
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

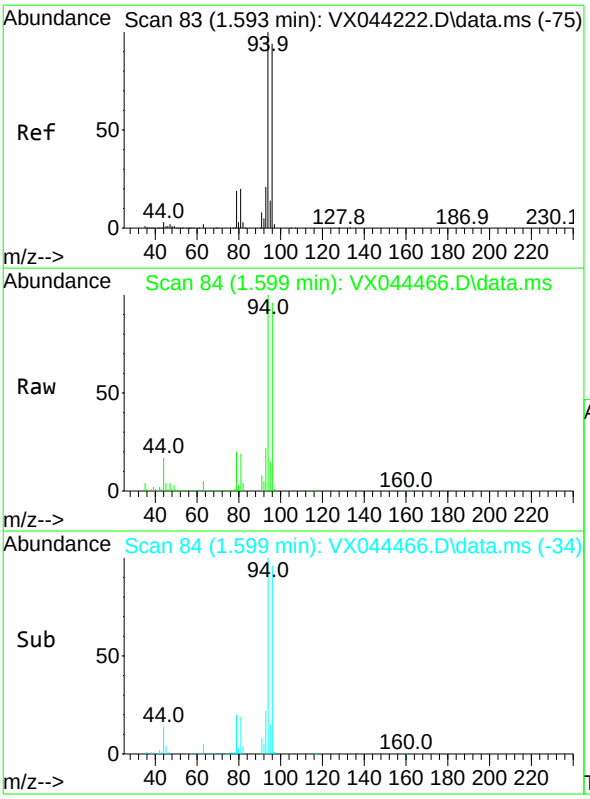



#4
Vinyl Chloride
Concen: 46.640 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 62 Resp: 70604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.2 | 25.7 | 38.5 |

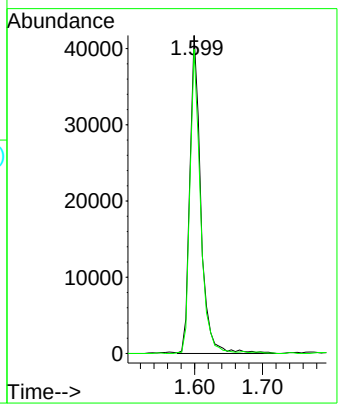





#5
Bromomethane
Concen: 43.904 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 94 Resp: 47151

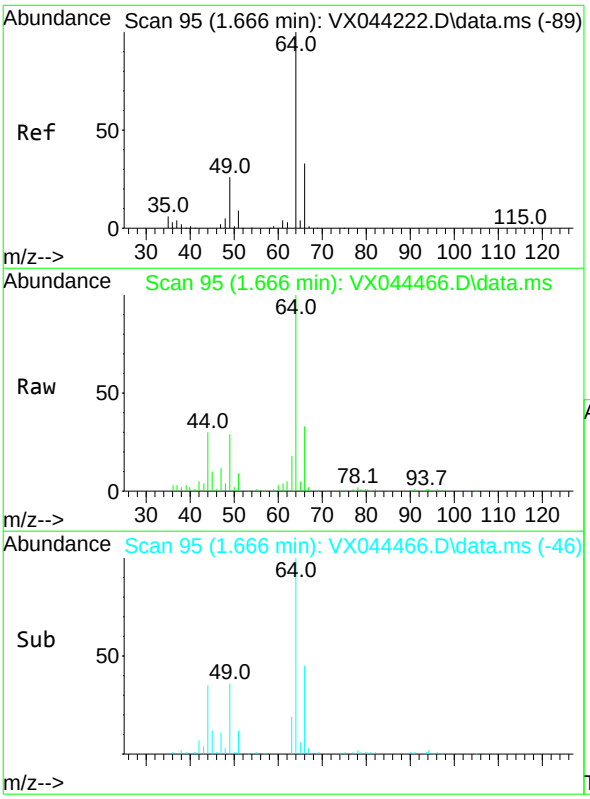
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.7 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

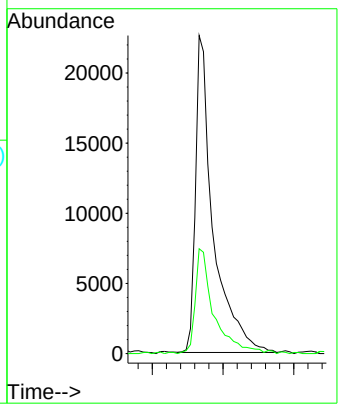
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

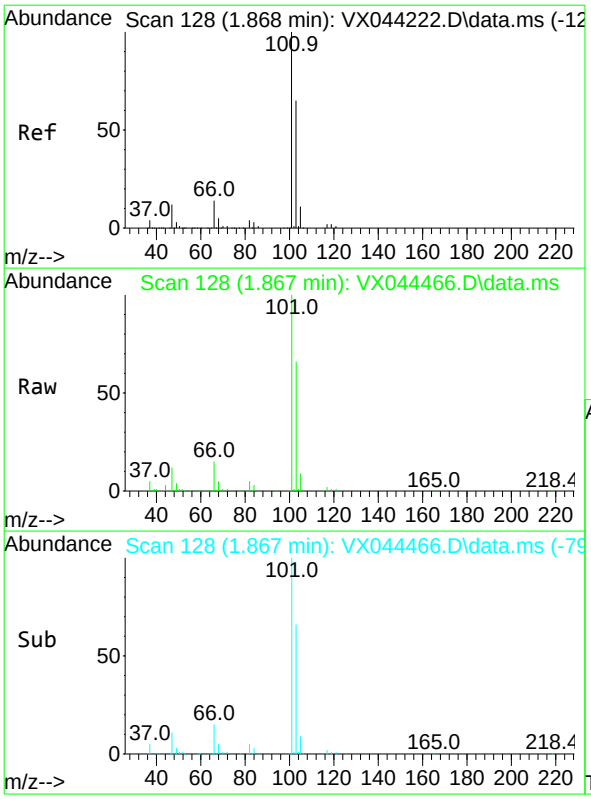



#6
Chloroethane
Concen: 41.487 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 64 Resp: 39107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.1 | 26.6 | 39.8 |

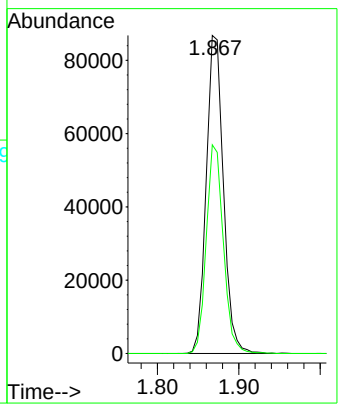





#7
Trichlorofluoromethane
Concen: 42.875 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:101 Resp: 127064

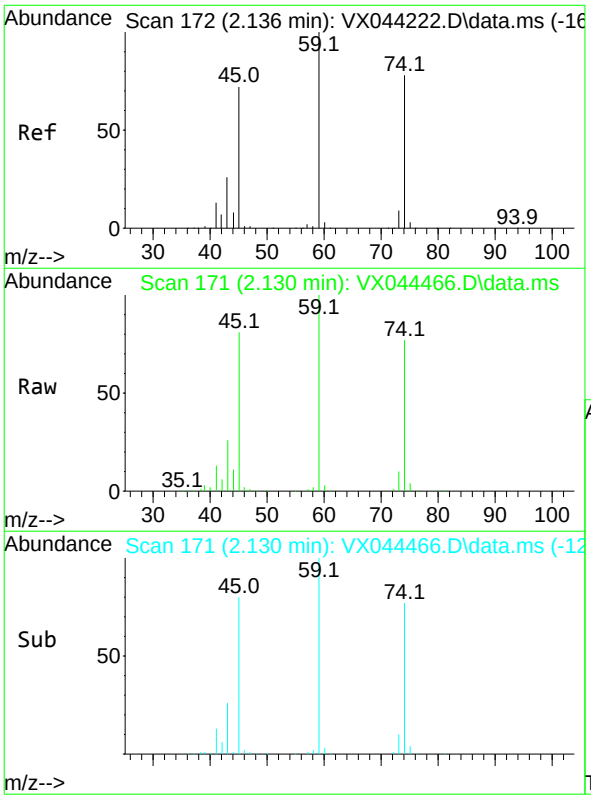
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.6 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

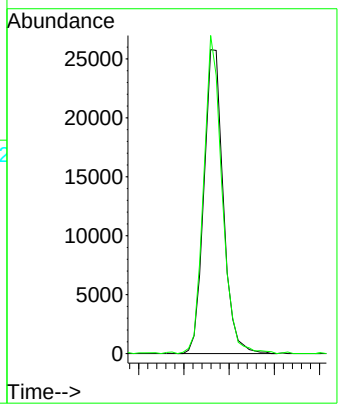
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

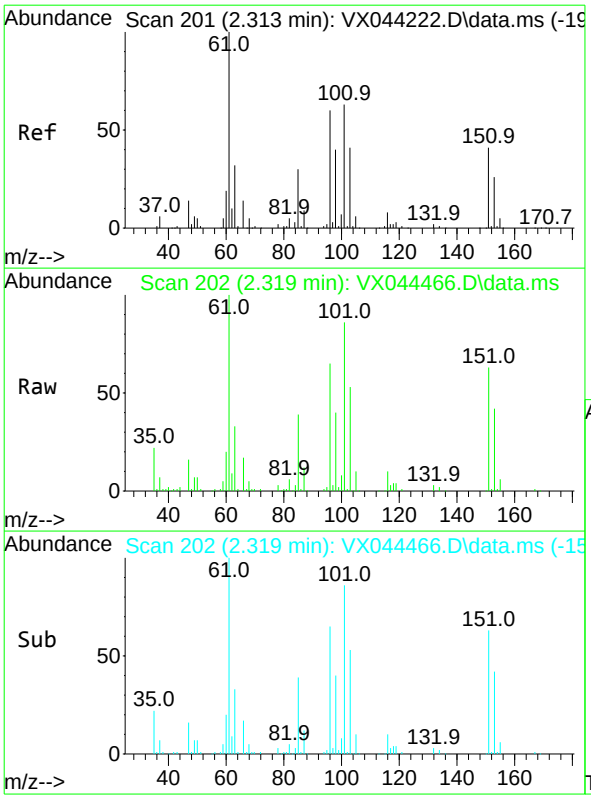



#8
Diethyl Ether
Concen: 37.795 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 74 Resp: 38233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.4 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.311 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

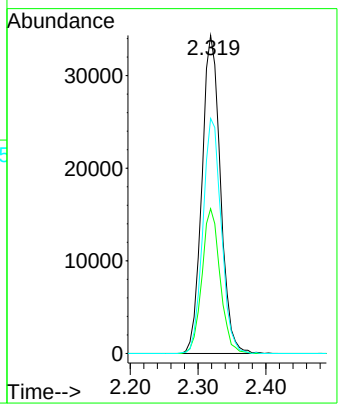
Tgt Ion:101 Resp: 65130

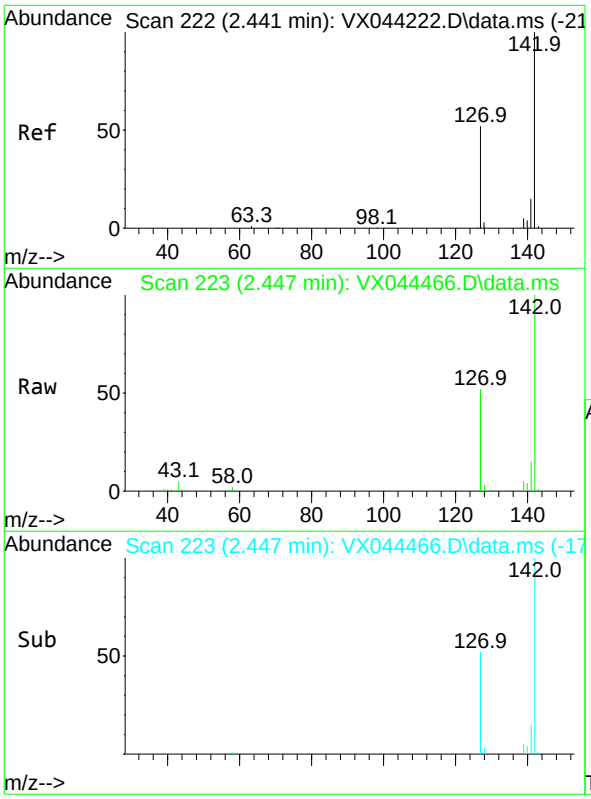
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.4 | 38.5 | 57.7 |
| 151 | 73.4 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

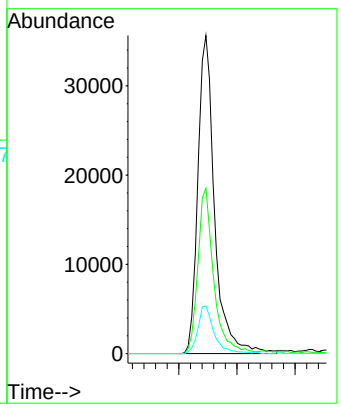


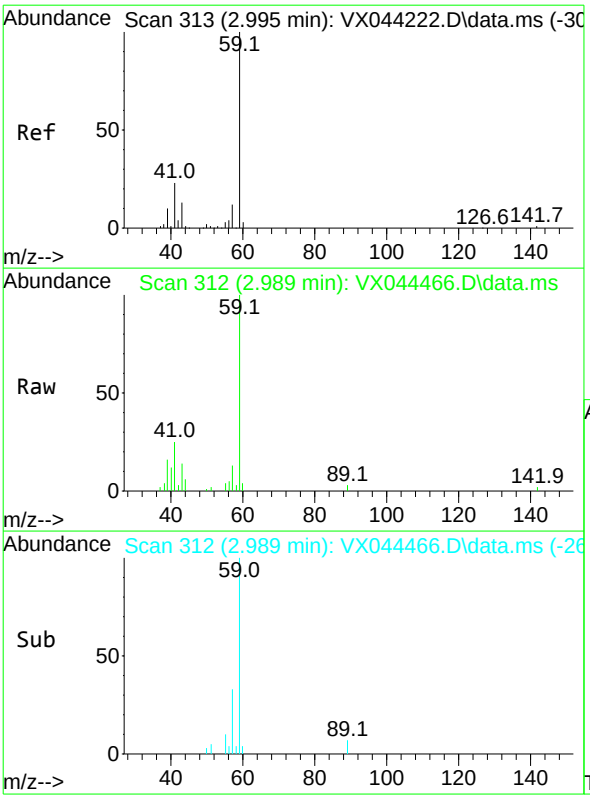




#10
Methyl Iodide
Concen: 44.919 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:142 Resp: 70995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.4 | 41.8 | 62.8 |
| 141 | 14.7 | 11.5 | 17.3 |

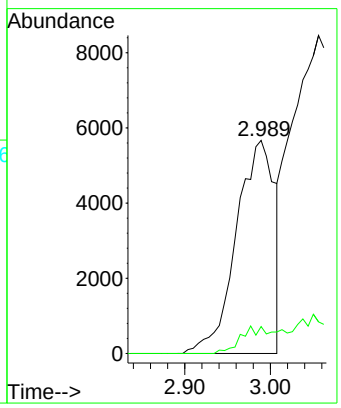





#11
Tert butyl alcohol
Concen: 72.268 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 59 Resp: 17549

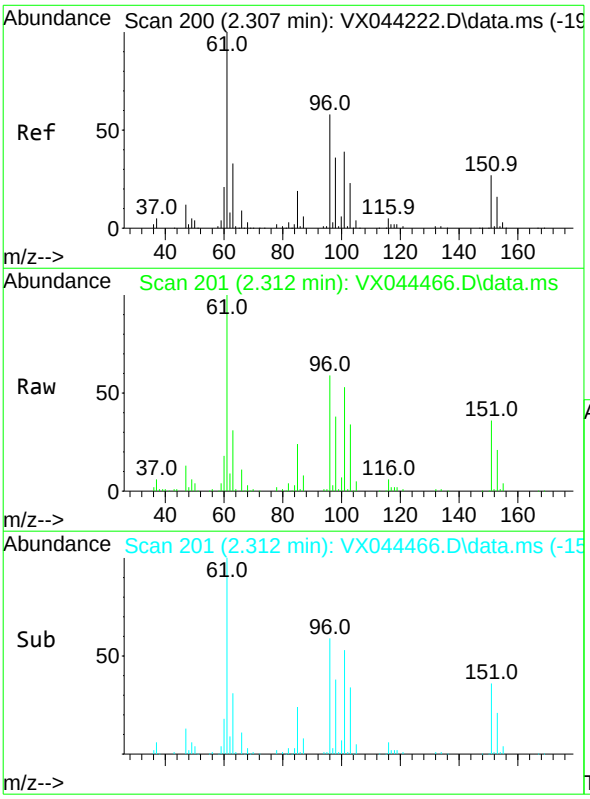
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

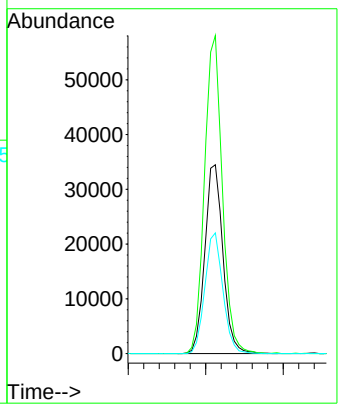
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

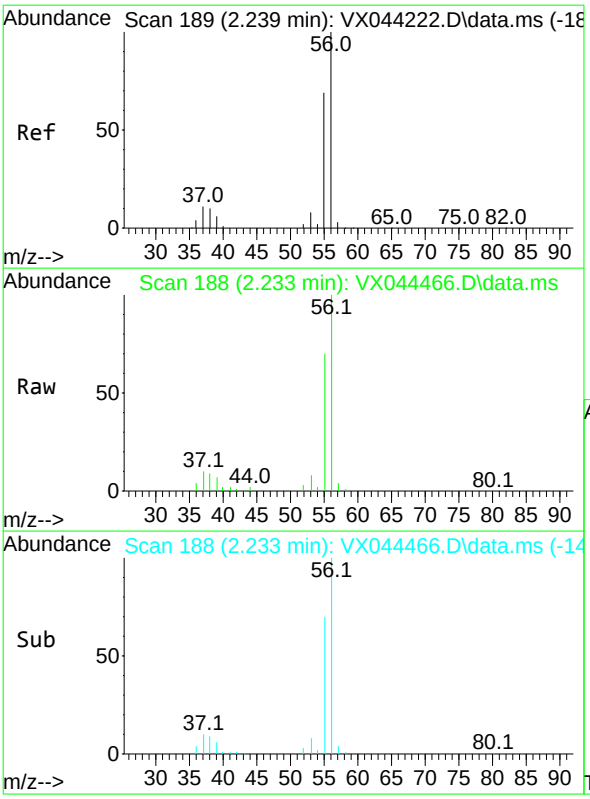



#12
1,1-Dichloroethene
Concen: 50.798 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 96 Resp: 55954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.4 | 138.0 | 207.0 |
| 98 | 63.9 | 50.0 | 75.0 |

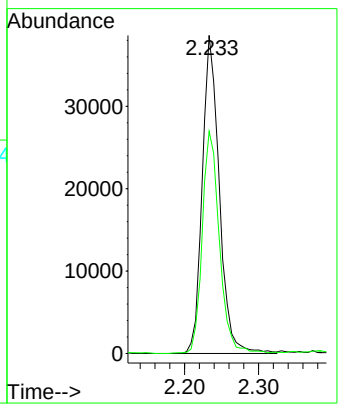





#13
Acrolein
Concen: 175.615 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 56 Resp: 61730

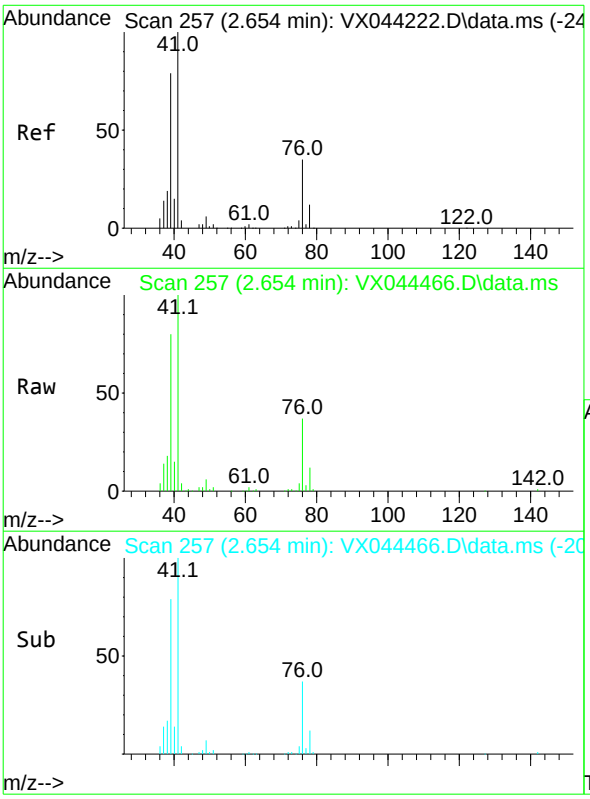
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

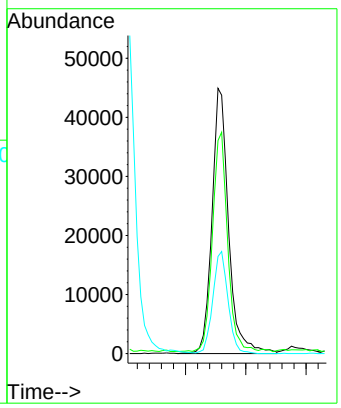
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

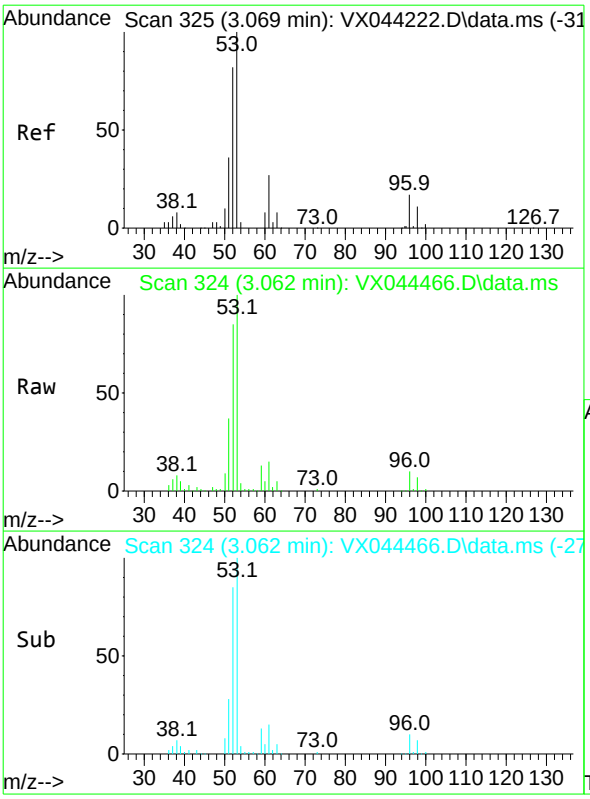



#14
Allyl chloride
Concen: 46.857 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 41 Resp: 85968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.3 | 61.9 | 92.9 |
| 76 | 35.2 | 27.4 | 41.2 |

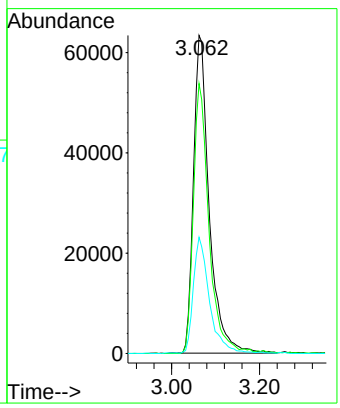





#15
Acrylonitrile
Concen: 234.398 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 53 Resp: 157669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 67.4 | 101.0 |
| 51 | 36.8 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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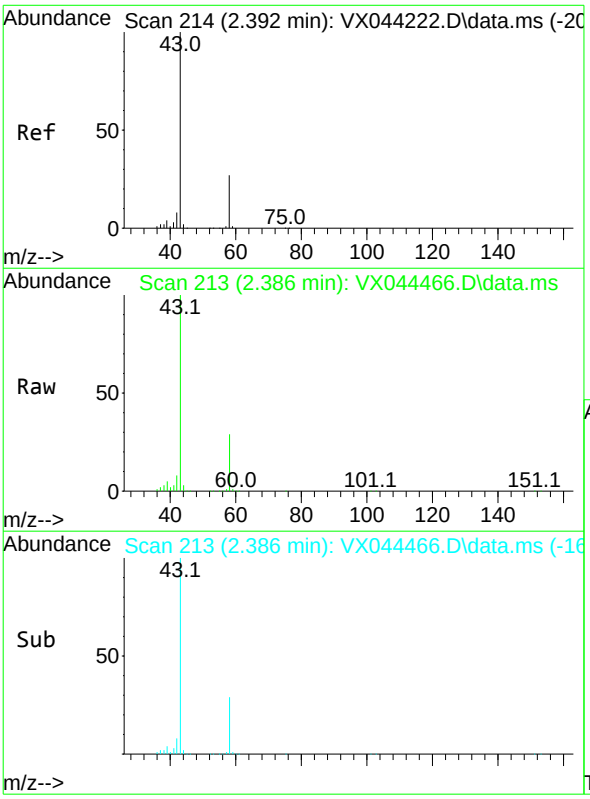
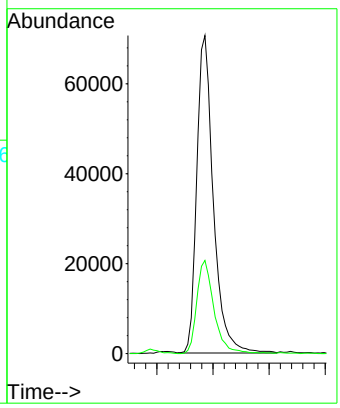
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

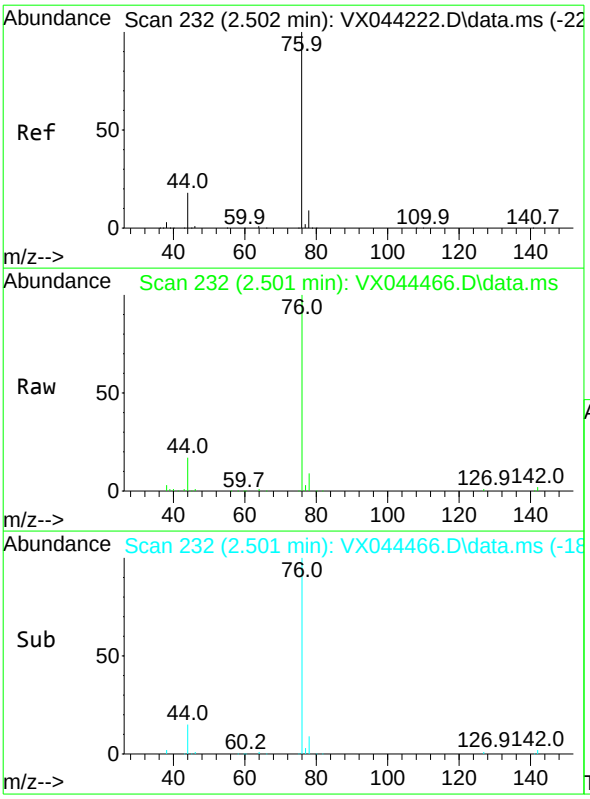



#16
Acetone
Concen: 206.174 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 144825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 21.6 | 32.4 |

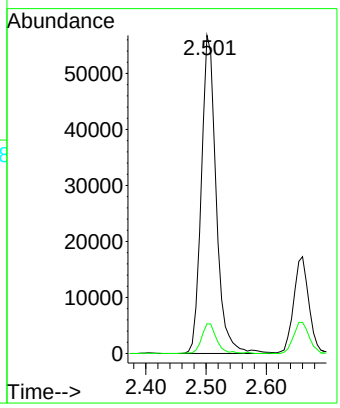





#17
Carbon Disulfide
Concen: 46.493 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 76 Resp: 97346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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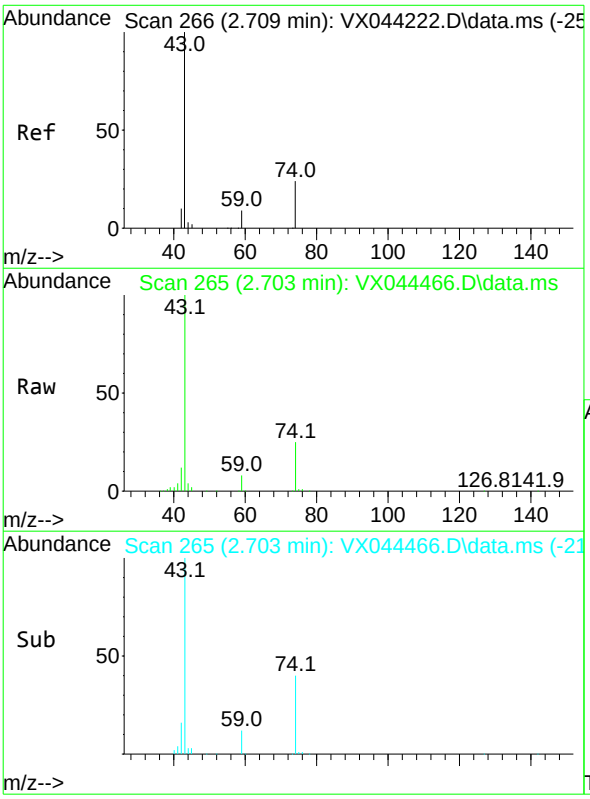
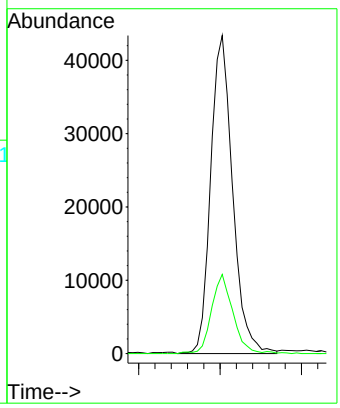
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

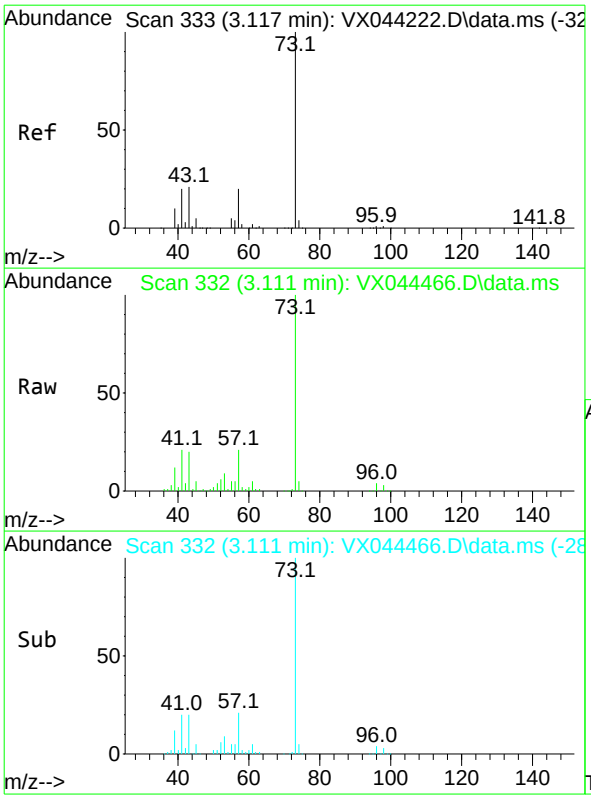



#18
Methyl Acetate
Concen: 44.867 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 81261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.4 | 17.7 | 26.5 |

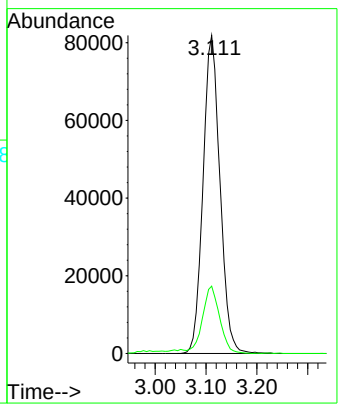





#19
Methyl tert-butyl Ether
Concen: 44.056 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 73 Resp: 189369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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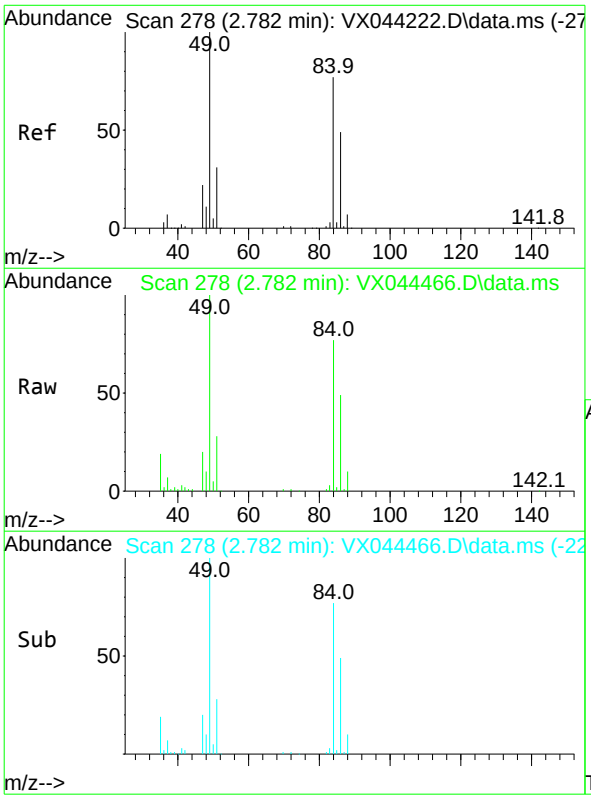
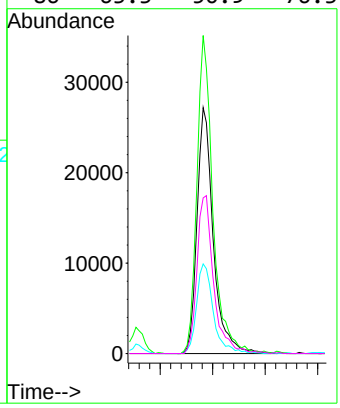
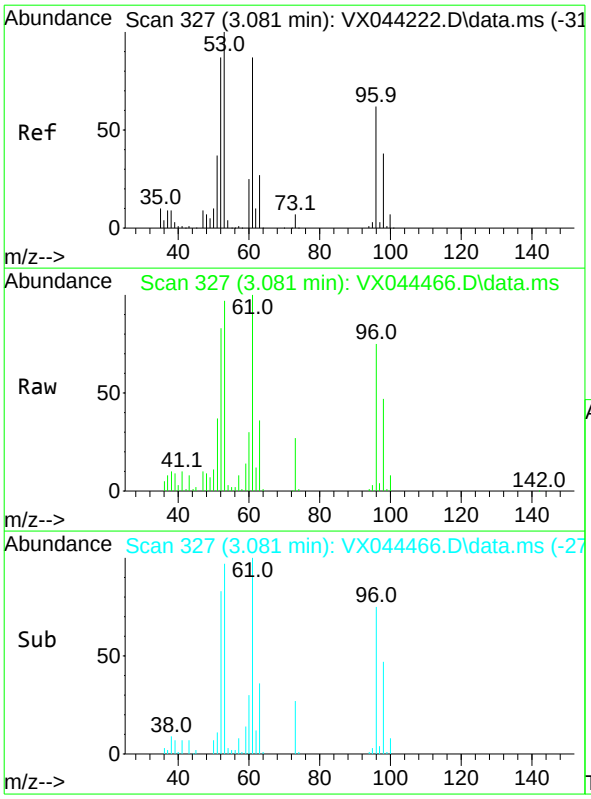



#20
Methylene Chloride
Concen: 44.299 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 84 Resp: 58446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.3 | 104.2 | 156.4 |
| 51 | 36.5 | 32.2 | 48.4 |
| 86 | 63.3 | 50.9 | 76.3 |

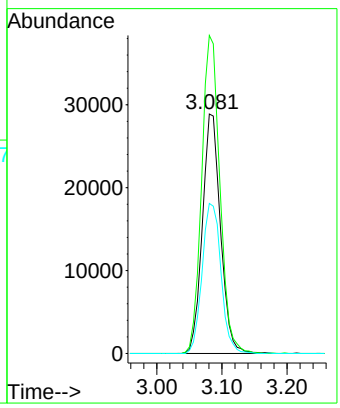





#21
trans-1,2-Dichloroethene
Concen: 47.727 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 96 Resp: 55872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 132.8 | 112.0 | 168.0 |
| 98 | 62.7 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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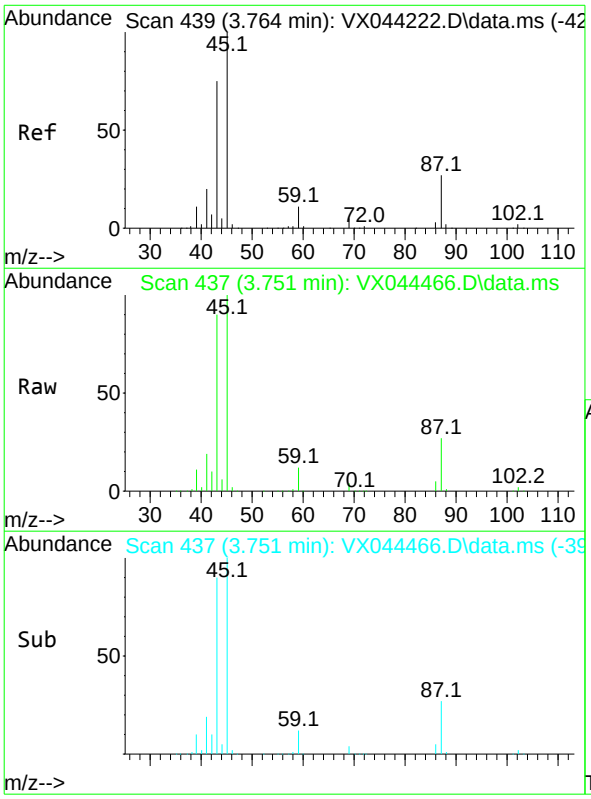
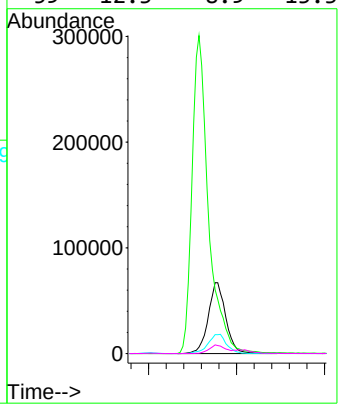
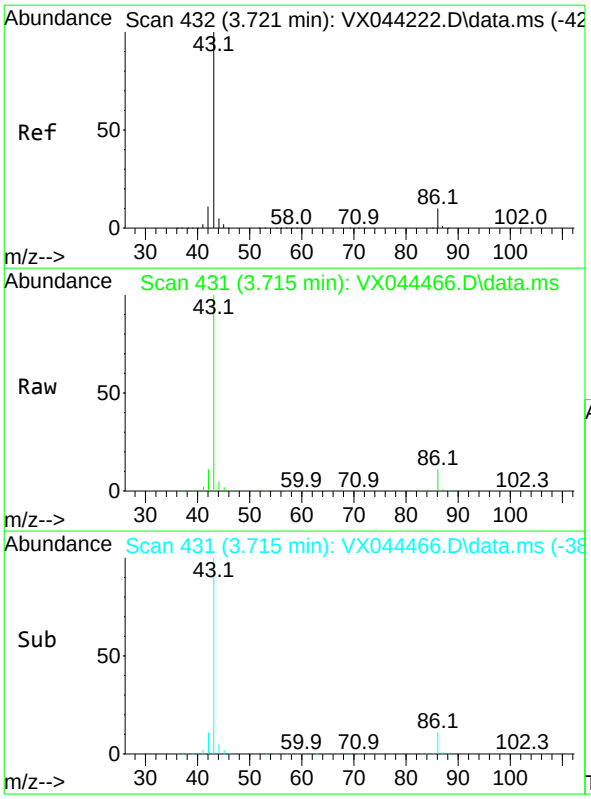



#22
Diisopropyl ether
Concen: 44.904 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.012 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 45 Resp: 185514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 89.8 | 60.2 | 90.2 |
| 87 | 26.8 | 21.2 | 31.8 |
| 59 | 12.3 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 233.215 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 783324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.2 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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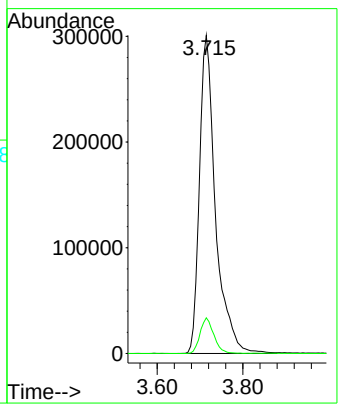
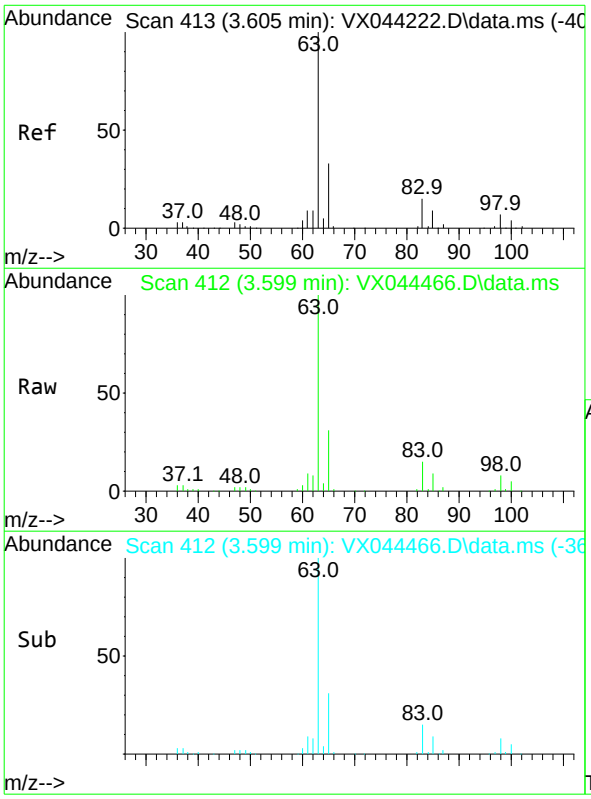
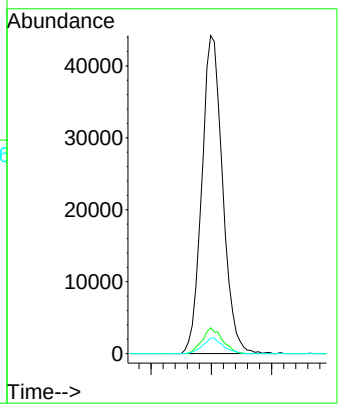


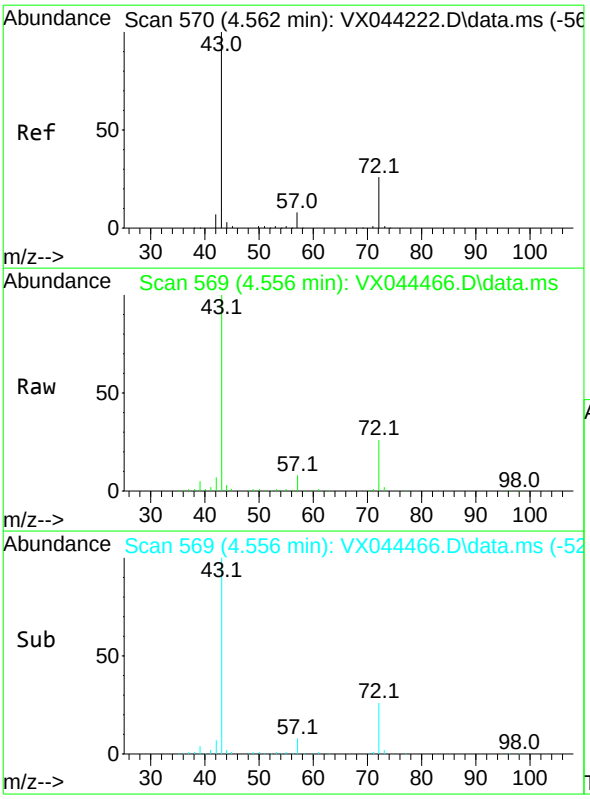




#24
1,1-Dichloroethane
Concen: 46.032 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 63 Resp: 106007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.1 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |

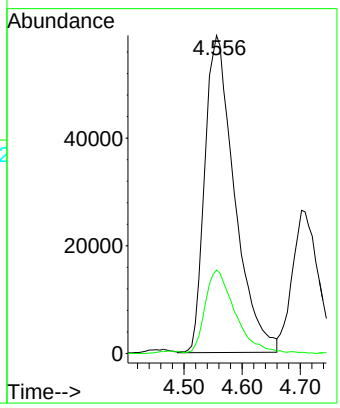





#25
2-Butanone
Concen: 209.482 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 209192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.8 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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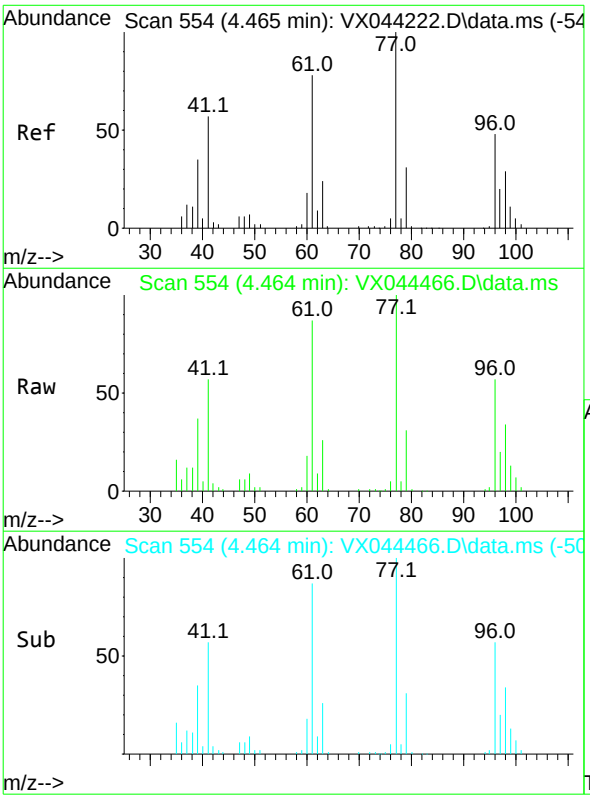
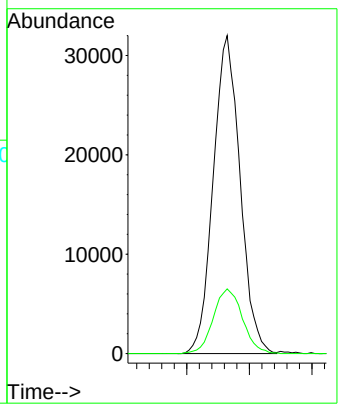
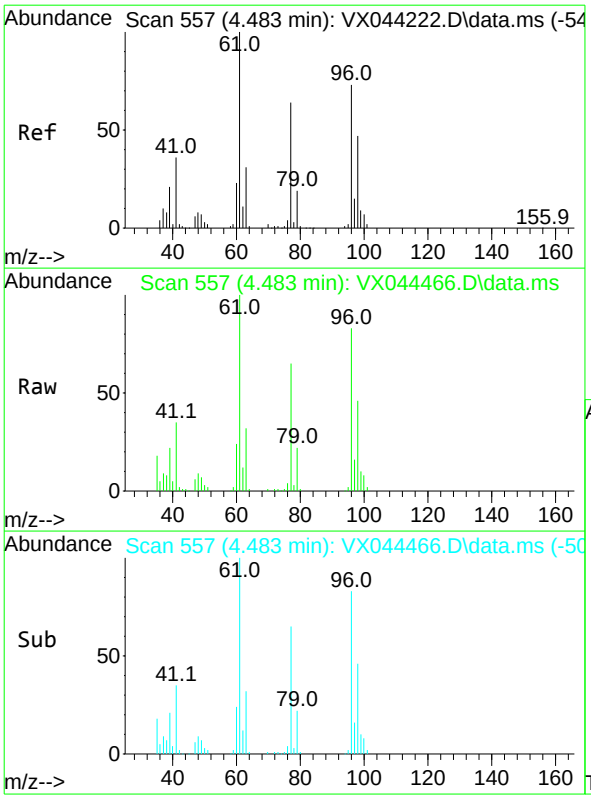



#26
2,2-Dichloropropane
Concen: 50.896 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 77 Resp: 95219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 10.7 | 32.1 |

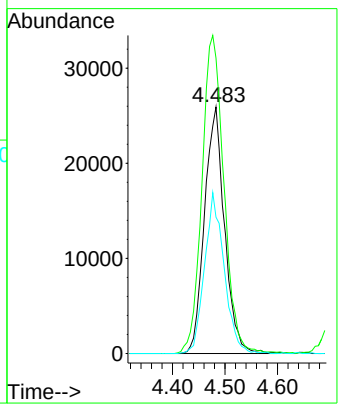





#27
cis-1,2-Dichloroethene
Concen: 46.309 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 96 Resp: 68850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.1 | 0.0 | 299.0 |
| 98 | 63.7 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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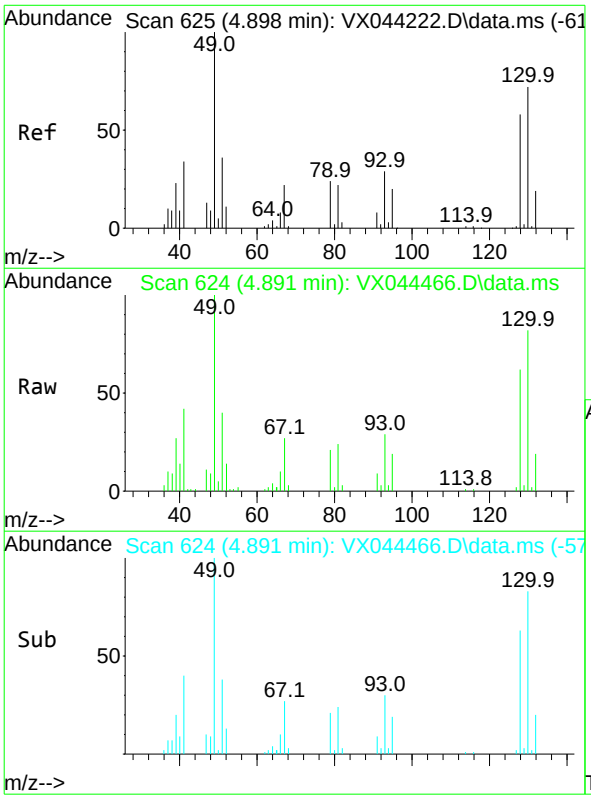
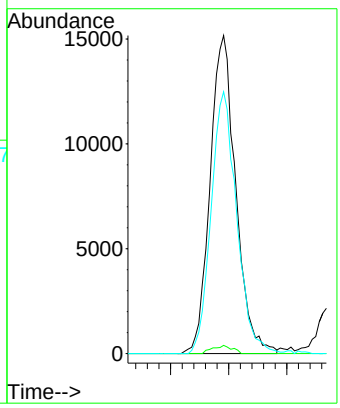
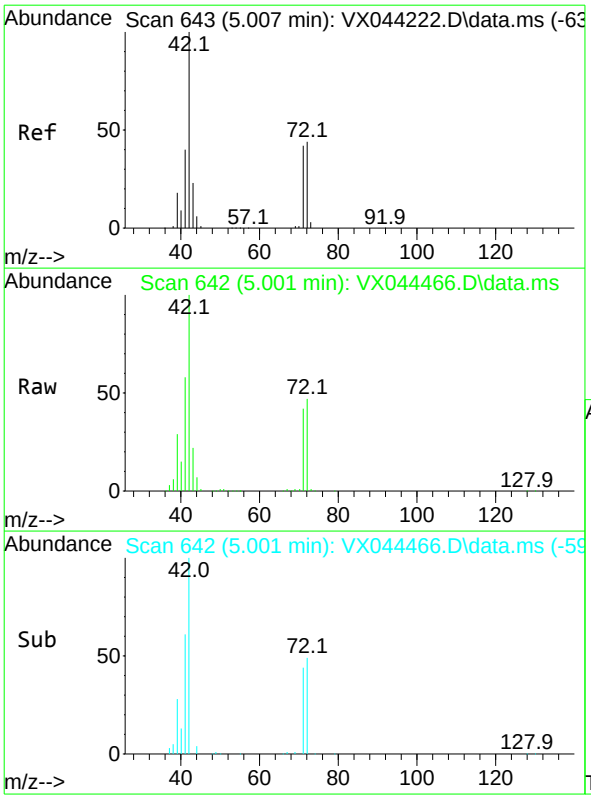



#28
Bromochloromethane
Concen: 41.140 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 49 Resp: 46458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.2 |
| 130 | 82.1 | 62.1 | 93.1 |

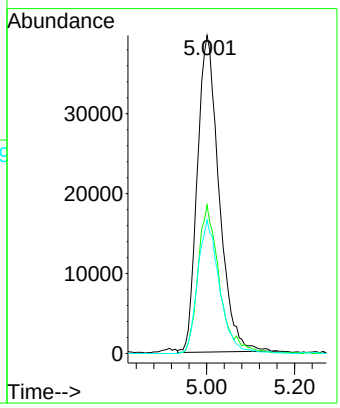





#29
Tetrahydrofuran
Concen: 211.723 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 42 Resp: 135710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.3 | 37.0 | 55.6 |
| 71 | 42.3 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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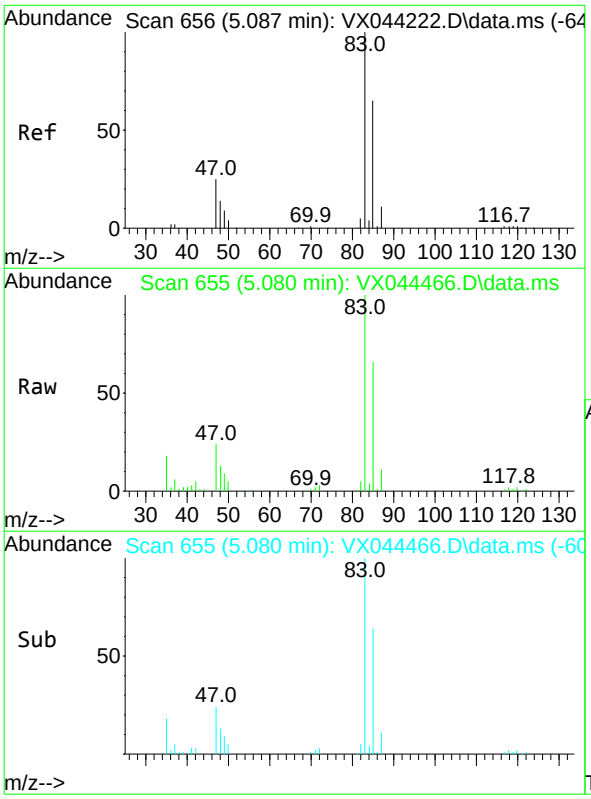
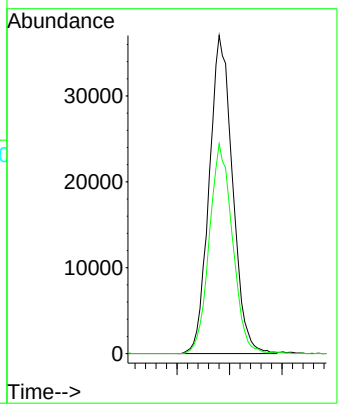
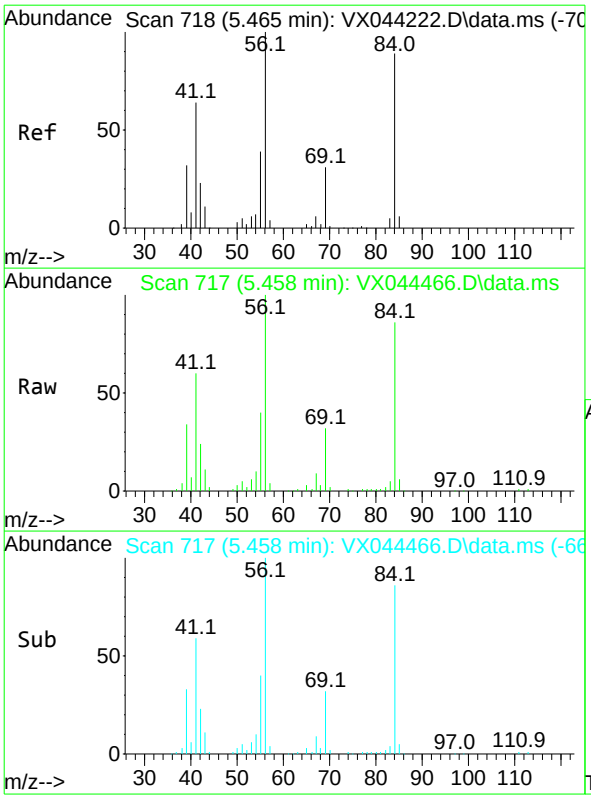



#30
Chloroform
Concen: 44.231 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 83 Resp: 114443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 50.934 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 56 Resp: 94719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.7 | 24.7 | 37.1 |
| 84 | 84.1 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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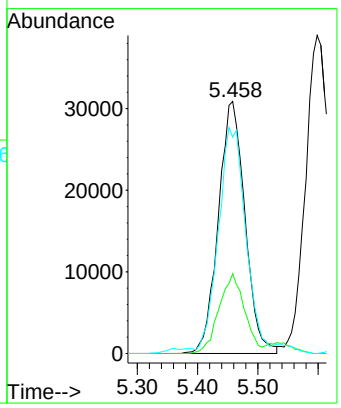
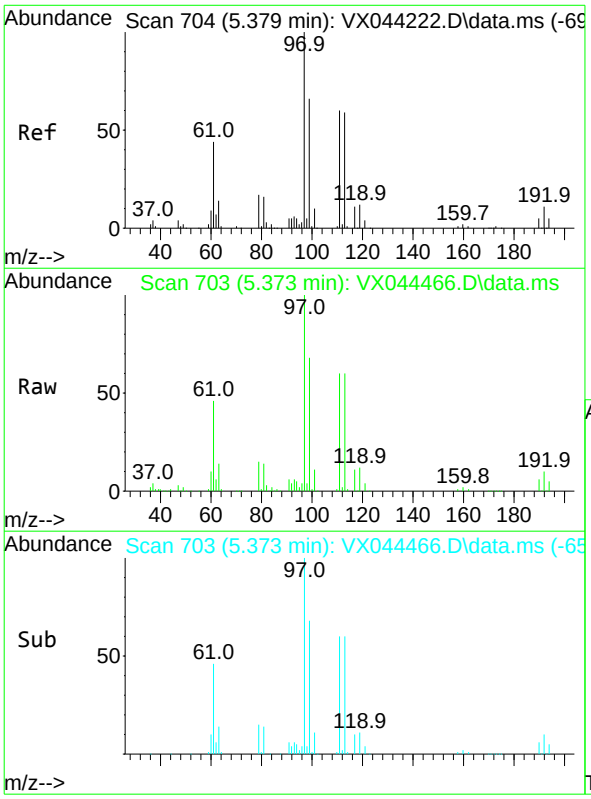
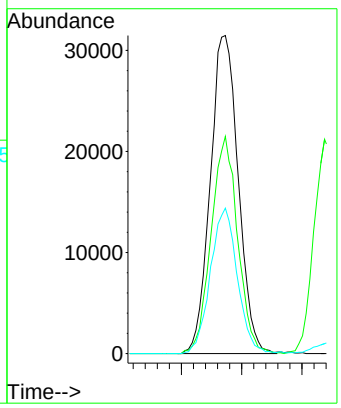


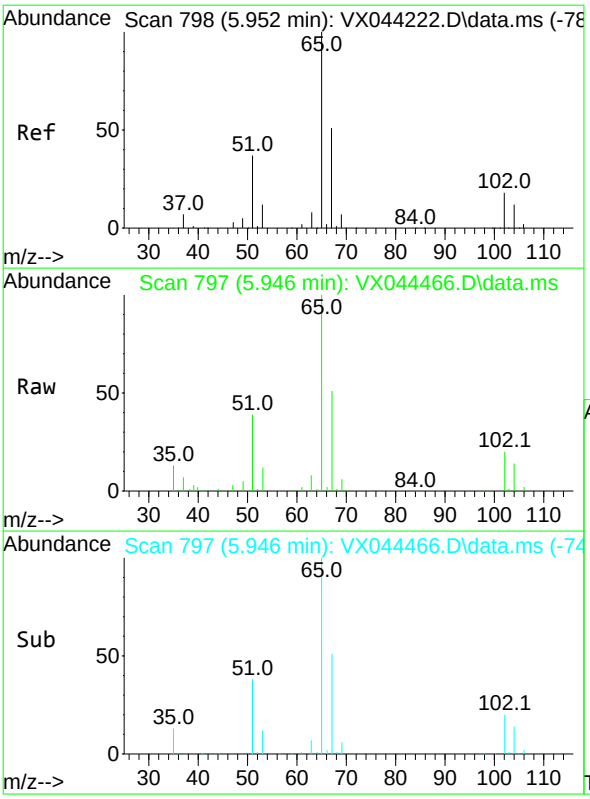




#32
1,1,1-Trichloroethane
Concen: 47.248 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 97 Resp: 101477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 50.8 | 76.2 |
| 61 | 44.1 | 35.2 | 52.8 |

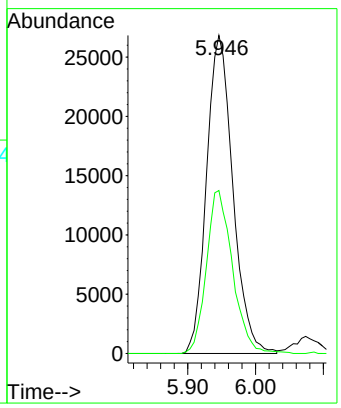





#33
1,2-Dichloroethane-d4
Concen: 41.918 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 65 Resp: 72225

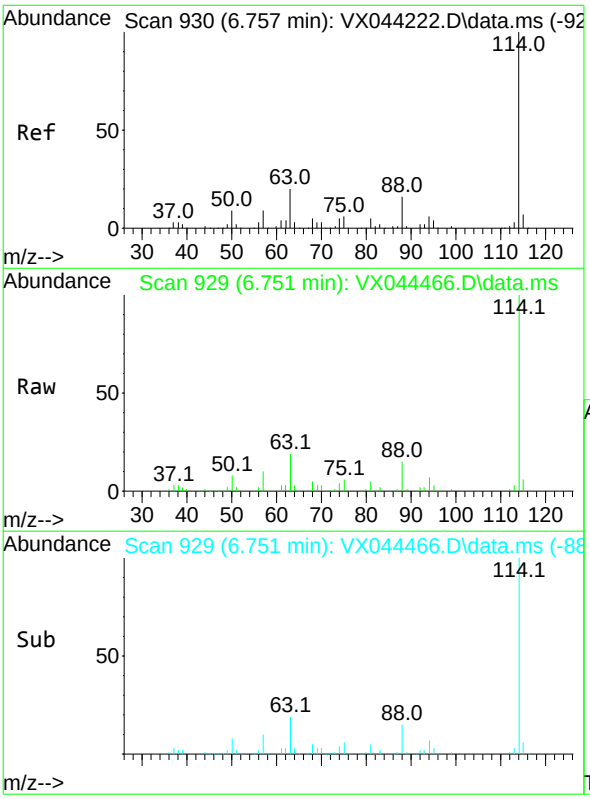
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

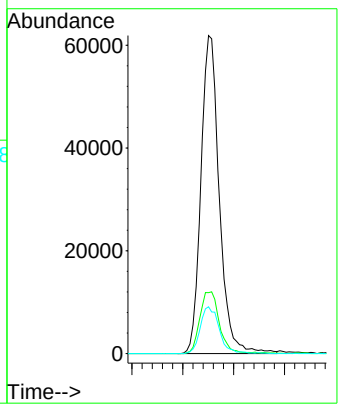
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

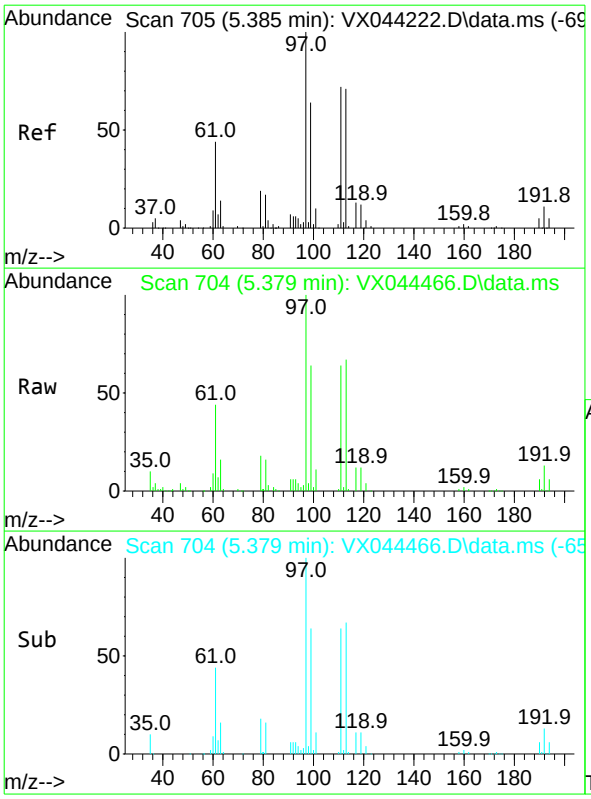



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:114 Resp: 155098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 40.6 |
| 88 | 14.7 | 0.0 | 31.8 |






#35
Dibromofluoromethane
Concen: 53.732 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

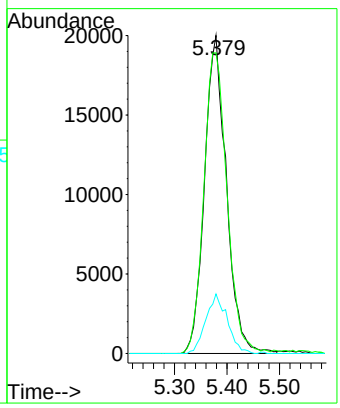
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

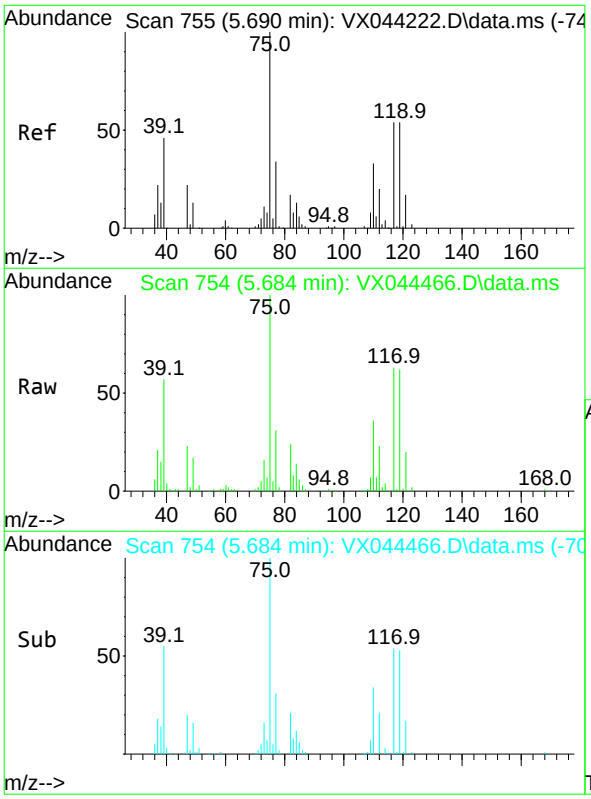
Tgt Ion:113 Resp: 57719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 80.4 | 120.6 |
| 192 | 18.4 | 13.3 | 19.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

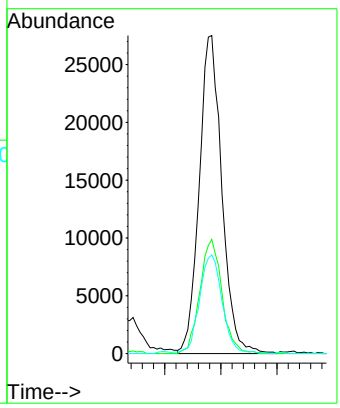


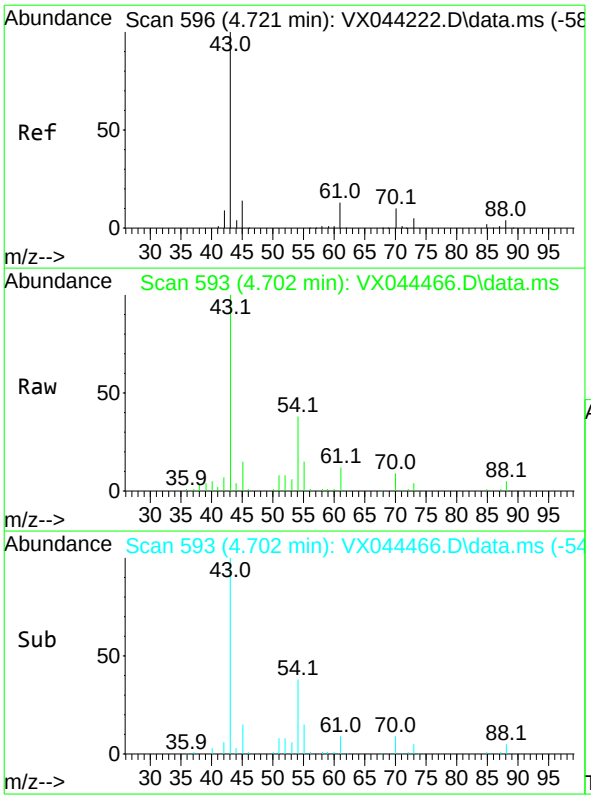




#36
1,1-Dichloropropene
Concen: 55.509 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 77076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.2 | 17.3 | 51.7 |
| 77 | 31.1 | 25.4 | 38.0 |

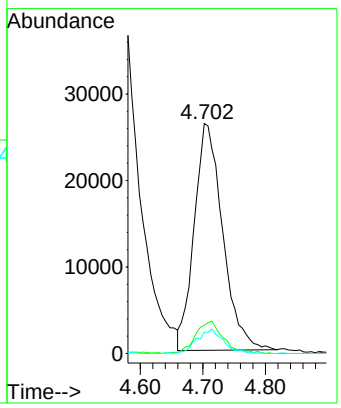





#37
Ethyl Acetate
Concen: 48.216 ug/l
RT: 4.702 min Scan# 59
Delta R.T. -0.018 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 82758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.9 | 9.8 | 14.8 |
| 70 | 9.9 | 7.7 | 11.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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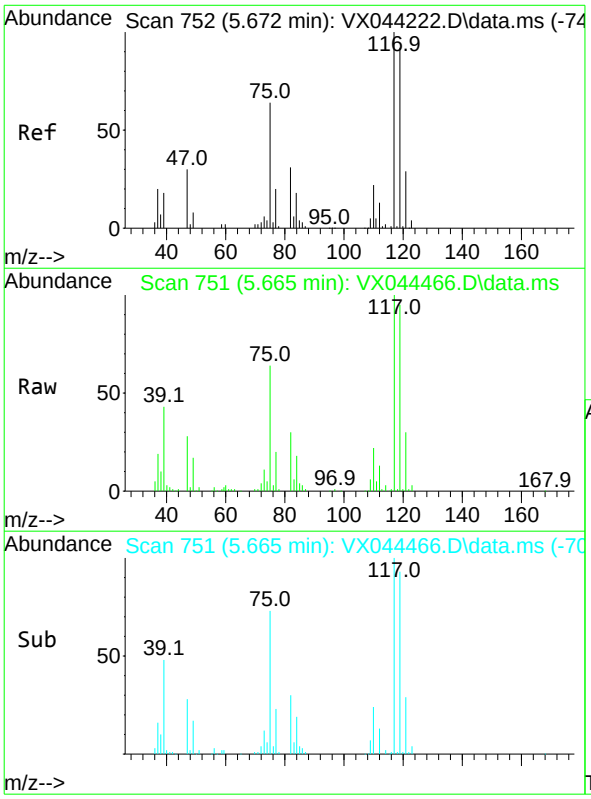
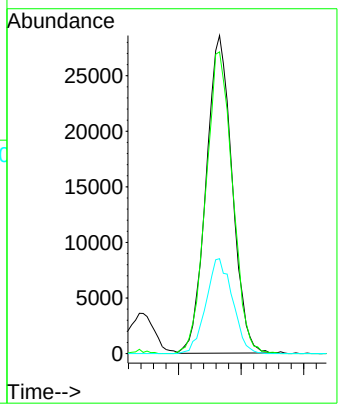
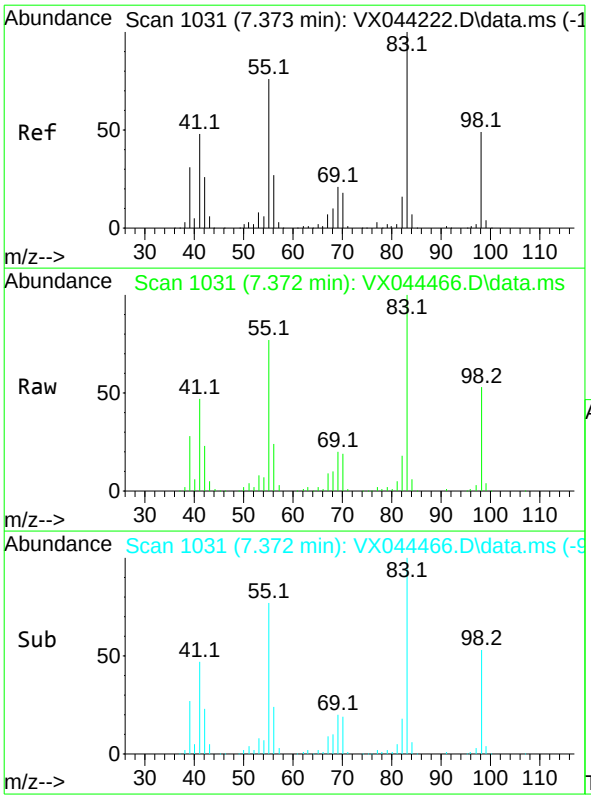



#38
Carbon Tetrachloride
Concen: 55.181 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:117 Resp: 82491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 74.2 | 111.4 |
| 121 | 29.9 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 61.418 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 83 Resp: 101951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.8 | 60.7 | 91.1 |
| 98 | 53.4 | 38.9 | 58.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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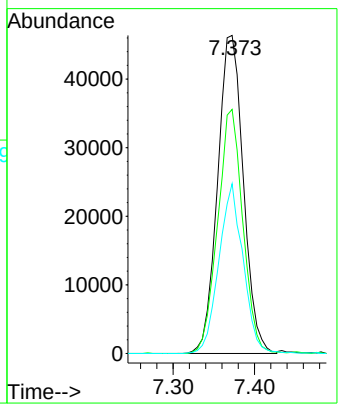
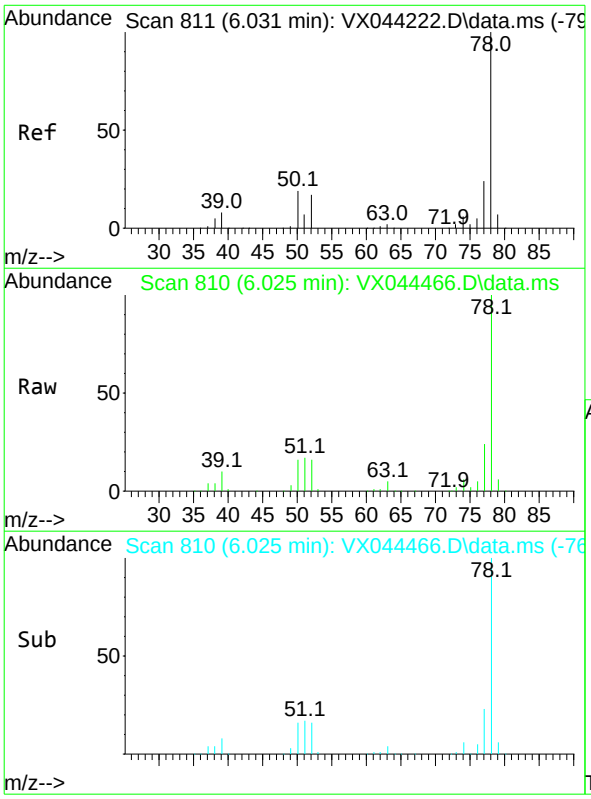
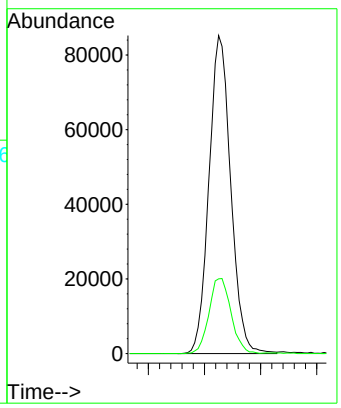


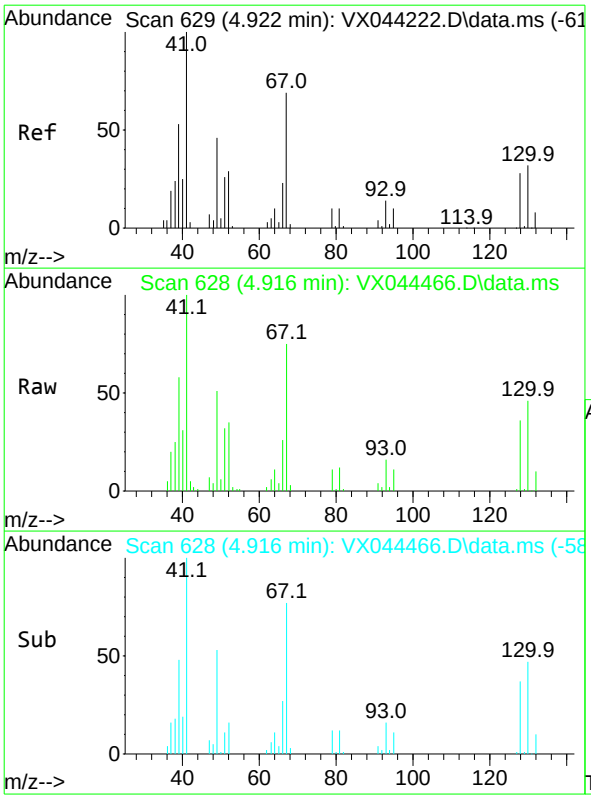




#40
Benzene
Concen: 54.397 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 78 Resp: 229329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |






#41
Methacrylonitrile
Concen: 47.172 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

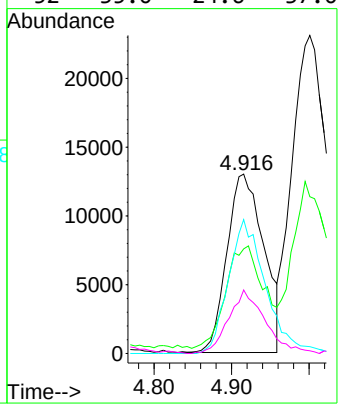
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

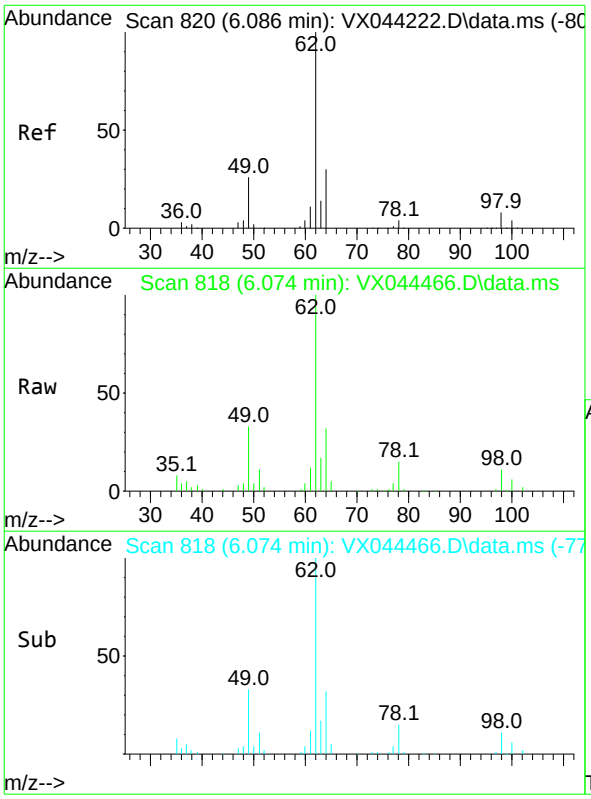
Tgt Ion: 41 Resp: 42994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.4 | 44.2 | 66.4 |
| 67 | 75.7 | 57.2 | 85.8 |
| 52 | 35.0 | 24.6 | 37.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

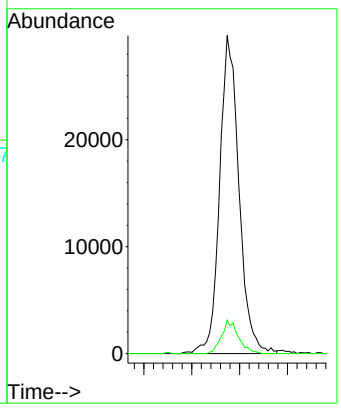


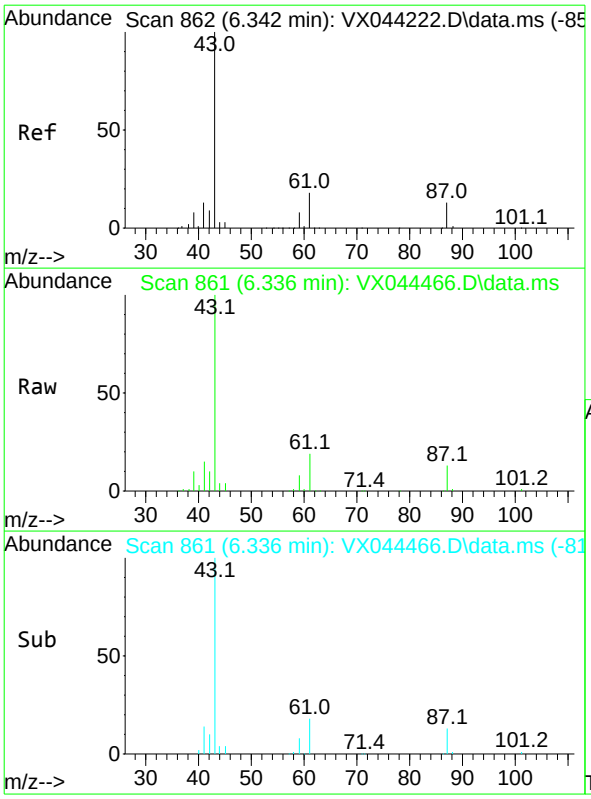




#42
1,2-Dichloroethane
Concen: 48.161 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.012 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 62 Resp: 83638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 15.8 |

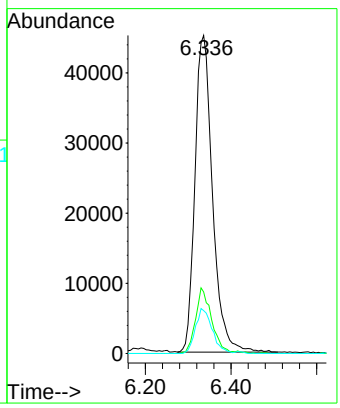





#43
Isopropyl Acetate
Concen: 47.918 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 128551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 14.2 | 21.2 |
| 87 | 13.5 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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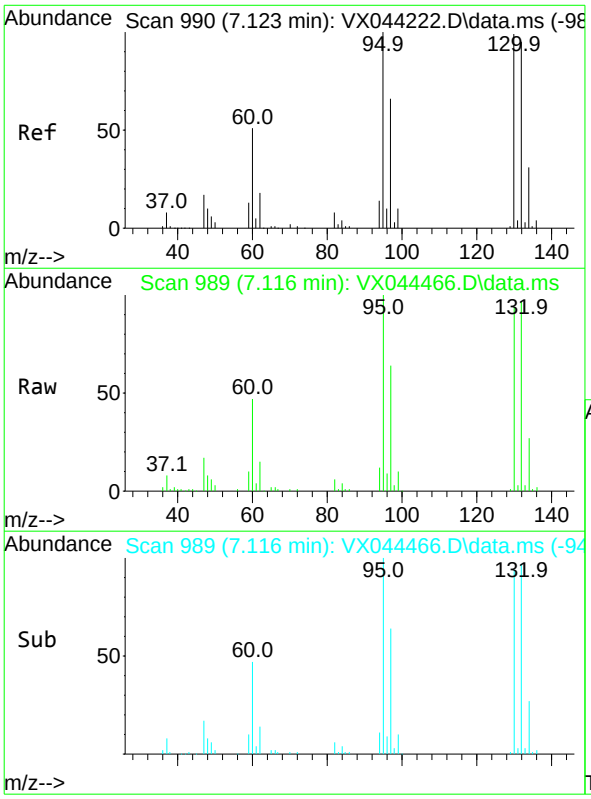
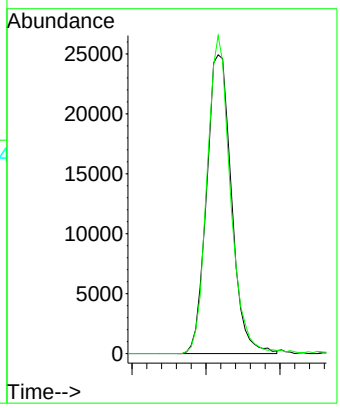
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

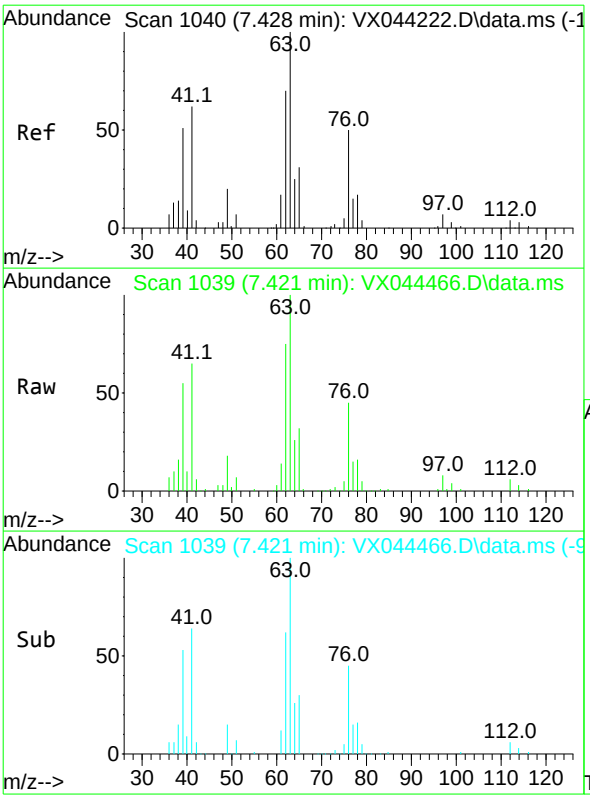



#44
Trichloroethene
Concen: 55.326 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:130 Resp: 58165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 106.5 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 52.281 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 63 Resp: 56311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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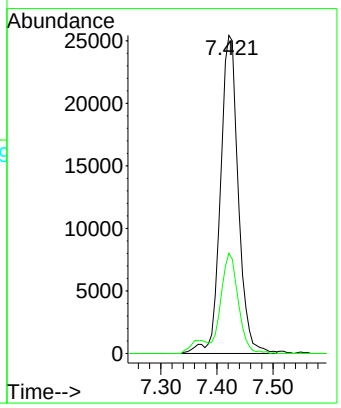
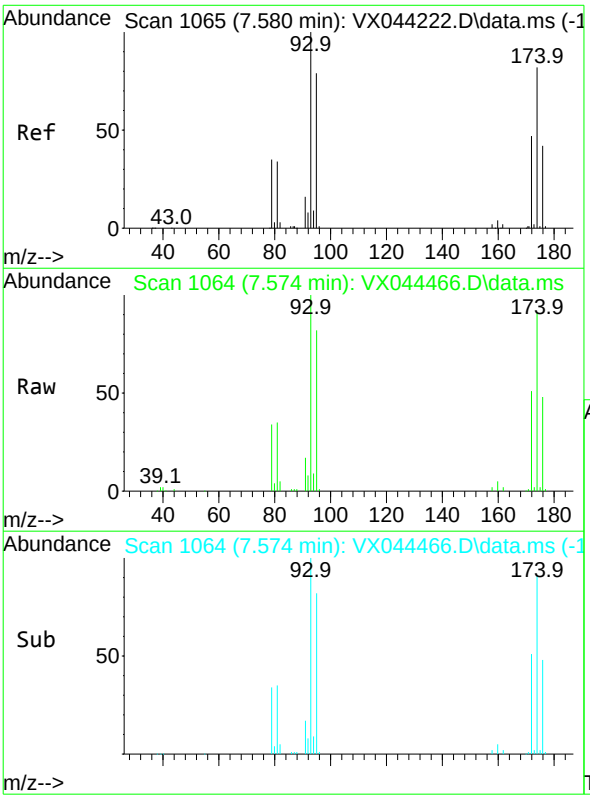
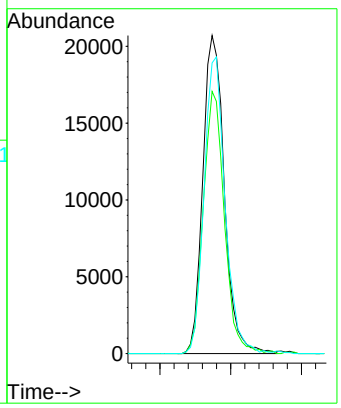


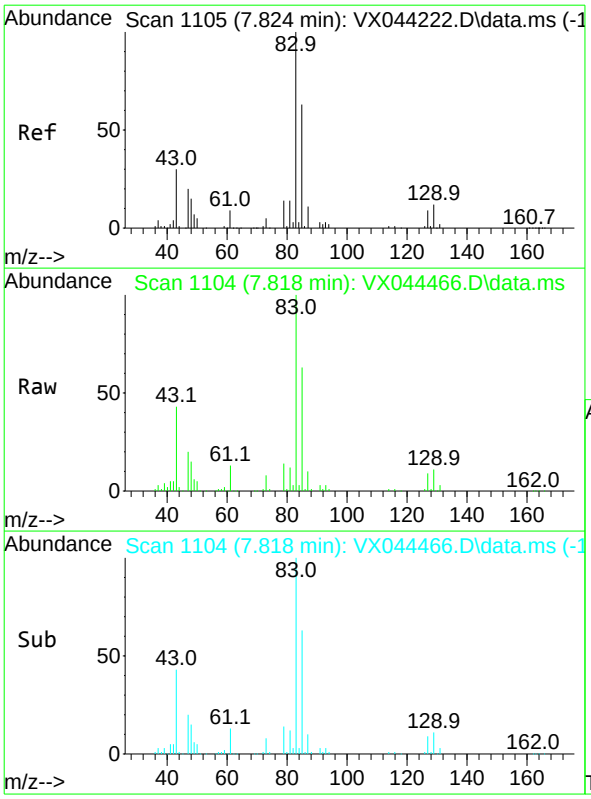




#46
Dibromomethane
Concen: 52.402 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 93 Resp: 43787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.6 | 65.4 | 98.2 |
| 174 | 91.3 | 67.9 | 101.9 |

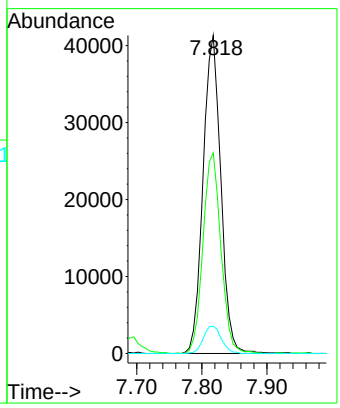





#47
Bromodichloromethane
Concen: 54.300 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 83 Resp: 78361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 50.6 | 75.8 |
| 127 | 8.6 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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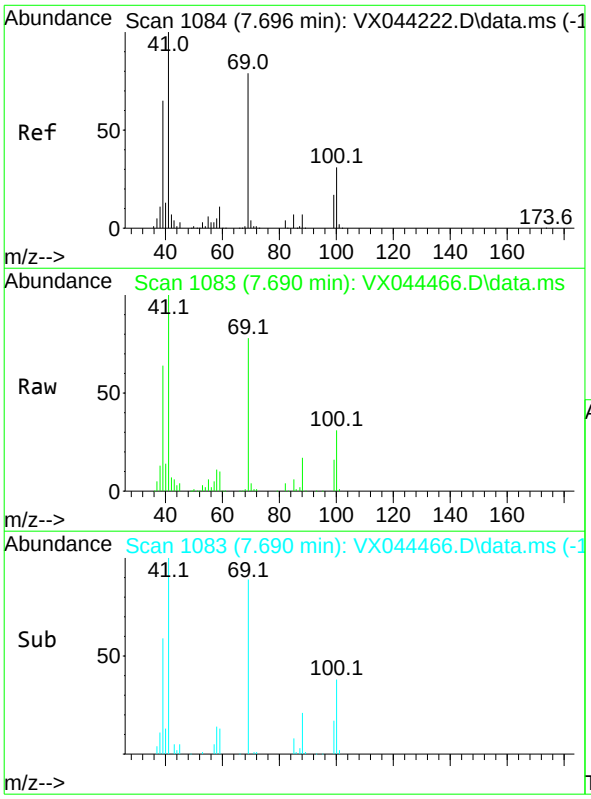
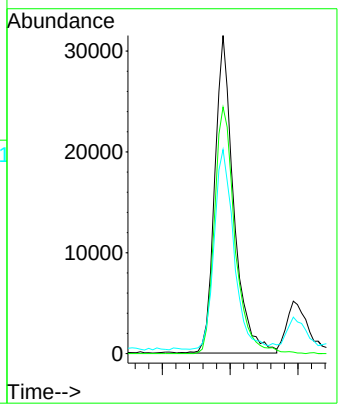
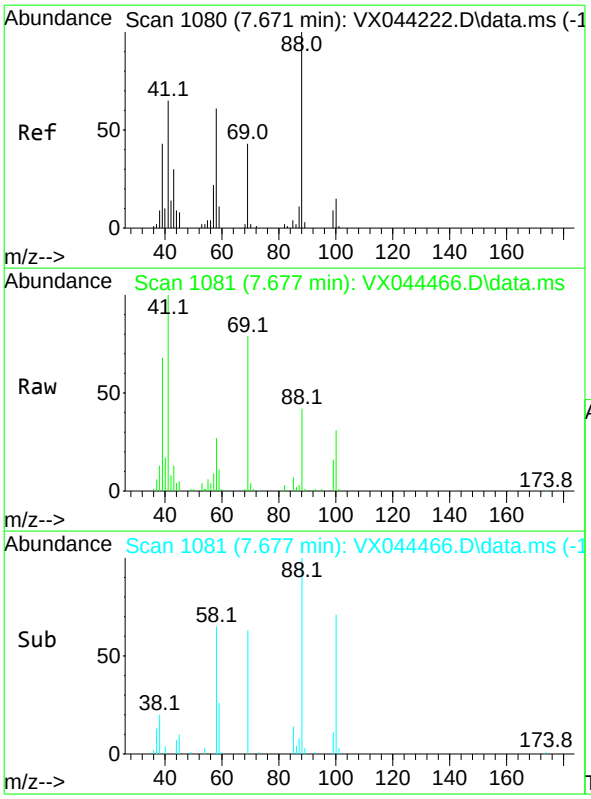



#48
Methyl methacrylate
Concen: 46.898 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 41 Resp: 61073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.9 | 62.4 | 93.6 |
| 39 | 65.2 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 1005.738 ug/l
RT: 7.677 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 88 Resp: 21715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.1 | 27.1 | 40.7 |
| 58 | 68.3 | 41.0 | 61.4# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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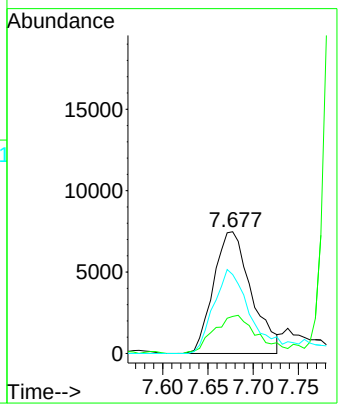
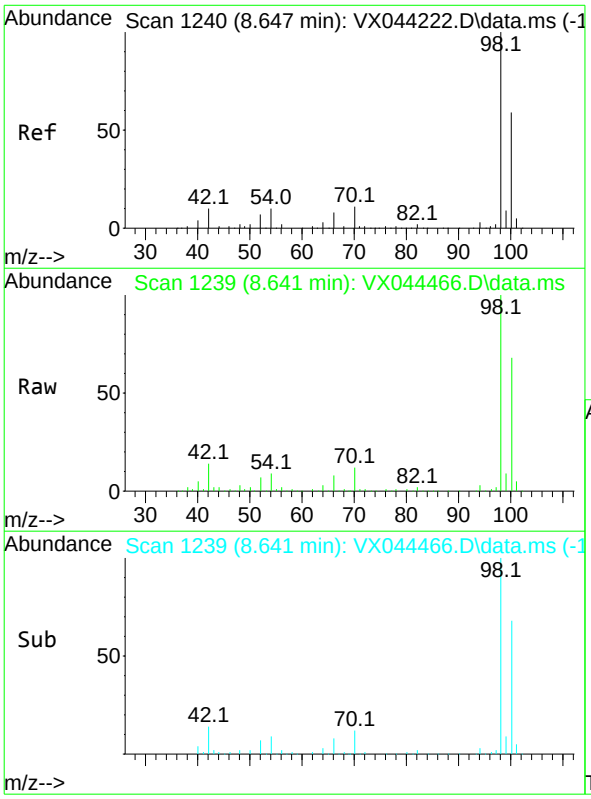
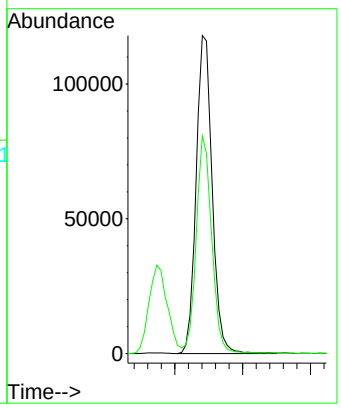


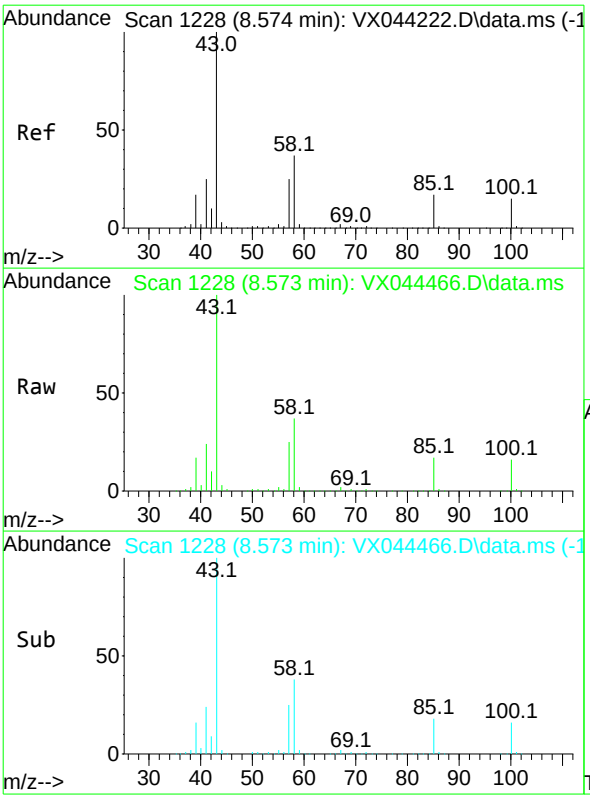




#50
Toluene-d8
Concen: 53.468 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 98 Resp: 193768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 51.5 | 77.3 |

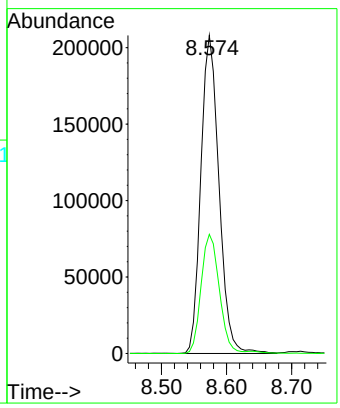





#51
4-Methyl-2-Pentanone
Concen: 233.216 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 402283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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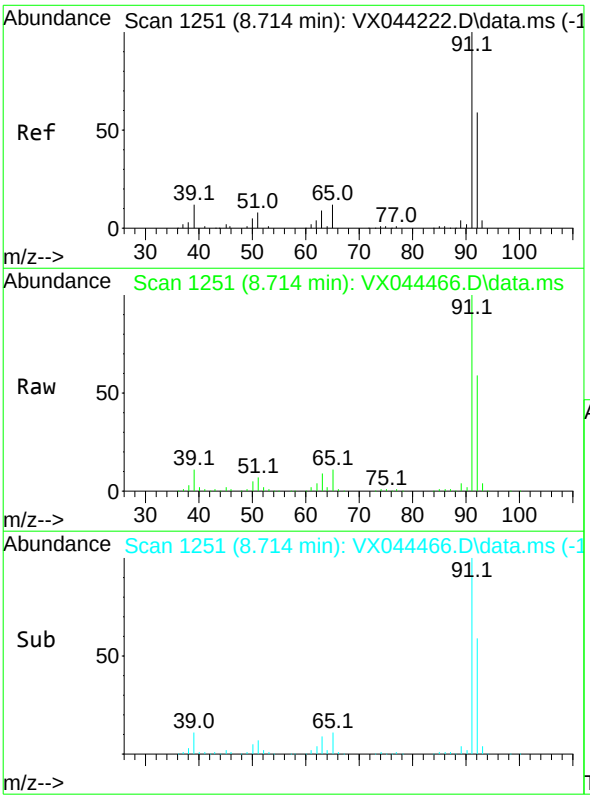
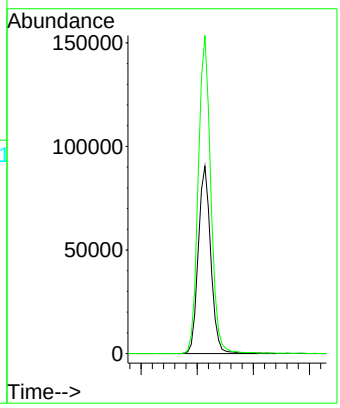
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

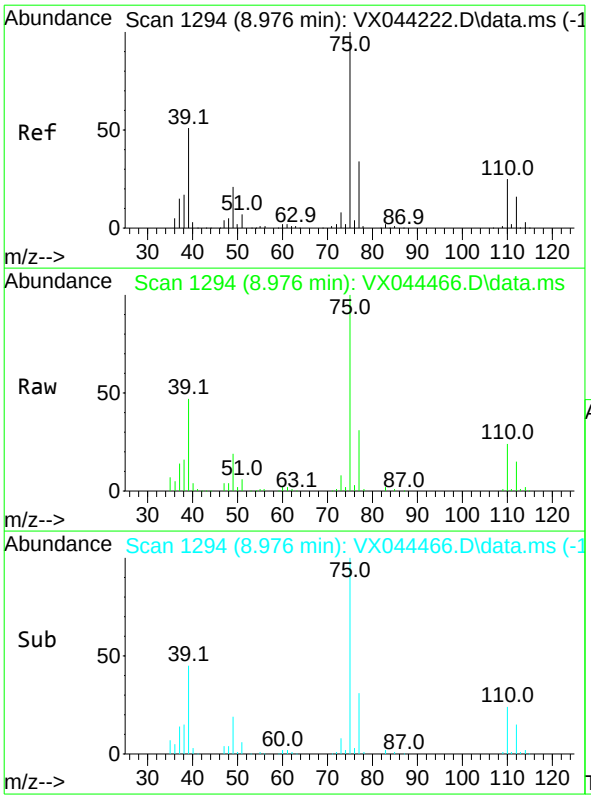



#52
Toluene
Concen: 52.949 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 92 Resp: 140179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.0 | 137.0 | 205.6 |

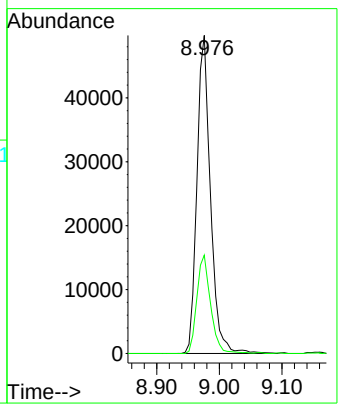





#53
t-1,3-Dichloropropene
Concen: 48.256 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 74563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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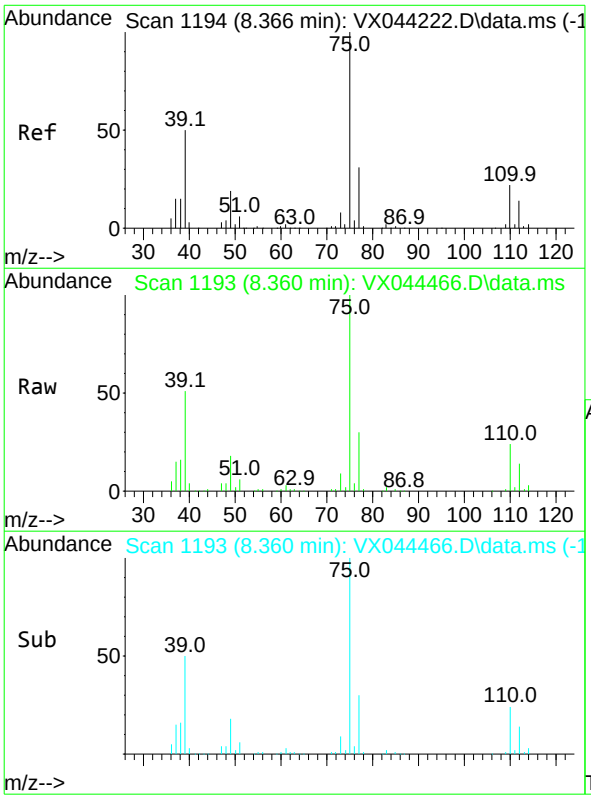
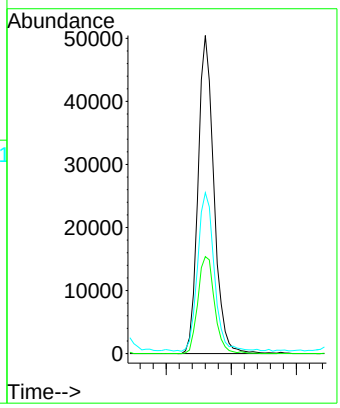
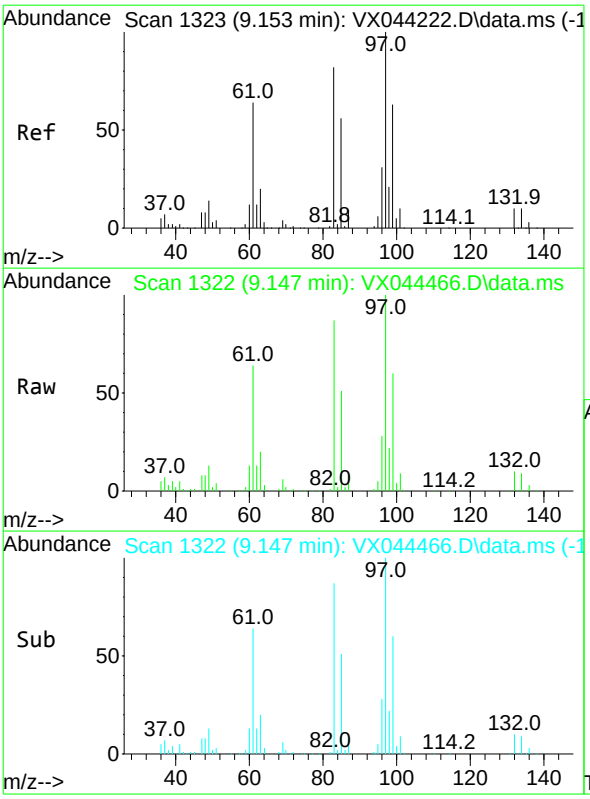



#54
cis-1,3-Dichloropropene
Concen: 54.358 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 85414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 24.7 | 37.1 |
| 39 | 49.6 | 40.3 | 60.5 |

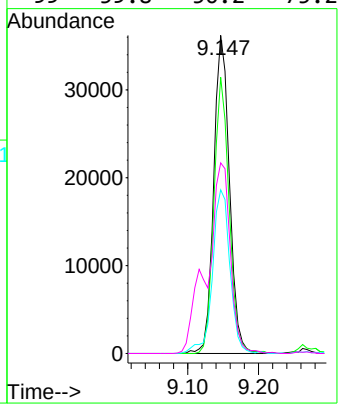





#55
1,1,2-Trichloroethane
Concen: 53.264 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 97 Resp: 56021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.8 | 65.3 | 97.9 |
| 85 | 51.4 | 44.6 | 67.0 |
| 99 | 59.8 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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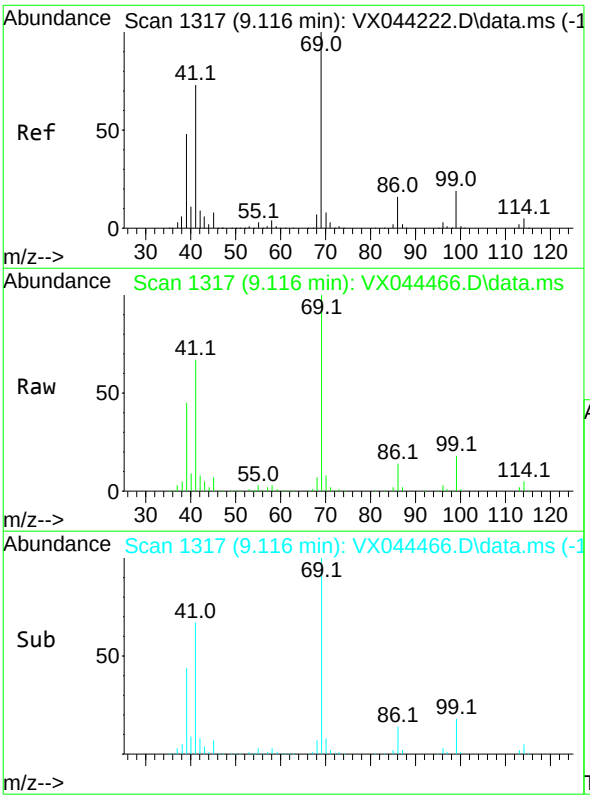
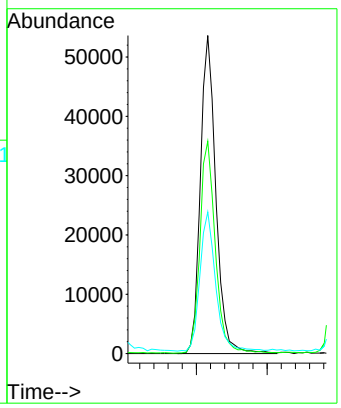
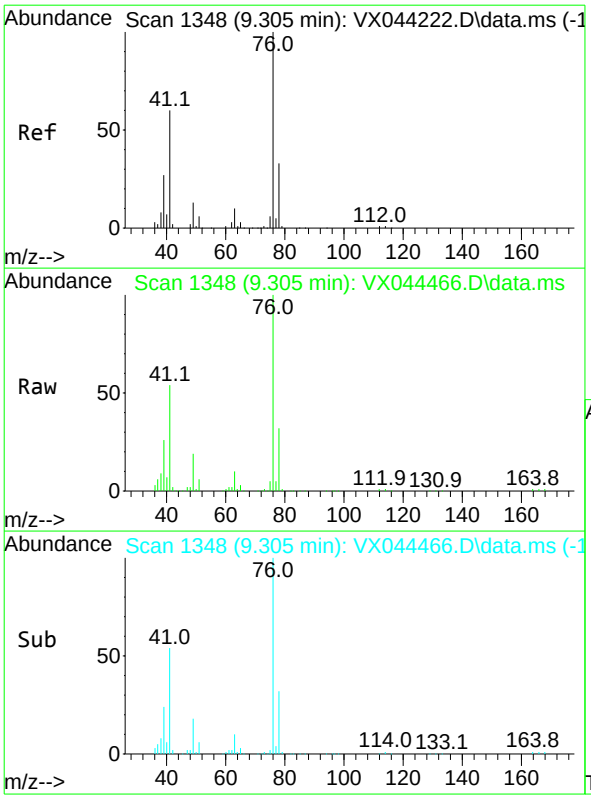



#56
Ethyl methacrylate
Concen: 49.194 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 69 Resp: 81680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 66.3 | 56.6 | 85.0 |
| 39 | 44.3 | 37.4 | 56.0 |






#57
1,3-Dichloropropane
Concen: 51.667 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 76 Resp: 94586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.5 | 39.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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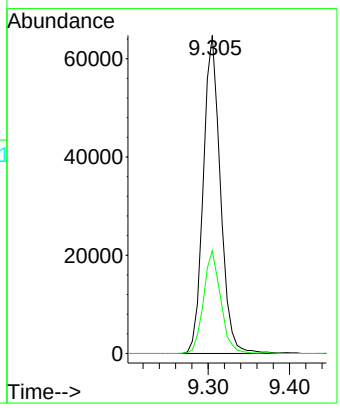
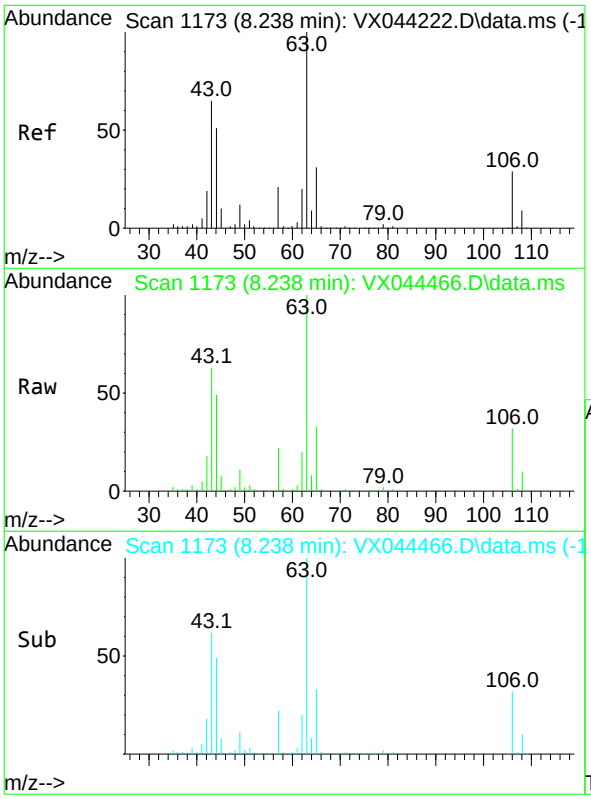
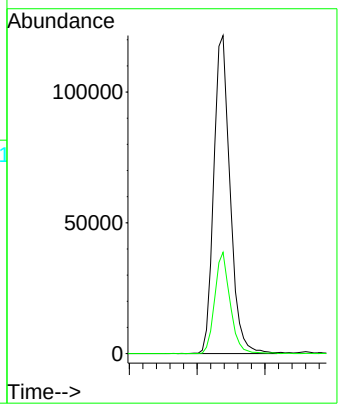


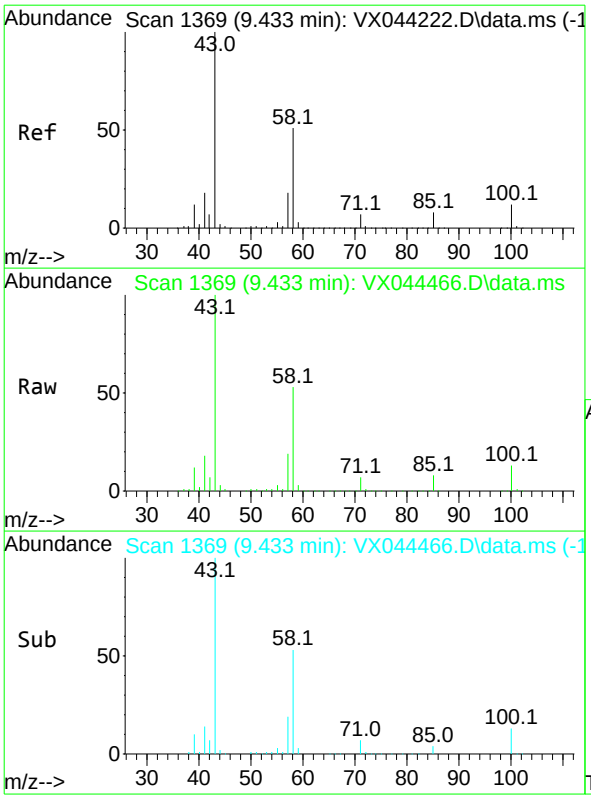




#58
2-Chloroethyl Vinyl ether
Concen: 242.753 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 63 Resp: 203293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.0 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 233.464 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 291491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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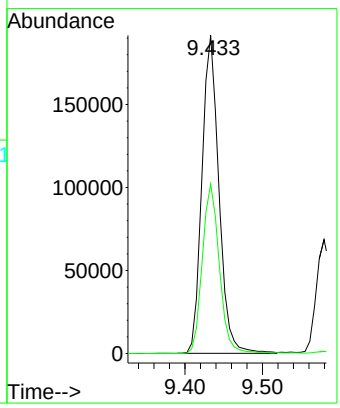
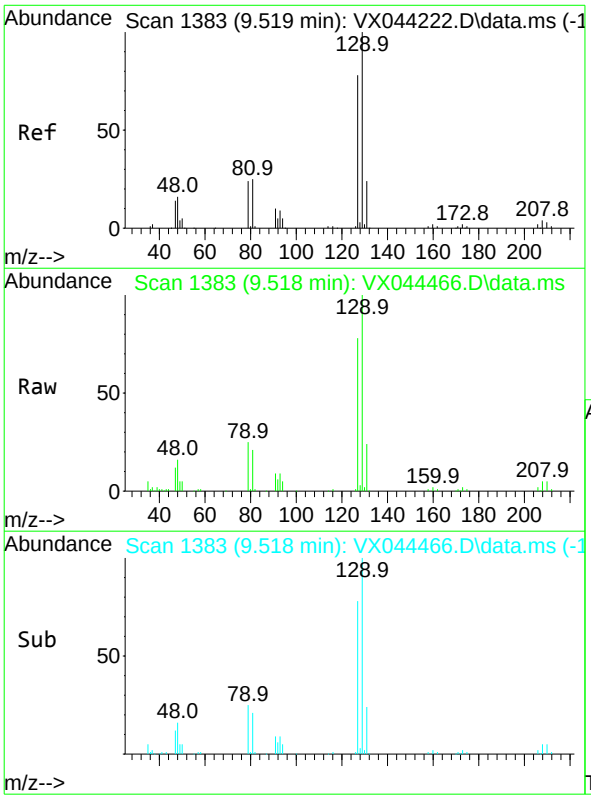
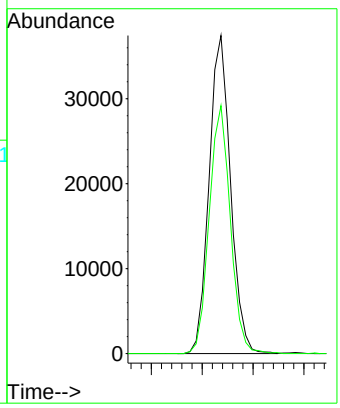


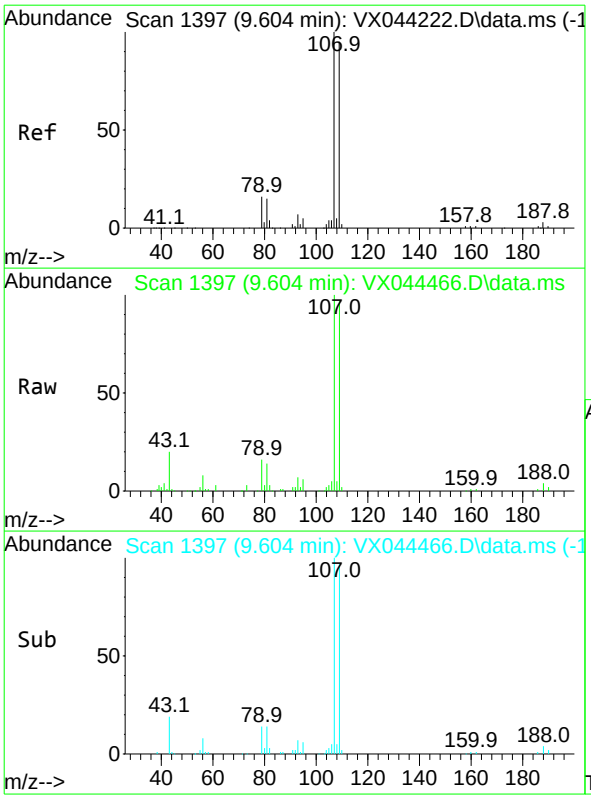




#60
Dibromochloromethane
Concen: 49.335 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:129 Resp: 54898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.5 | 115.3 |

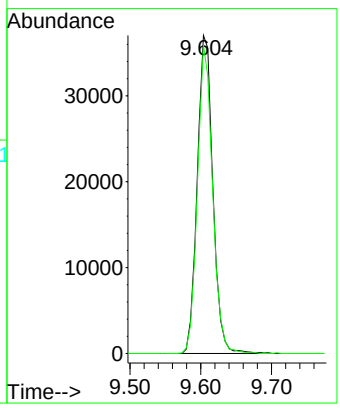





#61
1,2-Dibromoethane
Concen: 52.895 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:107 Resp: 56628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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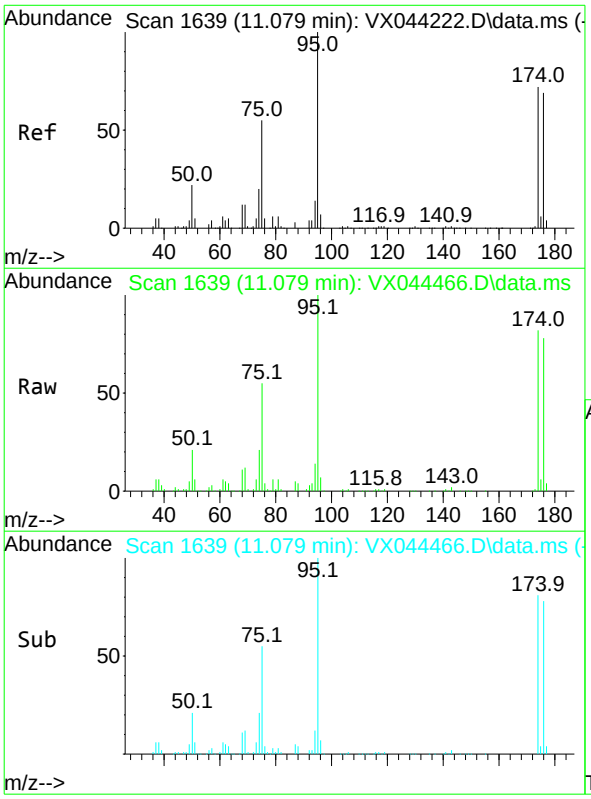
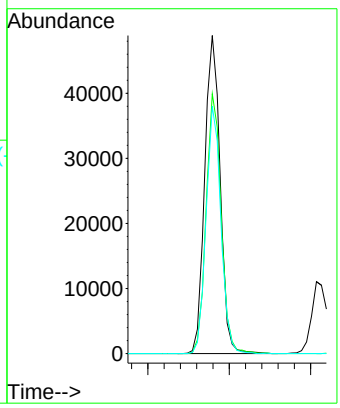
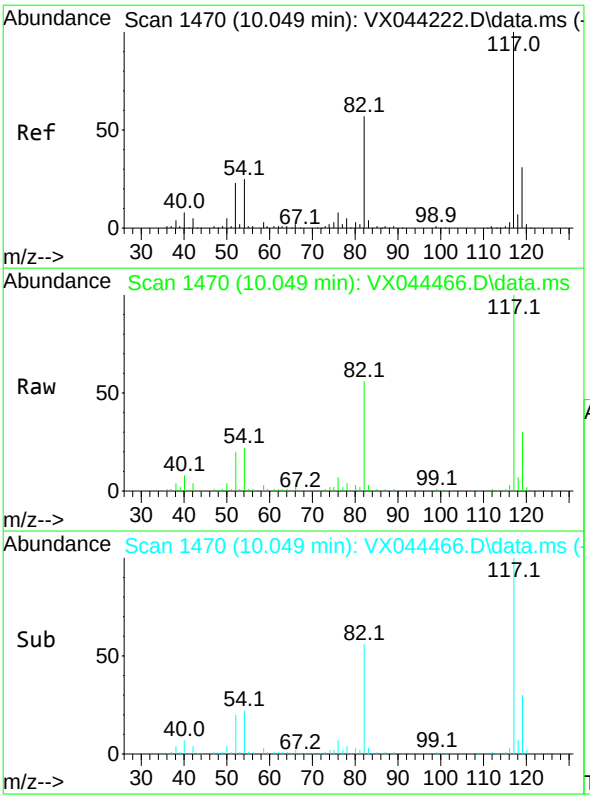



#62
4-Bromofluorobenzene
Concen: 50.827 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 95 Resp: 64363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.7 | 0.0 | 145.8 |
| 176 | 74.8 | 0.0 | 137.8 |

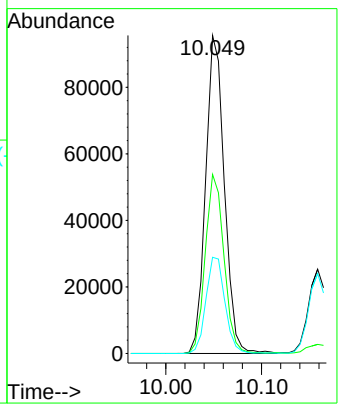





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:117 Resp: 129773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 45.8 | 68.8 |
| 119 | 30.2 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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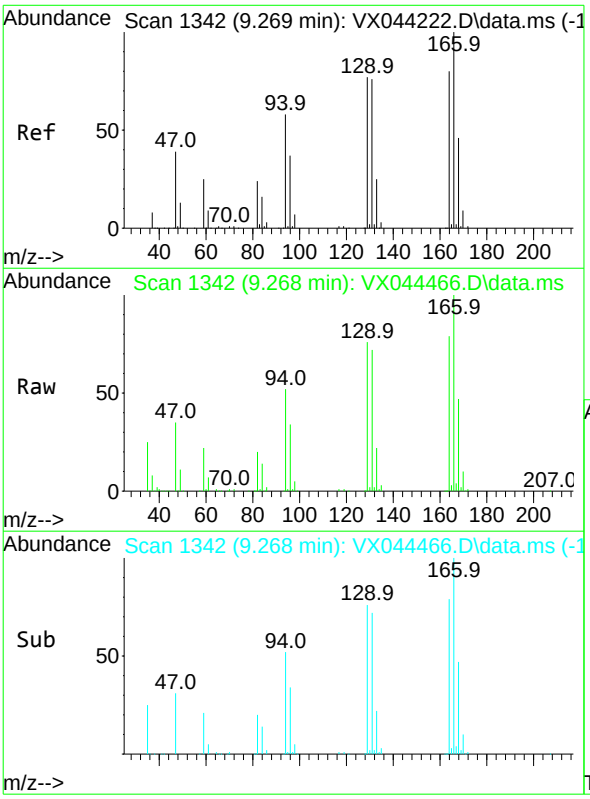
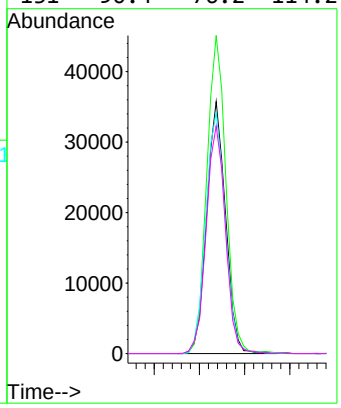
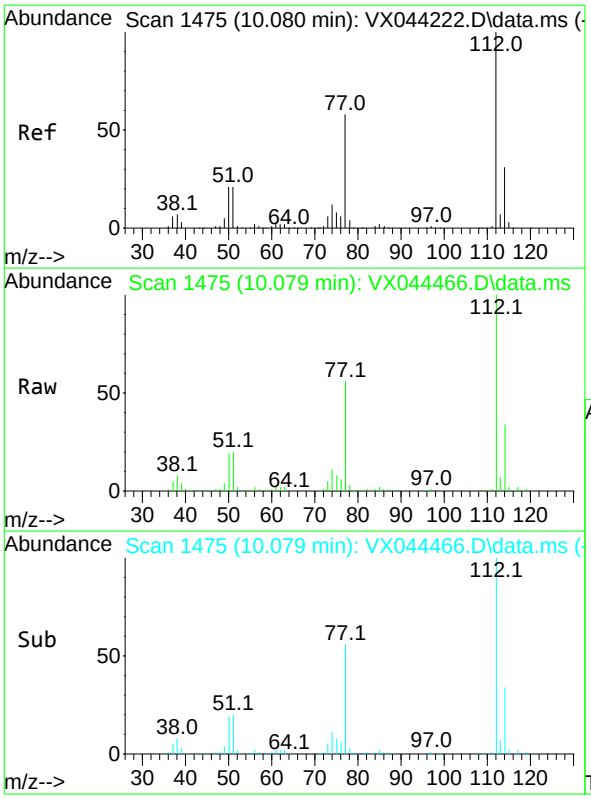



#64
Tetrachloroethene
Concen: 60.182 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:164 Resp: 51836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.3 | 100.4 | 150.6 |
| 129 | 95.7 | 77.2 | 115.8 |
| 131 | 90.4 | 76.2 | 114.2 |

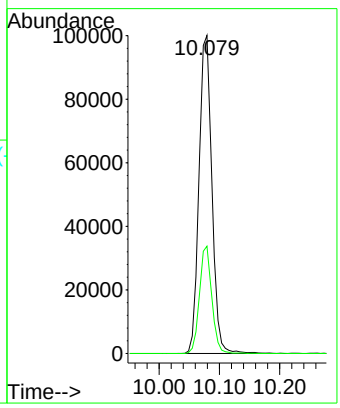





#65
Chlorobenzene
Concen: 53.435 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:112 Resp: 148588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.7 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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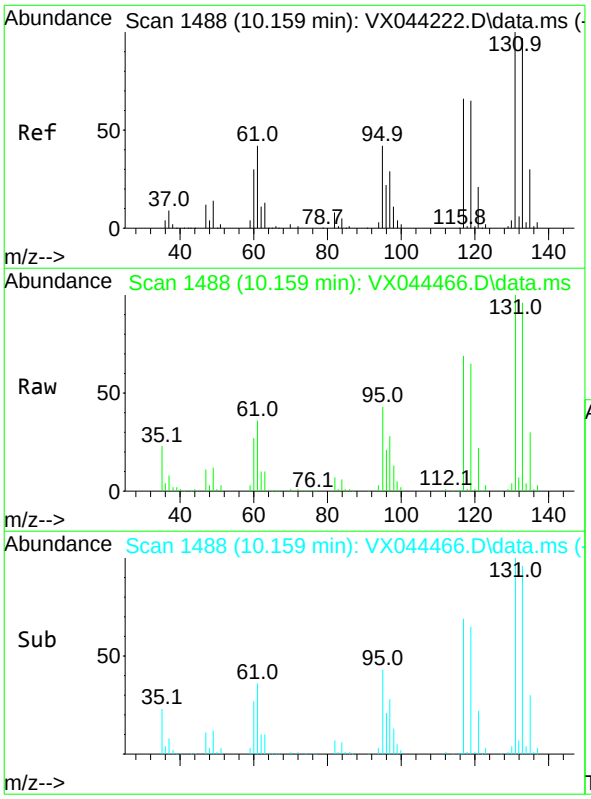
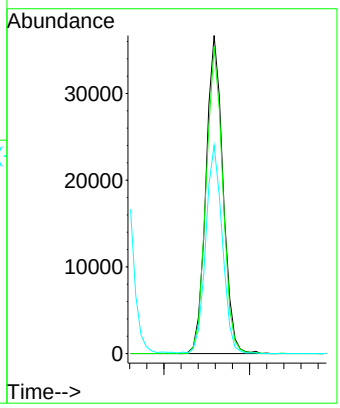
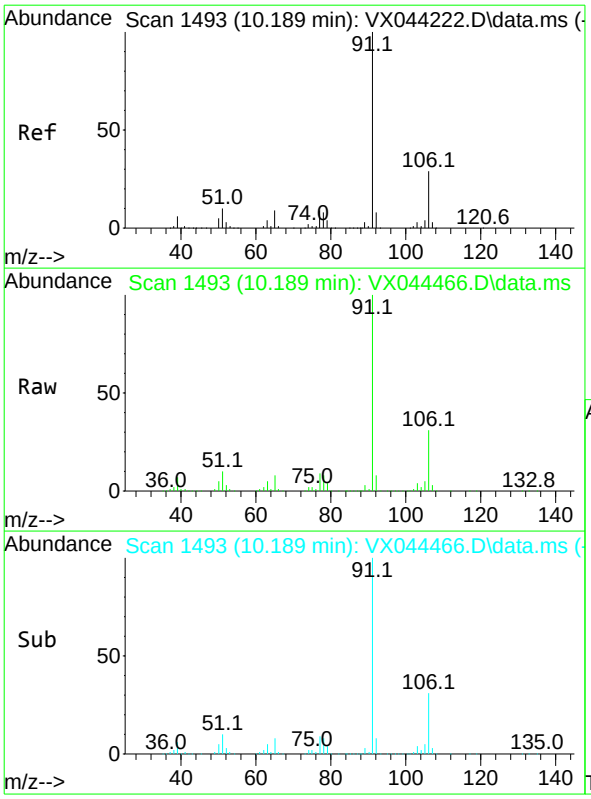



#66
1,1,1,2-Tetrachloroethane
Concen: 56.575 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:131 Resp: 50561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.2 | 47.3 | 141.8 |
| 119 | 63.8 | 31.6 | 95.0 |

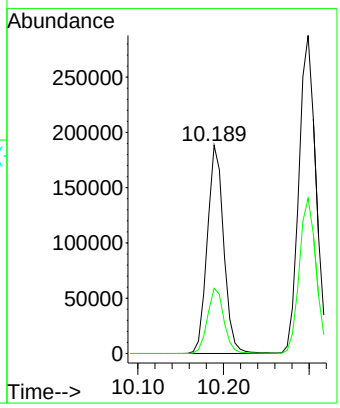





#67
Ethyl Benzene
Concen: 52.159 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 91 Resp: 250606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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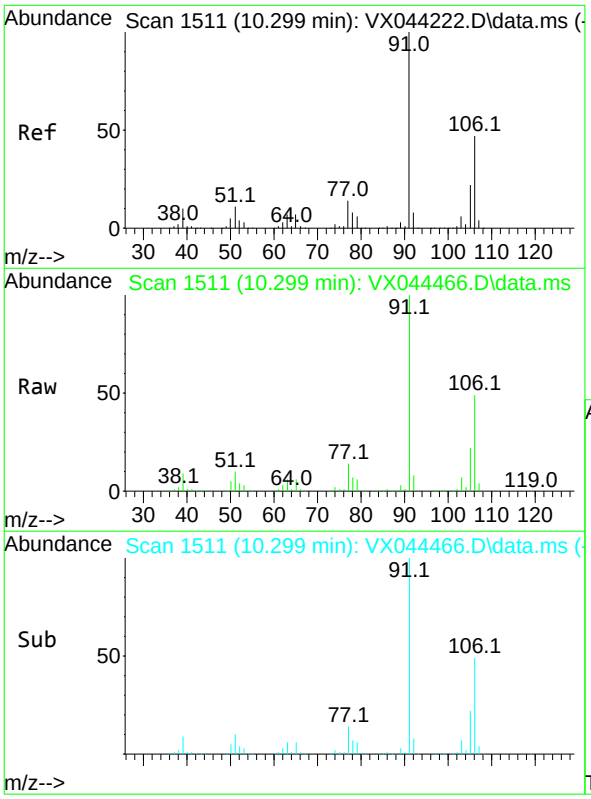
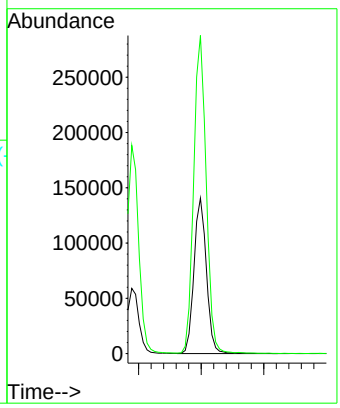
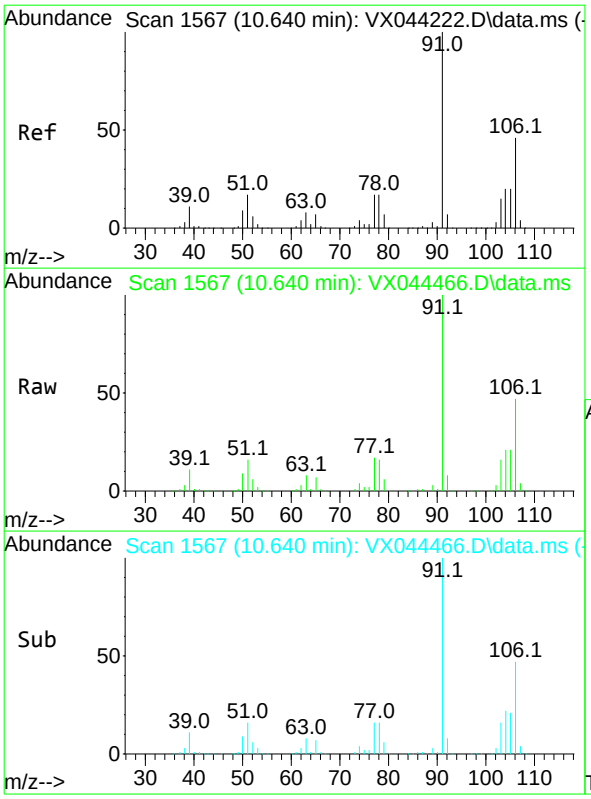



#68
m/p-Xylenes
Concen: 110.024 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:106 Resp: 193976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.1 | 170.2 | 255.2 |

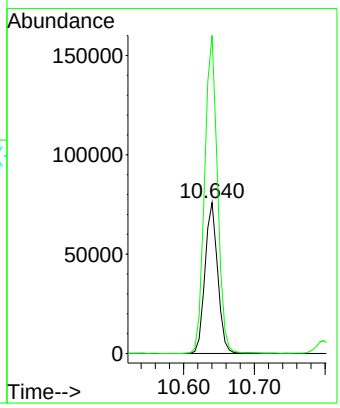





#69
o-Xylene
Concen: 53.232 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:106 Resp: 94957

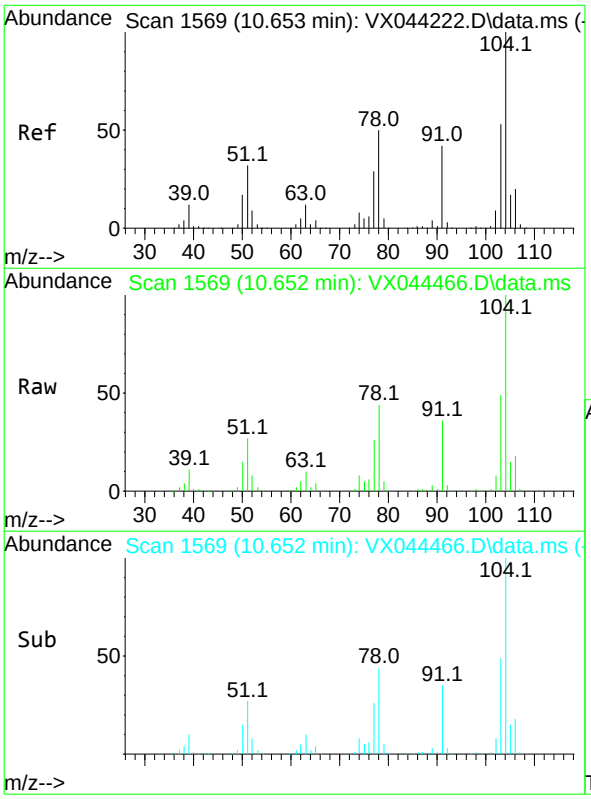
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.5 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

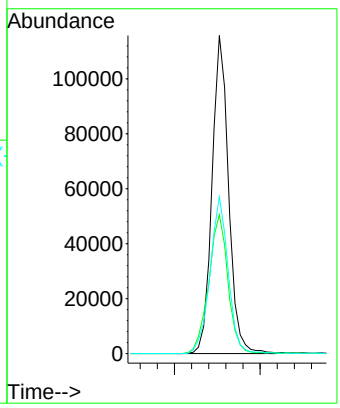
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

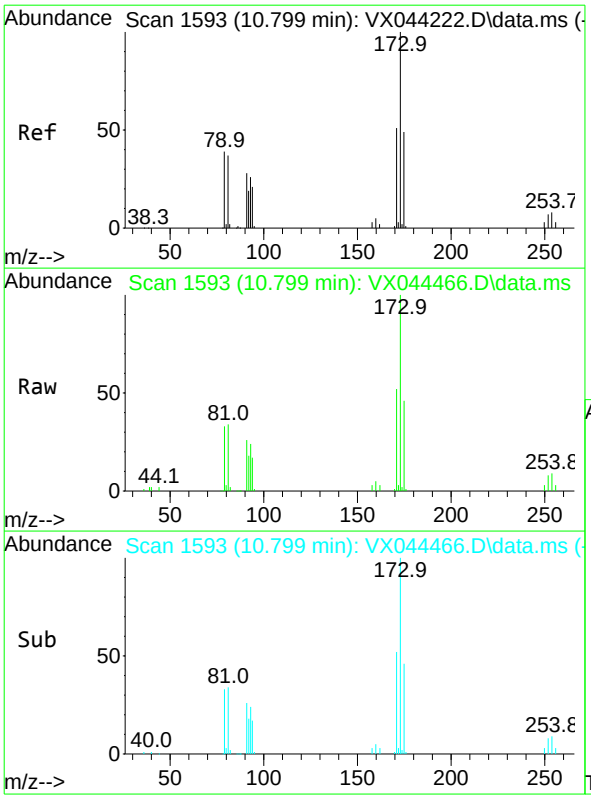



#70
Styrene
Concen: 54.396 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:104 Resp: 155555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 44.6 | 67.0 |
| 103 | 54.0 | 45.4 | 68.0 |






#71
Bromoform
Concen: 52.112 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:173 Resp: 32723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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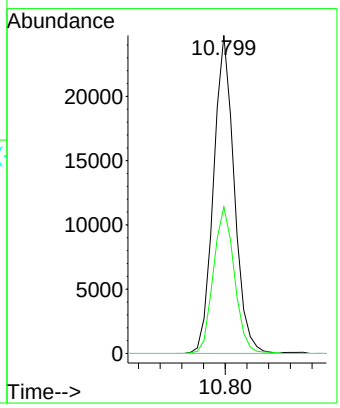
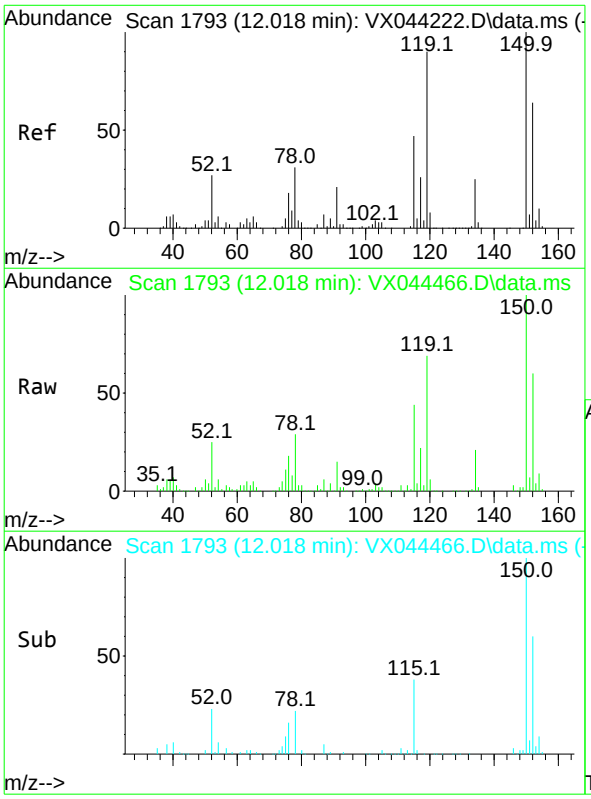
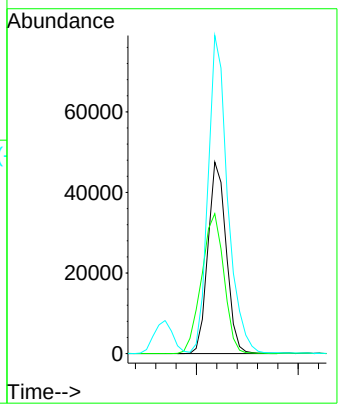


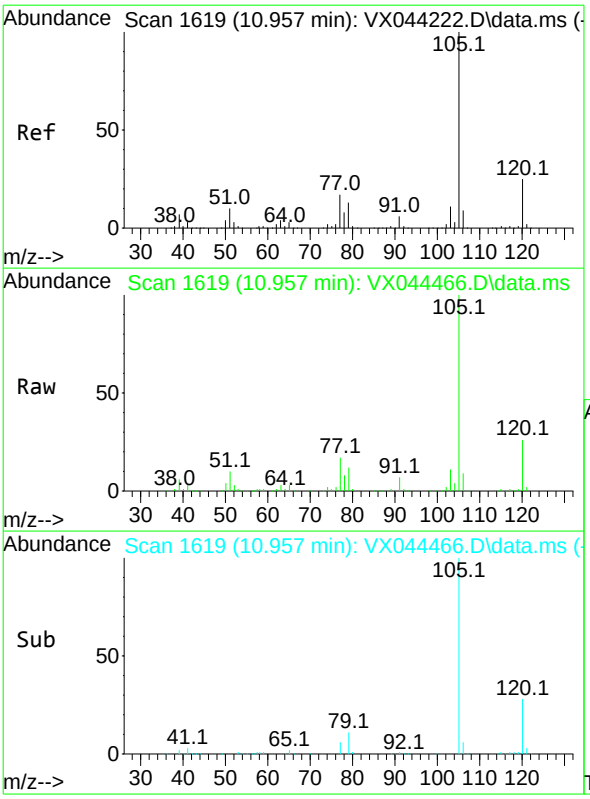




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:152 Resp: 59280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 89.6 | 44.5 | 133.3 |
| 150 | 179.1 | 0.0 | 353.8 |






#73
Isopropylbenzene
Concen: 54.392 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:105 Resp: 246838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.1 | 39.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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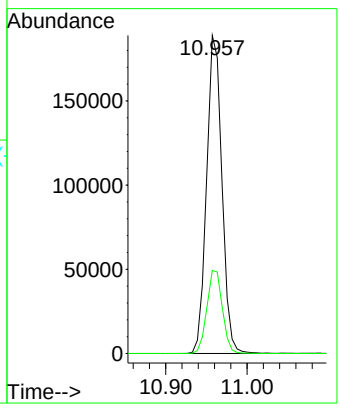
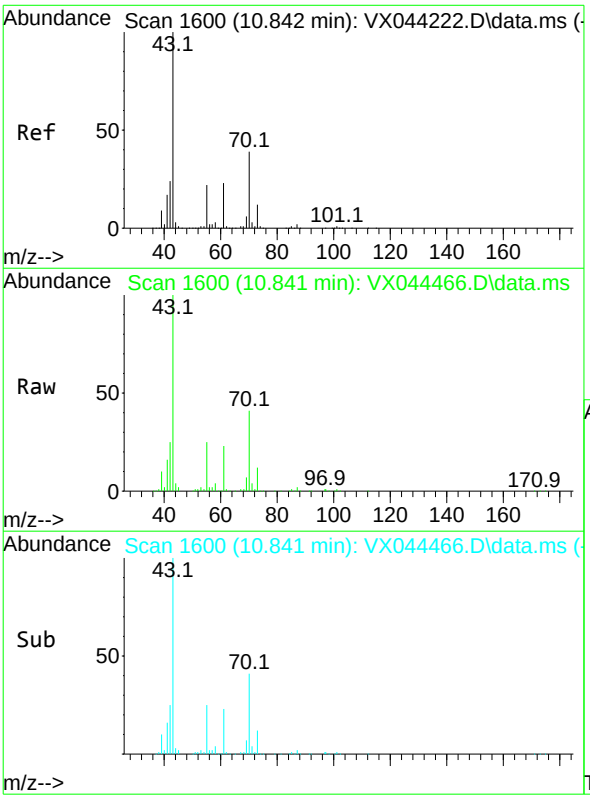
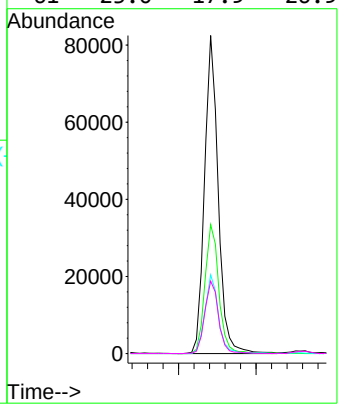


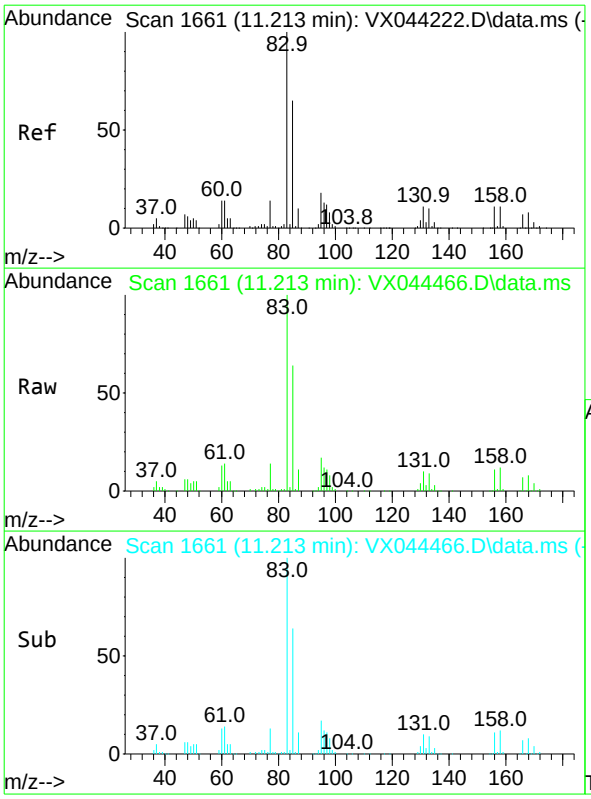




#74
N-amyl acetate
Concen: 48.214 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 101119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 31.9 | 47.9 |
| 55 | 24.4 | 17.9 | 26.9 |
| 61 | 23.0 | 17.9 | 26.9 |






#75
1,1,2,2-Tetrachloroethane
Concen: 52.066 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 83 Resp: 82068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.1 | 15.4 |
| 85 | 64.9 | 32.5 | 97.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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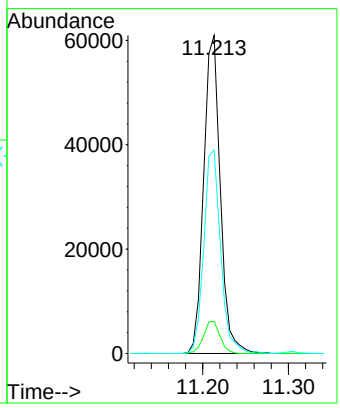
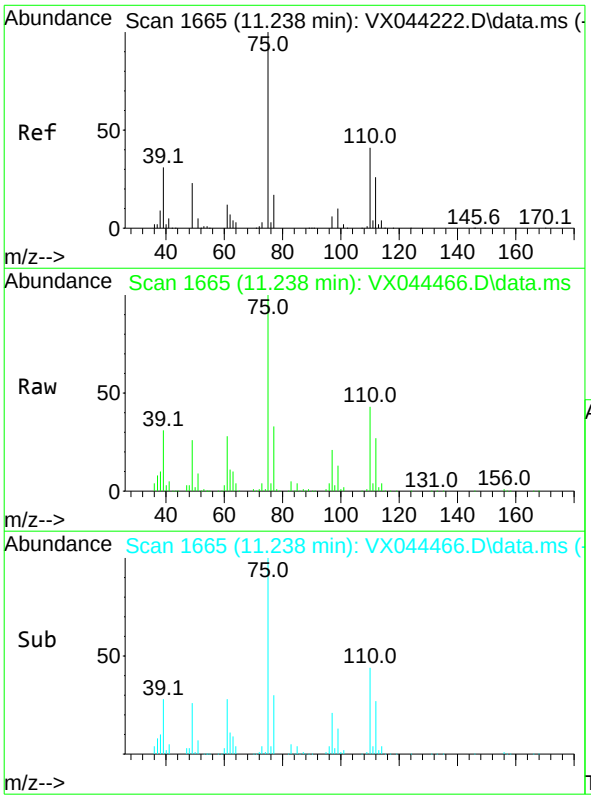
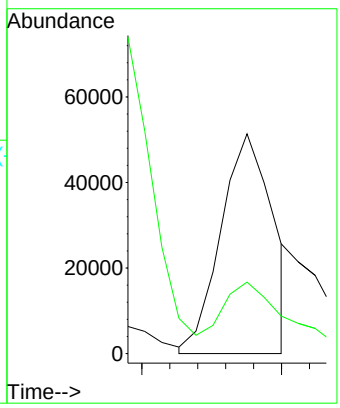


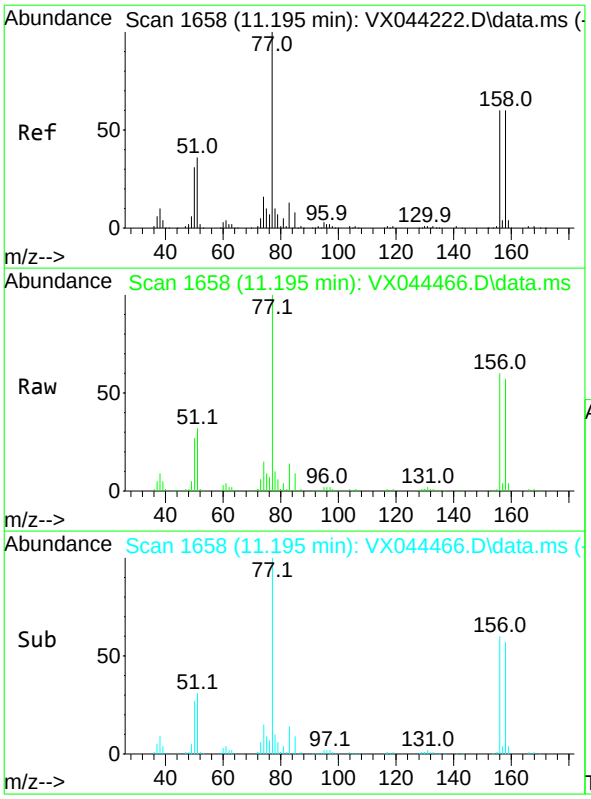




#76
1,2,3-Trichloropropane
Concen: 50.267 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 66533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.0 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 52.949 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:156 Resp: 58269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 160.3 | 82.6 | 247.8 |
| 158 | 96.4 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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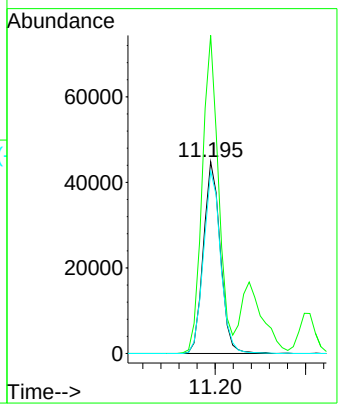
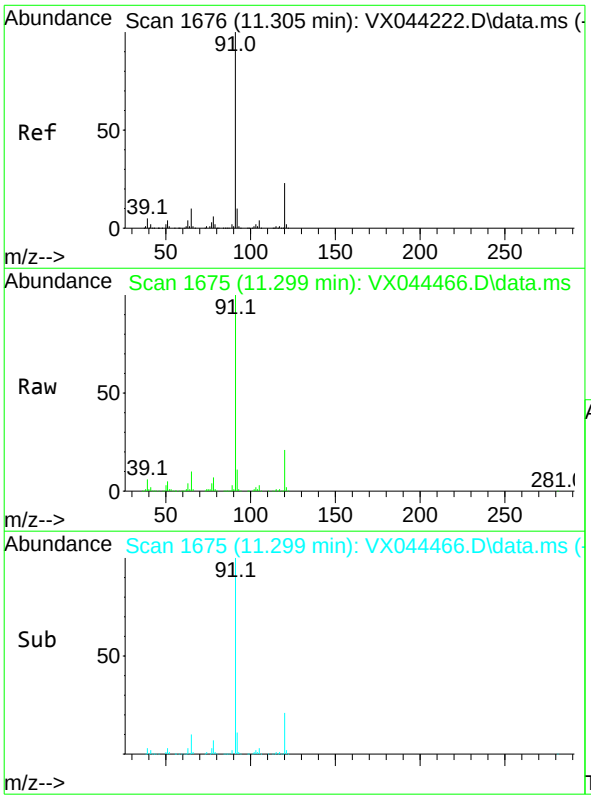
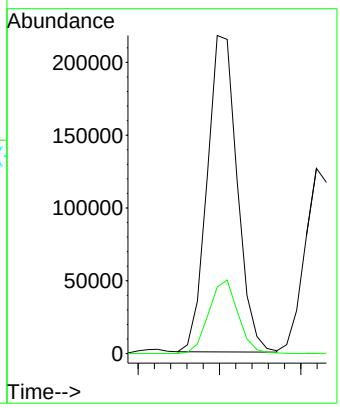


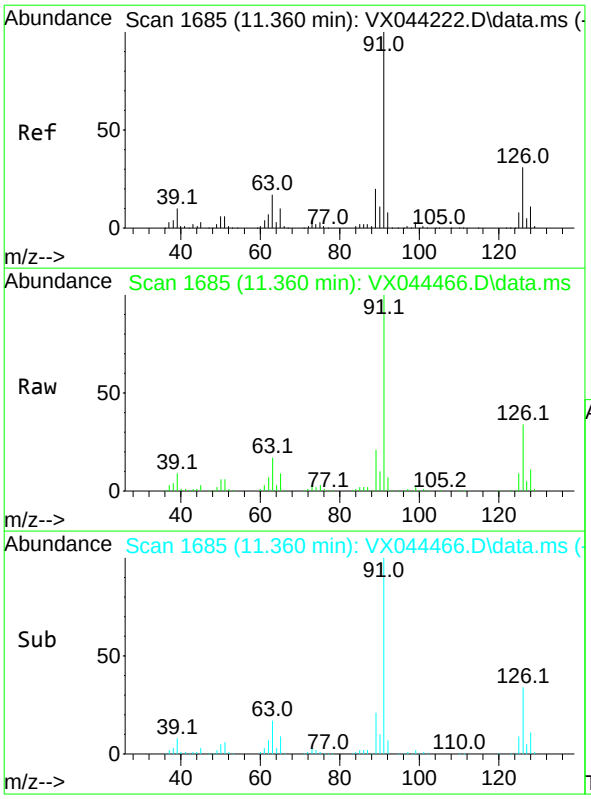




#78
n-propylbenzene
Concen: 55.610 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 91 Resp: 278932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.0 | 33.0 |

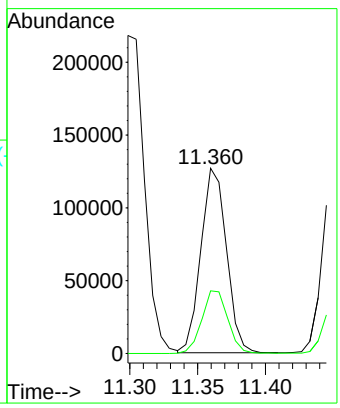





#79
2-Chlorotoluene
Concen: 51.245 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 91 Resp: 166232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.7 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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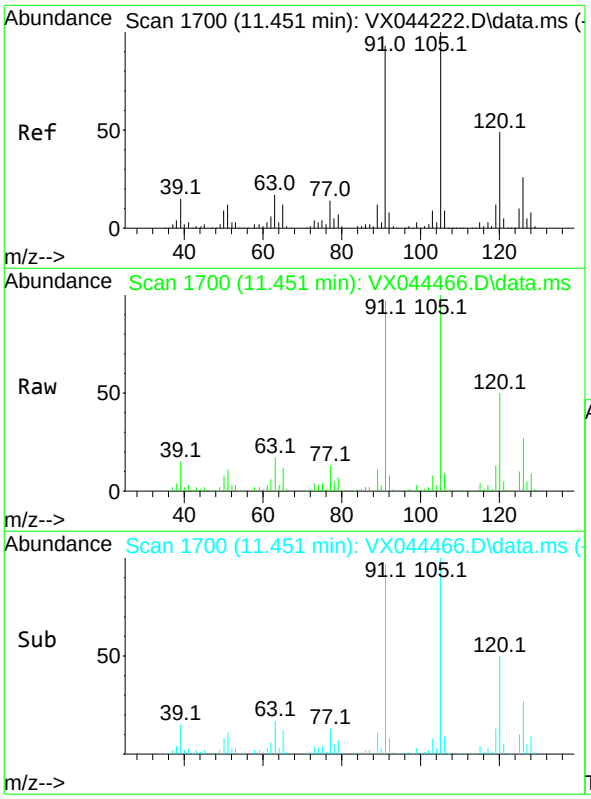
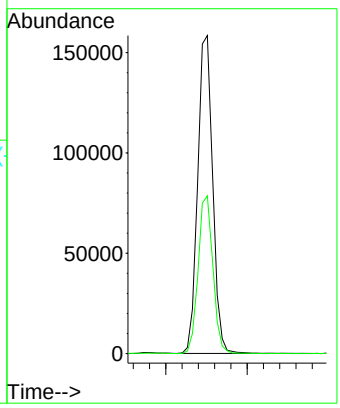
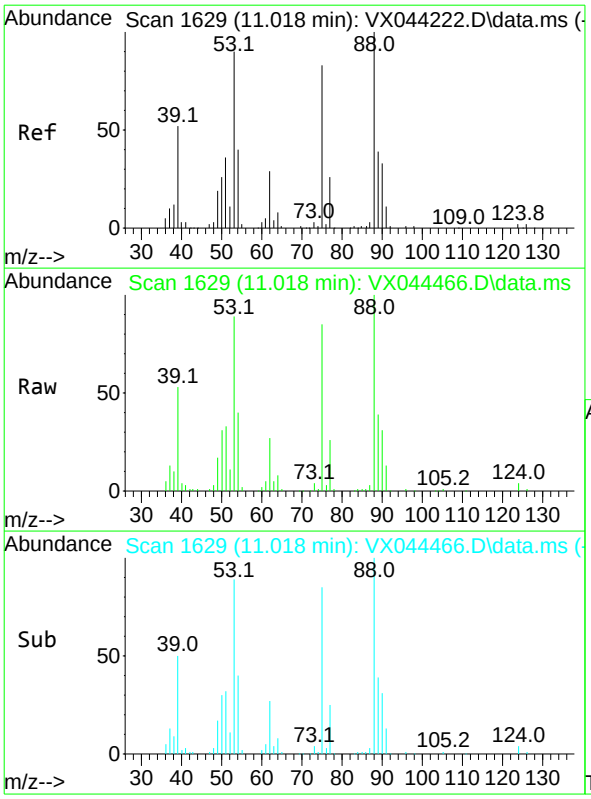



#80
1,3,5-Trimethylbenzene
Concen: 53.807 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:105 Resp: 202499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.0 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 48.538 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 22335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 113.5 | 93.6 | 140.4 |
| 89 | 47.1 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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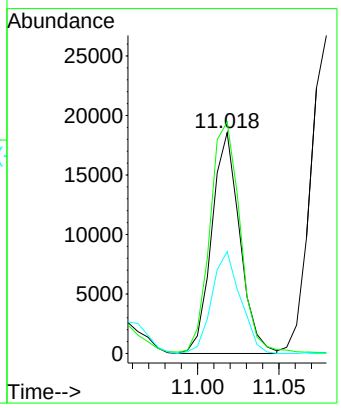
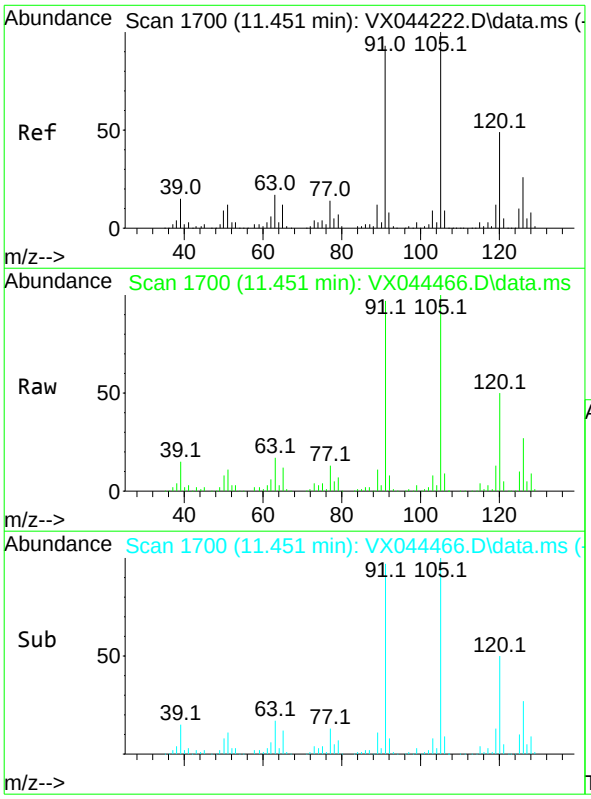
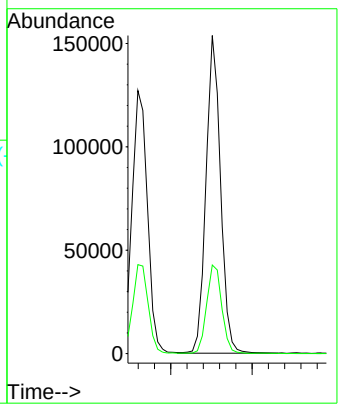


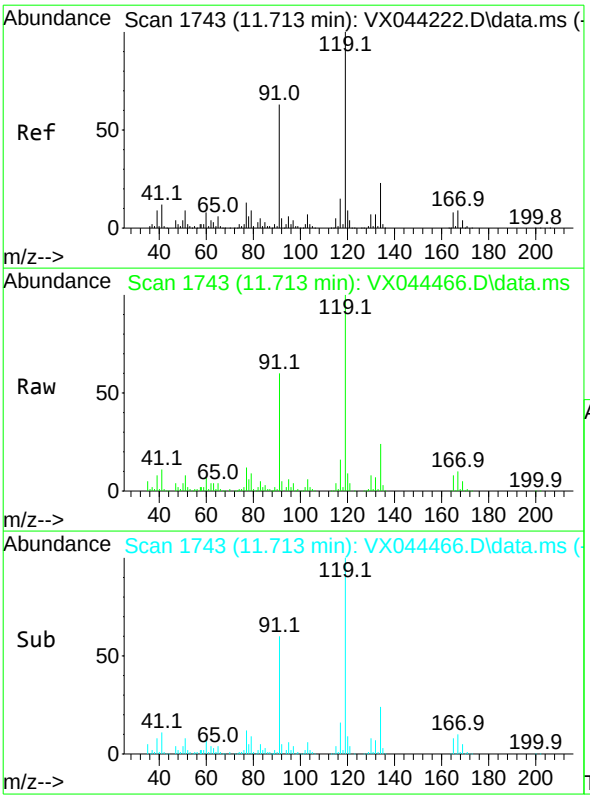




#82
4-Chlorotoluene
Concen: 52.988 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 91 Resp: 190339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.8 | 14.5 | 43.5 |

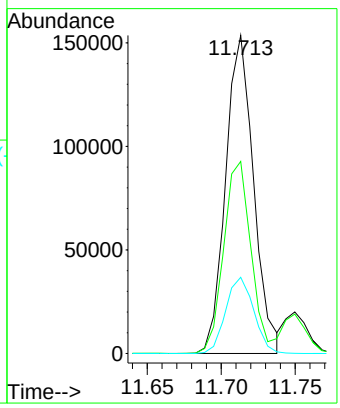





#83
tert-Butylbenzene
Concen: 54.400 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:119 Resp: 202328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.4 | 30.9 | 92.5 |
| 134 | 24.0 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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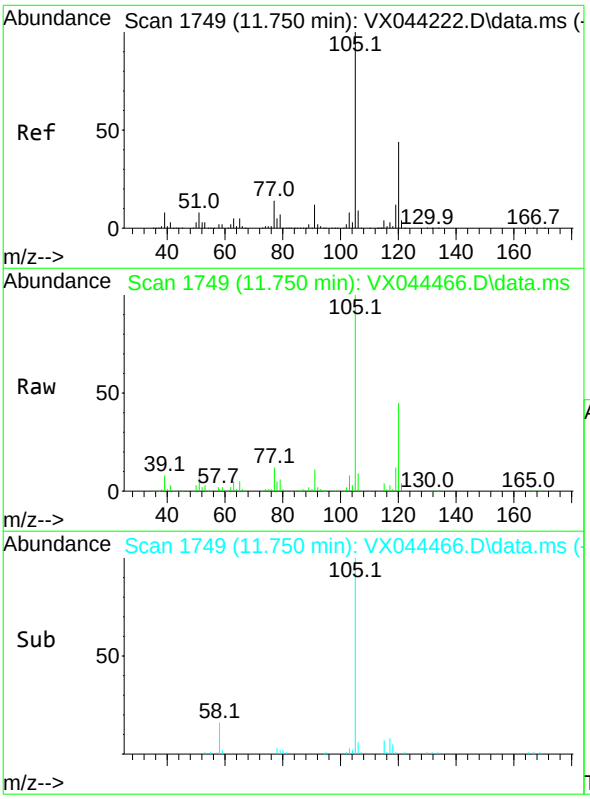
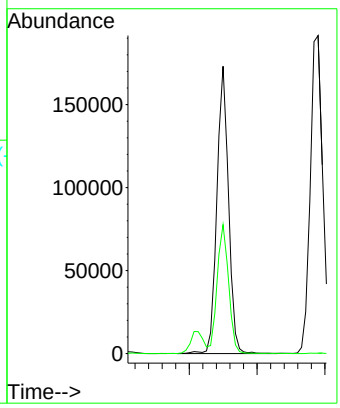
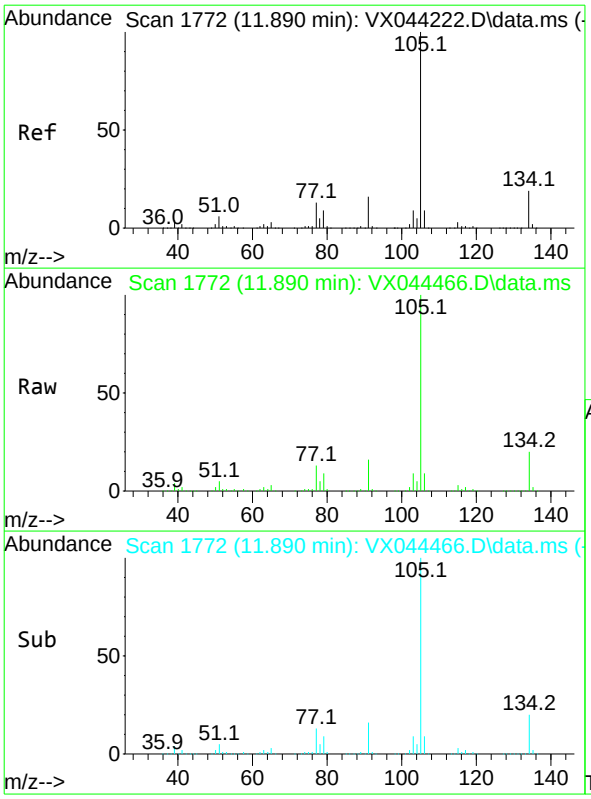



#84
1,2,4-Trimethylbenzene
Concen: 55.839 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:105 Resp: 206380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 54.332 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:105 Resp: 245317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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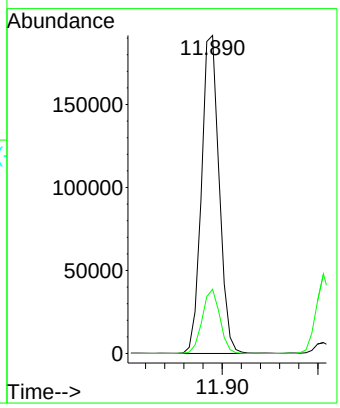
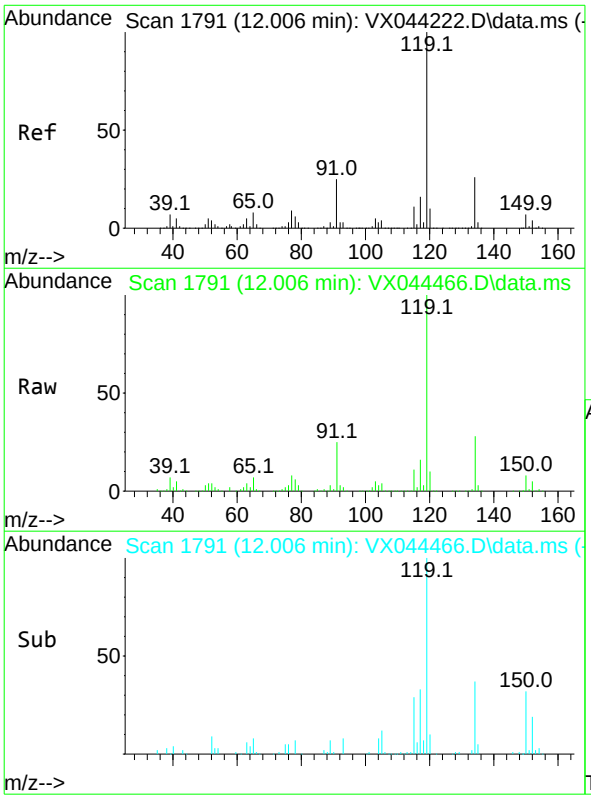
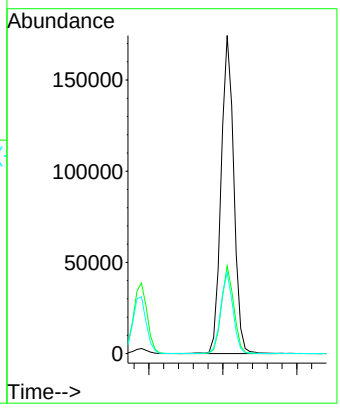


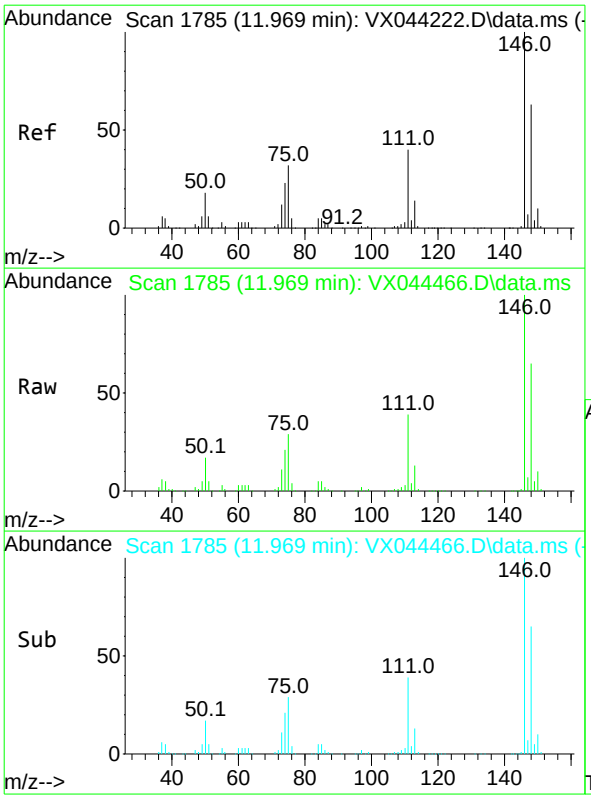




#86
p-Isopropyltoluene
Concen: 55.162 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:119 Resp: 207299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.7 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |

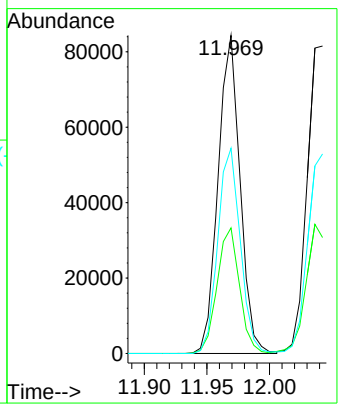





#87
1,3-Dichlorobenzene
Concen: 53.639 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:146 Resp: 103109

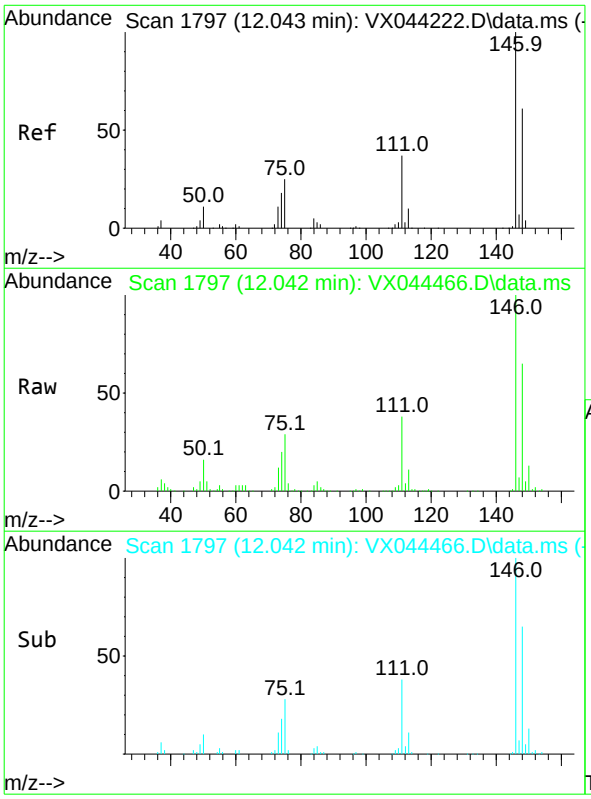
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.2 | 21.4 | 64.2 |
| 148 | 66.0 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

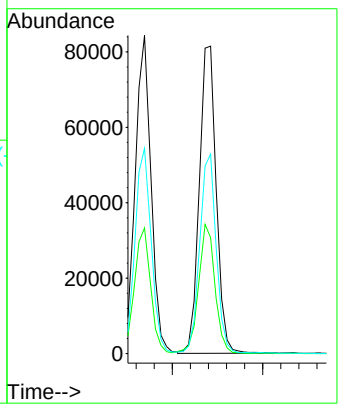
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

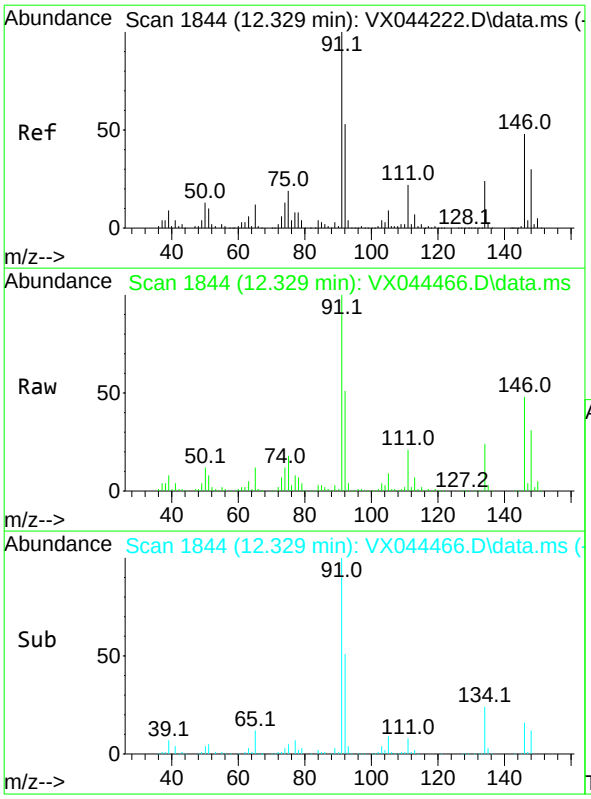



#88
1,4-Dichlorobenzene
Concen: 53.777 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:146 Resp: 106265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 21.0 | 63.0 |
| 148 | 62.8 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 54.910 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

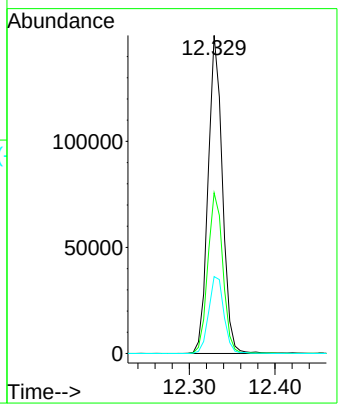
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

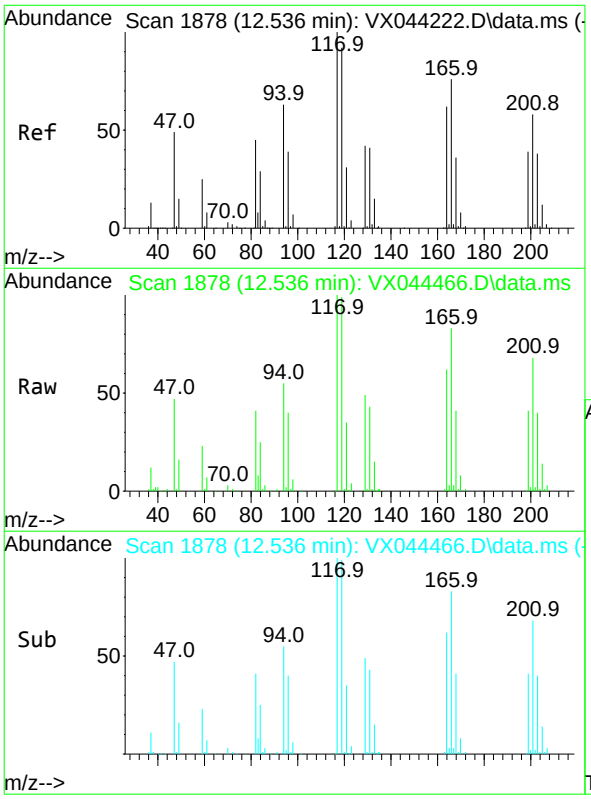
Tgt Ion: 91 Resp: 173517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.6 | 79.7 |
| 134 | 25.8 | 12.6 | 37.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

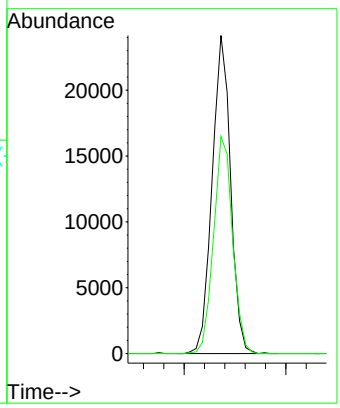


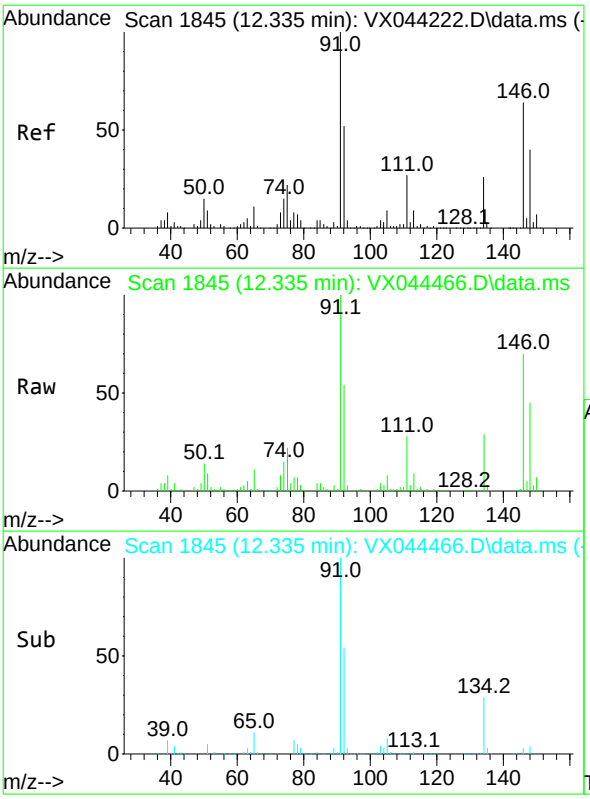




#90
Hexachloroethane
Concen: 55.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:117 Resp: 30390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.4 | 31.4 | 94.2 |






#91
1,2-Dichlorobenzene
Concen: 53.130 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

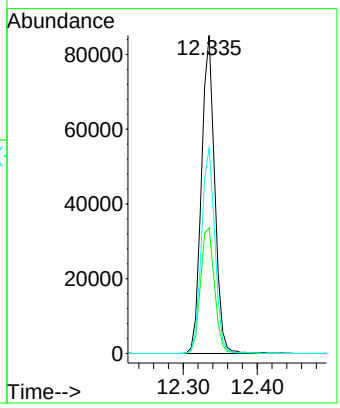
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

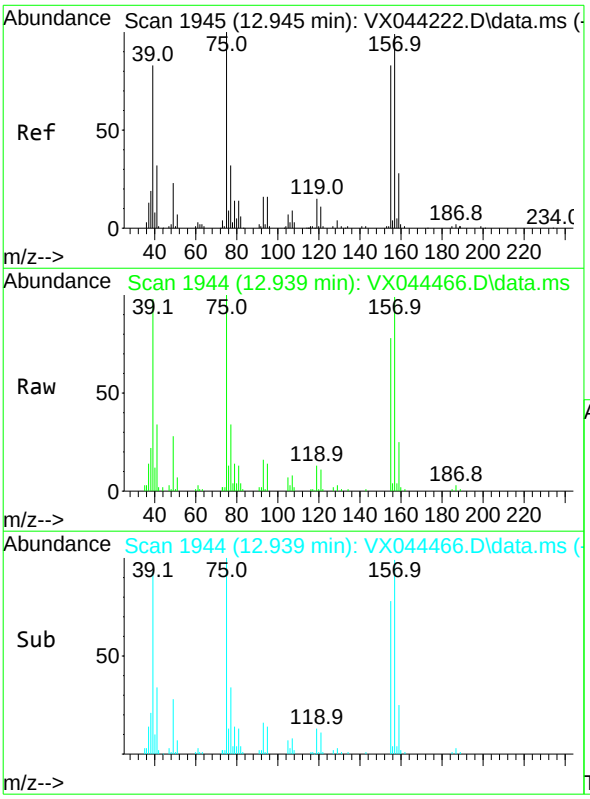
Tgt Ion:146 Resp: 106046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 21.4 | 64.3 |
| 148 | 65.2 | 31.6 | 95.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

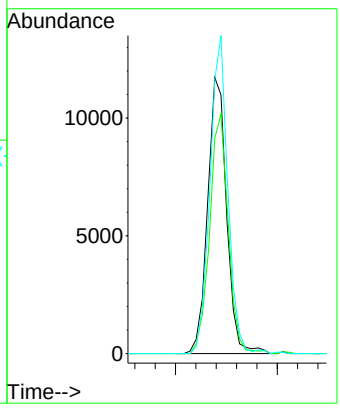


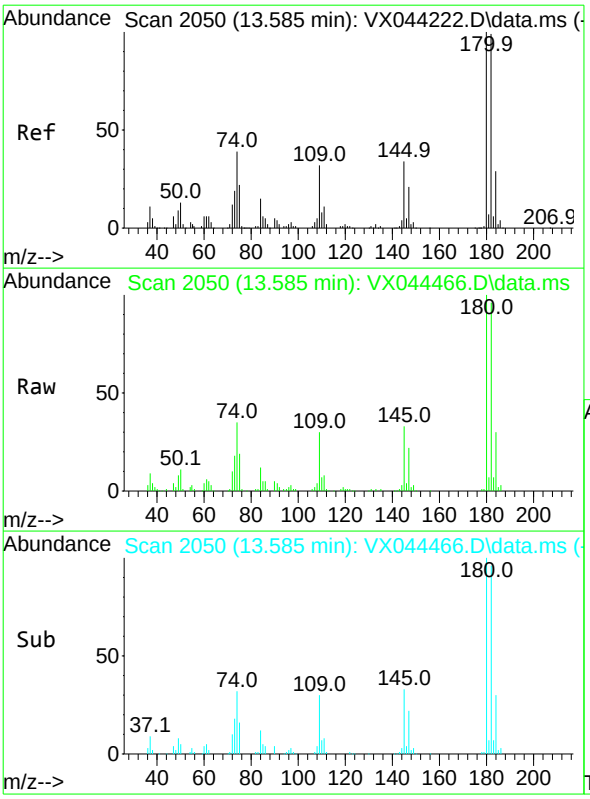




#92
1,2-Dibromo-3-Chloropropane
Concen: 49.558 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 15164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.3 | 38.1 | 114.3 |
| 157 | 108.8 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 55.746 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

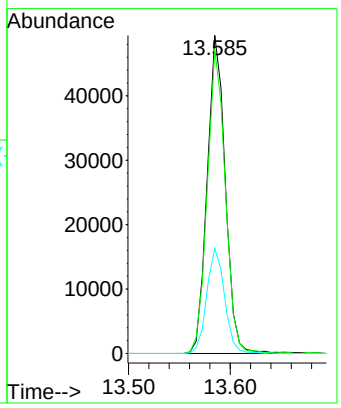
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

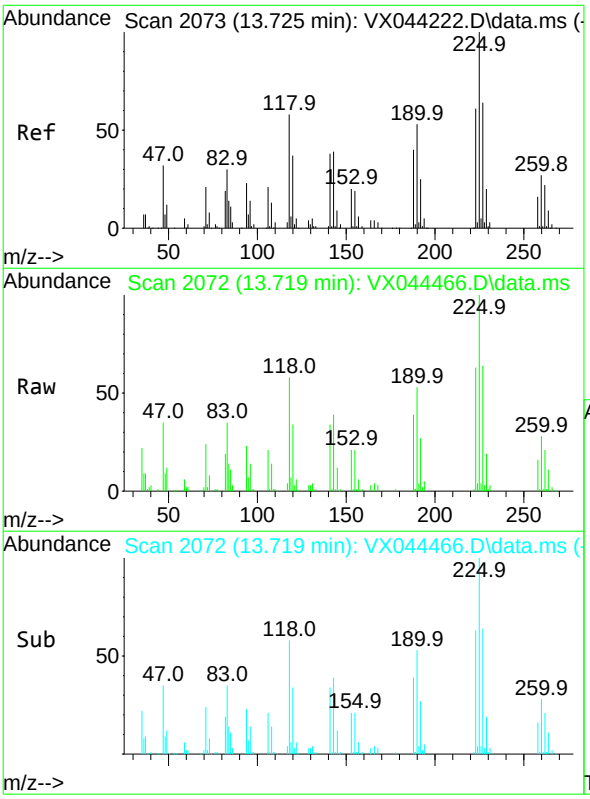
Tgt Ion:180 Resp: 61001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 48.0 | 144.2 |
| 145 | 32.7 | 16.6 | 49.7 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

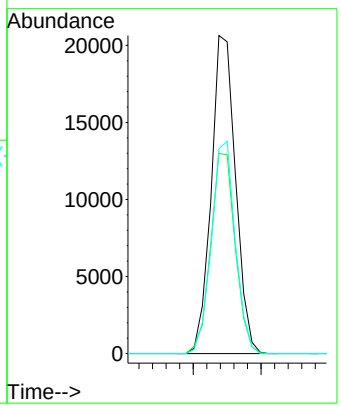


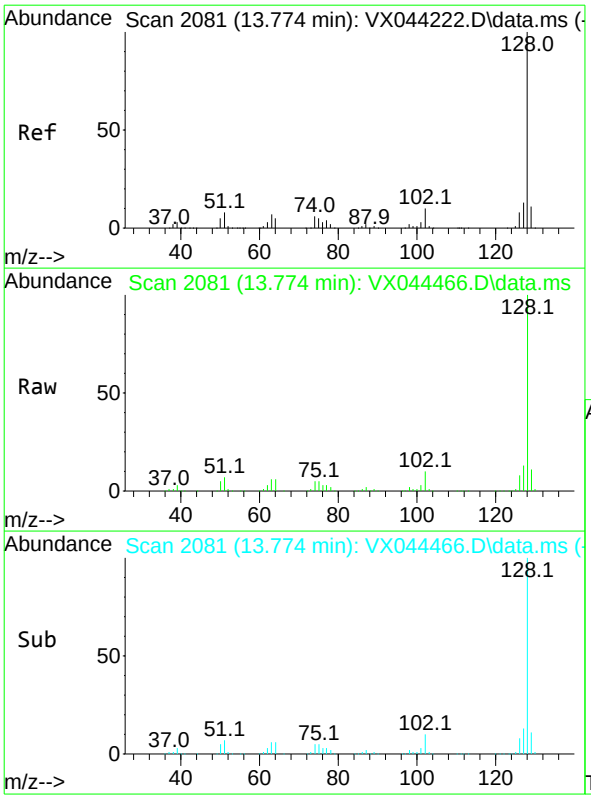




#94
Hexachlorobutadiene
Concen: 58.407 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:225 Resp: 25708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 30.8 | 92.4 |
| 227 | 65.3 | 32.1 | 96.3 |

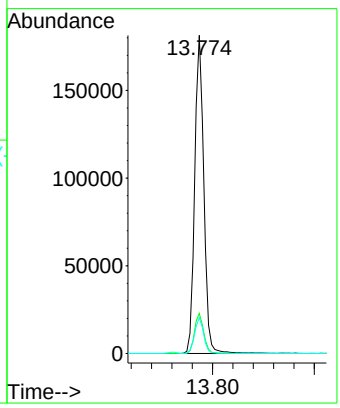





#95
Naphthalene
Concen: 52.712 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:128 Resp: 225150

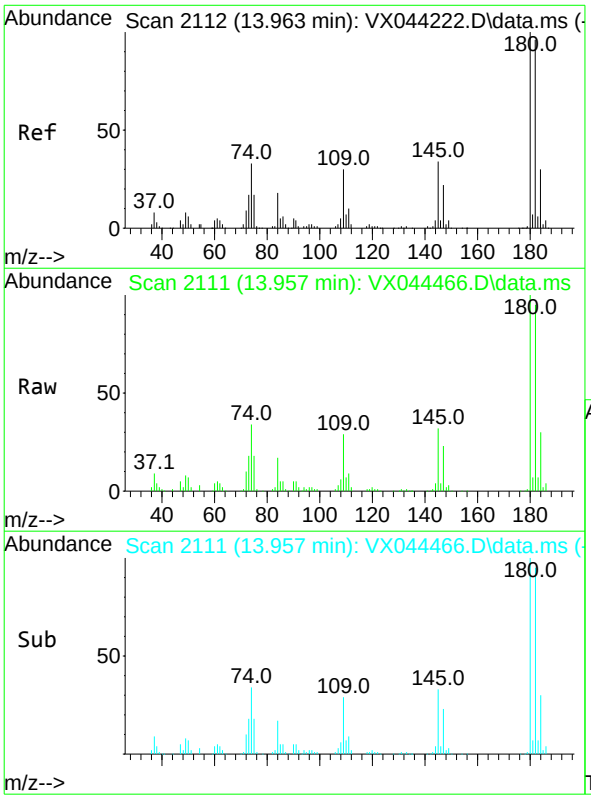
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 11.1 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

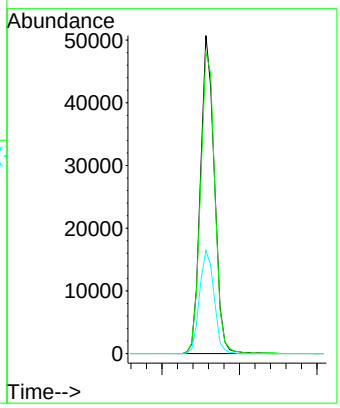
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024




#96
1,2,3-Trichlorobenzene
Concen: 54.418 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:180 Resp: 63159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.7 | 48.0 | 144.0 |
| 145 | 33.8 | 17.7 | 53.1 |



Sample Results: **VX044466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.773 | 0.826 | -6.9 | 82 | 0.00 |
| 3 | P | Chloromethane | 0.739 | 0.733 | 0.8 | 76 | 0.00 |
| 4 | C | Vinyl Chloride | 0.770 | 0.718 | 6.8# | 71 | 0.00 |
| 5 | T | Bromomethane | 0.546 | 0.480 | 12.1 | 68 | 0.00 |
| 6 | T | Chloroethane | 0.480 | 0.398 | 17.1 | 58 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.508 | 1.293 | 14.3 | 66 | 0.00 |
| 8 | T | Diethyl Ether | 0.515 | 0.389 | 24.5 | 59 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.663 | -8.7 | 84 | 0.00 |
| 10 | T | Methyl Iodide | 0.804 | 0.722 | 10.2 | 67 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.036 | 71.0# | 23# | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.569 | -1.6# | 75 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.126 | 29.6# | 53 | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.875 | 6.2 | 68 | 0.00 |
| 15 | T | Acrylonitrile | 0.342 | 0.321 | 6.1 | 70 | 0.00 |
| 16 | T | Acetone | 0.357 | 0.295 | 17.4 | 60 | 0.00 |
| 17 | T | Carbon Disulfide | 1.065 | 0.991 | 6.9 | 67 | 0.00 |
| 18 | T | Methyl Acetate | 0.922 | 0.827 | 10.3 | 68 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.187 | 1.927 | 11.9 | 65 | 0.00 |
| 20 | T | Methylene Chloride | 0.671 | 0.595 | 11.3 | 67 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.569 | 4.5 | 72 | 0.00 |
| 22 | T | Diisopropyl ether | 2.102 | 1.888 | 10.2 | 68 | -0.01 |
| 23 | T | Vinyl Acetate | 1.709 | 1.594 | 6.7 | 65 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.172 | 1.079 | 7.9 | 68 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.426 | 16.1 | 61 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.952 | 0.969 | -1.8 | 72 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.756 | 0.701 | 7.3 | 71 | 0.00 |
| 28 | T | Bromochloromethane | 0.575 | 0.473 | 17.7 | 62 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.276 | 15.3 | 64 | 0.00 |
| 30 | C | Chloroform | 1.316 | 1.165 | 11.5# | 68 | 0.00 |
| 31 | T | Cyclohexane | 0.946 | 0.964 | -1.9 | 77 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.093 | 1.033 | 5.5 | 69 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.877 | 0.735 | 16.2 | 62 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 66 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.372 | -7.5 | 67 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.448 | 0.497 | -10.9 | 74 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.534 | 3.4 | 61 | -0.02 |
| 38 | T | Carbon Tetrachloride | 0.482 | 0.532 | -10.4 | 70 | 0.00 |
| 39 | T | Methylcyclohexane | 0.535 | 0.657 | -22.8 | 79 | 0.00 |
| 40 | TM | Benzene | 1.359 | 1.479 | -8.8 | 70 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.277 | 5.8 | 61 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.560 | 0.539 | 3.8 | 61 | -0.01 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.829 | 4.2 | 60 | 0.00 |
| 44 | TM | Trichloroethene | 0.339 | 0.375 | -10.6 | 71 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.347 | 0.363 | -4.6# | 68 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.282 | -4.8 | 66 | 0.00 |
| 47 | T | Bromodichloromethane | 0.465 | 0.505 | -8.6 | 66 | 0.00 |
| 48 | T | Methyl methacrylate | 0.420 | 0.394 | 6.2 | 59 | 0.00 |

Sample Results: **VX044466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.007 | 0.0 | 62 | 0.00 |
| 50 | S | Toluene-d8 | 1.168 | 1.249 | -6.9 | 66 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.556 | 0.519 | 6.7 | 58 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.904 | -6.0# | 68 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.455 | 0.481 | -5.7 | 62 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.507 | 0.551 | -8.7 | 65 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.339 | 0.361 | -6.5 | 67 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.535 | 0.527 | 1.5 | 61 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.610 | -3.4 | 66 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.262 | 3.0 | 59 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.376 | 6.7 | 57 | 0.00 |
| 60 | T | Dibromochloromethane | 0.326 | 0.354 | -8.6 | 64 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.365 | -5.8 | 66 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.408 | 0.415 | -1.7 | 62 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 63 | 0.00 |
| 64 | T | Tetrachloroethene | 0.332 | 0.399 | -20.2 | 79 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.145 | -6.9 | 67 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.344 | 0.390 | -13.4 | 66 | 0.00 |
| 67 | C | Ethyl Benzene | 1.851 | 1.931 | -4.3# | 63 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.747 | -10.0 | 67 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.732 | -6.6 | 66 | 0.00 |
| 70 | T | Styrene | 1.102 | 1.199 | -8.8 | 65 | 0.00 |
| 71 | P | Bromoform | 0.219 | 0.252 | -15.1 | 65 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 62 | 0.00 |
| 73 | T | Isopropylbenzene | 3.828 | 4.164 | -8.8 | 66 | 0.00 |
| 74 | T | N-amyl acetate | 1.769 | 1.706 | 3.6 | 55 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.329 | 1.384 | -4.1 | 65 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.116 | 1.122 | -0.5 | 62 | 0.00 |
| 77 | T | Bromobenzene | 0.928 | 0.983 | -5.9 | 65 | 0.00 |
| 78 | T | n-propylbenzene | 4.231 | 4.705 | -11.2 | 65 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.736 | 2.804 | -2.5 | 63 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.174 | 3.416 | -7.6 | 64 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.347 | 0.377 | -8.6 | 64 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.030 | 3.211 | -6.0 | 64 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.137 | 3.413 | -8.8 | 65 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.117 | 3.481 | -11.7 | 66 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.808 | 4.138 | -8.7 | 65 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.170 | 3.497 | -10.3 | 65 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.621 | 1.739 | -7.3 | 64 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.793 | -7.6 | 67 | 0.00 |
| 89 | T | n-Butylbenzene | 2.665 | 2.927 | -9.8 | 64 | 0.00 |
| 90 | T | Hexachloroethane | 0.463 | 0.513 | -10.8 | 63 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.789 | -6.3 | 65 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.256 | 0.8 | 58 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.923 | 1.029 | -11.5 | 65 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.371 | 0.434 | -17.0 | 73 | 0.00 |
| 95 | T | Naphthalene | 3.603 | 3.798 | -5.4 | 62 | 0.00 |

Sample Results: **VX044466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.979 | 1.065 | -8.8 | 65 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 78 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 53.431 | -6.9 | 82 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 49.584 | 0.8 | 76 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.640 | 6.7# | 71 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 43.904 | 12.2 | 68 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 41.487 | 17.0 | 58 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 42.875 | 14.2 | 66 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 37.795 | 24.4 | 59 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 54.311 | -8.6 | 84 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 44.919 | 10.2 | 67 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 72.268 | 71.1# | 23 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.798 | -1.6# | 75 | 0.00 |
| 13 | T | Acrolein | 250.000 | 175.615 | 29.8# | 53 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 46.857 | 6.3 | 68 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 234.398 | 6.2 | 70 | 0.00 |
| 16 | T | Acetone | 250.000 | 206.174 | 17.5 | 60 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.493 | 7.0 | 67 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.867 | 10.3 | 68 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 44.056 | 11.9 | 65 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 44.299 | 11.4 | 67 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.727 | 4.5 | 72 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 44.904 | 10.2 | 68 | -0.01 |
| 23 | T | Vinyl Acetate | 250.000 | 233.215 | 6.7 | 65 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.032 | 7.9 | 68 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 209.482 | 16.2 | 61 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.896 | -1.8 | 72 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 46.309 | 7.4 | 71 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 41.140 | 17.7 | 62 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 211.723 | 15.3 | 64 | 0.00 |
| 30 | C | Chloroform | 50.000 | 44.231 | 11.5# | 68 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.934 | -1.9 | 77 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.248 | 5.5 | 69 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 41.918 | 16.2 | 62 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 66 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.732 | -7.5 | 67 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 55.509 | -11.0 | 74 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.216 | 3.6 | 61 | -0.02 |
| 38 | T | Carbon Tetrachloride | 50.000 | 55.181 | -10.4 | 70 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 61.418 | -22.8 | 79 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.397 | -8.8 | 70 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.172 | 5.7 | 61 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.161 | 3.7 | 61 | -0.01 |
| 43 | T | Isopropyl Acetate | 50.000 | 47.918 | 4.2 | 60 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 55.326 | -10.7 | 71 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.281 | -4.6# | 68 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.402 | -4.8 | 66 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.300 | -8.6 | 66 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 46.898 | 6.2 | 59 | 0.00 |

Sample Results: **VX044466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1005.738 | -0.6 | 62 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 53.468 | -6.9 | 66 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 233.216 | 6.7 | 58 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.949 | -5.9# | 68 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.256 | 3.5 | 62 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.358 | -8.7 | 65 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.264 | -6.5 | 67 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.194 | 1.6 | 61 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.667 | -3.3 | 66 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 242.753 | 2.9 | 59 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 233.464 | 6.6 | 57 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.335 | 1.3 | 64 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.895 | -5.8 | 66 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.827 | -1.7 | 62 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 63 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 60.182 | -20.4 | 79 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 53.435 | -6.9 | 67 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 56.575 | -13.2 | 66 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.159 | -4.3# | 63 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 110.024 | -10.0 | 67 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.232 | -6.5 | 66 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.396 | -8.8 | 65 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.112 | -4.2 | 65 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 62 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.392 | -8.8 | 66 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.214 | 3.6 | 55 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.066 | -4.1 | 65 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.267 | -0.5 | 62 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.949 | -5.9 | 65 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 55.610 | -11.2 | 65 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.245 | -2.5 | 63 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.807 | -7.6 | 64 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 48.538 | 2.9 | 64 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.988 | -6.0 | 64 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 54.400 | -8.8 | 65 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.839 | -11.7 | 66 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 54.332 | -8.7 | 65 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.162 | -10.3 | 65 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.639 | -7.3 | 64 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.777 | -7.6 | 67 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.910 | -9.8 | 64 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 55.398 | -10.8 | 63 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.130 | -6.3 | 65 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.558 | 0.9 | 58 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 55.746 | -11.5 | 65 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 58.407 | -16.8 | 73 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.712 | -5.4 | 62 | 0.00 |

Sample Results: **VX044466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 54.418 | -8.8 | 65 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044492.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/23/2024 19:49

Lab File ID: VX044492.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.773 | 0.700 | | -9.44 | 50 |
| Chloromethane | 0.739 | 0.678 | 0.1 | -8.25 | 50 |
| Vinyl Chloride | 0.770 | 0.689 | | -10.52 | 50 |
| Bromomethane | 0.546 | 0.468 | | -14.29 | 50 |
| Chloroethane | 0.480 | 0.442 | | -7.92 | 50 |
| Trichlorofluoromethane | 1.508 | 1.069 | | -29.11 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.610 | 0.551 | | -9.67 | 50 |
| 1,1-Dichloroethene | 0.560 | 0.531 | | -5.18 | 50 |
| Acetone | 0.357 | 0.251 | | -29.69 | 50 |
| Carbon Disulfide | 1.065 | 0.983 | | -7.7 | 50 |
| Methyl tert-butyl Ether | 2.187 | 1.845 | | -15.64 | 50 |
| Methyl Acetate | 0.922 | 0.733 | | -20.5 | 50 |
| Methylene Chloride | 0.671 | 0.623 | | -7.15 | 50 |
| trans-1,2-Dichloroethene | 0.596 | 0.544 | | -8.73 | 50 |
| 1,1-Dichloroethane | 1.172 | 1.059 | 0.1 | -9.64 | 50 |
| Cyclohexane | 0.946 | 0.810 | | -14.38 | 50 |
| 2-Butanone | 0.508 | 0.382 | | -24.8 | 50 |
| Carbon Tetrachloride | 0.482 | 0.477 | | -1.04 | 50 |
| cis-1,2-Dichloroethene | 0.756 | 0.679 | | -10.19 | 50 |
| Bromochloromethane | 0.575 | 0.456 | | -20.7 | 50 |
| Chloroform | 1.316 | 1.143 | | -13.15 | 50 |
| 1,1,1-Trichloroethane | 1.093 | 0.986 | | -9.79 | 50 |
| Methylcyclohexane | 0.535 | 0.537 | | 0.37 | 50 |
| Benzene | 1.359 | 1.392 | | 2.43 | 50 |
| 1,2-Dichloroethane | 0.560 | 0.534 | | -4.64 | 50 |
| Trichloroethene | 0.339 | 0.355 | | 4.72 | 50 |
| 1,2-Dichloropropane | 0.347 | 0.352 | | 1.44 | 50 |
| Bromodichloromethane | 0.465 | 0.489 | | 5.16 | 50 |
| 4-Methyl-2-Pentanone | 0.556 | 0.477 | | -14.21 | 50 |
| Toluene | 0.853 | 0.862 | | 1.05 | 50 |
| t-1,3-Dichloropropene | 0.455 | 0.469 | | 3.08 | 50 |
| cis-1,3-Dichloropropene | 0.507 | 0.529 | | 4.34 | 50 |
| 1,1,2-Trichloroethane | 0.339 | 0.347 | | 2.36 | 50 |
| 2-Hexanone | 0.403 | 0.346 | | -14.14 | 50 |
| Dibromochloromethane | 0.326 | 0.351 | | 7.67 | 50 |
| 1,2-Dibromoethane | 0.345 | 0.357 | | 3.48 | 50 |
| Tetrachloroethene | 0.332 | 0.362 | | 9.04 | 50 |
| Chlorobenzene | 1.071 | 1.103 | 0.3 | 2.99 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/23/2024 19:49

Lab File ID: VX044492.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 1.878 | | 1.46 | 50 |
| m/p-Xylenes | 0.679 | 0.714 | | 5.16 | 50 |
| o-Xylene | 0.687 | 0.708 | | 3.06 | 50 |
| Styrene | 1.102 | 1.181 | | 7.17 | 50 |
| Bromoform | 0.219 | 0.245 | 0.1 | 11.87 | 50 |
| Isopropylbenzene | 3.828 | 3.728 | | -2.61 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.329 | 1.216 | 0.3 | -8.5 | 50 |
| 1,3-Dichlorobenzene | 1.621 | 1.672 | | 3.15 | 50 |
| 1,4-Dichlorobenzene | 1.667 | 1.677 | | 0.6 | 50 |
| 1,2-Dichlorobenzene | 1.684 | 1.667 | | -1.01 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.258 | 0.216 | | -16.28 | 50 |
| 1,2,4-Trichlorobenzene | 0.923 | 0.999 | | 8.23 | 50 |
| 1,2,3-Trichlorobenzene | 0.979 | 1.021 | | 4.29 | 50 |
| 1,2-Dichloroethane-d4 | 0.877 | 0.643 | | -26.68 | 50 |
| Dibromofluoromethane | 0.346 | 0.316 | | -8.67 | 50 |
| Toluene-d8 | 1.168 | 1.039 | | -11.05 | 50 |
| 4-Bromofluorobenzene | 0.408 | 0.358 | | -12.26 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VX044492.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 142062 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 233398 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 200491 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 97321 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 91340 | 36.671 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 73.340%# | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 73837 | 45.677 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 91.360% | | |
| 50) Toluene-d8 | 8.647 | 98 | 242389 | 44.446 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 88.900% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 83671 | 43.908 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 87.820% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 99403 | 45.252 | ug/l | 99 |
| 3) Chloromethane | 1.295 | 50 | 96315 | 45.851 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 97827 | 44.703 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 66434 | 42.791 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 62749 | 46.048 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 151860 | 35.446 | ug/l | 98 |
| 8) Diethyl Ether | 2.130 | 74 | 57535 | 39.343 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 78265 | 45.146 | ug/l | 92 |
| 10) Methyl Iodide | 2.447 | 142 | 114488 | 50.107 | ug/l | 94 |
| 11) Tert butyl alcohol | 2.996 | 59 | 70521 | 200.889 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 75484 | 47.404 | ug/l | 91 |
| 13) Acrolein | 2.233 | 56 | 92120 | 181.285 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 118303 | 44.605 | ug/l | 98 |
| 15) Acrylonitrile | 3.063 | 53 | 200626 | 206.319 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 178267 | 175.552 | ug/l | 97 |
| 17) Carbon Disulfide | 2.508 | 76 | 139644 | 46.135 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 104075 | 39.750 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 262040 | 42.170 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 88543 | 46.423 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 77251 | 45.648 | ug/l | 93 |
| 22) Diisopropyl ether | 3.758 | 45 | 259272 | 43.412 | ug/l | 95 |
| 23) Vinyl Acetate | 3.715 | 43 | 1084781 | 223.409 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 150456 | 45.194 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 271591 | 188.131 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 119970 | 44.358 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 96440 | 44.871 | ug/l | 95 |
| 28) Bromochloromethane | 4.892 | 49 | 64763 | 39.671 | ug/l | 94 |
| 29) Tetrahydrofuran | 5.001 | 42 | 173821 | 187.586 | ug/l | 98 |
| 30) Chloroform | 5.093 | 83 | 162393 | 43.416 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 115044 | 42.794 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 140086 | 45.118 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 101604 | 48.625 | ug/l | 98 |
| 37) Ethyl Acetate | 4.715 | 43 | 109126 | 42.249 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 111385 | 49.513 | ug/l | 98 |
| 39) Methylcyclohexane | 7.373 | 83 | 125247 | 50.139 | ug/l | 96 |
| 40) Benzene | 6.032 | 78 | 325004 | 51.229 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 58306 | 42.511 ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 124536 | 47.653 ug/l | | 98 |
| 43) Isopropyl Acetate | 6.336 | 43 | 177770 | 44.034 ug/l | | 97 |
| 44) Trichloroethene | 7.117 | 130 | 82827 | 52.353 ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 82109 | 50.659 ug/l | | 99 |
| 46) Dibromomethane | 7.580 | 93 | 64127 | 50.998 ug/l | | 94 |
| 47) Bromodichloromethane | 7.818 | 83 | 114072 | 52.527 ug/l | | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 85907 | 43.837 ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 31930 | 982.728 ug/l | | 92 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 556283 | 214.305 ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 201289 | 50.524 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 109547 | 47.186 ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 123531 | 52.242 ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 80941 | 51.140 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 118479 | 47.418 ug/l | | 97 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 134913 | 48.972 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 263448 | 209.048 ug/l | | 98 |
| 59) 2-Hexanone | 9.427 | 43 | 403537 | 214.776 ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 81910 | 48.943 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 83250 | 51.675 ug/l | | 96 |
| 64) Tetrachloroethene | 9.269 | 164 | 72600 | 54.558 ug/l | | 96 |
| 65) Chlorobenzene | 10.080 | 112 | 221119 | 51.470 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 75407 | 54.615 ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 376573 | 50.731 ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 286106 | 105.040 ug/l | | 94 |
| 69) o-Xylene | 10.640 | 106 | 142004 | 51.527 ug/l | | 94 |
| 70) Styrene | 10.653 | 104 | 236734 | 53.584 ug/l | | 95 |
| 71) Bromoform | 10.799 | 173 | 49054 | 50.746 ug/l | # | 99 |
| 73) Isopropylbenzene | 10.958 | 105 | 362803 | 48.696 ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 152291 | 44.229 ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 118300 | 45.716 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 95824m | 44.099 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 91156 | 50.455 ug/l | | 94 |
| 78) n-propylbenzene | 11.299 | 91 | 412127 | 50.048 ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 251412 | 47.209 ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.445 | 105 | 300384 | 48.618 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 30857 | 41.730 ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 283625 | 48.094 ug/l | | 97 |
| 83) tert-Butylbenzene | 11.713 | 119 | 306541 | 50.203 ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 305617 | 50.368 ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 367512 | 49.579 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 309480 | 50.162 ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 162721 | 51.562 ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 163225 | 50.314 ug/l | | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 259880 | 50.094 ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 46945 | 52.126 ug/l | | 91 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 162236 | 49.511 ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 21028 | 41.860 ug/l | | 88 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 97256 | 54.137 ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 40220 | 55.660 ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 321843 | 45.897 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 99323 | 52.126 ug/l | | 98 |

Sample Results: **VX044492.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

Sample Results: **VX044492.D**

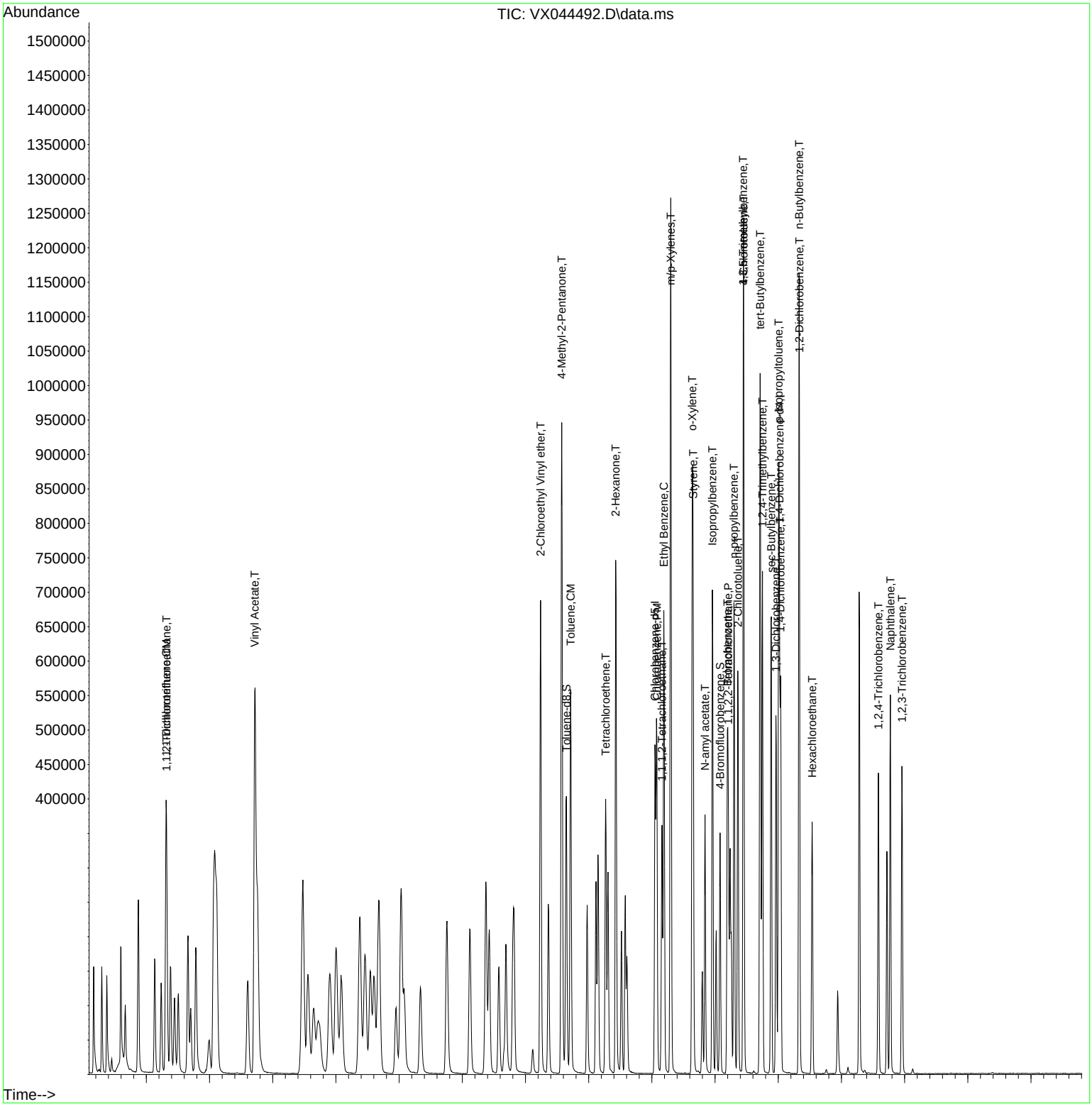
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

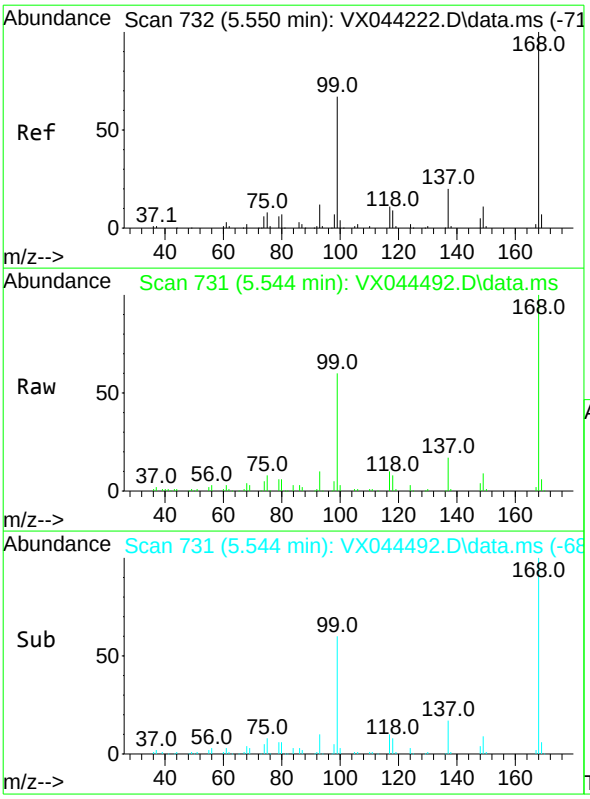
Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

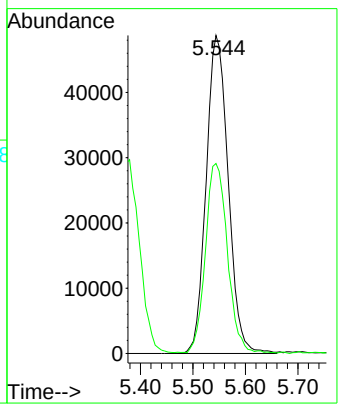





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:168 Resp: 142062

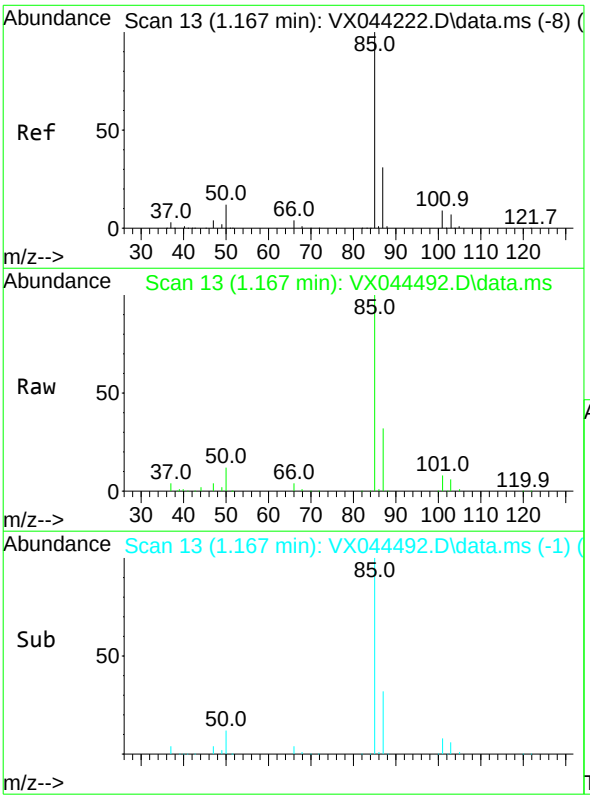
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.6 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

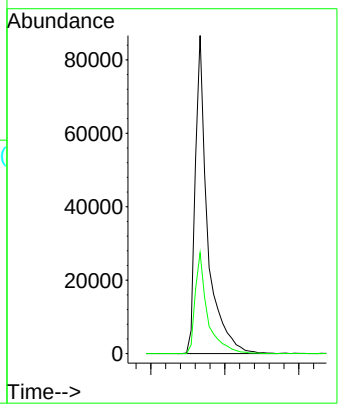
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

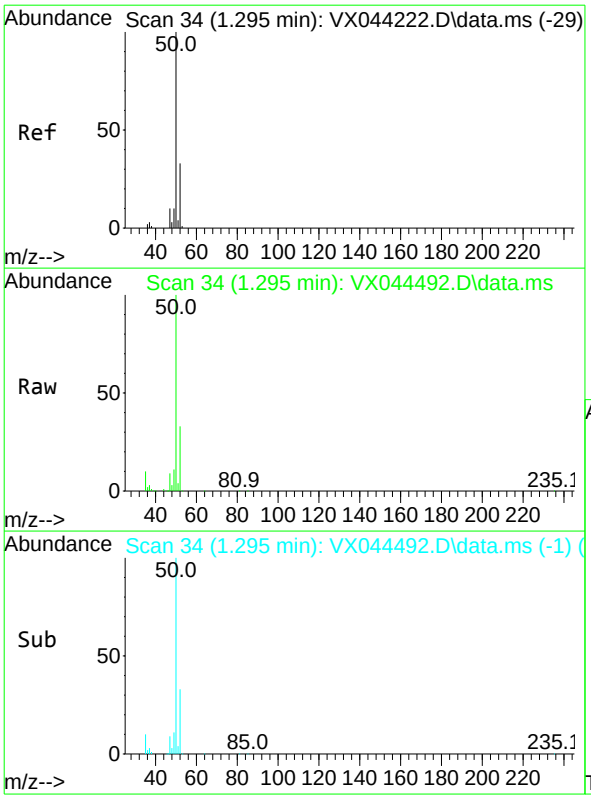



#2
Dichlorodifluoromethane
Concen: 45.252 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 85 Resp: 99403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.4 | 46.4 |

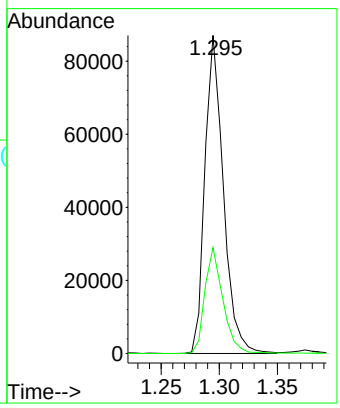





#3
Chloromethane
Concen: 45.851 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 50 Resp: 96315

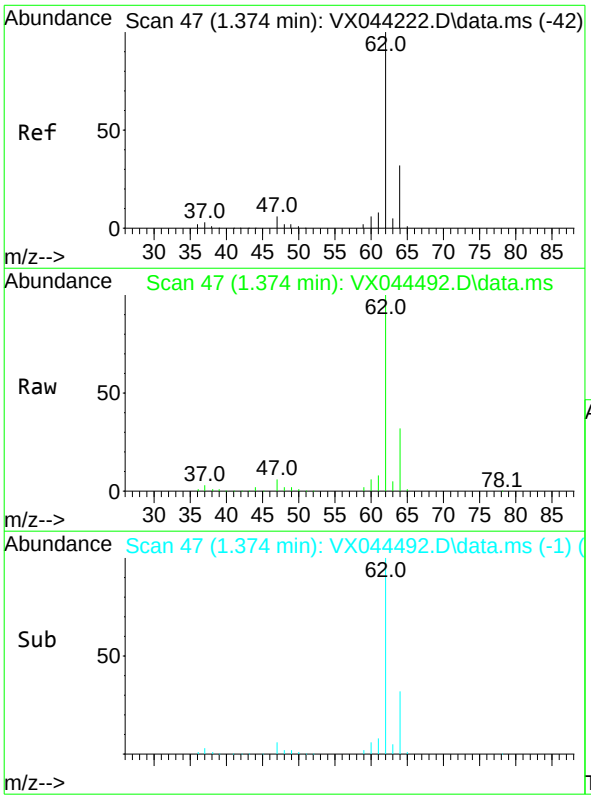
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.3 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

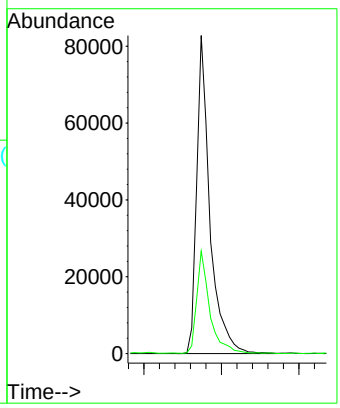
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

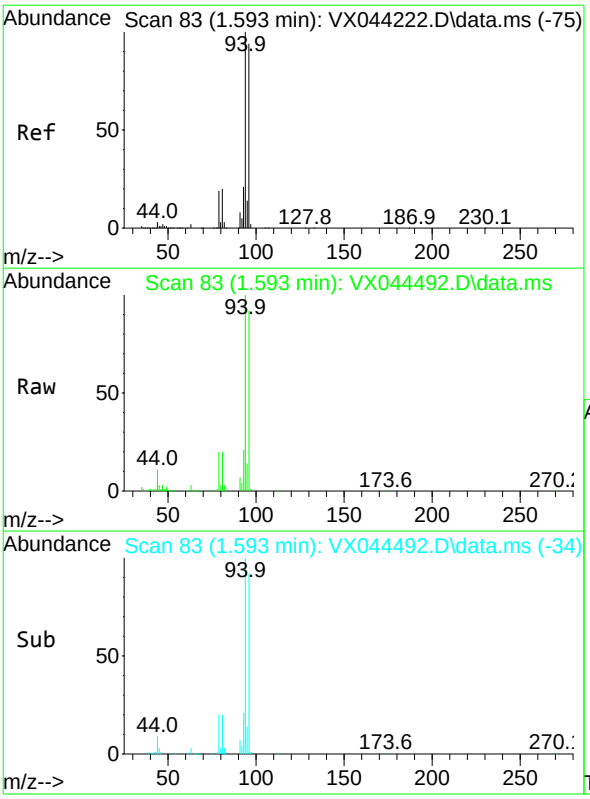



#4
Vinyl Chloride
Concen: 44.703 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 62 Resp: 97827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.2 | 25.7 | 38.5 |

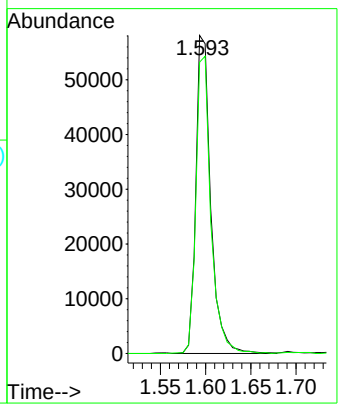





#5
Bromomethane
Concen: 42.791 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 94 Resp: 66434

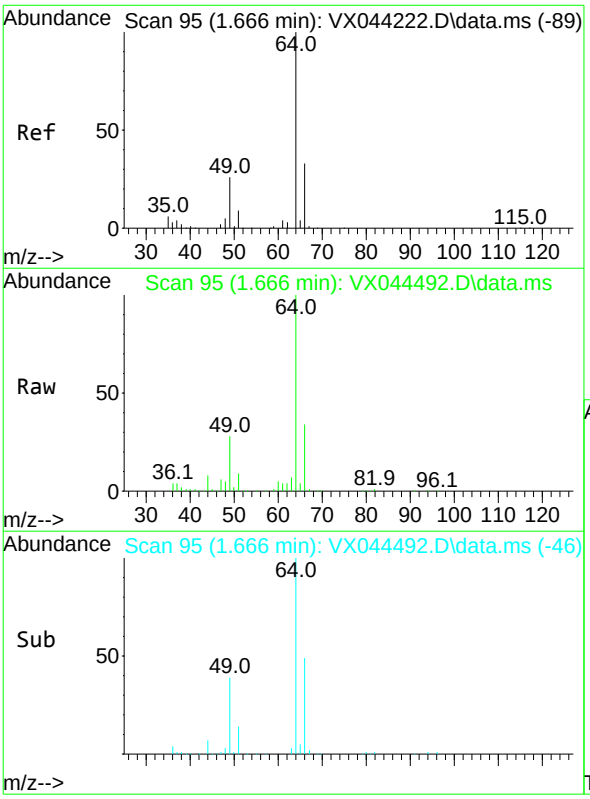
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.4 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

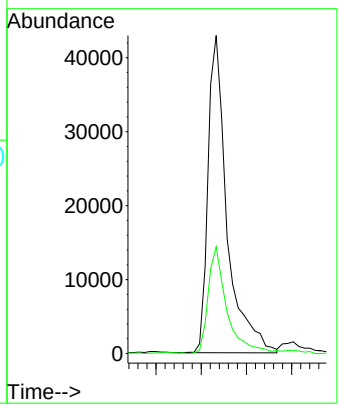
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

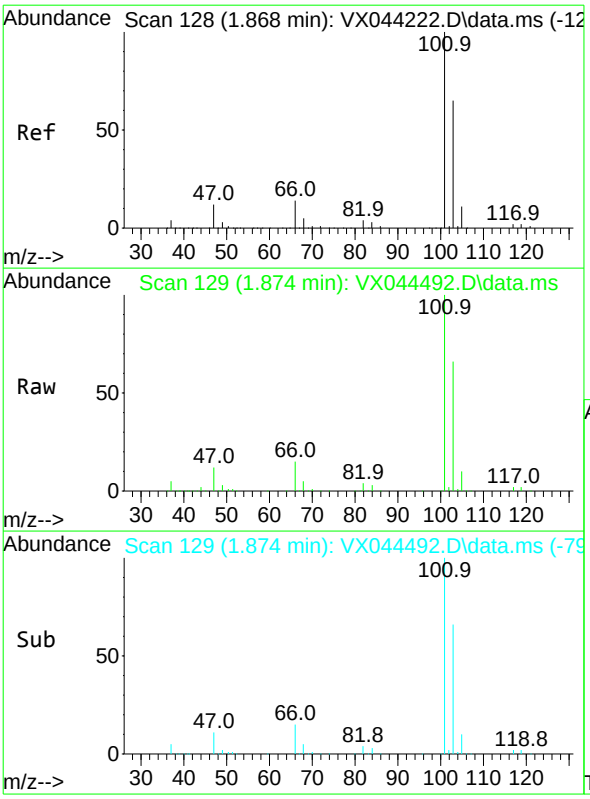



#6
Chloroethane
Concen: 46.048 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 64 Resp: 62749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.5 | 26.6 | 39.8 |

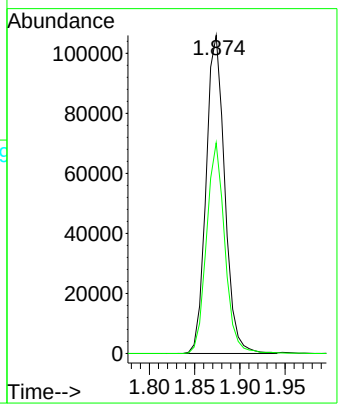





#7
Trichlorofluoromethane
Concen: 35.446 ug/l
RT: 1.874 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:101 Resp: 151860

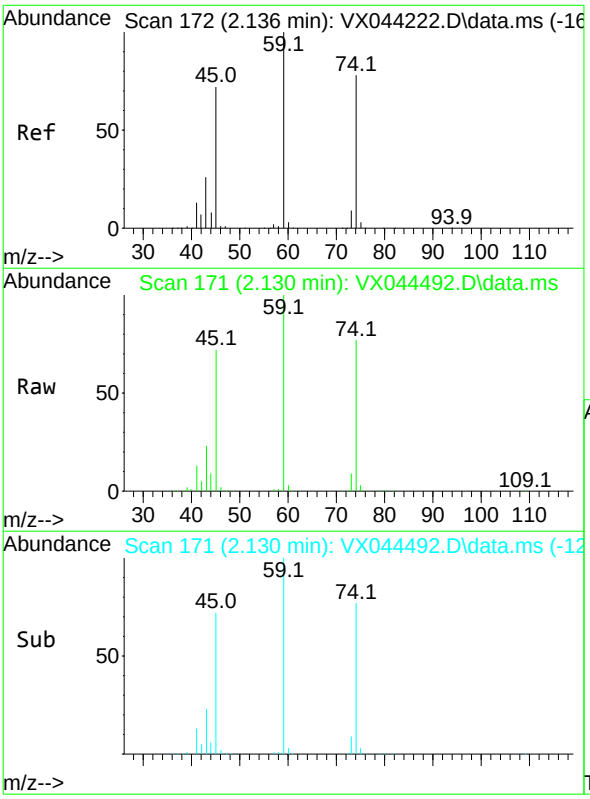
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.2 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

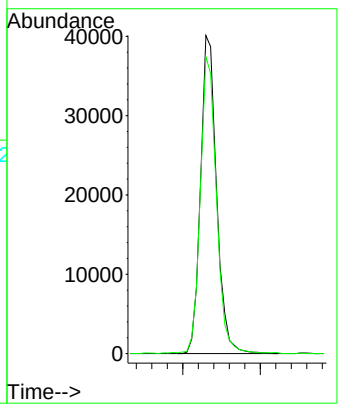
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

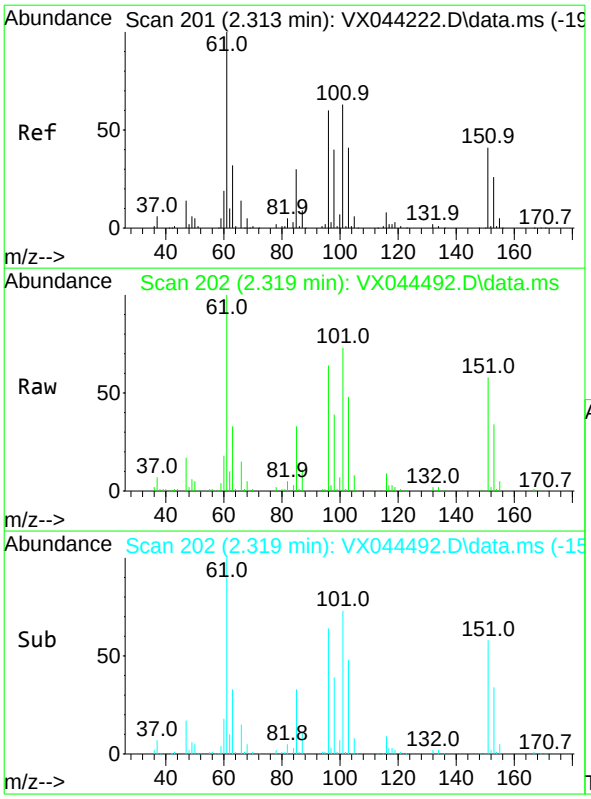



#8
Diethyl Ether
Concen: 39.343 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 74 Resp: 57535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 94.4 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.146 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

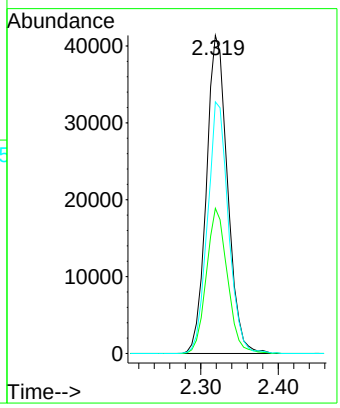
Tgt Ion:101 Resp: 78265

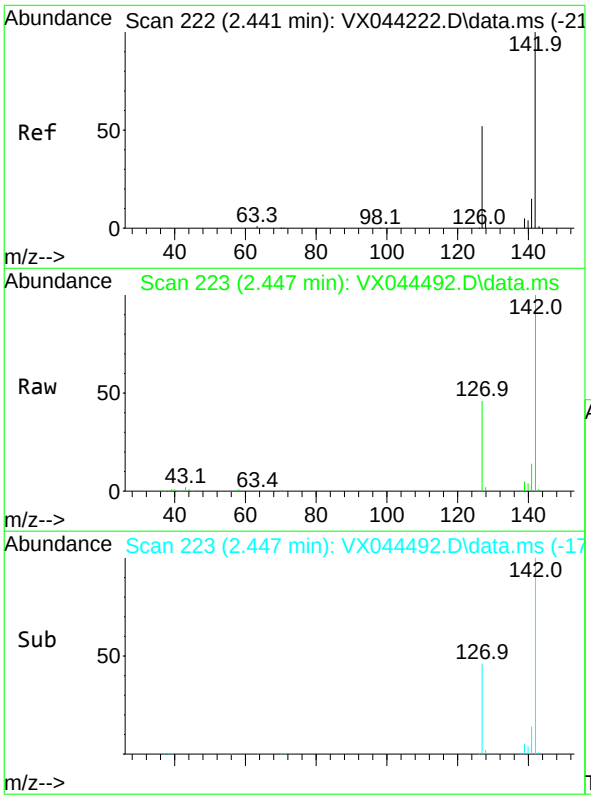
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.3 | 38.5 | 57.7 |
| 151 | 78.3 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

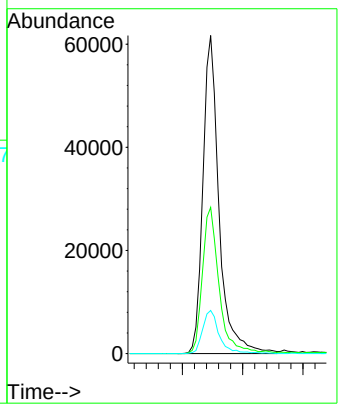


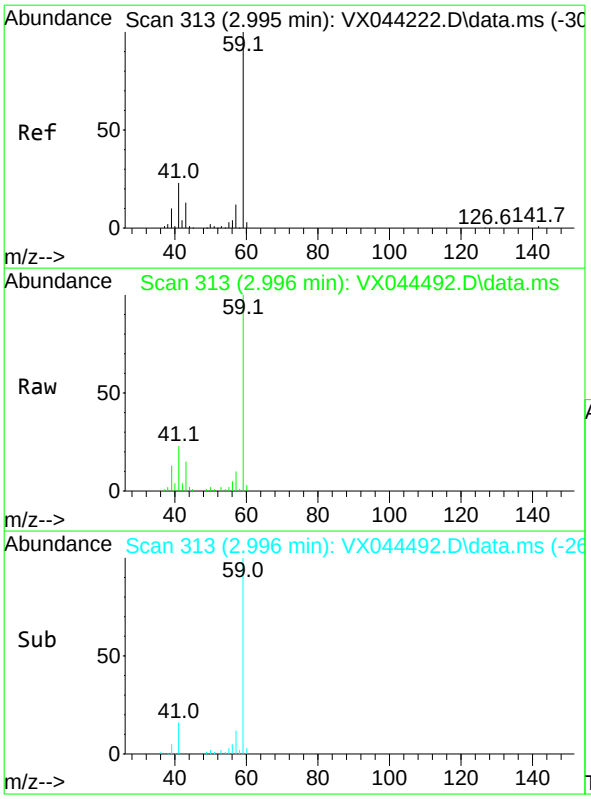




#10
Methyl Iodide
Concen: 50.107 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:142 Resp: 114488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.2 | 41.8 | 62.8 |
| 141 | 14.1 | 11.5 | 17.3 |

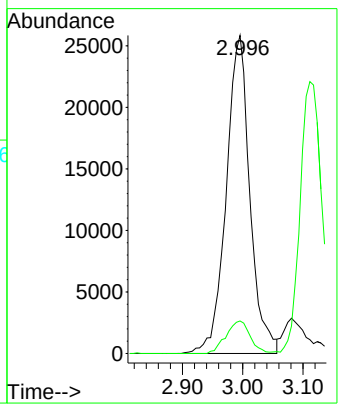





#11
Tert butyl alcohol
Concen: 200.889 ug/l
RT: 2.996 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 59 Resp: 70521

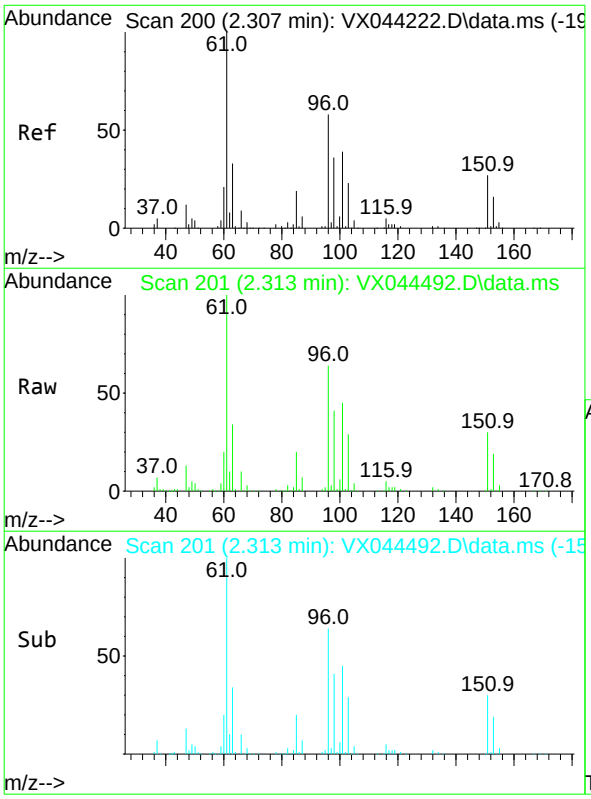
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

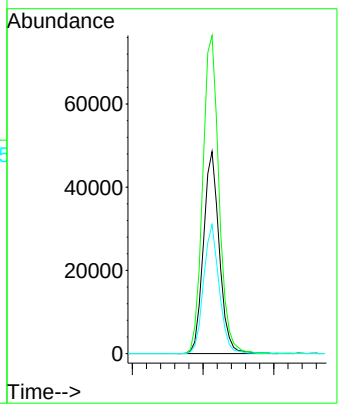
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

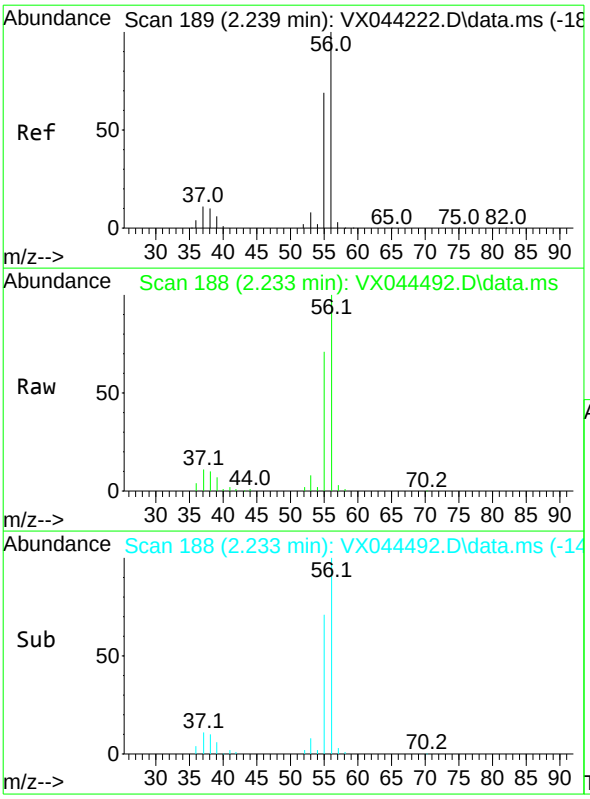



#12
1,1-Dichloroethene
Concen: 47.404 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 96 Resp: 75484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 157.4 | 138.0 | 207.0 |
| 98 | 63.9 | 50.0 | 75.0 |






#13
Acrolein
Concen: 181.285 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

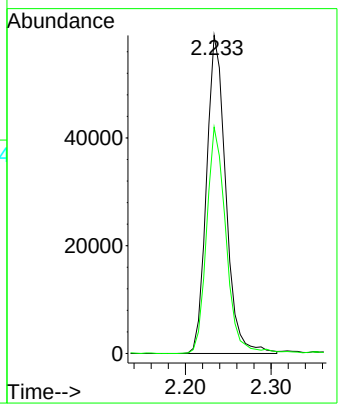
Tgt Ion: 56 Resp: 92120

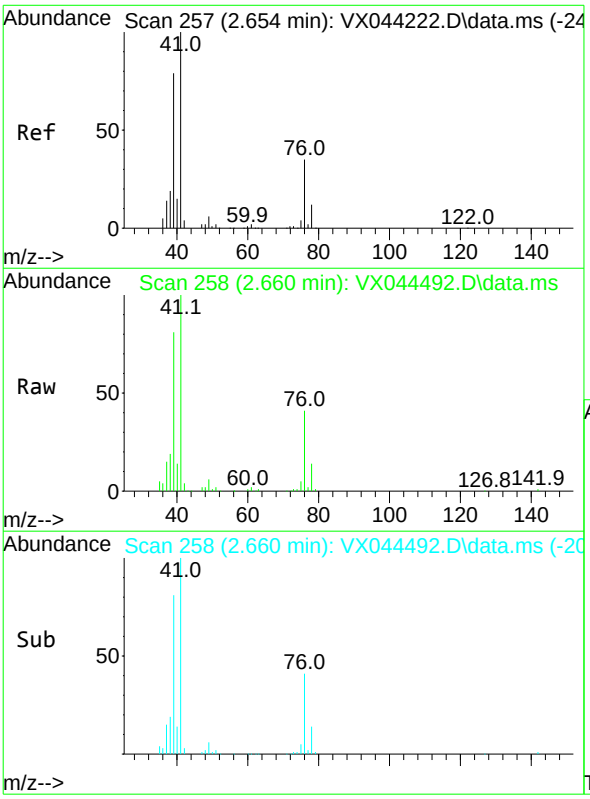
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.8 | 56.6 | 84.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

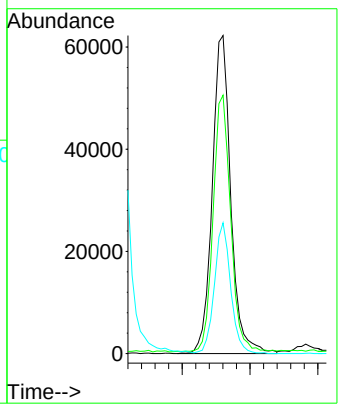


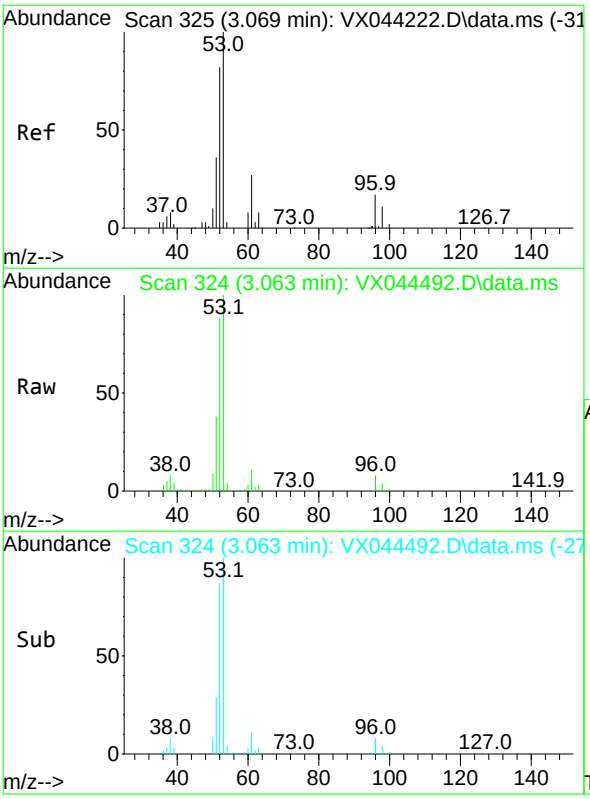




#14
Allyl chloride
Concen: 44.605 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 41 Resp: 118303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.1 | 61.9 | 92.9 |
| 76 | 36.0 | 27.4 | 41.2 |

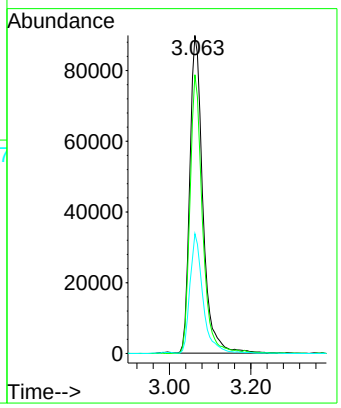





#15
Acrylonitrile
Concen: 206.319 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 53 Resp: 200626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.5 | 67.4 | 101.0 |
| 51 | 37.1 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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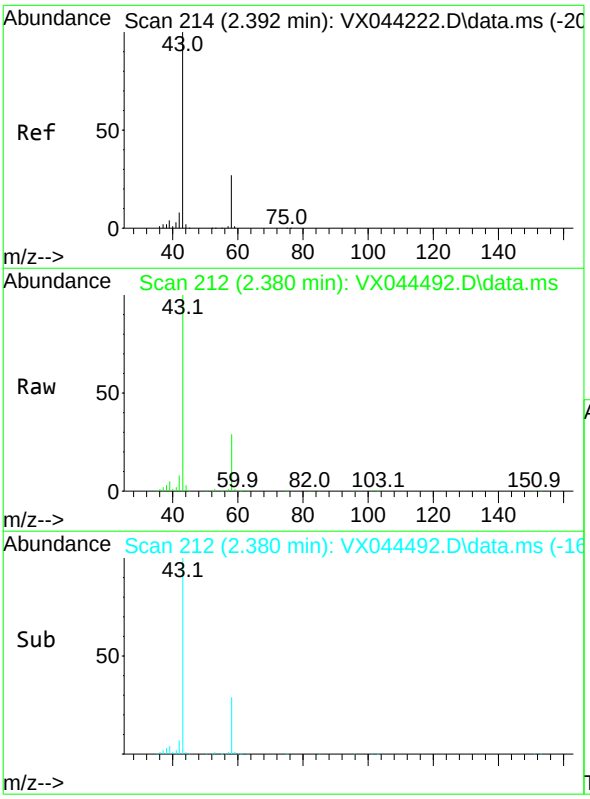
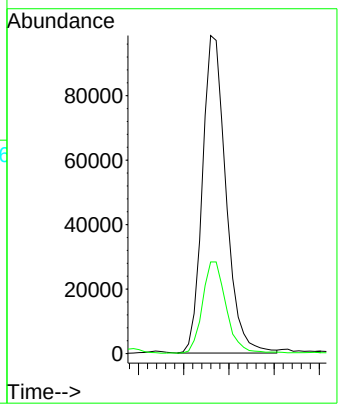
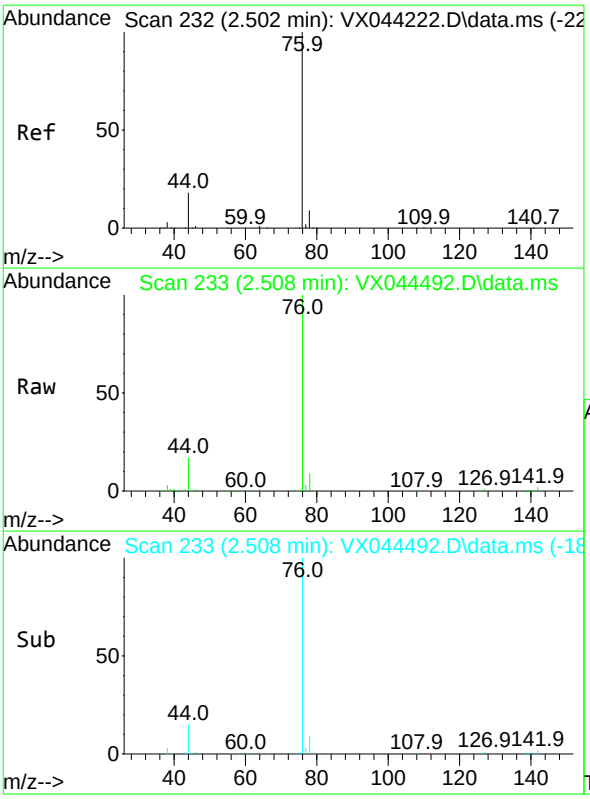



#16
Acetone
Concen: 175.552 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 178267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 21.6 | 32.4 |

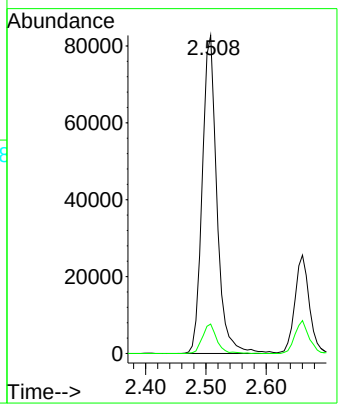





#17
Carbon Disulfide
Concen: 46.135 ug/l
RT: 2.508 min Scan# 23
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 76 Resp: 139644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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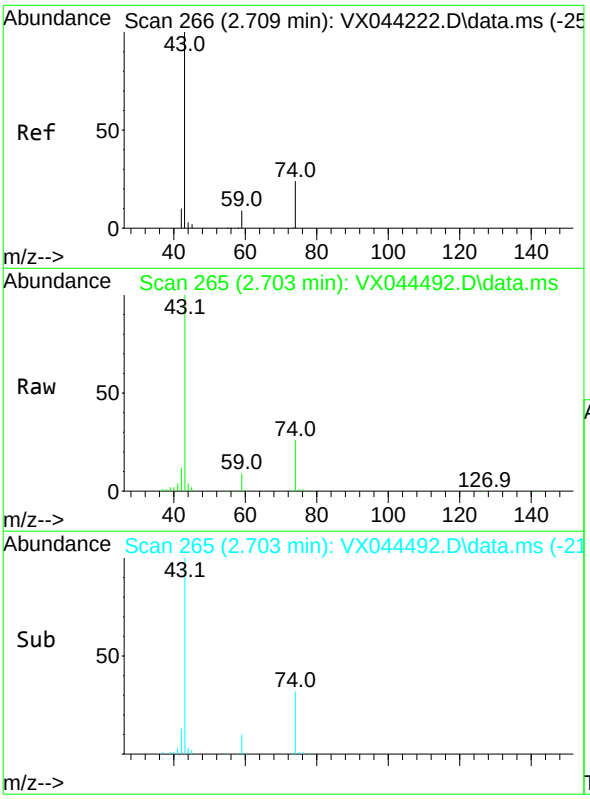
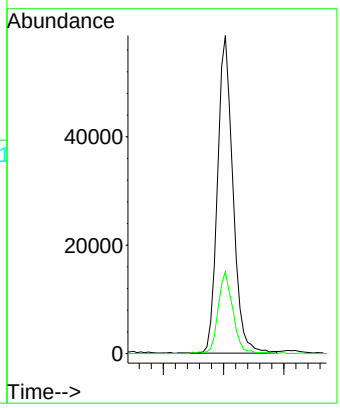
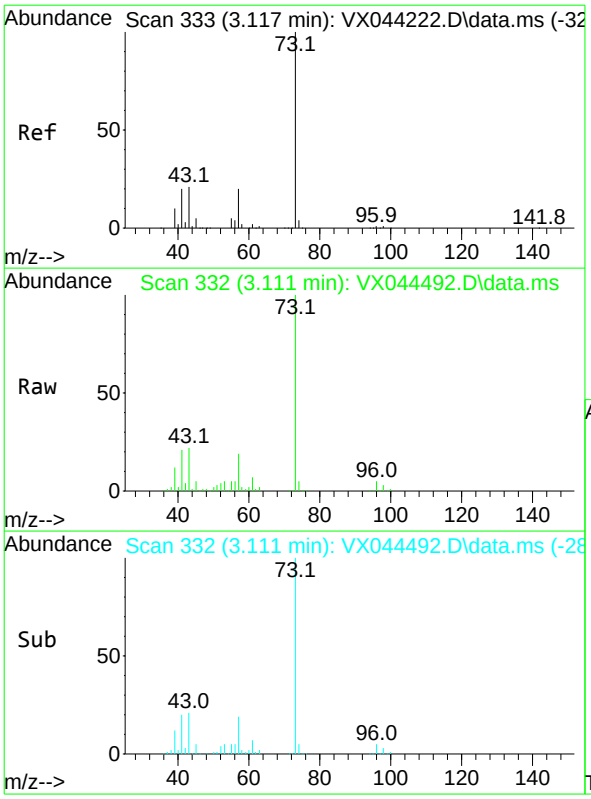



#18
Methyl Acetate
Concen: 39.750 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 104075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.9 | 17.7 | 26.5 |

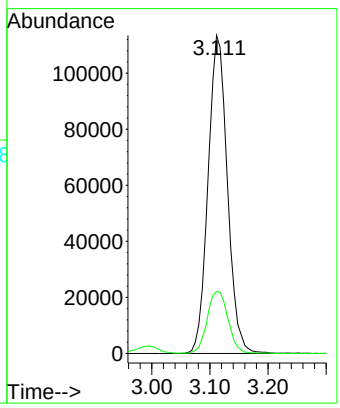





#19
Methyl tert-butyl Ether
Concen: 42.170 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 73 Resp: 262040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.5 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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Reviewed By :John Carlone 12/26/2024
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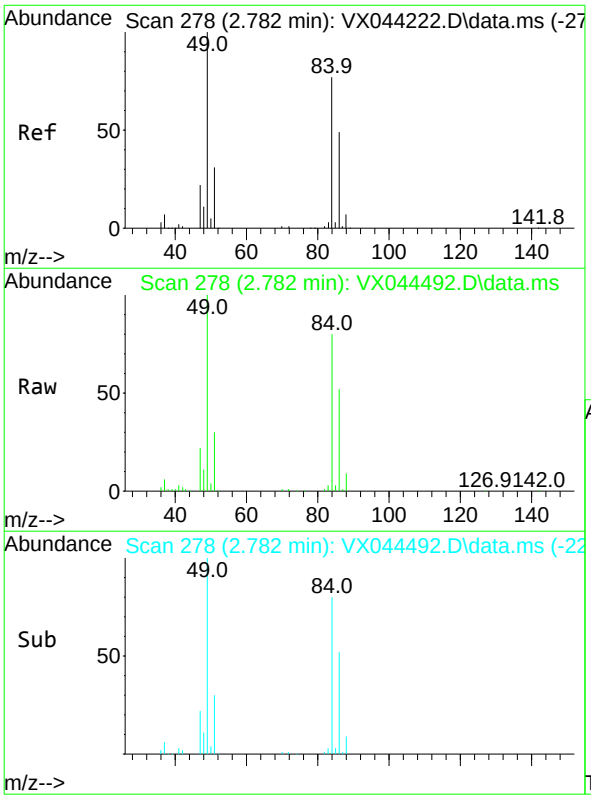
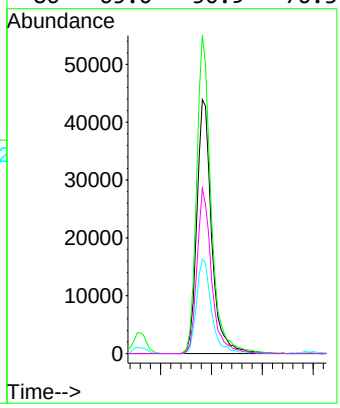
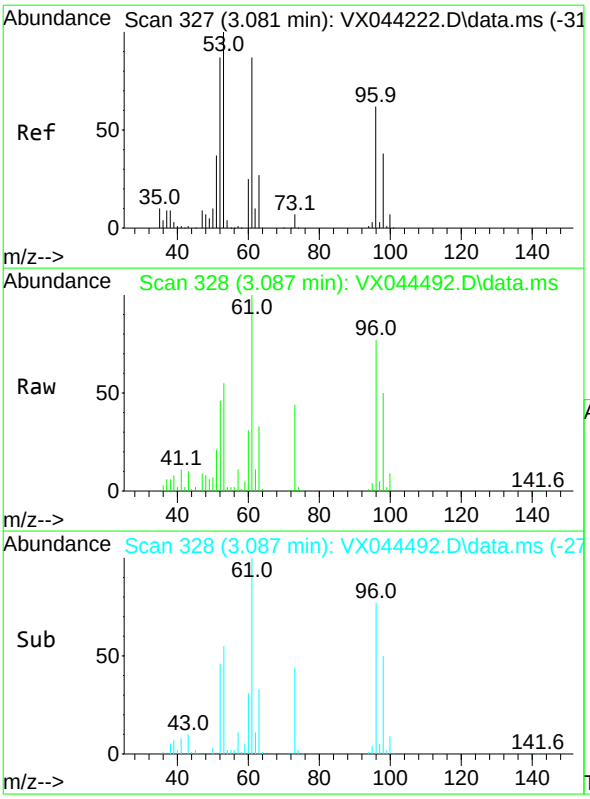



#20
Methylene Chloride
Concen: 46.423 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 84 Resp: 88543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.3 | 104.2 | 156.4 |
| 51 | 37.2 | 32.2 | 48.4 |
| 86 | 65.0 | 50.9 | 76.3 |






#21
trans-1,2-Dichloroethene
Concen: 45.648 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 96 Resp: 77251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.2 | 112.0 | 168.0 |
| 98 | 65.4 | 48.8 | 73.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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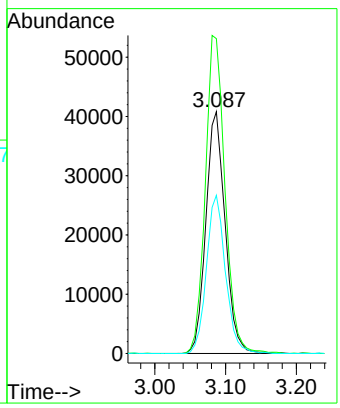
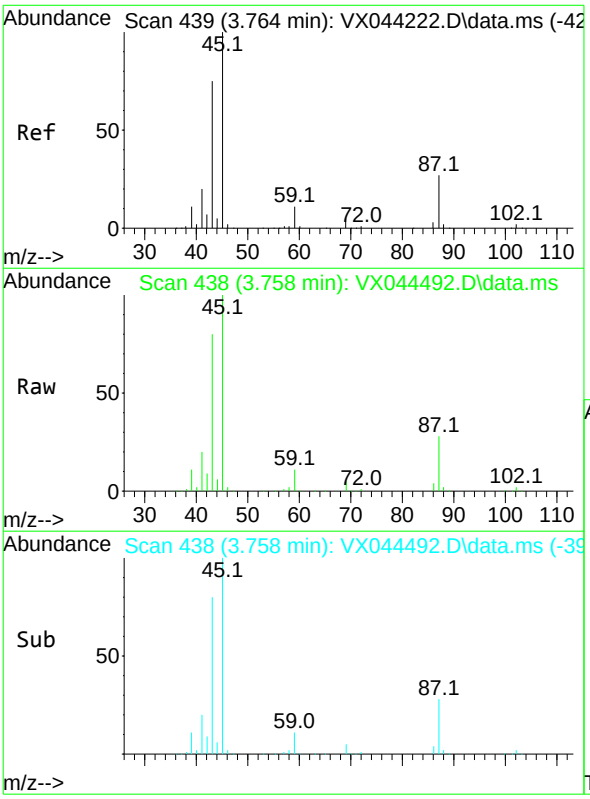
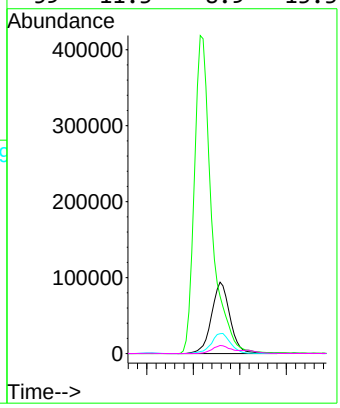


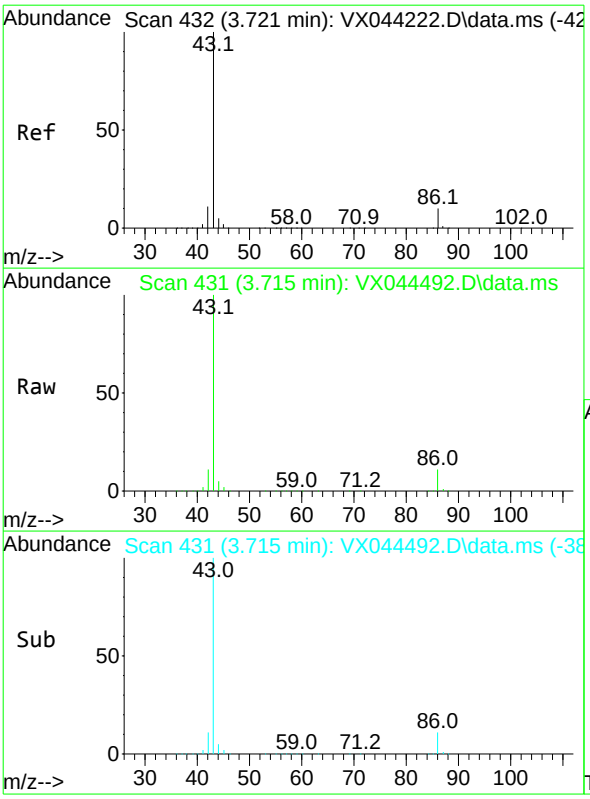




#22
Diisopropyl ether
Concen: 43.412 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 45 Resp: 259272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 80.2 | 60.2 | 90.2 |
| 87 | 27.9 | 21.2 | 31.8 |
| 59 | 11.3 | 8.9 | 13.3 |

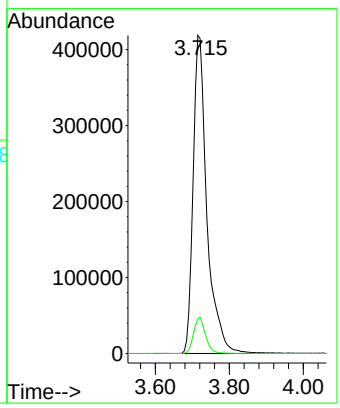





#23
Vinyl Acetate
Concen: 223.409 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 1084781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 8.2 | 12.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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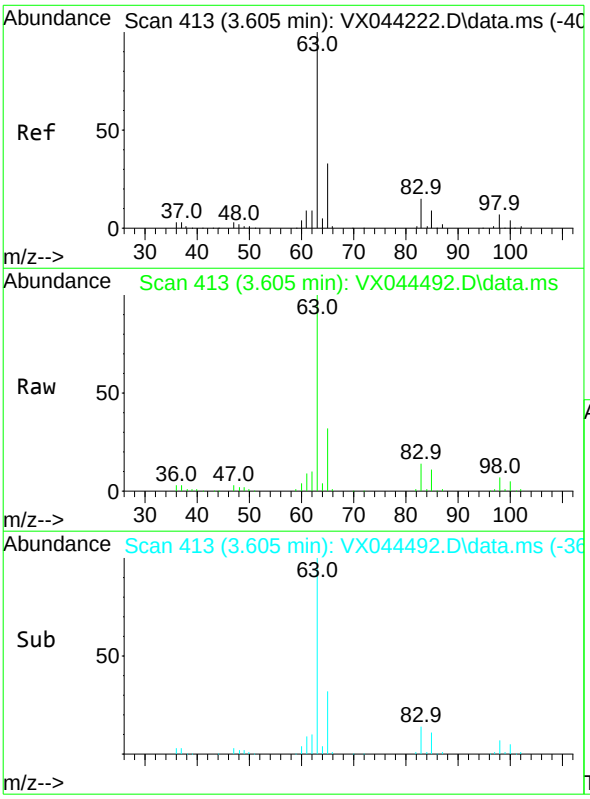
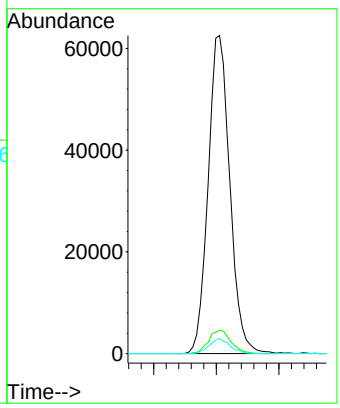
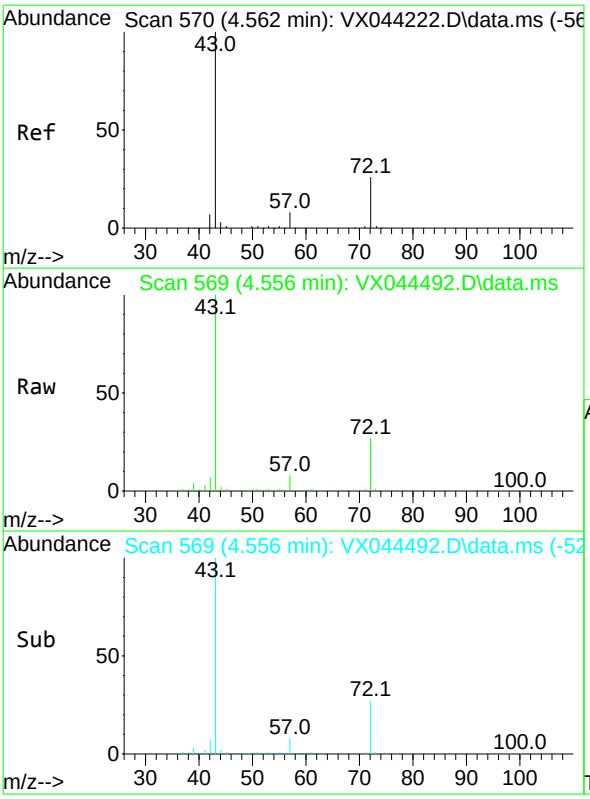



#24
1,1-Dichloroethane
Concen: 45.194 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 63 Resp: 150456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.6 | 10.8 |
| 100 | 4.8 | 2.1 | 6.3 |

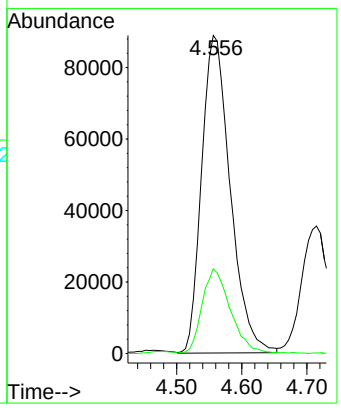





#25
2-Butanone
Concen: 188.131 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 271591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.5 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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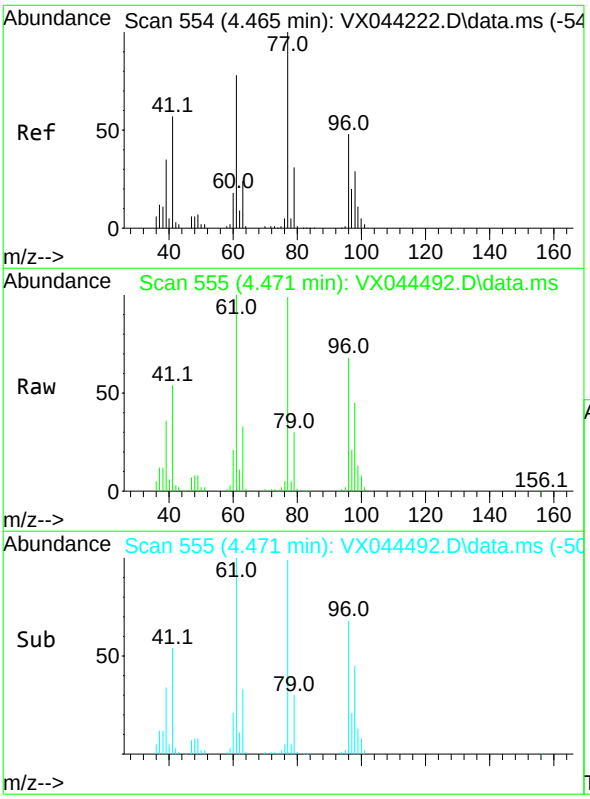
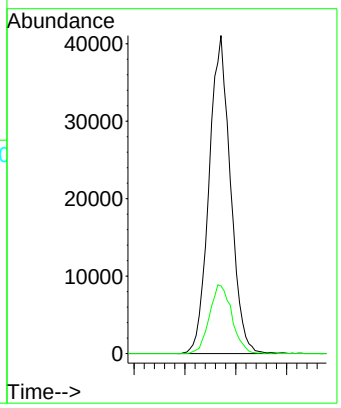
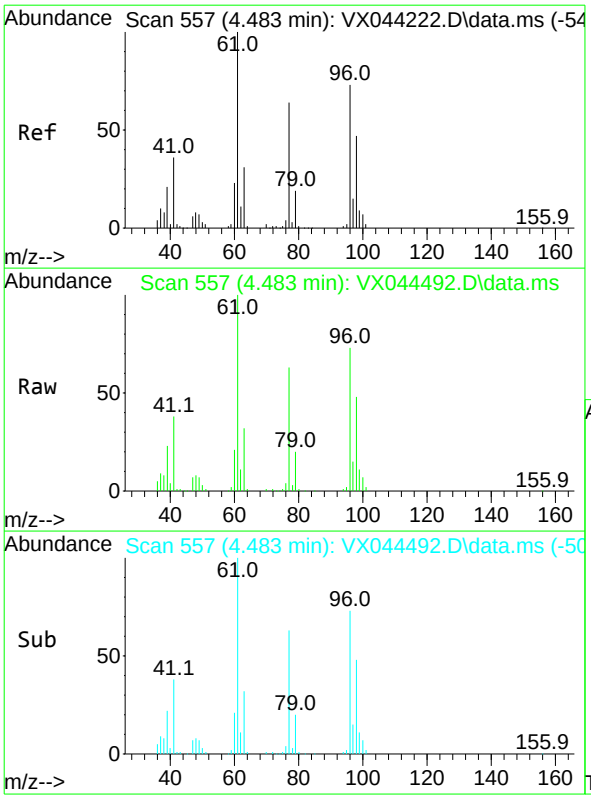



#26
2,2-Dichloropropane
Concen: 44.358 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 77 Resp: 119970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.6 | 10.7 | 32.1 |






#27
cis-1,2-Dichloroethene
Concen: 44.871 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 96 Resp: 96440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.1 | 0.0 | 299.0 |
| 98 | 66.0 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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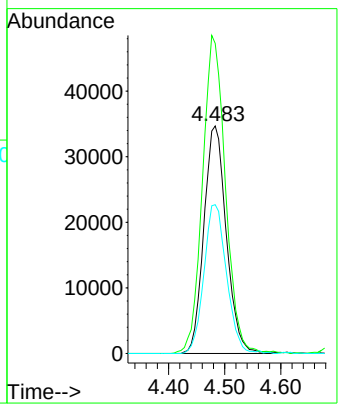
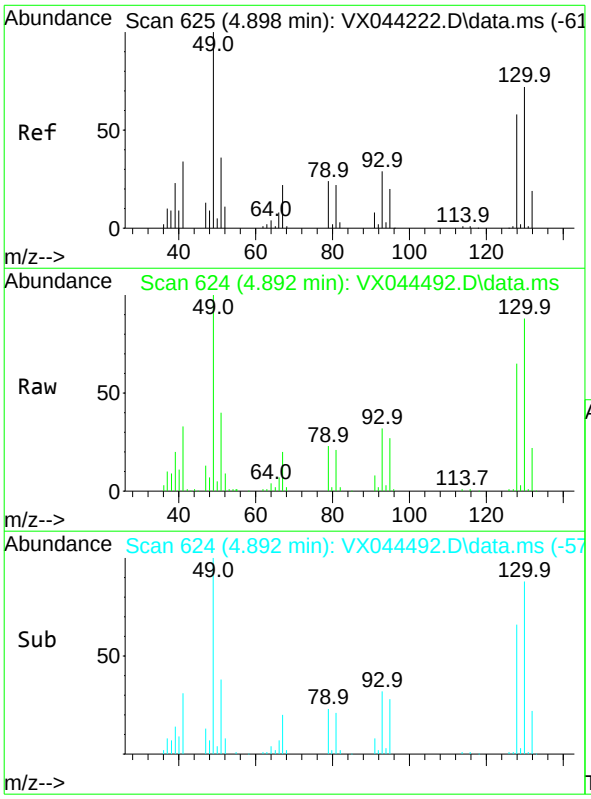
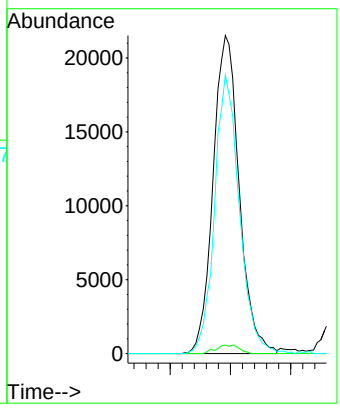


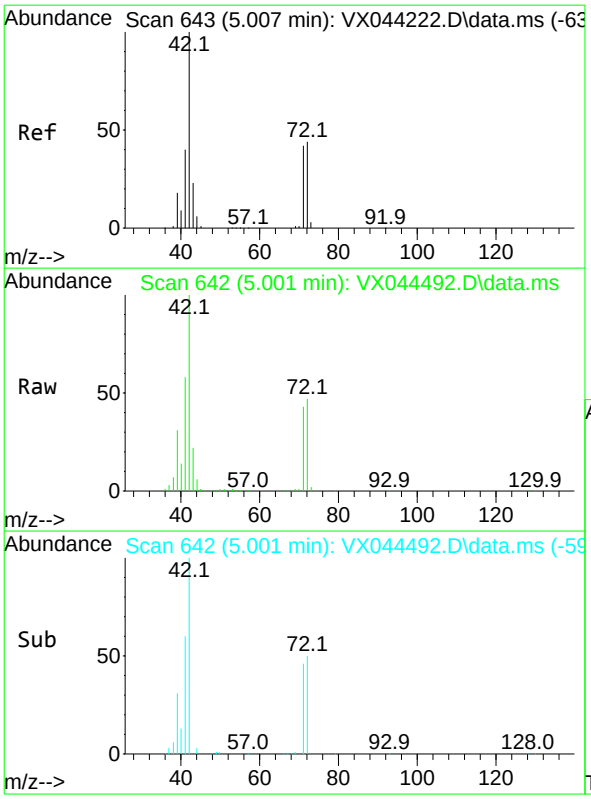




#28
Bromochloromethane
Concen: 39.671 ug/l
RT: 4.892 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 49 Resp: 64763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.4 | 0.0 | 4.2 |
| 130 | 83.3 | 62.1 | 93.1 |






#29
Tetrahydrofuran
Concen: 187.586 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

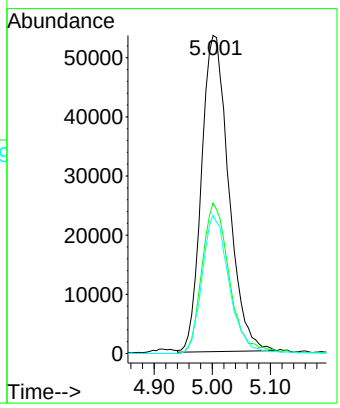
Tgt Ion: 42 Resp: 173821

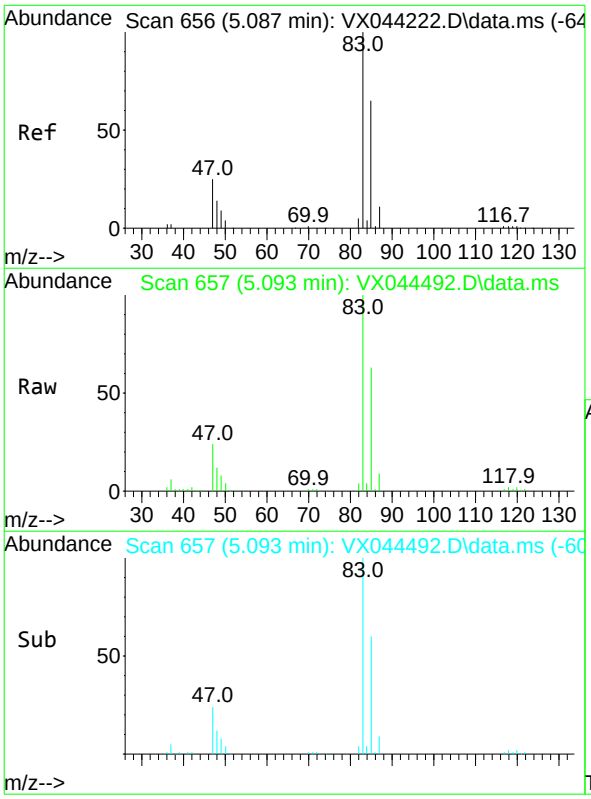
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.0 | 37.0 | 55.6 |
| 71 | 43.3 | 33.6 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

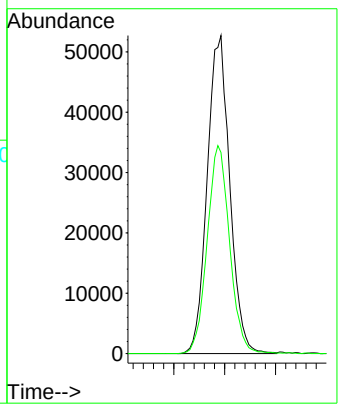


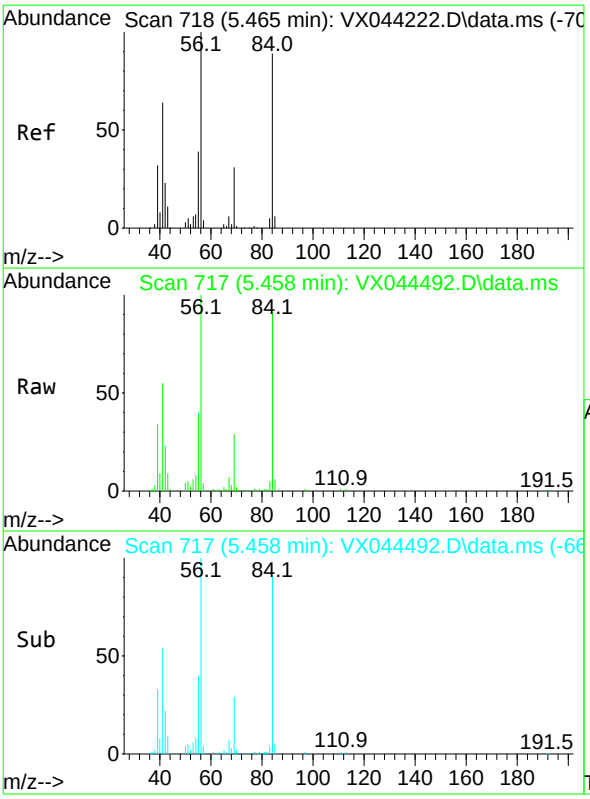




#30
Chloroform
Concen: 43.416 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 83 Resp: 162393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 42.794 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 56 Resp: 115044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.7 | 24.7 | 37.1 |
| 84 | 88.9 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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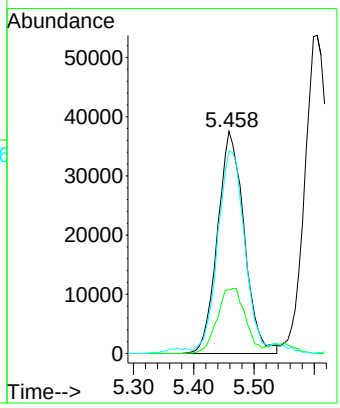
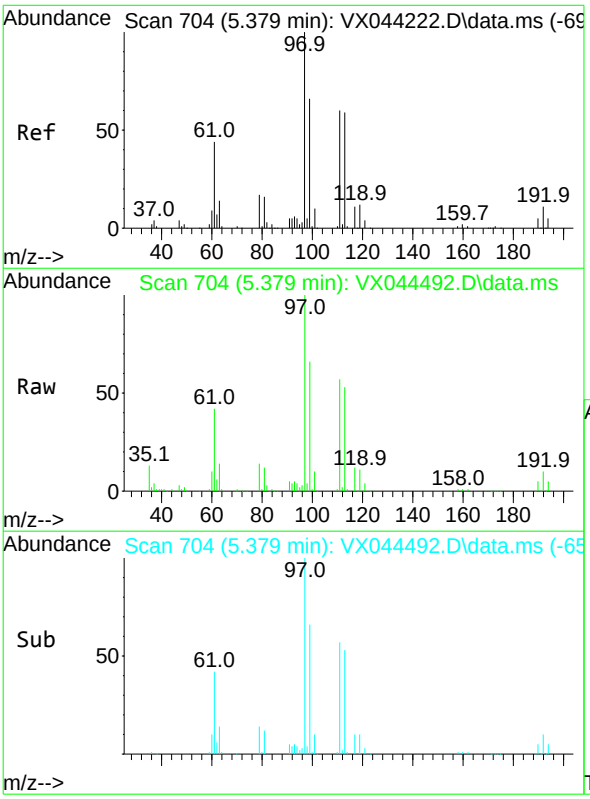
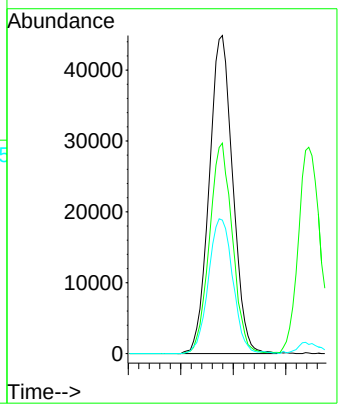


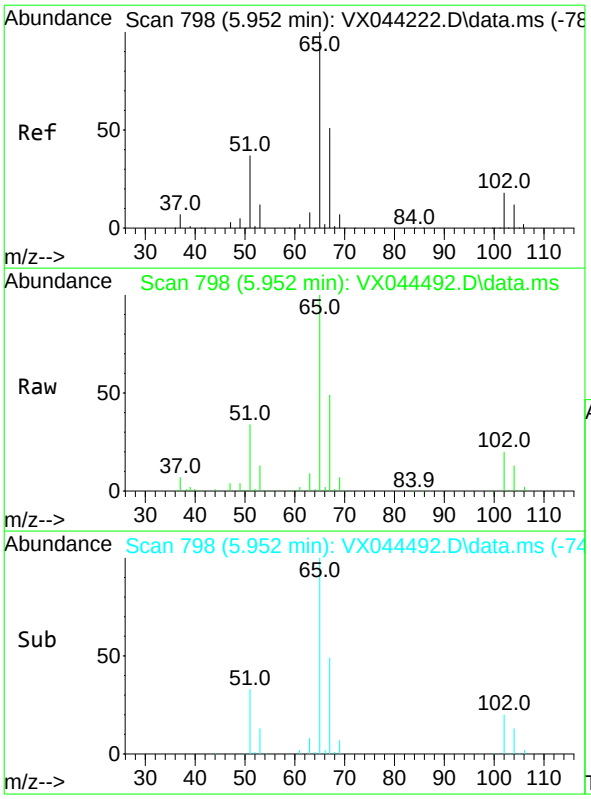




#32
1,1,1-Trichloroethane
Concen: 45.118 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 97 Resp: 140086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 50.8 | 76.2 |
| 61 | 43.9 | 35.2 | 52.8 |

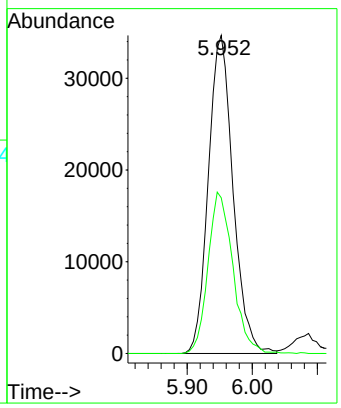





#33
1,2-Dichloroethane-d4
Concen: 36.671 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 65 Resp: 91340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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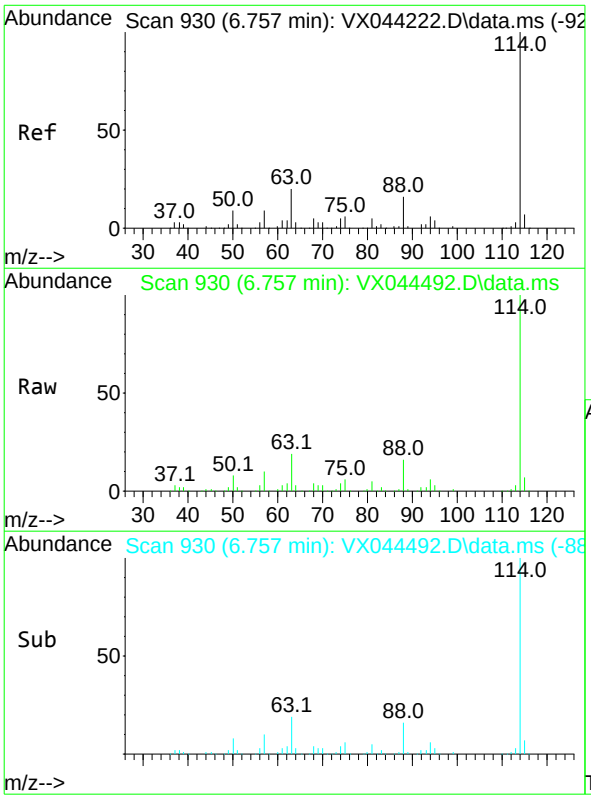
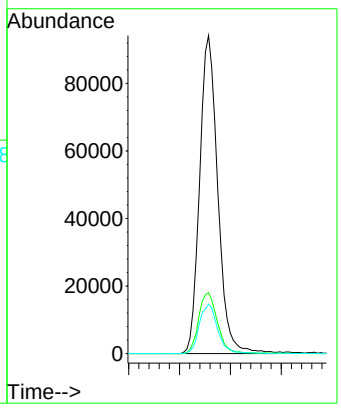
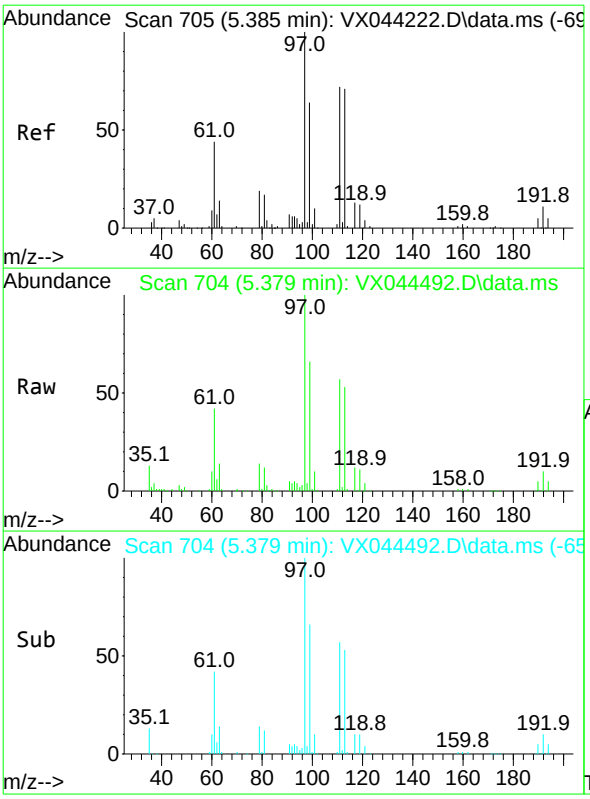



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:114 Resp: 233398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 40.6 |
| 88 | 15.6 | 0.0 | 31.8 |






#35
Dibromofluoromethane
Concen: 45.677 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 73837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 80.4 | 120.6 |
| 192 | 18.9 | 13.3 | 19.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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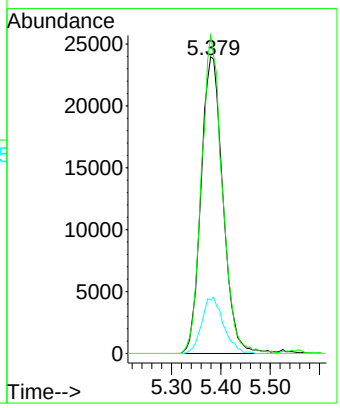
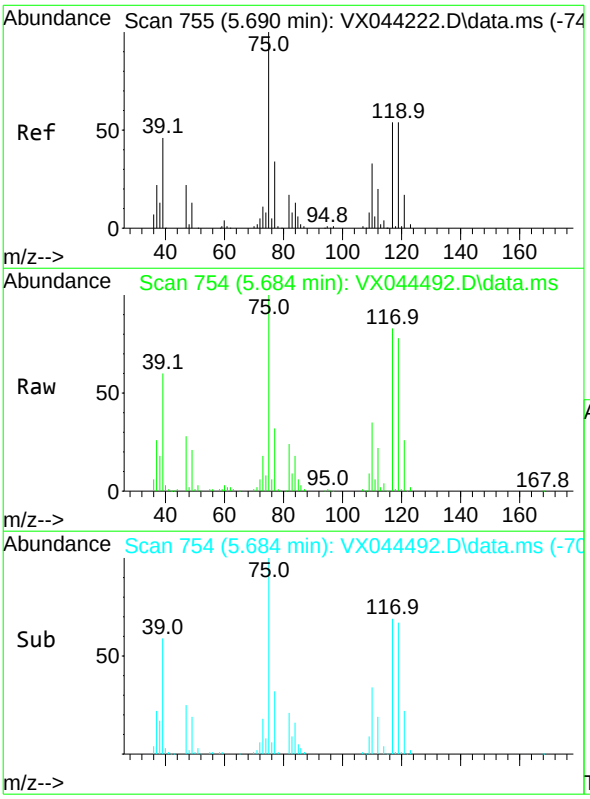
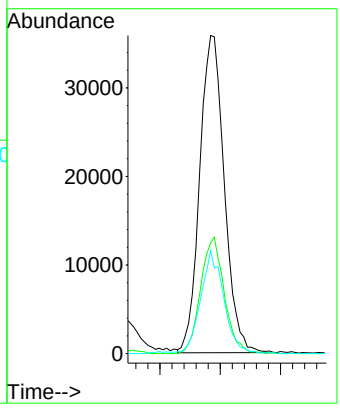


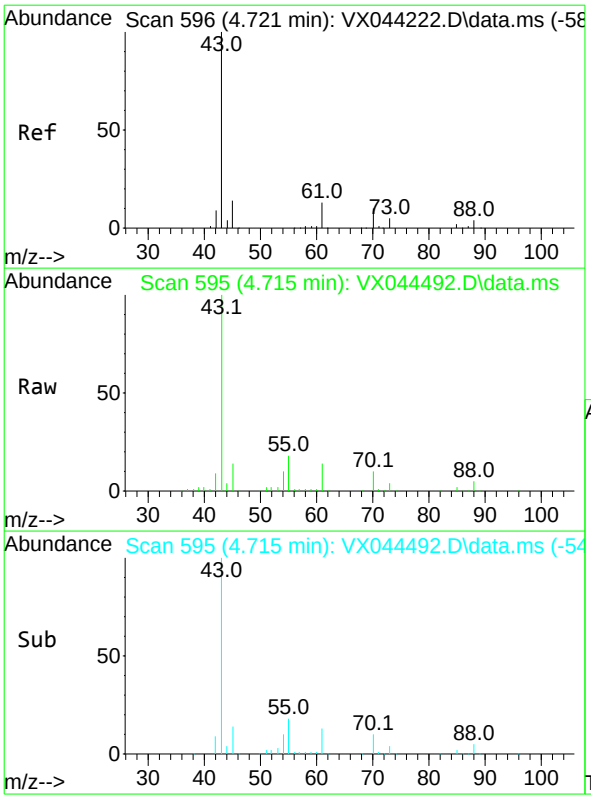




#36
1,1-Dichloropropene
Concen: 48.625 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 75 Resp: 101604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.3 | 17.3 | 51.7 |
| 77 | 29.8 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 42.249 ug/l
RT: 4.715 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 109126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.5 | 9.8 | 14.8 |
| 70 | 10.3 | 7.7 | 11.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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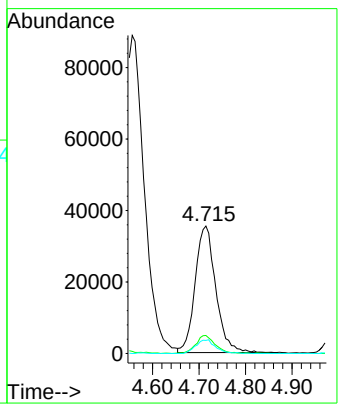
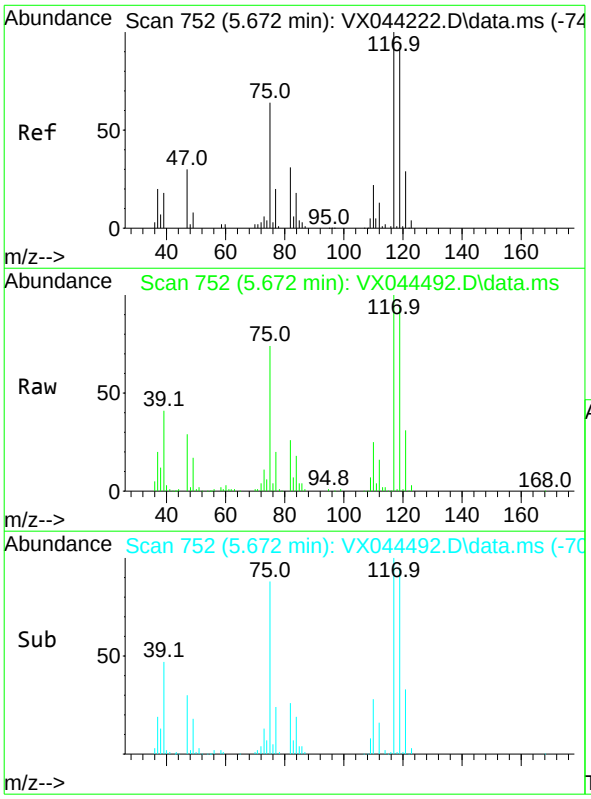
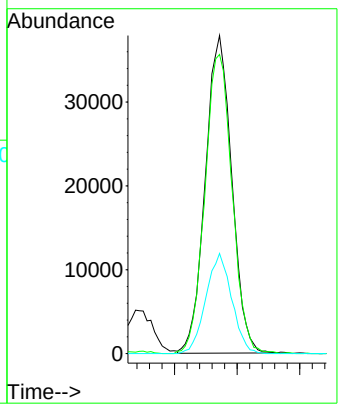


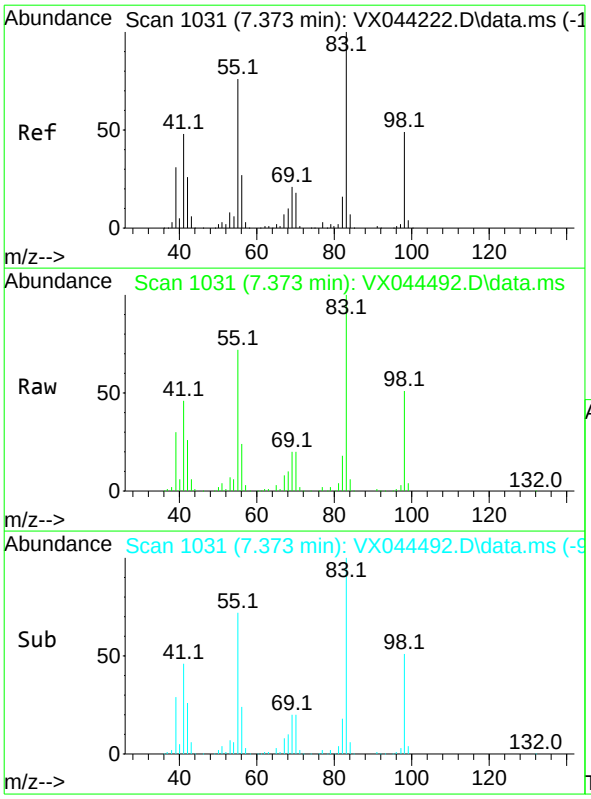




#38
Carbon Tetrachloride
Concen: 49.513 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:117 Resp: 111385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 74.2 | 111.4 |
| 121 | 31.6 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 50.139 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 83 Resp: 125247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.2 | 60.7 | 91.1 |
| 98 | 50.9 | 38.9 | 58.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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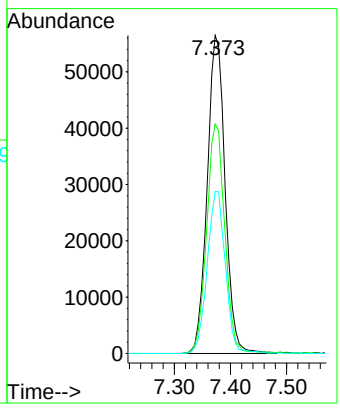
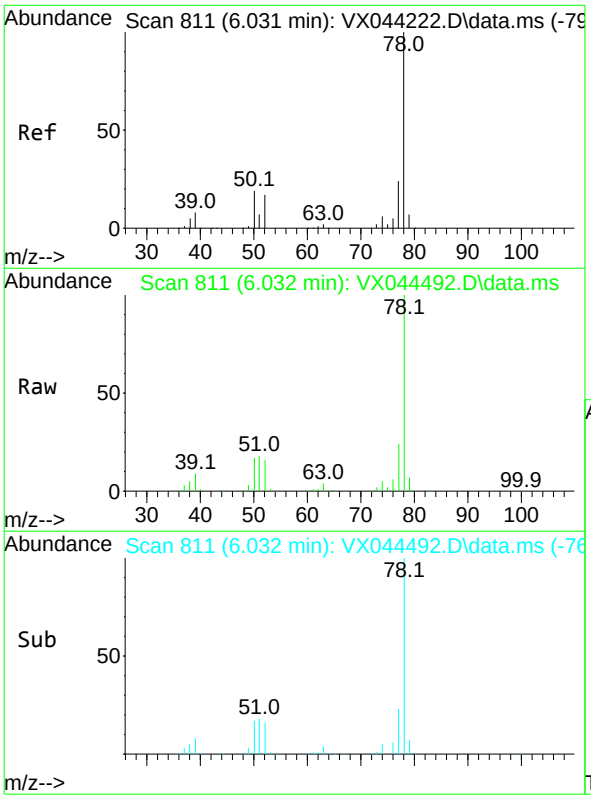
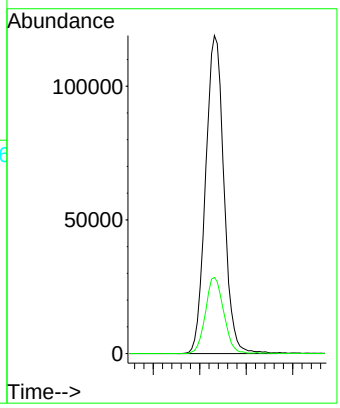


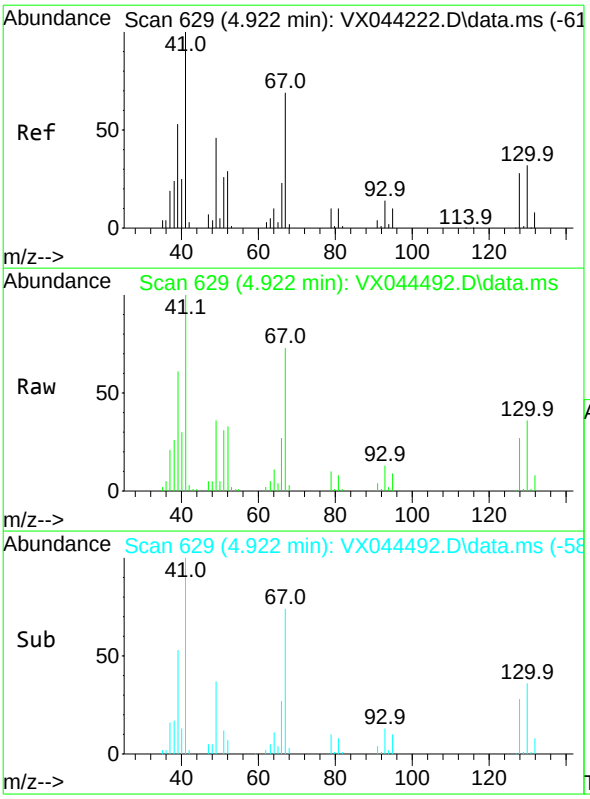




#40
Benzene
Concen: 51.229 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 78 Resp: 325004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.3 | 28.9 |

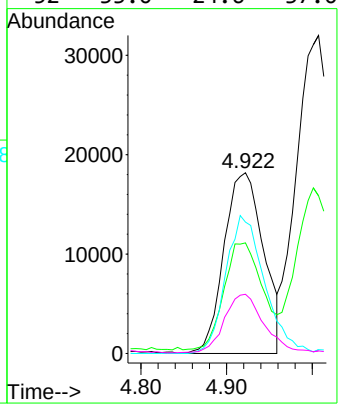





#41
Methacrylonitrile
Concen: 42.511 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 41 Resp: 58306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.1 | 44.2 | 66.4 |
| 67 | 75.0 | 57.2 | 85.8 |
| 52 | 33.0 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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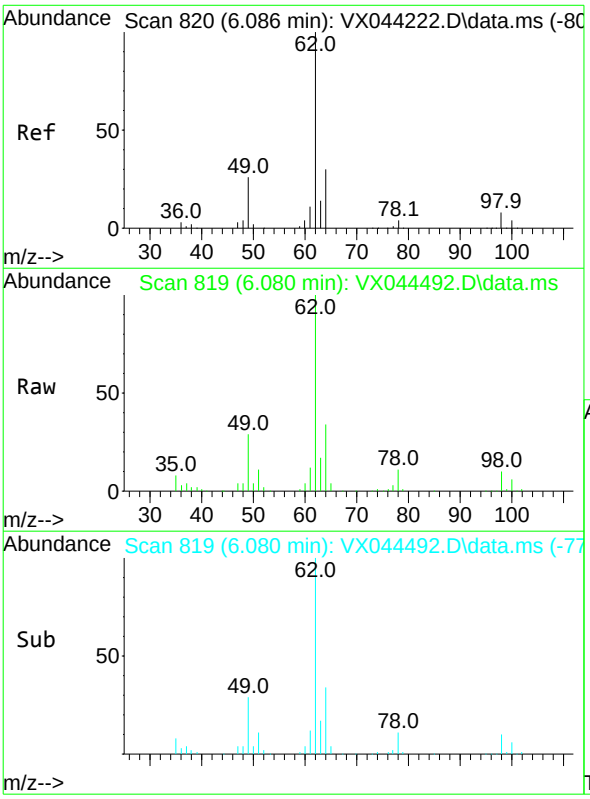
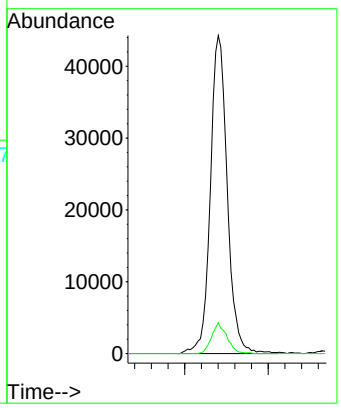
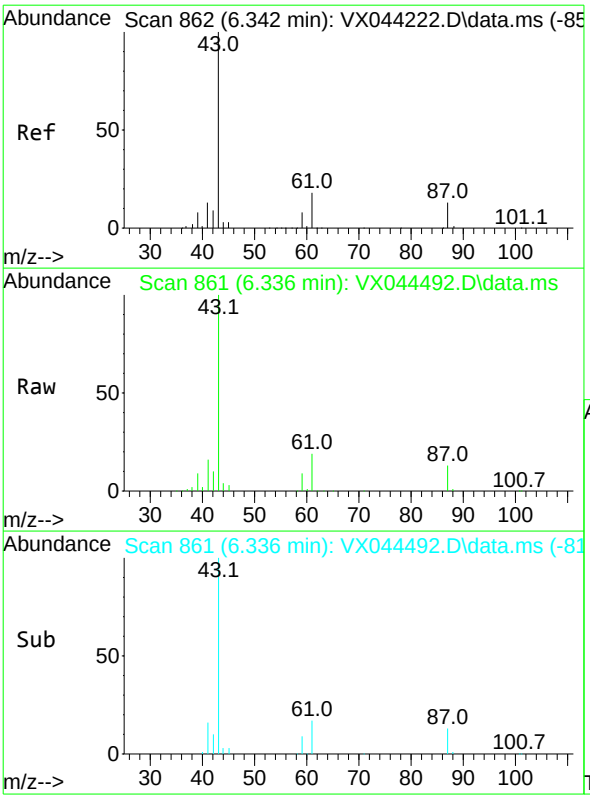



#42
1,2-Dichloroethane
Concen: 47.653 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 62 Resp: 124536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 15.8 |

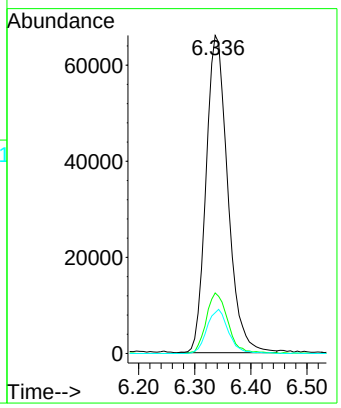





#43
Isopropyl Acetate
Concen: 44.034 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 177770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 14.2 | 21.2 |
| 87 | 13.7 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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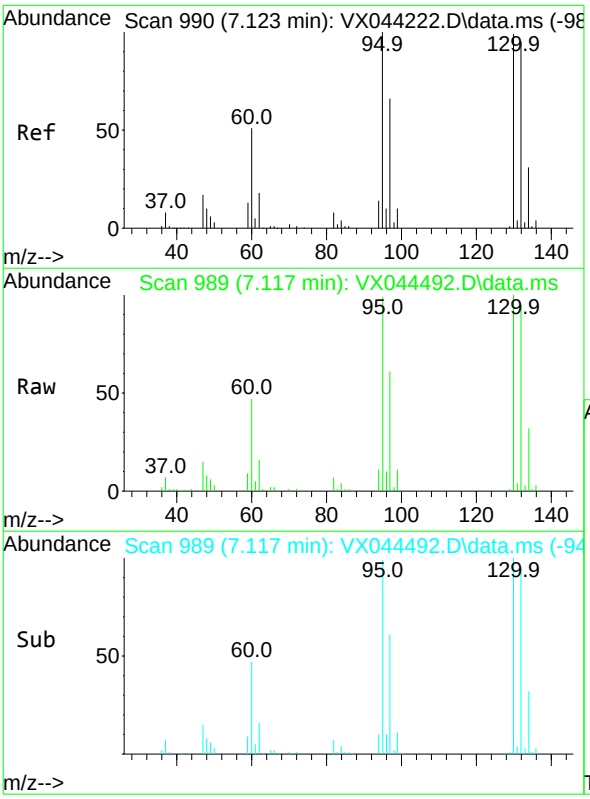
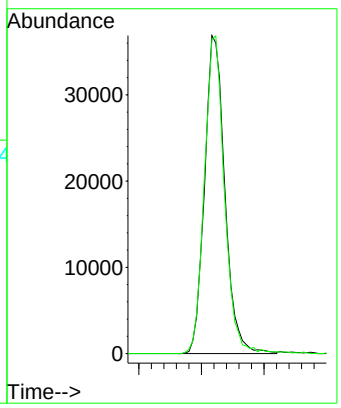
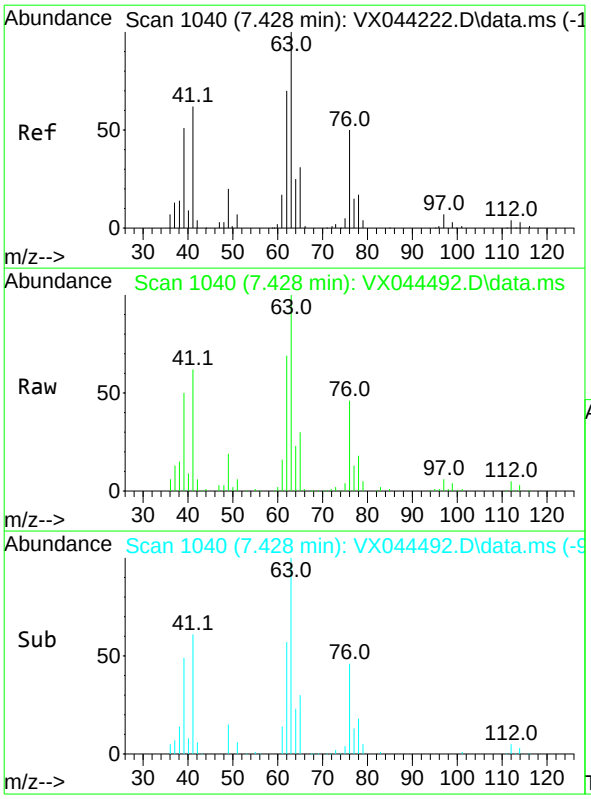



#44
Trichloroethene
Concen: 52.353 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:130 Resp: 82827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.7 | 0.0 | 201.4 |

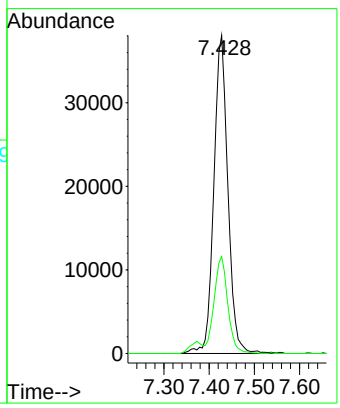





#45
1,2-Dichloropropane
Concen: 50.659 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 63 Resp: 82109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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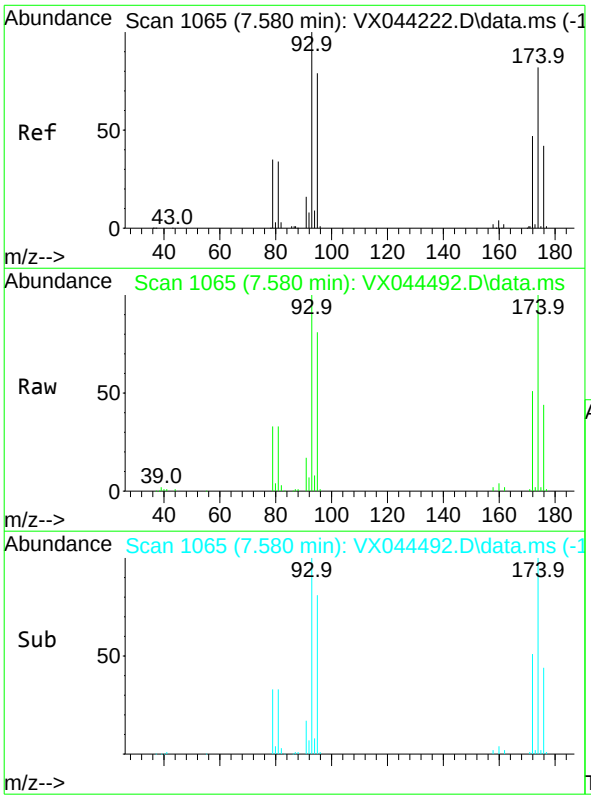
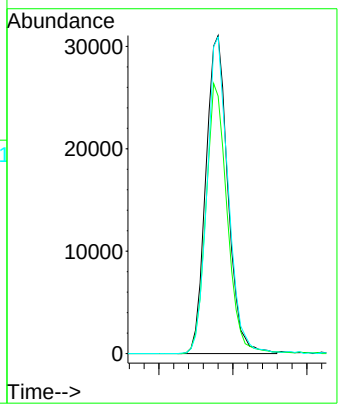
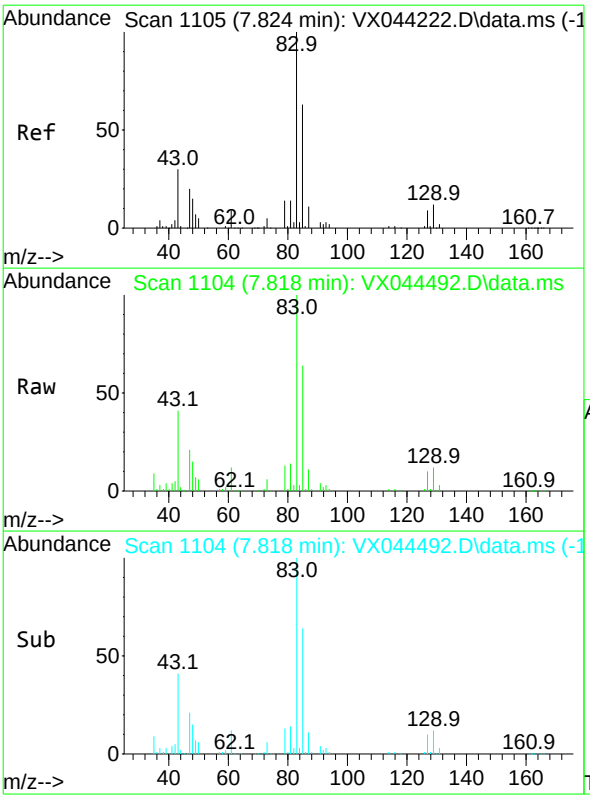



#46
Dibromomethane
Concen: 50.998 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 93 Resp: 64127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.9 | 65.4 | 98.2 |
| 174 | 95.5 | 67.9 | 101.9 |






#47
Bromodichloromethane
Concen: 52.527 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

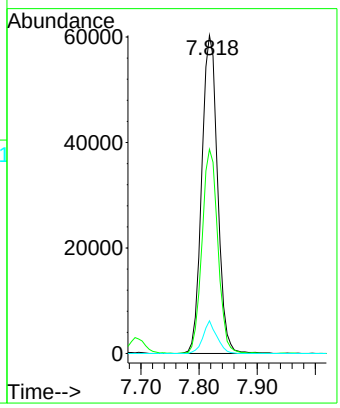
Tgt Ion: 83 Resp: 114072

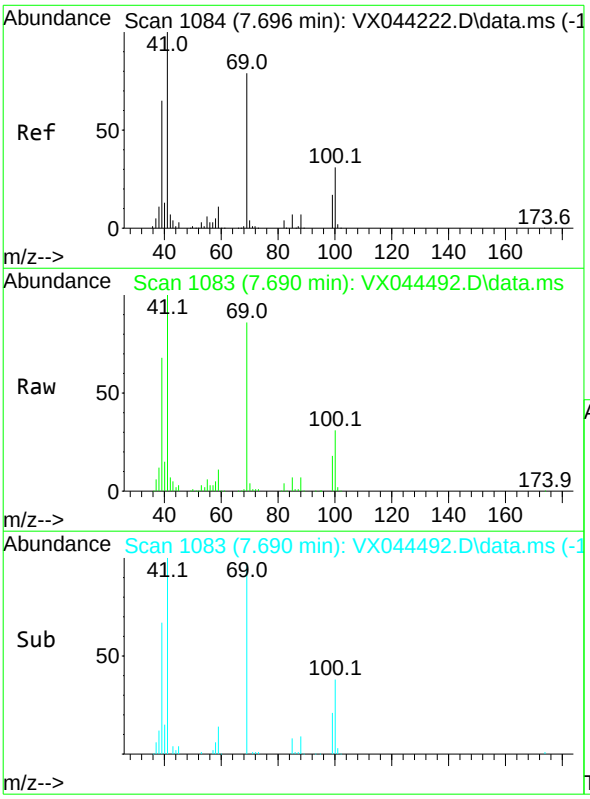
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 50.6 | 75.8 |
| 127 | 10.3 | 7.3 | 10.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

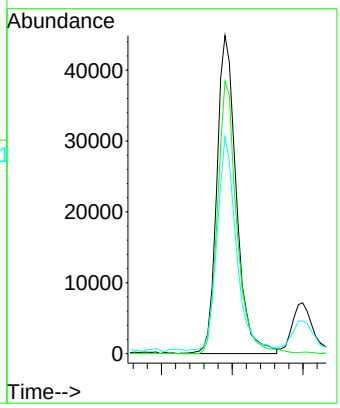


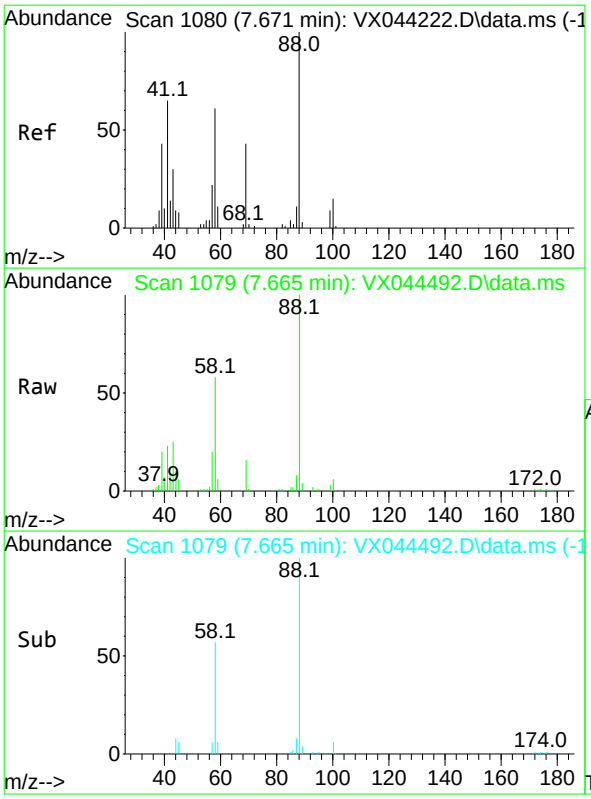




#48
Methyl methacrylate
Concen: 43.837 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 41 Resp: 85907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.0 | 62.4 | 93.6 |
| 39 | 65.7 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 982.728 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

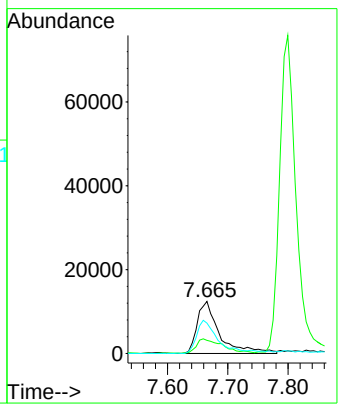
Tgt Ion: 88 Resp: 31930

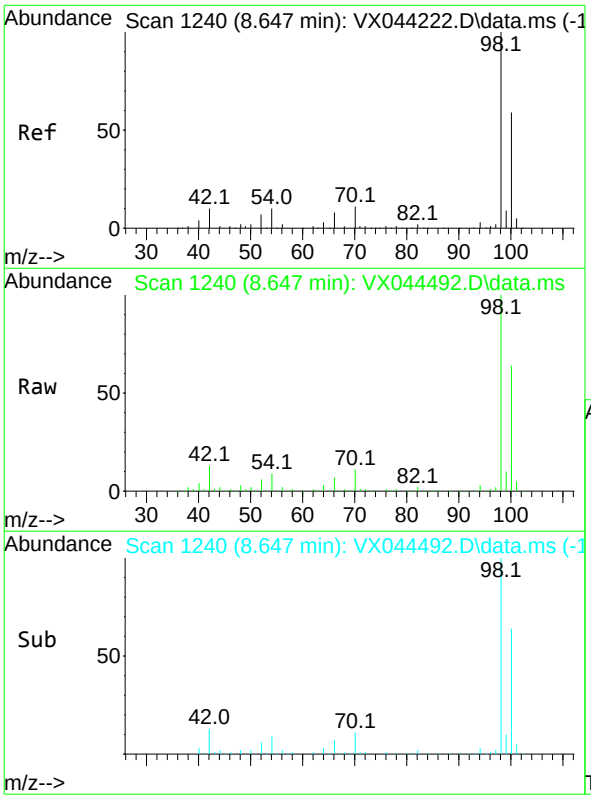
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 32.0 | 27.1 | 40.7 |
| 58 | 58.7 | 41.0 | 61.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

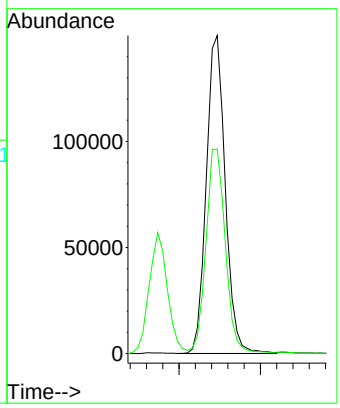


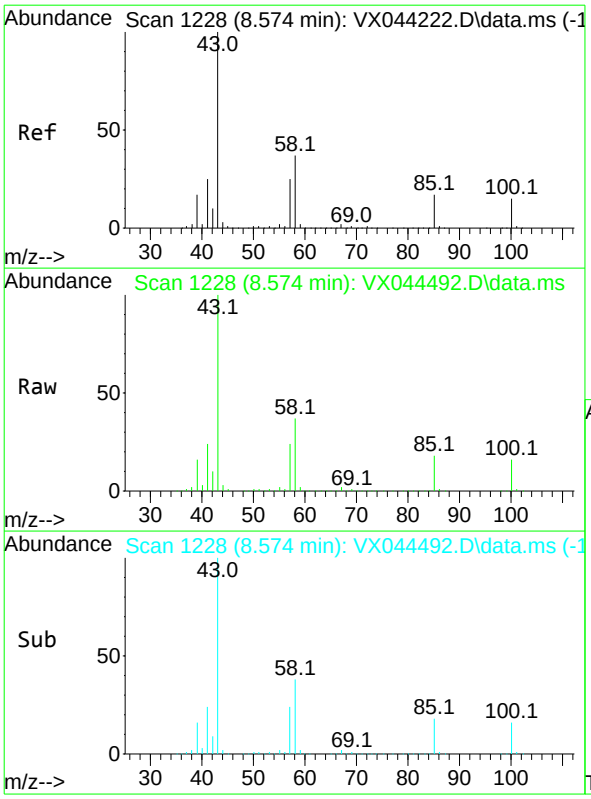




#50
Toluene-d8
Concen: 44.446 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 98 Resp: 242389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 51.5 | 77.3 |

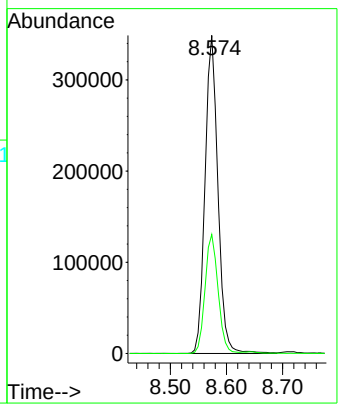





#51
4-Methyl-2-Pentanone
Concen: 214.305 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 556283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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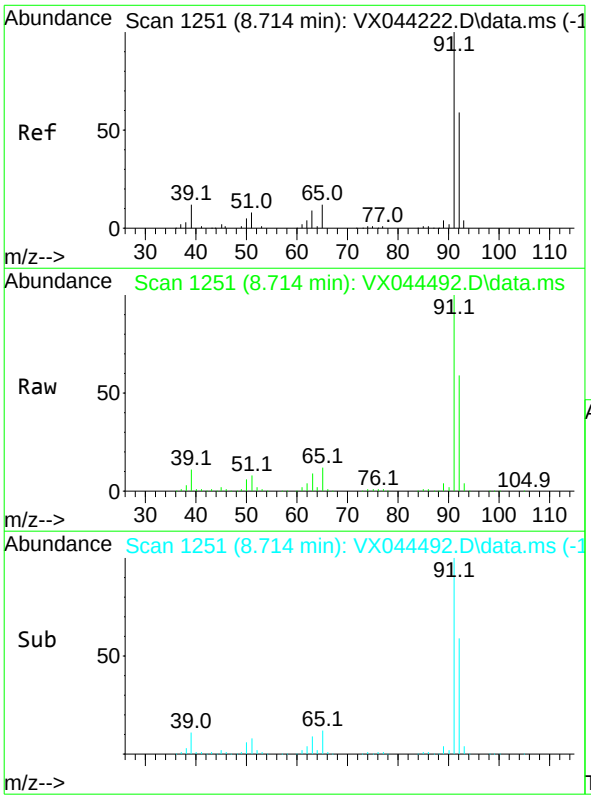
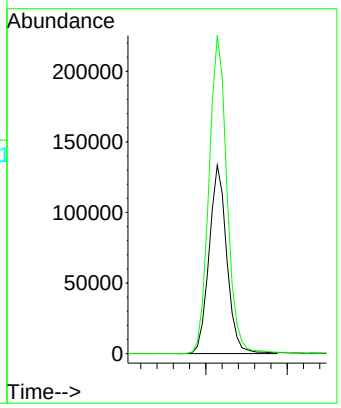
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

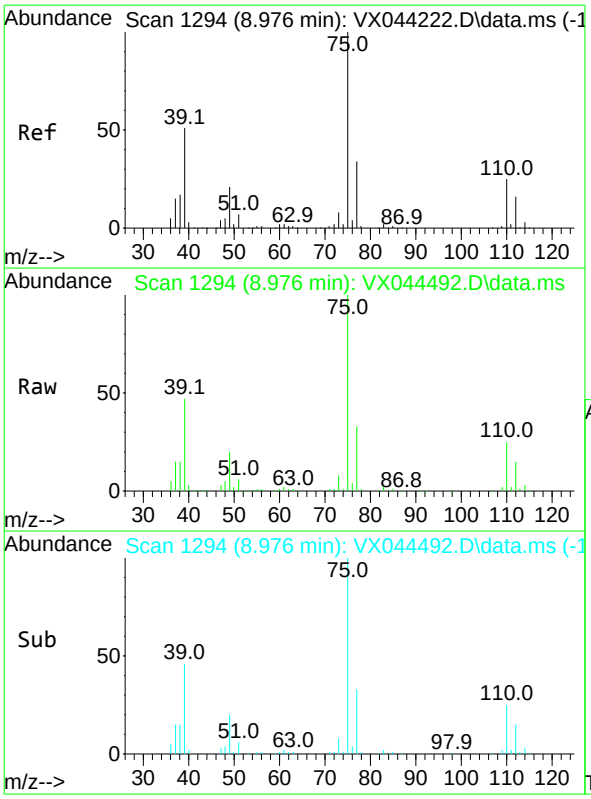



#52
Toluene
Concen: 50.524 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 92 Resp: 201289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.6 | 137.0 | 205.6 |

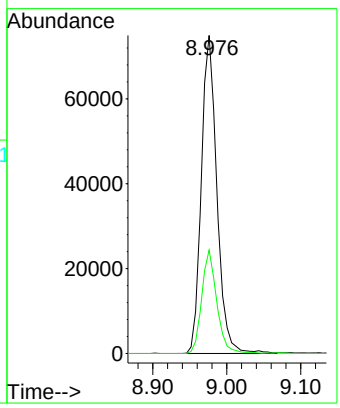





#53
t-1,3-Dichloropropene
Concen: 47.186 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 75 Resp: 109547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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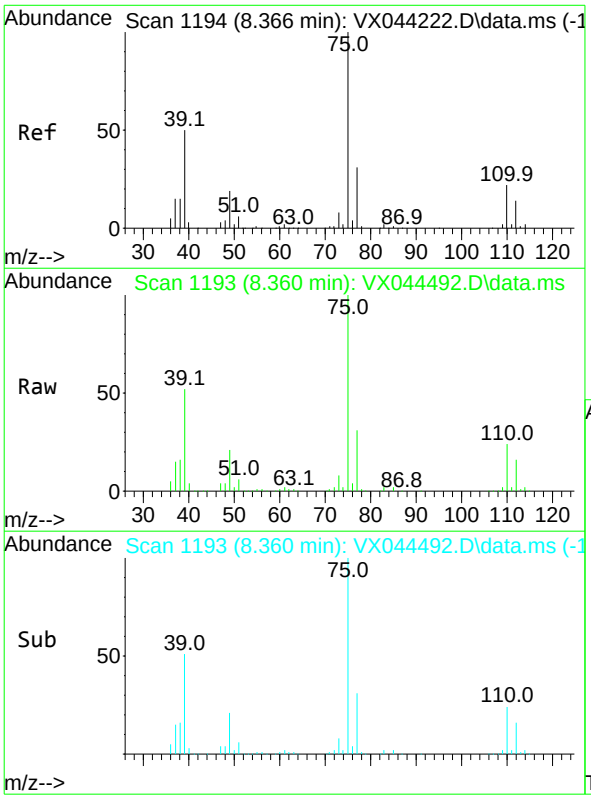
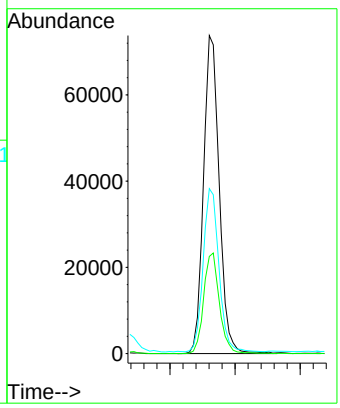
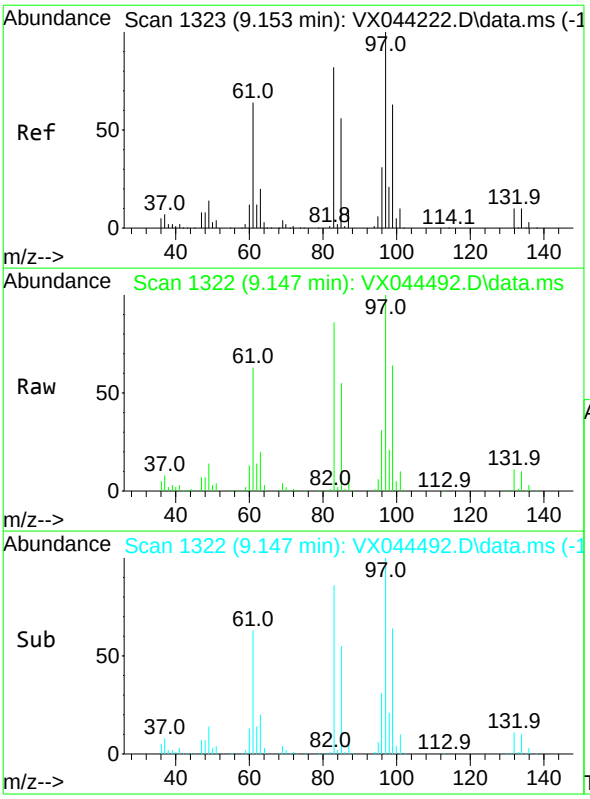



#54
cis-1,3-Dichloropropene
Concen: 52.242 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 75 Resp: 123531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 24.7 | 37.1 |
| 39 | 51.2 | 40.3 | 60.5 |

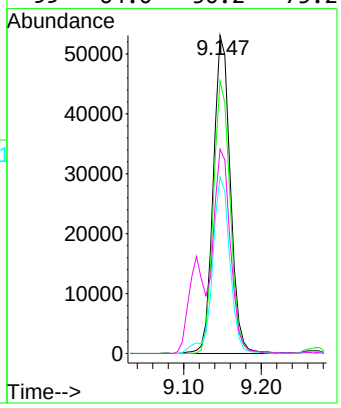





#55
1,1,2-Trichloroethane
Concen: 51.140 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 97 Resp: 80941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 65.3 | 97.9 |
| 85 | 55.5 | 44.6 | 67.0 |
| 99 | 64.0 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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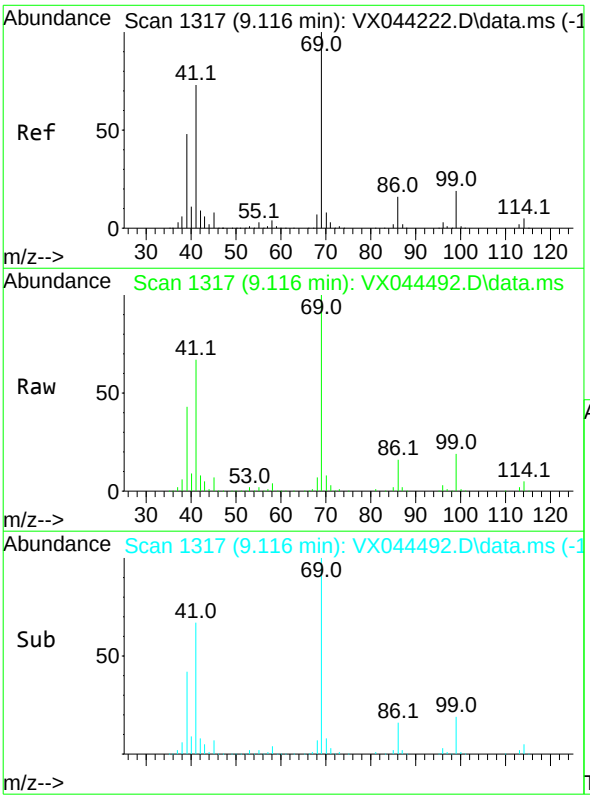
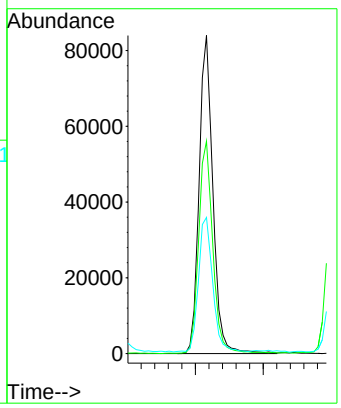
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

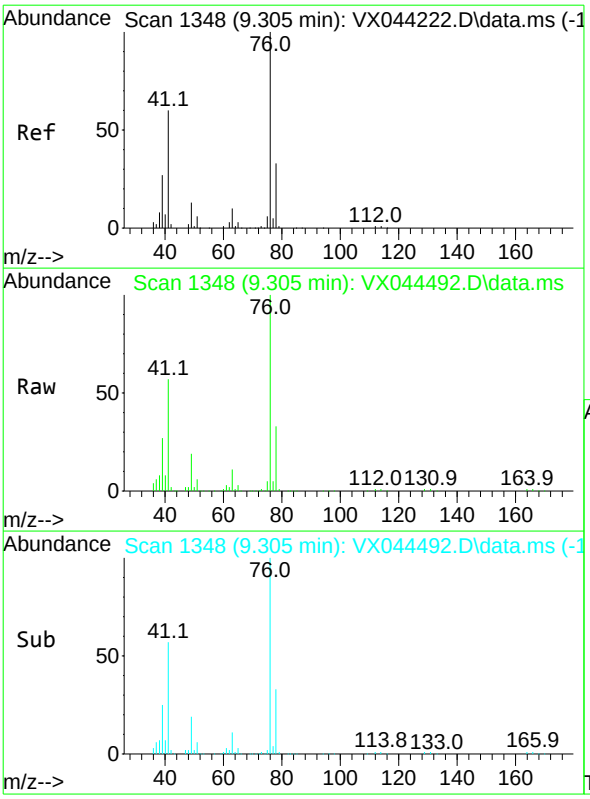



#56
Ethyl methacrylate
Concen: 47.418 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 69 Resp: 118479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 56.6 | 85.0 |
| 39 | 43.7 | 37.4 | 56.0 |

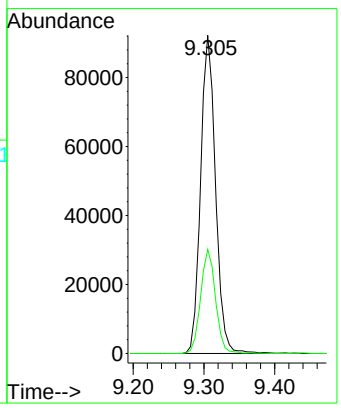





#57
1,3-Dichloropropane
Concen: 48.972 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 76 Resp: 134913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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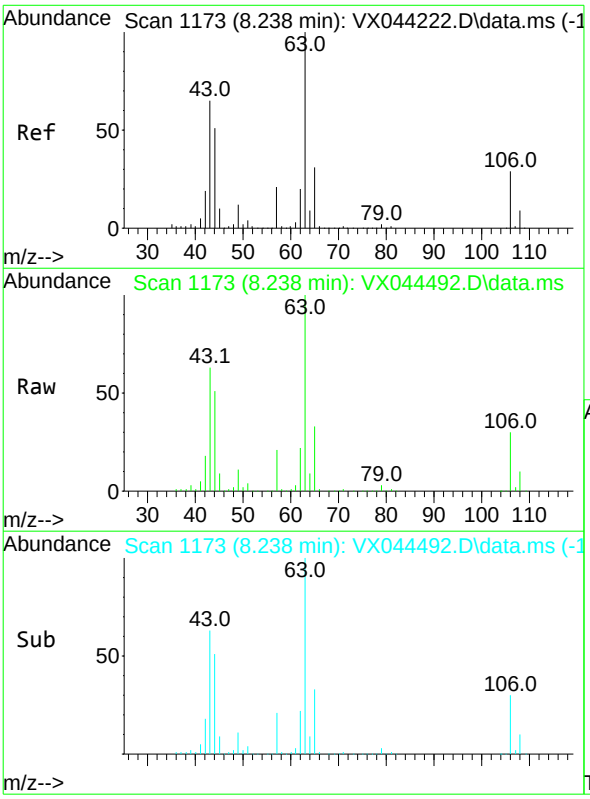
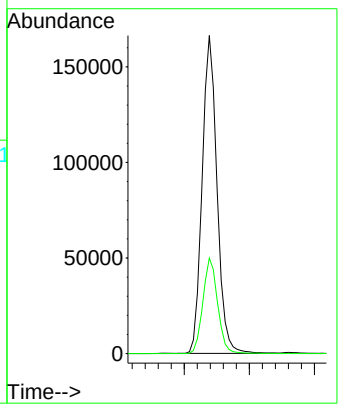
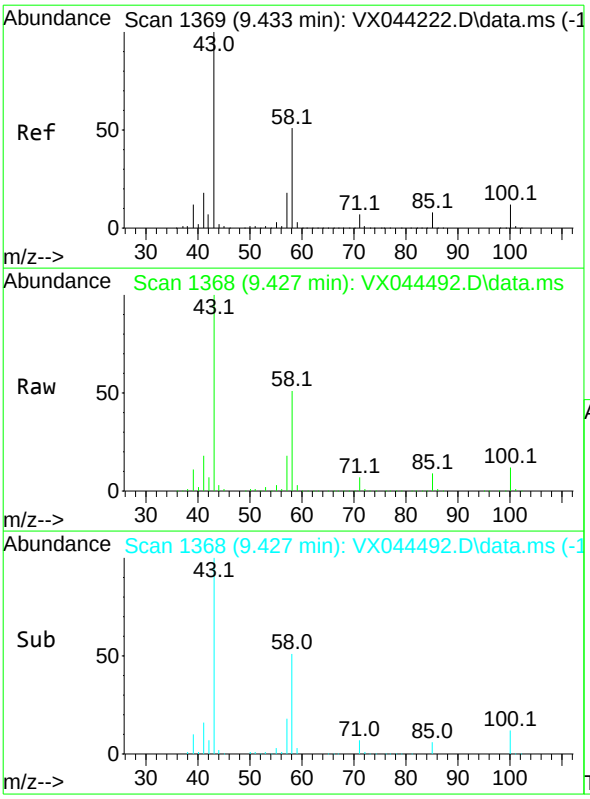



#58
2-Chloroethyl Vinyl ether
Concen: 209.048 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 63 Resp: 263448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.8 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 214.776 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 403537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.2 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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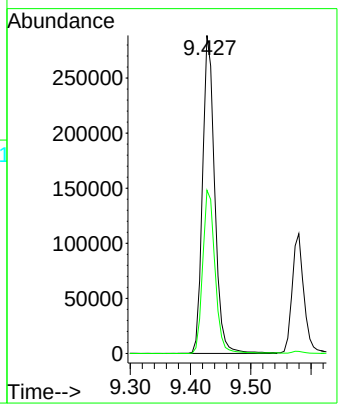
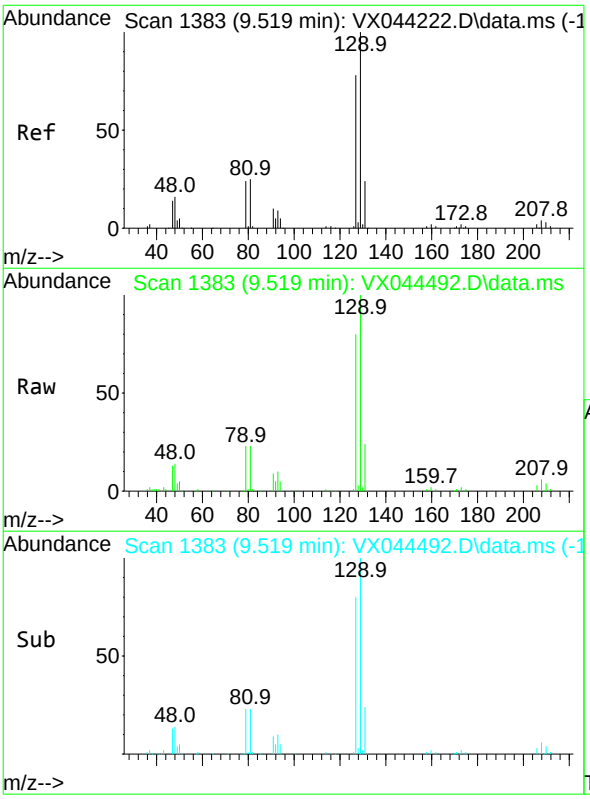
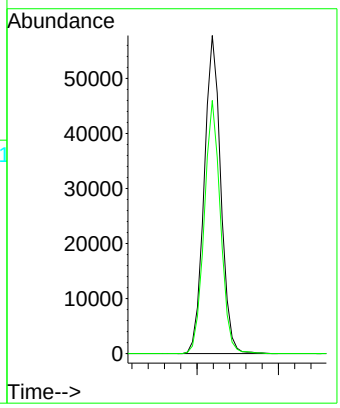


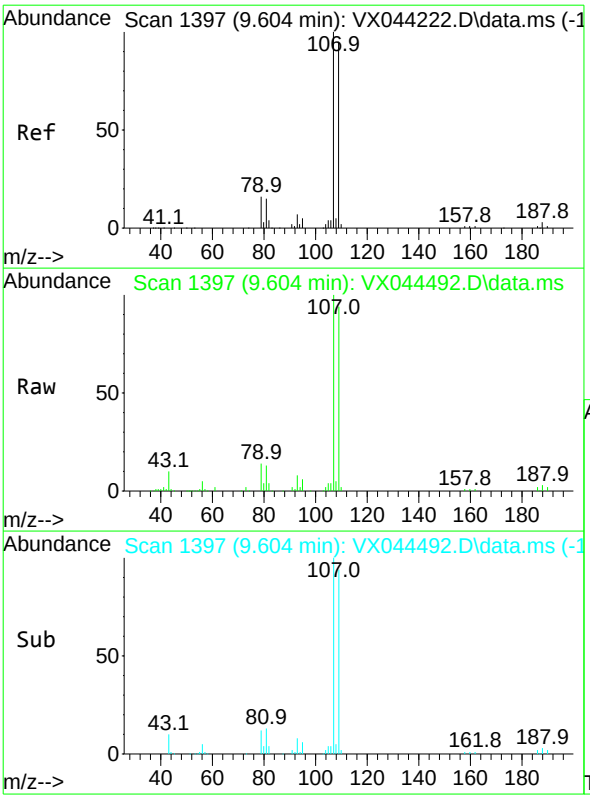




#60
Dibromochloromethane
Concen: 48.943 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:129 Resp: 81910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.5 | 115.3 |

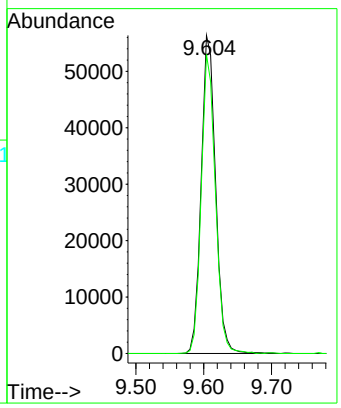





#61
1,2-Dibromoethane
Concen: 51.675 ug/l
RT: 9.604 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:107 Resp: 83250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.1 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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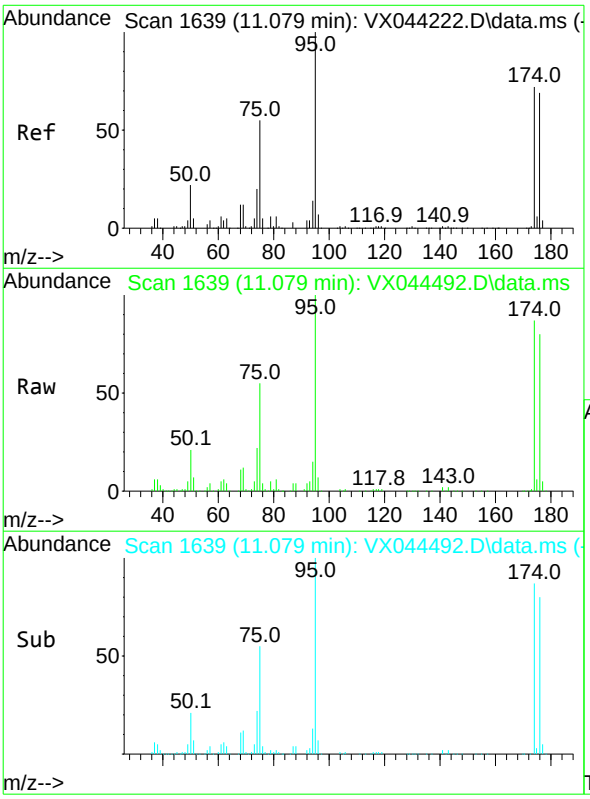
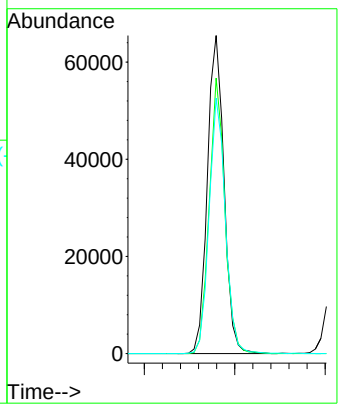
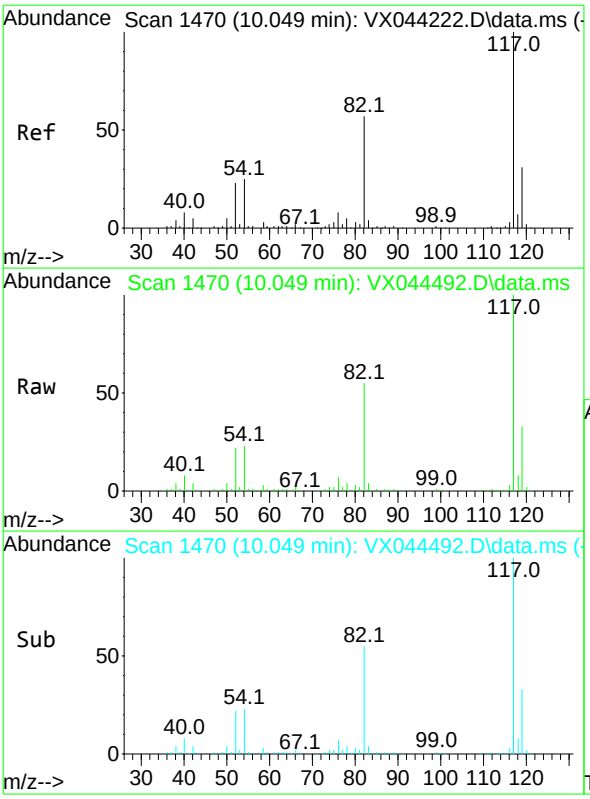



#62
4-Bromofluorobenzene
Concen: 43.908 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 95 Resp: 83671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.4 | 0.0 | 145.8 |
| 176 | 78.5 | 0.0 | 137.8 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 200491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.5 | 45.8 | 68.8 |
| 119 | 32.8 | 25.0 | 37.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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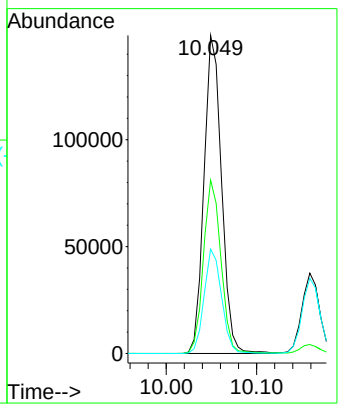
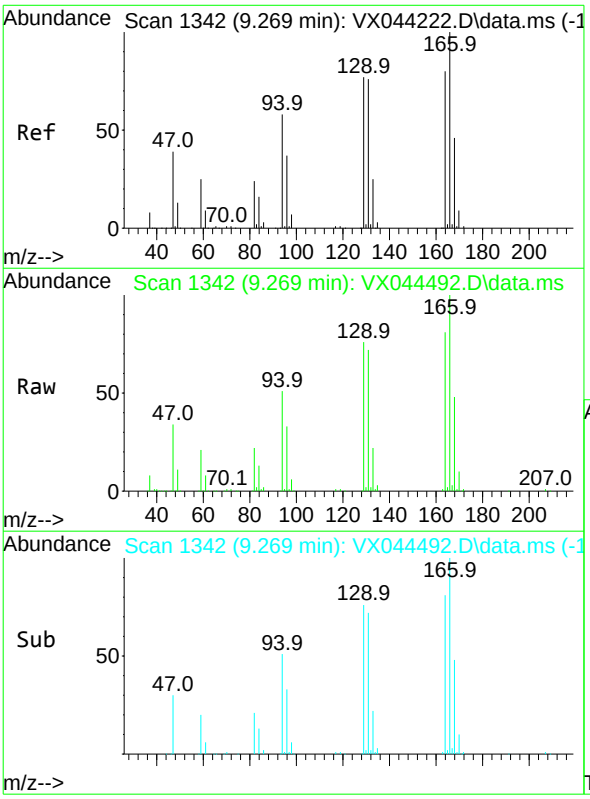
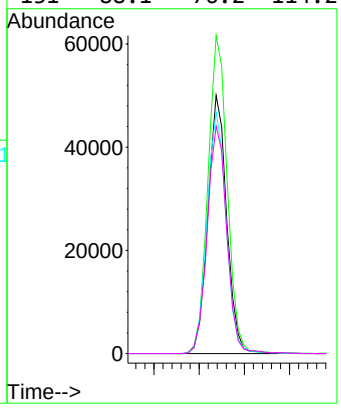


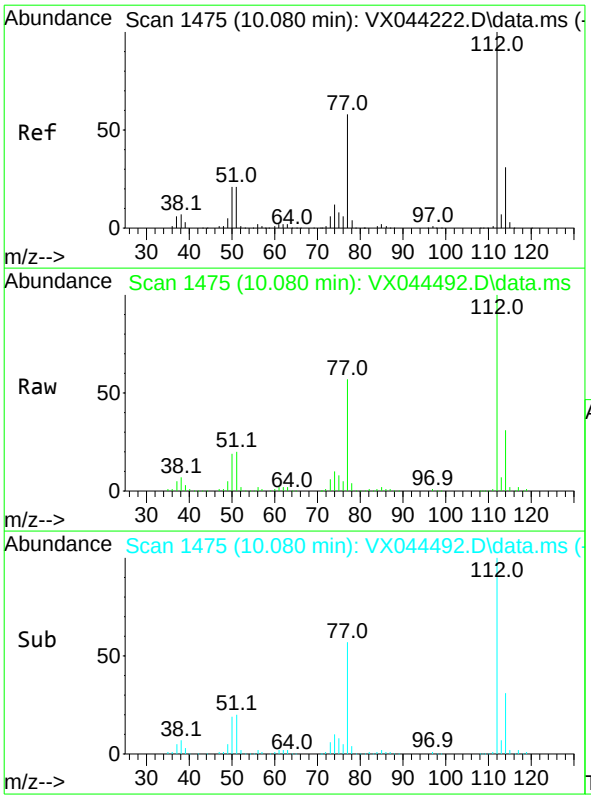




#64
Tetrachloroethene
Concen: 54.558 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:164 Resp: 72600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.2 | 100.4 | 150.6 |
| 129 | 93.6 | 77.2 | 115.8 |
| 131 | 88.1 | 76.2 | 114.2 |

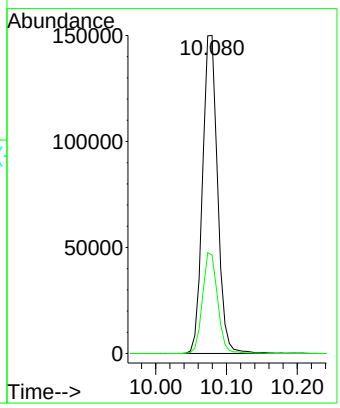





#65
Chlorobenzene
Concen: 51.470 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:112 Resp: 221119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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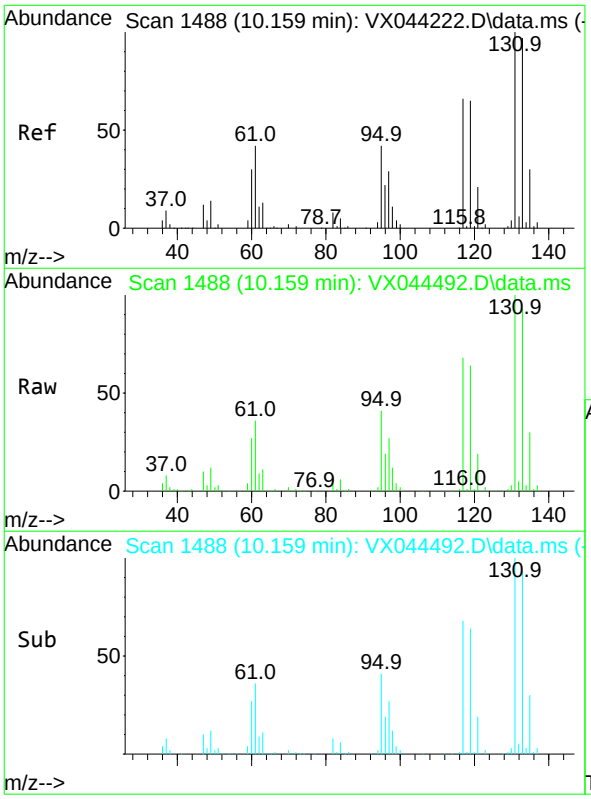
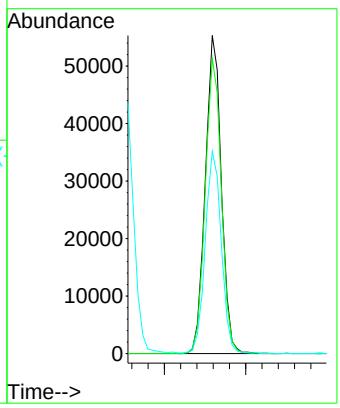
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

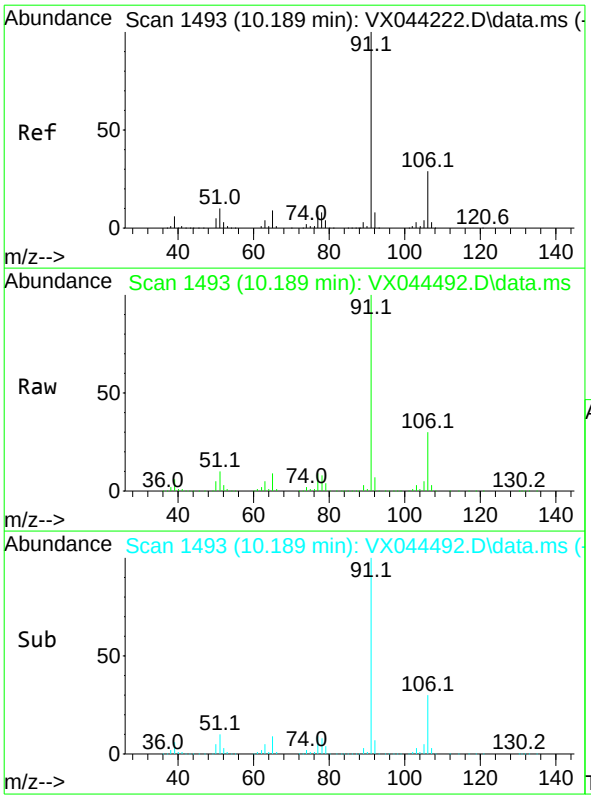



#66
1,1,1,2-Tetrachloroethane
Concen: 54.615 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:131 Resp: 75407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.5 | 47.3 | 141.8 |
| 119 | 64.0 | 31.6 | 95.0 |

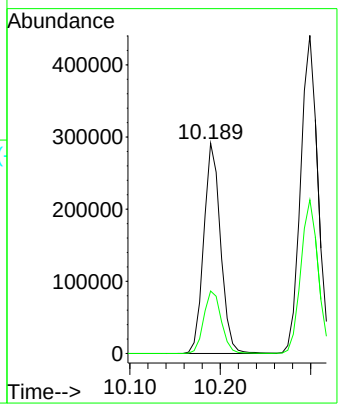





#67
Ethyl Benzene
Concen: 50.731 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 91 Resp: 376573

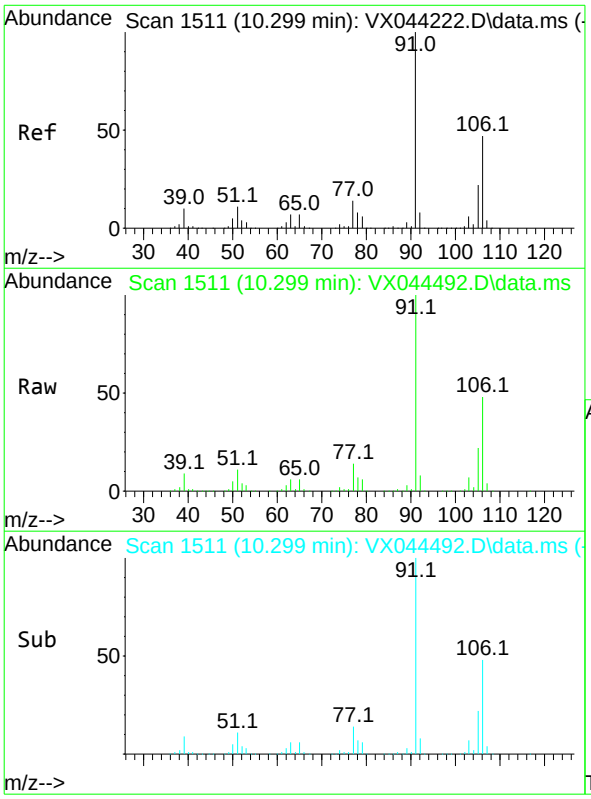
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.7 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

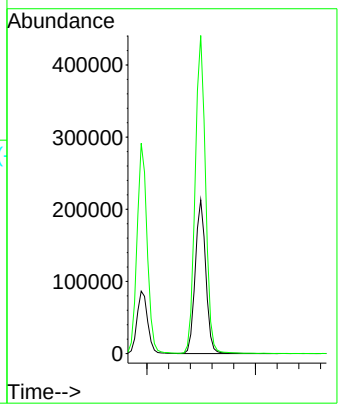
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

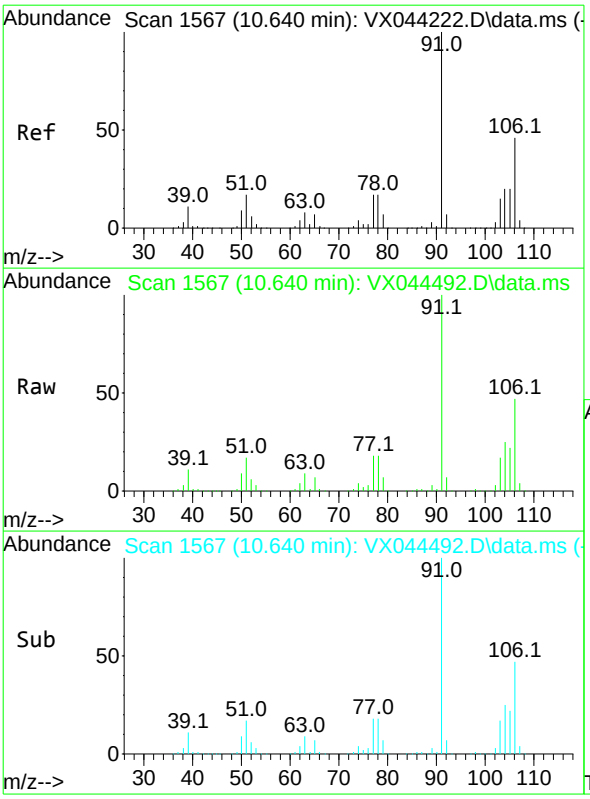



#68
m/p-Xylenes
Concen: 105.040 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:106 Resp: 286106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.9 | 170.2 | 255.2 |

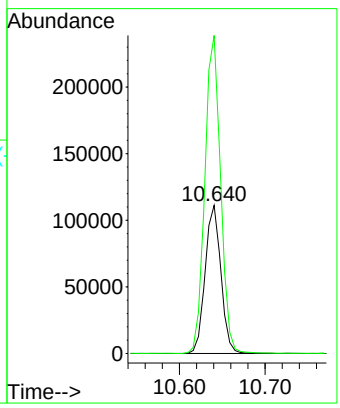





#69
o-Xylene
Concen: 51.527 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:106 Resp: 142004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.0 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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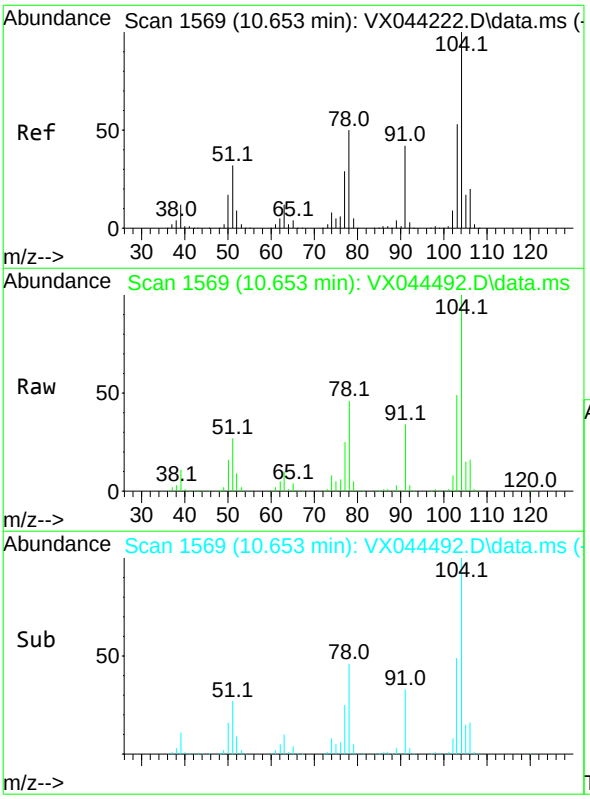
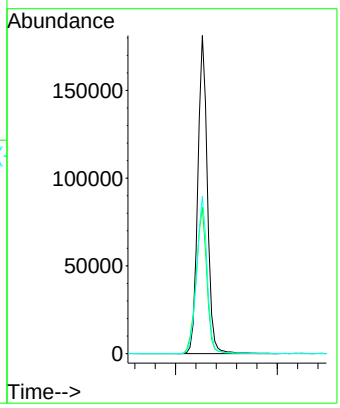
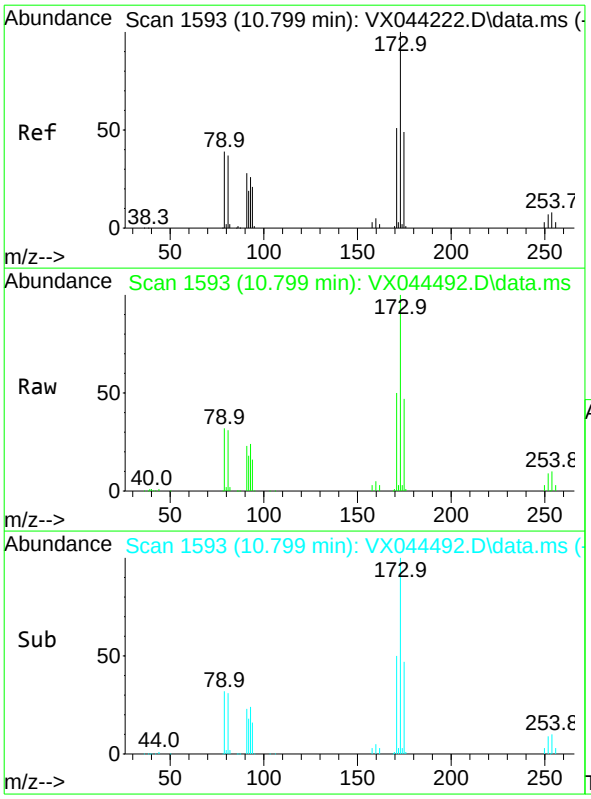



#70
Styrene
Concen: 53.584 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:104 Resp: 236734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.2 | 44.6 | 67.0 |
| 103 | 53.6 | 45.4 | 68.0 |

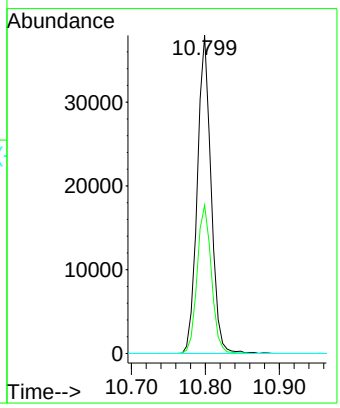





#71
Bromoform
Concen: 50.746 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:173 Resp: 49054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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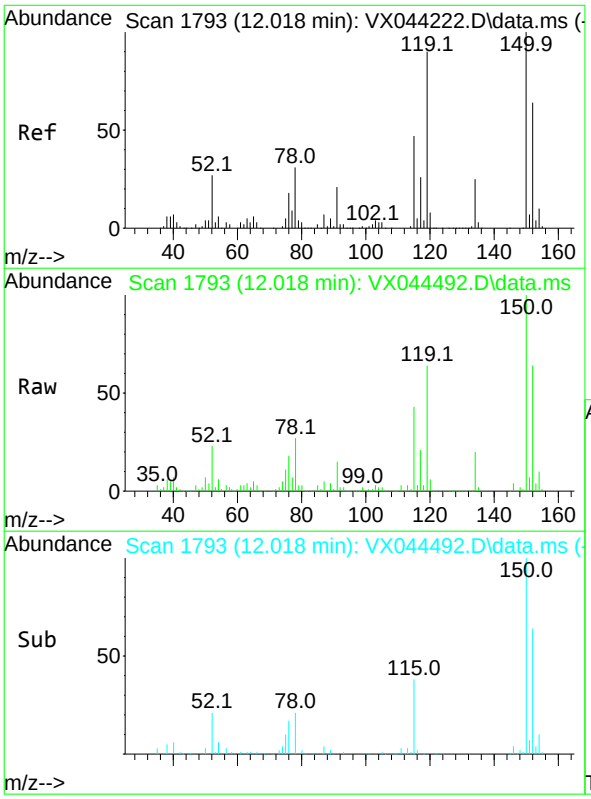
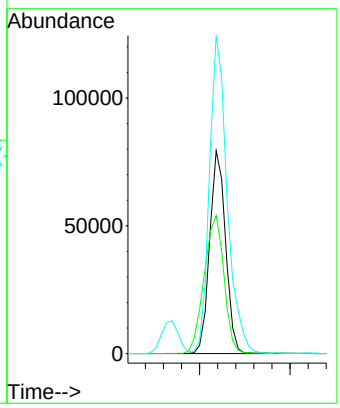
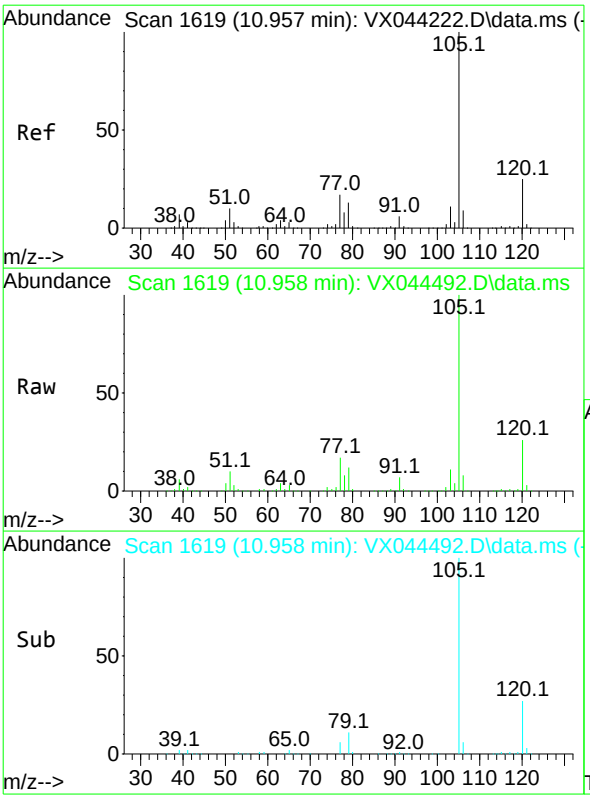



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:152 Resp: 97321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.8 | 44.5 | 133.3 |
| 150 | 174.1 | 0.0 | 353.8 |

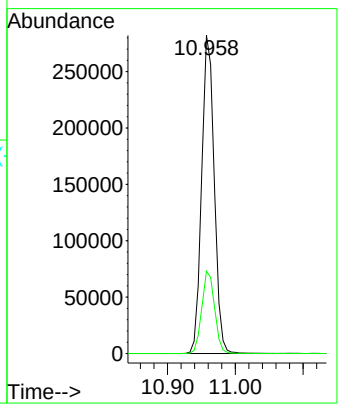





#73
Isopropylbenzene
Concen: 48.696 ug/l
RT: 10.958 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:105 Resp: 362803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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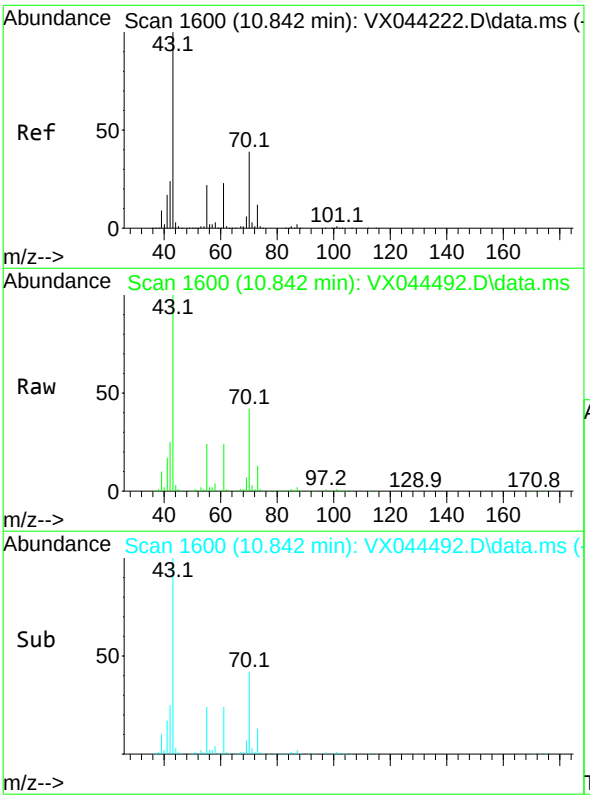
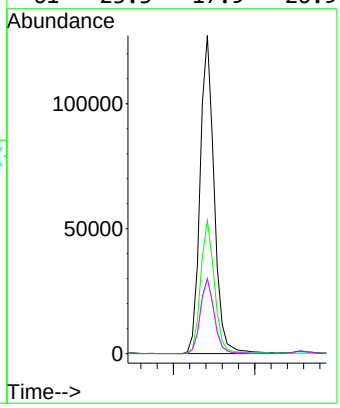
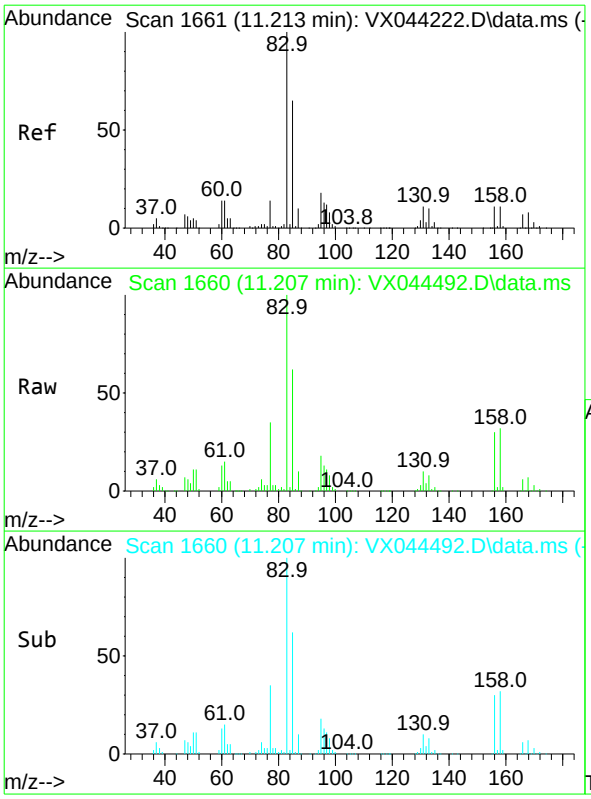



#74
N-amyl acetate
Concen: 44.229 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 152291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.4 | 31.9 | 47.9 |
| 55 | 23.5 | 17.9 | 26.9 |
| 61 | 23.3 | 17.9 | 26.9 |

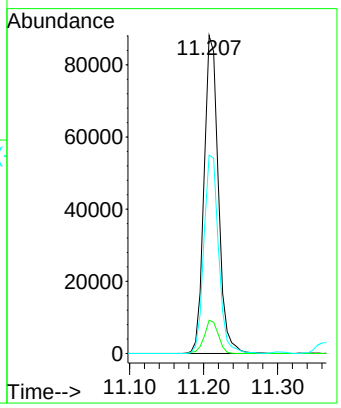





#75
1,1,2,2-Tetrachloroethane
Concen: 45.716 ug/l
RT: 11.207 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 83 Resp: 118300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.1 | 15.4 |
| 85 | 64.2 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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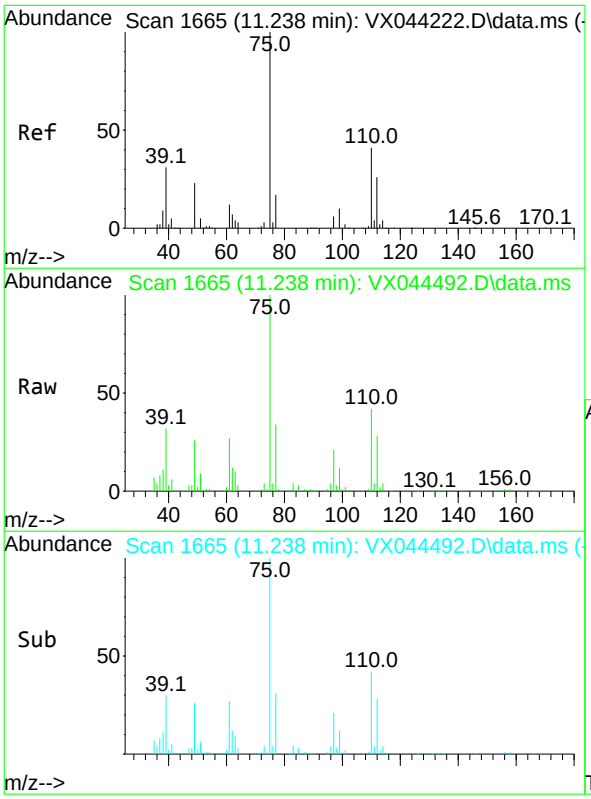
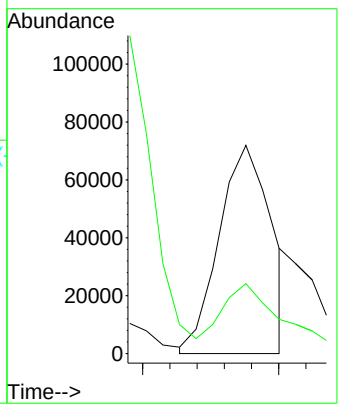
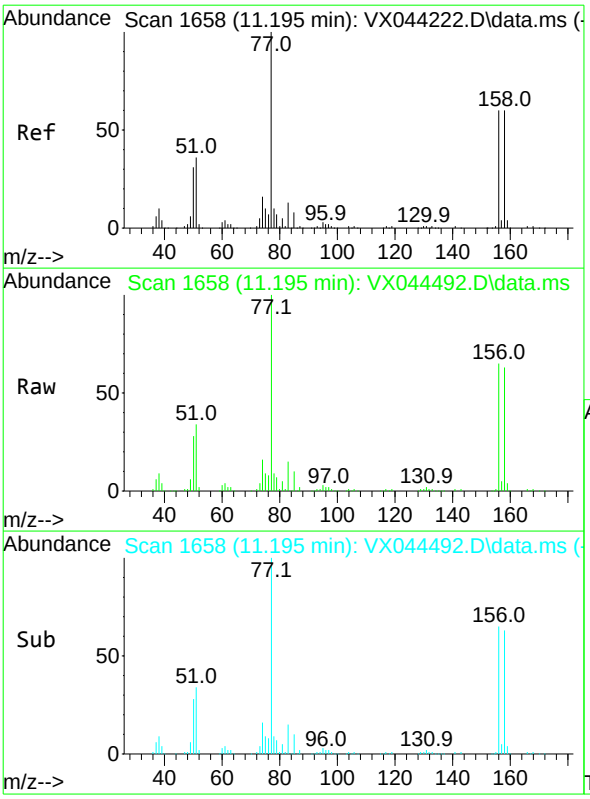



#76
1,2,3-Trichloropropane
Concen: 44.099 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 75 Resp: 95824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.5 | 20.9 | 62.7 |

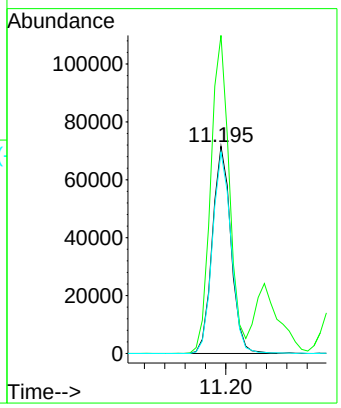





#77
Bromobenzene
Concen: 50.455 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:156 Resp: 91156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 153.3 | 82.6 | 247.8 |
| 158 | 97.5 | 48.8 | 146.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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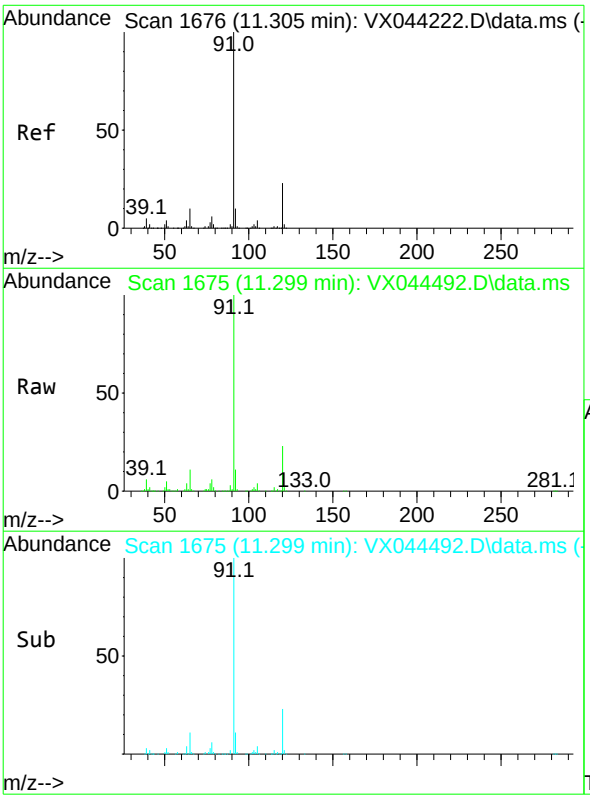
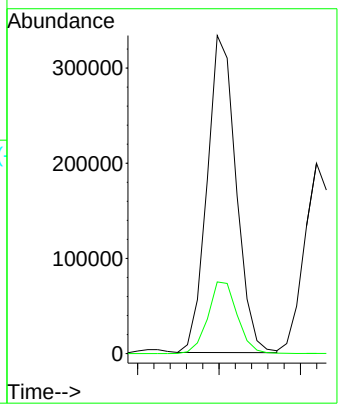
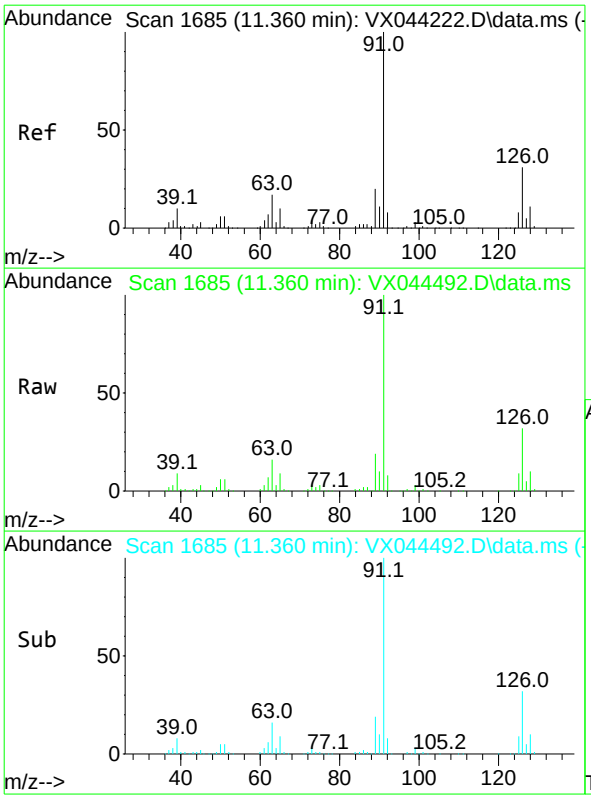



#78
n-propylbenzene
Concen: 50.048 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 91 Resp: 412127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 47.209 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 91 Resp: 251412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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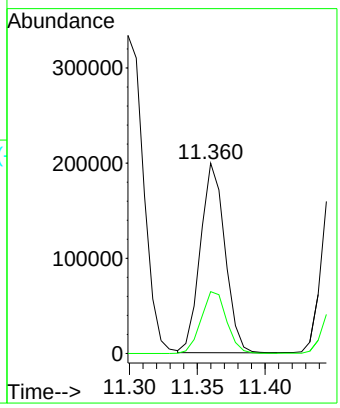
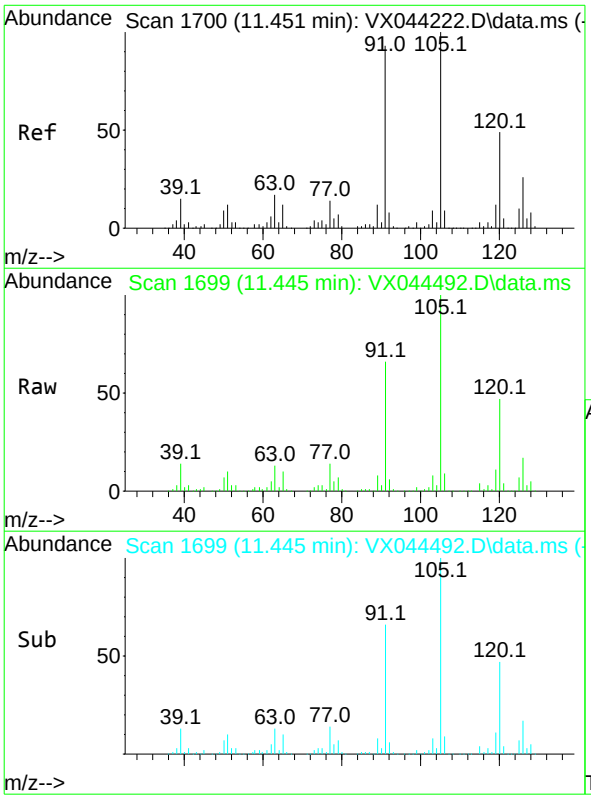
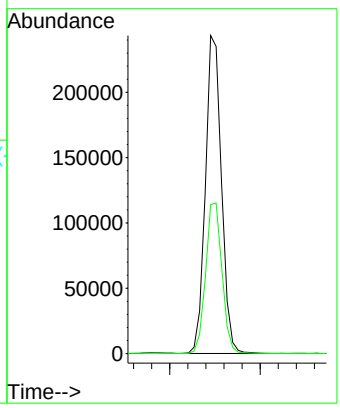


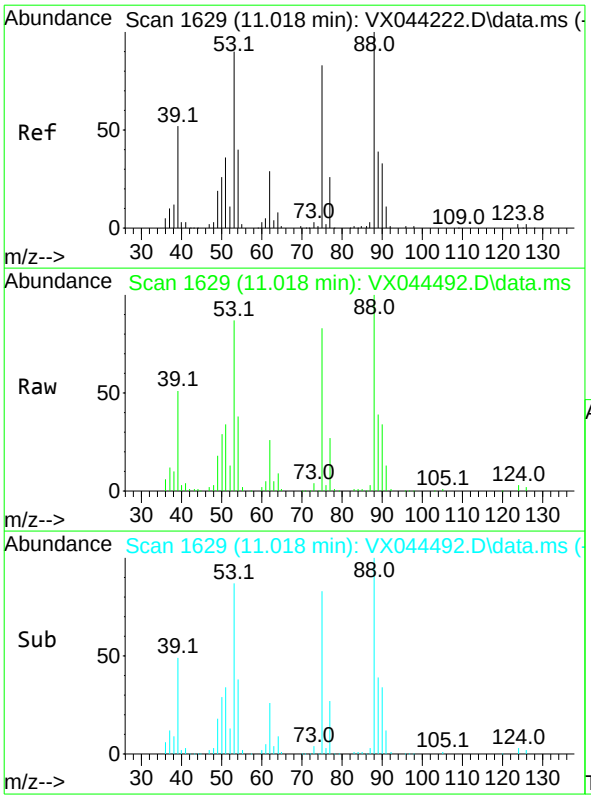




#80
1,3,5-Trimethylbenzene
Concen: 48.618 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:105 Resp: 300384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 41.730 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 30857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 110.0 | 93.6 | 140.4 |
| 89 | 47.2 | 37.3 | 55.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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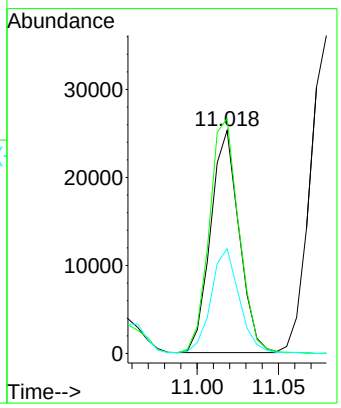
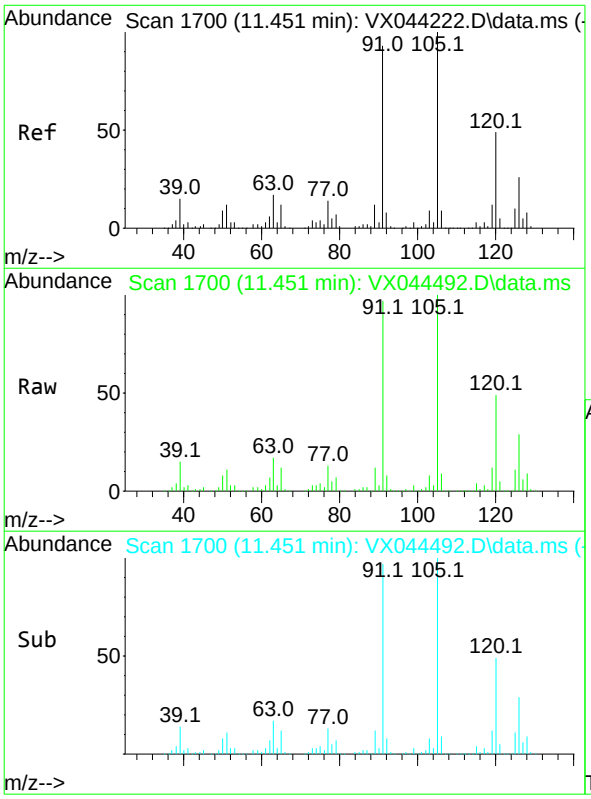
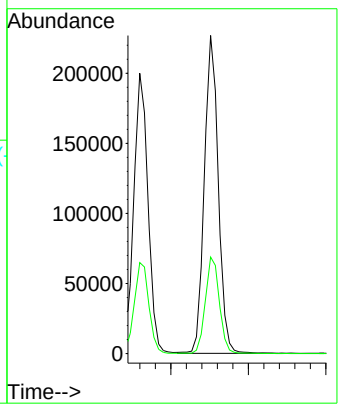


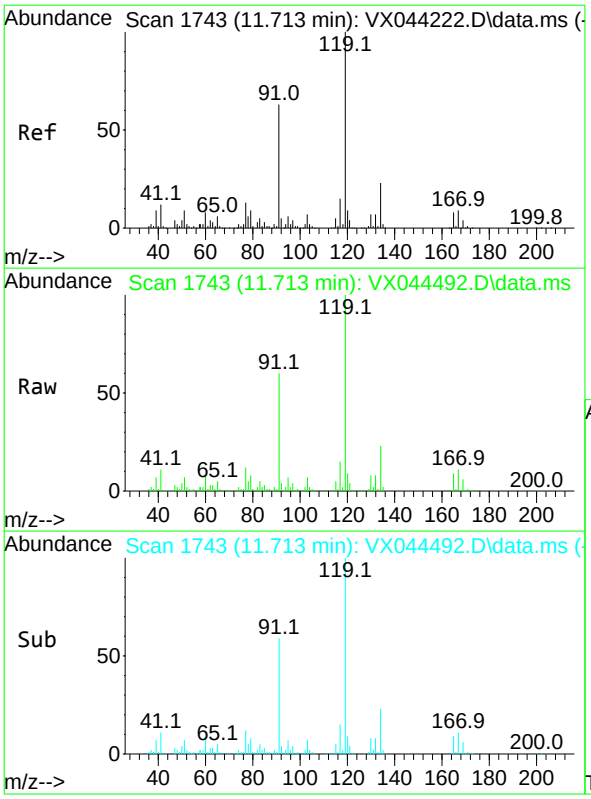




#82
4-Chlorotoluene
Concen: 48.094 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 91 Resp: 283625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.7 | 14.5 | 43.5 |






#83
tert-Butylbenzene
Concen: 50.203 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

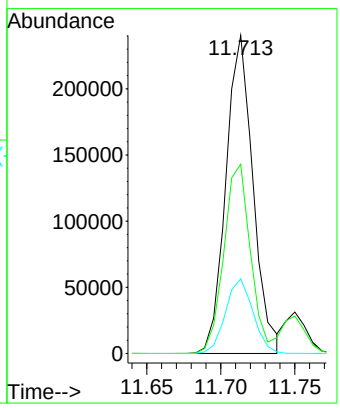
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

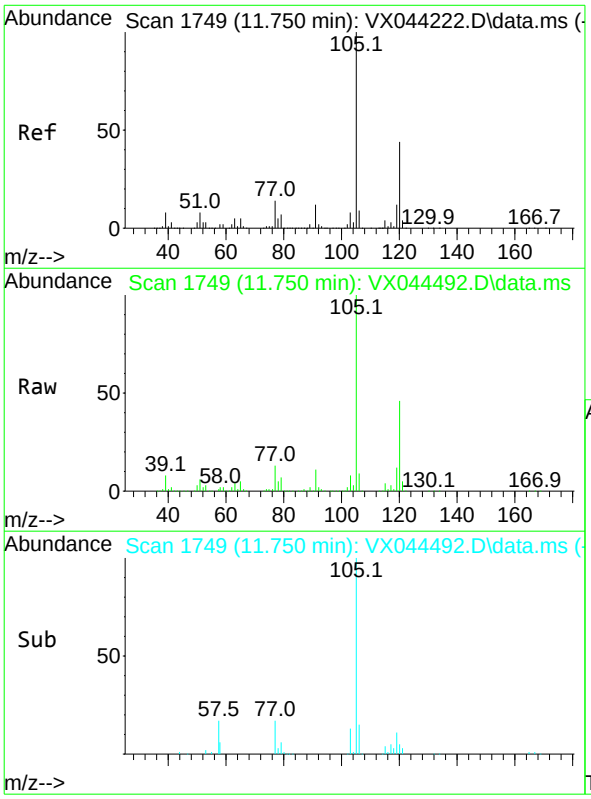
Tgt Ion:119 Resp: 306541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.2 | 30.9 | 92.5 |
| 134 | 23.8 | 11.5 | 34.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

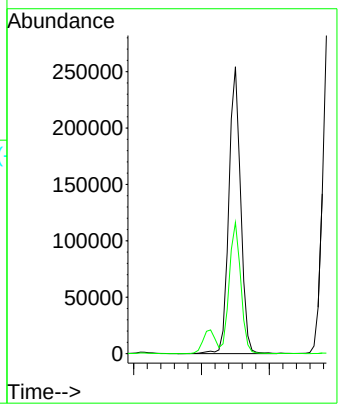


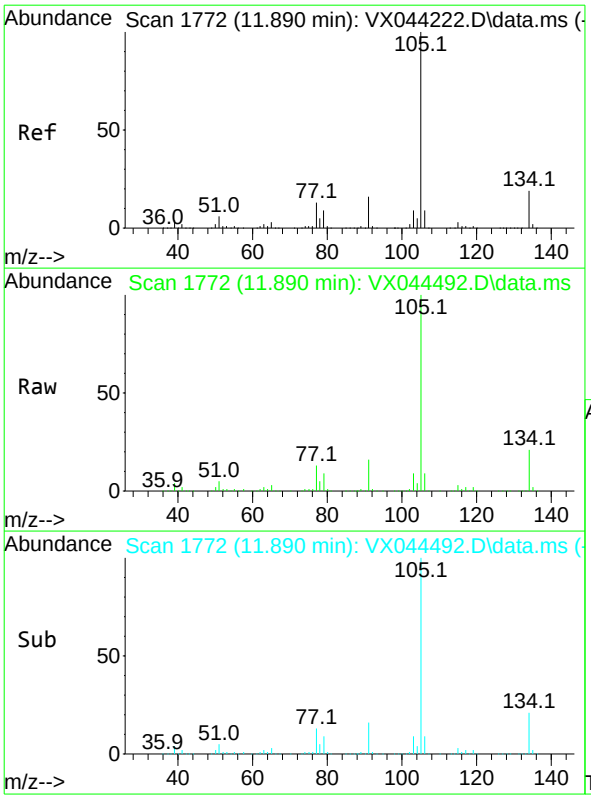




#84
1,2,4-Trimethylbenzene
Concen: 50.368 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:105 Resp: 305617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.0 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 49.579 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

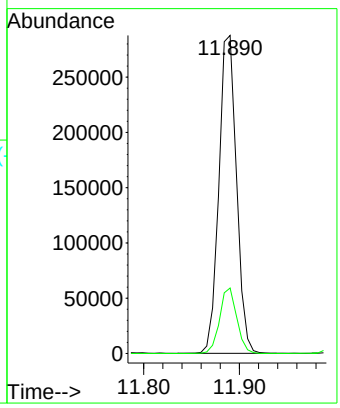
Tgt Ion:105 Resp: 367512

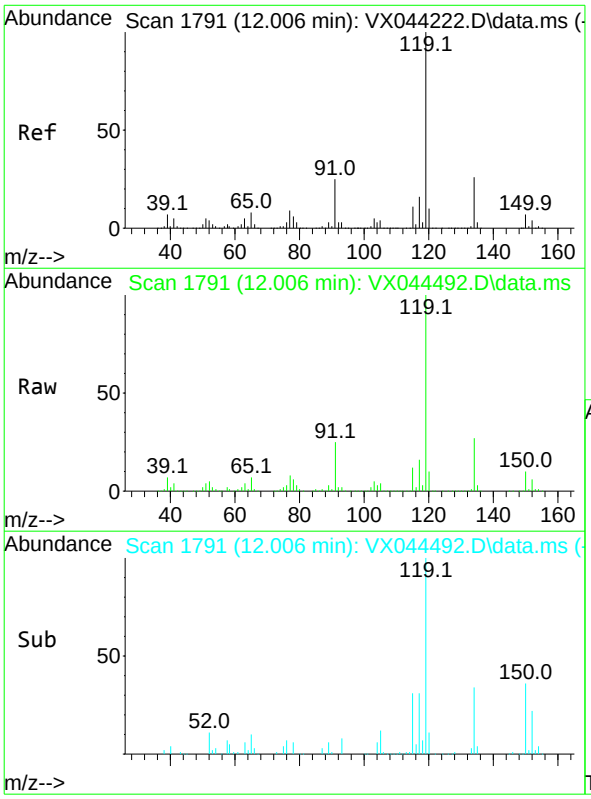
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

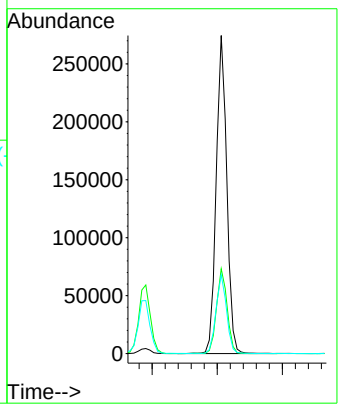


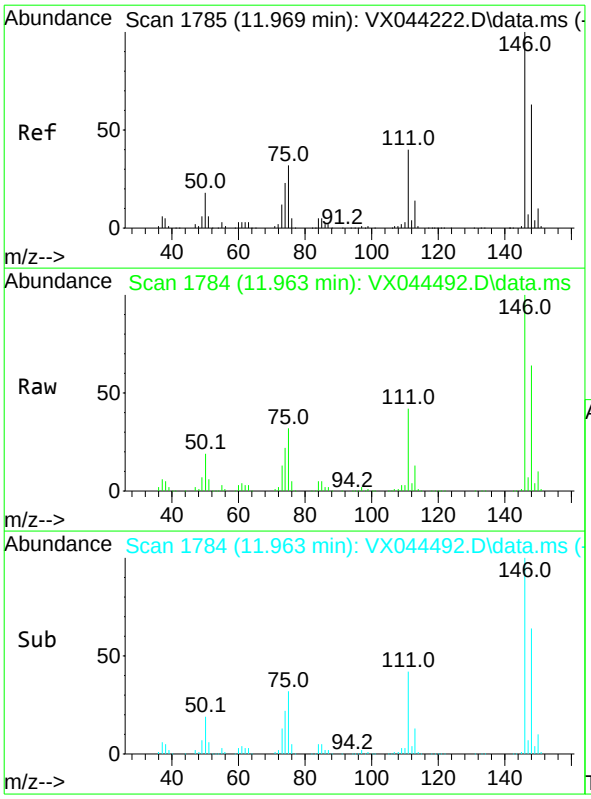




#86
p-Isopropyltoluene
Concen: 50.162 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:119 Resp: 309480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.7 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |

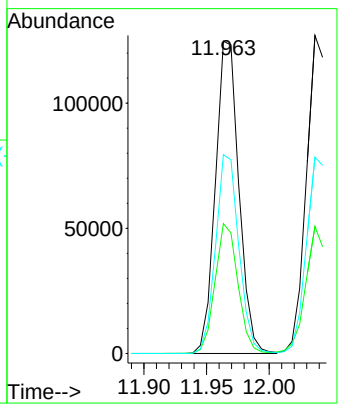





#87
1,3-Dichlorobenzene
Concen: 51.562 ug/l
RT: 11.963 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:146 Resp: 162721

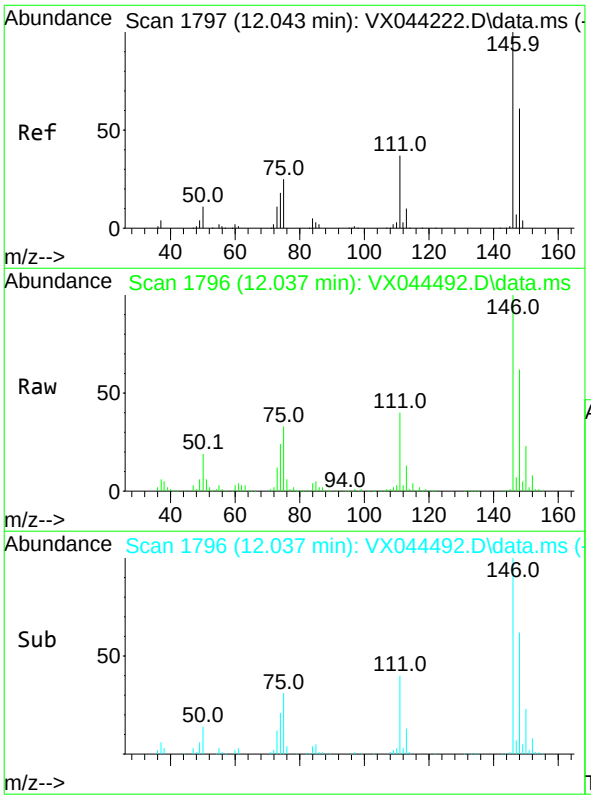
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 21.4 | 64.2 |
| 148 | 63.1 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

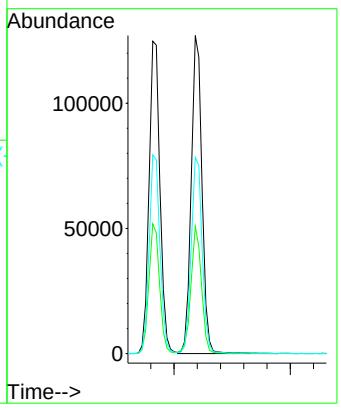
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

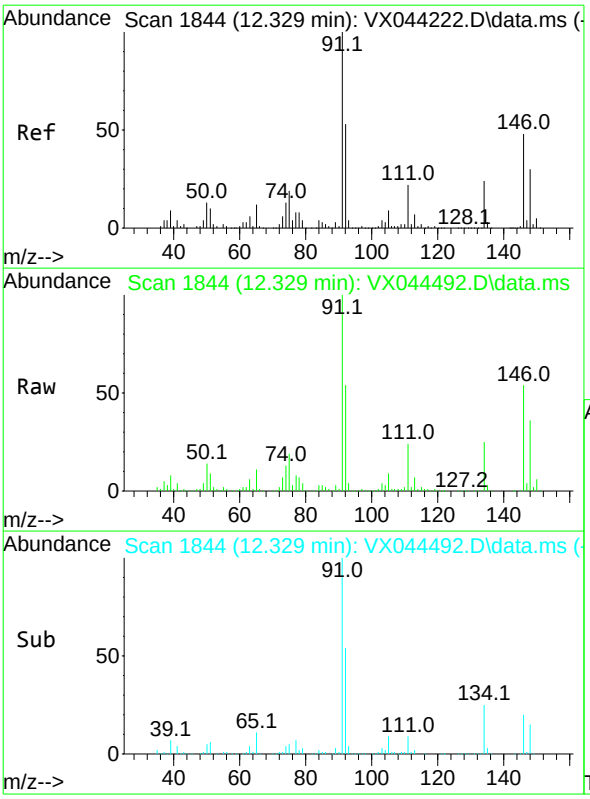



#88
1,4-Dichlorobenzene
Concen: 50.314 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:146 Resp: 163225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.0 | 21.0 | 63.0 |
| 148 | 62.6 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 50.094 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

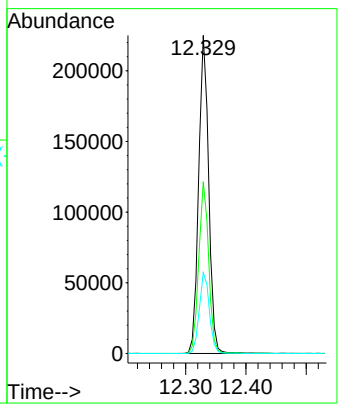
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

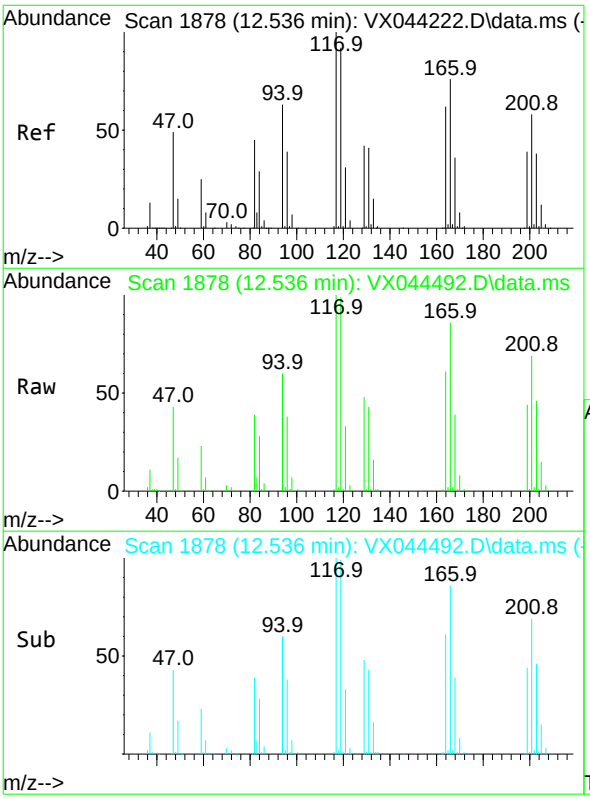
Tgt Ion: 91 Resp: 259880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 26.6 | 79.7 |
| 134 | 25.7 | 12.6 | 37.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

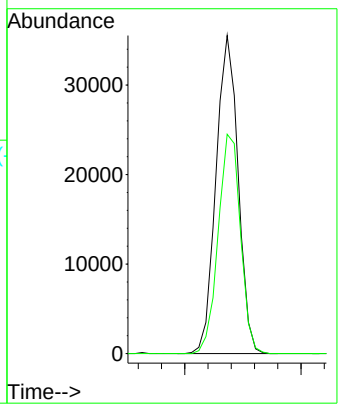


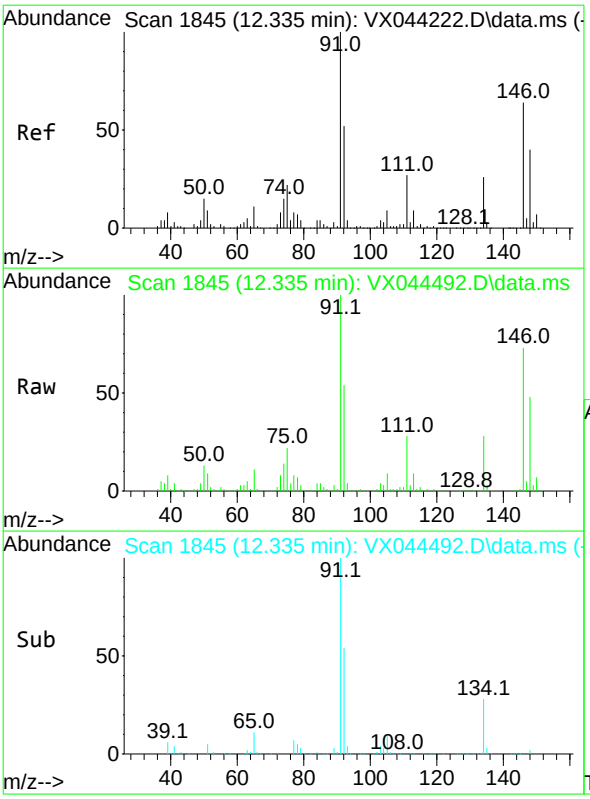




#90
Hexachloroethane
Concen: 52.126 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:117 Resp: 46945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 69.5 | 31.4 | 94.2 |






#91
1,2-Dichlorobenzene
Concen: 49.511 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

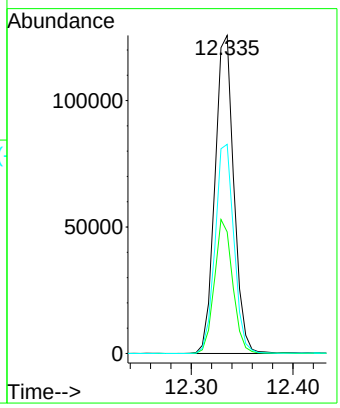
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

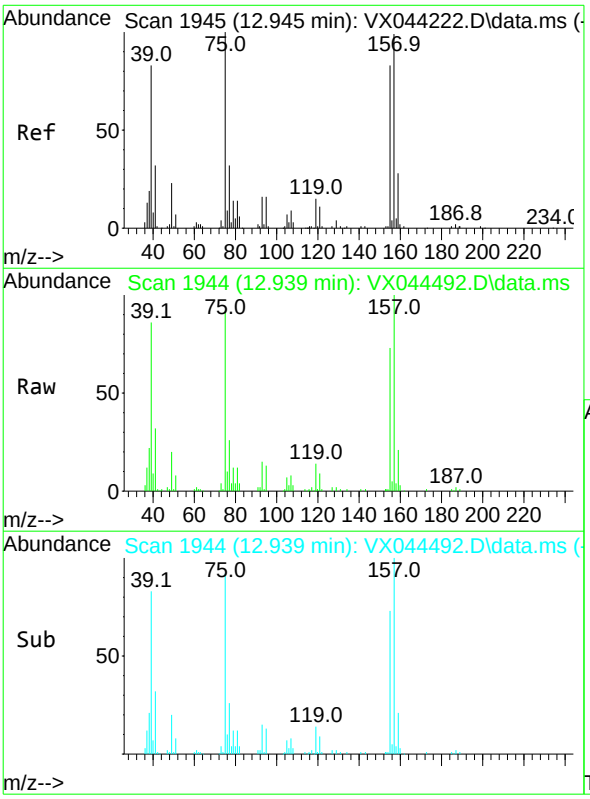
Tgt Ion:146 Resp: 162236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 21.4 | 64.3 |
| 148 | 65.8 | 31.6 | 95.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

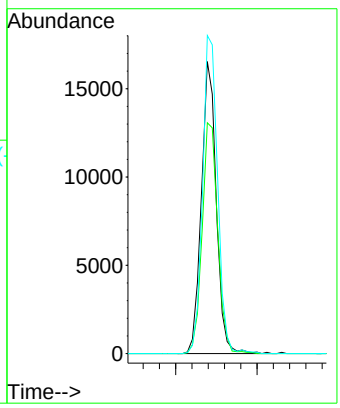


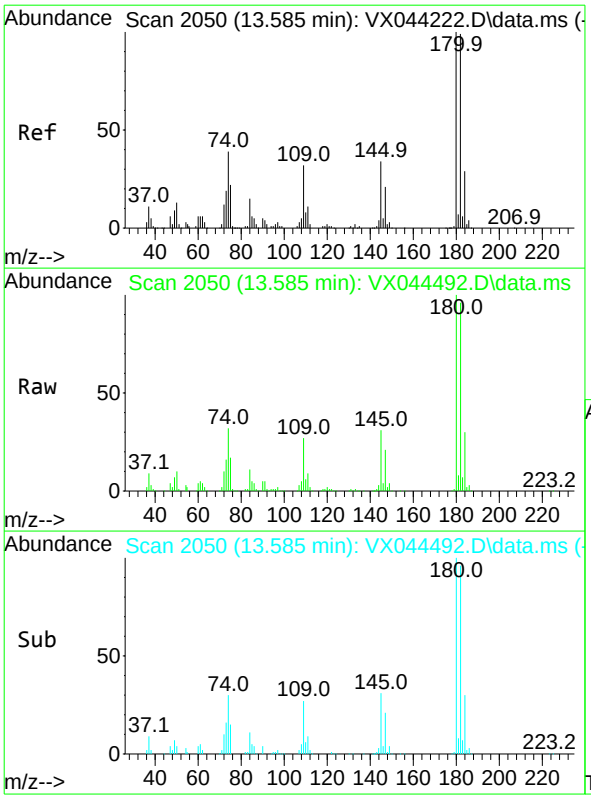




#92
1,2-Dibromo-3-Chloropropane
Concen: 41.860 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 75 Resp: 21028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.7 | 38.1 | 114.3 |
| 157 | 110.0 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 54.137 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

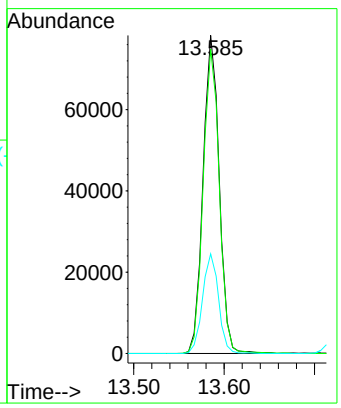
Tgt Ion:180 Resp: 97256

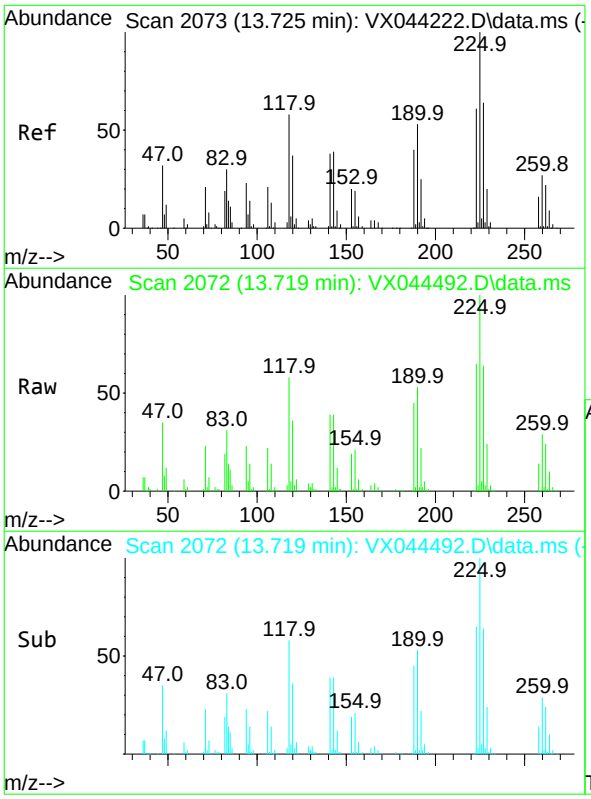
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 48.0 | 144.2 |
| 145 | 31.0 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

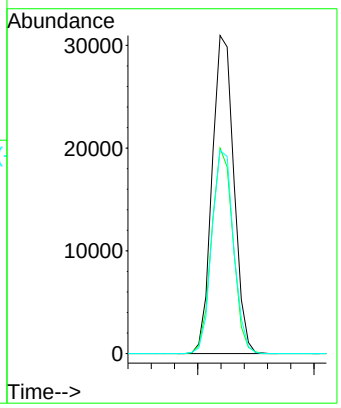


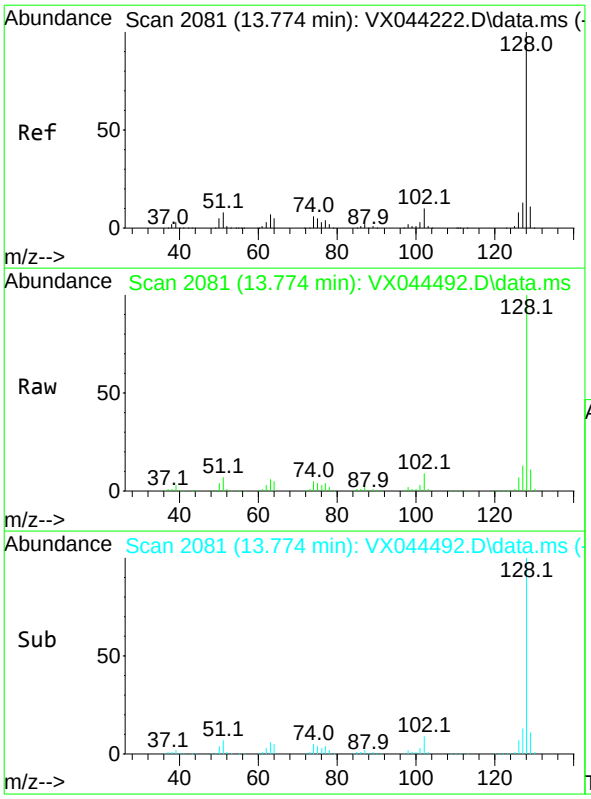




#94
Hexachlorobutadiene
Concen: 55.660 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:225 Resp: 40220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 30.8 | 92.4 |
| 227 | 63.8 | 32.1 | 96.3 |

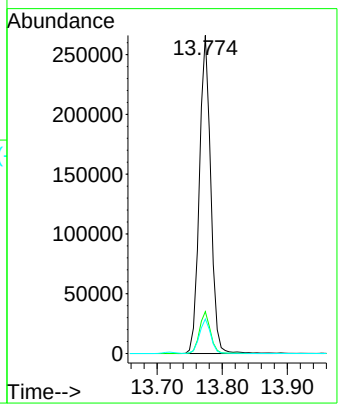





#95
Naphthalene
Concen: 45.897 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:128 Resp: 321843

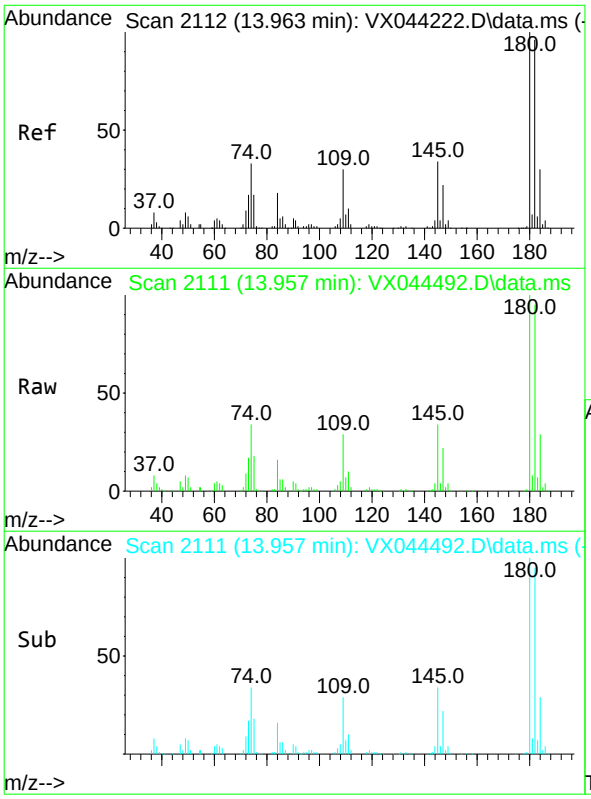
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

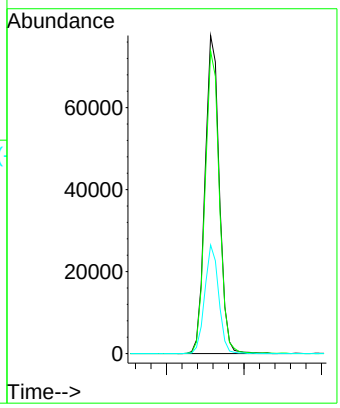
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024




#96
1,2,3-Trichlorobenzene
Concen: 52.126 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:180 Resp: 99323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 48.0 | 144.0 |
| 145 | 33.3 | 17.7 | 53.1 |



Sample Results: **VX044492.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.773 | 0.700 | 9.4 | 100 | 0.00 |
| 3 | P | Chloromethane | 0.739 | 0.678 | 8.3 | 101 | 0.00 |
| 4 | C | Vinyl Chloride | 0.770 | 0.689 | 10.5# | 99 | 0.00 |
| 5 | T | Bromomethane | 0.546 | 0.468 | 14.3 | 96 | 0.00 |
| 6 | T | Chloroethane | 0.480 | 0.442 | 7.9 | 94 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.508 | 1.069 | 29.1# | 78 | 0.00 |
| 8 | T | Diethyl Ether | 0.515 | 0.405 | 21.4 | 89 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.551 | 9.7 | 101 | 0.00 |
| 10 | T | Methyl Iodide | 0.804 | 0.806 | -0.2 | 107 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.099 | 20.2 | 93 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.531 | 5.2# | 101 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.130 | 27.4# | 79 | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.833 | 10.7 | 93 | 0.00 |
| 15 | T | Acrylonitrile | 0.342 | 0.282 | 17.5 | 89 | 0.00 |
| 16 | T | Acetone | 0.357 | 0.251 | 29.7# | 74 | -0.01 |
| 17 | T | Carbon Disulfide | 1.065 | 0.983 | 7.7 | 97 | 0.00 |
| 18 | T | Methyl Acetate | 0.922 | 0.733 | 20.5 | 87 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.187 | 1.845 | 15.6 | 90 | 0.00 |
| 20 | T | Methylene Chloride | 0.671 | 0.623 | 7.2 | 102 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.544 | 8.7 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 2.102 | 1.825 | 13.2 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 1.709 | 1.527 | 10.6 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.172 | 1.059 | 9.6 | 96 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.382 | 24.8 | 79 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.952 | 0.844 | 11.3 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.756 | 0.679 | 10.2 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 0.575 | 0.456 | 20.7 | 87 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.245 | 24.8 | 82 | 0.00 |
| 30 | C | Chloroform | 1.316 | 1.143 | 13.1# | 96 | 0.00 |
| 31 | T | Cyclohexane | 0.946 | 0.810 | 14.4 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.093 | 0.986 | 9.8 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.877 | 0.643 | 26.7# | 79 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.316 | 8.7 | 86 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.448 | 0.435 | 2.9 | 98 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.468 | 15.4 | 80 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.482 | 0.477 | 1.0 | 95 | 0.00 |
| 39 | T | Methylcyclohexane | 0.535 | 0.537 | -0.4 | 97 | 0.00 |
| 40 | TM | Benzene | 1.359 | 1.392 | -2.4 | 99 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.250 | 15.0 | 83 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.560 | 0.534 | 4.6 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.762 | 11.9 | 83 | 0.00 |
| 44 | TM | Trichloroethene | 0.339 | 0.355 | -4.7 | 102 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.347 | 0.352 | -1.4# | 98 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.275 | -2.2 | 96 | 0.00 |
| 47 | T | Bromodichloromethane | 0.465 | 0.489 | -5.2 | 96 | 0.00 |
| 48 | T | Methyl methacrylate | 0.420 | 0.368 | 12.4 | 83 | 0.00 |

Sample Results: **VX044492.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.007 | 0.0 | 91 | 0.00 |
| 50 | S | Toluene-d8 | 1.168 | 1.039 | 11.0 | 83 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.556 | 0.477 | 14.2 | 81 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.862 | -1.1# | 98 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.455 | 0.469 | -3.1 | 91 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.507 | 0.529 | -4.3 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.339 | 0.347 | -2.4 | 97 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.535 | 0.508 | 5.0 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.578 | 2.0 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.226 | 16.3 | 77 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.346 | 14.1 | 79 | 0.00 |
| 60 | T | Dibromochloromethane | 0.326 | 0.351 | -7.7 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.357 | -3.5 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.408 | 0.358 | 12.3 | 81 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 64 | T | Tetrachloroethene | 0.332 | 0.362 | -9.0 | 110 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.103 | -3.0 | 99 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.344 | 0.376 | -9.3 | 98 | 0.00 |
| 67 | C | Ethyl Benzene | 1.851 | 1.878 | -1.5# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.714 | -5.2 | 99 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.708 | -3.1 | 98 | 0.00 |
| 70 | T | Styrene | 1.102 | 1.181 | -7.2 | 99 | 0.00 |
| 71 | P | Bromoform | 0.219 | 0.245 | -11.9 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 73 | T | Isopropylbenzene | 3.828 | 3.728 | 2.6 | 97 | 0.00 |
| 74 | T | N-amyl acetate | 1.769 | 1.565 | 11.5 | 83 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.329 | 1.216 | 8.5 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.116 | 0.985 | 11.7 | 90 | 0.00 |
| 77 | T | Bromobenzene | 0.928 | 0.937 | -1.0 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 4.231 | 4.235 | -0.1 | 96 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.736 | 2.583 | 5.6 | 95 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.174 | 3.087 | 2.7 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.347 | 0.317 | 8.6 | 88 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.030 | 2.914 | 3.8 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.137 | 3.150 | -0.4 | 99 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.117 | 3.140 | -0.7 | 98 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.808 | 3.776 | 0.8 | 97 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.170 | 3.180 | -0.3 | 97 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.621 | 1.672 | -3.1 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.677 | -0.6 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 2.665 | 2.670 | -0.2 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 0.463 | 0.482 | -4.1 | 97 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.667 | 1.0 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.216 | 16.3 | 81 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.923 | 0.999 | -8.2 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.371 | 0.413 | -11.3 | 114 | 0.00 |
| 95 | T | Naphthalene | 3.603 | 3.307 | 8.2 | 88 | 0.00 |

Sample Results: **VX044492.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.979 | 1.021 | -4.3 | 102 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044492.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 113 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.252 | 9.5 | 100 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 45.851 | 8.3 | 101 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.703 | 10.6# | 99 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 42.791 | 14.4 | 96 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 46.048 | 7.9 | 94 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 35.446 | 29.1# | 78 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 39.343 | 21.3 | 89 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 45.146 | 9.7 | 101 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 50.107 | -0.2 | 107 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 200.889 | 19.6 | 93 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.404 | 5.2# | 101 | 0.00 |
| 13 | T | Acrolein | 250.000 | 181.285 | 27.5# | 79 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.605 | 10.8 | 93 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 206.319 | 17.5 | 89 | 0.00 |
| 16 | T | Acetone | 250.000 | 175.552 | 29.8# | 74 | -0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 46.135 | 7.7 | 97 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 39.750 | 20.5 | 87 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 42.170 | 15.7 | 90 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.423 | 7.2 | 102 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.648 | 8.7 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 43.412 | 13.2 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 223.409 | 10.6 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 45.194 | 9.6 | 96 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 188.131 | 24.7 | 79 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.358 | 11.3 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 44.871 | 10.3 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 39.671 | 20.7 | 87 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 187.586 | 25.0 | 82 | 0.00 |
| 30 | C | Chloroform | 50.000 | 43.416 | 13.2# | 96 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 42.794 | 14.4 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 45.118 | 9.8 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 36.671 | 26.7# | 79 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 45.677 | 8.6 | 86 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.625 | 2.8 | 98 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 42.249 | 15.5 | 80 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.513 | 1.0 | 95 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.139 | -0.3 | 97 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.229 | -2.5 | 99 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 42.511 | 15.0 | 83 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.653 | 4.7 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 44.034 | 11.9 | 83 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.353 | -4.7 | 102 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.659 | -1.3# | 98 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.998 | -2.0 | 96 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.527 | -5.1 | 96 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 43.837 | 12.3 | 83 | 0.00 |

Sample Results: **VX044492.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 982.728 | 1.7 | 91 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 44.446 | 11.1 | 83 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 214.305 | 14.3 | 81 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.524 | -1.0# | 98 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 47.186 | 5.6 | 91 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.242 | -4.5 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.140 | -2.3 | 97 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 47.418 | 5.2 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.972 | 2.1 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 209.048 | 16.4 | 77 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 214.776 | 14.1 | 79 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.943 | 2.1 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.675 | -3.3 | 97 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 43.908 | 12.2 | 81 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 54.558 | -9.1 | 110 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.470 | -2.9 | 99 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.615 | -9.2 | 98 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.731 | -1.5# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.040 | -5.0 | 99 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.527 | -3.1 | 98 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.584 | -7.2 | 99 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.746 | -1.5 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.696 | 2.6 | 97 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 44.229 | 11.5 | 83 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.716 | 8.6 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.099 | 11.8 | 90 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.455 | -0.9 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.048 | -0.1 | 96 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.209 | 5.6 | 95 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.618 | 2.8 | 95 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 41.730 | 16.5 | 88 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.094 | 3.8 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.203 | -0.4 | 99 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.368 | -0.7 | 98 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.579 | 0.8 | 97 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.162 | -0.3 | 97 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.562 | -3.1 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.314 | -0.6 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.094 | -0.2 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 52.126 | -4.3 | 97 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.511 | 1.0 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 41.860 | 16.3 | 81 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.137 | -8.3 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 55.660 | -11.3 | 114 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 45.897 | 8.2 | 88 | 0.00 |

Sample Results: **VX044492.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.126 | -4.3 | 102 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044540.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/30/2024 13:07

Lab File ID: VX044540.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.773 | 0.704 | | -8.93 | 20 |
| Chloromethane | 0.739 | 0.649 | 0.1 | -12.18 | 20 |
| Vinyl Chloride | 0.770 | 0.670 | | -12.99 | 20 |
| Bromomethane | 0.546 | 0.451 | | -17.4 | 20 |
| Chloroethane | 0.480 | 0.420 | | -12.5 | 20 |
| Trichlorofluoromethane | 1.508 | 1.226 | | -18.7 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.610 | 0.602 | | -1.31 | 20 |
| 1,1-Dichloroethene | 0.560 | 0.548 | | -2.32 | 20 |
| Acetone | 0.357 | 0.291 | | -18.49 | 20 |
| Carbon Disulfide | 1.065 | 0.968 | | -9.11 | 20 |
| Methyl tert-butyl Ether | 2.187 | 1.898 | | -13.21 | 20 |
| Methyl Acetate | 0.922 | 0.858 | | -6.94 | 20 |
| Methylene Chloride | 0.671 | 0.609 | | -9.24 | 20 |
| trans-1,2-Dichloroethene | 0.596 | 0.541 | | -9.23 | 20 |
| 1,1-Dichloroethane | 1.172 | 1.067 | 0.1 | -8.96 | 20 |
| Cyclohexane | 0.946 | 0.837 | | -11.52 | 20 |
| 2-Butanone | 0.508 | 0.441 | | -13.19 | 20 |
| Carbon Tetrachloride | 0.482 | 0.508 | | 5.39 | 20 |
| cis-1,2-Dichloroethene | 0.756 | 0.696 | | -7.94 | 20 |
| Bromochloromethane | 0.575 | 0.491 | | -14.61 | 20 |
| Chloroform | 1.316 | 1.161 | | -11.78 | 20 |
| 1,1,1-Trichloroethane | 1.093 | 1.013 | | -7.32 | 20 |
| Methylcyclohexane | 0.535 | 0.577 | | 7.85 | 20 |
| Benzene | 1.359 | 1.403 | | 3.16 | 20 |
| 1,2-Dichloroethane | 0.560 | 0.548 | | -2.14 | 20 |
| Trichloroethene | 0.339 | 0.365 | | 7.67 | 20 |
| 1,2-Dichloropropane | 0.347 | 0.354 | | 2.02 | 20 |
| Bromodichloromethane | 0.465 | 0.504 | | 8.39 | 20 |
| 4-Methyl-2-Pentanone | 0.556 | 0.557 | | 0.18 | 20 |
| Toluene | 0.853 | 0.875 | | 2.58 | 20 |
| t-1,3-Dichloropropene | 0.455 | 0.489 | | 7.47 | 20 |
| cis-1,3-Dichloropropene | 0.507 | 0.549 | | 8.28 | 20 |
| 1,1,2-Trichloroethane | 0.339 | 0.365 | | 7.67 | 20 |
| 2-Hexanone | 0.403 | 0.408 | | 1.24 | 20 |
| Dibromochloromethane | 0.326 | 0.376 | | 15.34 | 20 |
| 1,2-Dibromoethane | 0.345 | 0.387 | | 12.17 | 20 |
| Tetrachloroethene | 0.332 | 0.375 | | 12.95 | 20 |
| Chlorobenzene | 1.071 | 1.137 | 0.3 | 6.16 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044540.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/30/2024 13:07

Lab File ID: VX044540.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 1.950 | | 5.29 | 20 |
| m/p-Xylenes | 0.679 | 0.724 | | 6.63 | 20 |
| o-Xylene | 0.687 | 0.730 | | 6.26 | 20 |
| Styrene | 1.102 | 1.225 | | 11.16 | 20 |
| Bromoform | 0.219 | 0.274 | 0.1 | 25.11 | 20 |
| Isopropylbenzene | 3.828 | 3.771 | | -1.49 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.329 | 1.246 | 0.3 | -6.24 | 20 |
| 1,3-Dichlorobenzene | 1.621 | 1.705 | | 5.18 | 20 |
| 1,4-Dichlorobenzene | 1.667 | 1.687 | | 1.2 | 20 |
| 1,2-Dichlorobenzene | 1.684 | 1.724 | | 2.38 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.258 | 0.243 | | -5.81 | 20 |
| 1,2,4-Trichlorobenzene | 0.923 | 1.049 | | 13.65 | 20 |
| 1,2,3-Trichlorobenzene | 0.979 | 1.098 | | 12.15 | 20 |
| 1,2-Dichloroethane-d4 | 0.877 | 0.712 | | -18.81 | 20 |
| Dibromofluoromethane | 0.346 | 0.347 | | 0.29 | 20 |
| Toluene-d8 | 1.168 | 1.152 | | -1.37 | 20 |
| 4-Bromofluorobenzene | 0.408 | 0.416 | | 1.96 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 137969 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 223553 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 195826 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 98470 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 98268 | 40.623 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 81.240% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 77511 | 50.062 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.120% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 257484 | 49.293 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.580% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92916 | 50.906 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.820% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 97119 | 45.524 | ug/l | 97 |
| 3) Chloromethane | 1.294 | 50 | 89508 | 43.875 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 92481 | 43.513 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 62273 | 41.301 | ug/l | 98 |
| 6) Chloroethane | 1.660 | 64 | 58013 | 43.836 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 169183 | 40.661 | ug/l | 100 |
| 8) Diethyl Ether | 2.130 | 74 | 65134 | 45.861 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 83029 | 49.314 | ug/l | 94 |
| 10) Methyl Iodide | 2.441 | 142 | 110611 | 49.847 | ug/l | 95 |
| 11) Tert butyl alcohol | 2.995 | 59 | 69435 | 203.663 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 75538 | 48.846 | ug/l | 91 |
| 13) Acrolein | 2.233 | 56 | 70342 | 142.534 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 115796 | 44.955 | ug/l | 98 |
| 15) Acrylonitrile | 3.069 | 53 | 220193 | 233.158 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 200539m | 203.343 | ug/l | |
| 17) Carbon Disulfide | 2.495 | 76 | 133615 | 45.453 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 118398 | 46.562 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 261931 | 43.403 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 83957 | 45.325 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 74662 | 45.427 | ug/l | 97 |
| 22) Diisopropyl ether | 3.764 | 45 | 251297 | 43.324 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1085699 | 230.231 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 147276 | 45.551 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 304270 | 217.020 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 122500 | 46.637 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 96079 | 46.029 | ug/l | 94 |
| 28) Bromochloromethane | 4.897 | 49 | 67730 | 42.719 | ug/l | 92 |
| 29) Tetrahydrofuran | 5.007 | 42 | 195789 | 217.562 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 160188 | 44.097 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 115447 | 44.218 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 139739 | 46.342 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 98907 | 49.419 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 117573 | 47.524 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 113637 | 52.739 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 128975 | 53.905 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 313533 | 51.597 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 63812 | 48.575 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 122458 | 48.922 | ug/l | | 96 |
| 43) Isopropyl Acetate | 6.342 | 43 | 191709 | 49.578 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 81658 | 53.888 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 79249 | 51.047 | ug/l | | 93 |
| 46) Dibromomethane | 7.580 | 93 | 61783 | 51.298 | ug/l | | 91 |
| 47) Bromodichloromethane | 7.818 | 83 | 112645 | 54.155 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 91897 | 48.959 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 34501m | 1108.620 | ug/l | | |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 622530 | 250.388 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 195660 | 51.274 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 109219 | 48.988 | ug/l | | 94 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 122807 | 54.223 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 81590 | 53.821 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 122100 | 51.019 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 134878 | 51.116 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 279710 | 231.727 | ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 456184 | 253.490 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.519 | 129 | 84109 | 52.230 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 86500 | 56.057 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.269 | 164 | 73466 | 56.524 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 222713 | 53.076 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 77293 | 57.314 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 381762 | 52.655 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 283669 | 106.627 | ug/l | | 97 |
| 69) o-Xylene | 10.640 | 106 | 142859 | 53.072 | ug/l | | 94 |
| 70) Styrene | 10.653 | 104 | 239936 | 55.603 | ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 53742 | 56.136 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 371310 | 49.257 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 159962 | 45.915 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 122724 | 46.872 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 103237m | 46.956 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 93453 | 51.123 | ug/l | | 93 |
| 78) n-propylbenzene | 11.305 | 91 | 414470 | 49.746 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 253407 | 47.028 | ug/l | | 95 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 309707 | 49.542 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 33669 | 44.565 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 289361 | 48.495 | ug/l | | 97 |
| 83) tert-Butylbenzene | 11.713 | 119 | 311269 | 50.383 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 311357 | 50.715 | ug/l | | 96 |
| 85) sec-Butylbenzene | 11.890 | 105 | 385987 | 51.464 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 323908 | 51.888 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 167888 | 52.579 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 166124 | 50.610 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 273813 | 52.164 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 48767 | 53.517 | ug/l | | 88 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 169759 | 51.202 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 23942 | 47.105 | ug/l | | 83 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 103255 | 56.806 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 43572 | 59.595 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 362347 | 51.070 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 108119 | 56.081 | ug/l | | 98 |

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

Sample Results: **VX044540.D**

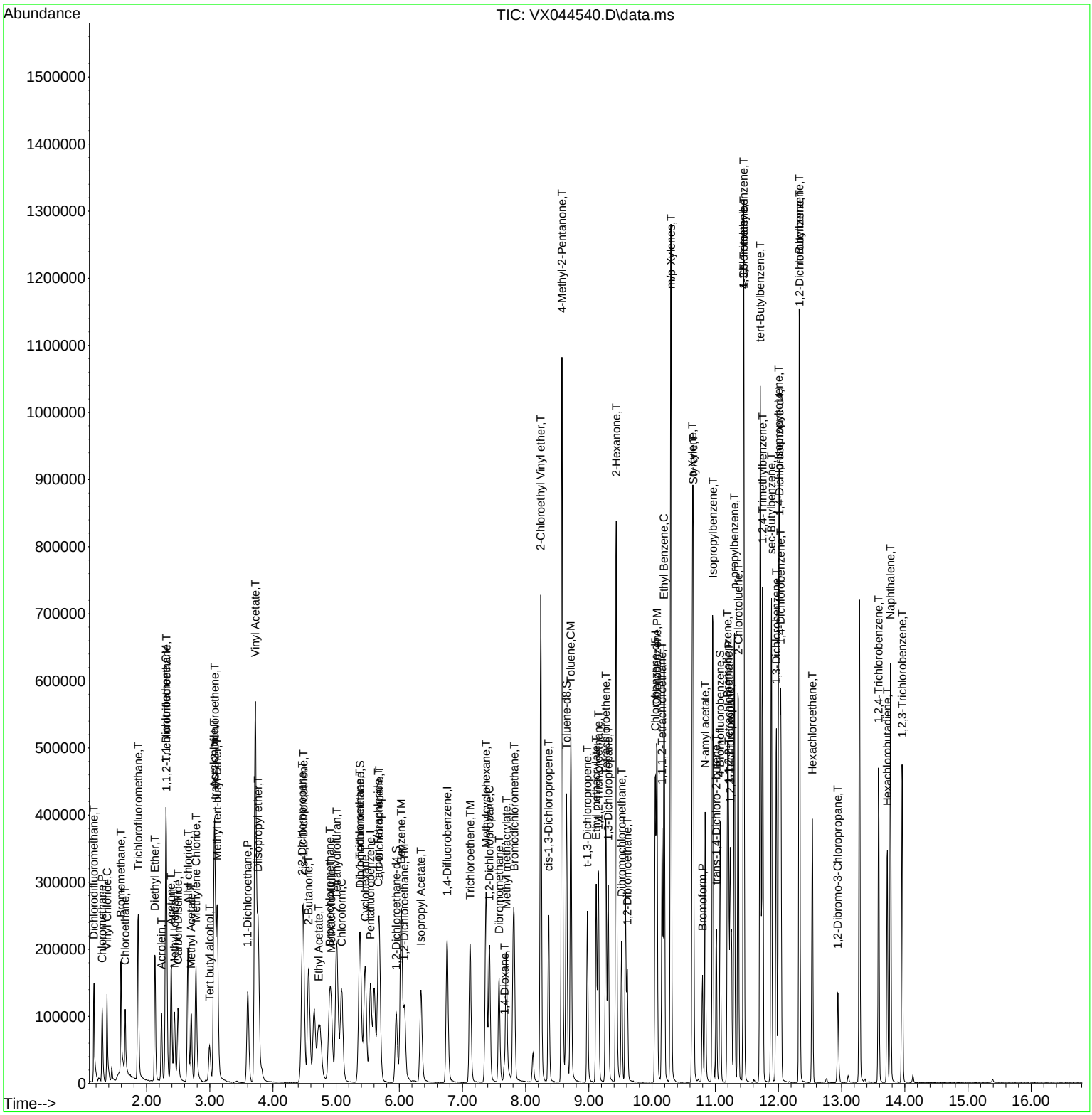
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

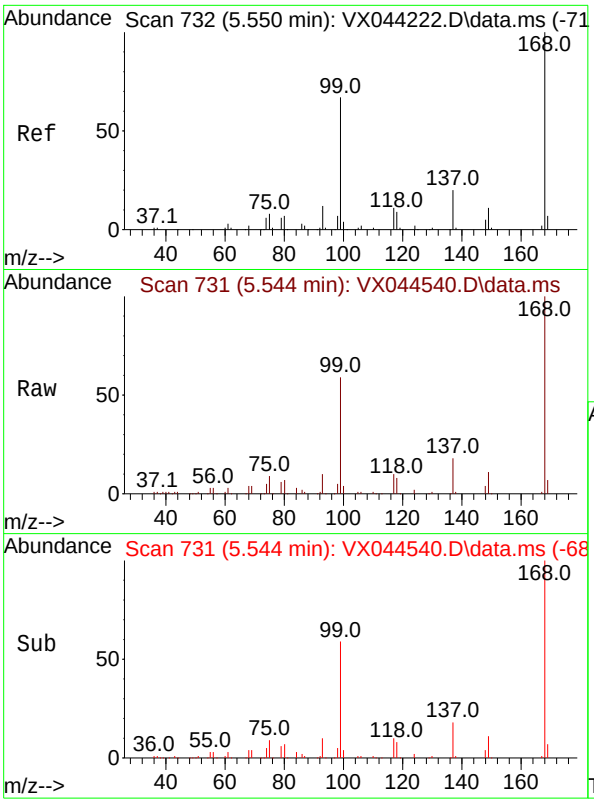
Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

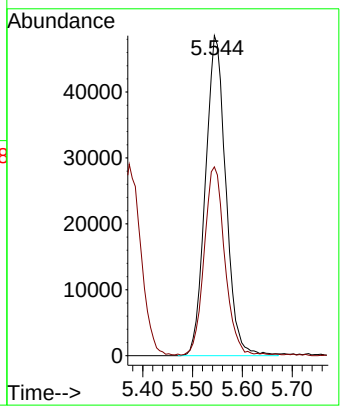





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:168 Resp: 13796

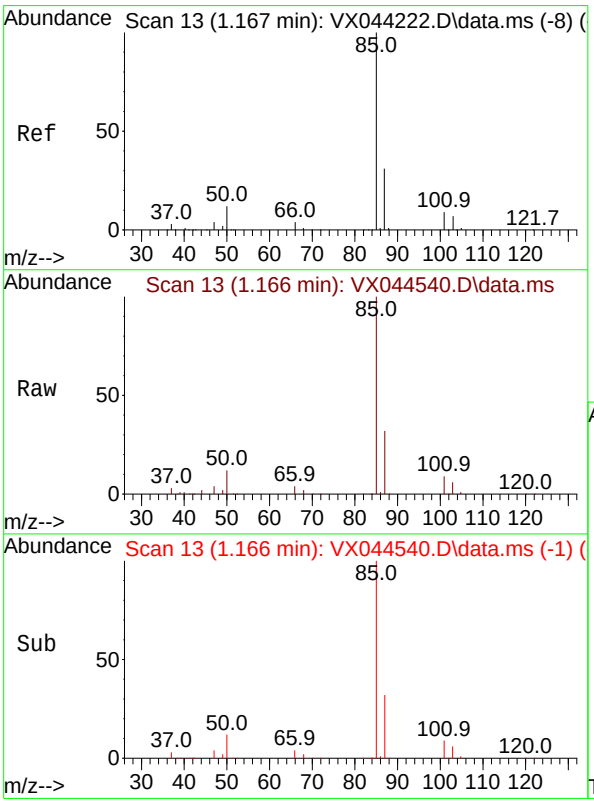
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.6 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

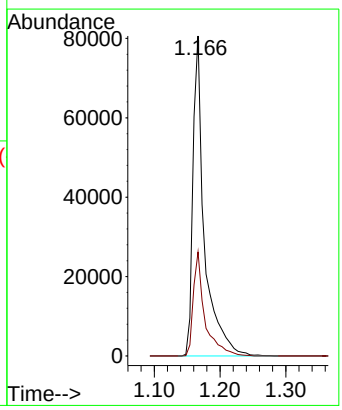
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

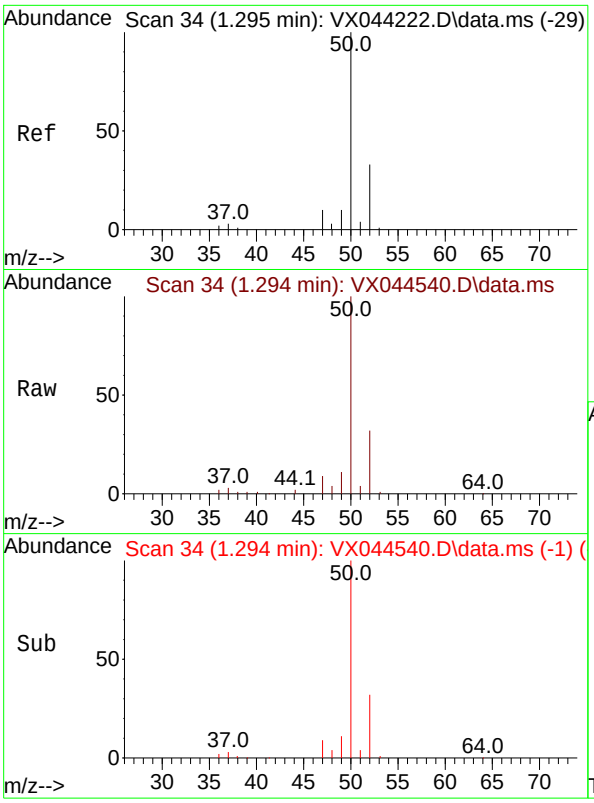



#2
Dichlorodifluoromethane
Concen: 45.524 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 85 Resp: 97119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 15.4 | 46.4 |






#3
Chloromethane
Concen: 43.875 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

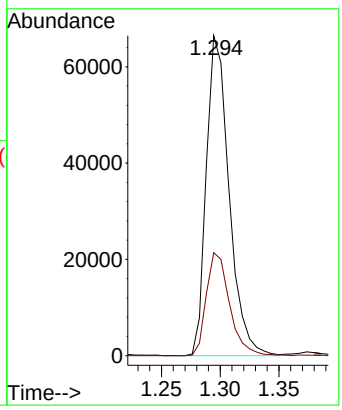
Tgt Ion: 50 Resp: 8950

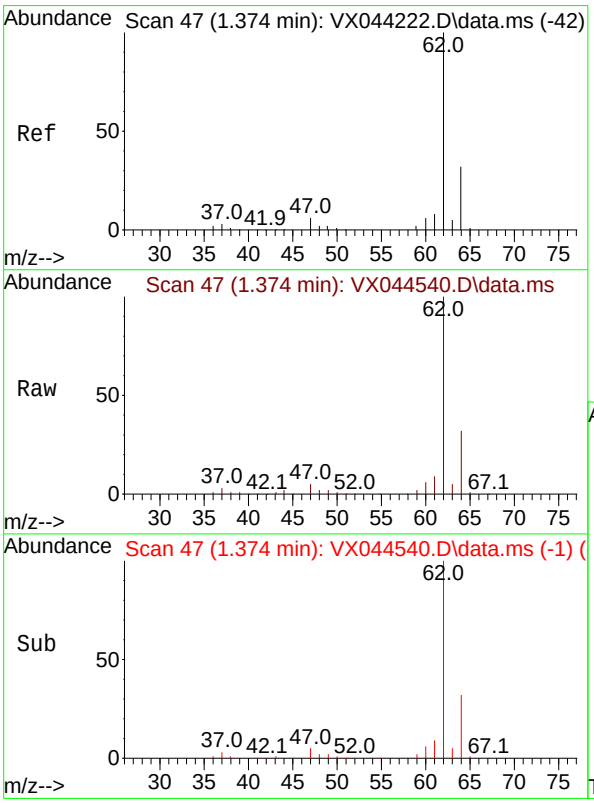
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 26.5 | 39.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

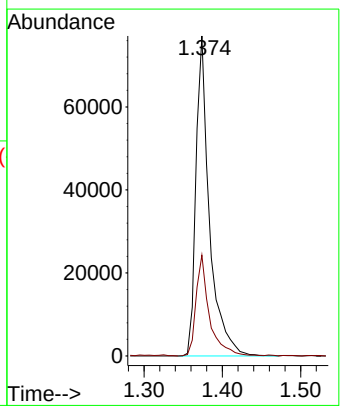


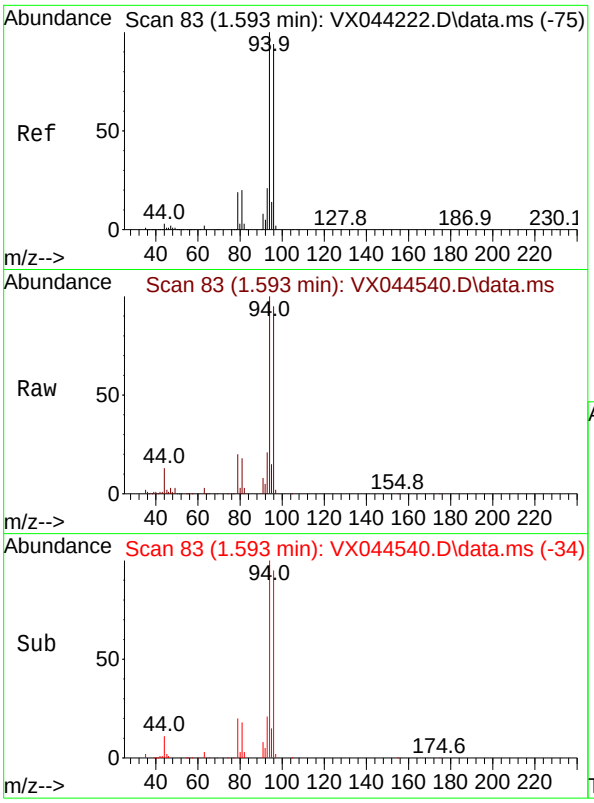




#4
Vinyl Chloride
Concen: 43.513 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 62 Resp: 92481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 25.7 | 38.5 |

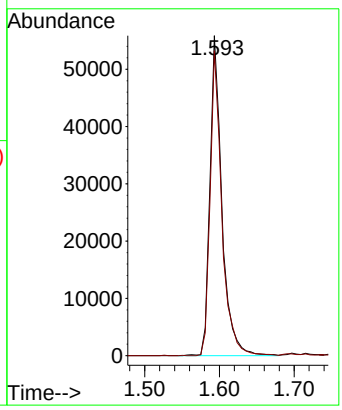





#5
Bromomethane
Concen: 41.301 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 94 Resp: 6227

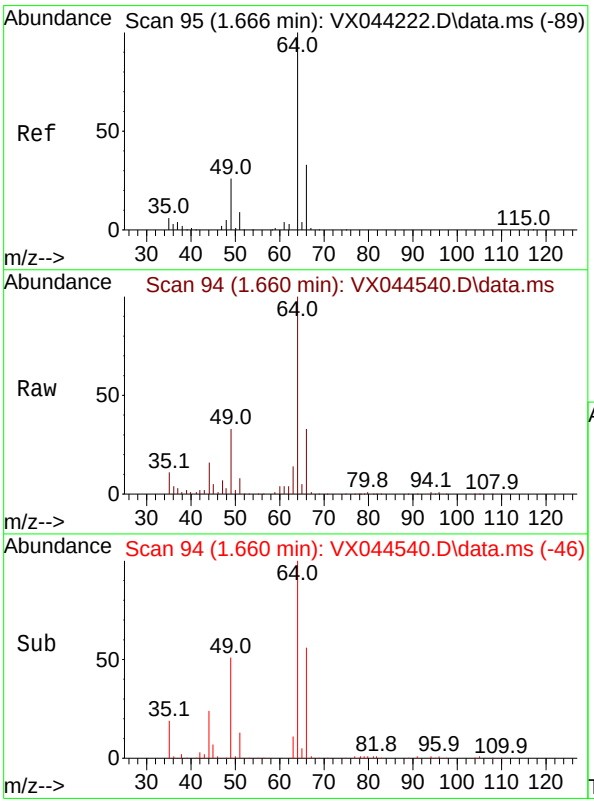
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.3 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

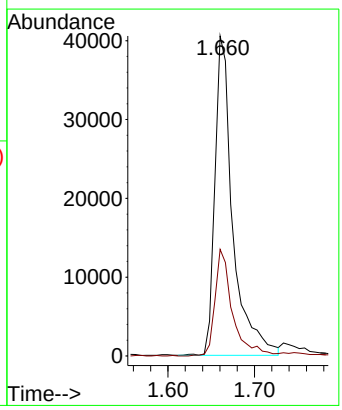
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

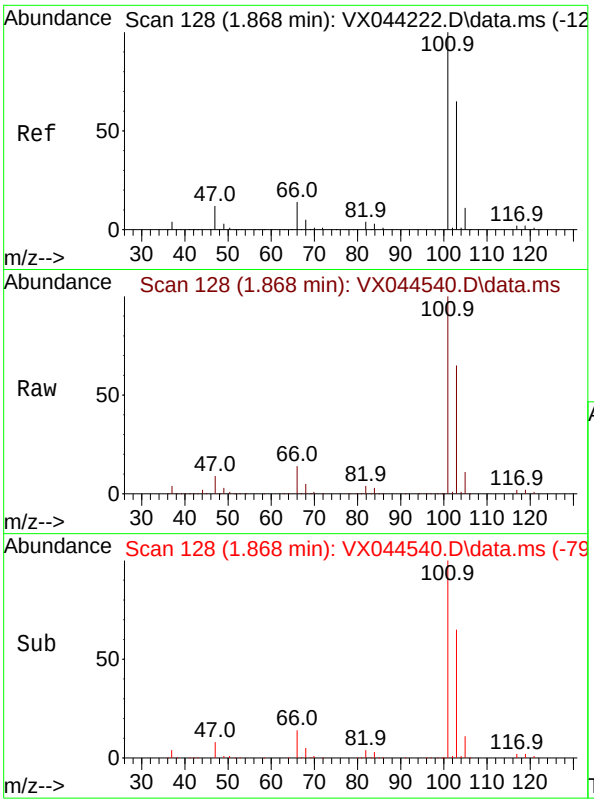



#6
Chloroethane
Concen: 43.836 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 64 Resp: 58013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.4 | 26.6 | 39.8 |






#7
Trichlorofluoromethane
Concen: 40.661 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

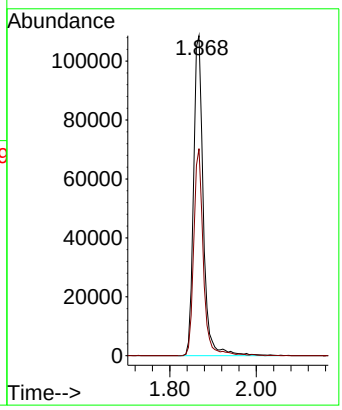
Tgt Ion:101 Resp: 16918

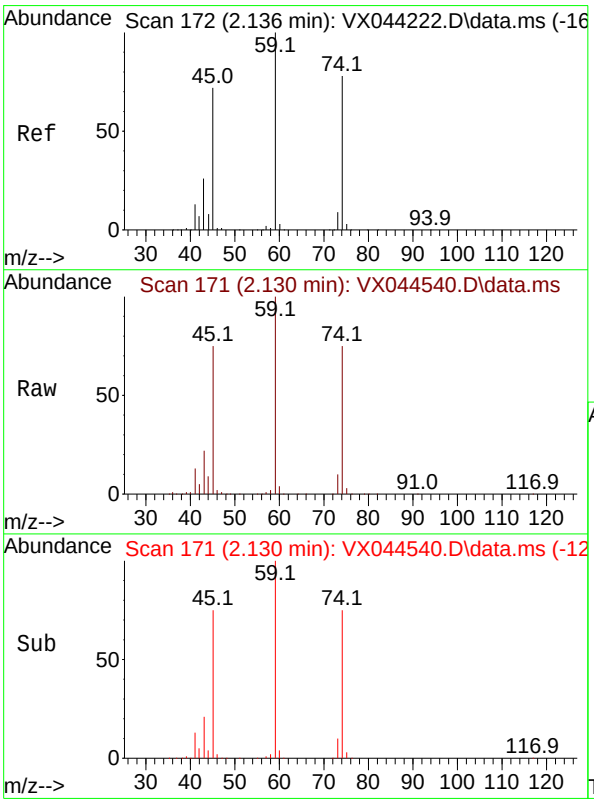
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.7 | 51.8 | 77.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

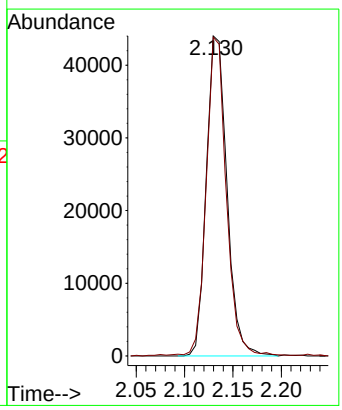


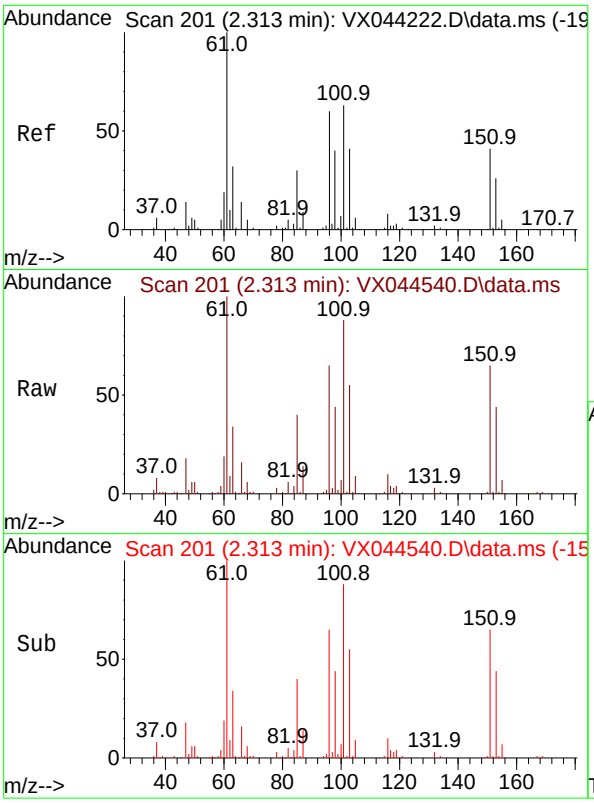




#8
Diethyl Ether
Concen: 45.861 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 74 Resp: 65134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.6 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.314 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

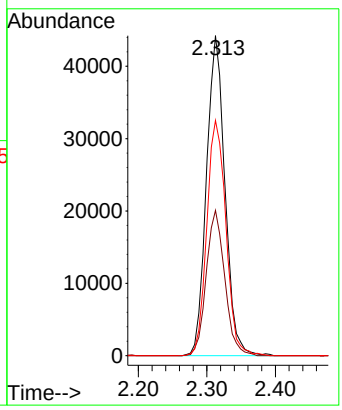
Tgt Ion:101 Resp: 8302

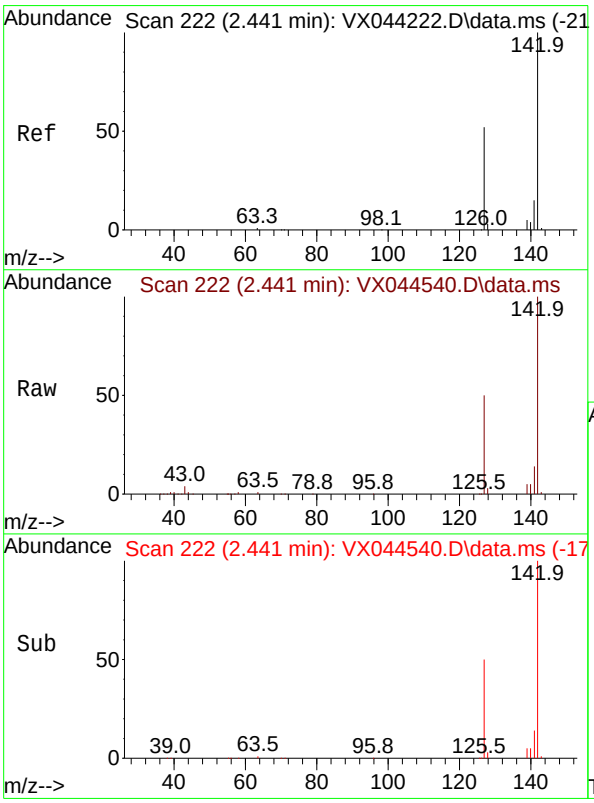
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 38.5 | 57.7 |
| 151 | 76.2 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

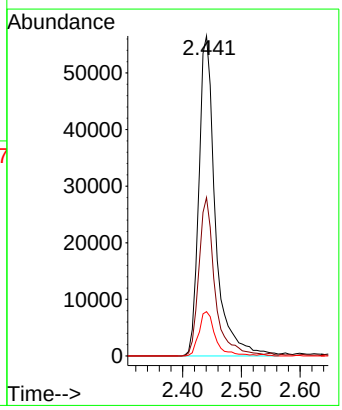


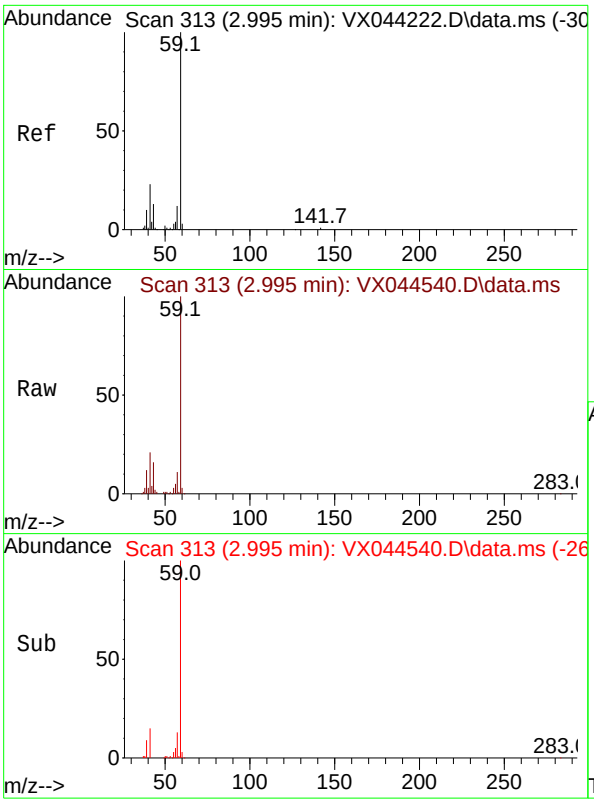




#10
Methyl Iodide
Concen: 49.847 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:142 Resp: 110611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.2 | 41.8 | 62.8 |
| 141 | 13.9 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 203.663 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 59 Resp: 6943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.8 | 13.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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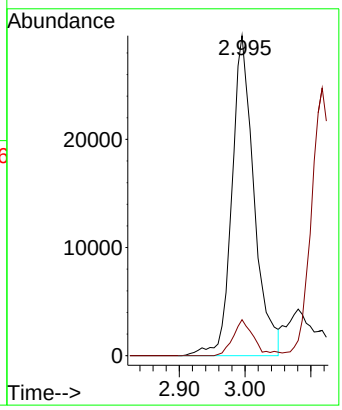
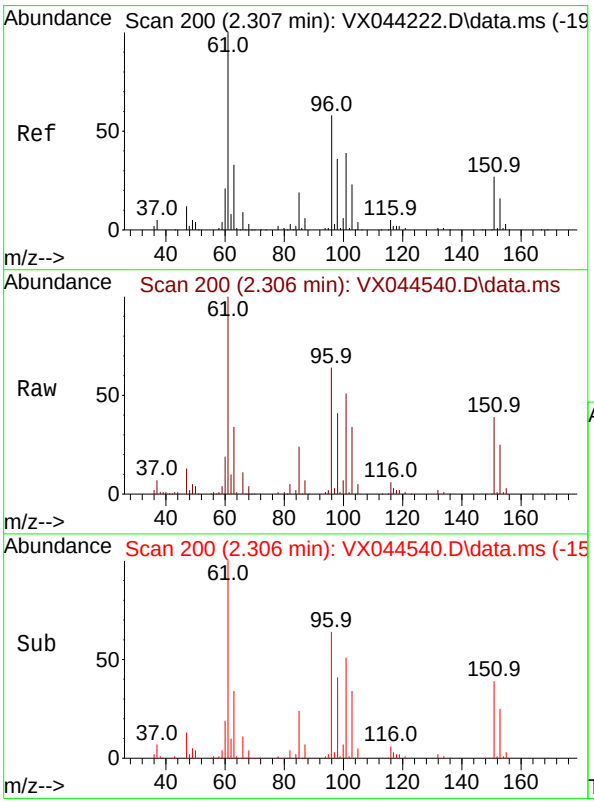
Supervised By :Mahesh Dadoda 12/31/2024

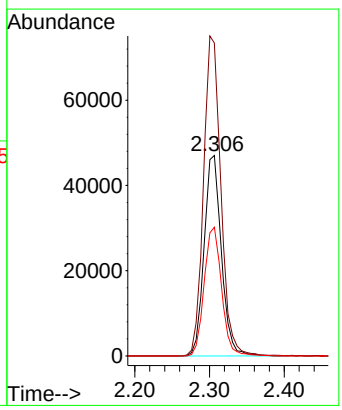


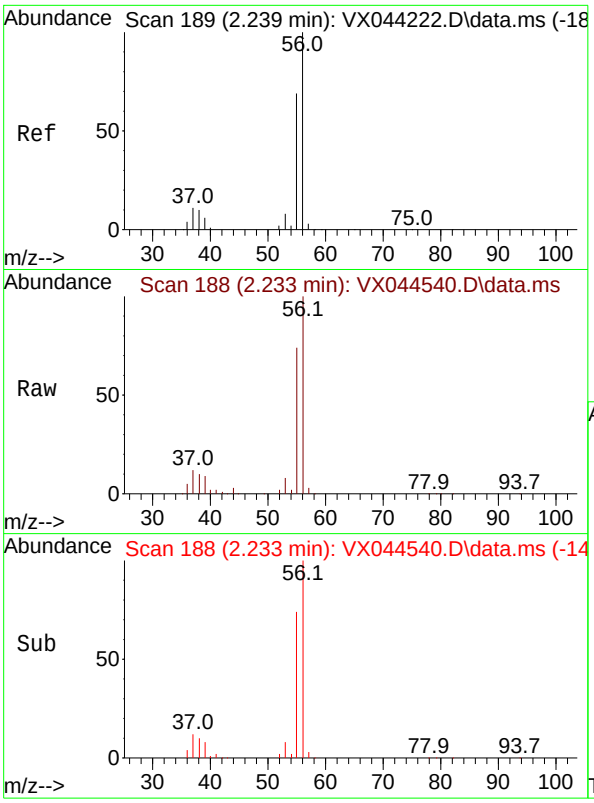




#12
1,1-Dichloroethene
Concen: 48.846 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 96 Resp: 75538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.1 | 138.0 | 207.0 |
| 98 | 64.3 | 50.0 | 75.0 |






#13
Acrolein
Concen: 142.534 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

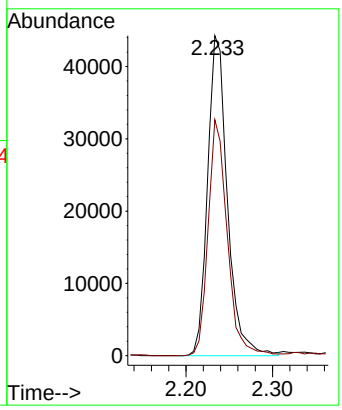
Tgt Ion: 56 Resp: 7034

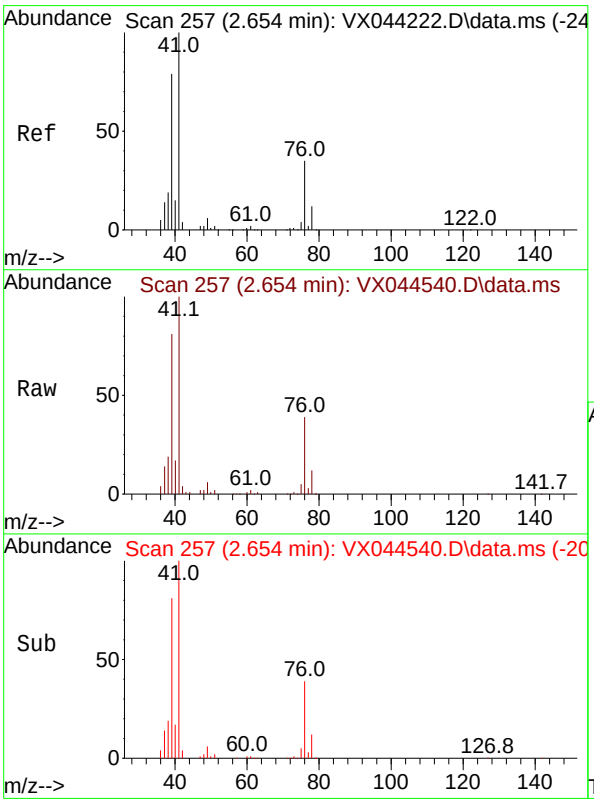
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.3 | 56.6 | 84.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

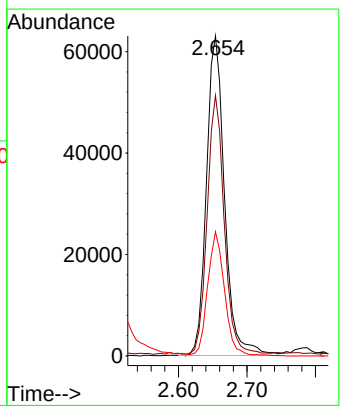


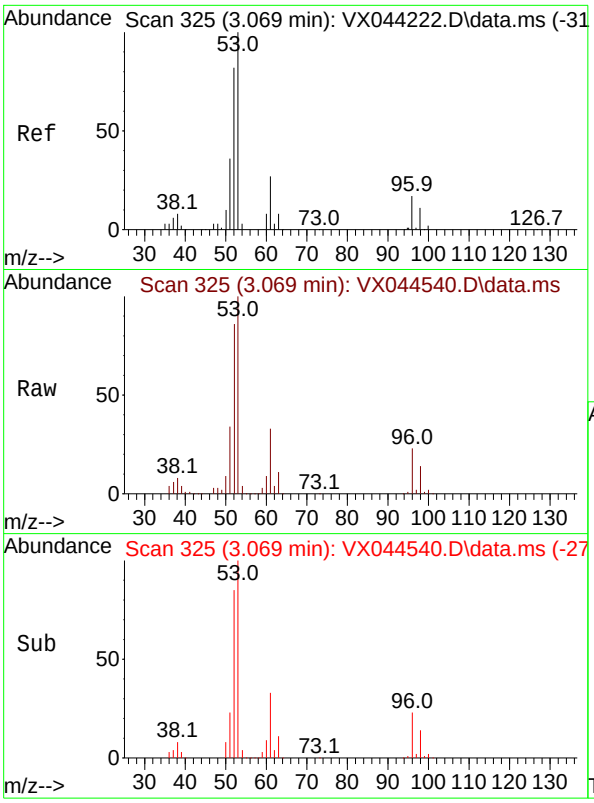




#14
Allyl chloride
Concen: 44.955 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 41 Resp: 115796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.1 | 61.9 | 92.9 |
| 76 | 36.4 | 27.4 | 41.2 |

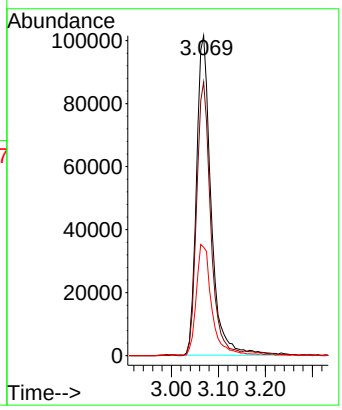





#15
Acrylonitrile
Concen: 233.158 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 53 Resp: 22019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 67.4 | 101.0 |
| 51 | 36.4 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
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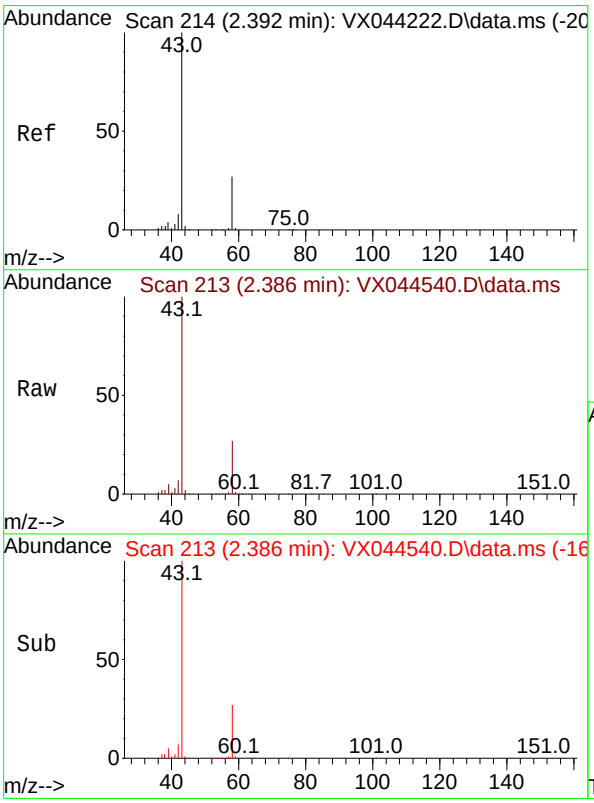
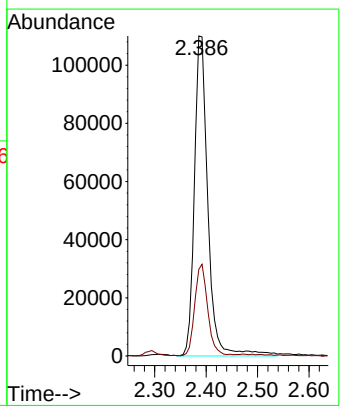
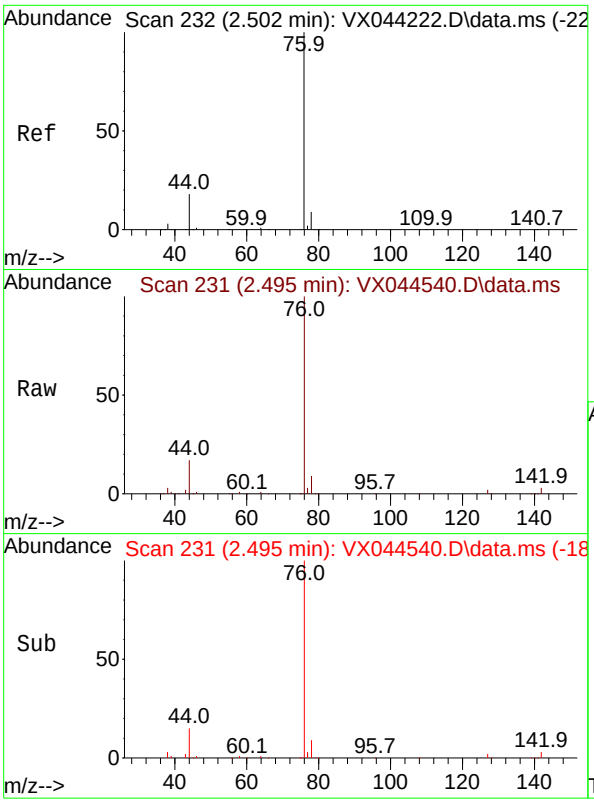



#16
Acetone
Concen: 203.343 ug/l m
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 200539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.1 | 21.6 | 32.4 |






#17
Carbon Disulfide
Concen: 45.453 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 76 Resp: 13361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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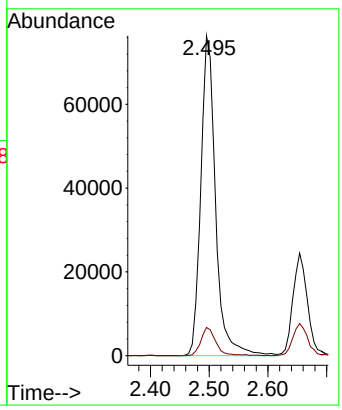
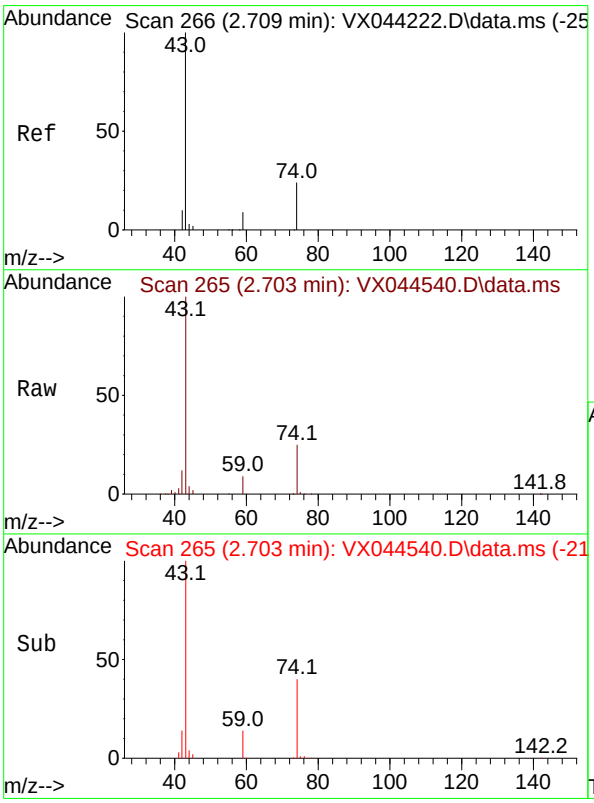
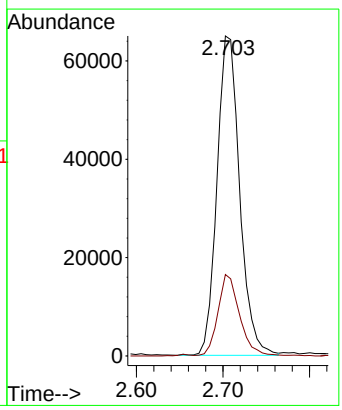


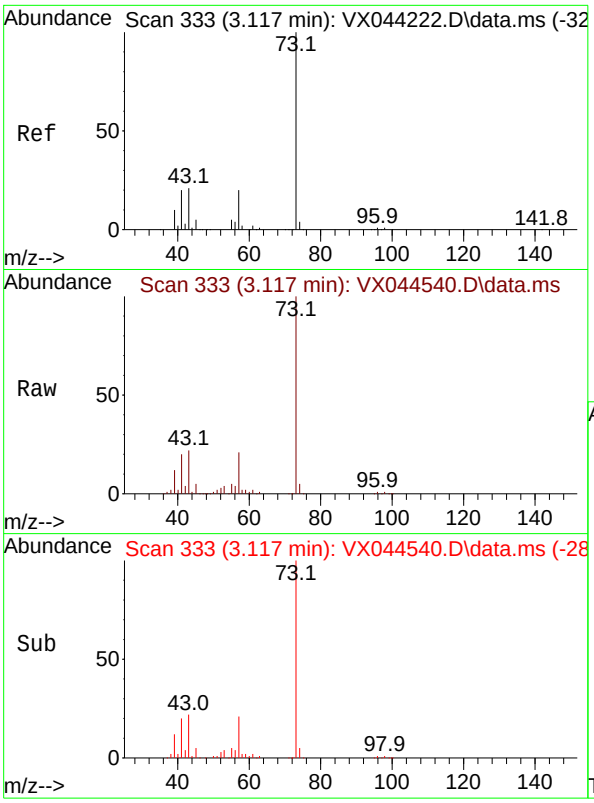




#18
Methyl Acetate
Concen: 46.562 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 118398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 17.7 | 26.5 |






#19
Methyl tert-butyl Ether
Concen: 43.403 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 73 Resp: 26193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 16.2 | 24.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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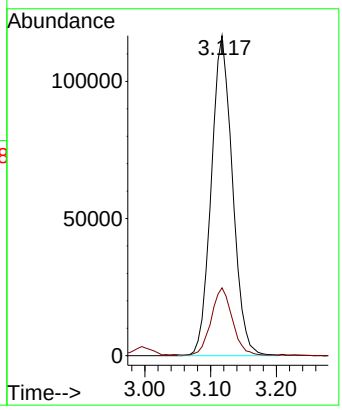
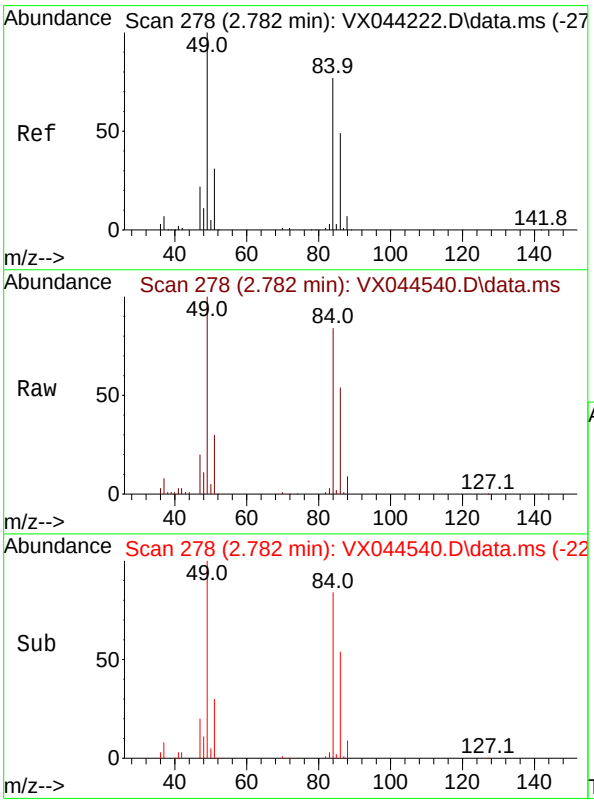
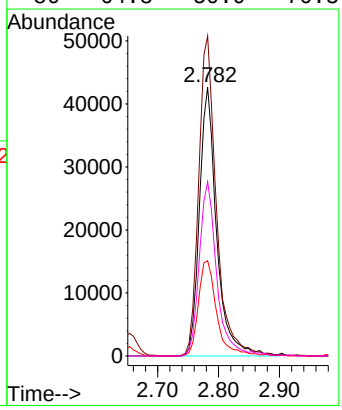


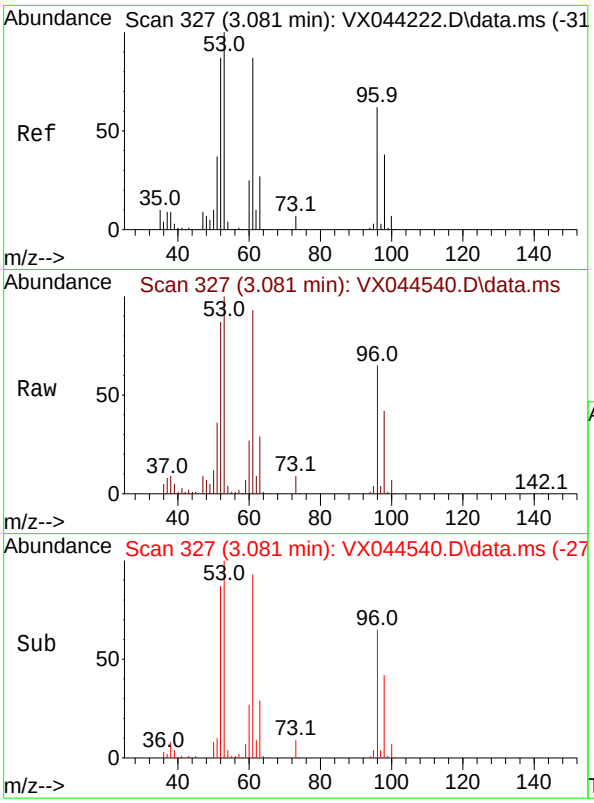




#20
Methylene Chloride
Concen: 45.325 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 84 Resp: 83957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 119.1 | 104.2 | 156.4 |
| 51 | 35.4 | 32.2 | 48.4 |
| 86 | 64.8 | 50.9 | 76.3 |

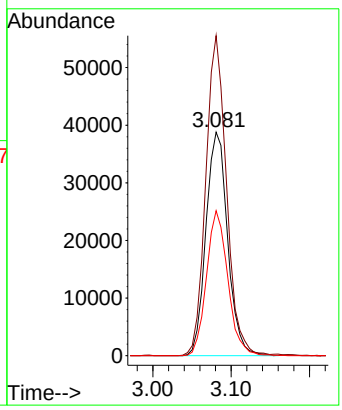





#21
trans-1,2-Dichloroethene
Concen: 45.427 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 96 Resp: 7466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.2 | 112.0 | 168.0 |
| 98 | 64.8 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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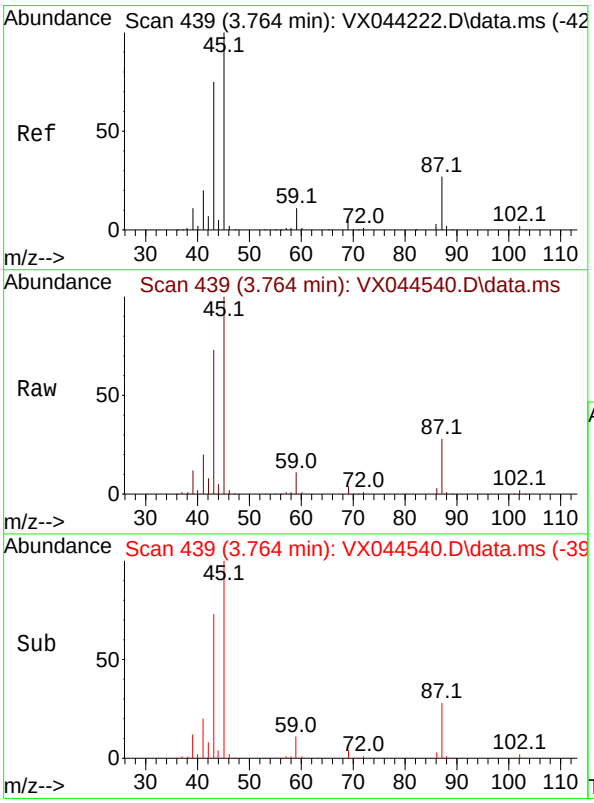
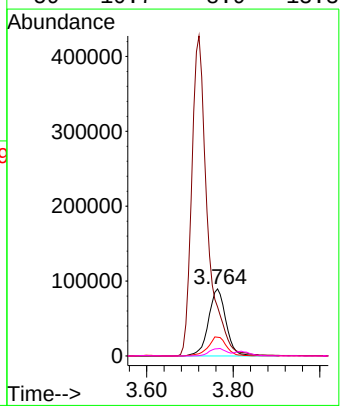
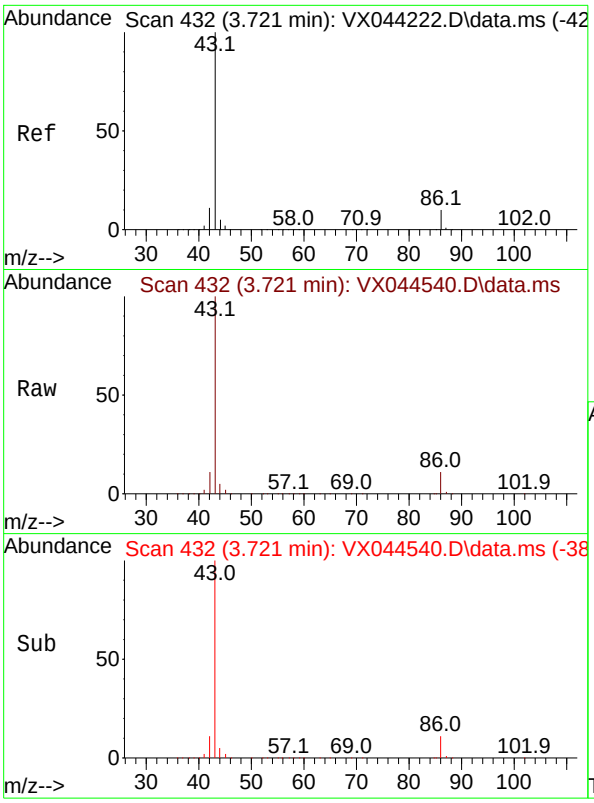



#22
Diisopropyl ether
Concen: 43.324 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 45 Resp: 251297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 73.1 | 60.2 | 90.2 |
| 87 | 28.0 | 21.2 | 31.8 |
| 59 | 10.7 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 230.231 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 108569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.1 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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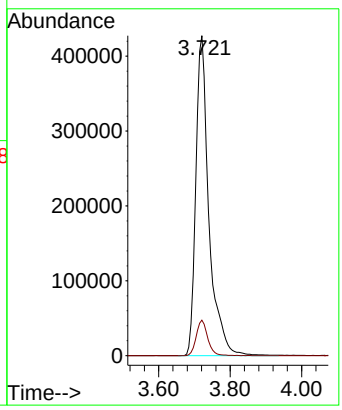
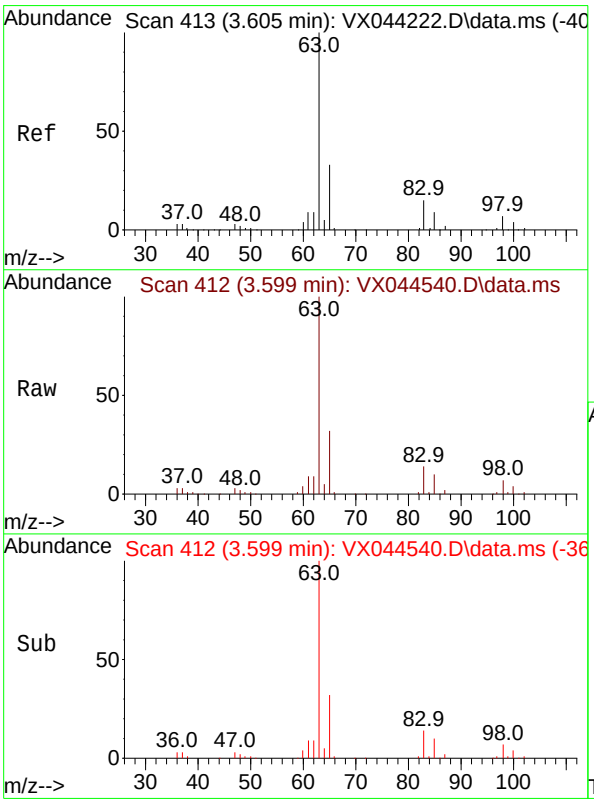
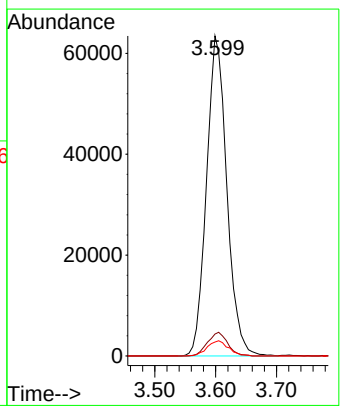


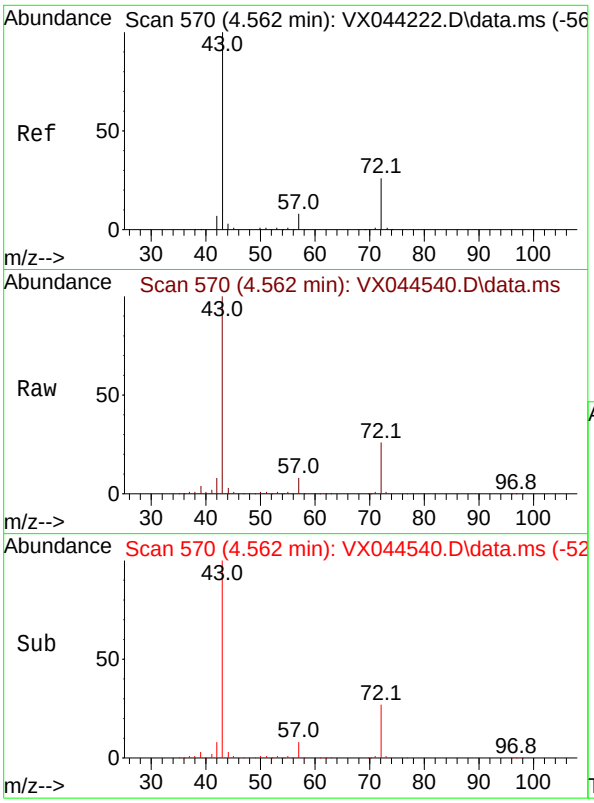




#24
1,1-Dichloroethane
Concen: 45.551 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 63 Resp: 147276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.6 | 10.8 |
| 100 | 4.4 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 217.020 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

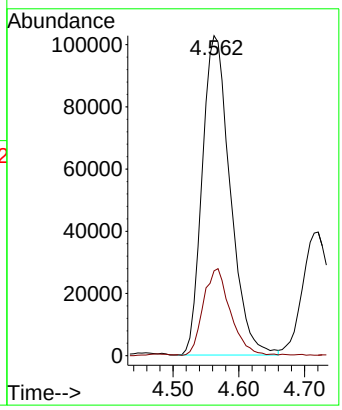
Tgt Ion: 43 Resp: 30427

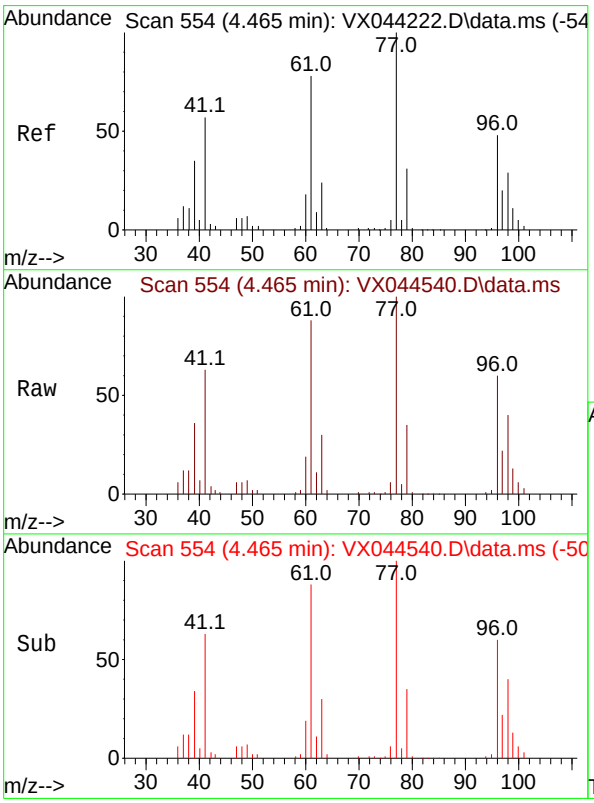
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

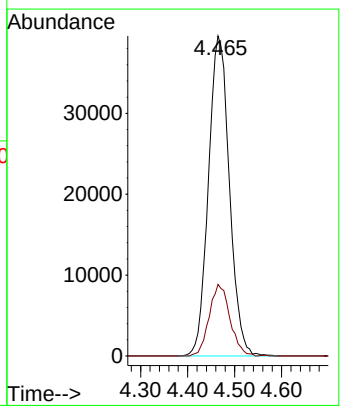


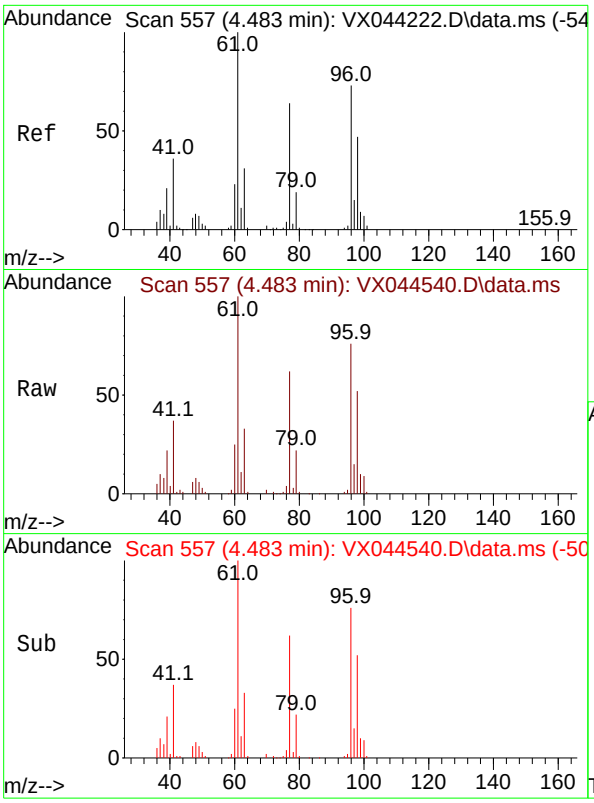




#26
2,2-Dichloropropane
Concen: 46.637 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 77 Resp: 122500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 10.7 | 32.1 |






#27
cis-1,2-Dichloroethene
Concen: 46.029 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 96 Resp: 9607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.6 | 0.0 | 299.0 |
| 98 | 65.4 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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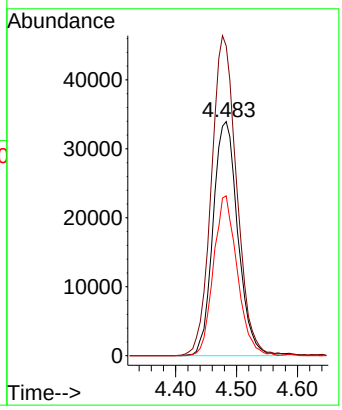
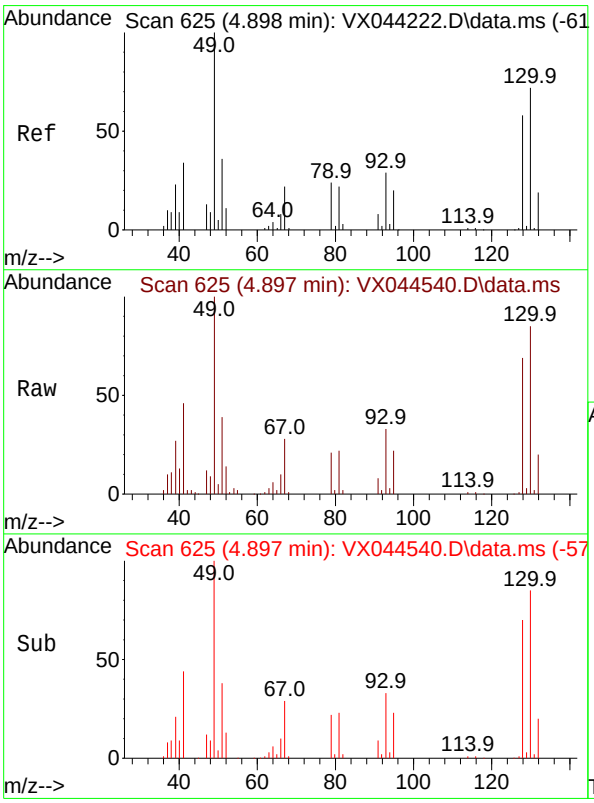
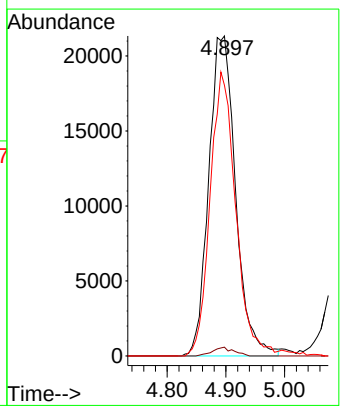


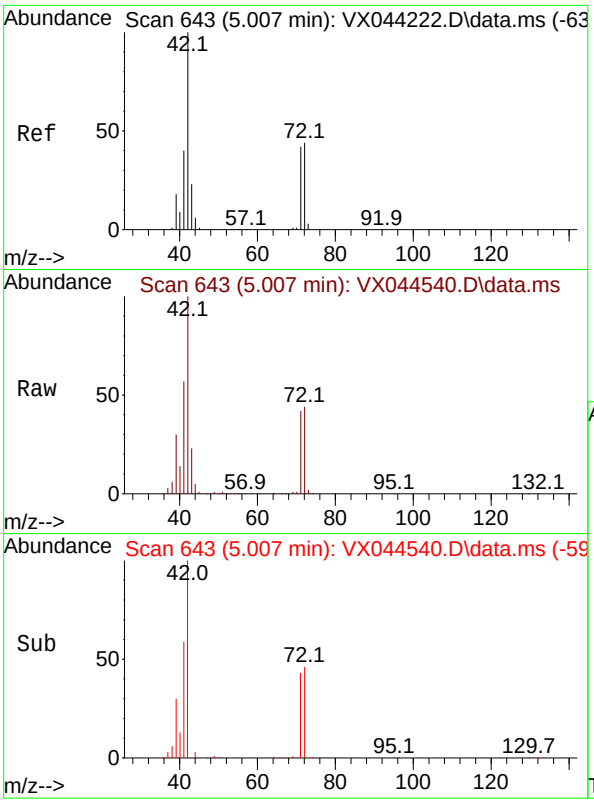




#28
Bromochloromethane
Concen: 42.719 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 49 Resp: 67730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.2 |
| 130 | 84.6 | 62.1 | 93.1 |






#29
Tetrahydrofuran
Concen: 217.562 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 42 Resp: 19578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.6 | 37.0 | 55.6 |
| 71 | 43.2 | 33.6 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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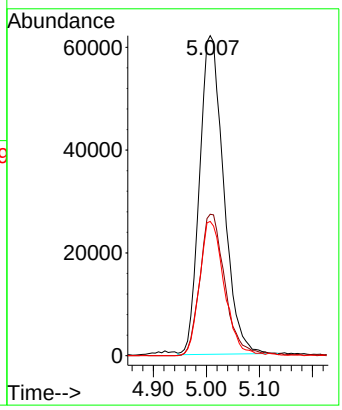
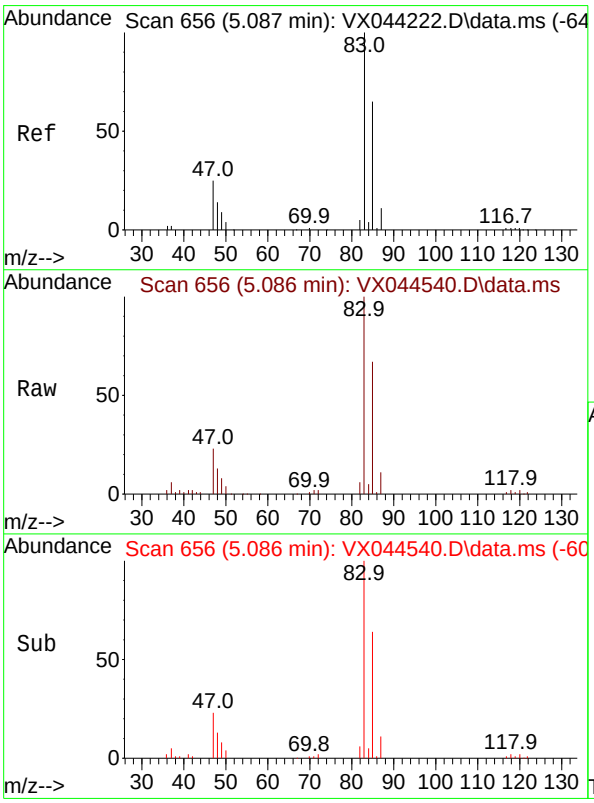
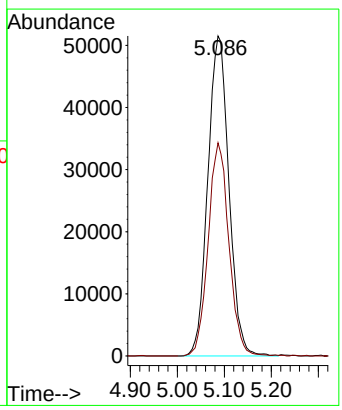


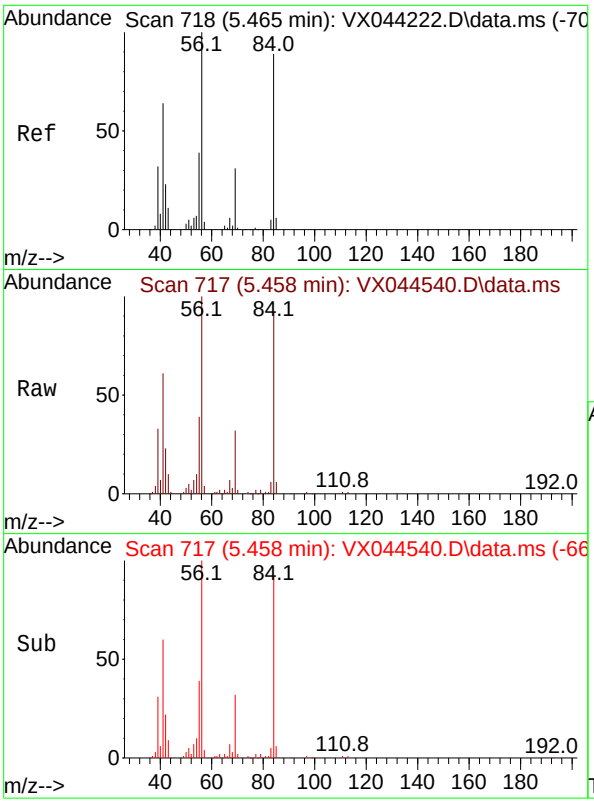




#30
Chloroform
Concen: 44.097 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 83 Resp: 160188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.6 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 44.218 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 56 Resp: 11544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 24.7 | 37.1 |
| 84 | 89.8 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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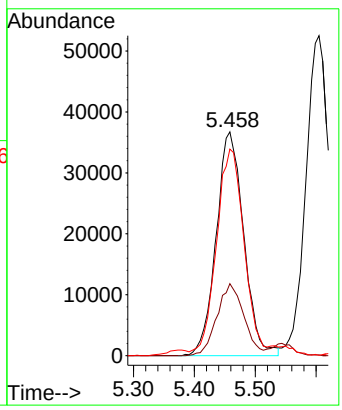
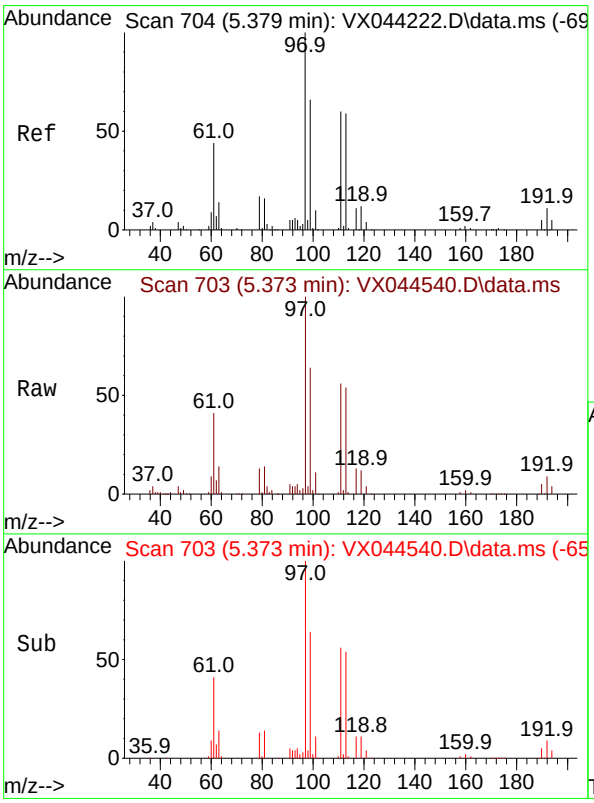
Supervised By :Mahesh Dadoda 12/31/2024

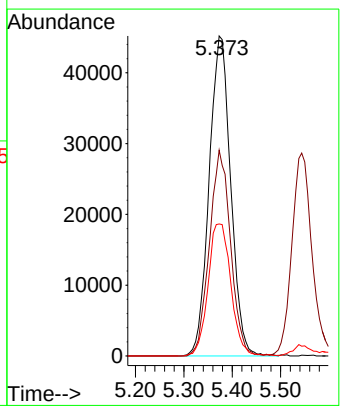


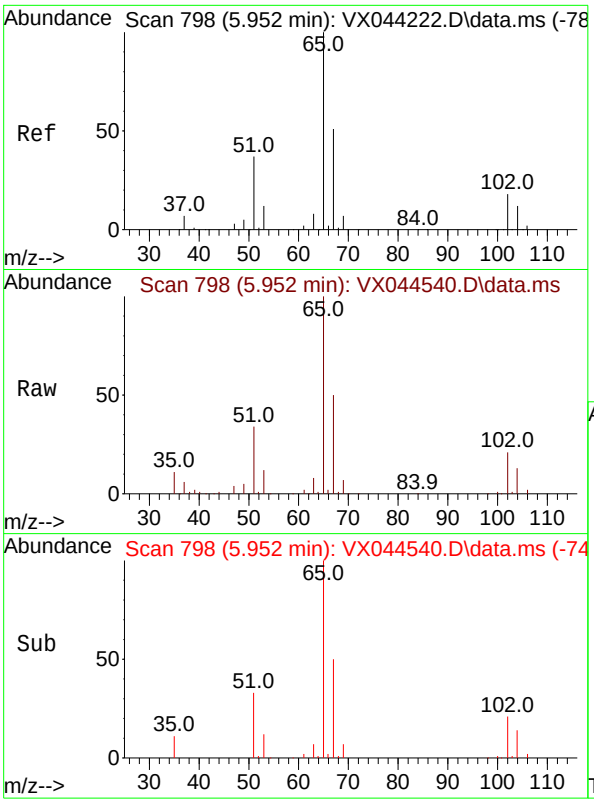




#32
1,1,1-Trichloroethane
Concen: 46.342 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 97 Resp: 139739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 50.8 | 76.2 |
| 61 | 43.8 | 35.2 | 52.8 |






#33
1,2-Dichloroethane-d4
Concen: 40.623 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 65 Resp: 9826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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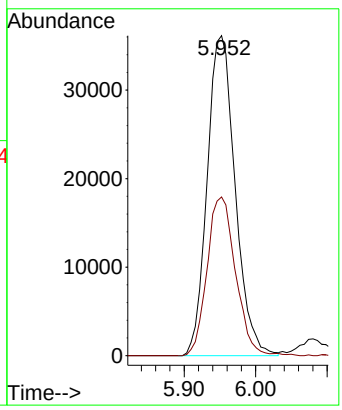
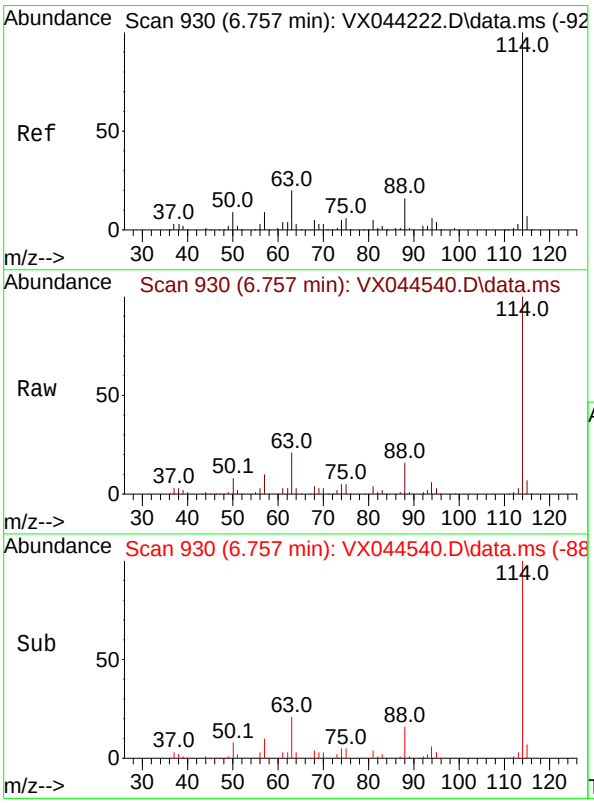
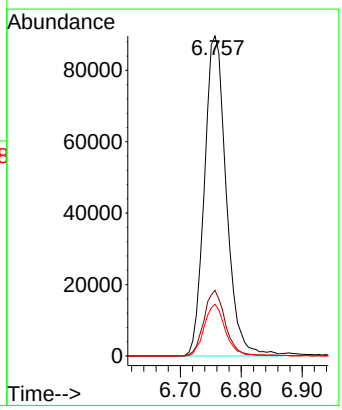


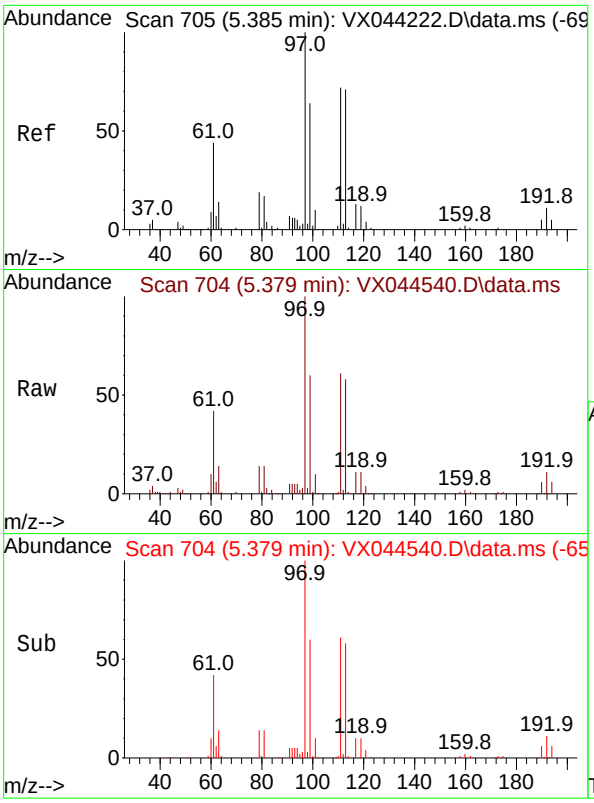




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:114 Resp: 223553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 40.6 |
| 88 | 16.1 | 0.0 | 31.8 |






#35
Dibromofluoromethane
Concen: 50.062 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:113 Resp: 7751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 80.4 | 120.6 |
| 192 | 19.4 | 13.3 | 19.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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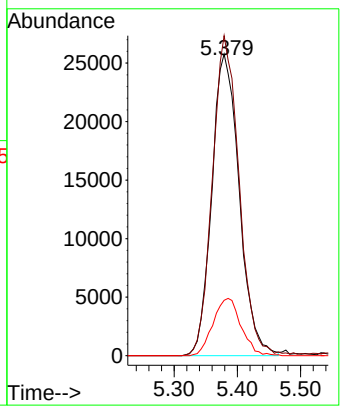
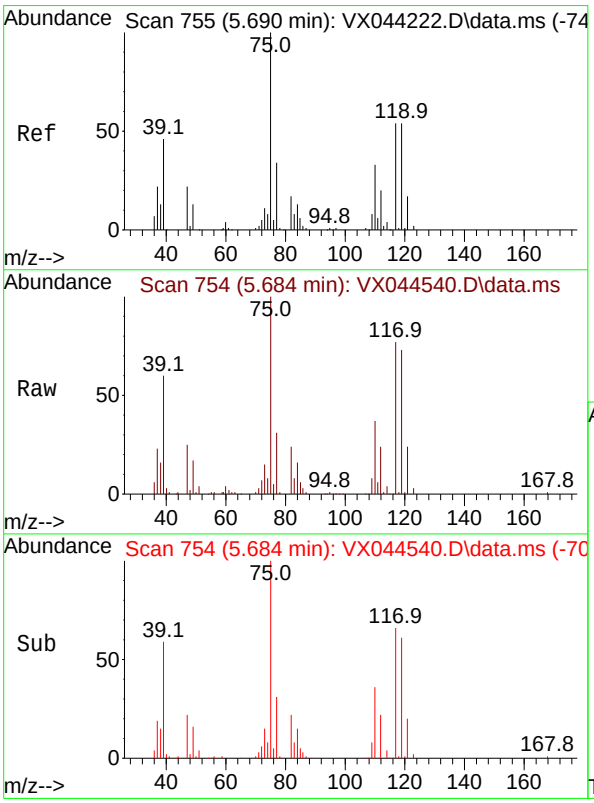
Supervised By :Mahesh Dadoda 12/31/2024

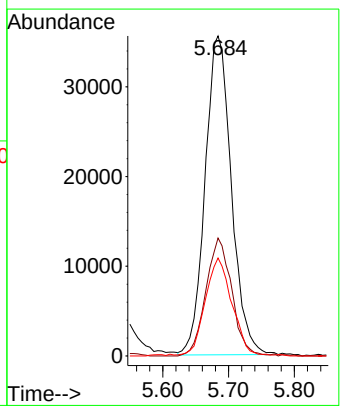


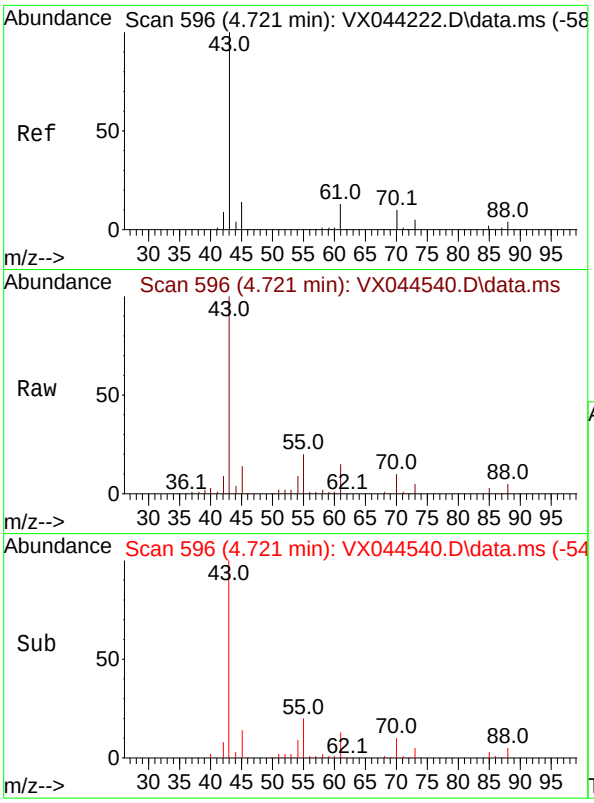




#36
1,1-Dichloropropene
Concen: 49.419 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 98907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.4 | 17.3 | 51.7 |
| 77 | 31.0 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 47.524 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 11757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.1 | 9.8 | 14.8 |
| 70 | 10.2 | 7.7 | 11.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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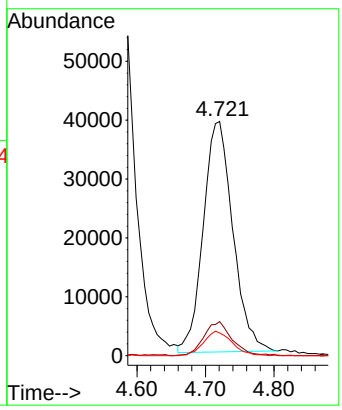
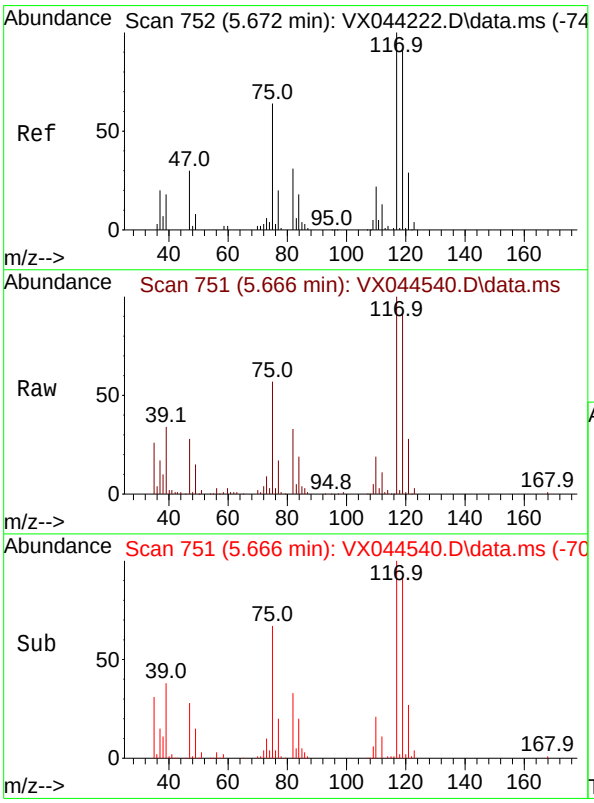
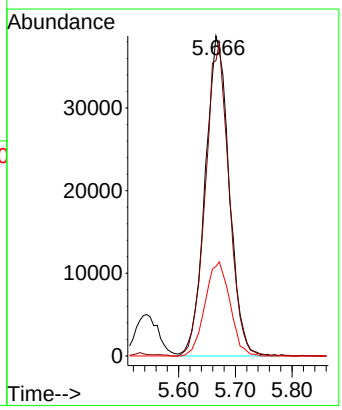


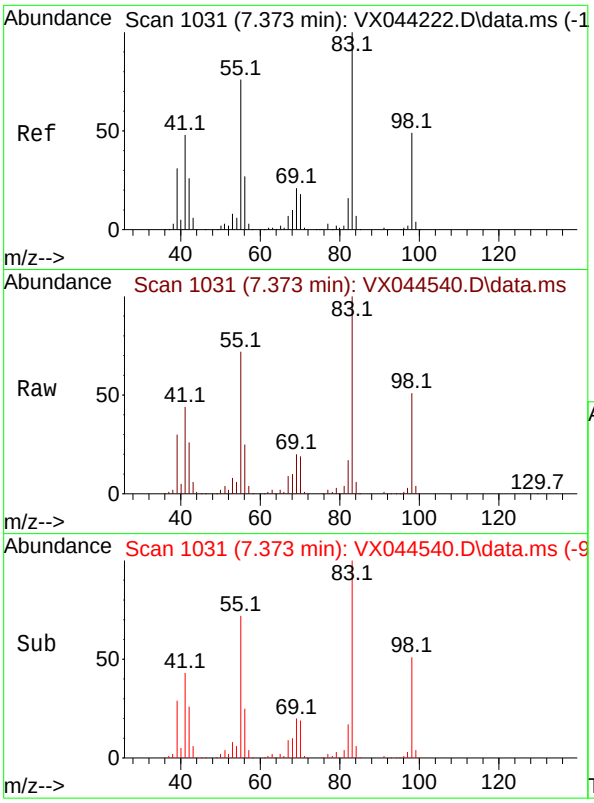




#38
Carbon Tetrachloride
Concen: 52.739 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:117 Resp: 113637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.3 | 74.2 | 111.4 |
| 121 | 28.0 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 53.905 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 83 Resp: 12897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.9 | 60.7 | 91.1 |
| 98 | 50.9 | 38.9 | 58.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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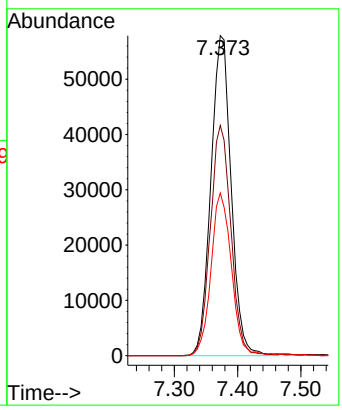
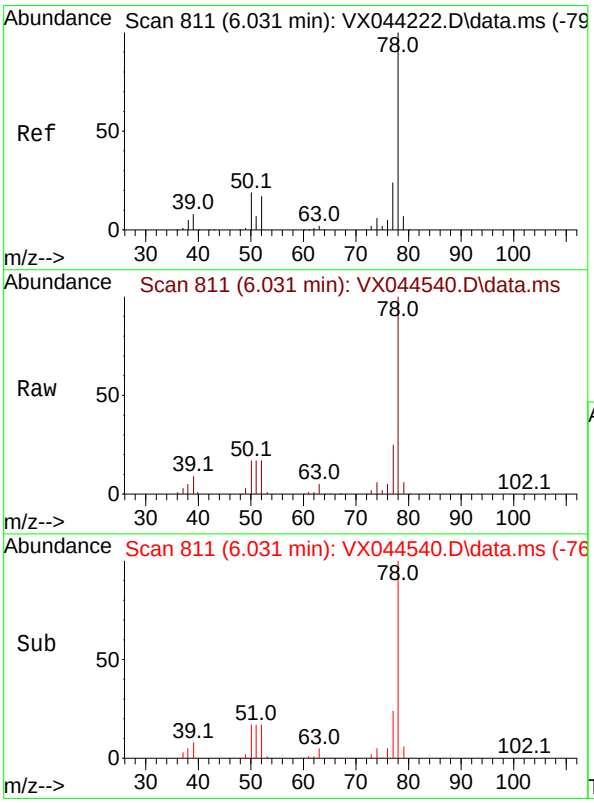
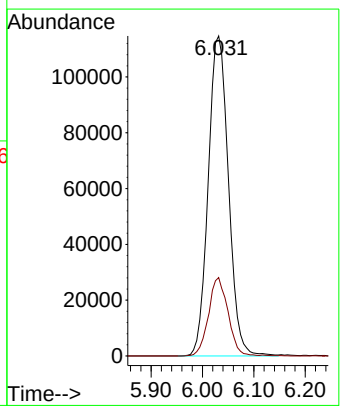


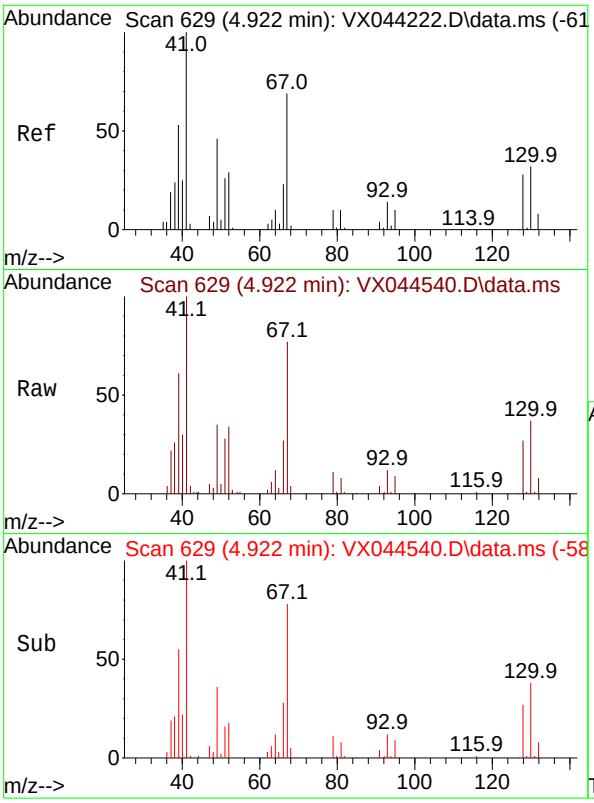




#40
Benzene
Concen: 51.597 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 78 Resp: 313533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 19.3 | 28.9 |

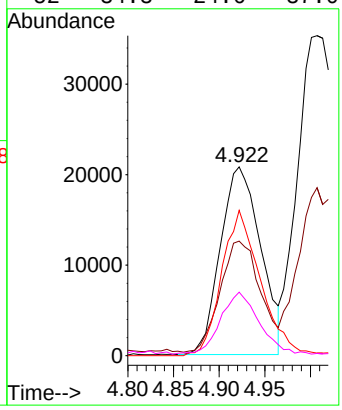





#41
Methacrylonitrile
Concen: 48.575 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 41 Resp: 6381

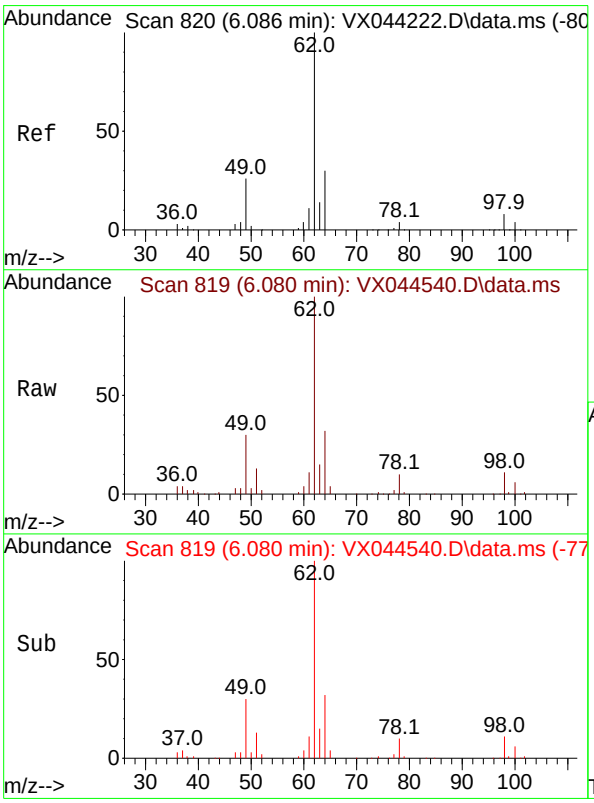
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.7 | 44.2 | 66.4 |
| 67 | 74.5 | 57.2 | 85.8 |
| 52 | 34.3 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

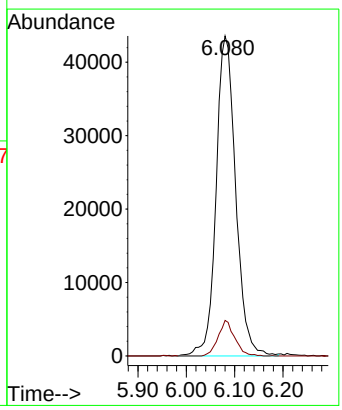
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

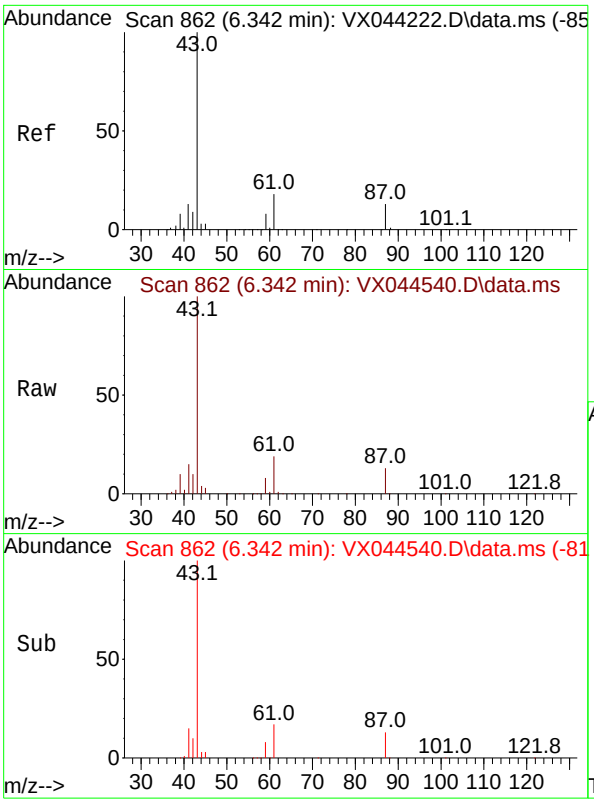



#42
1,2-Dichloroethane
Concen: 48.922 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 62 Resp: 122458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 15.8 |






#43
Isopropyl Acetate
Concen: 49.578 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

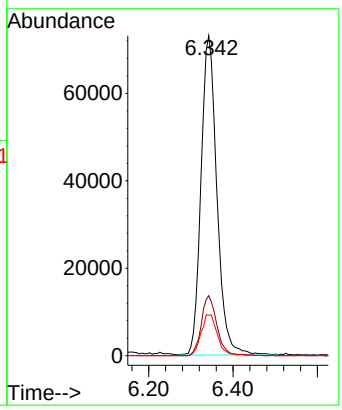
Tgt Ion: 43 Resp: 19170

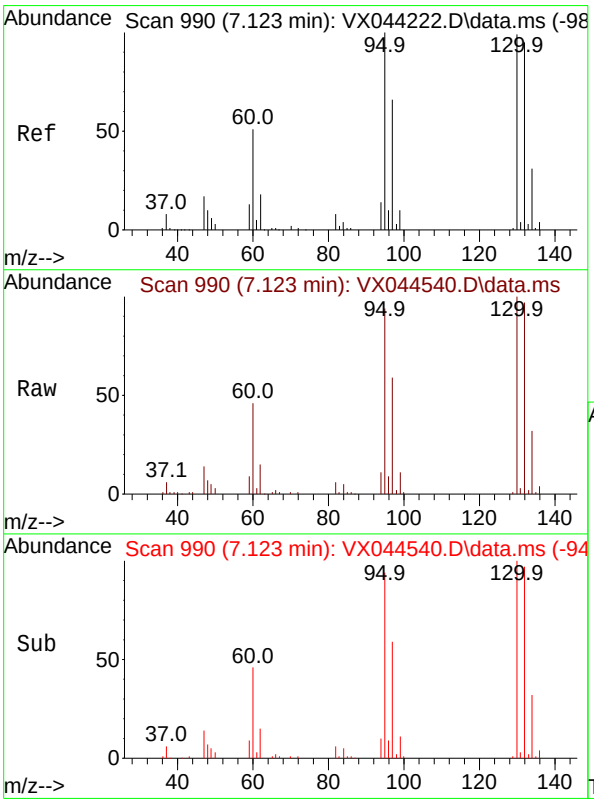
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.2 | 21.2 |
| 87 | 13.3 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

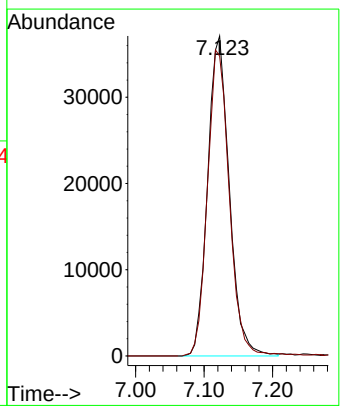


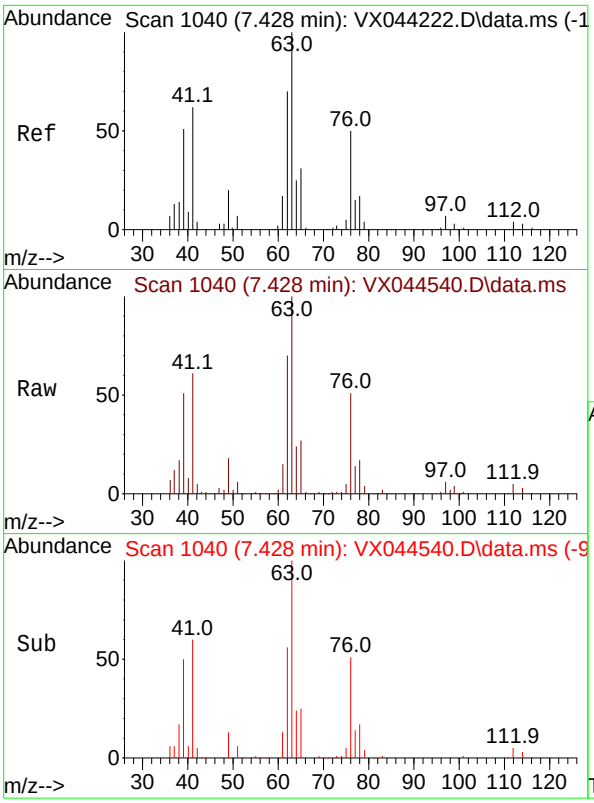




#44
Trichloroethene
Concen: 53.888 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:130 Resp: 81658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 93.7 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 51.047 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 63 Resp: 7924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.0 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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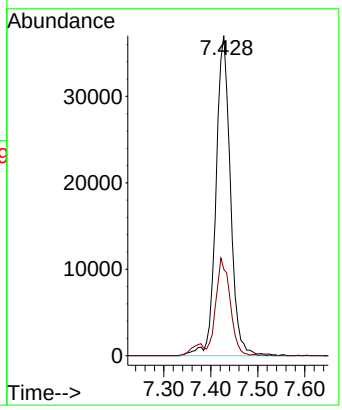
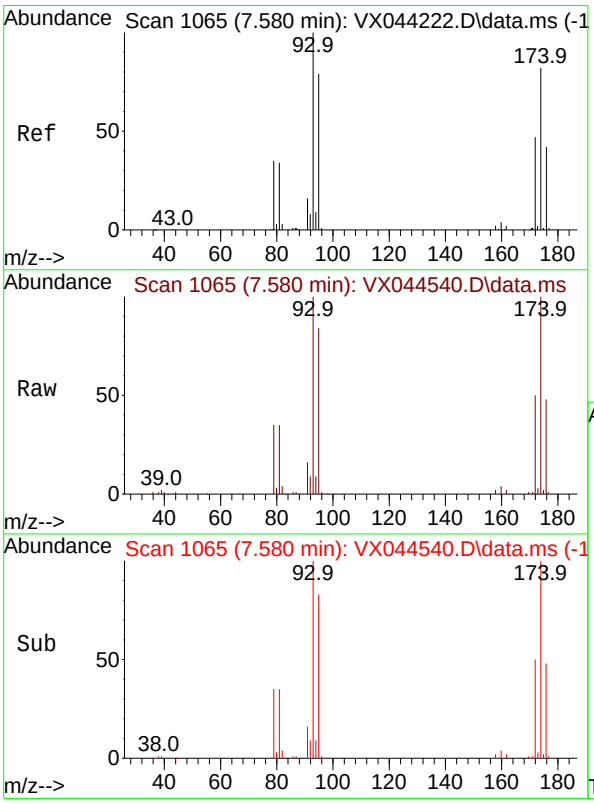
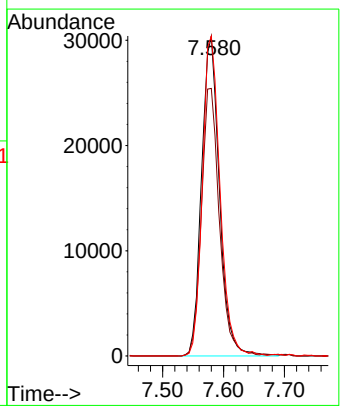


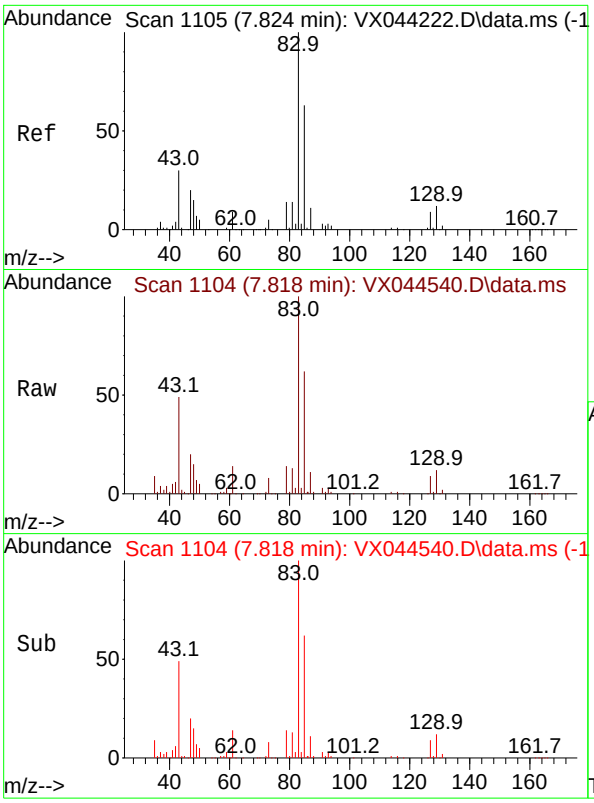




#46
Dibromomethane
Concen: 51.298 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 93 Resp: 61783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.2 | 65.4 | 98.2 |
| 174 | 99.2 | 67.9 | 101.9 |

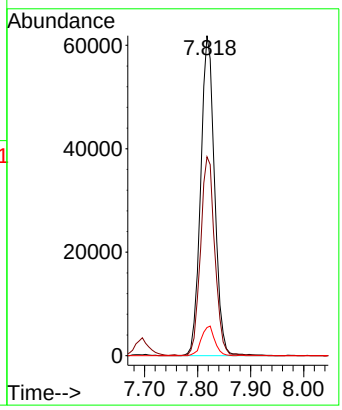





#47
Bromodichloromethane
Concen: 54.155 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 83 Resp: 11264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 50.6 | 75.8 |
| 127 | 8.8 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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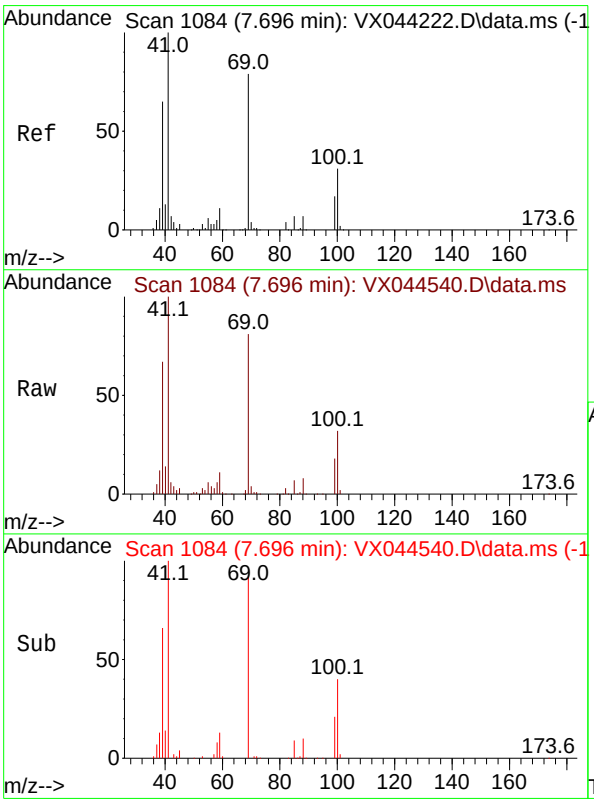
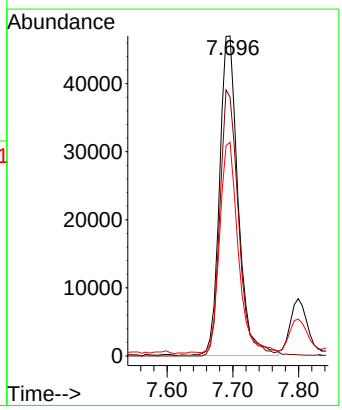
Supervised By :Mahesh Dadoda 12/31/2024

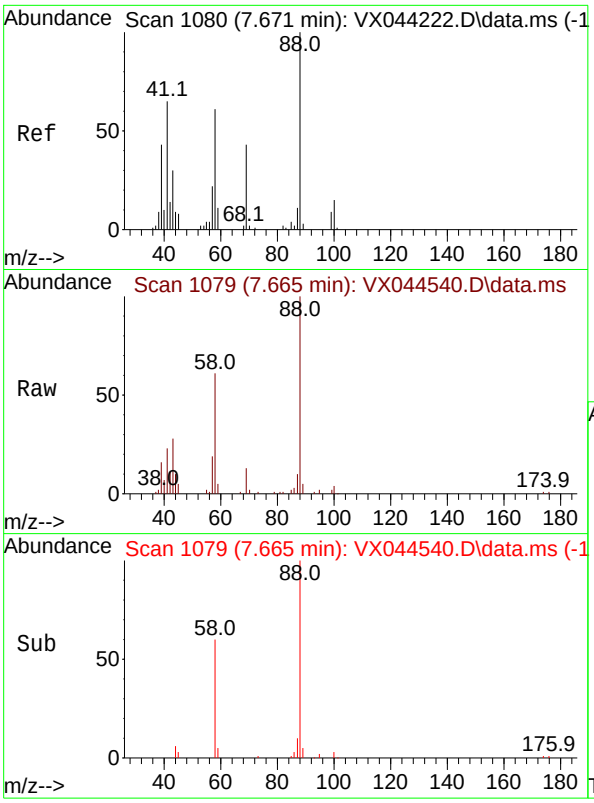



#48
Methyl methacrylate
Concen: 48.959 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 41 Resp: 91897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.1 | 62.4 | 93.6 |
| 39 | 65.8 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 1108.620 ug/l m
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 88 Resp: 3450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.3 | 27.1 | 40.7 |
| 58 | 49.3 | 41.0 | 61.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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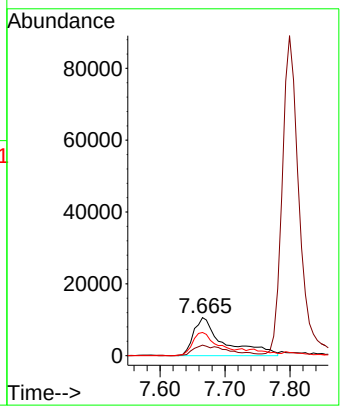
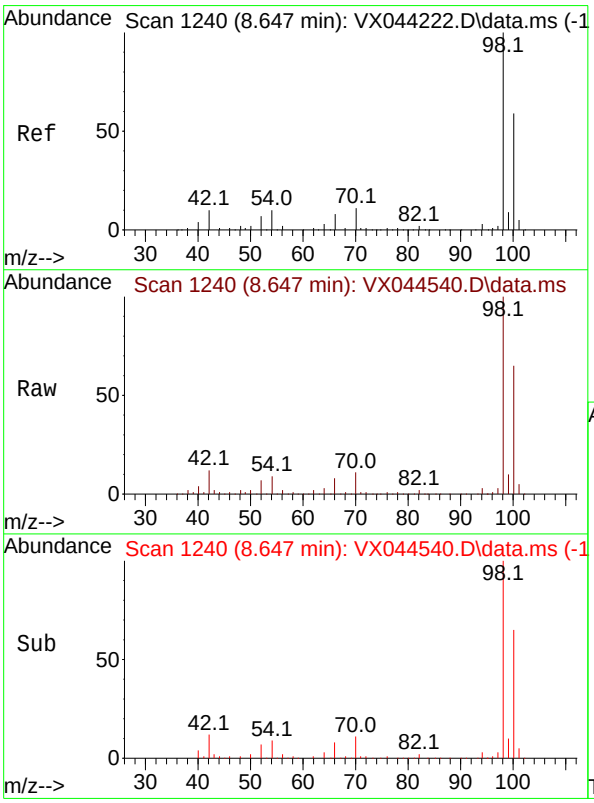
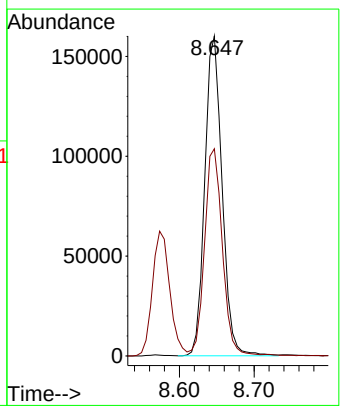


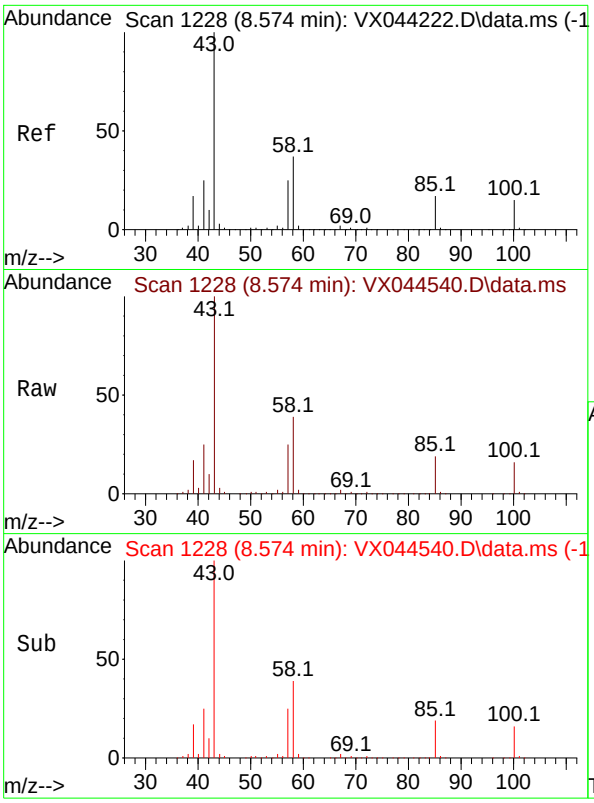




#50
Toluene-d8
Concen: 49.293 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 98 Resp: 257484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.7 | 51.5 | 77.3 |

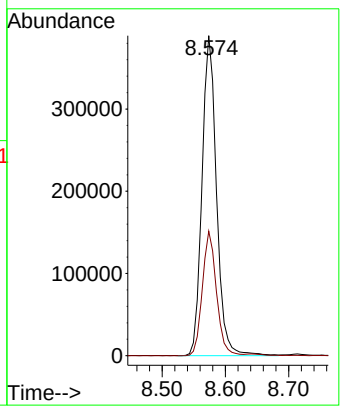





#51
4-Methyl-2-Pentanone
Concen: 250.388 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 62253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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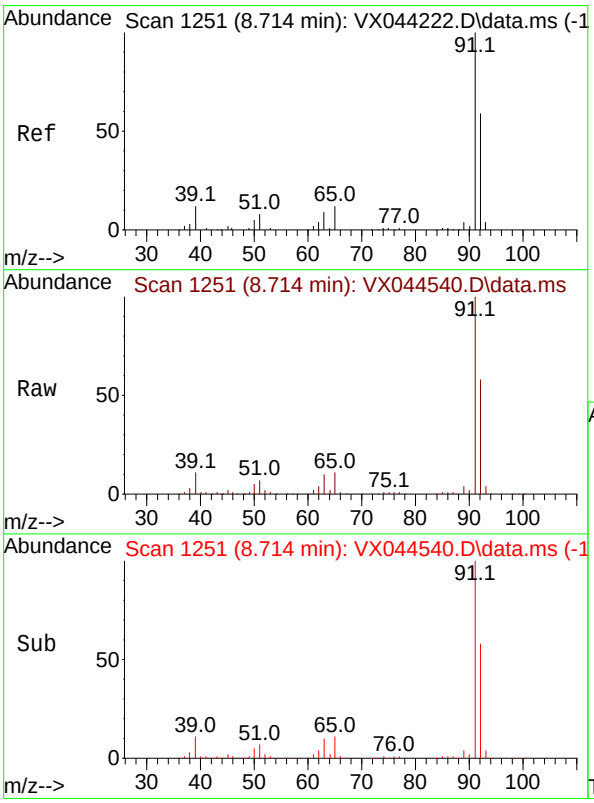
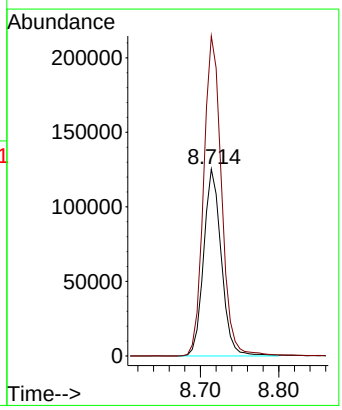
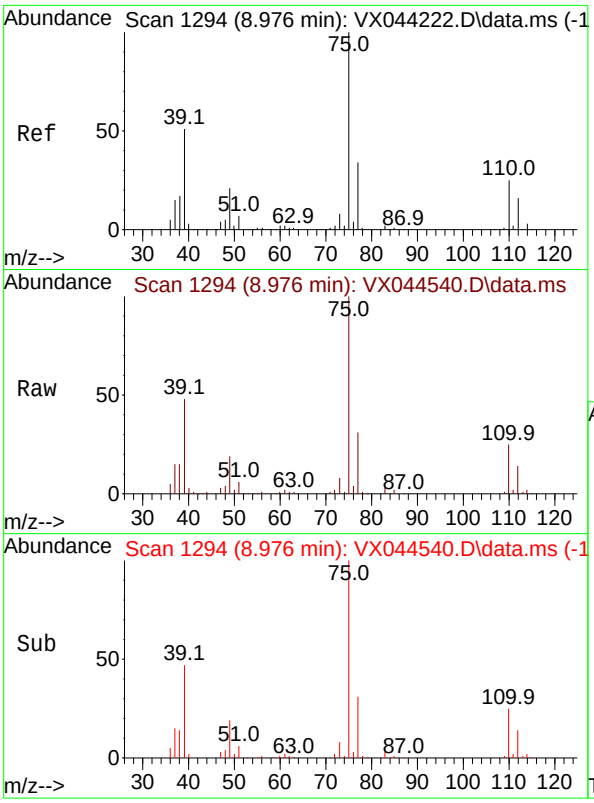



#52
Toluene
Concen: 51.274 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 92 Resp: 195660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.4 | 137.0 | 205.6 |

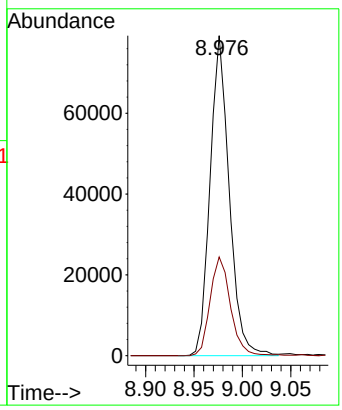





#53
t-1,3-Dichloropropene
Concen: 48.988 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 10921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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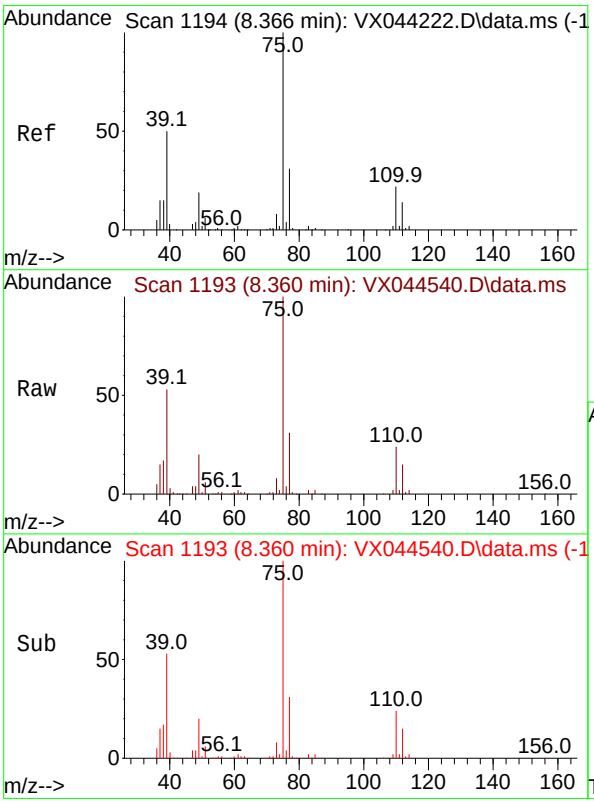
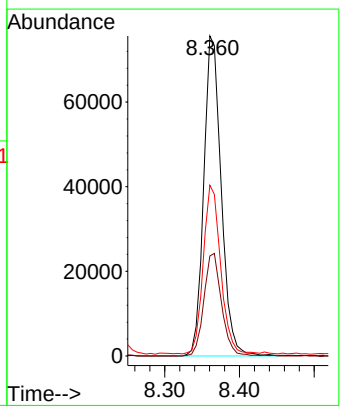
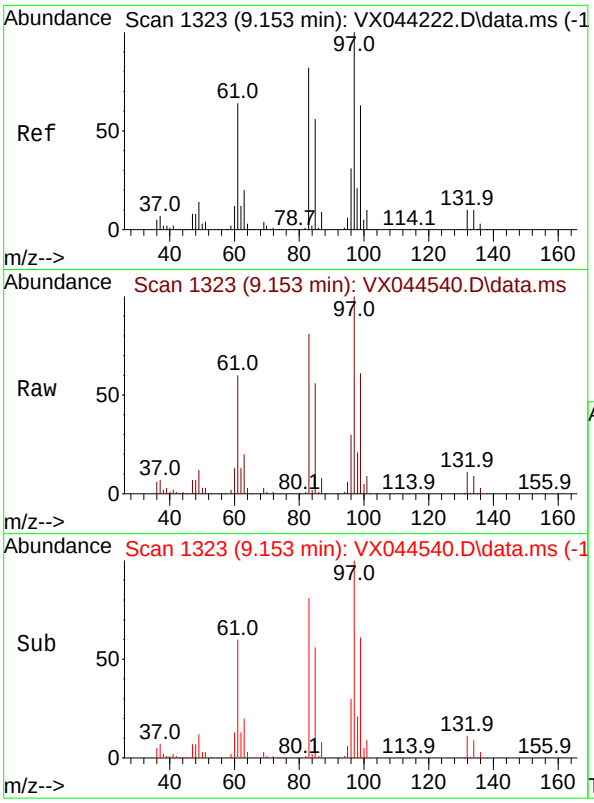



#54
cis-1,3-Dichloropropene
Concen: 54.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 122807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 24.7 | 37.1 |
| 39 | 52.7 | 40.3 | 60.5 |

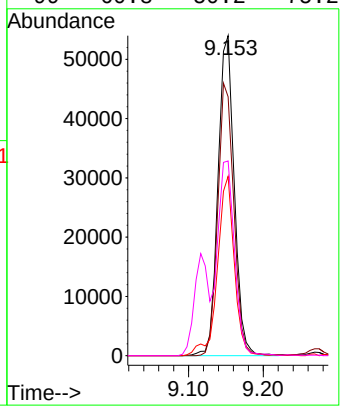





#55
1,1,2-Trichloroethane
Concen: 53.821 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 97 Resp: 8159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.9 | 65.3 | 97.9 |
| 85 | 56.1 | 44.6 | 67.0 |
| 99 | 60.8 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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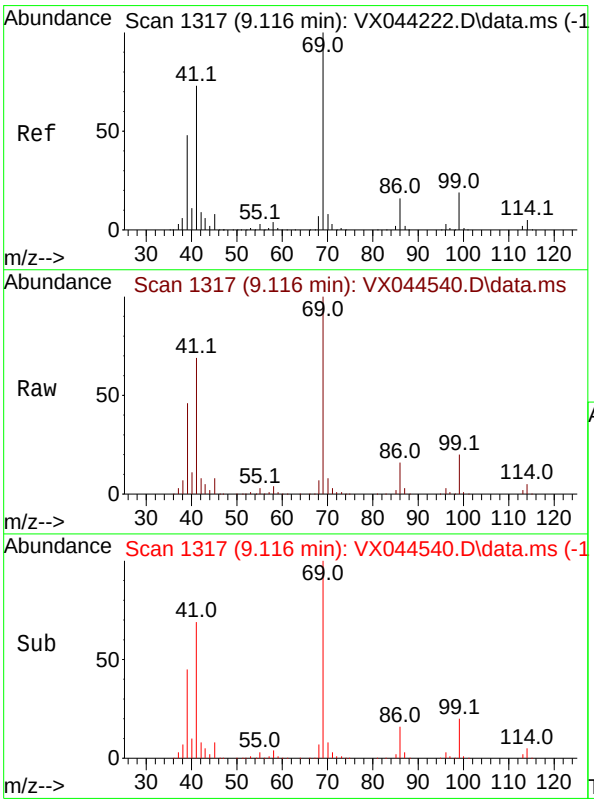
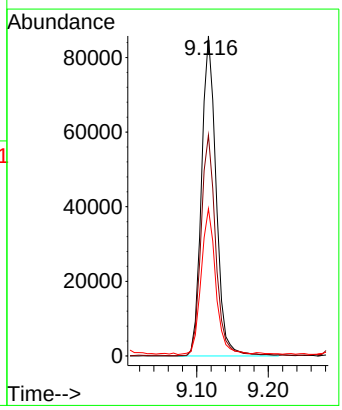
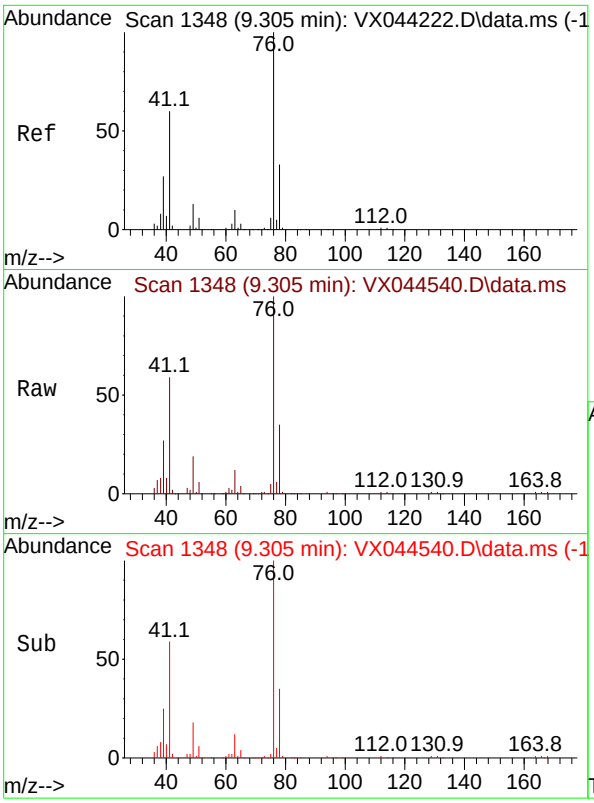



#56
Ethyl methacrylate
Concen: 51.019 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 69 Resp: 122100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.4 | 56.6 | 85.0 |
| 39 | 45.4 | 37.4 | 56.0 |






#57
1,3-Dichloropropane
Concen: 51.116 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 76 Resp: 13487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.3 | 26.5 | 39.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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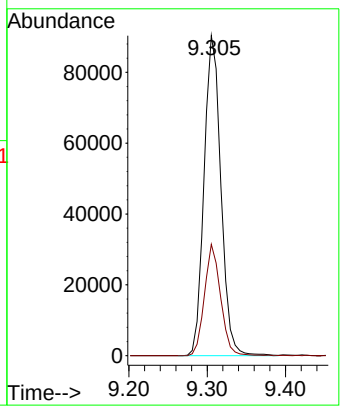
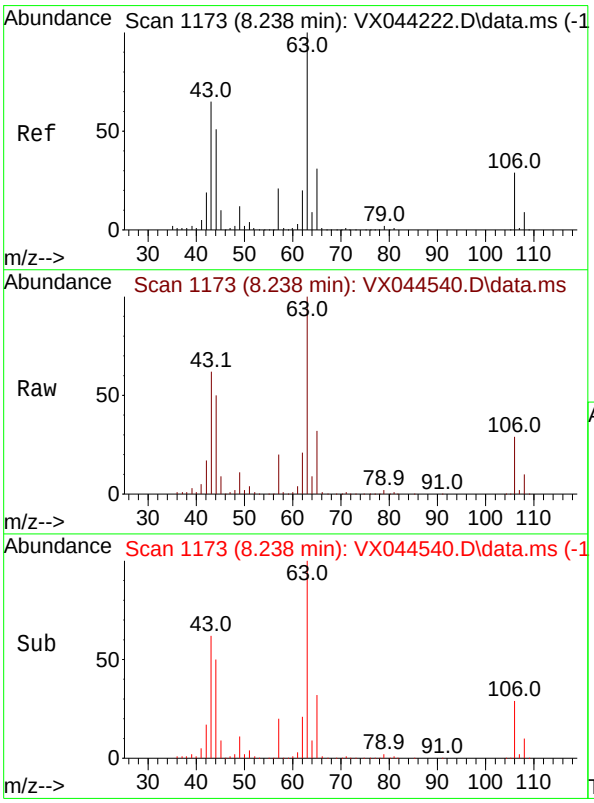
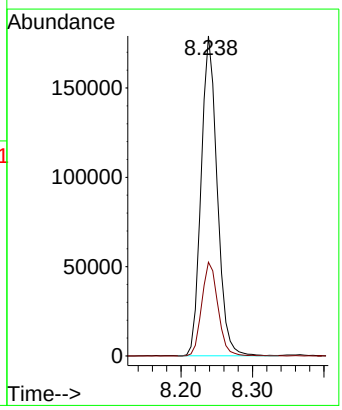


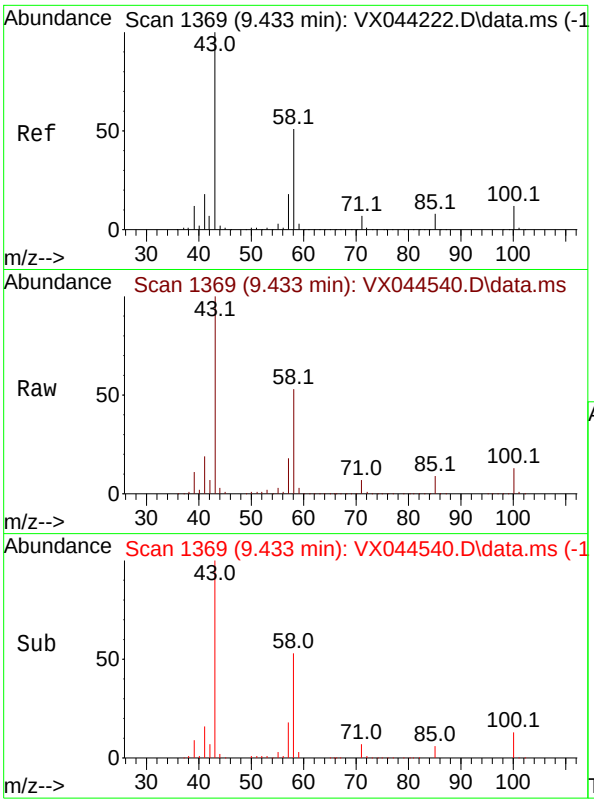




#58
2-Chloroethyl Vinyl ether
Concen: 231.727 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 63 Resp: 279710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.6 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 253.490 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 45618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.2 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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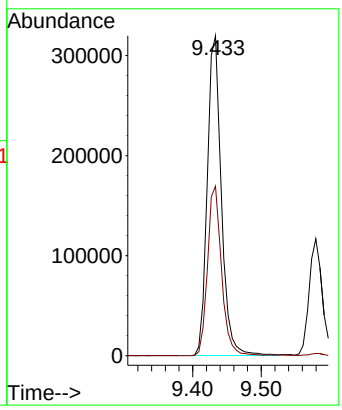
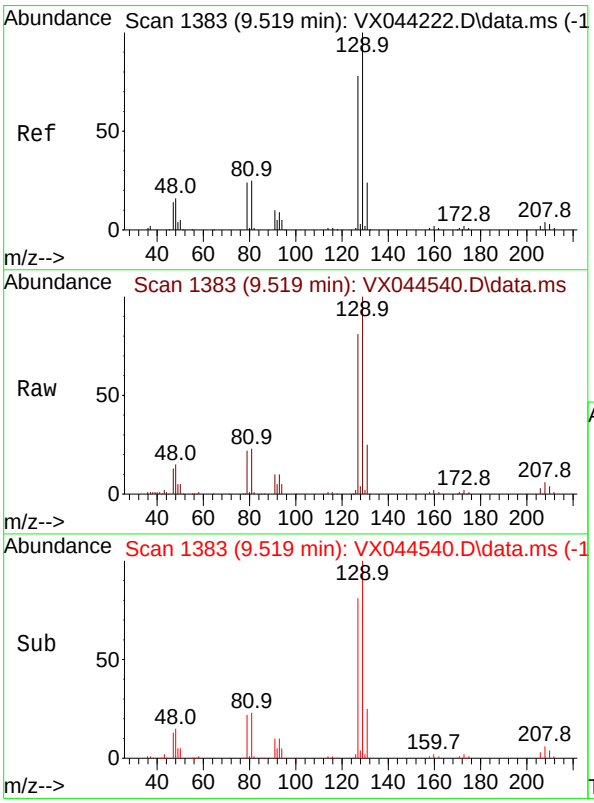
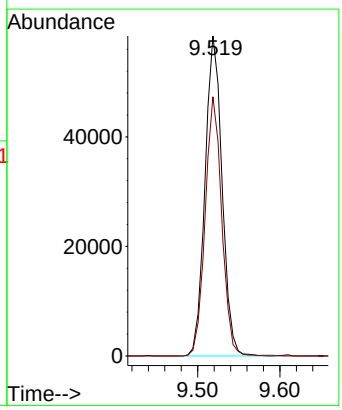


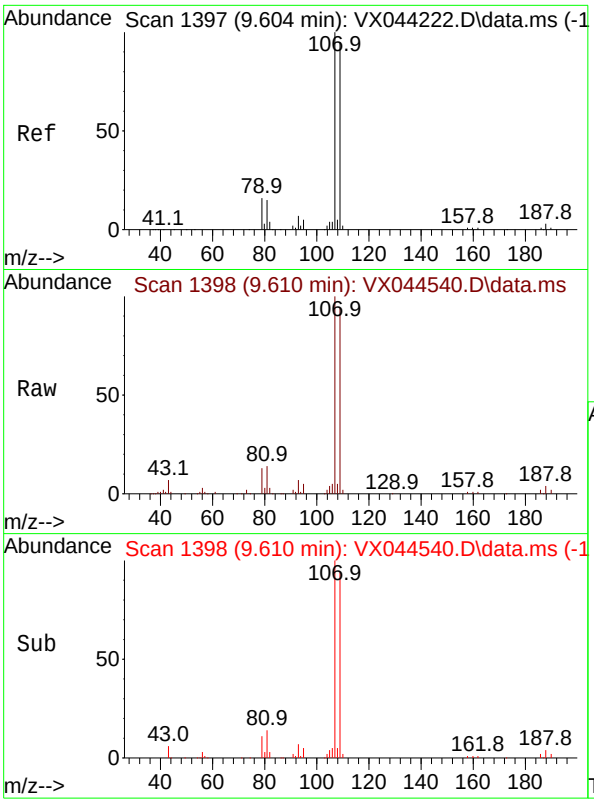




#60
Dibromochloromethane
Concen: 52.230 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:129 Resp: 84109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.6 | 38.5 | 115.3 |

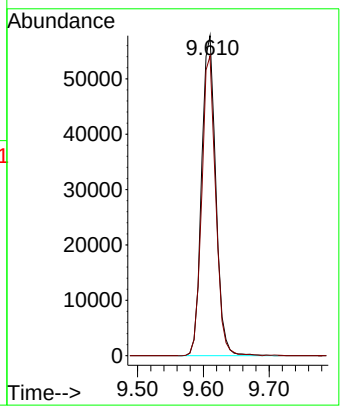





#61
1,2-Dibromoethane
Concen: 56.057 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:107 Resp: 8650

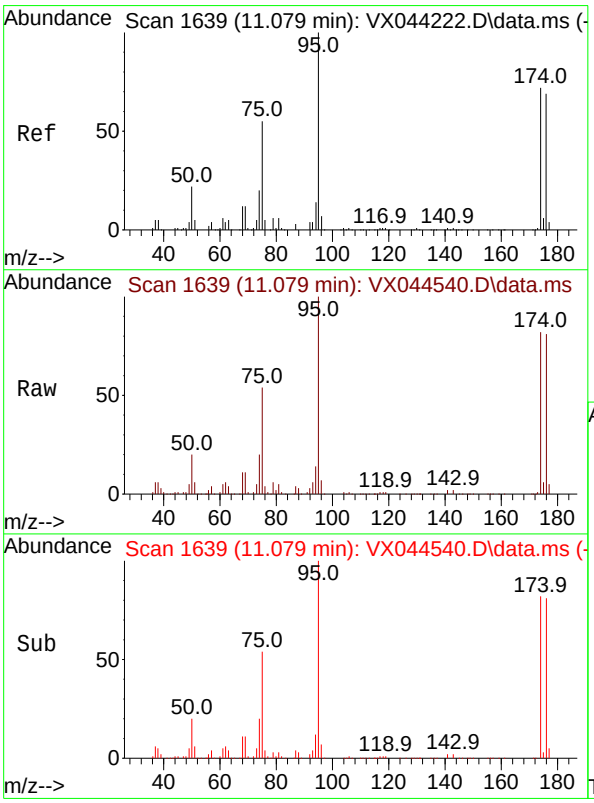
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.3 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

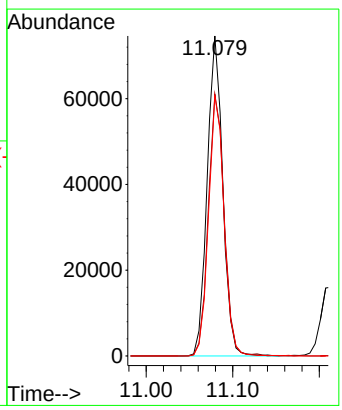
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

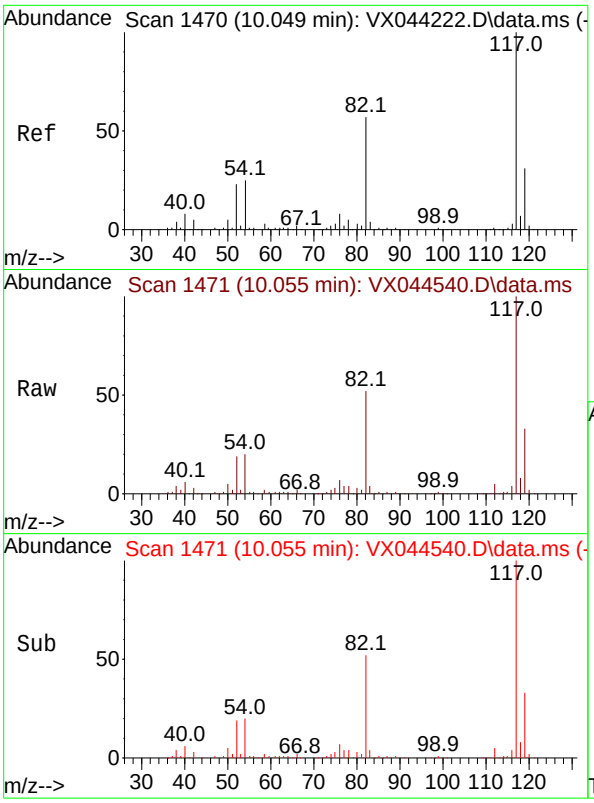



#62
4-Bromofluorobenzene
Concen: 50.906 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 95 Resp: 92916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.8 | 0.0 | 145.8 |
| 176 | 81.1 | 0.0 | 137.8 |

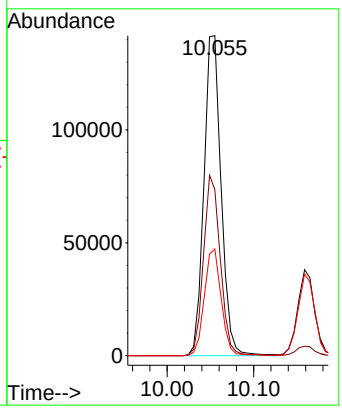





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:117 Resp: 19582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.9 | 45.8 | 68.8 |
| 119 | 33.4 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
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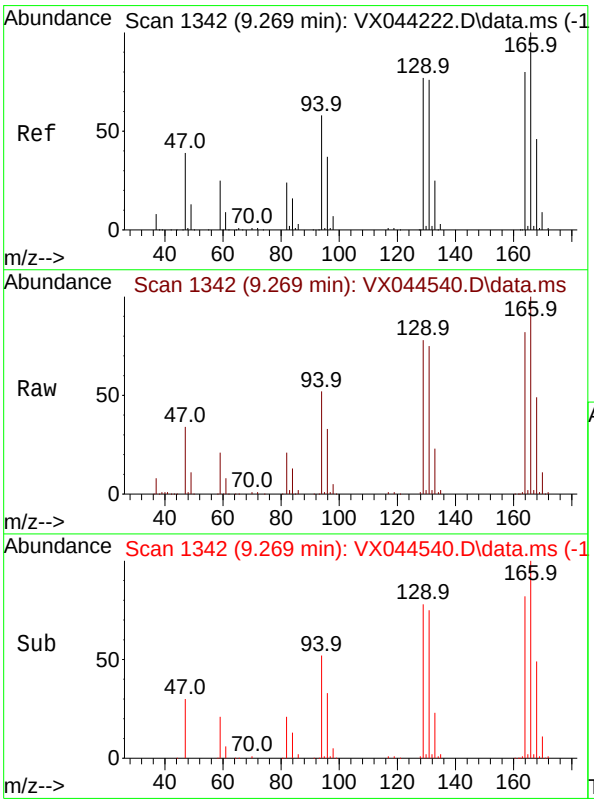
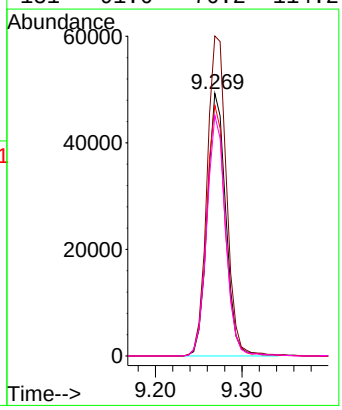
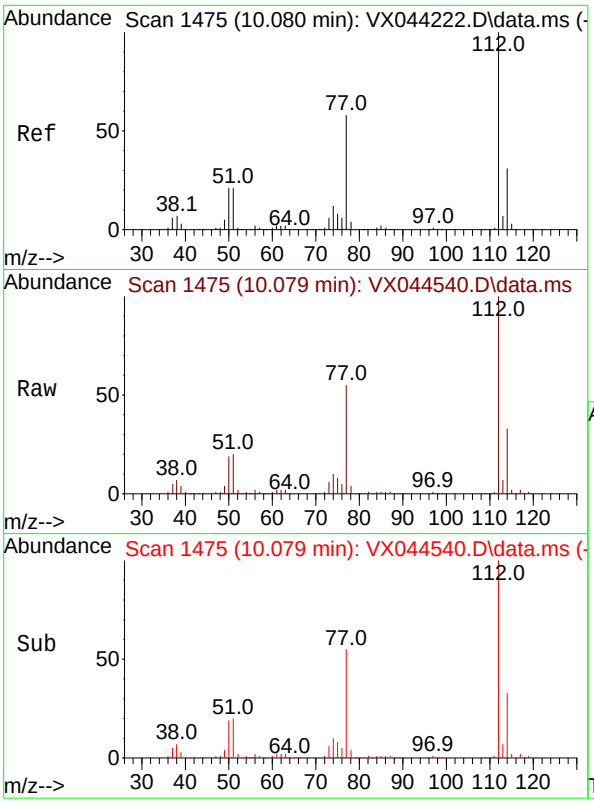



#64
Tetrachloroethene
Concen: 56.524 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:164 Resp: 73466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 121.9 | 100.4 | 150.6 |
| 129 | 95.5 | 77.2 | 115.8 |
| 131 | 91.6 | 76.2 | 114.2 |






#65
Chlorobenzene
Concen: 53.076 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:112 Resp: 22271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.0 | 25.0 | 37.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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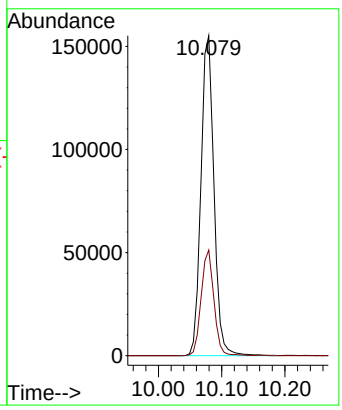
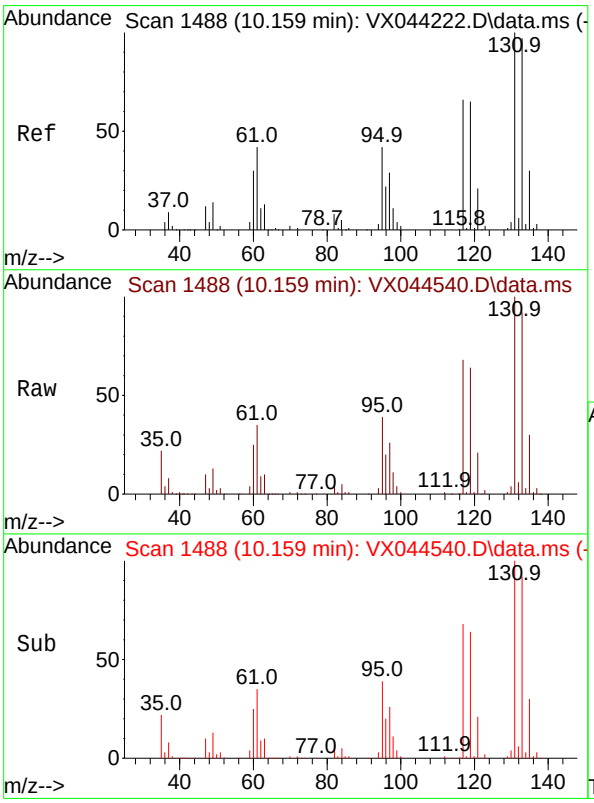
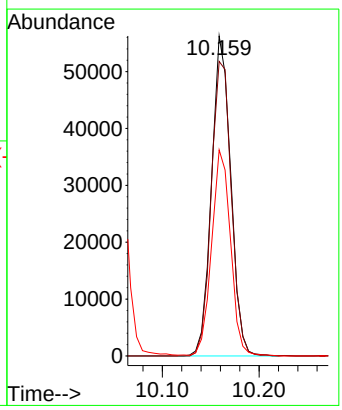


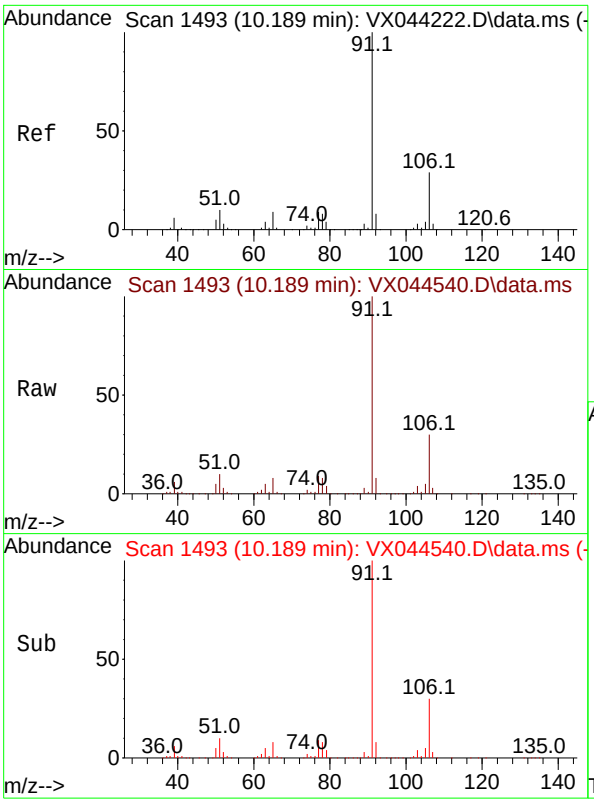




#66
1,1,1,2-Tetrachloroethane
Concen: 57.314 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:131 Resp: 77293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.5 | 47.3 | 141.8 |
| 119 | 63.8 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 52.655 ug/l
RT: 10.189 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 38176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 23.5 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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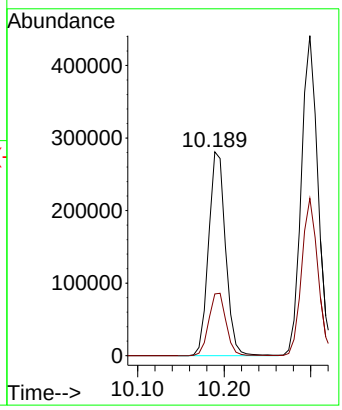
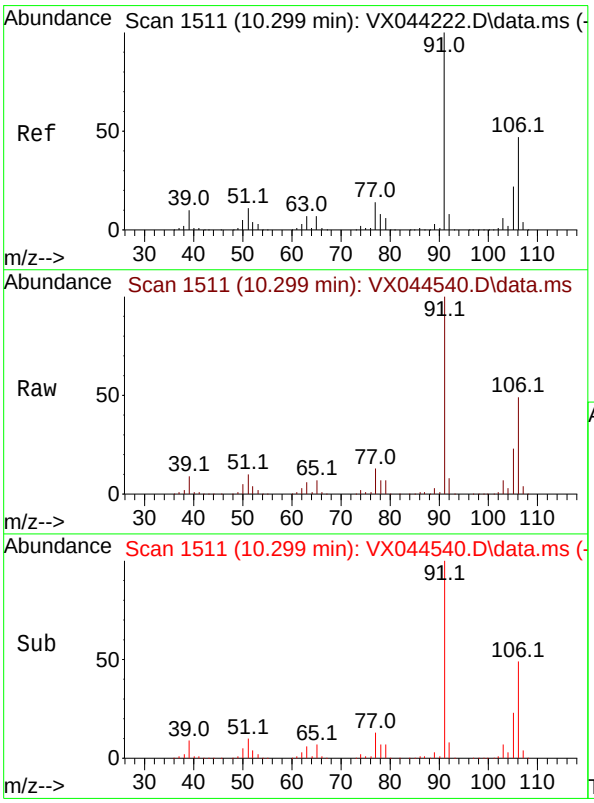
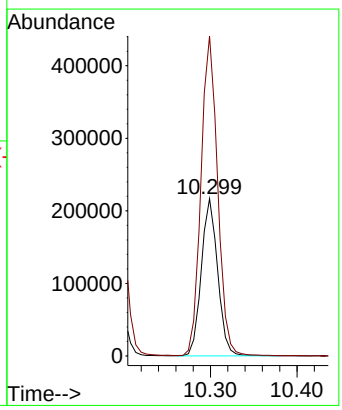


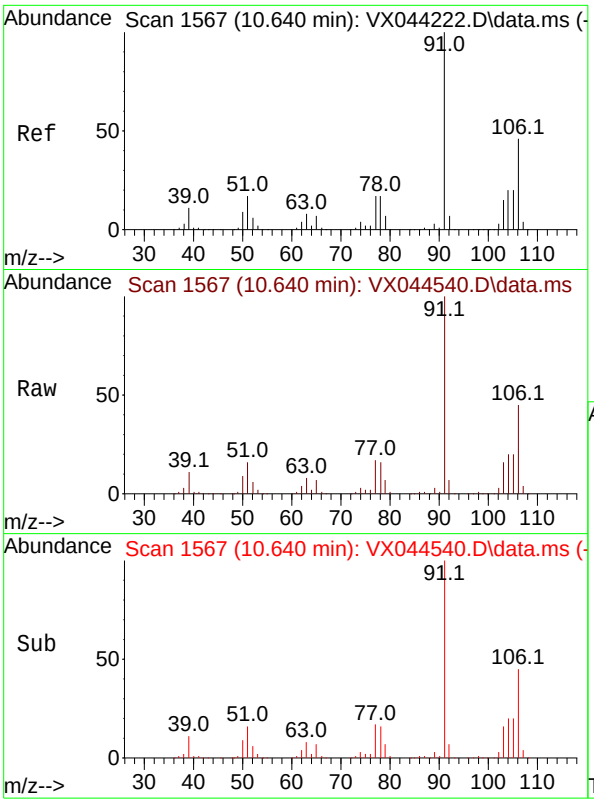




#68
m/p-Xylenes
Concen: 106.627 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:106 Resp: 283669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.0 | 170.2 | 255.2 |






#69
o-Xylene
Concen: 53.072 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:106 Resp: 14285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.5 | 112.3 | 337.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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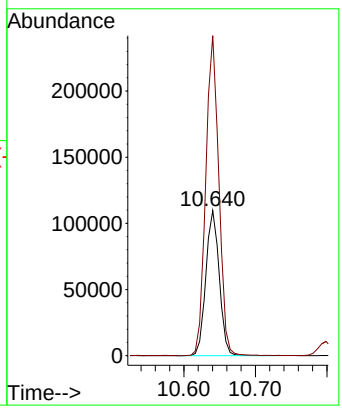
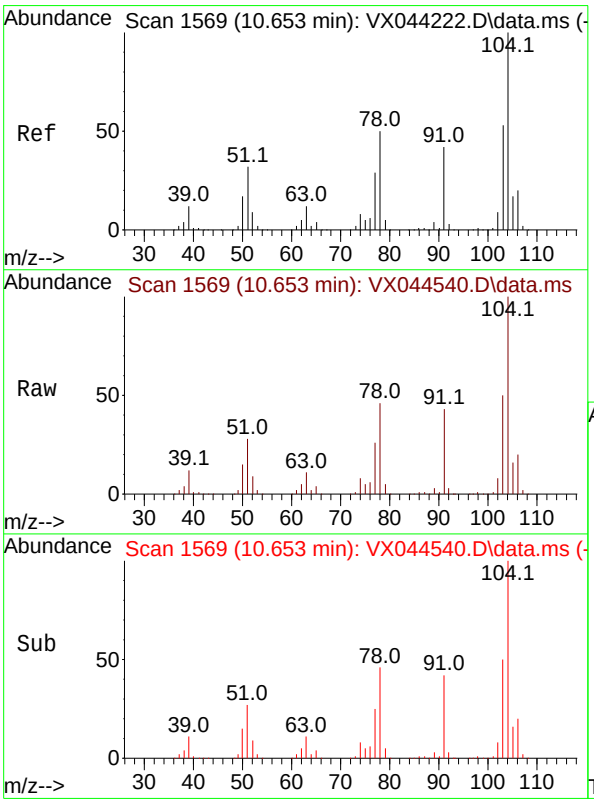
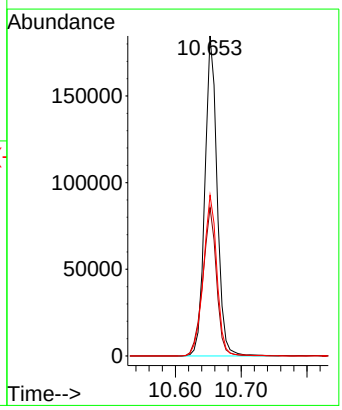


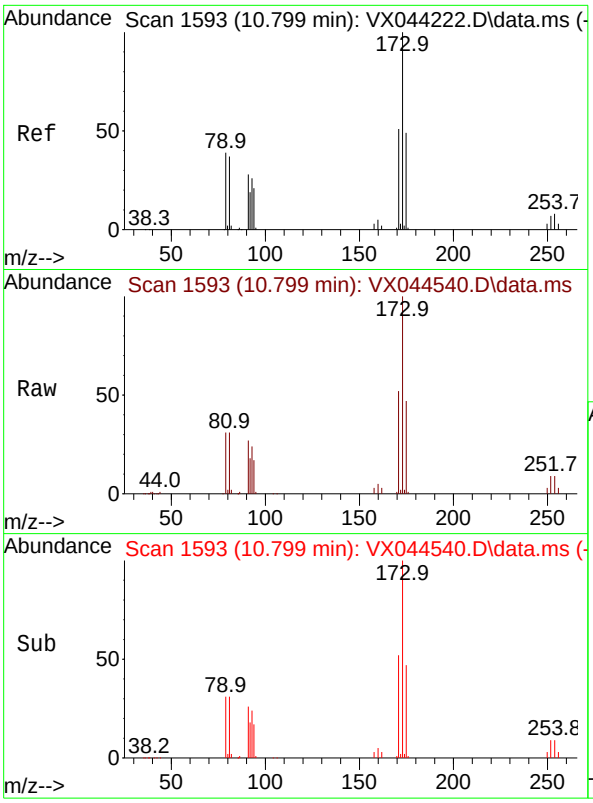




#70
Styrene
Concen: 55.603 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:104 Resp: 239936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 44.6 | 67.0 |
| 103 | 55.6 | 45.4 | 68.0 |






#71
Bromoform
Concen: 56.136 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:173 Resp: 5374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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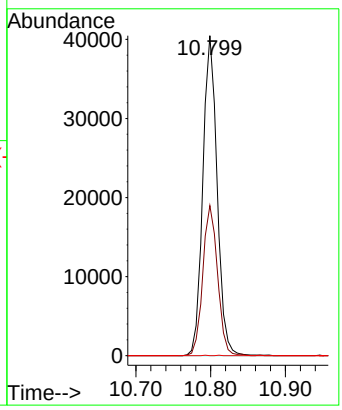
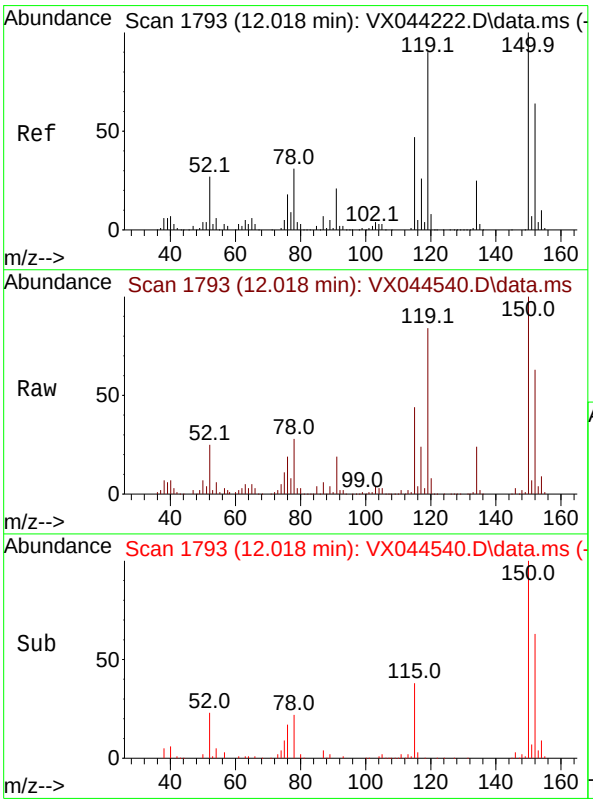
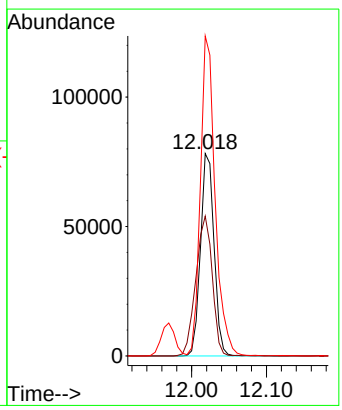


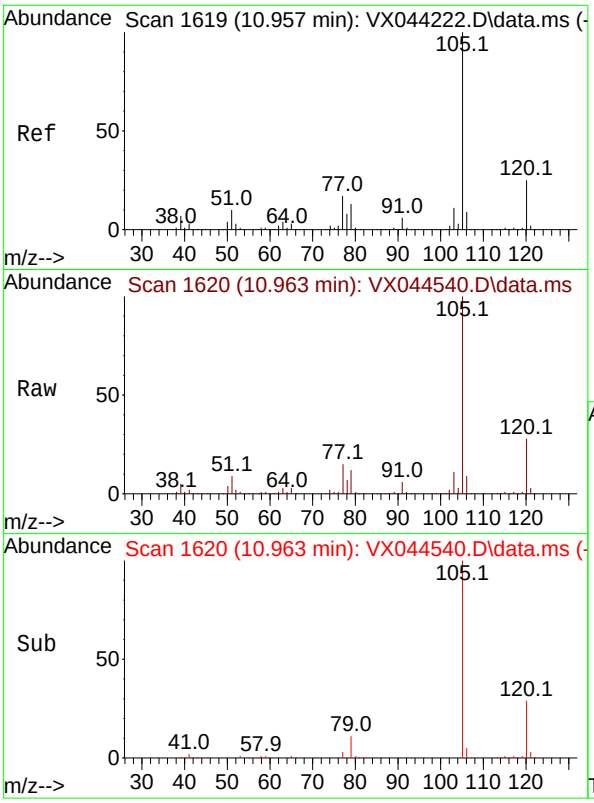




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:152 Resp: 98470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 83.7 | 44.5 | 133.3 |
| 150 | 171.5 | 0.0 | 353.8 |






#73
Isopropylbenzene
Concen: 49.257 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 37131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.1 | 39.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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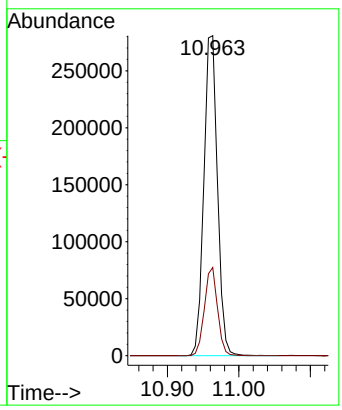
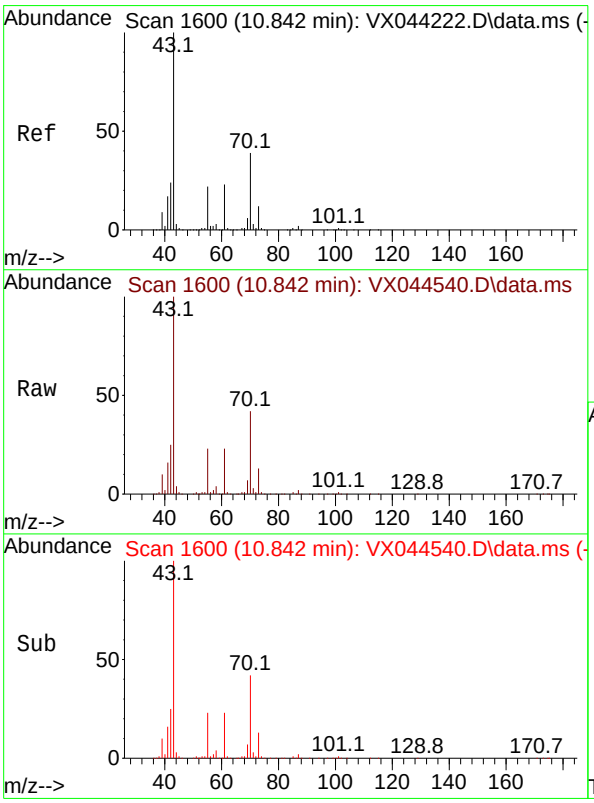
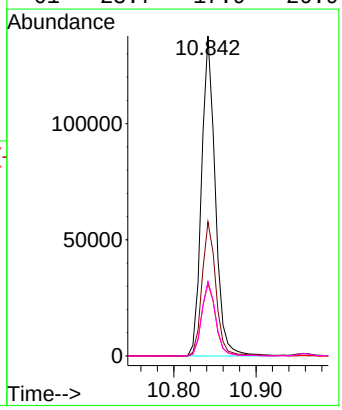


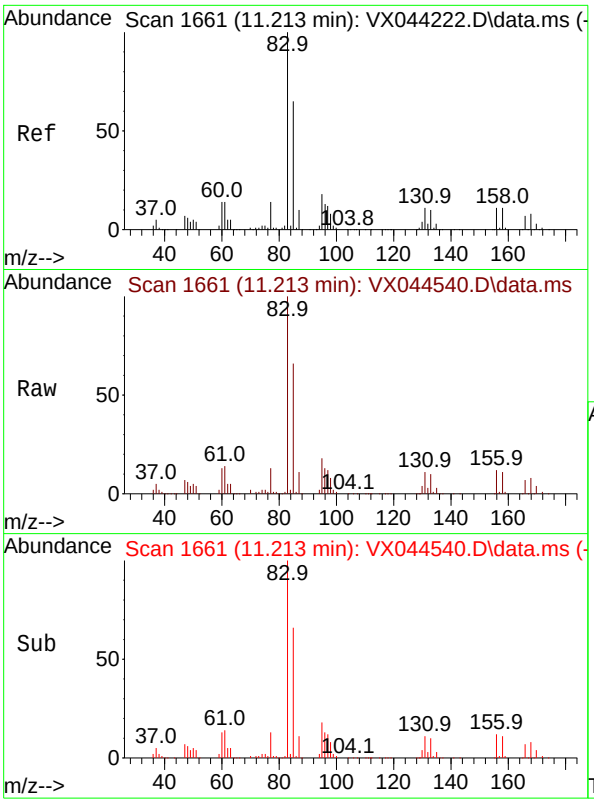




#74
N-amyl acetate
Concen: 45.915 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 159962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.3 | 31.9 | 47.9 |
| 55 | 23.3 | 17.9 | 26.9 |
| 61 | 23.7 | 17.9 | 26.9 |






#75
1,1,2,2-Tetrachloroethane
Concen: 46.872 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 83 Resp: 12272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 5.1 | 15.4 |
| 85 | 65.5 | 32.5 | 97.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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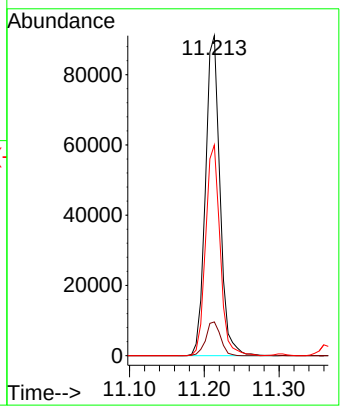
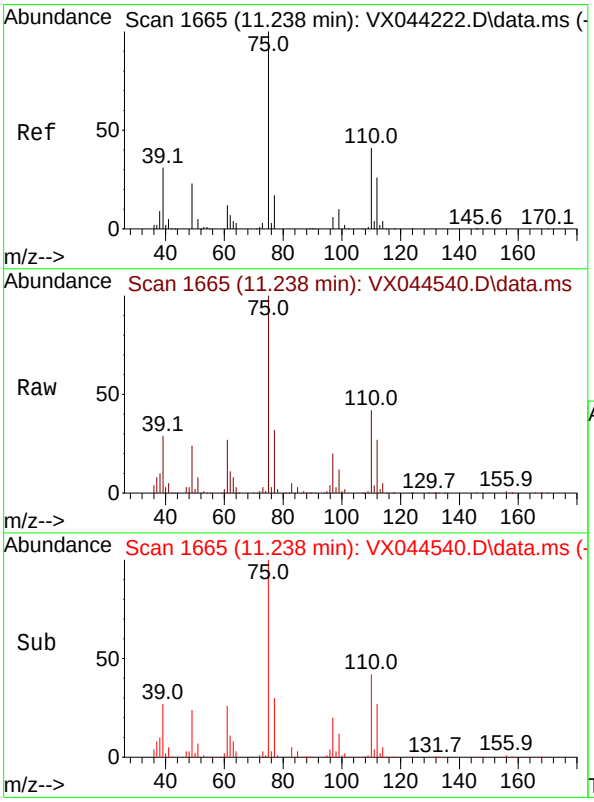
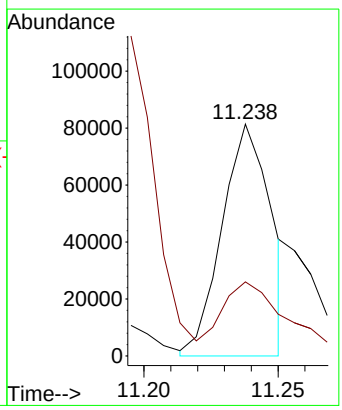


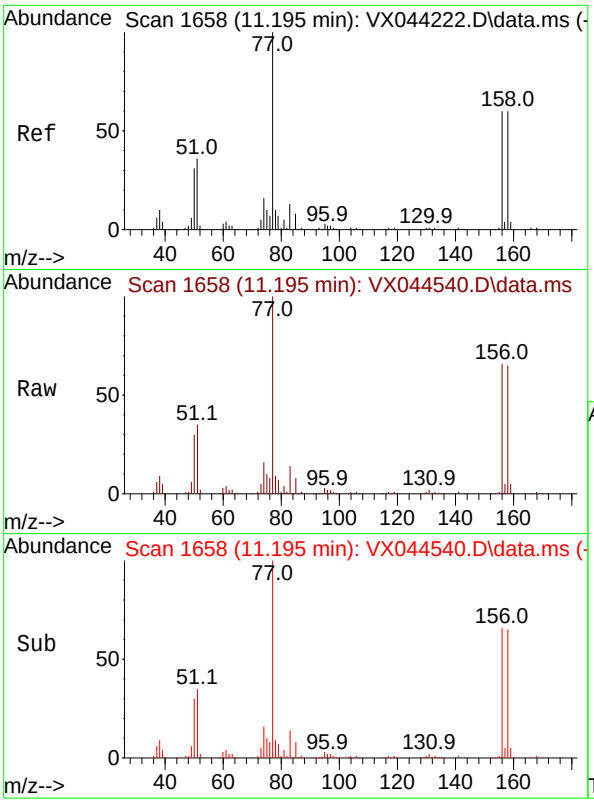




#76
1,2,3-Trichloropropane
Concen: 46.956 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 103237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.3 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 51.123 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:156 Resp: 9345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 151.0 | 82.6 | 247.8 |
| 158 | 98.0 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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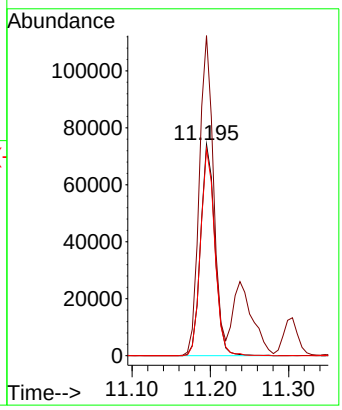
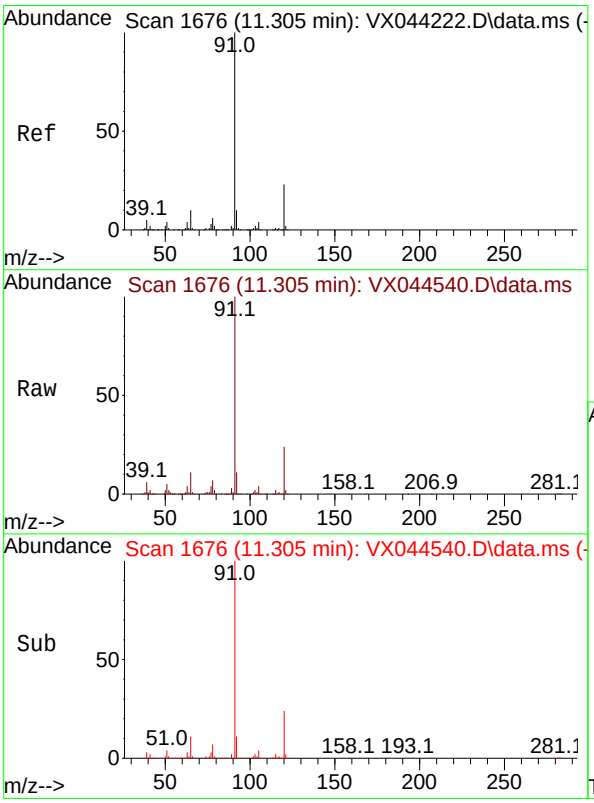
Supervised By :Mahesh Dadoda 12/31/2024

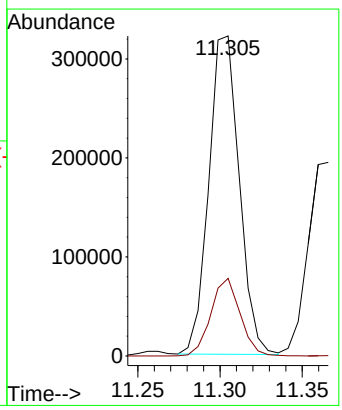


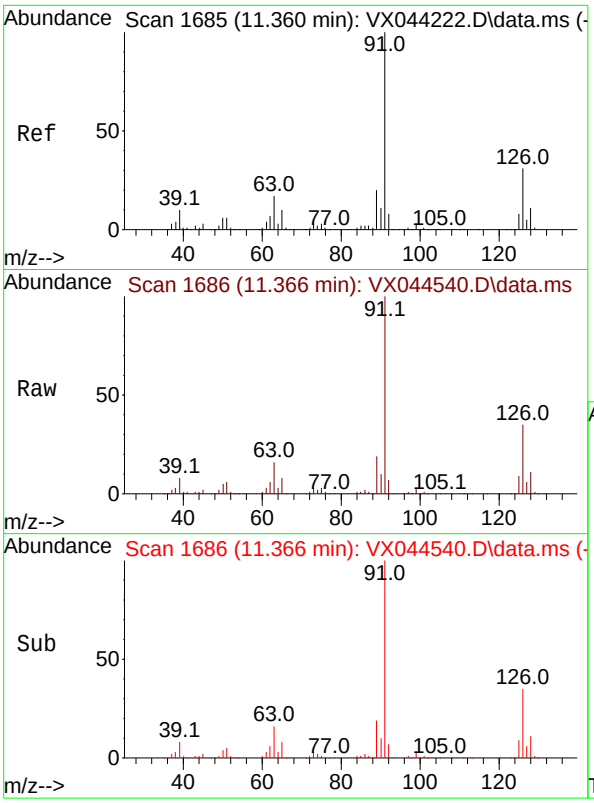




#78
n-propylbenzene
Concen: 49.746 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 414470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.5 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 47.028 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

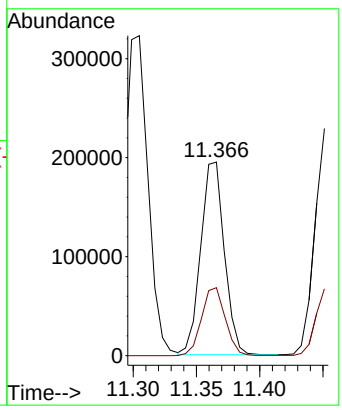
Tgt Ion: 91 Resp: 25340

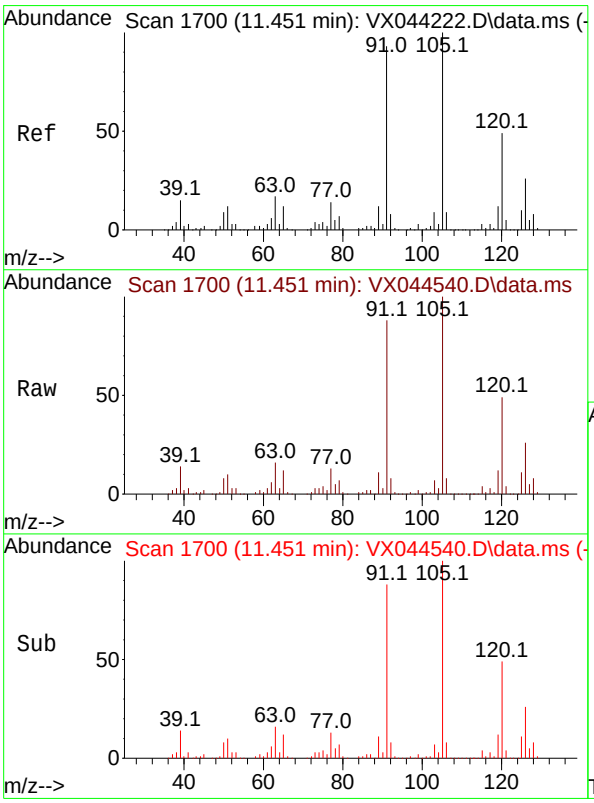
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.5 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

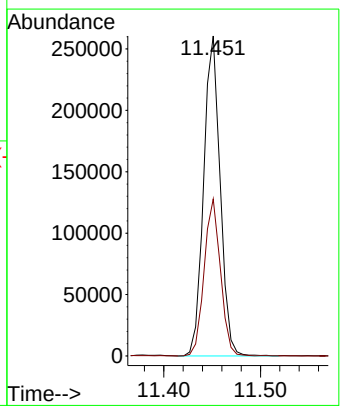


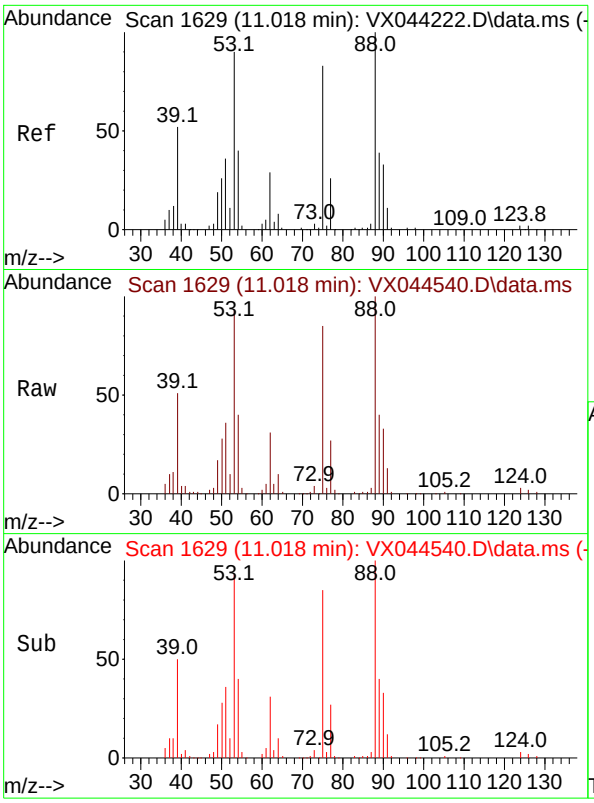




#80
1,3,5-Trimethylbenzene
Concen: 49.542 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 309707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 44.565 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 3366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 115.2 | 93.6 | 140.4 |
| 89 | 48.6 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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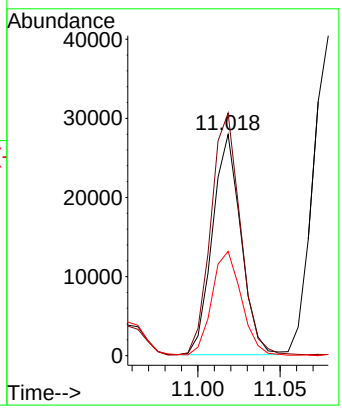
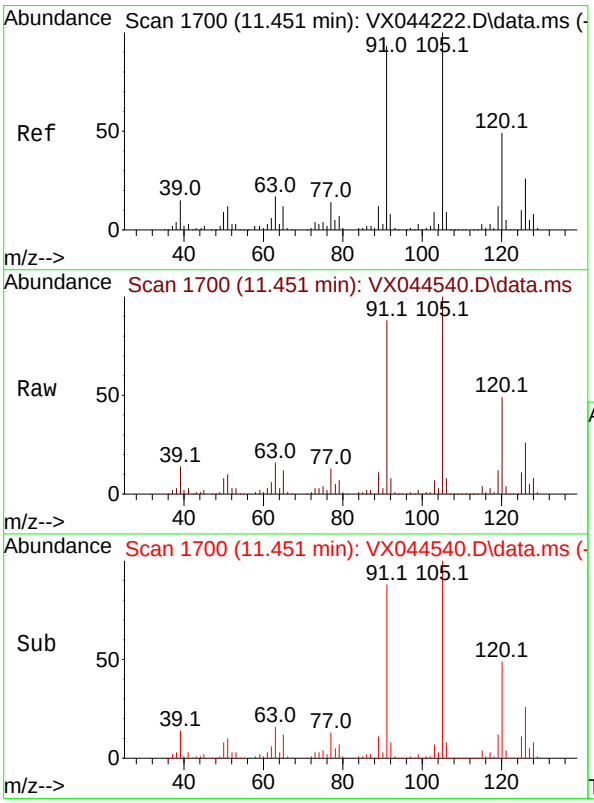
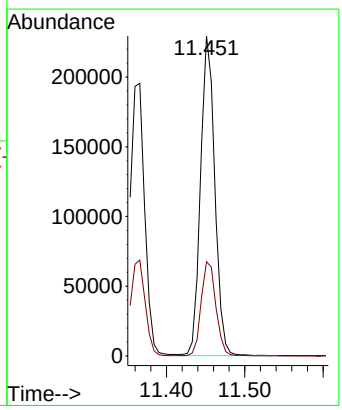


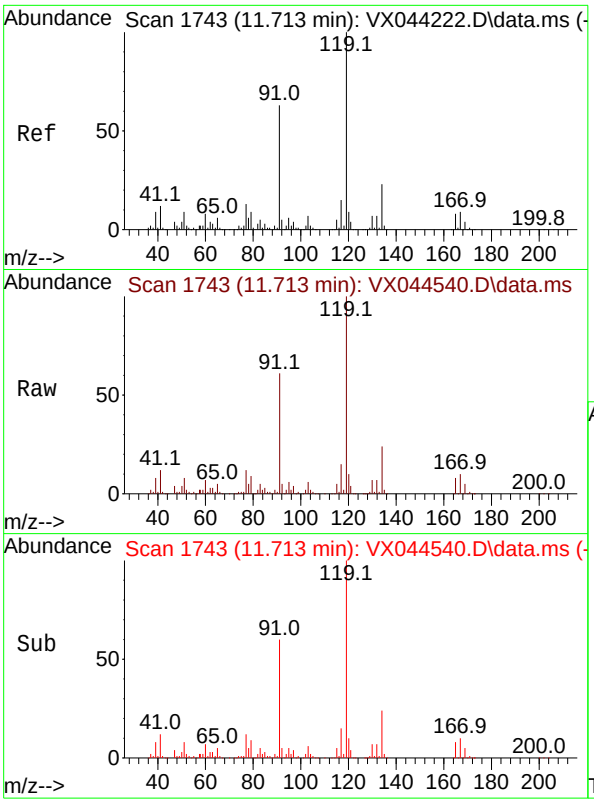




#82
4-Chlorotoluene
Concen: 48.495 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 289361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.5 | 14.5 | 43.5 |






#83
tert-Butylbenzene
Concen: 50.383 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:119 Resp: 31126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.8 | 30.9 | 92.5 |
| 134 | 24.3 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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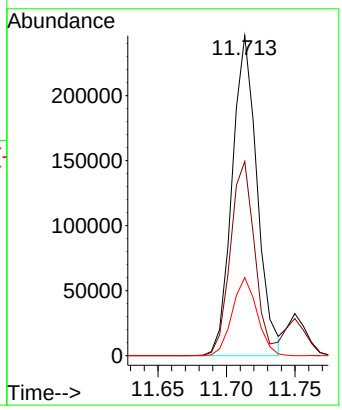
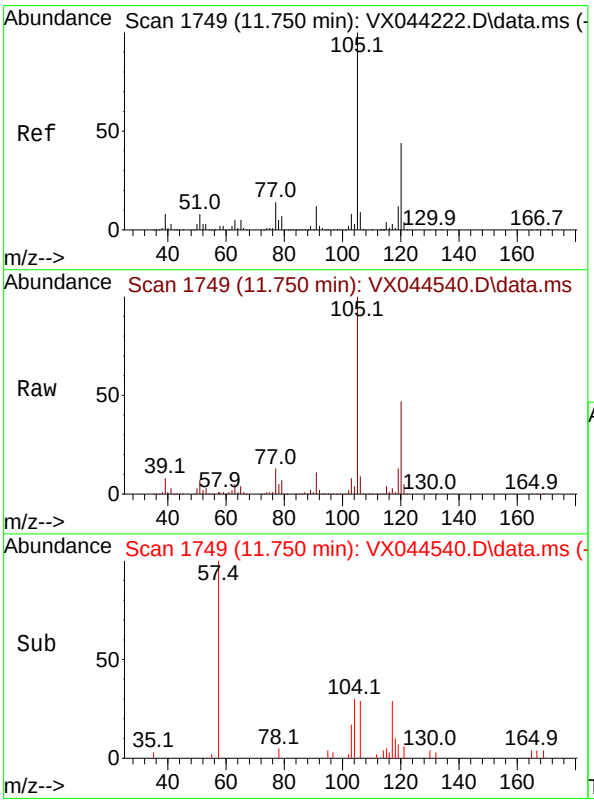
Supervised By :Mahesh Dadoda 12/31/2024

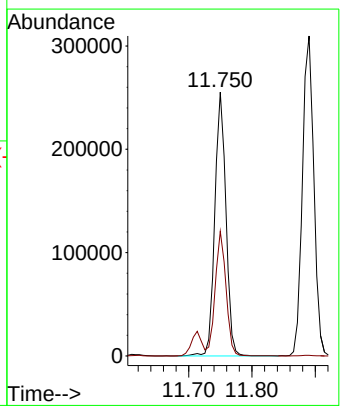


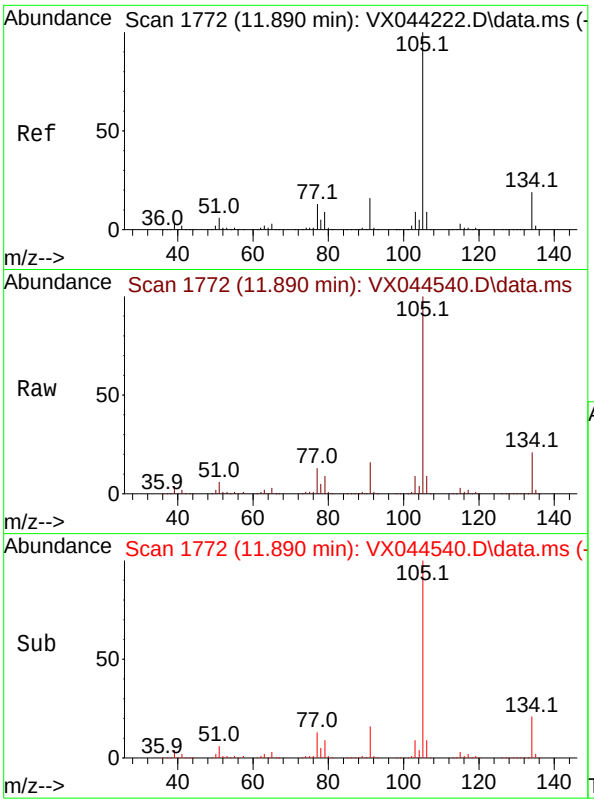




#84
1,2,4-Trimethylbenzene
Concen: 50.715 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 311357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.8 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 51.464 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 38598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.5 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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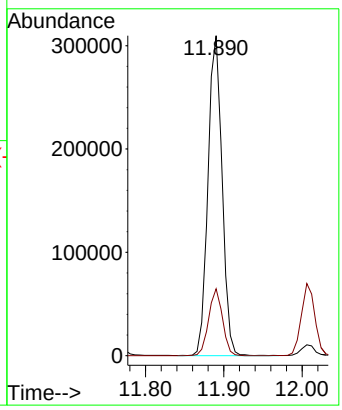
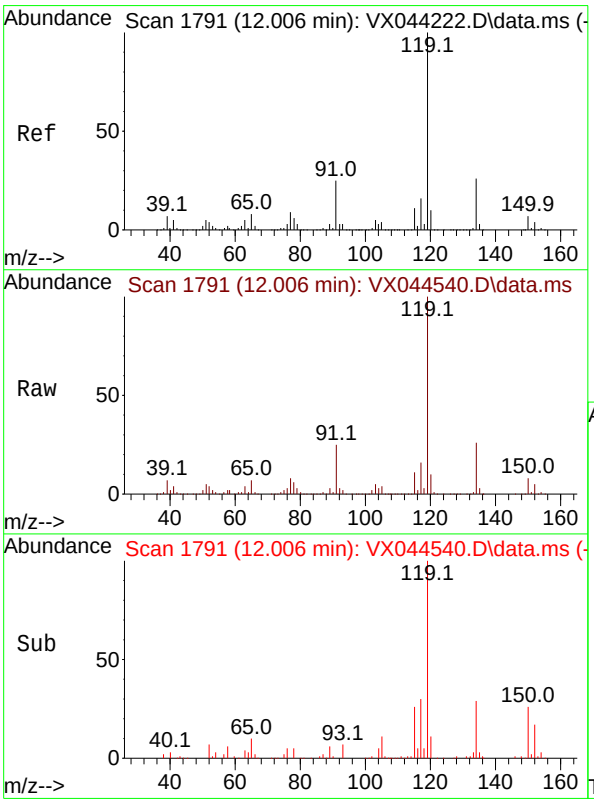
Supervised By :Mahesh Dadoda 12/31/2024

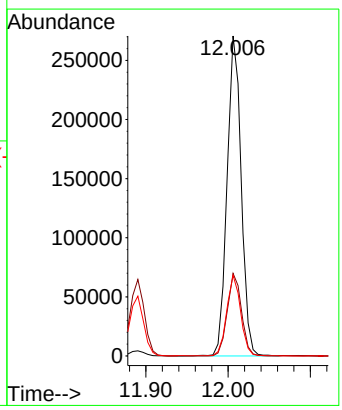


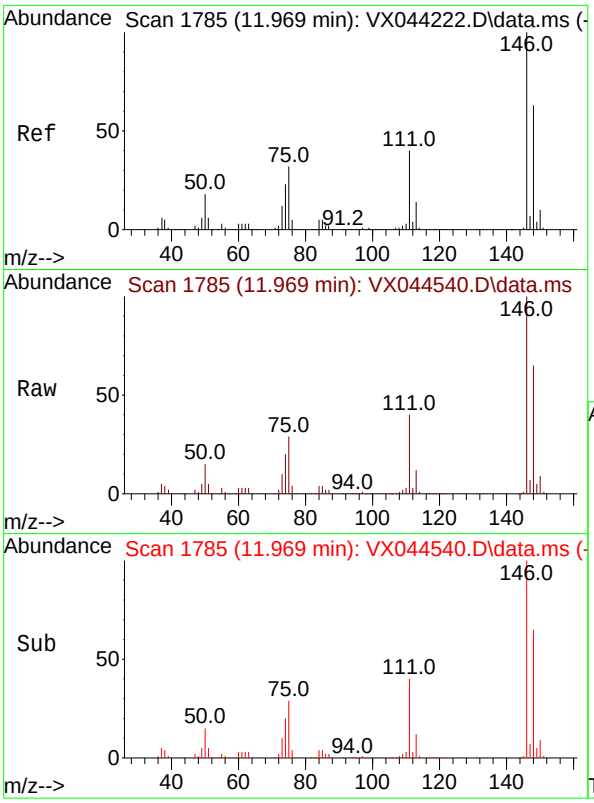




#86
p-Isopropyltoluene
Concen: 51.888 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:119 Resp: 323908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |

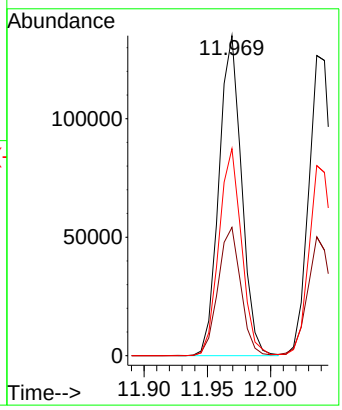





#87
1,3-Dichlorobenzene
Concen: 52.579 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:146 Resp: 16788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 21.4 | 64.2 |
| 148 | 64.7 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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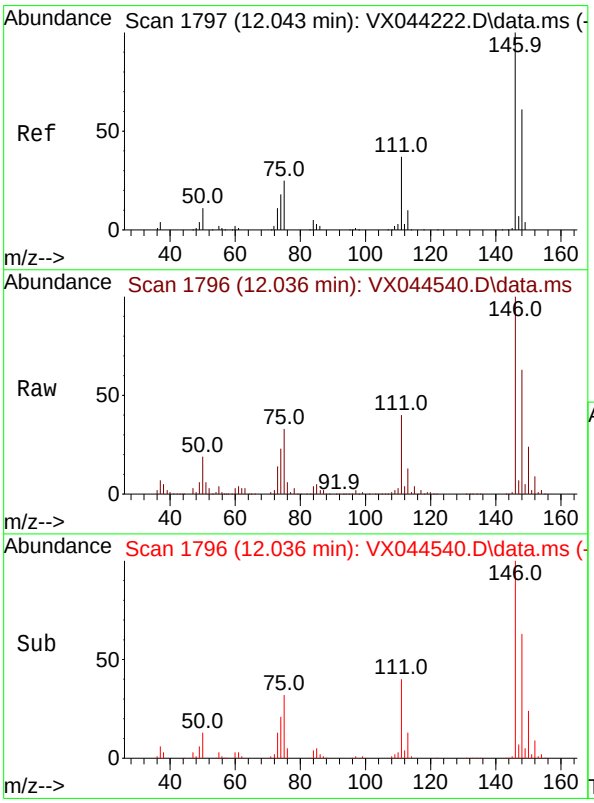
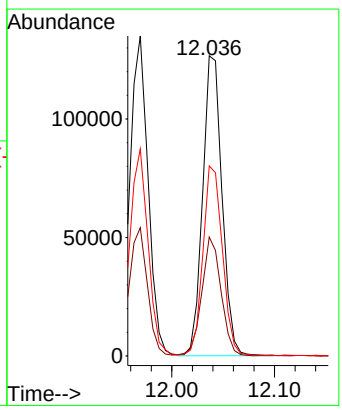
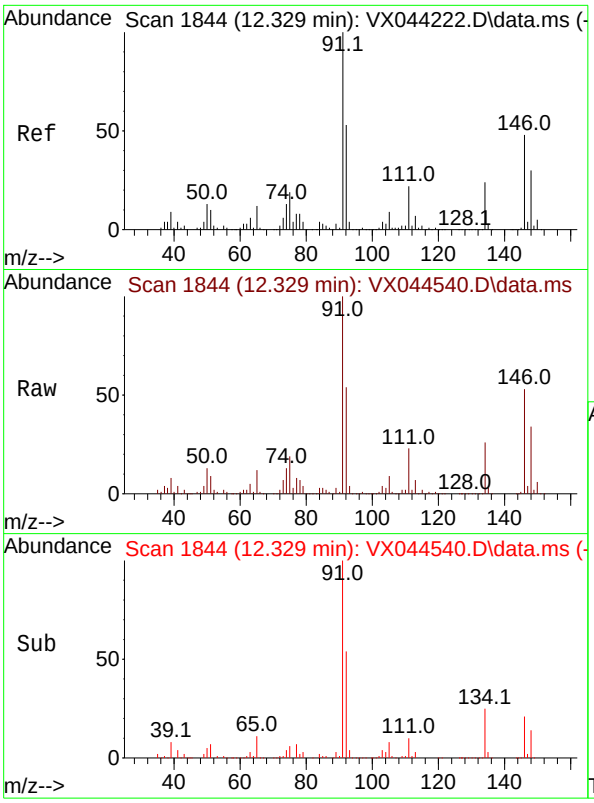



#88
1,4-Dichlorobenzene
Concen: 50.610 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:146 Resp: 166124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.3 | 21.0 | 63.0 |
| 148 | 64.0 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 52.164 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 27381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.6 | 26.6 | 79.7 |
| 134 | 26.3 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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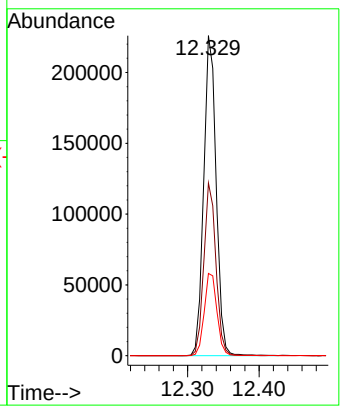
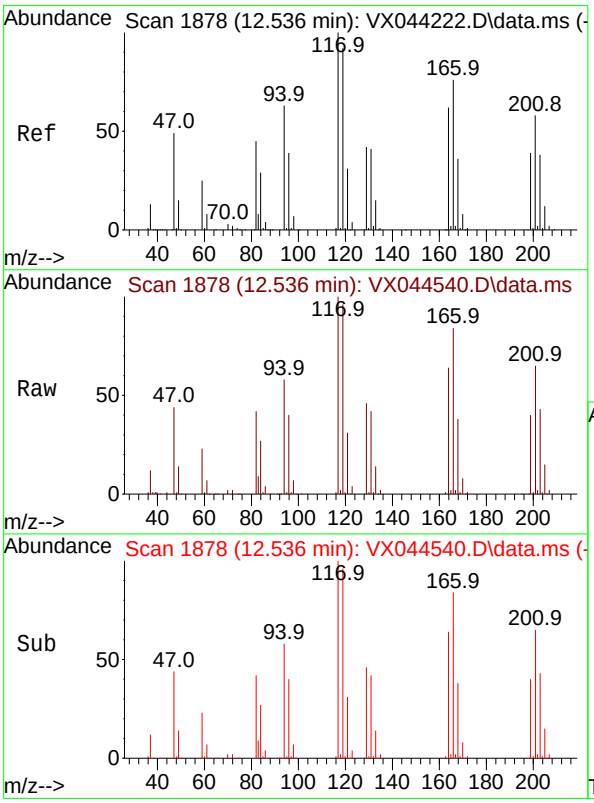
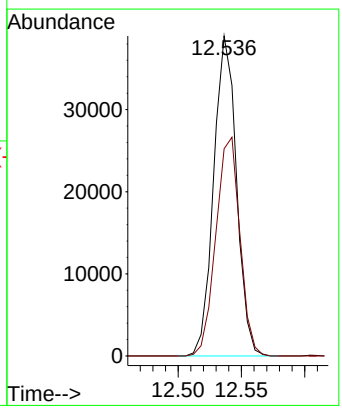


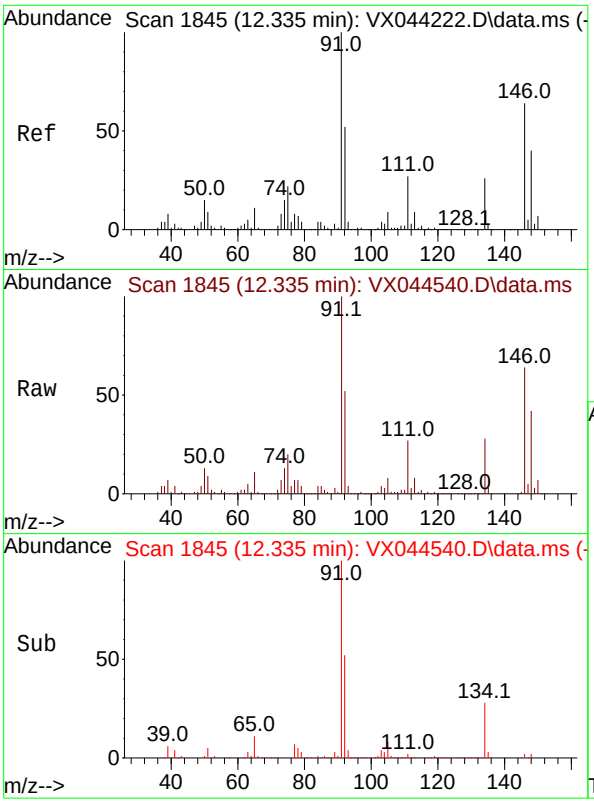




#90
Hexachloroethane
Concen: 53.517 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:117 Resp: 48767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.1 | 31.4 | 94.2 |

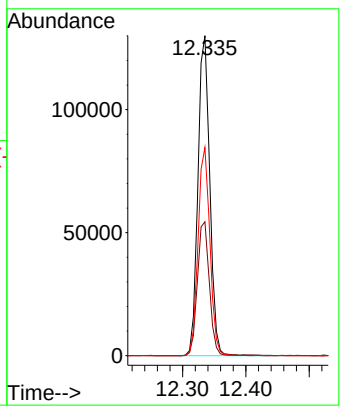





#91
1,2-Dichlorobenzene
Concen: 51.202 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:146 Resp: 16975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 21.4 | 64.3 |
| 148 | 65.0 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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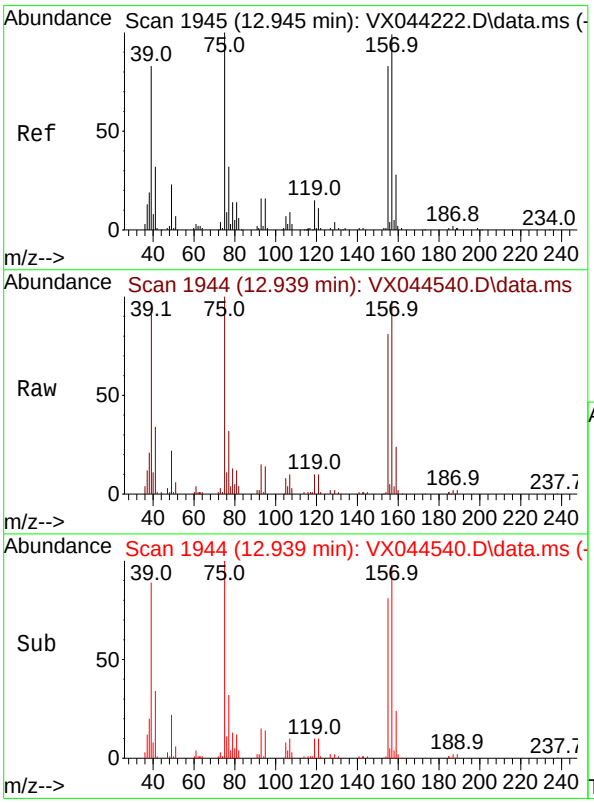
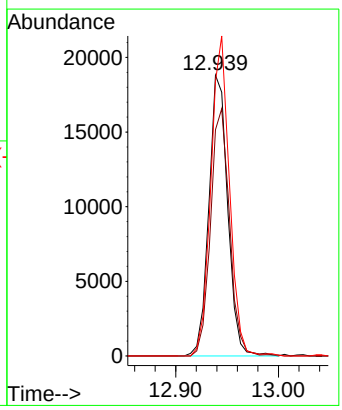
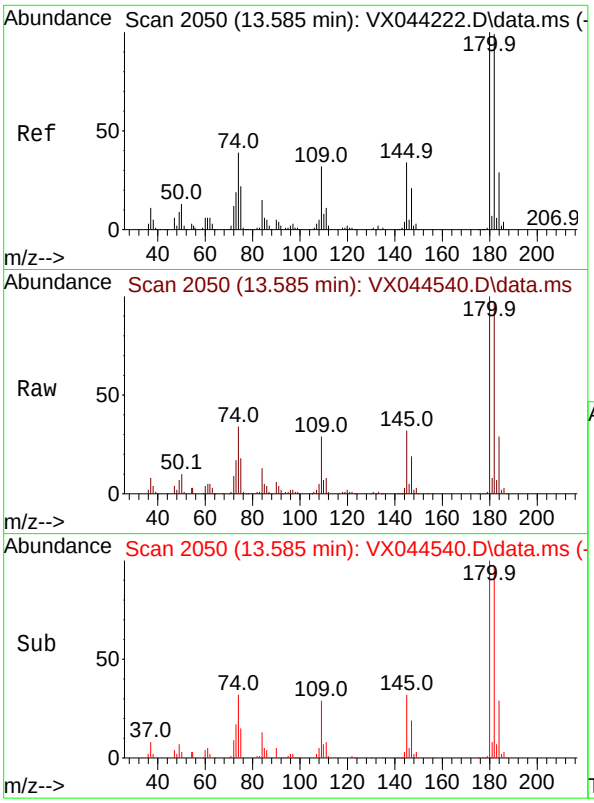



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.105 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 23942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 88.7 | 38.1 | 114.3 |
| 157 | 112.3 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 56.806 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:180 Resp: 10325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.2 | 48.0 | 144.2 |
| 145 | 31.7 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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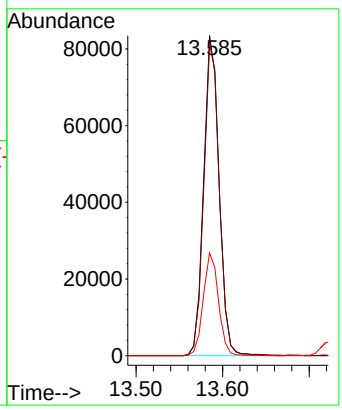
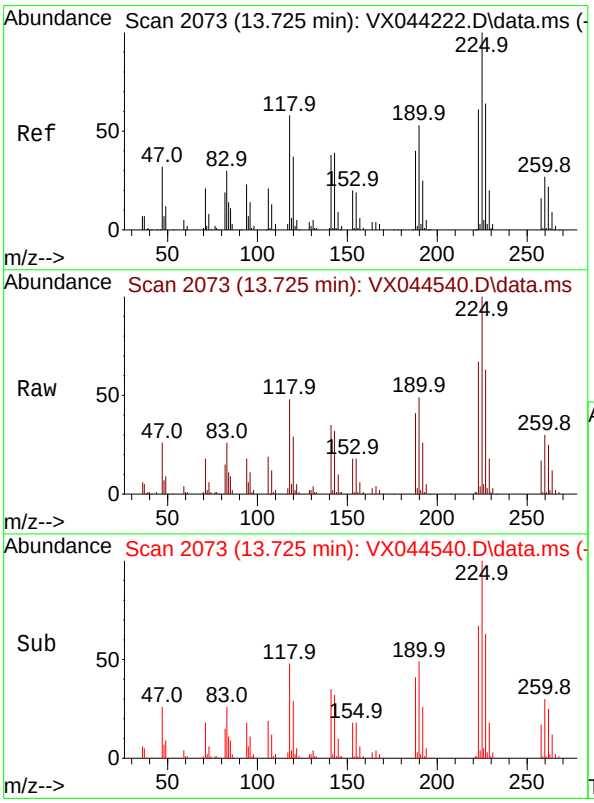
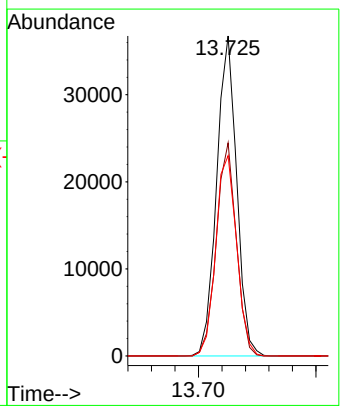


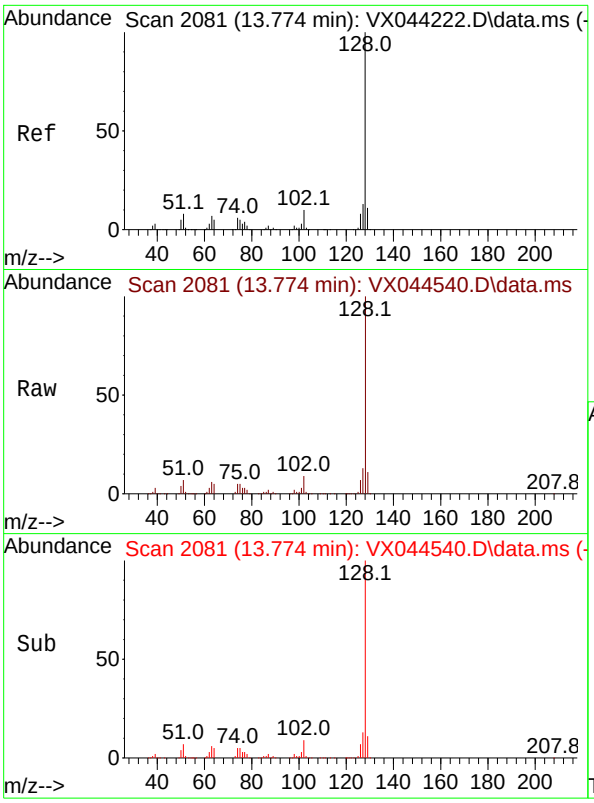




#94
Hexachlorobutadiene
Concen: 59.595 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:225 Resp: 43572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 66.1 | 30.8 | 92.4 |
| 227 | 65.4 | 32.1 | 96.3 |






#95
Naphthalene
Concen: 51.070 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

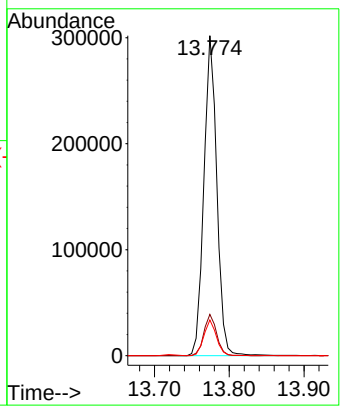
Tgt Ion:128 Resp: 36234

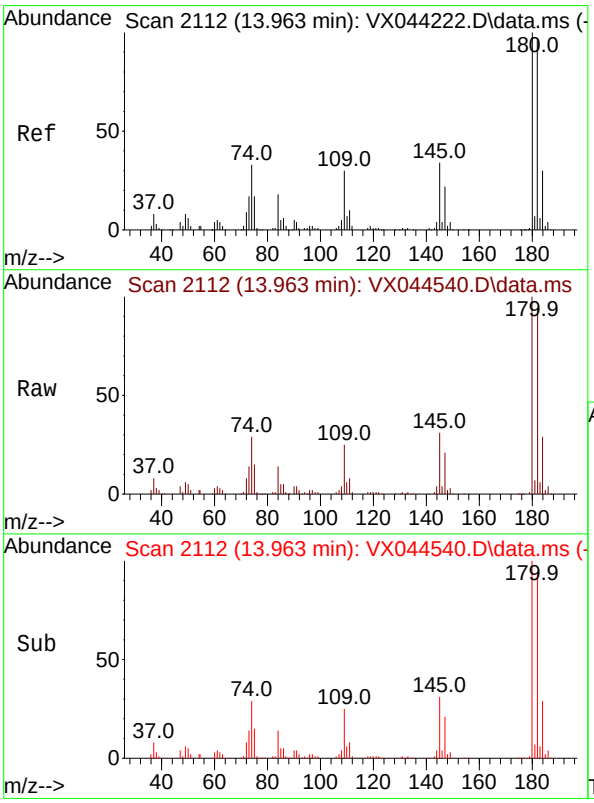
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 10.9 | 9.0 | 13.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

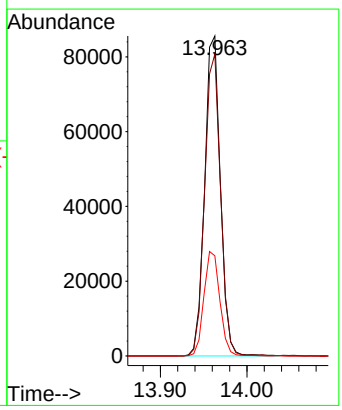



#96
1,2,3-Trichlorobenzene
Concen: 56.081 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:180 Resp: 108119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 48.0 | 144.0 |
| 145 | 33.1 | 17.7 | 53.1 |



Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.773 | 0.704 | 8.9 | 98 | 0.00 |
| 3 | P | Chloromethane | 0.739 | 0.649 | 12.2 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 0.770 | 0.670 | 13.0# | 94 | 0.00 |
| 5 | T | Bromomethane | 0.546 | 0.451 | 17.4 | 90 | 0.00 |
| 6 | T | Chloroethane | 0.480 | 0.420 | 12.5 | 87 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.508 | 1.226 | 18.7 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 0.515 | 0.472 | 8.3 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.602 | 1.3 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 0.804 | 0.802 | 0.2 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.101 | 18.5 | 92 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.547 | 2.3# | 101 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.102 | 43.0# | 61 | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.839 | 10.1 | 91 | 0.00 |
| 15 | T | Acrylonitrile | 0.342 | 0.319 | 6.7 | 98 | 0.00 |
| 16 | T | Acetone | 0.357 | 0.291 | 18.5 | 84 | 0.00 |
| 17 | T | Carbon Disulfide | 1.065 | 0.968 | 9.1 | 92 | 0.00 |
| 18 | T | Methyl Acetate | 0.922 | 0.858 | 6.9 | 99 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.187 | 1.898 | 13.2 | 90 | 0.00 |
| 20 | T | Methylene Chloride | 0.671 | 0.609 | 9.2 | 97 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.541 | 9.2 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 2.102 | 1.821 | 13.4 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 1.709 | 1.574 | 7.9 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.172 | 1.067 | 9.0 | 94 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.441 | 13.2 | 88 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.952 | 0.888 | 6.7 | 93 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.756 | 0.696 | 7.9 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 0.575 | 0.491 | 14.6 | 91 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.284 | 12.9 | 92 | 0.00 |
| 30 | C | Chloroform | 1.316 | 1.161 | 11.8# | 95 | 0.00 |
| 31 | T | Cyclohexane | 0.946 | 0.837 | 11.5 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.093 | 1.013 | 7.3 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.877 | 0.712 | 18.8 | 85 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.347 | -0.3 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.448 | 0.442 | 1.3 | 95 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.526 | 4.9 | 87 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.482 | 0.508 | -5.4 | 97 | 0.00 |
| 39 | T | Methylcyclohexane | 0.535 | 0.577 | -7.9 | 99 | 0.00 |
| 40 | TM | Benzene | 1.359 | 1.402 | -3.2 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.285 | 3.1 | 91 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.560 | 0.548 | 2.1 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.858 | 0.8 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 0.339 | 0.365 | -7.7 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.347 | 0.354 | -2.0# | 95 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.276 | -2.6 | 93 | 0.00 |
| 47 | T | Bromodichloromethane | 0.465 | 0.504 | -8.4 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 0.420 | 0.411 | 2.1 | 89 | 0.00 |

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.008 | -14.3 | 98 | 0.00 |
| 50 | S | Toluene-d8 | 1.168 | 1.152 | 1.4 | 88 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.556 | 0.557 | -0.2 | 90 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.875 | -2.6# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.455 | 0.489 | -7.5 | 91 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.507 | 0.549 | -8.3 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.339 | 0.365 | -7.7 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.535 | 0.546 | -2.1 | 91 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.603 | -2.2 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.250 | 7.4 | 82 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.408 | -1.2 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 0.326 | 0.376 | -15.3 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.387 | -12.2 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.408 | 0.416 | -2.0 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 0.332 | 0.375 | -13.0 | 112 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.137 | -6.2 | 100 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.344 | 0.395 | -14.8 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 1.851 | 1.949 | -5.3# | 97 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.724 | -6.6 | 98 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.730 | -6.3 | 99 | 0.00 |
| 70 | T | Styrene | 1.102 | 1.225 | -11.2 | 101 | 0.00 |
| 71 | P | Bromoform | 0.219 | 0.274 | -25.1# | 106 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 3.828 | 3.771 | 1.5 | 100 | 0.00 |
| 74 | T | N-amyl acetate | 1.769 | 1.624 | 8.2 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.329 | 1.246 | 6.2 | 96 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.116 | 1.048 | 6.1 | 96 | 0.00 |
| 77 | T | Bromobenzene | 0.928 | 0.949 | -2.3 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 4.231 | 4.209 | 0.5 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.736 | 2.573 | 6.0 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.174 | 3.145 | 0.9 | 98 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.347 | 0.342 | 1.4 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.030 | 2.939 | 3.0 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.137 | 3.161 | -0.8 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.117 | 3.162 | -1.4 | 99 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.808 | 3.920 | -2.9 | 102 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.170 | 3.289 | -3.8 | 102 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.621 | 1.705 | -5.2 | 105 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.687 | -1.2 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 2.665 | 2.781 | -4.4 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 0.463 | 0.495 | -6.9 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.724 | -2.4 | 103 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.243 | 5.8 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.923 | 1.049 | -13.7 | 111 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.371 | 0.442 | -19.1 | 124 | 0.00 |
| 95 | T | Naphthalene | 3.603 | 3.680 | -2.1 | 99 | 0.00 |

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.979 | 1.098 | -12.2 | 111 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 110 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.524 | 9.0 | 98 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.875 | 12.3 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 43.513 | 13.0# | 94 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 41.301 | 17.4 | 90 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 43.836 | 12.3 | 87 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 40.661 | 18.7 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 45.861 | 8.3 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.314 | 1.4 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.847 | 0.3 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 203.663 | 18.5 | 92 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.846 | 2.3# | 101 | 0.00 |
| 13 | T | Acrolein | 250.000 | 142.534 | 43.0# | 61 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.955 | 10.1 | 91 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 233.158 | 6.7 | 98 | 0.00 |
| 16 | T | Acetone | 250.000 | 203.343 | 18.7 | 84 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 45.453 | 9.1 | 92 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 46.562 | 6.9 | 99 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 43.403 | 13.2 | 90 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 45.325 | 9.3 | 97 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.427 | 9.1 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 43.324 | 13.4 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 230.231 | 7.9 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 45.551 | 8.9 | 94 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 217.020 | 13.2 | 88 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.637 | 6.7 | 93 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 46.029 | 7.9 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 42.719 | 14.6 | 91 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 217.562 | 13.0 | 92 | 0.00 |
| 30 | C | Chloroform | 50.000 | 44.097 | 11.8# | 95 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.218 | 11.6 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.342 | 7.3 | 95 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 40.623 | 18.8 | 85 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.062 | -0.1 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.419 | 1.2 | 95 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 47.524 | 5.0 | 87 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 52.739 | -5.5 | 97 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.905 | -7.8 | 99 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.597 | -3.2 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 48.575 | 2.8 | 91 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.922 | 2.2 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.578 | 0.8 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 53.888 | -7.8 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.047 | -2.1# | 95 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.298 | -2.6 | 93 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.155 | -8.3 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.959 | 2.1 | 89 | 0.00 |

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1108.620 | -10.9 | 98 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.293 | 1.4 | 88 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 250.388 | -0.2 | 90 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.274 | -2.5# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.988 | 2.0 | 91 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.223 | -8.4 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.821 | -7.6 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 51.019 | -2.0 | 91 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.116 | -2.2 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 231.727 | 7.3 | 82 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 253.490 | -1.4 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.230 | -4.5 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.057 | -12.1 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.906 | -1.8 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 56.524 | -13.0 | 112 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 53.076 | -6.2 | 100 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 57.314 | -14.6 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.655 | -5.3# | 97 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 106.627 | -6.6 | 98 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.072 | -6.1 | 99 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.603 | -11.2 | 101 | 0.00 |
| 71 | P | Bromoform | 50.000 | 56.136 | -12.3 | 106 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.257 | 1.5 | 100 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 45.915 | 8.2 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.872 | 6.3 | 96 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.956 | 6.1 | 96 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.123 | -2.2 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.746 | 0.5 | 97 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.028 | 5.9 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.542 | 0.9 | 98 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.565 | 10.9 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.495 | 3.0 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.383 | -0.8 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.715 | -1.4 | 99 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.464 | -2.9 | 102 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.888 | -3.8 | 102 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.579 | -5.2 | 105 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.610 | -1.2 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.164 | -4.3 | 101 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.517 | -7.0 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.202 | -2.4 | 103 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.105 | 5.8 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 56.806 | -13.6 | 111 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 59.595 | -19.2 | 124 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.070 | -2.1 | 99 | 0.00 |

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 56.081 | -12.2 | 111 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044566.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/30/2024 23:54

Lab File ID: VX044566.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.773 | 0.656 | | -15.14 | 50 |
| Chloromethane | 0.739 | 0.595 | 0.1 | -19.49 | 50 |
| Vinyl Chloride | 0.770 | 0.637 | | -17.27 | 50 |
| Bromomethane | 0.546 | 0.434 | | -20.51 | 50 |
| Chloroethane | 0.480 | 0.411 | | -14.38 | 50 |
| Trichlorofluoromethane | 1.508 | 1.187 | | -21.29 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.610 | 0.575 | | -5.74 | 50 |
| 1,1-Dichloroethene | 0.560 | 0.554 | | -1.07 | 50 |
| Acetone | 0.357 | 0.284 | | -20.45 | 50 |
| Carbon Disulfide | 1.065 | 0.937 | | -12.02 | 50 |
| Methyl tert-butyl Ether | 2.187 | 1.892 | | -13.49 | 50 |
| Methyl Acetate | 0.922 | 0.841 | | -8.78 | 50 |
| Methylene Chloride | 0.671 | 0.598 | | -10.88 | 50 |
| trans-1,2-Dichloroethene | 0.596 | 0.545 | | -8.56 | 50 |
| 1,1-Dichloroethane | 1.172 | 1.065 | 0.1 | -9.13 | 50 |
| Cyclohexane | 0.946 | 0.793 | | -16.17 | 50 |
| 2-Butanone | 0.508 | 0.435 | | -14.37 | 50 |
| Carbon Tetrachloride | 0.482 | 0.484 | | 0.41 | 50 |
| cis-1,2-Dichloroethene | 0.756 | 0.682 | | -9.79 | 50 |
| Bromochloromethane | 0.575 | 0.455 | | -20.87 | 50 |
| Chloroform | 1.316 | 1.146 | | -12.92 | 50 |
| 1,1,1-Trichloroethane | 1.093 | 1.005 | | -8.05 | 50 |
| Methylcyclohexane | 0.535 | 0.513 | | -4.11 | 50 |
| Benzene | 1.359 | 1.334 | | -1.84 | 50 |
| 1,2-Dichloroethane | 0.560 | 0.526 | | -6.07 | 50 |
| Trichloroethene | 0.339 | 0.354 | | 4.43 | 50 |
| 1,2-Dichloropropane | 0.347 | 0.331 | | -4.61 | 50 |
| Bromodichloromethane | 0.465 | 0.478 | | 2.8 | 50 |
| 4-Methyl-2-Pentanone | 0.556 | 0.539 | | -3.06 | 50 |
| Toluene | 0.853 | 0.835 | | -2.11 | 50 |
| t-1,3-Dichloropropene | 0.455 | 0.458 | | 0.66 | 50 |
| cis-1,3-Dichloropropene | 0.507 | 0.510 | | 0.59 | 50 |
| 1,1,2-Trichloroethane | 0.339 | 0.351 | | 3.54 | 50 |
| 2-Hexanone | 0.403 | 0.398 | | -1.24 | 50 |
| Dibromochloromethane | 0.326 | 0.361 | | 10.74 | 50 |
| 1,2-Dibromoethane | 0.345 | 0.364 | | 5.51 | 50 |
| Tetrachloroethene | 0.332 | 0.332 | | 0 | 50 |
| Chlorobenzene | 1.071 | 1.067 | 0.3 | -0.37 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5317 SAS No.: P5317 SDG No.: P5317

Instrument ID: MSVOA_X Calibration Date/Time: 12/30/2024 23:54

Lab File ID: VX044566.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 1.830 | | -1.13 | 50 |
| m/p-Xylenes | 0.679 | 0.685 | | 0.88 | 50 |
| o-Xylene | 0.687 | 0.687 | | 0 | 50 |
| Styrene | 1.102 | 1.146 | | 3.99 | 50 |
| Bromoform | 0.219 | 0.264 | 0.1 | 20.55 | 50 |
| Isopropylbenzene | 3.828 | 3.680 | | -3.87 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.329 | 1.263 | 0.3 | -4.97 | 50 |
| 1,3-Dichlorobenzene | 1.621 | 1.658 | | 2.28 | 50 |
| 1,4-Dichlorobenzene | 1.667 | 1.661 | | -0.36 | 50 |
| 1,2-Dichlorobenzene | 1.684 | 1.678 | | -0.36 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.258 | 0.241 | | -6.59 | 50 |
| 1,2,4-Trichlorobenzene | 0.923 | 1.013 | | 9.75 | 50 |
| 1,2,3-Trichlorobenzene | 0.979 | 1.063 | | 8.58 | 50 |
| 1,2-Dichloroethane-d4 | 0.877 | 0.721 | | -17.79 | 50 |
| Dibromofluoromethane | 0.346 | 0.346 | | 0 | 50 |
| Toluene-d8 | 1.168 | 1.133 | | -3 | 50 |
| 4-Bromofluorobenzene | 0.408 | 0.410 | | 0.49 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 134908 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 225955 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 199687 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 97406 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 97335 | 41.150 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 82.300% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 78099 | 49.905 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.820% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 255928 | 48.474 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 96.940% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92593 | 50.190 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.380% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 88473 | 42.412 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 80213 | 40.211 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 85988 | 41.376 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 58486 | 39.669 | ug/l | 96 |
| 6) Chloroethane | 1.660 | 64 | 55460 | 42.857 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 160196 | 39.375 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 60946 | 43.886 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 77621 | 47.148 | ug/l | 95 |
| 10) Methyl Iodide | 2.440 | 142 | 104691 | 48.249 | ug/l | 94 |
| 11) Tert butyl alcohol | 2.995 | 59 | 68583 | 205.729 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 74754 | 49.435 | ug/l | 98 |
| 13) Acrolein | 2.239 | 56 | 219281 | 454.411 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 109846 | 43.612 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 206660 | 223.794 | ug/l | 100 |
| 16) Acetone | 2.392 | 43 | 191360 | 198.438 | ug/l | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 126347 | 43.956 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 113435 | 45.622 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 255271 | 43.259 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 80711 | 44.561 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 73581 | 45.785 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 241729 | 42.621 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1052226 | 228.196 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 143640 | 45.434 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 293704 | 214.237 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 92800 | 36.132 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 92046 | 45.097 | ug/l | 92 |
| 28) Bromochloromethane | 4.897 | 49 | 61368 | 39.585 | ug/l | 90 |
| 29) Tetrahydrofuran | 5.007 | 42 | 187403 | 212.969 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 154551 | 43.510 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 107006 | 41.915 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 135637 | 46.002 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 96599 | 47.753 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 115086 | 46.024 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 109326 | 50.199 | ug/l | 97 |
| 39) Methylcyclohexane | 7.372 | 83 | 115954 | 47.948 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 301408 | 49.074 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 61126 | 46.035 ug/l | 95 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 118878 | 46.987 ug/l | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 185677 | 47.508 ug/l | 98 |
| 44) Trichloroethene | 7.123 | 130 | 80026 | 52.249 ug/l | 91 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 74860 | 47.708 ug/l | 97 |
| 46) Dibromomethane | 7.580 | 93 | 60246 | 49.490 ug/l | 91 |
| 47) Bromodichloromethane | 7.818 | 83 | 108056 | 51.396 ug/l | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 88938 | 46.878 ug/l | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 28733 | 913.462 ug/l # | 73 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 608819 | 242.270 ug/l | 98 |
| 52) Toluene | 8.714 | 92 | 188560 | 48.888 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 103525 | 46.134 ug/l | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 115192 | 50.320 ug/l | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 79336 | 51.778 ug/l | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 121845 | 50.372 ug/l | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 130819 | 49.051 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 262876 | 215.466 ug/l | 97 |
| 59) 2-Hexanone | 9.433 | 43 | 449825 | 247.299 ug/l | 98 |
| 60) Dibromochloromethane | 9.518 | 129 | 81525 | 50.226 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 82337 | 52.792 ug/l | 97 |
| 64) Tetrachloroethene | 9.275 | 164 | 66308 | 50.030 ug/l | 95 |
| 65) Chlorobenzene | 10.079 | 112 | 213039 | 49.789 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 75033 | 54.563 ug/l | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 365437 | 49.429 ug/l | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 273541 | 100.832 ug/l | 96 |
| 69) o-Xylene | 10.640 | 106 | 137223 | 49.993 ug/l | 96 |
| 70) Styrene | 10.652 | 104 | 228924 | 52.025 ug/l | 95 |
| 71) Bromoform | 10.799 | 173 | 52709 | 54.252 ug/l # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 358412 | 48.065 ug/l | 98 |
| 74) N-amyl acetate | 10.841 | 43 | 158466 | 45.983 ug/l | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 123043 | 47.507 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 99157m | 45.593 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 91064 | 50.361 ug/l | 93 |
| 78) n-propylbenzene | 11.305 | 91 | 398738 | 48.380 ug/l | 97 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 245736 | 46.103 ug/l | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 294610 | 47.642 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29397 | 39.990 ug/l | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 280598 | 47.540 ug/l | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 304970 | 49.903 ug/l | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 298601 | 49.168 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 359795 | 48.496 ug/l | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 308256 | 49.920 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 161456 | 51.117 ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 161835 | 49.842 ug/l | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 250983 | 48.337 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 46260 | 51.321 ug/l | 88 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 163405 | 49.824 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 23513 | 46.766 ug/l | 86 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 98627 | 54.853 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 40268 | 55.678 ug/l | 99 |
| 95) Naphthalene | 13.774 | 128 | 348668 | 49.679 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 103555 | 54.300 ug/l | 95 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

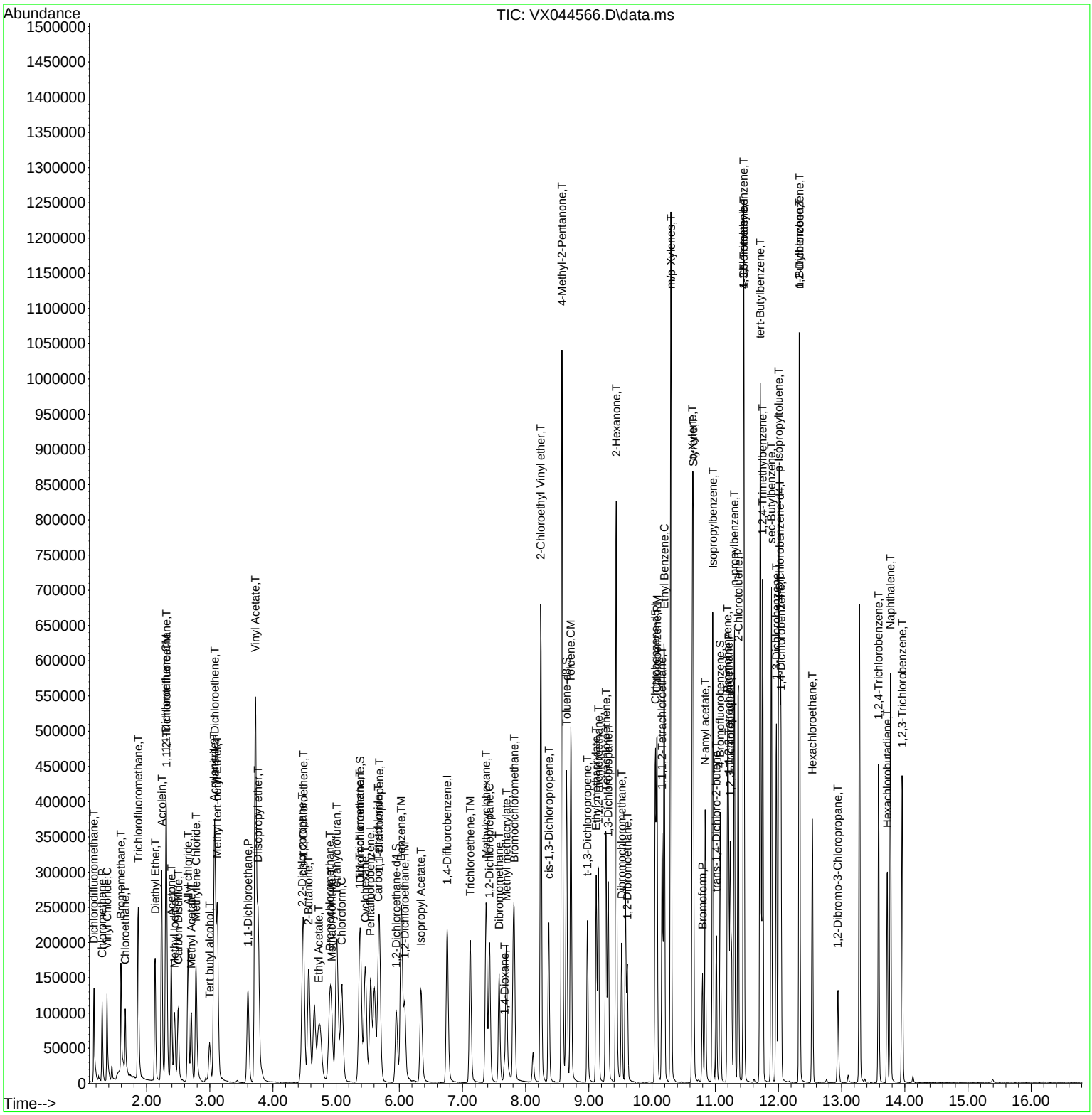
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

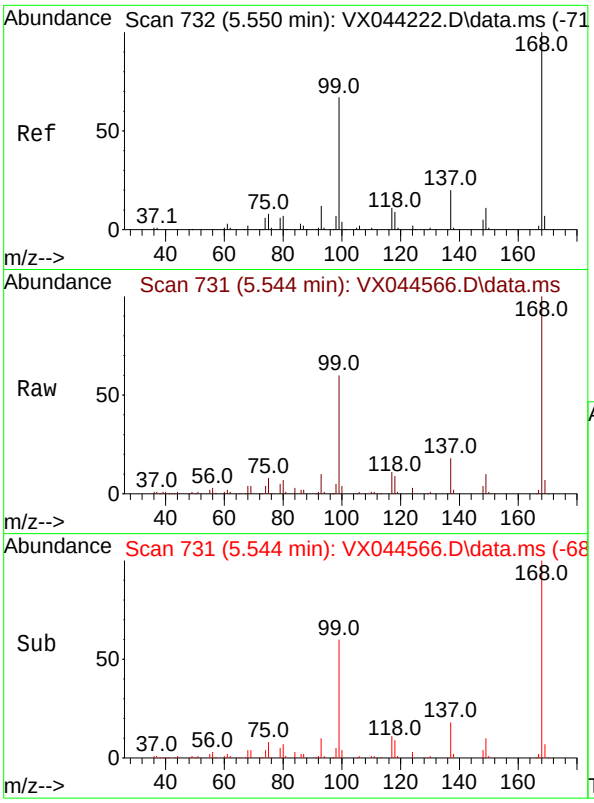
Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

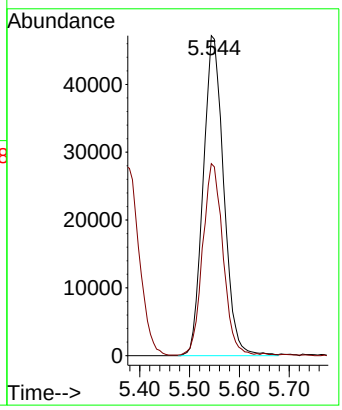





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:168 Resp: 13490

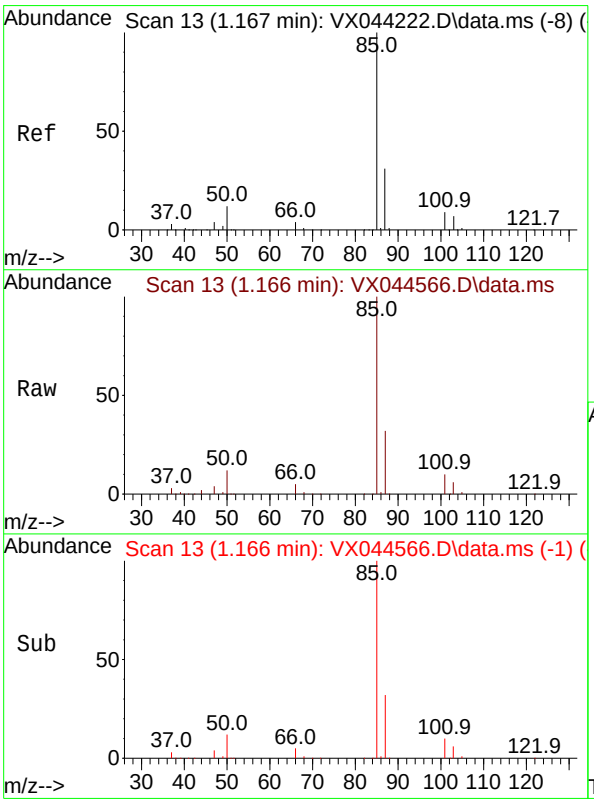
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

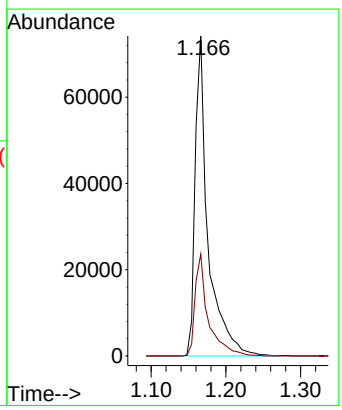
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

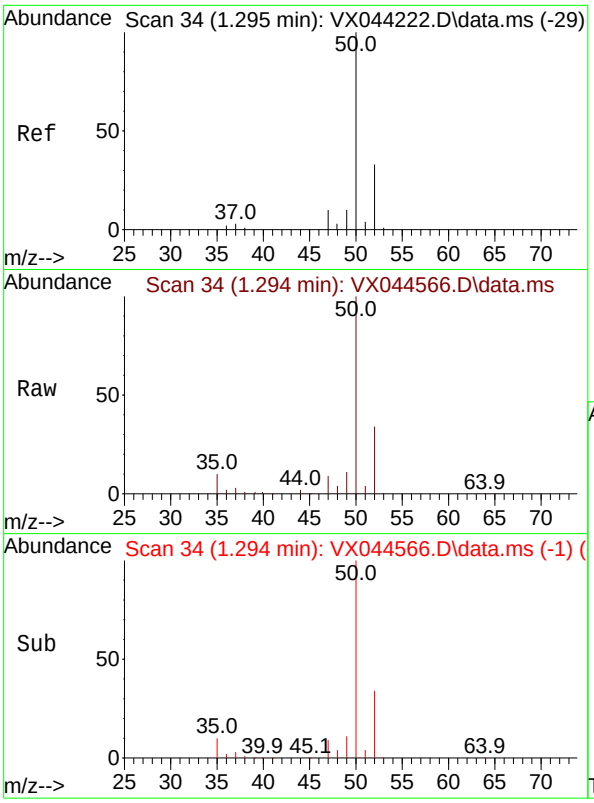



#2
Dichlorodifluoromethane
Concen: 42.412 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 85 Resp: 88473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.8 | 15.4 | 46.4 |

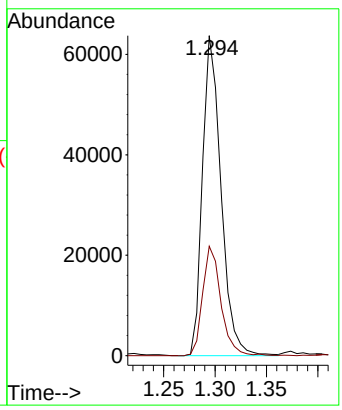





#3
Chloromethane
Concen: 40.211 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 50 Resp: 8021

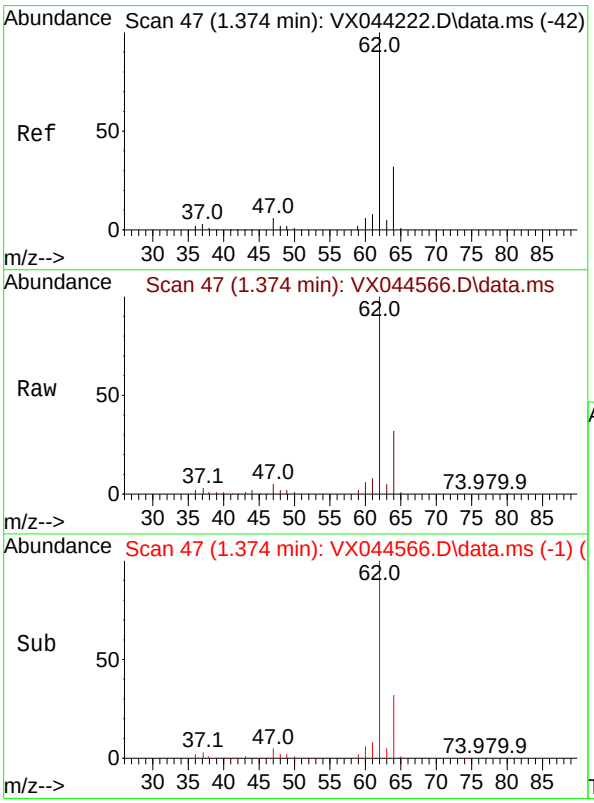
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.2 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

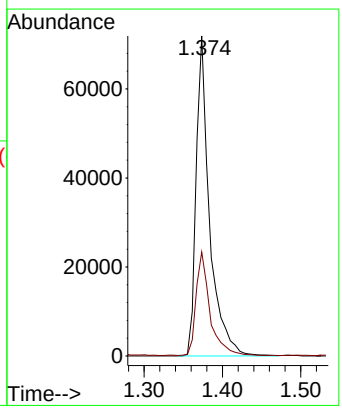
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

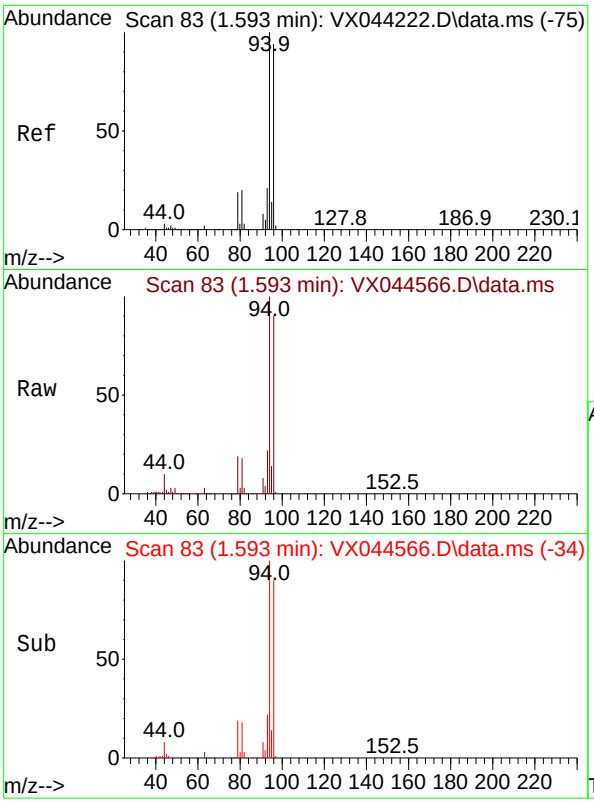



#4
Vinyl Chloride
Concen: 41.376 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 62 Resp: 85988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.4 | 25.7 | 38.5 |

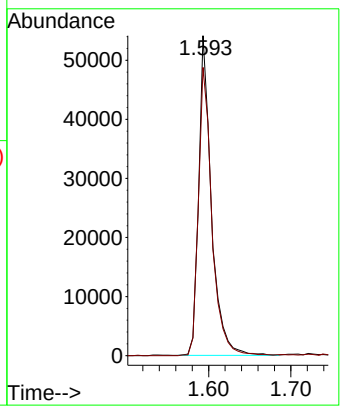





#5
Bromomethane
Concen: 39.669 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 94 Resp: 5848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.2 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

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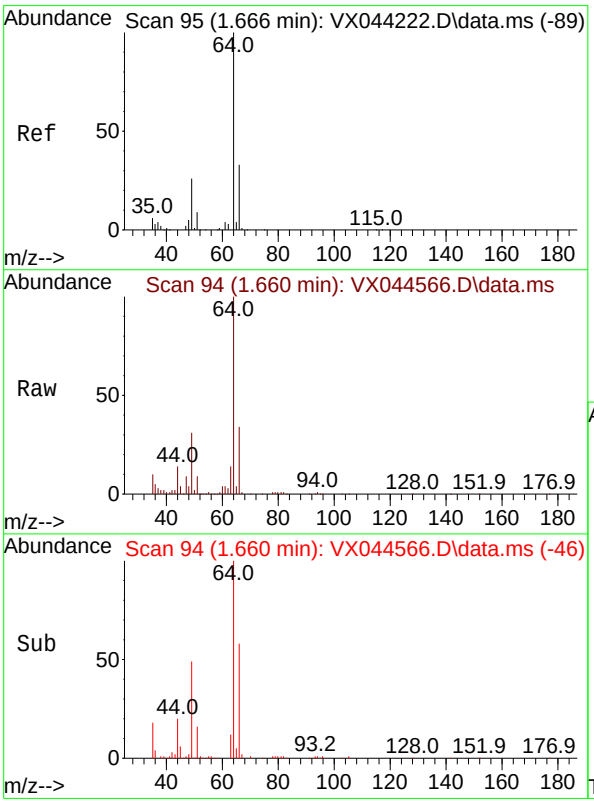
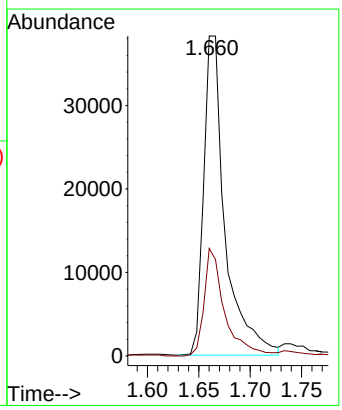
Supervised By :Mahesh Dadoda 12/31/2024

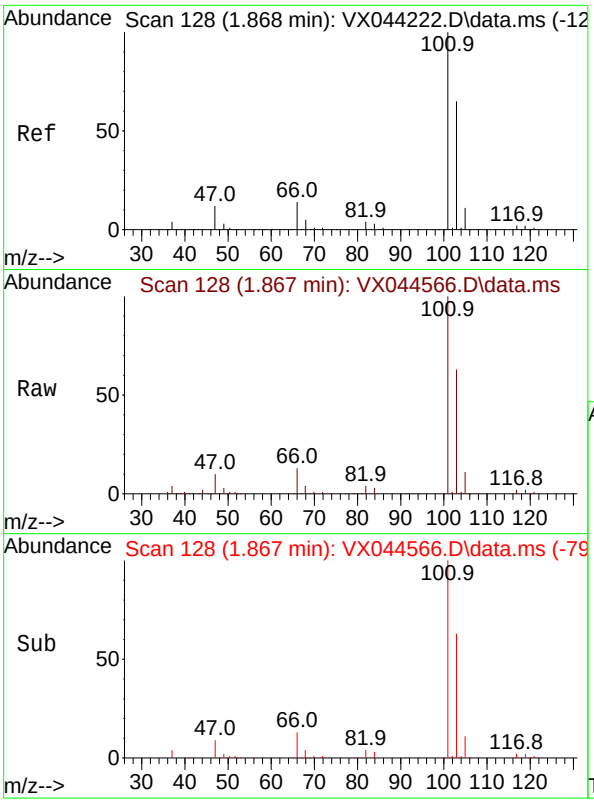



#6
Chloroethane
Concen: 42.857 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 64 Resp: 55460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.7 | 26.6 | 39.8 |






#7
Trichlorofluoromethane
Concen: 39.375 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:101 Resp: 16019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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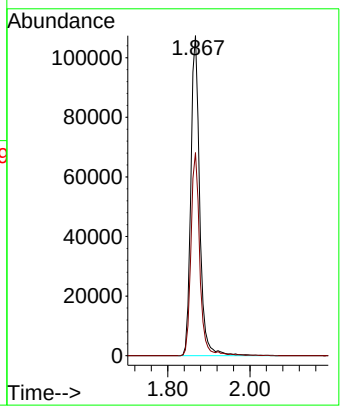
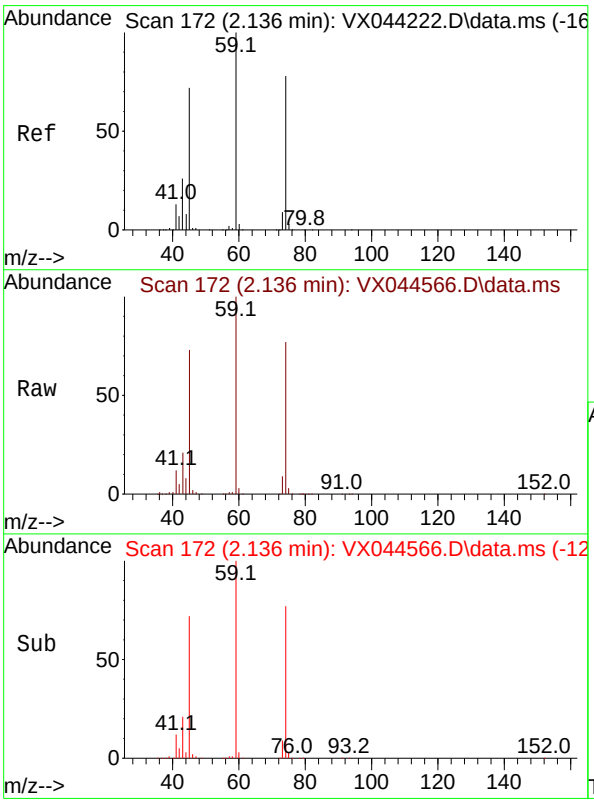
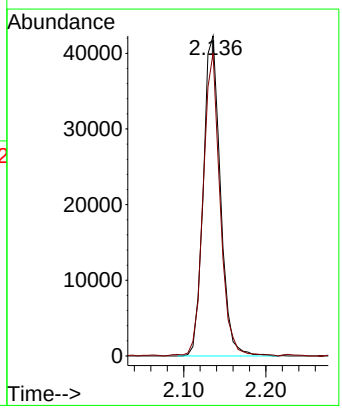


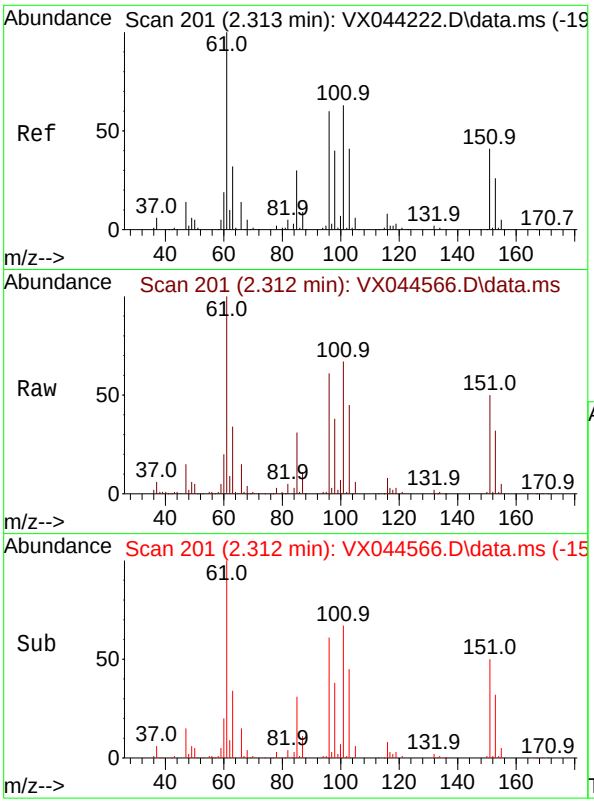




#8
Diethyl Ether
Concen: 43.886 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 74 Resp: 60946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 93.8 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.148 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:101 Resp: 7762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.8 | 38.5 | 57.7 |
| 151 | 76.4 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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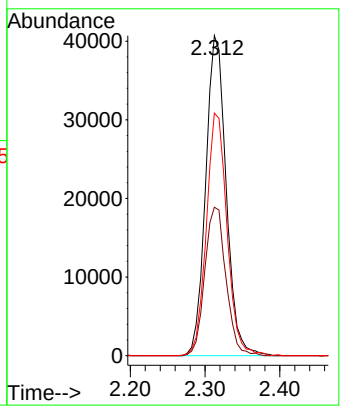
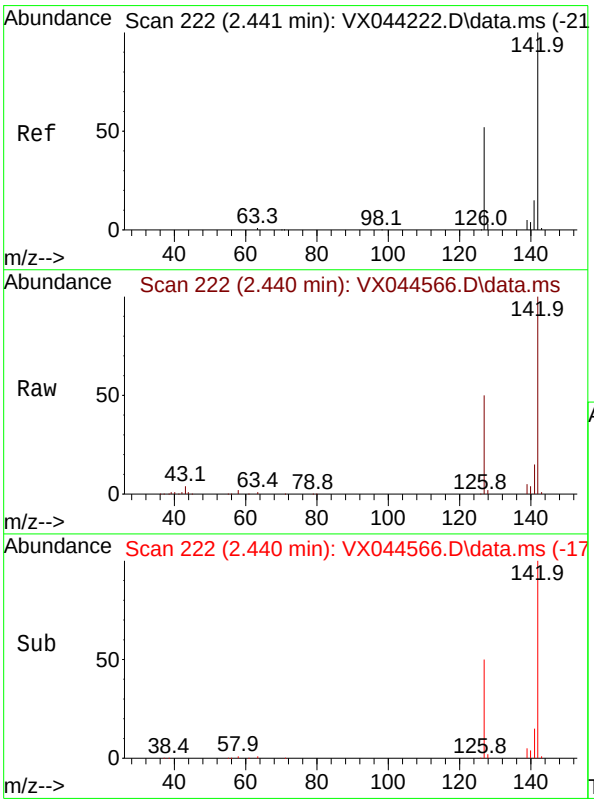
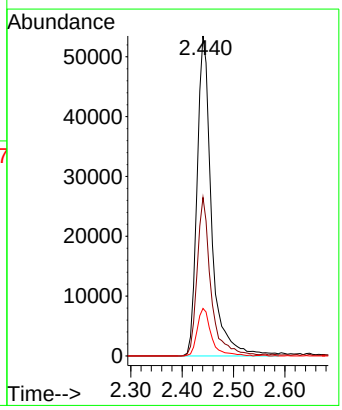


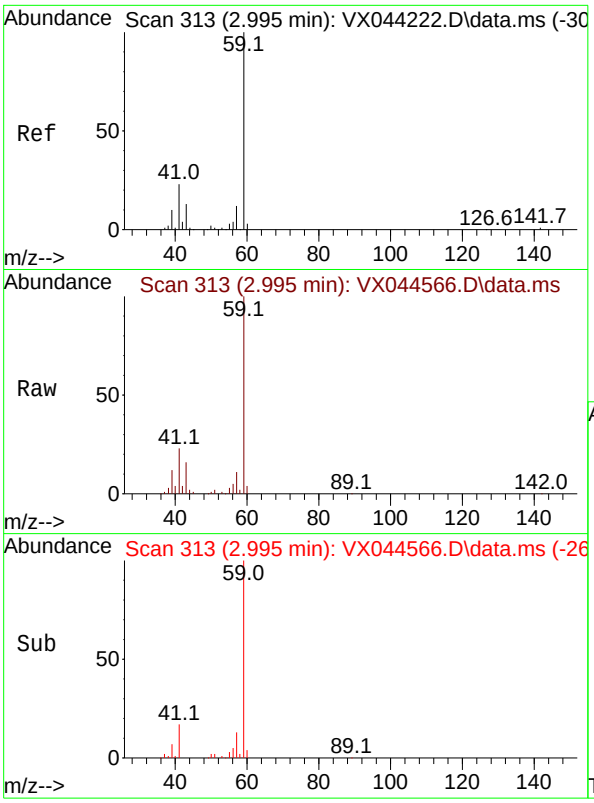




#10
Methyl Iodide
Concen: 48.249 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:142 Resp: 104691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.3 | 41.8 | 62.8 |
| 141 | 14.6 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 205.729 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 59 Resp: 6858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.1 | 8.8 | 13.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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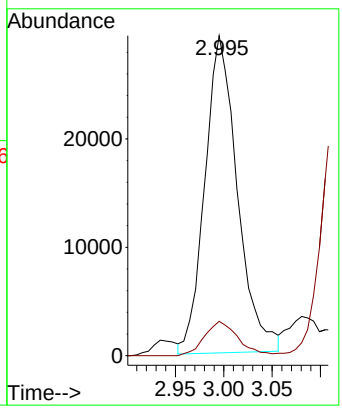
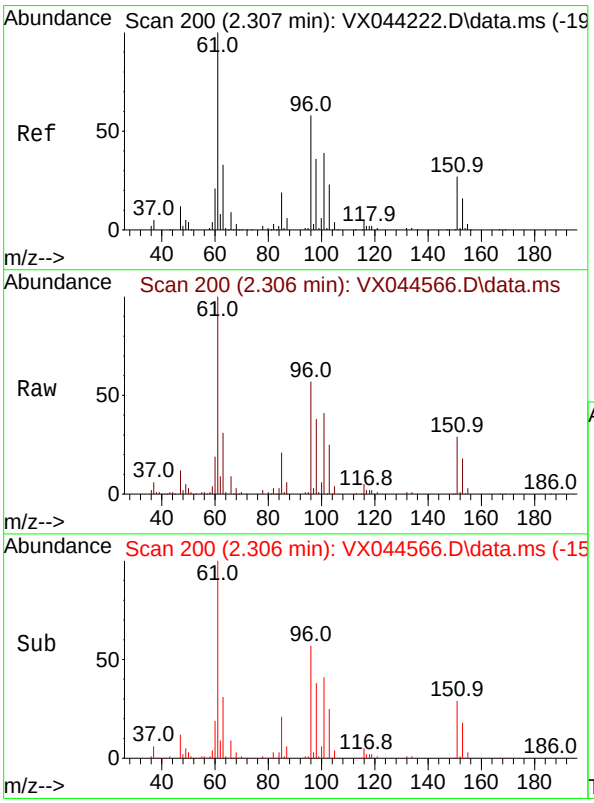
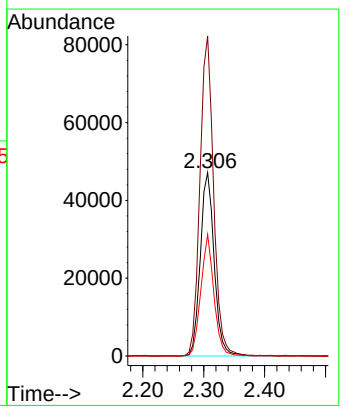


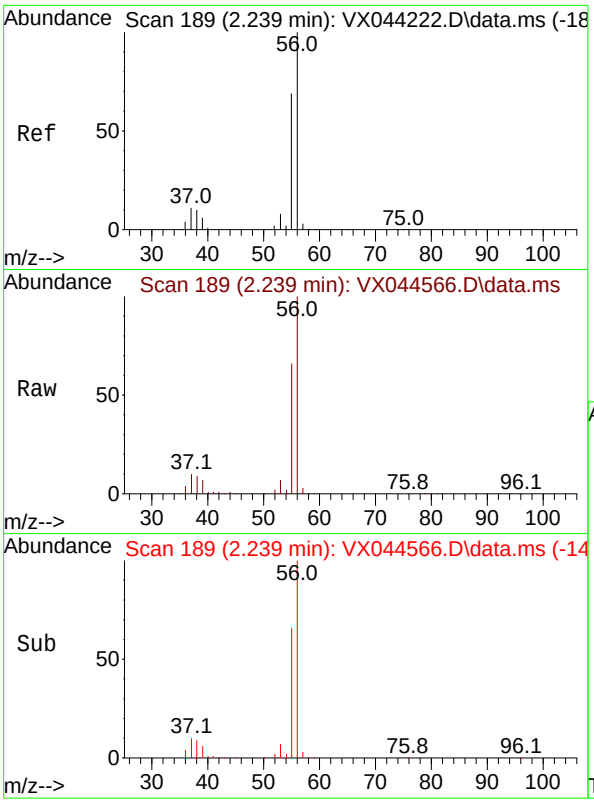




#12
1,1-Dichloroethene
Concen: 49.435 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 96 Resp: 74754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.6 | 138.0 | 207.0 |
| 98 | 66.3 | 50.0 | 75.0 |

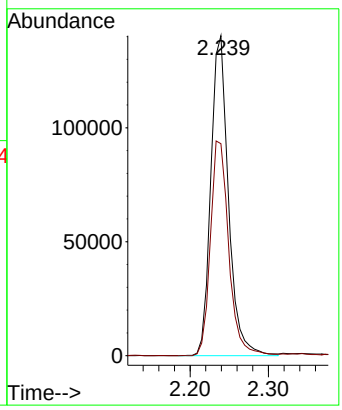





#13
Acrolein
Concen: 454.411 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 56 Resp: 21928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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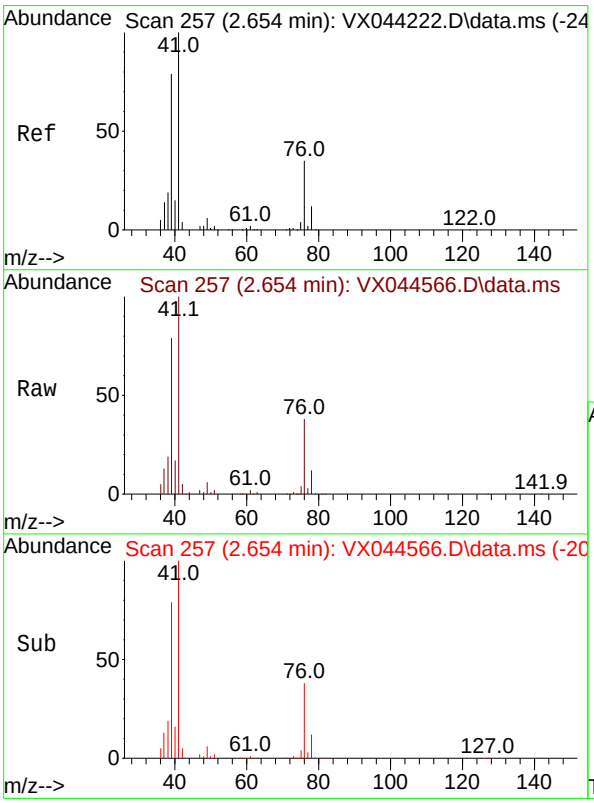
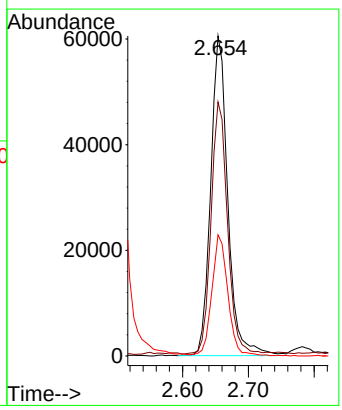
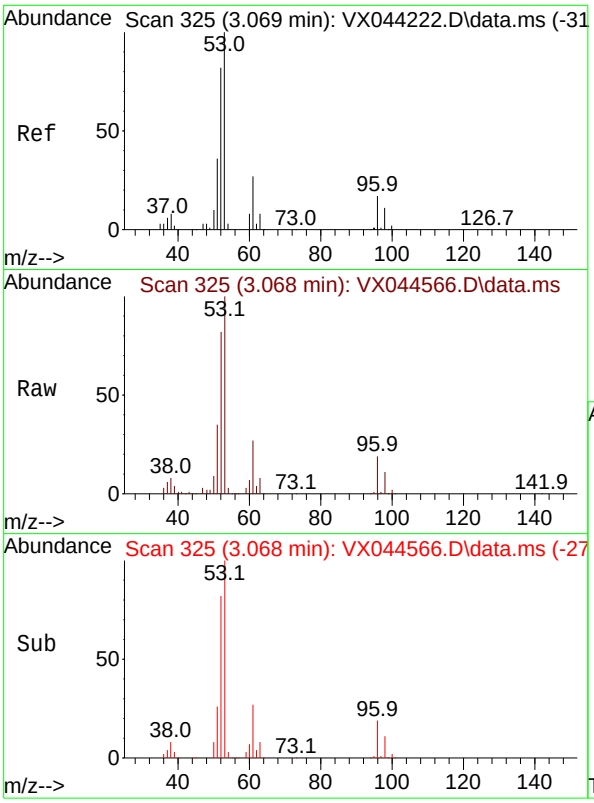



#14
Allyl chloride
Concen: 43.612 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 41 Resp: 109846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.8 | 61.9 | 92.9 |
| 76 | 35.0 | 27.4 | 41.2 |

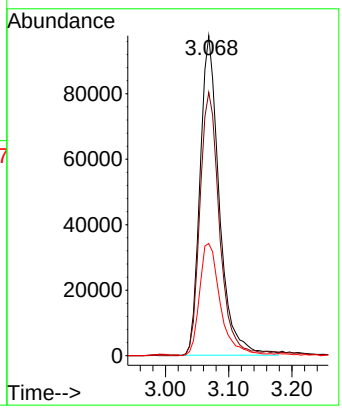





#15
Acrylonitrile
Concen: 223.794 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 53 Resp: 20666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 67.4 | 101.0 |
| 51 | 38.1 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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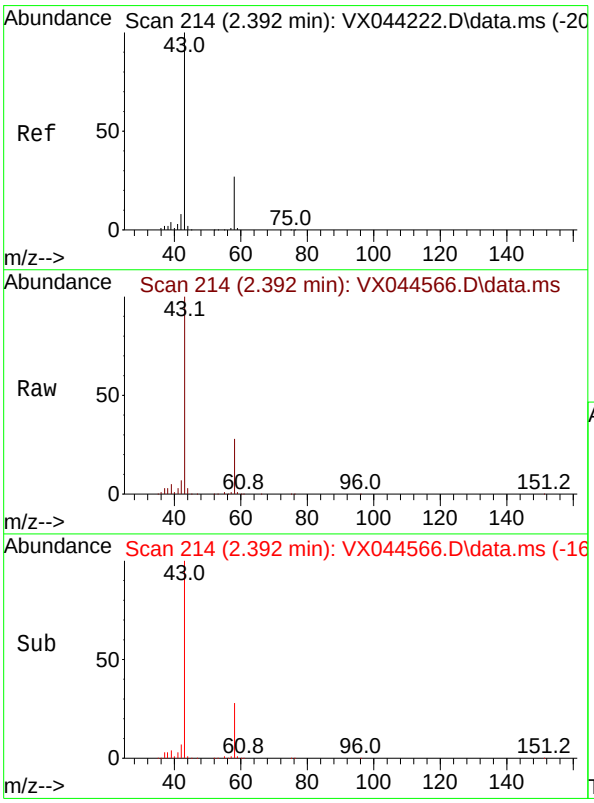
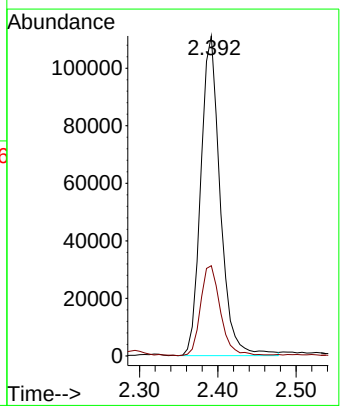
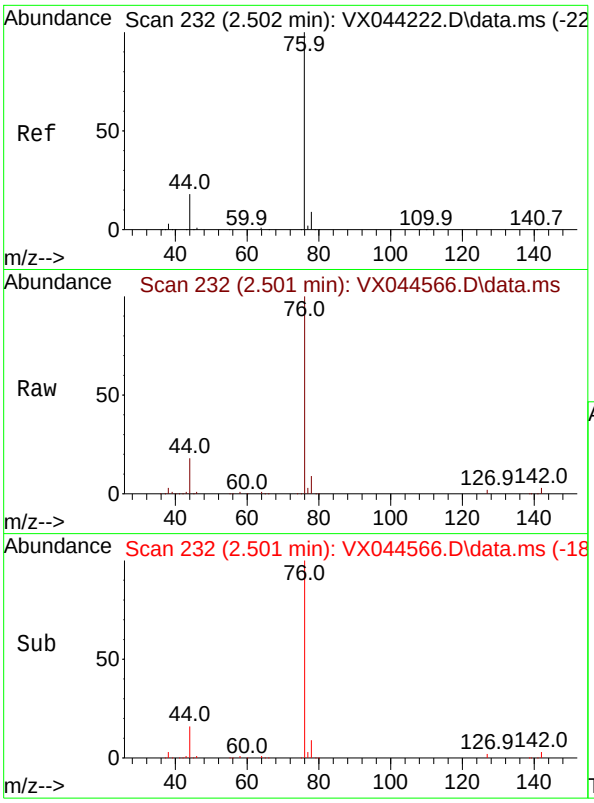



#16
Acetone
Concen: 198.438 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 191360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.1 | 21.6 | 32.4 |






#17
Carbon Disulfide
Concen: 43.956 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 76 Resp: 12634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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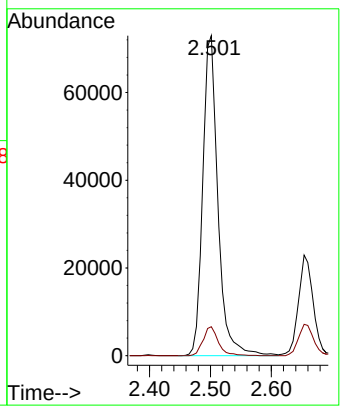
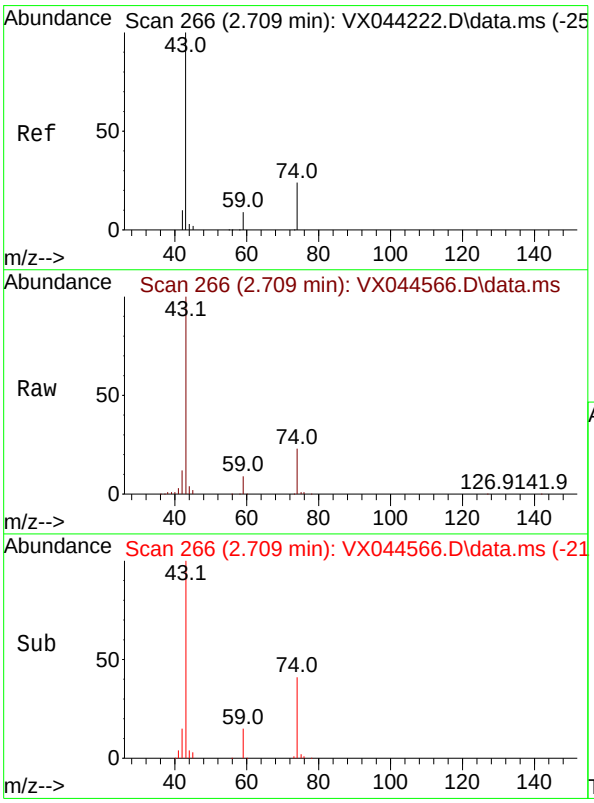
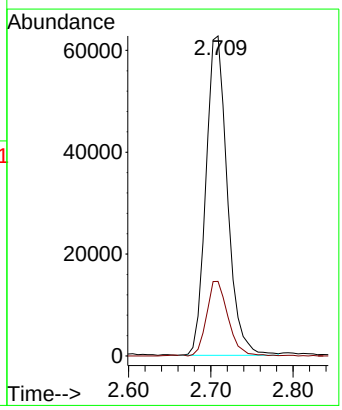


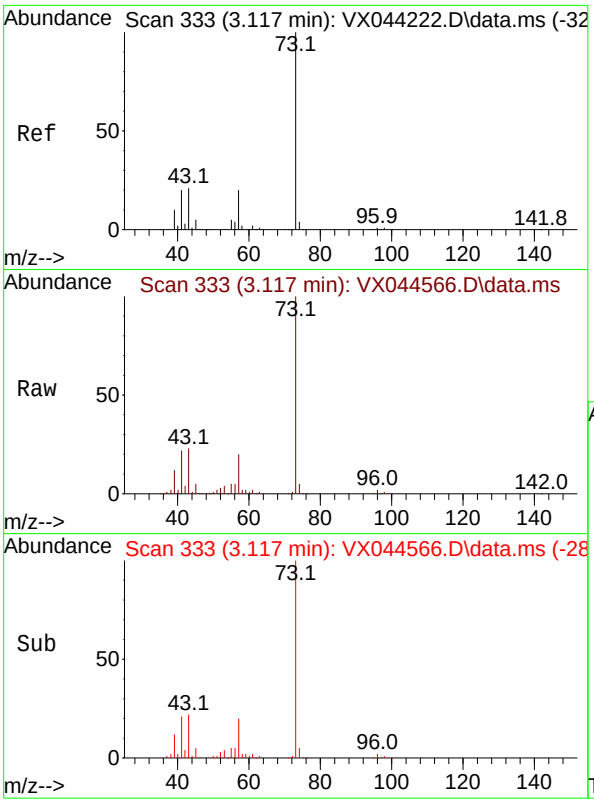




#18
Methyl Acetate
Concen: 45.622 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 113435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 17.7 | 26.5 |

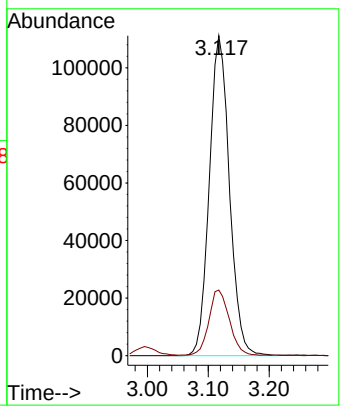





#19
Methyl tert-butyl Ether
Concen: 43.259 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 73 Resp: 25527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.4 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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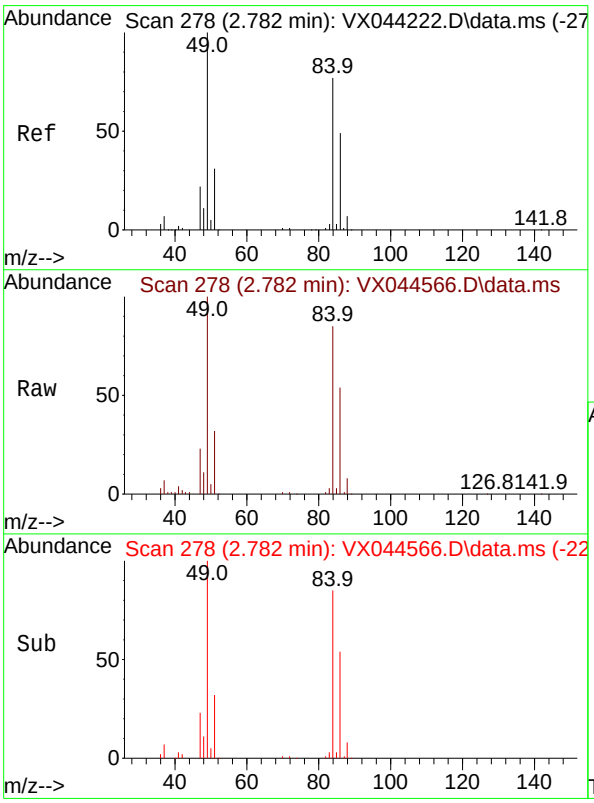
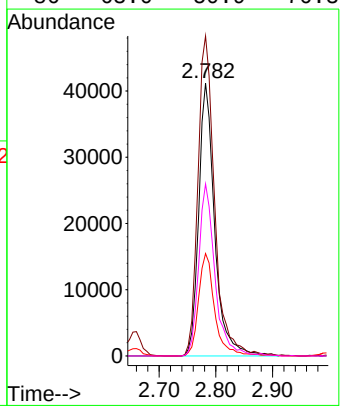
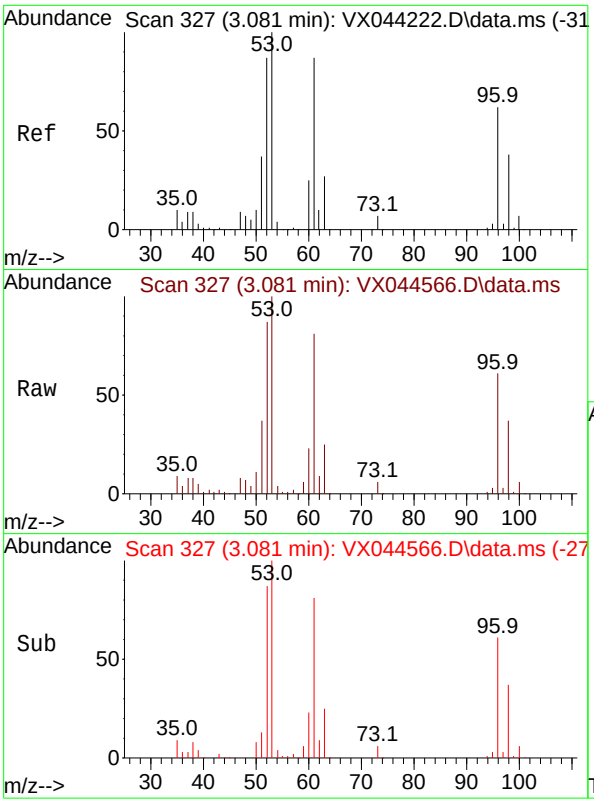



#20
Methylene Chloride
Concen: 44.561 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 84 Resp: 80711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.3 | 104.2 | 156.4 |
| 51 | 37.6 | 32.2 | 48.4 |
| 86 | 63.0 | 50.9 | 76.3 |

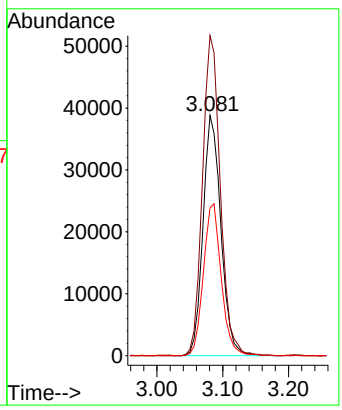





#21
trans-1,2-Dichloroethene
Concen: 45.785 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 96 Resp: 7358

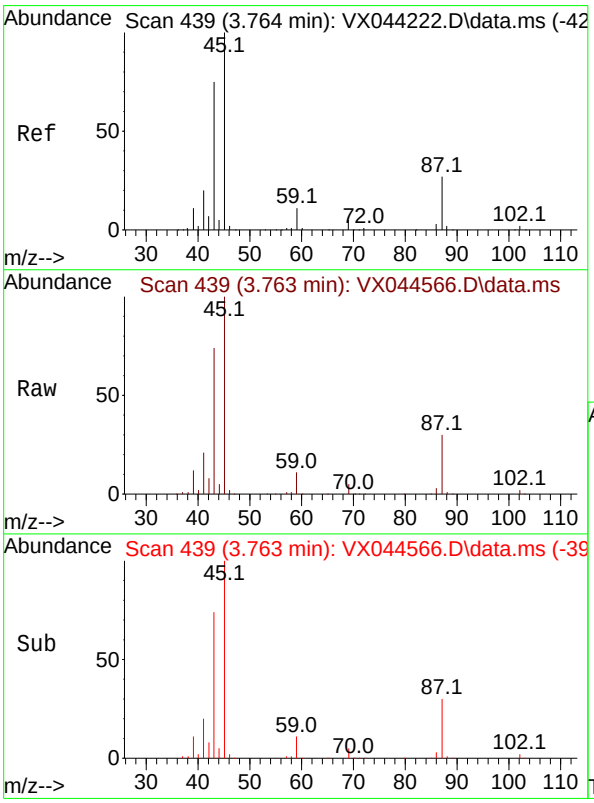
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.2 | 112.0 | 168.0 |
| 98 | 61.6 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

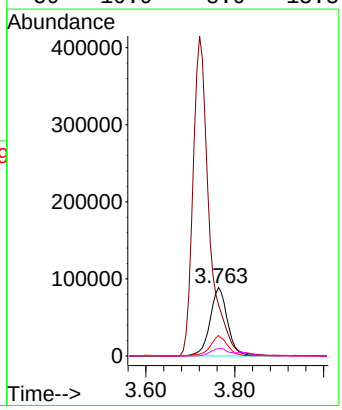
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

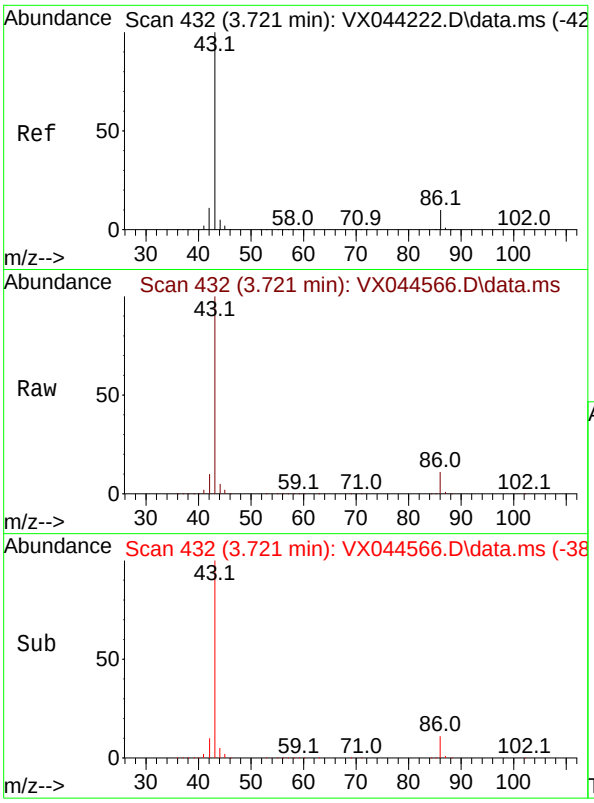



#22
Diisopropyl ether
Concen: 42.621 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 45 Resp: 241729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 74.2 | 60.2 | 90.2 |
| 87 | 29.9 | 21.2 | 31.8 |
| 59 | 10.9 | 8.9 | 13.3 |

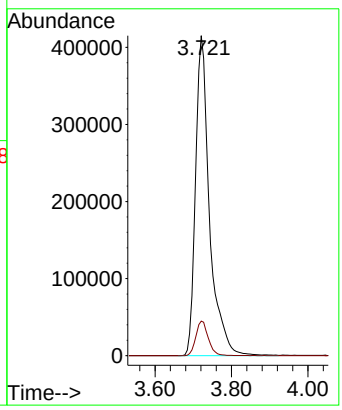





#23
Vinyl Acetate
Concen: 228.196 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 105222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :Semsettin Yesilyurt 12/31/2024
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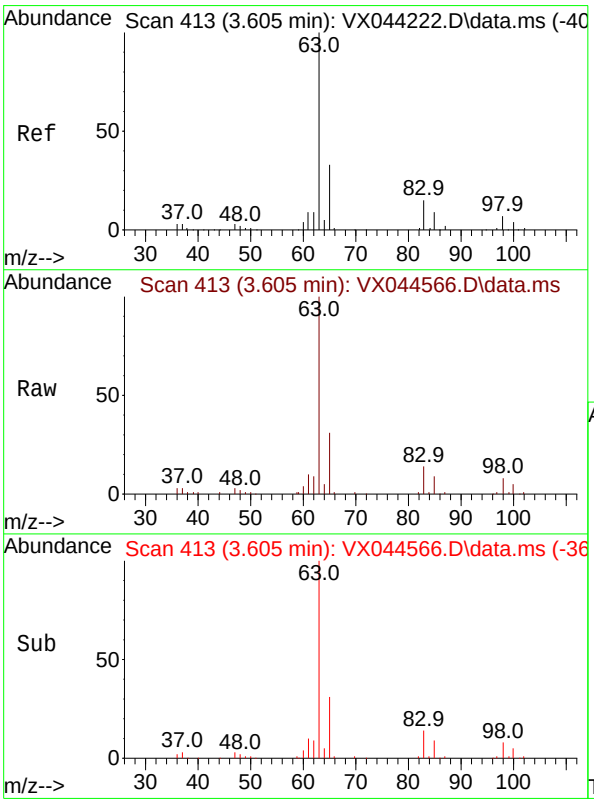
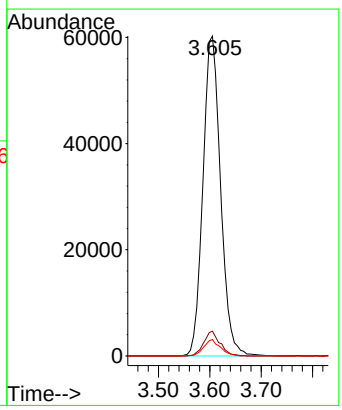
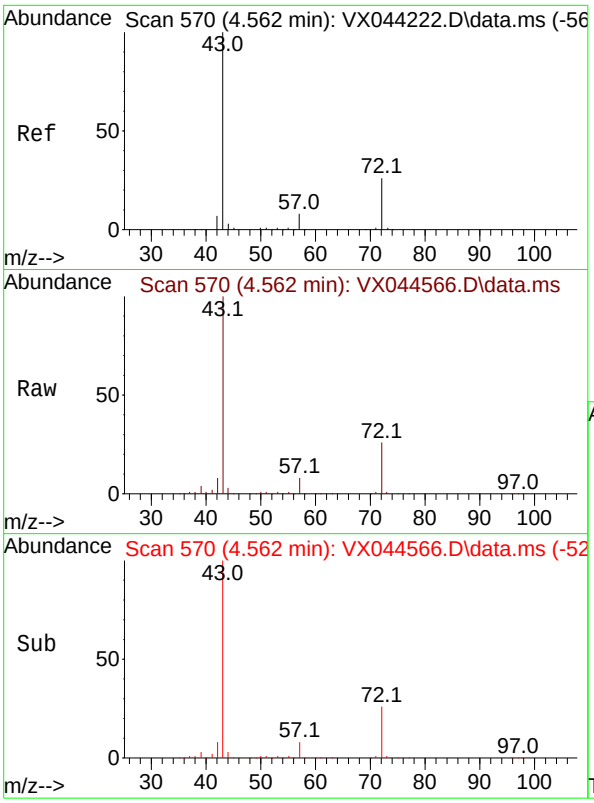



#24
1,1-Dichloroethane
Concen: 45.434 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 63 Resp: 143640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.7 | 3.6 | 10.8 |
| 100 | 5.2 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 214.237 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 29370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.8 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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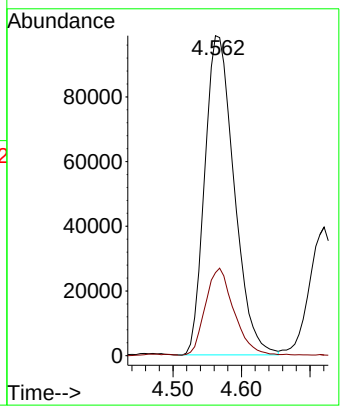
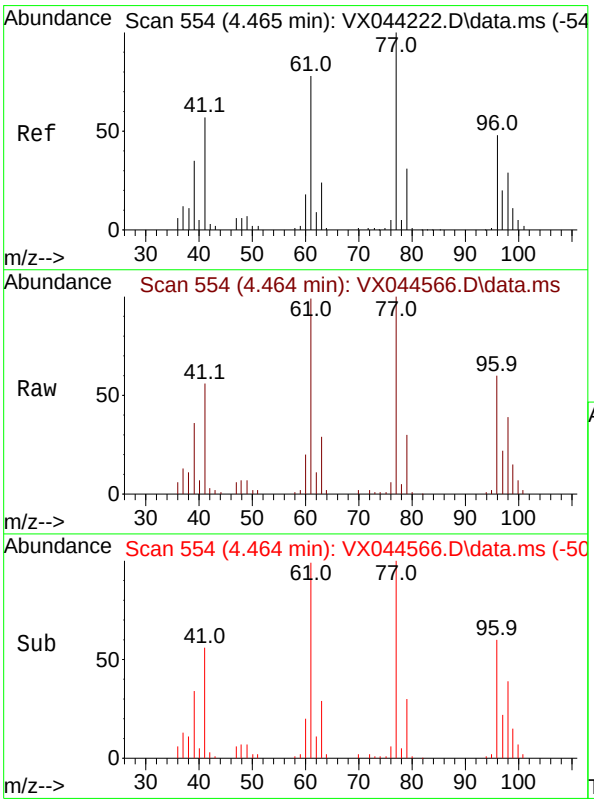
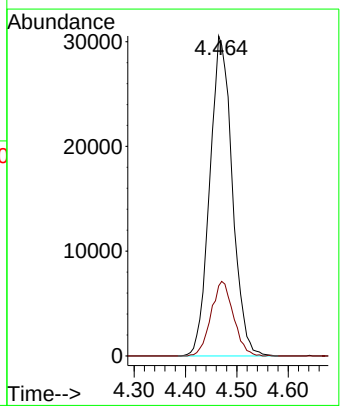


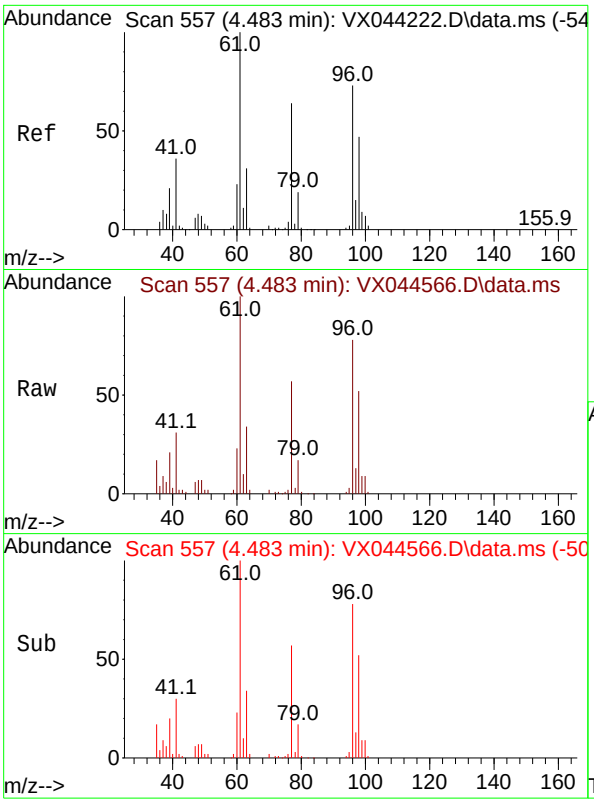




#26
2,2-Dichloropropane
Concen: 36.132 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 77 Resp: 92800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.3 | 10.7 | 32.1 |






#27
cis-1,2-Dichloroethene
Concen: 45.097 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 96 Resp: 9204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.8 | 0.0 | 299.0 |
| 98 | 65.9 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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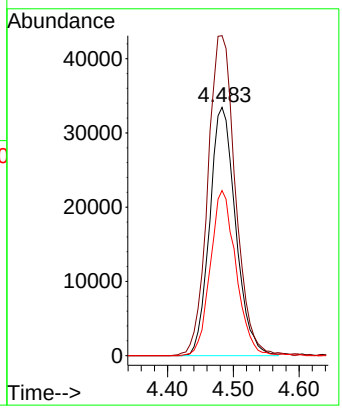
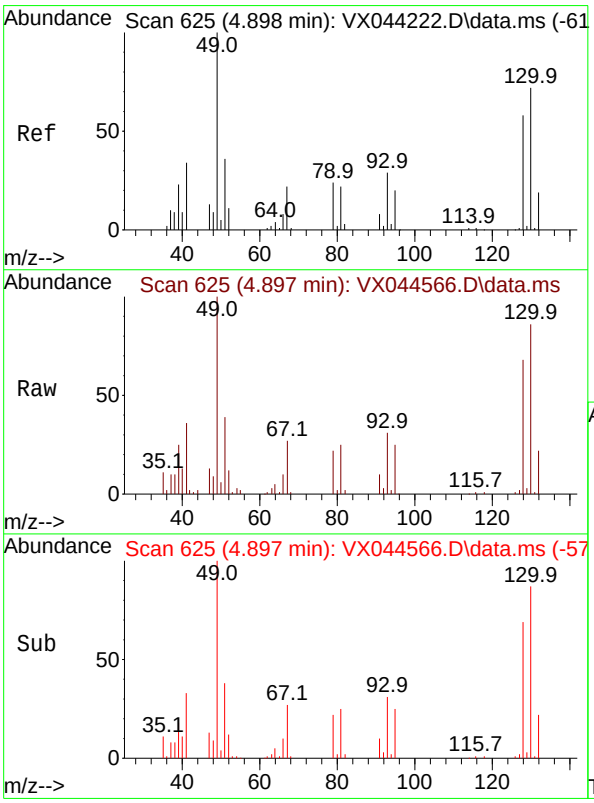
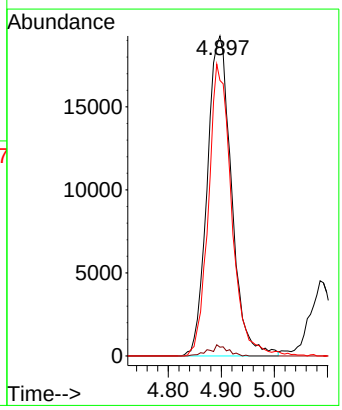


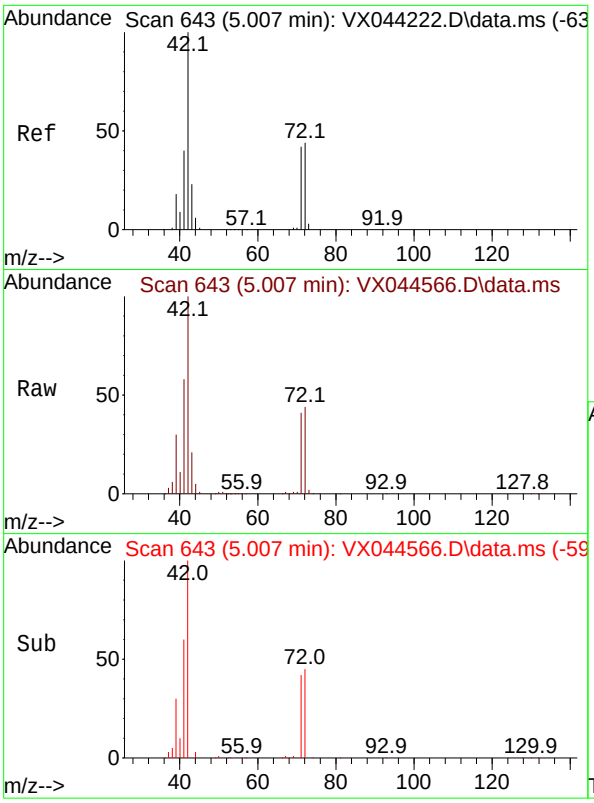




#28
Bromochloromethane
Concen: 39.585 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 49 Resp: 61368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.6 | 0.0 | 4.2 |
| 130 | 86.1 | 62.1 | 93.1 |






#29
Tetrahydrofuran
Concen: 212.969 ug/l
RT: 5.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 42 Resp: 18740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 47.4 | 37.0 | 55.6 |
| 71 | 43.8 | 33.6 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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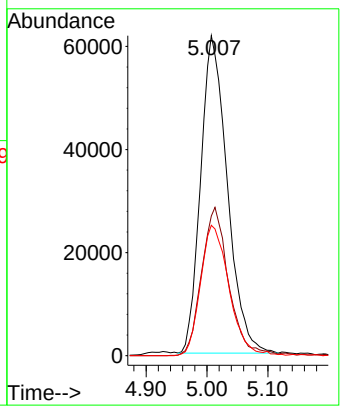
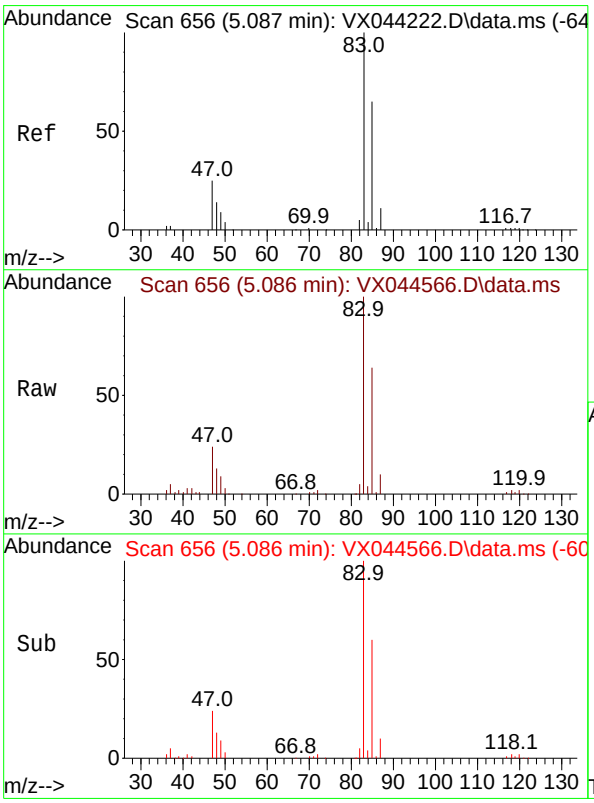
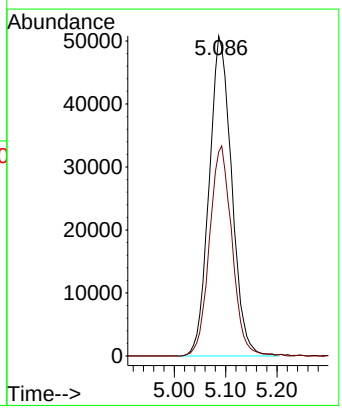


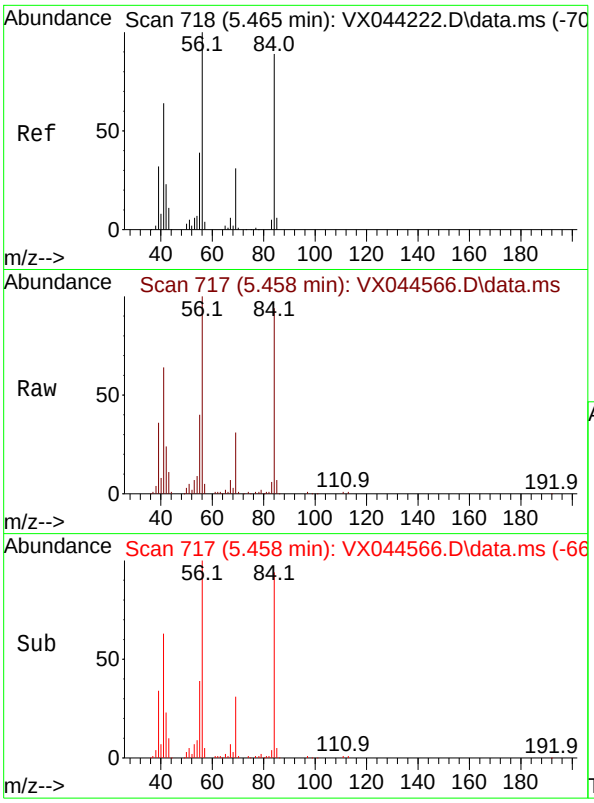




#30
Chloroform
Concen: 43.510 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 83 Resp: 154551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.7 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 41.915 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 56 Resp: 10700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 24.7 | 37.1 |
| 84 | 91.1 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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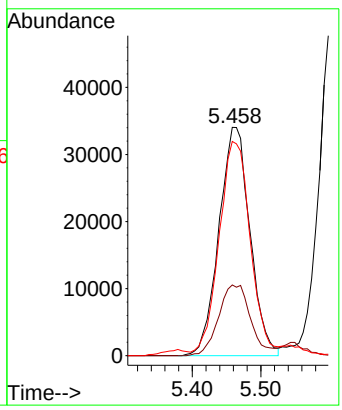
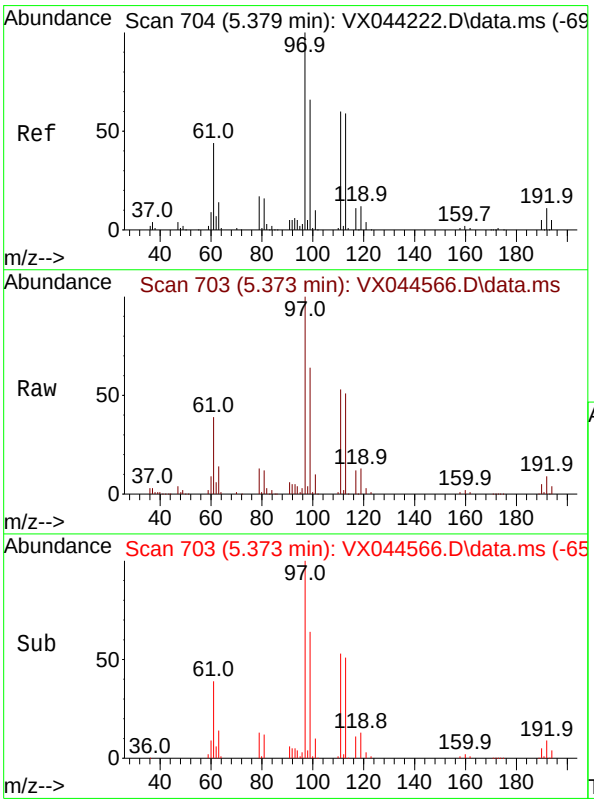
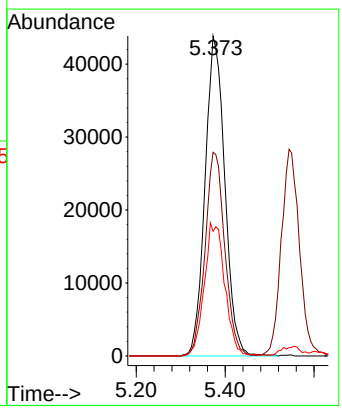


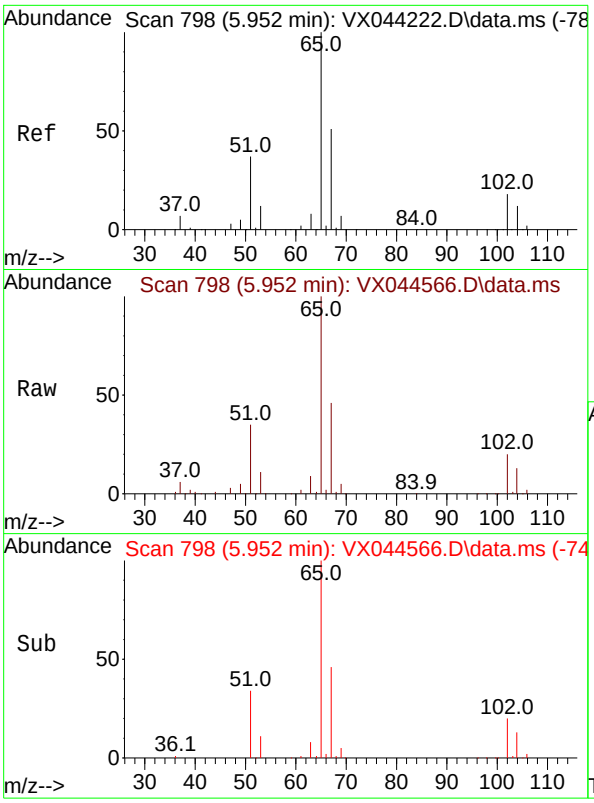




#32
1,1,1-Trichloroethane
Concen: 46.002 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 97 Resp: 135637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 50.8 | 76.2 |
| 61 | 43.3 | 35.2 | 52.8 |






#33
1,2-Dichloroethane-d4
Concen: 41.150 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 65 Resp: 9733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.0 | 0.0 | 101.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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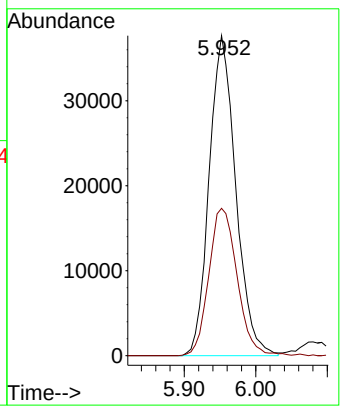
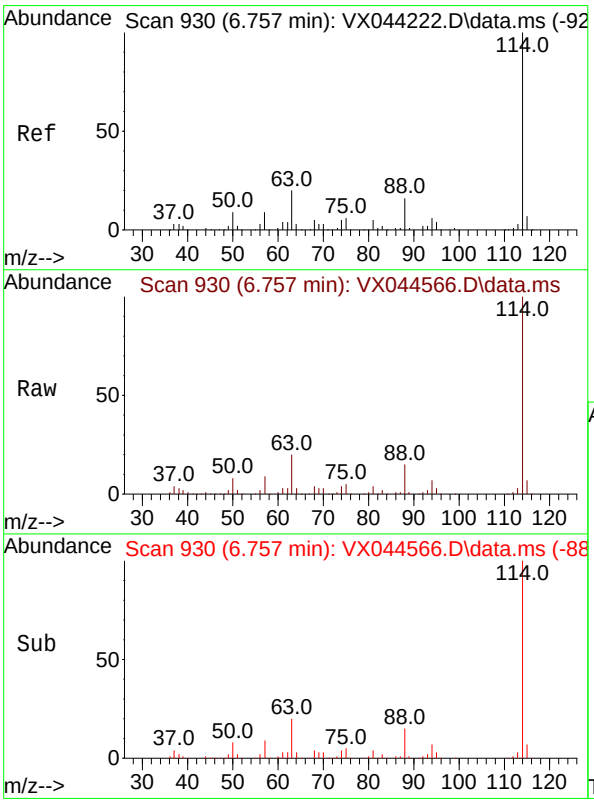
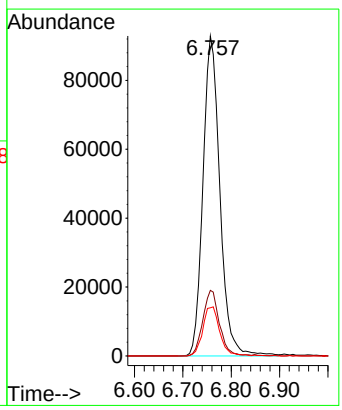


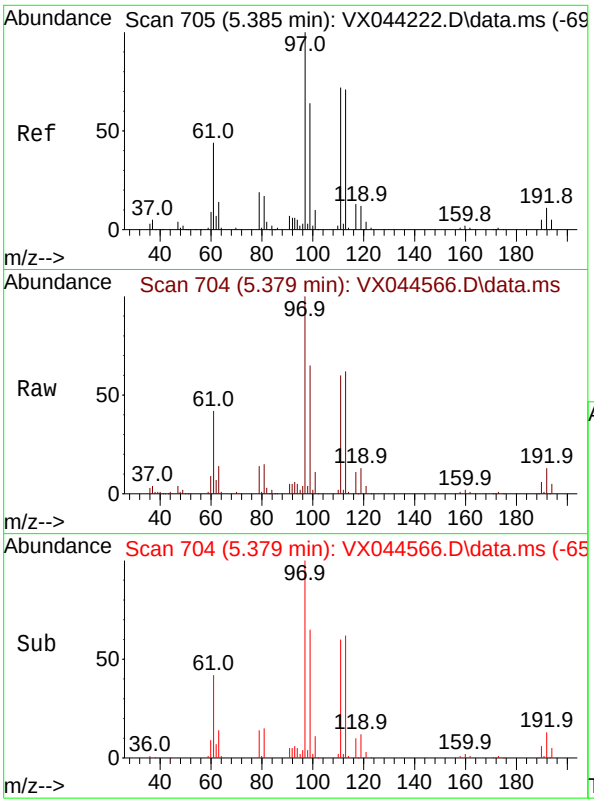




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:114 Resp: 225955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 40.6 |
| 88 | 15.0 | 0.0 | 31.8 |

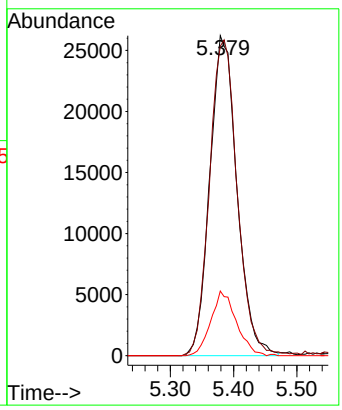





#35
Dibromofluoromethane
Concen: 49.905 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:113 Resp: 7809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 80.4 | 120.6 |
| 192 | 18.9 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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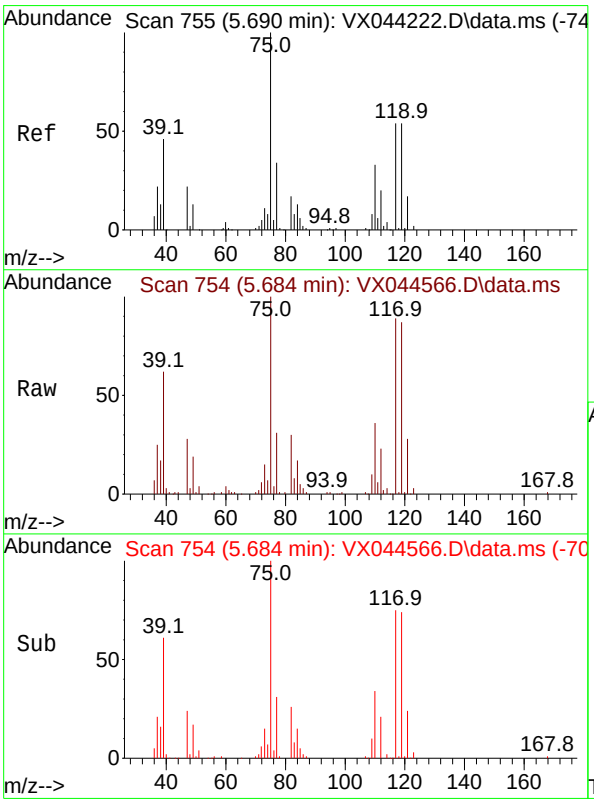
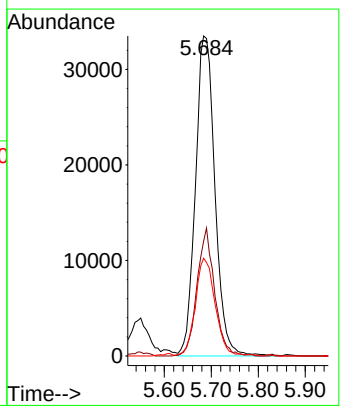
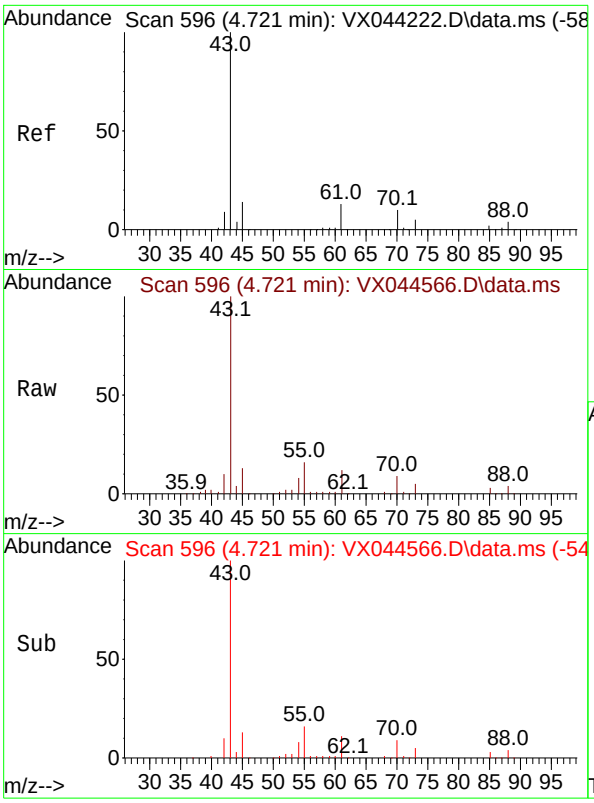



#36
1,1-Dichloropropene
Concen: 47.753 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 96599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.1 | 17.3 | 51.7 |
| 77 | 31.1 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 46.024 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 11508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 9.8 | 14.8 |
| 70 | 10.0 | 7.7 | 11.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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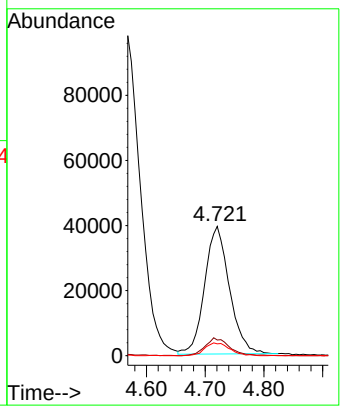
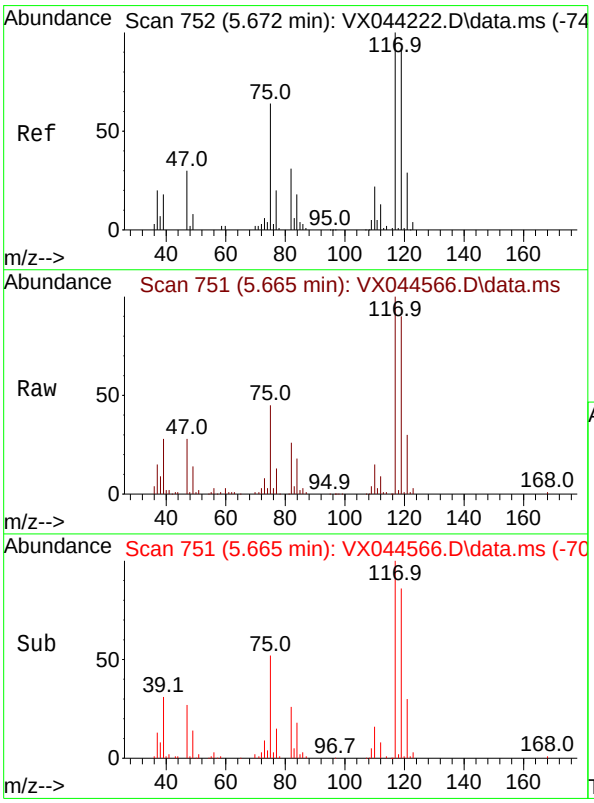
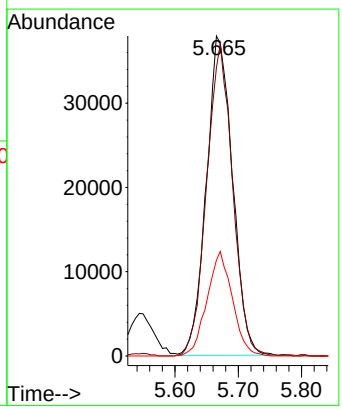


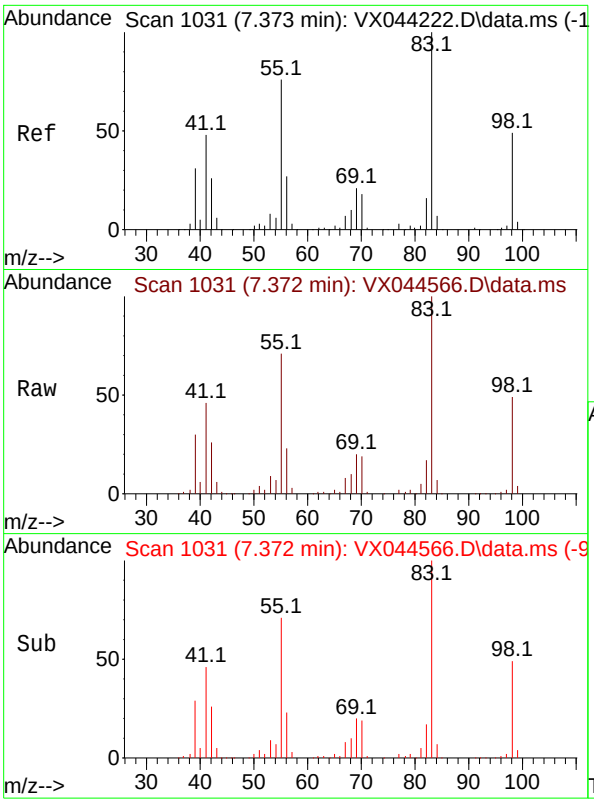




#38
Carbon Tetrachloride
Concen: 50.199 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 109326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.1 | 74.2 | 111.4 |
| 121 | 30.0 | 23.0 | 34.6 |

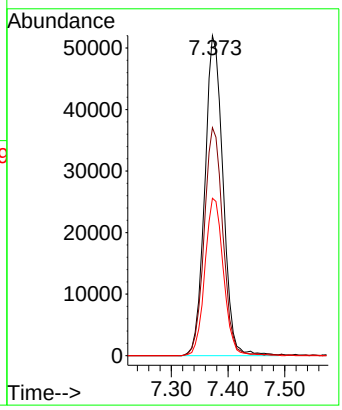





#39
Methylcyclohexane
Concen: 47.948 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 83 Resp: 11595

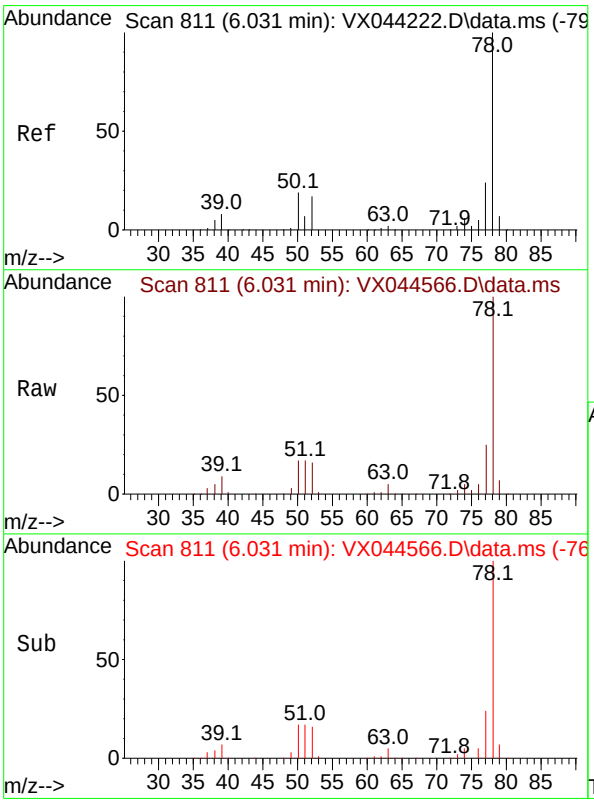
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.3 | 60.7 | 91.1 |
| 98 | 49.2 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

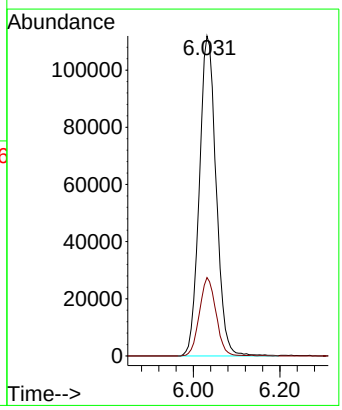
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

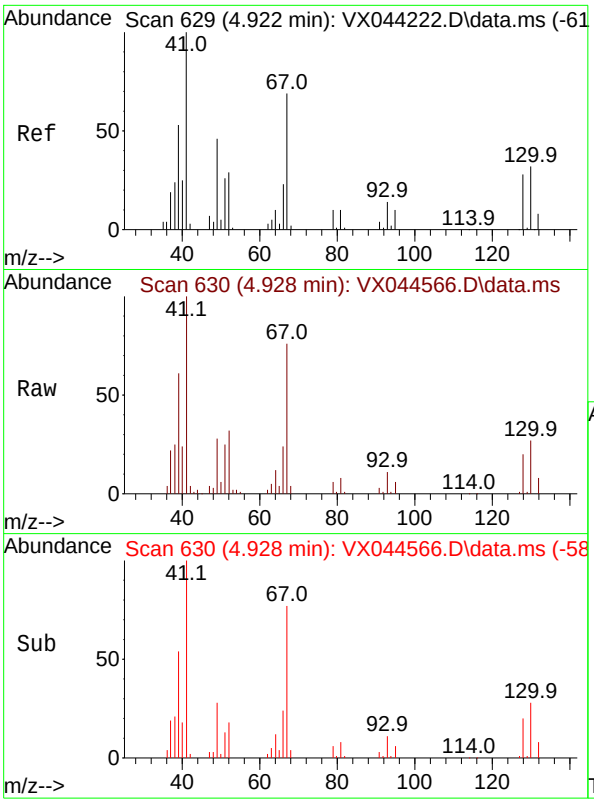



#40
Benzene
Concen: 49.074 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 78 Resp: 301408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 19.3 | 28.9 |

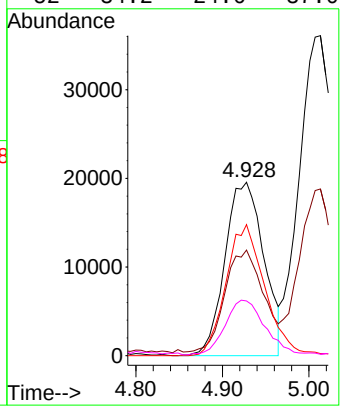





#41
Methacrylonitrile
Concen: 46.035 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 41 Resp: 6112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.9 | 44.2 | 66.4 |
| 67 | 76.4 | 57.2 | 85.8 |
| 52 | 34.2 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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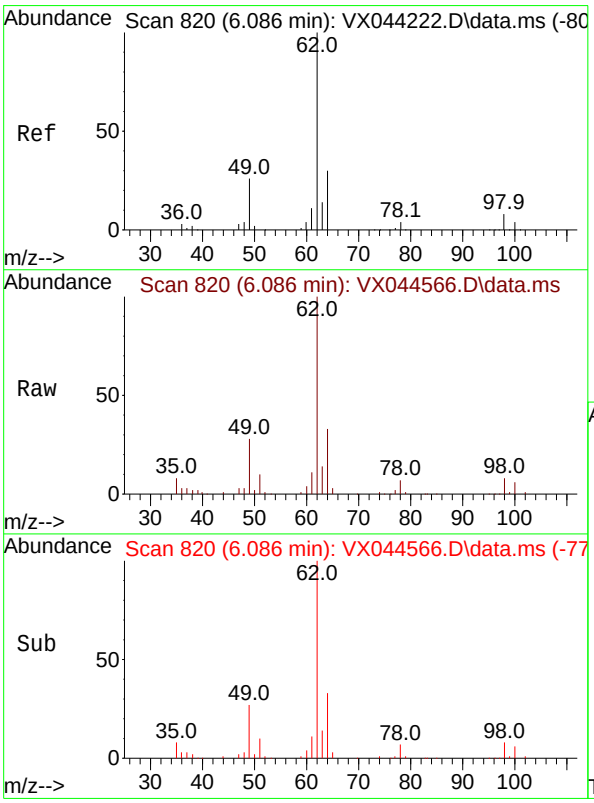
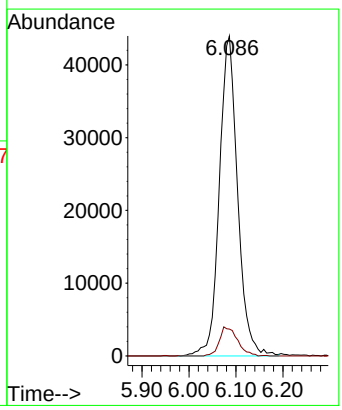
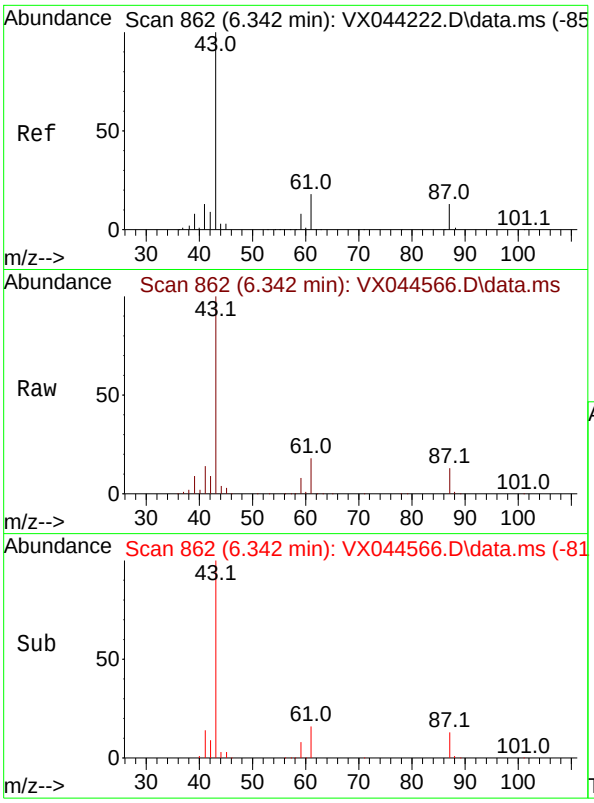



#42
1,2-Dichloroethane
Concen: 46.987 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 62 Resp: 118878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 15.8 |






#43
Isopropyl Acetate
Concen: 47.508 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 18567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.2 | 21.2 |
| 87 | 13.9 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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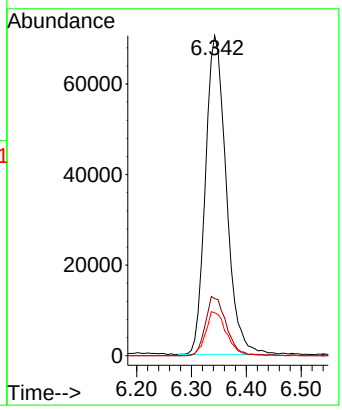
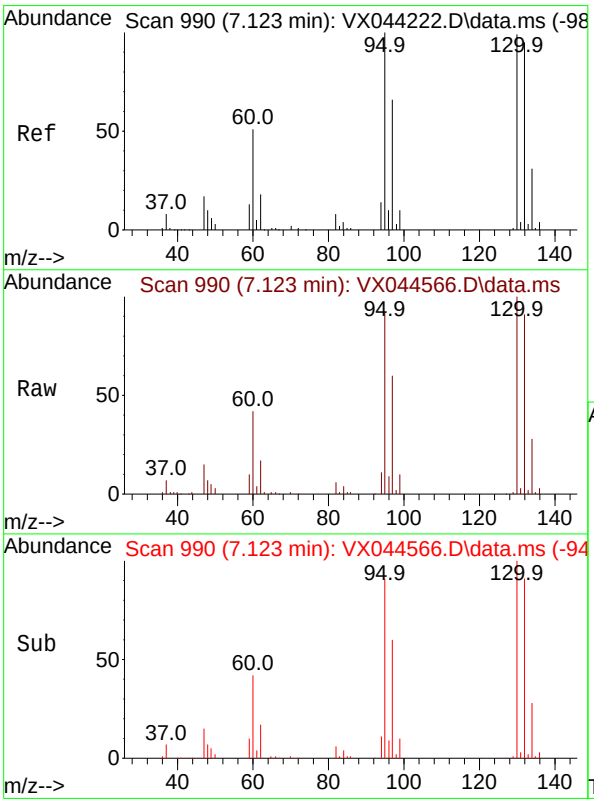
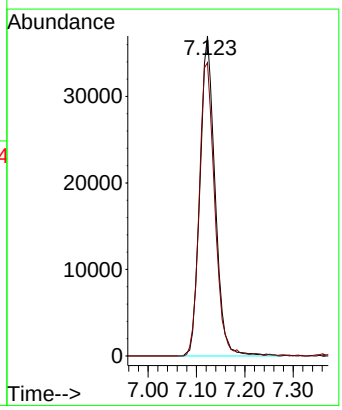


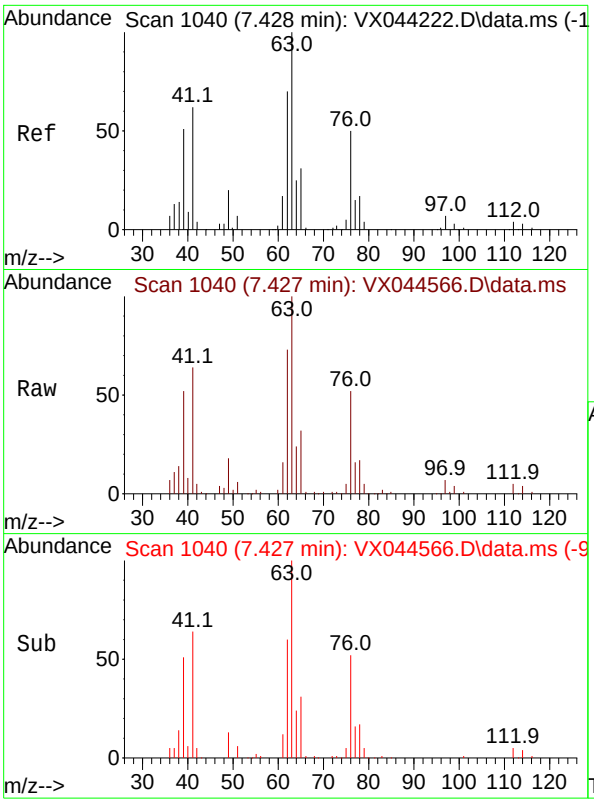




#44
Trichloroethene
Concen: 52.249 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:130 Resp: 80026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 91.7 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 47.708 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 63 Resp: 7486(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.4 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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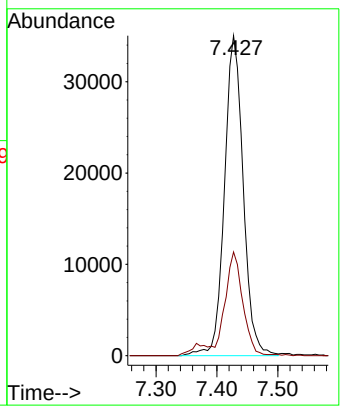
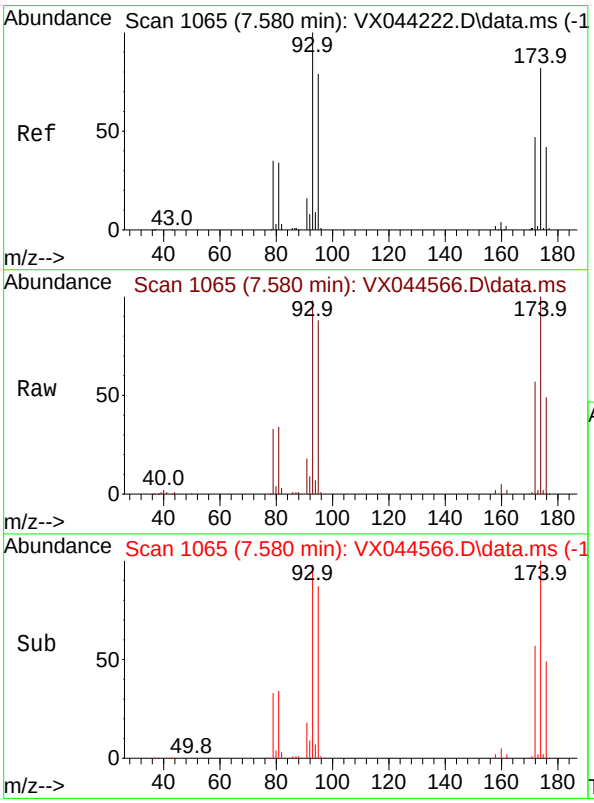
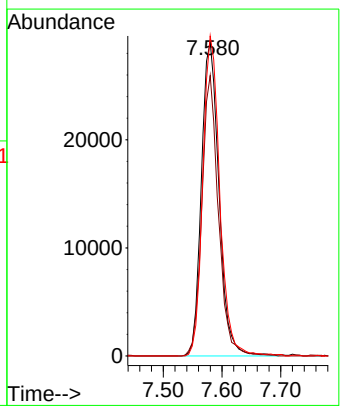


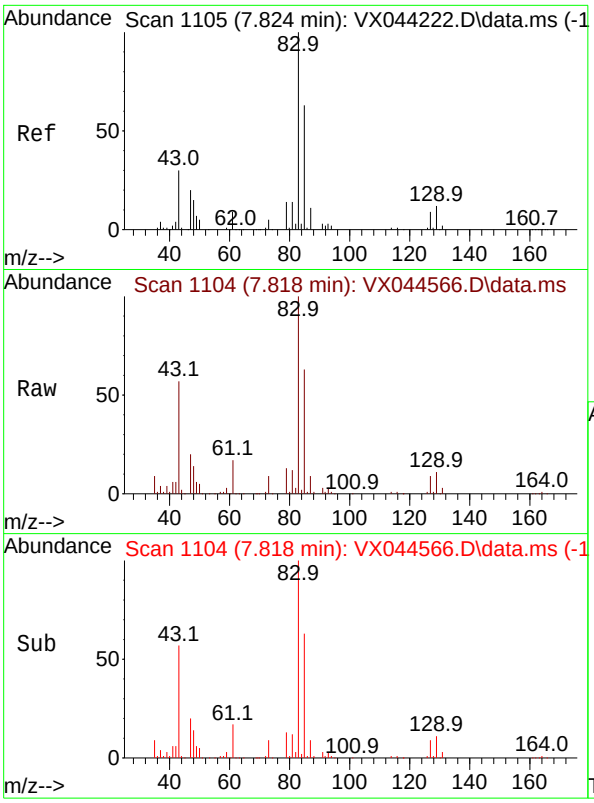




#46
Dibromomethane
Concen: 49.490 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 93 Resp: 60246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 65.4 | 98.2 |
| 174 | 99.3 | 67.9 | 101.9 |

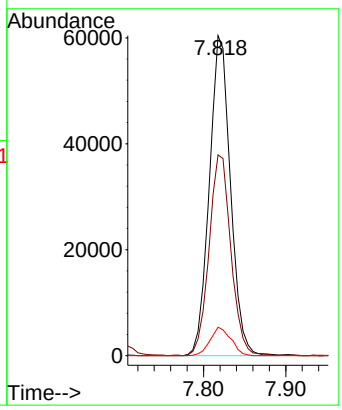





#47
Bromodichloromethane
Concen: 51.396 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 83 Resp: 10805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 50.6 | 75.8 |
| 127 | 8.9 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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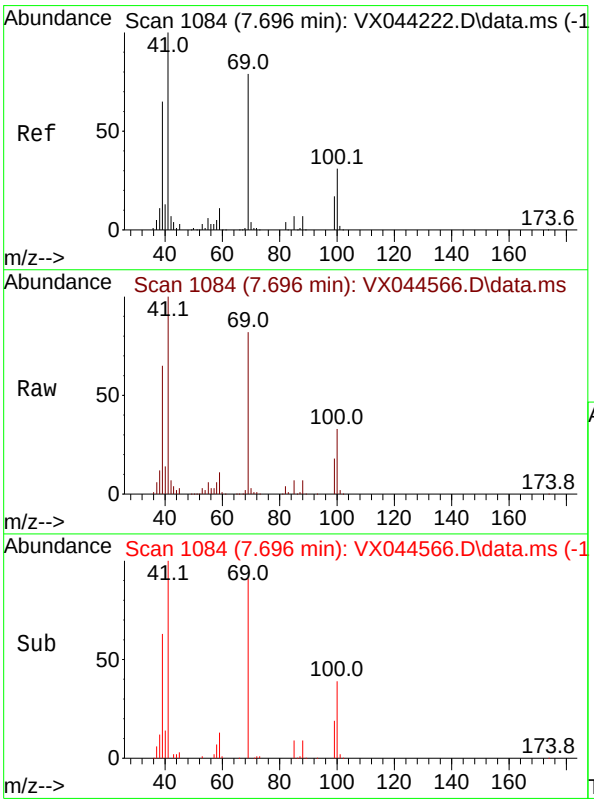
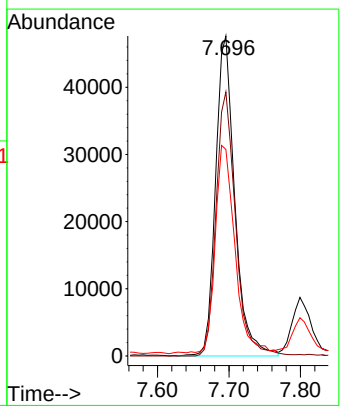
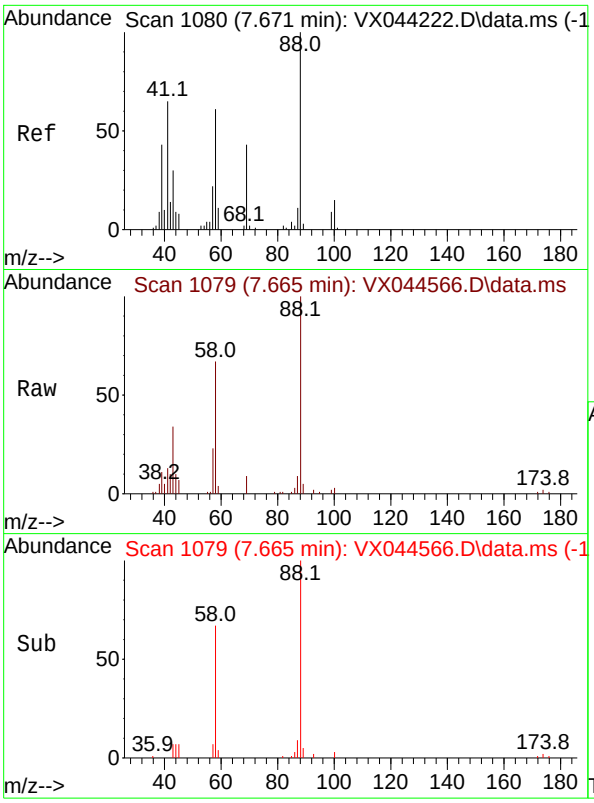



#48
Methyl methacrylate
Concen: 46.878 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 41 Resp: 88938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.9 | 62.4 | 93.6 |
| 39 | 65.9 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 913.462 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 88 Resp: 2873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.4 | 27.1 | 40.7 |
| 58 | 80.2 | 41.0 | 61.4# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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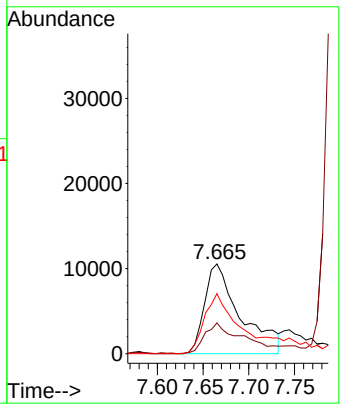
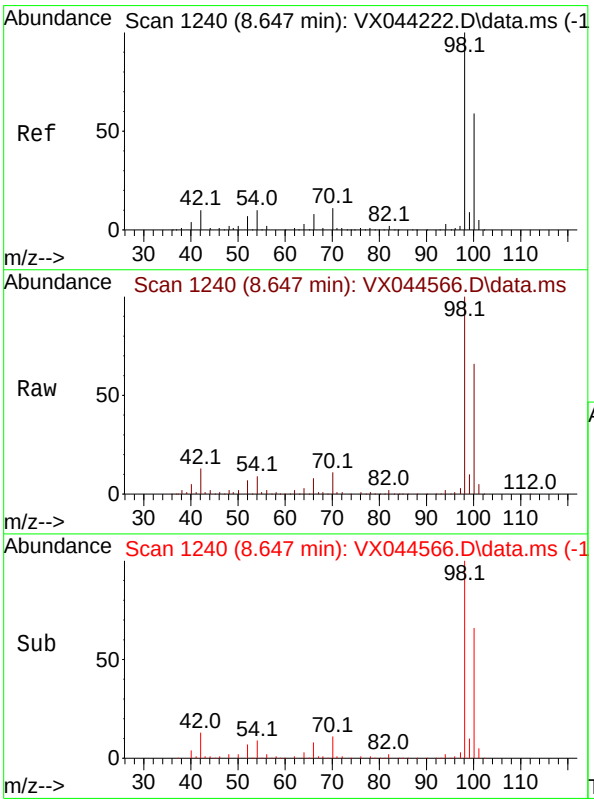
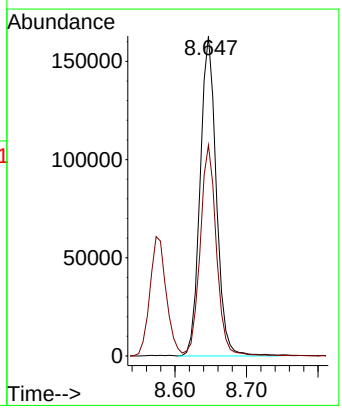


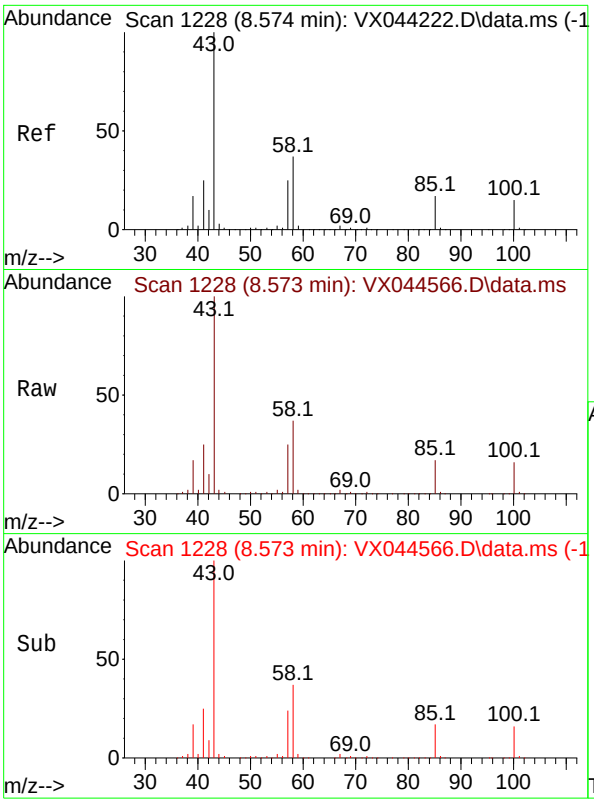




#50
Toluene-d8
Concen: 48.474 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 98 Resp: 255928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 51.5 | 77.3 |

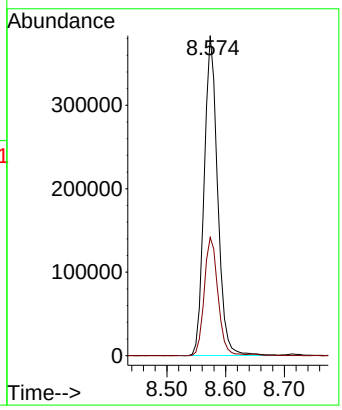





#51
4-Methyl-2-Pentanone
Concen: 242.270 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 60881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.6 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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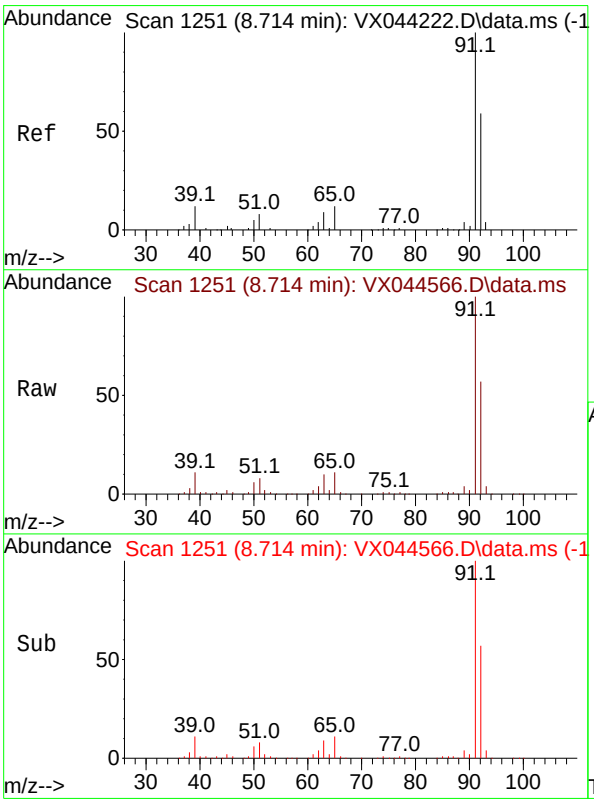
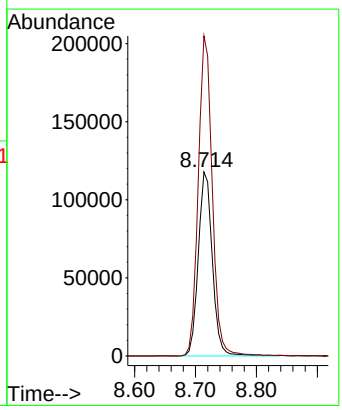
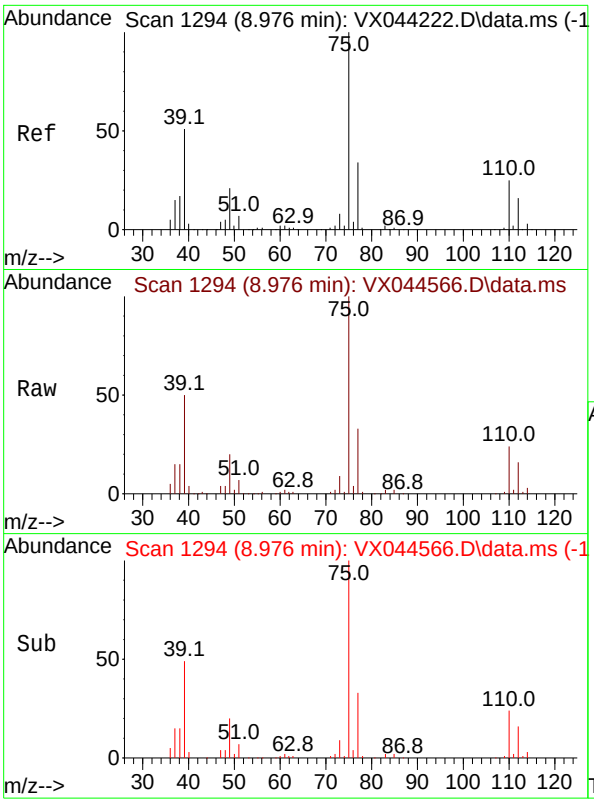



#52
Toluene
Concen: 48.888 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 92 Resp: 188560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.7 | 137.0 | 205.6 |






#53
t-1,3-Dichloropropene
Concen: 46.134 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 10352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 27.2 | 40.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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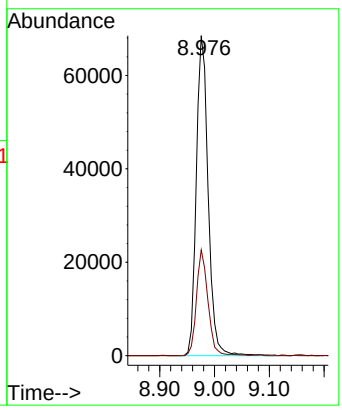
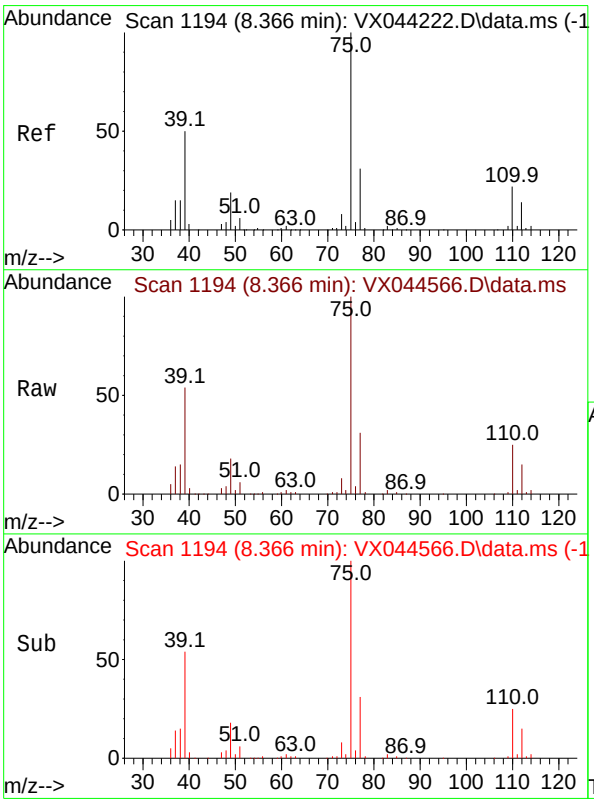
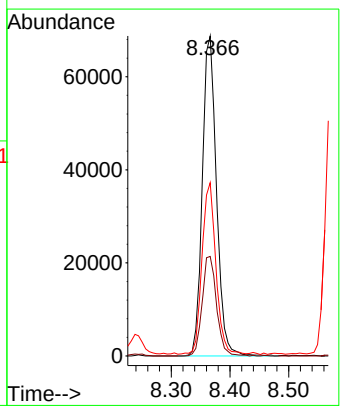


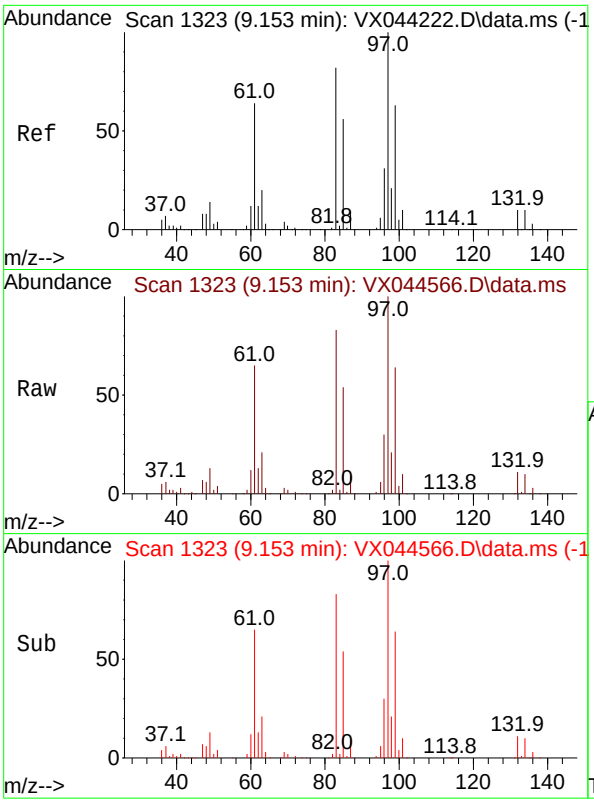




#54
cis-1,3-Dichloropropene
Concen: 50.320 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 115192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 24.7 | 37.1 |
| 39 | 53.6 | 40.3 | 60.5 |

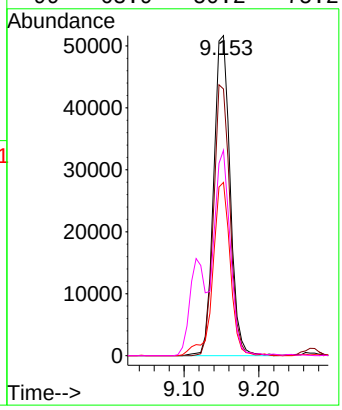





#55
1,1,2-Trichloroethane
Concen: 51.778 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 97 Resp: 7933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.4 | 65.3 | 97.9 |
| 85 | 54.2 | 44.6 | 67.0 |
| 99 | 63.9 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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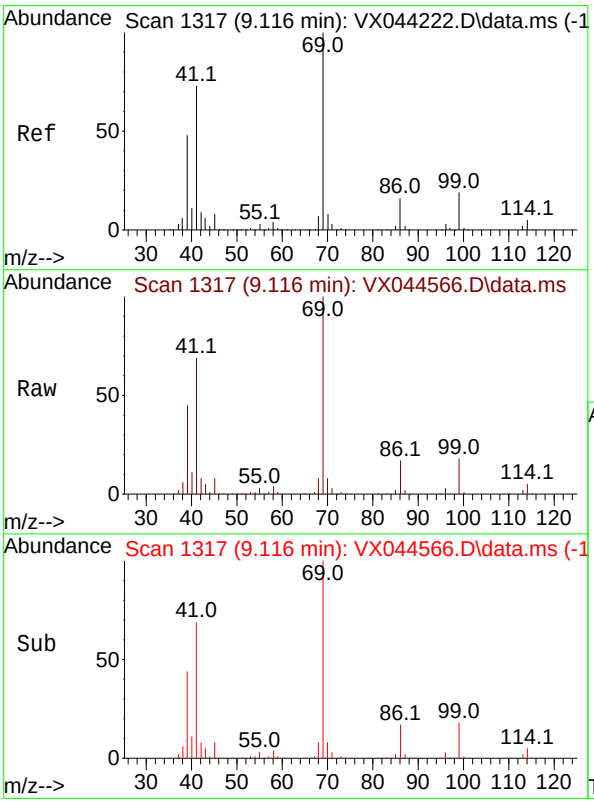
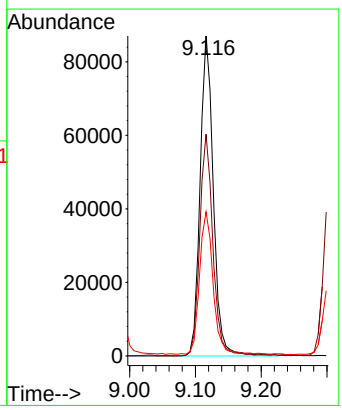
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

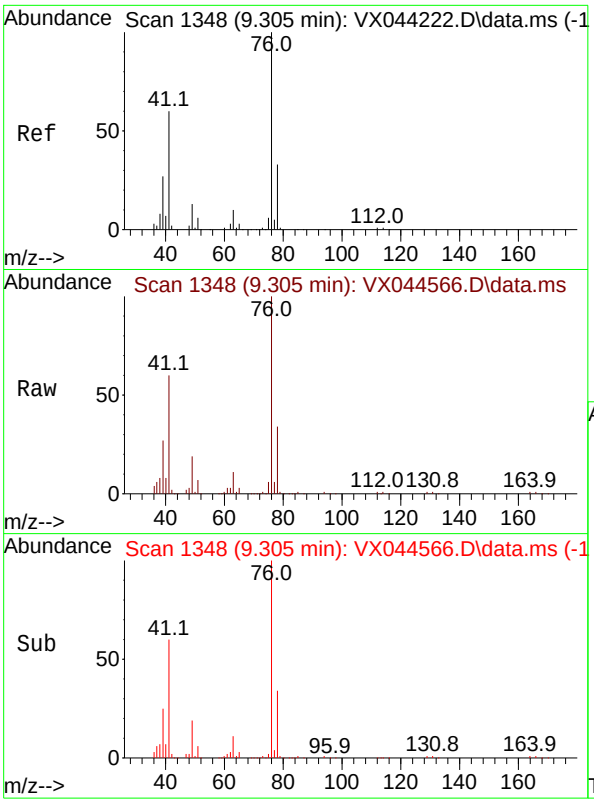



#56
Ethyl methacrylate
Concen: 50.372 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 69 Resp: 121845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 56.6 | 85.0 |
| 39 | 45.6 | 37.4 | 56.0 |






#57
1,3-Dichloropropane
Concen: 49.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

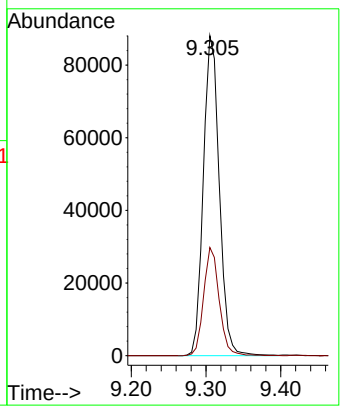
Tgt Ion: 76 Resp: 13081

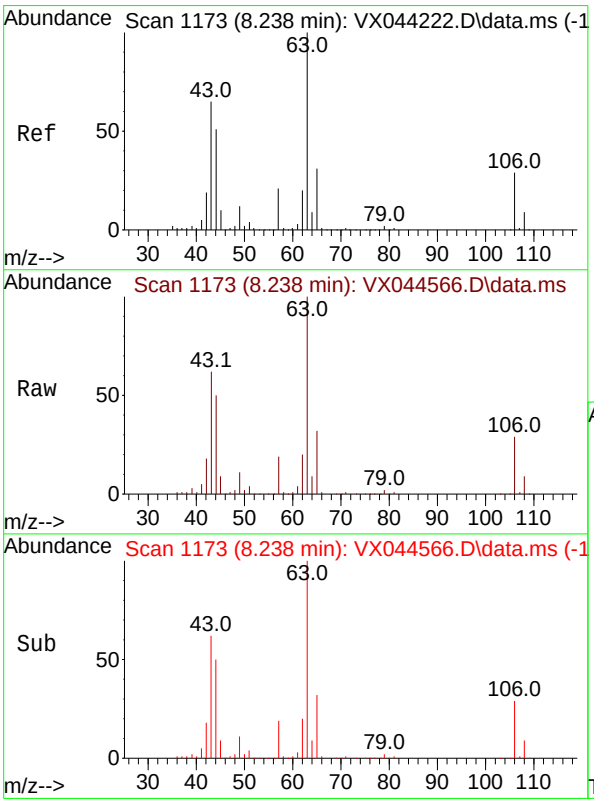
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.0 | 26.5 | 39.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

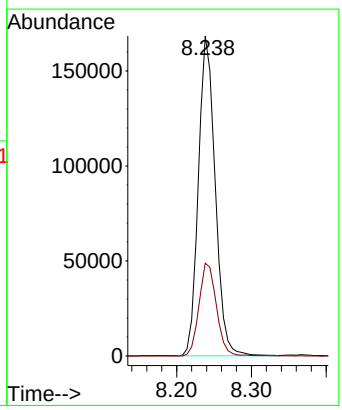


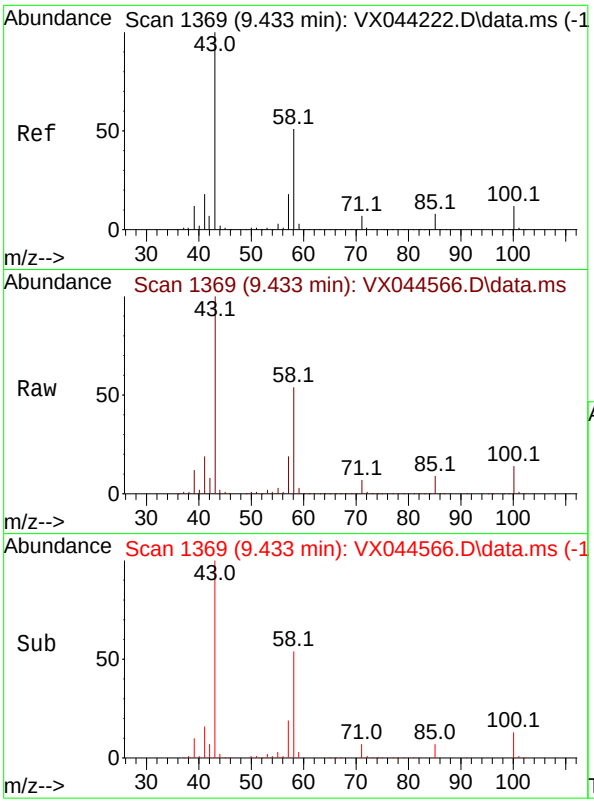




#58
2-Chloroethyl Vinyl ether
Concen: 215.466 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 63 Resp: 262876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.0 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 247.299 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 44982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.5 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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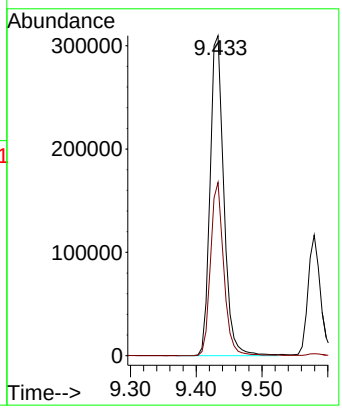
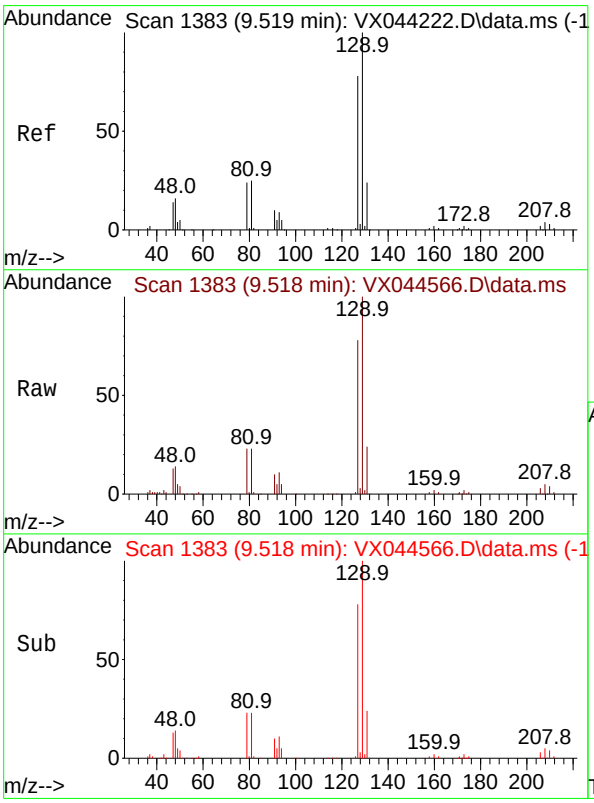
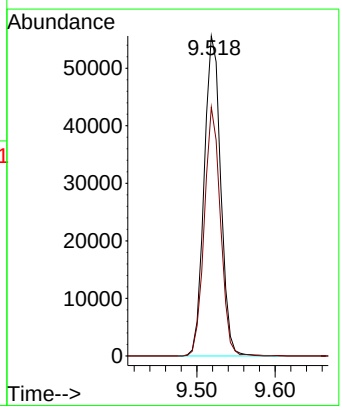


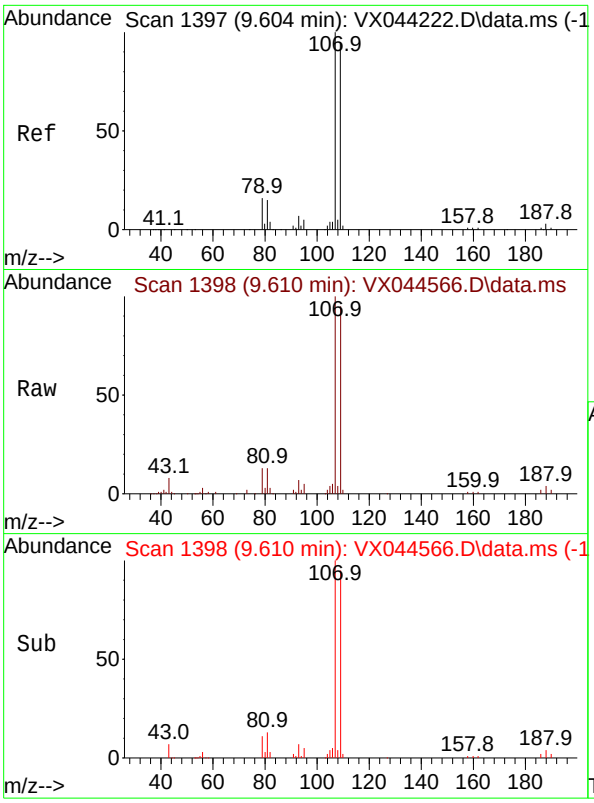




#60
Dibromochloromethane
Concen: 50.226 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:129 Resp: 81525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.6 | 38.5 | 115.3 |

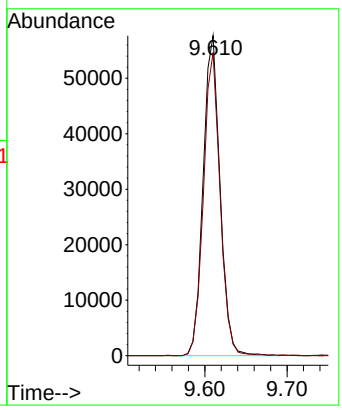





#61
1,2-Dibromoethane
Concen: 52.792 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:107 Resp: 8233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.5 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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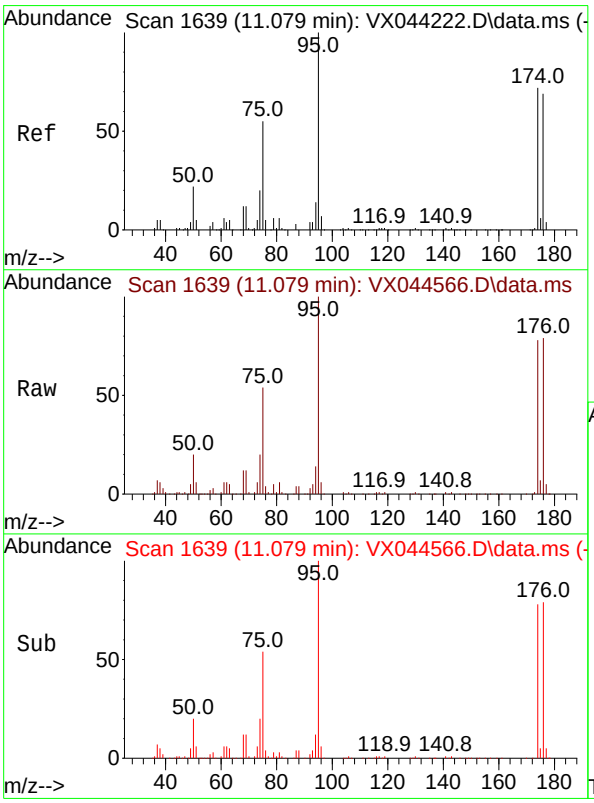
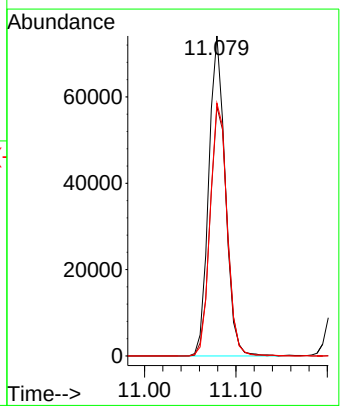
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

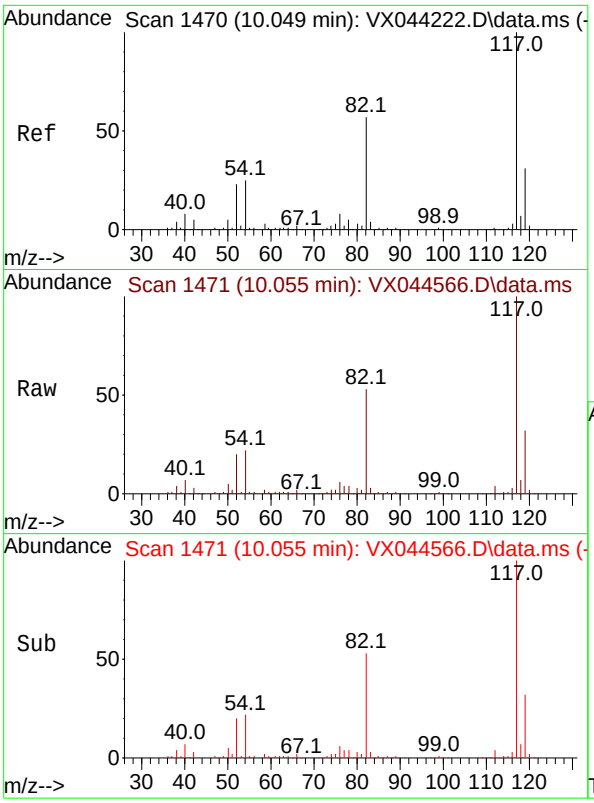



#62
4-Bromofluorobenzene
Concen: 50.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 95 Resp: 92593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.3 | 0.0 | 145.8 |
| 176 | 81.2 | 0.0 | 137.8 |

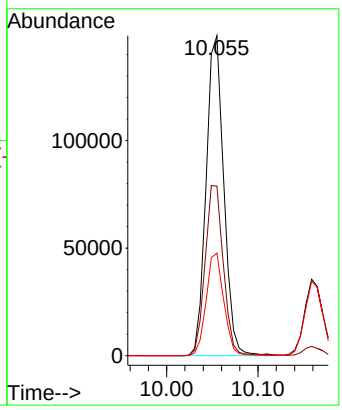





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 19968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 45.8 | 68.8 |
| 119 | 32.0 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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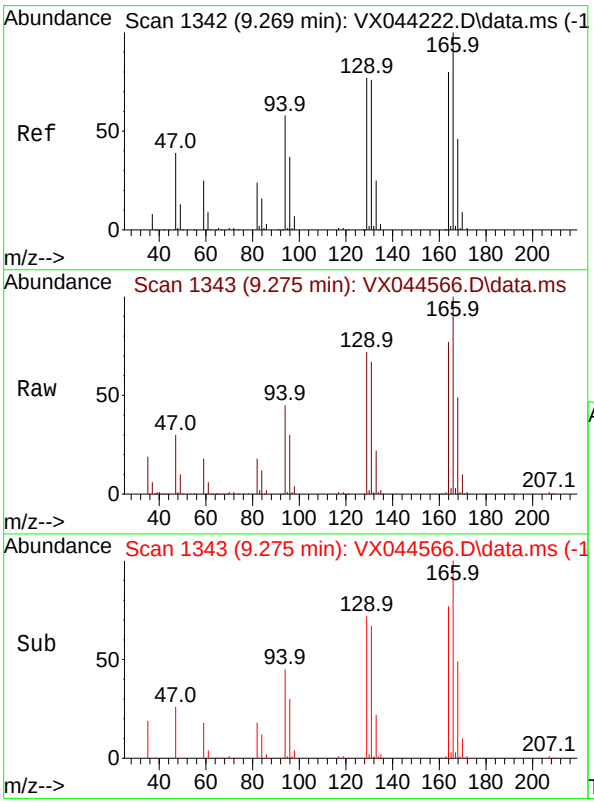
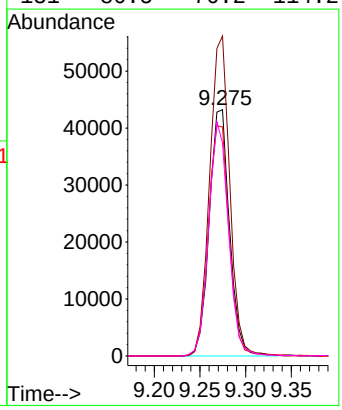
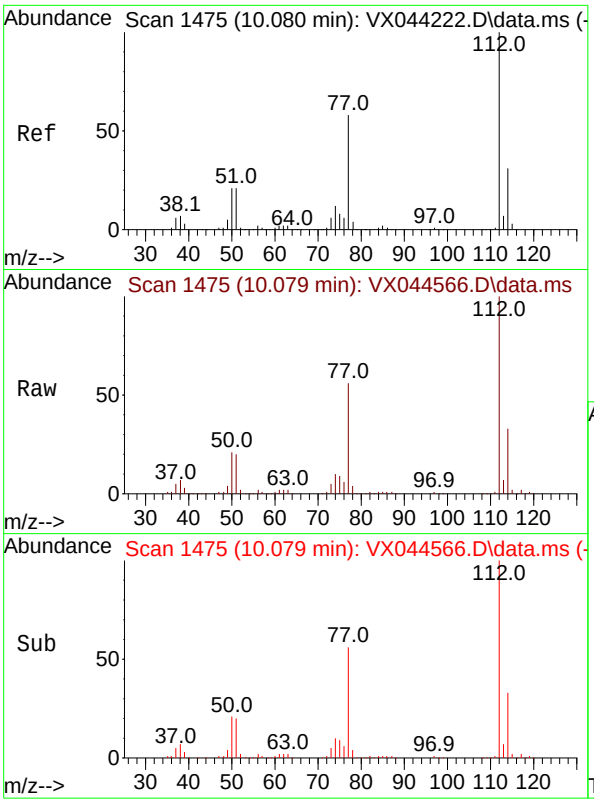



#64
Tetrachloroethene
Concen: 50.030 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:164 Resp: 66308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.0 | 100.4 | 150.6 |
| 129 | 93.0 | 77.2 | 115.8 |
| 131 | 86.5 | 76.2 | 114.2 |






#65
Chlorobenzene
Concen: 49.789 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:112 Resp: 213039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.2 | 25.0 | 37.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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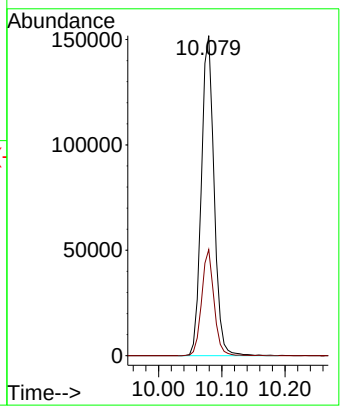
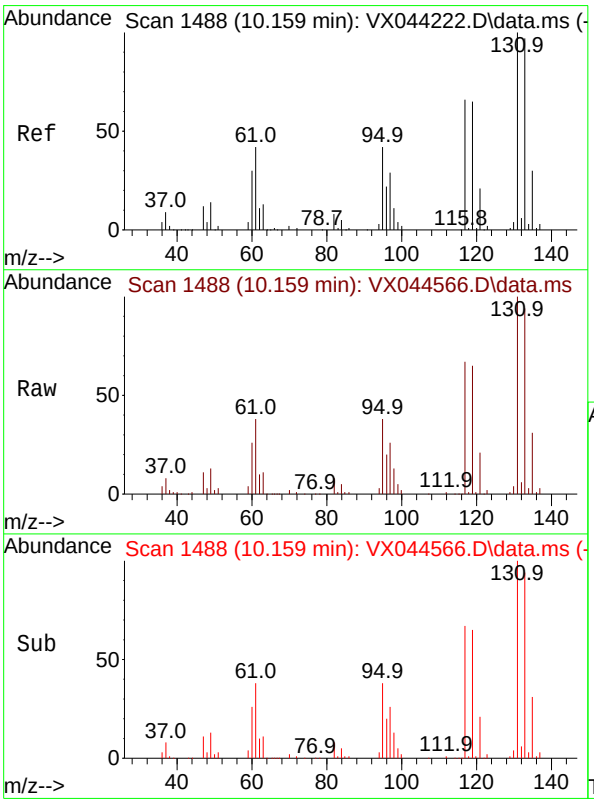
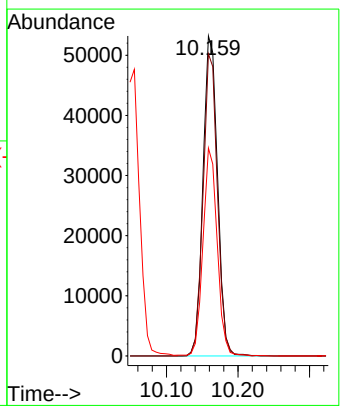


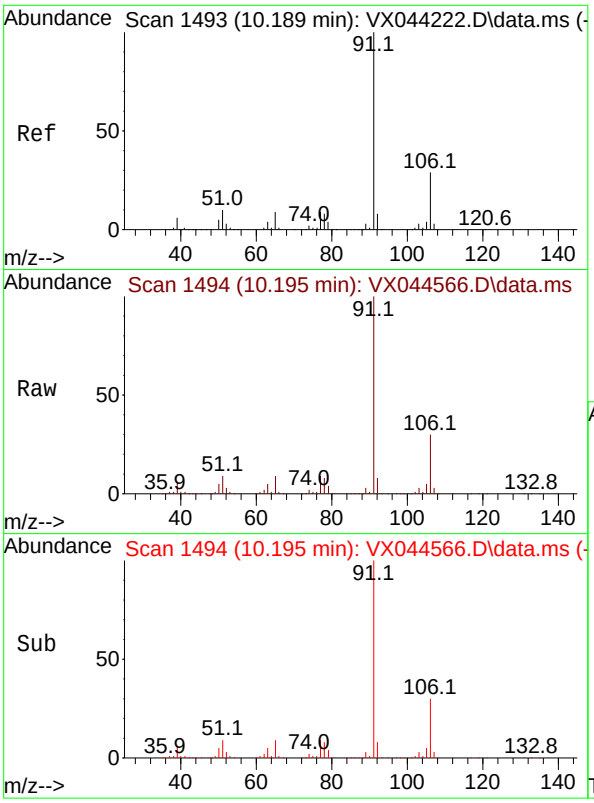




#66
1,1,1,2-Tetrachloroethane
Concen: 54.563 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:131 Resp: 75033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.5 | 47.3 | 141.8 |
| 119 | 63.7 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 49.429 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 36543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 23.5 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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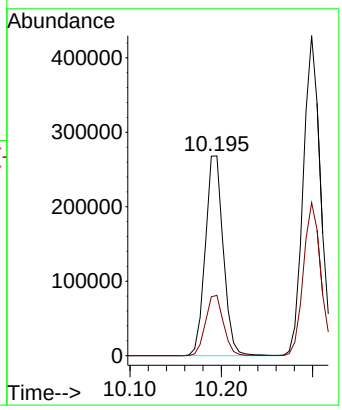
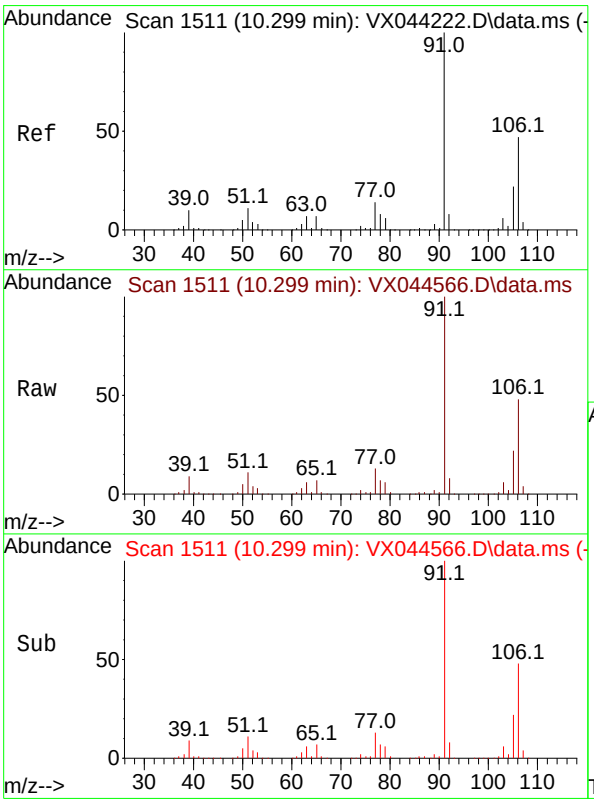
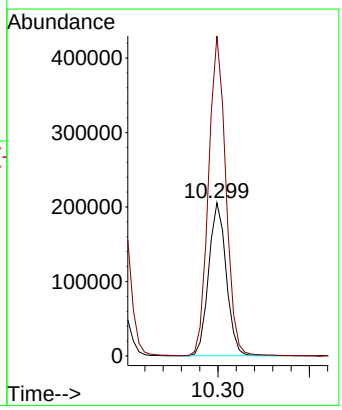


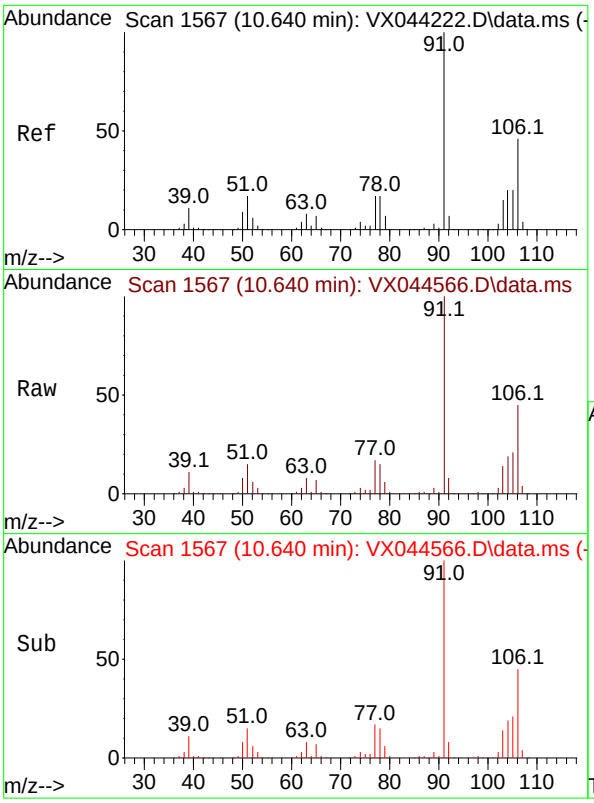




#68
m/p-Xylenes
Concen: 100.832 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:106 Resp: 273541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.2 | 170.2 | 255.2 |






#69
o-Xylene
Concen: 49.993 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:106 Resp: 13722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 112.3 | 337.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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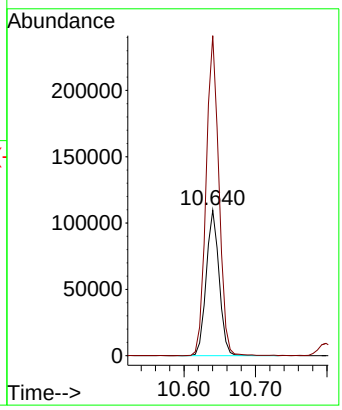
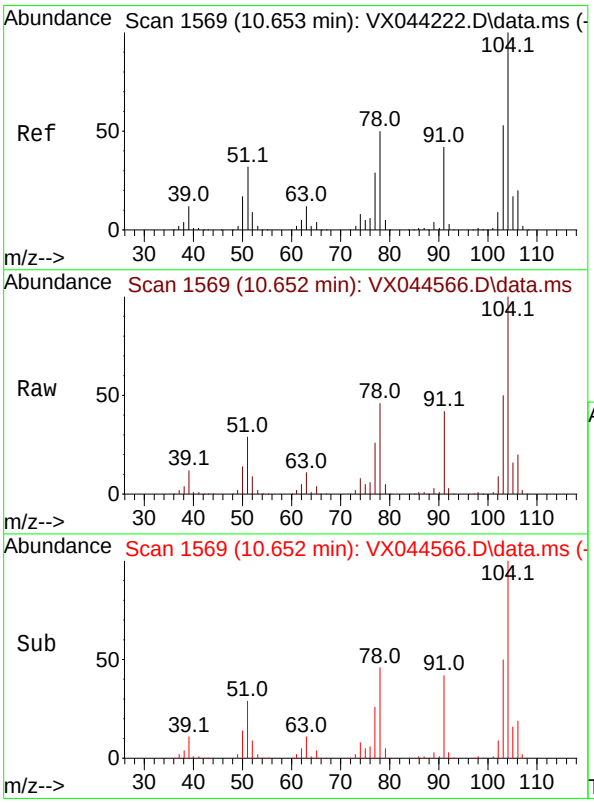
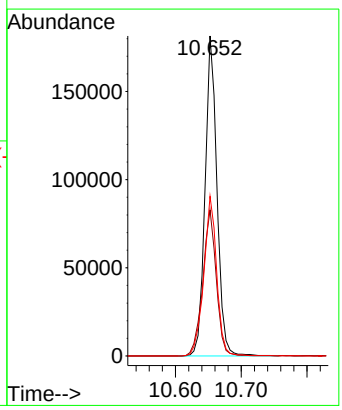


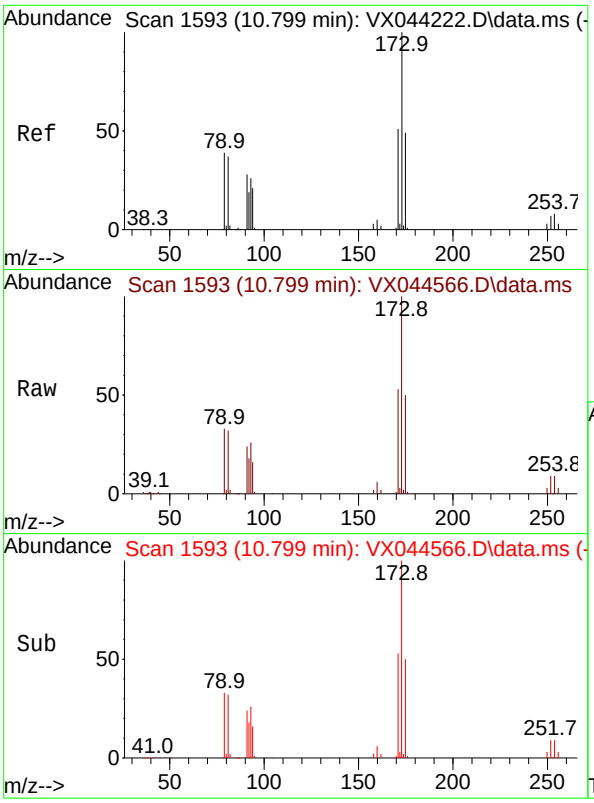




#70
Styrene
Concen: 52.025 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:104 Resp: 228924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.8 | 44.6 | 67.0 |
| 103 | 54.1 | 45.4 | 68.0 |






#71
Bromoform
Concen: 54.252 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:173 Resp: 5270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.7 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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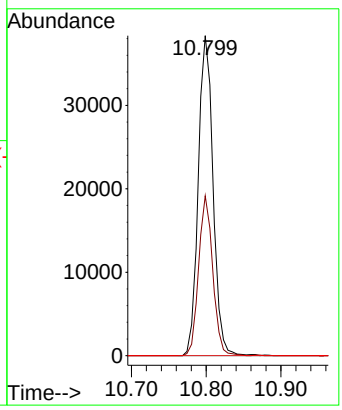
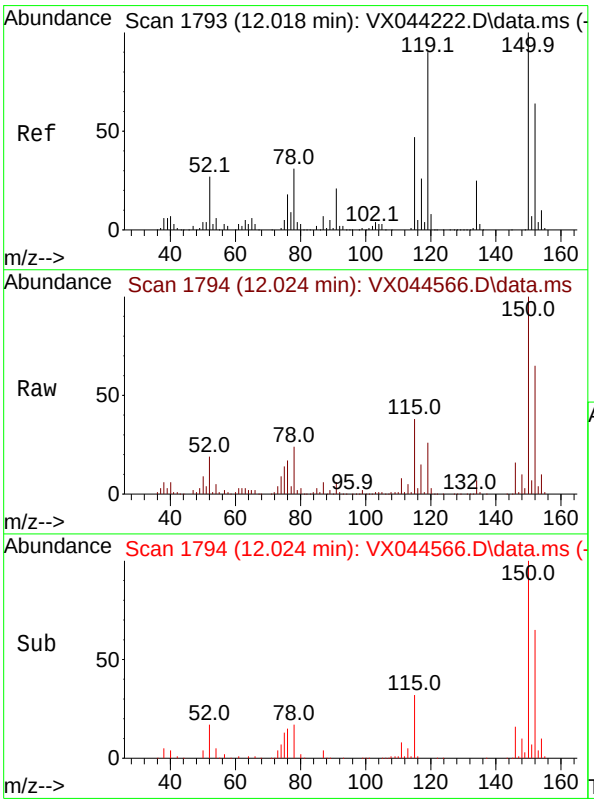
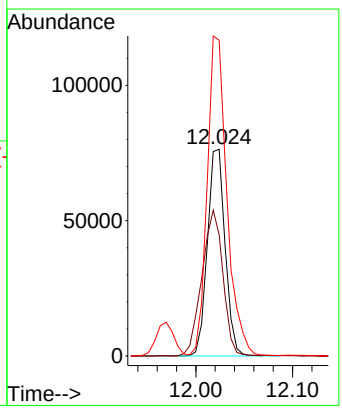


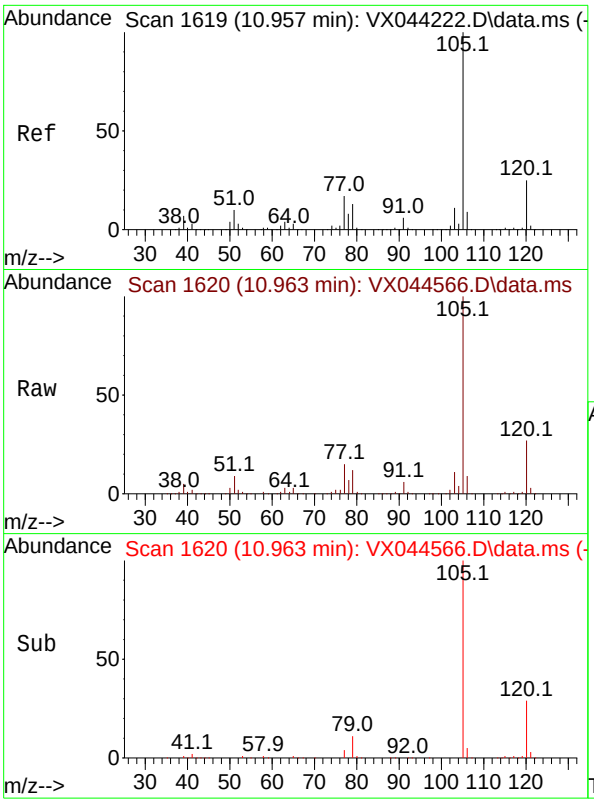




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:152 Resp: 97406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 83.5 | 44.5 | 133.3 |
| 150 | 171.6 | 0.0 | 353.8 |






#73
Isopropylbenzene
Concen: 48.065 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 35841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.0 | 13.1 | 39.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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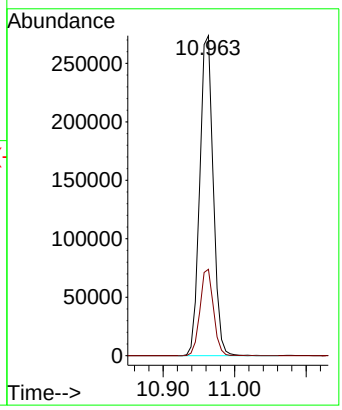
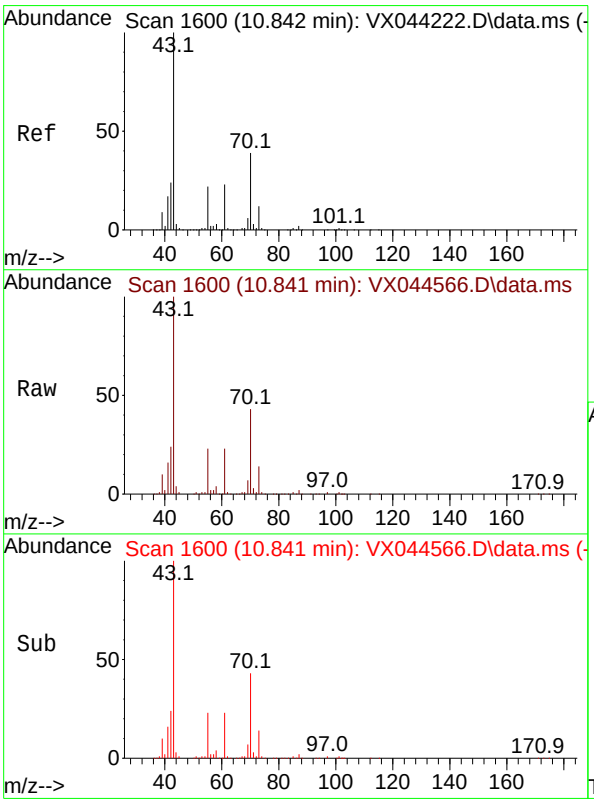
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

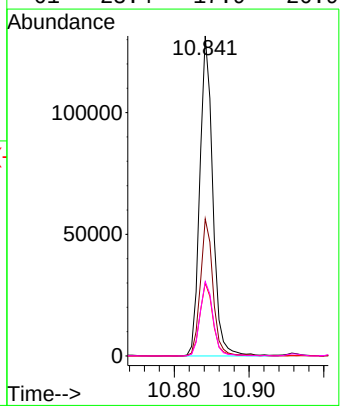


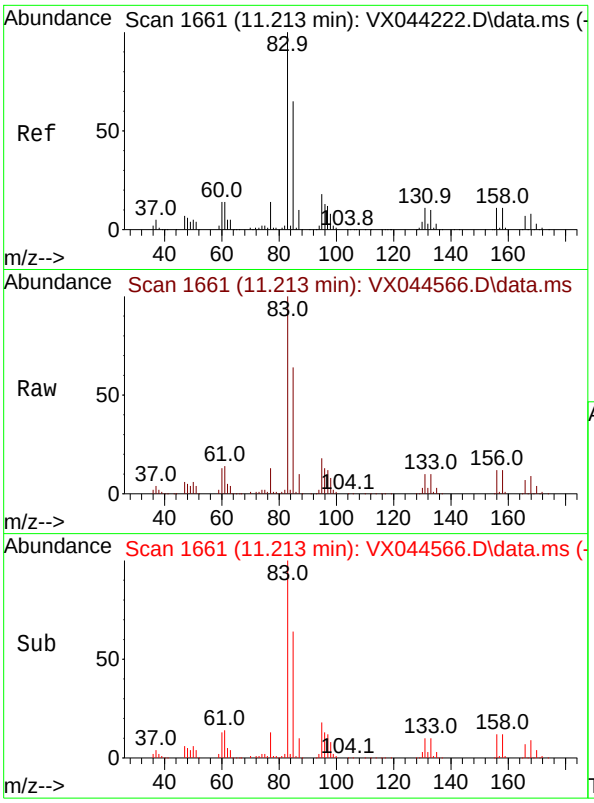




#74
N-amyl acetate
Concen: 45.983 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 158466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.7 | 31.9 | 47.9 |
| 55 | 23.4 | 17.9 | 26.9 |
| 61 | 23.4 | 17.9 | 26.9 |






#75
1,1,2,2-Tetrachloroethane
Concen: 47.507 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

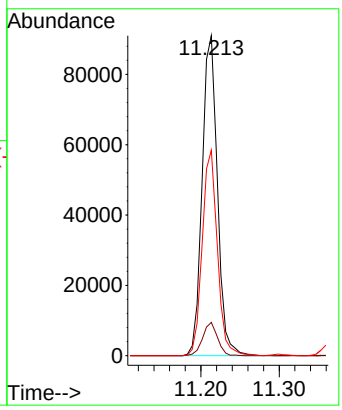
Tgt Ion: 83 Resp: 12304

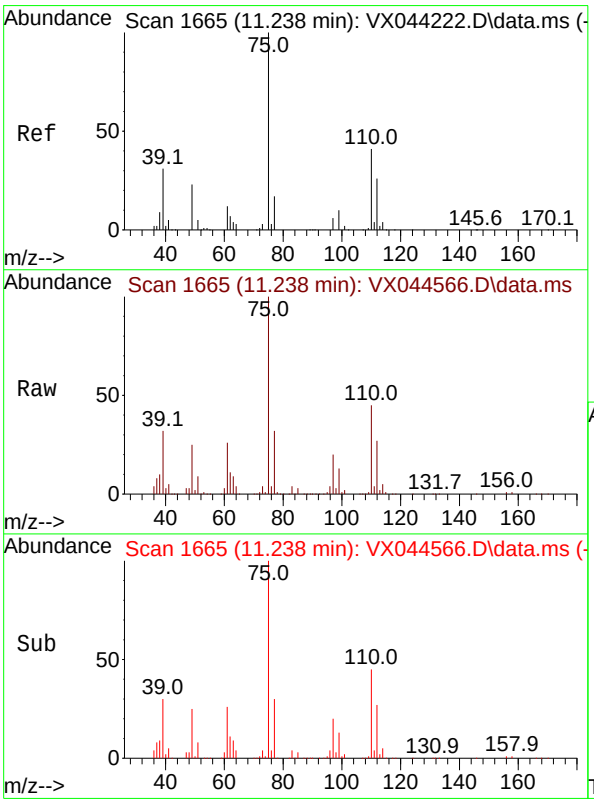
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.1 | 15.4 |
| 85 | 63.7 | 32.5 | 97.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

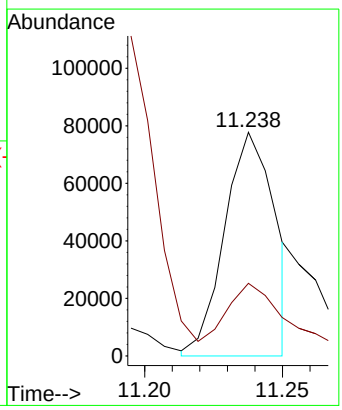


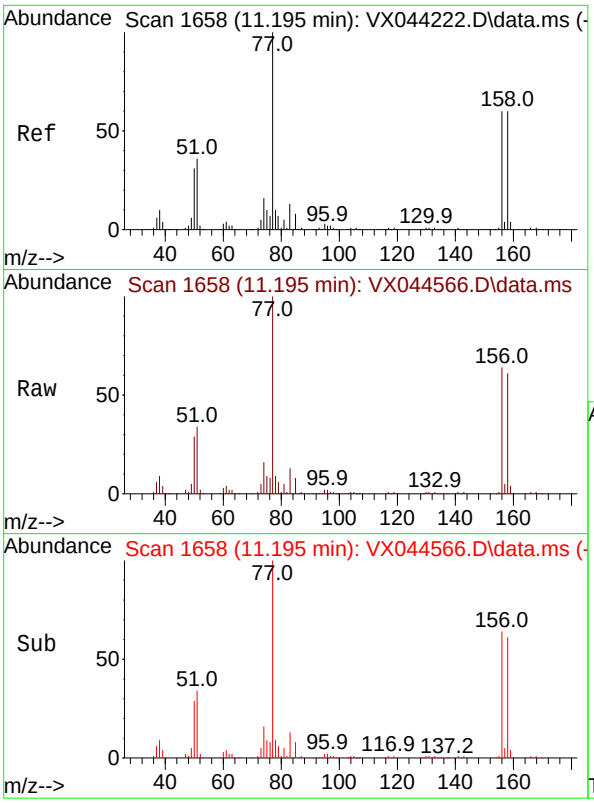




#76
1,2,3-Trichloropropane
Concen: 45.593 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 99157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.3 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 50.361 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:156 Resp: 9106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 150.4 | 82.6 | 247.8 |
| 158 | 96.3 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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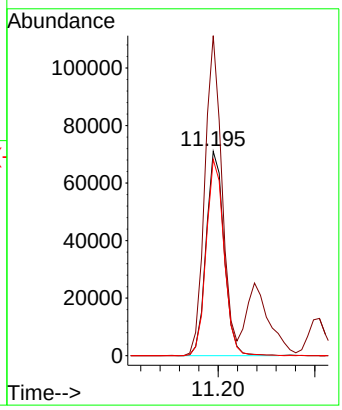
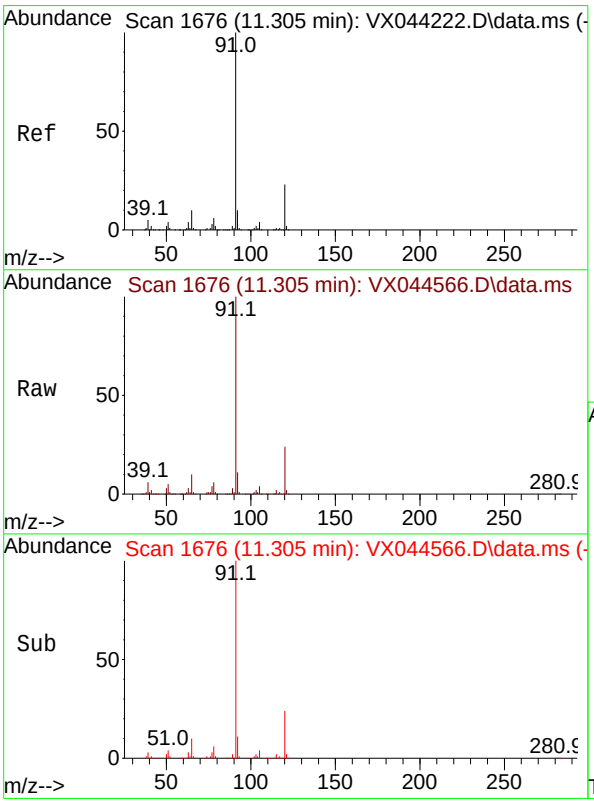
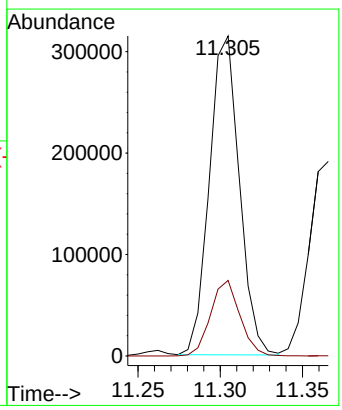


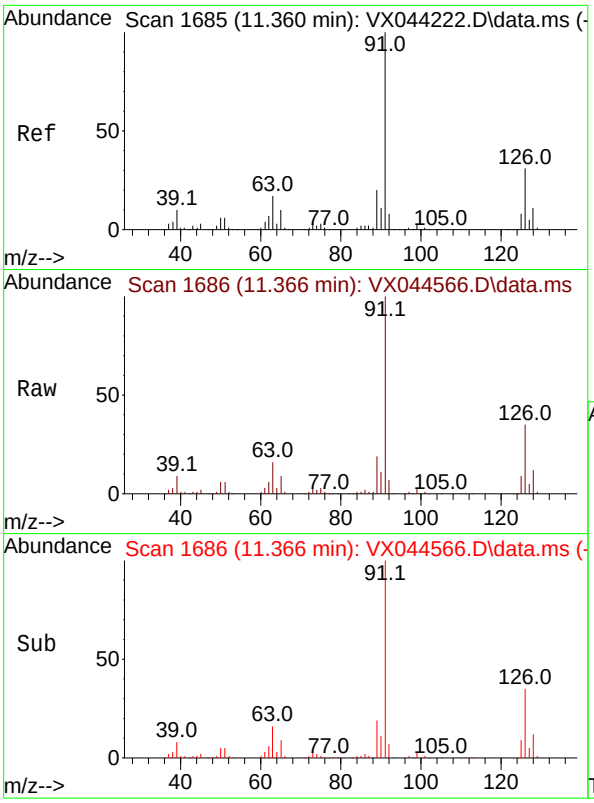




#78
n-propylbenzene
Concen: 48.380 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 398738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.2 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 46.103 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 24573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.2 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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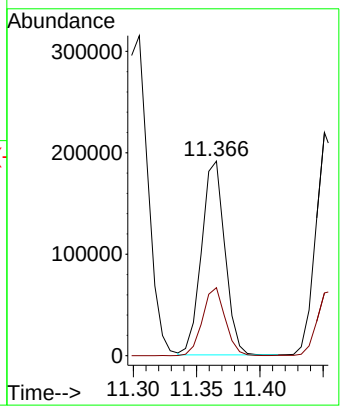
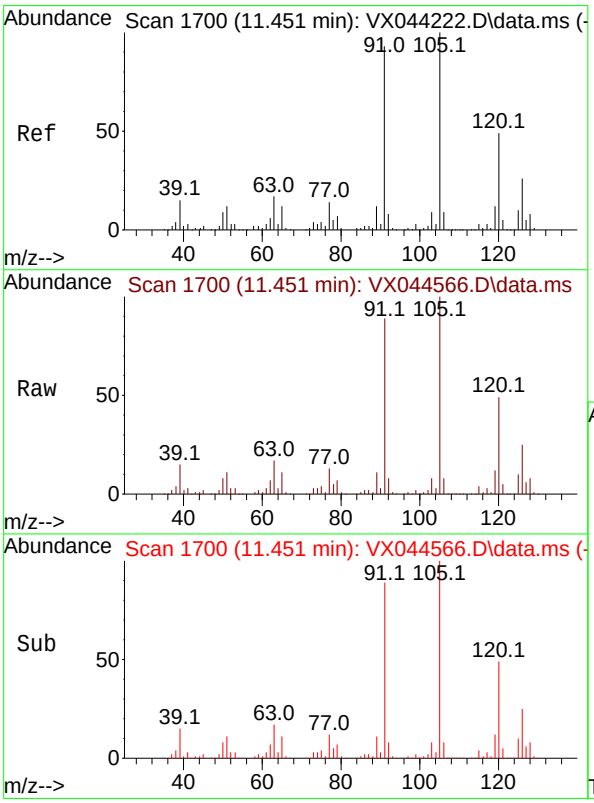
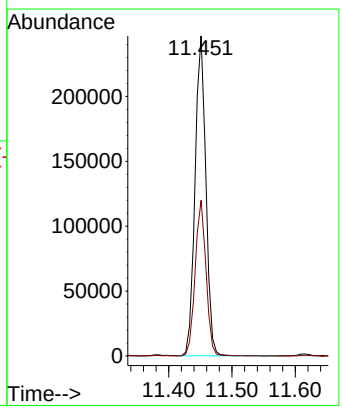


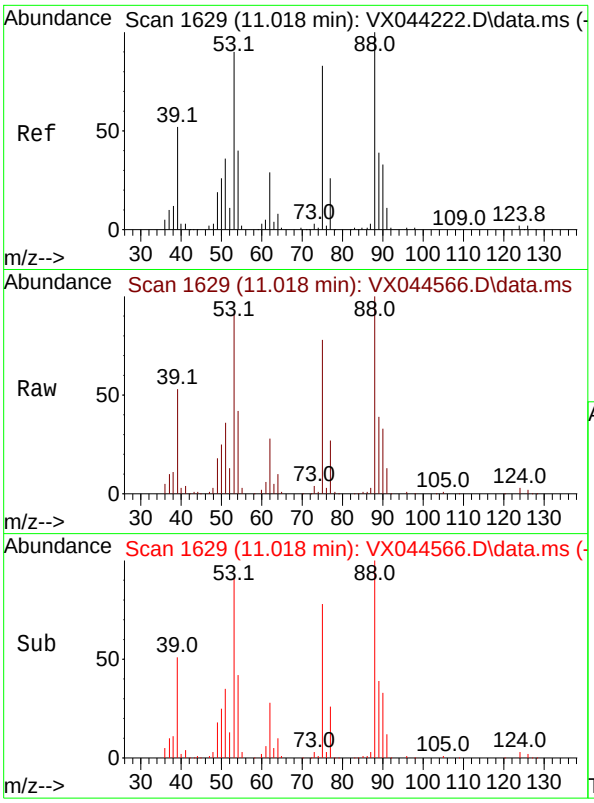




#80
1,3,5-Trimethylbenzene
Concen: 47.642 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 294610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 39.990 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 2939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.7 | 93.6 | 140.4 |
| 89 | 48.9 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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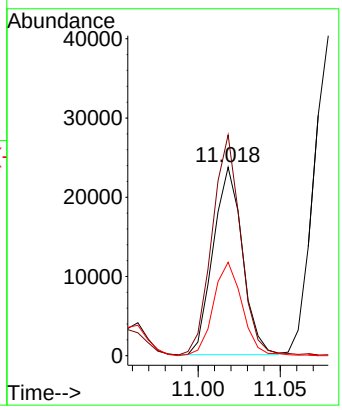
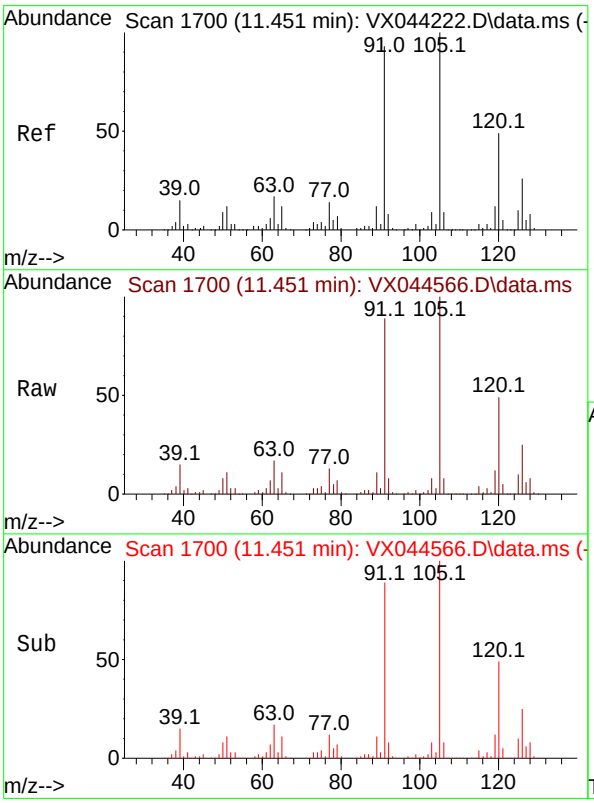
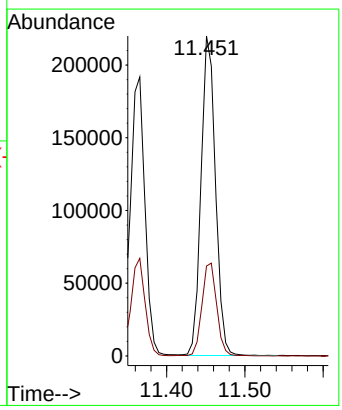


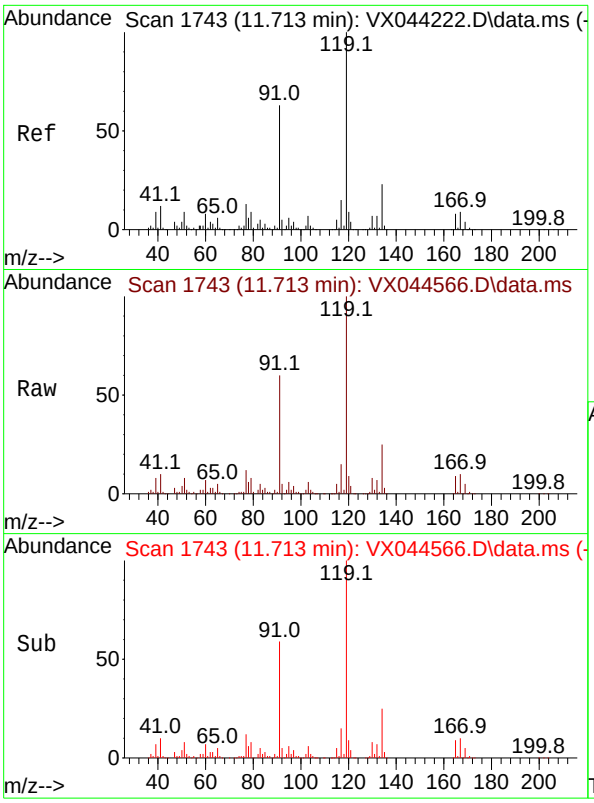




#82
4-Chlorotoluene
Concen: 47.540 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 280598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.9 | 14.5 | 43.5 |






#83
tert-Butylbenzene
Concen: 49.903 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:119 Resp: 30497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.6 | 30.9 | 92.5 |
| 134 | 24.1 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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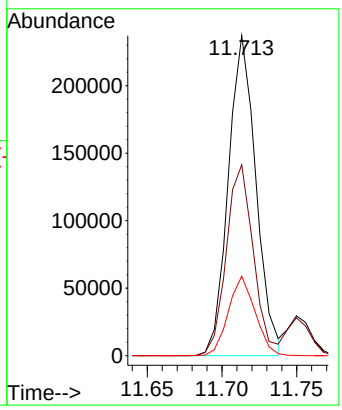
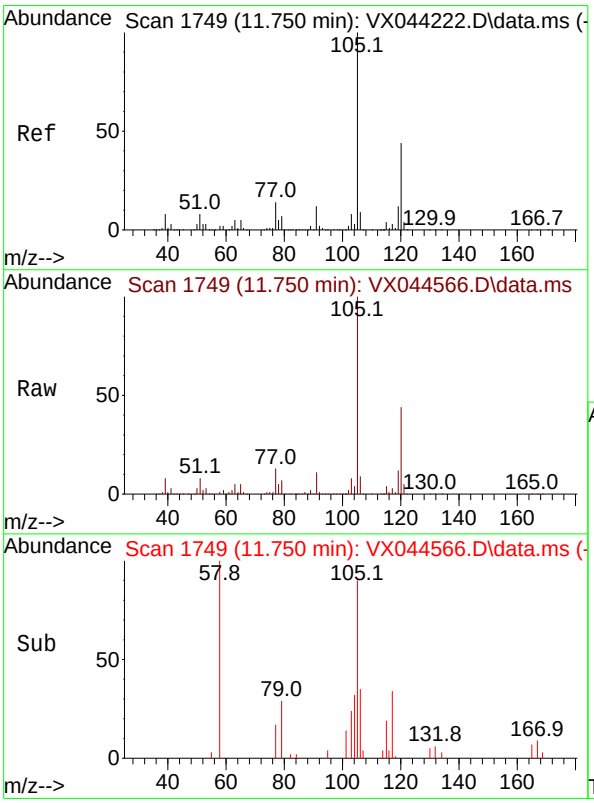
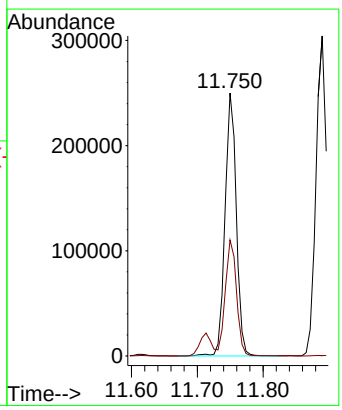


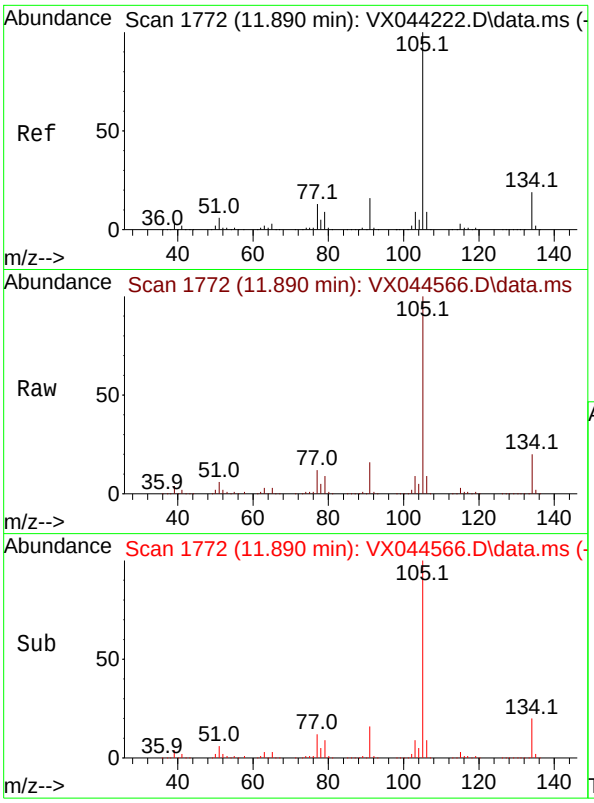




#84
1,2,4-Trimethylbenzene
Concen: 49.168 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 298601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 48.496 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 35979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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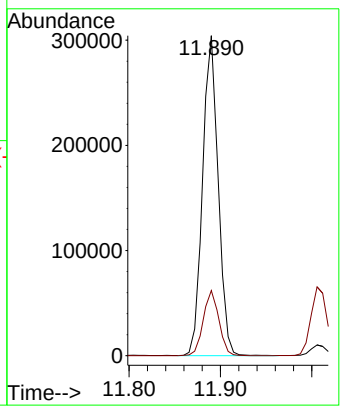
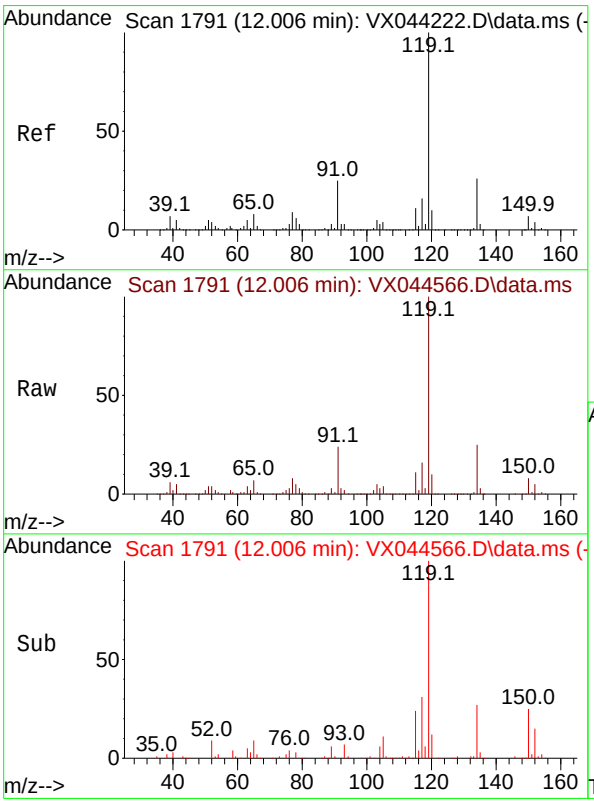
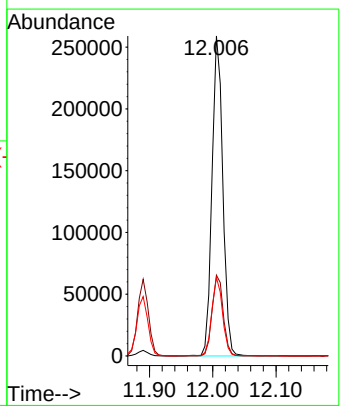


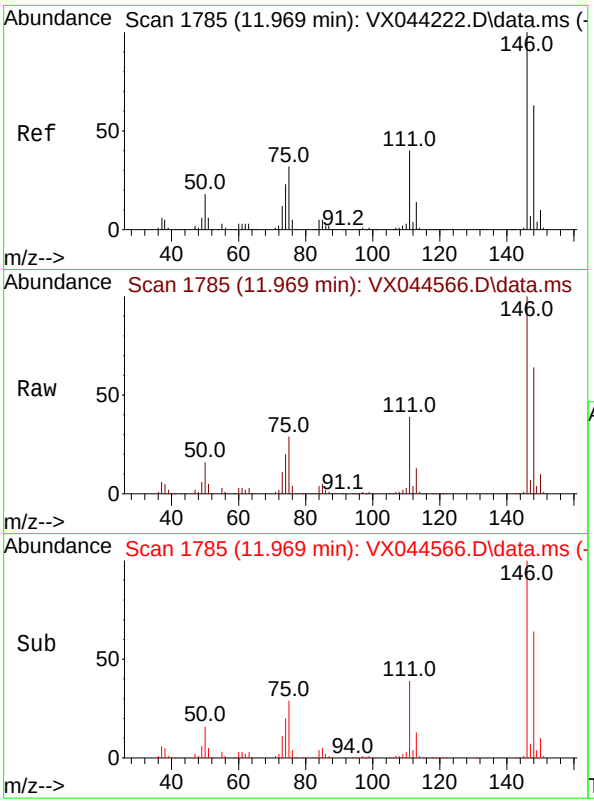




#86
p-Isopropyltoluene
Concen: 49.920 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:119 Resp: 308256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.8 | 38.4 |
| 91 | 24.5 | 13.0 | 39.0 |

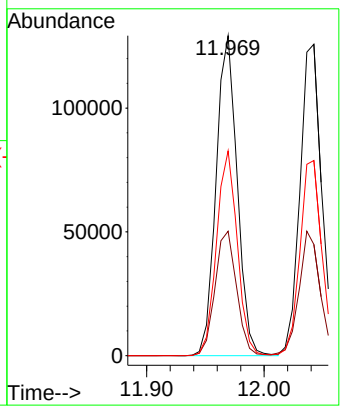





#87
1,3-Dichlorobenzene
Concen: 51.117 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:146 Resp: 16145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 21.4 | 64.2 |
| 148 | 62.9 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

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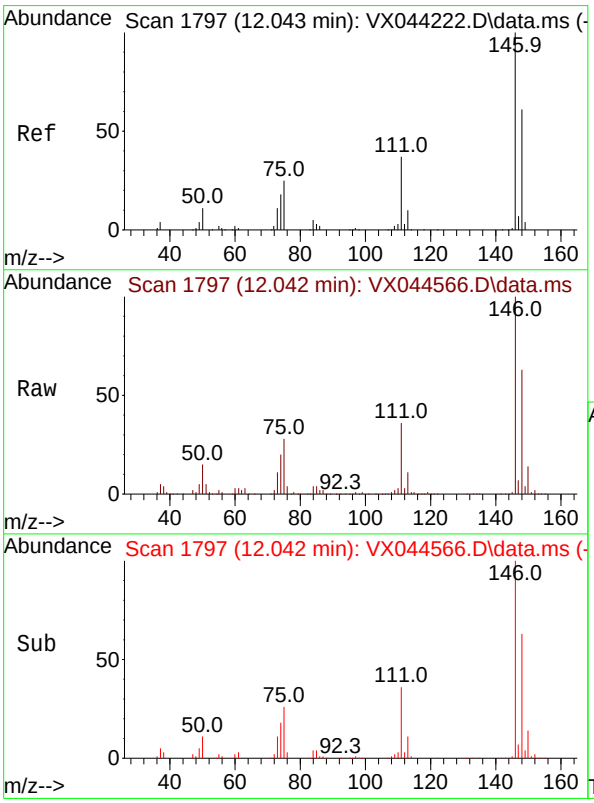
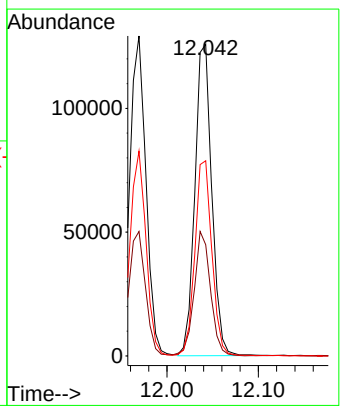
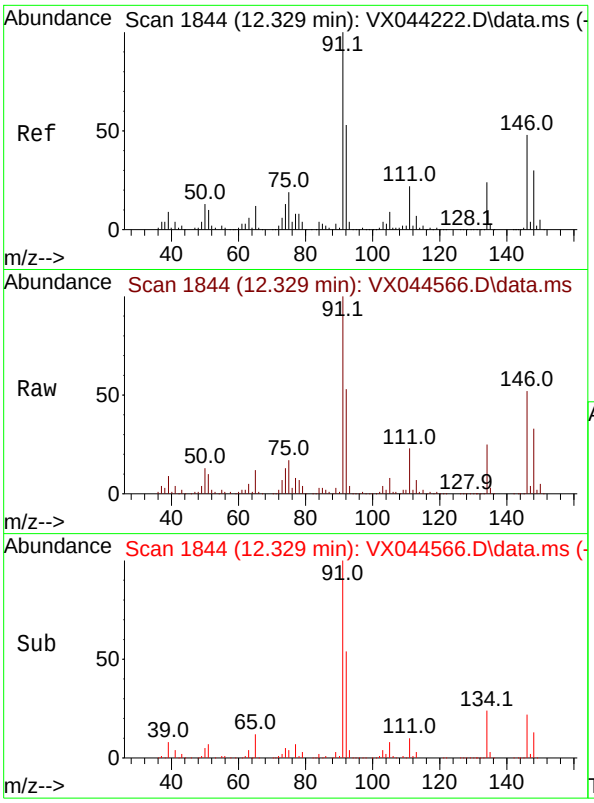



#88
1,4-Dichlorobenzene
Concen: 49.842 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:146 Resp: 161835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 21.0 | 63.0 |
| 148 | 63.0 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 48.337 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 25098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.6 | 79.7 |
| 134 | 26.2 | 12.6 | 37.8 |

**Manual Integrations**
**APPROVED**

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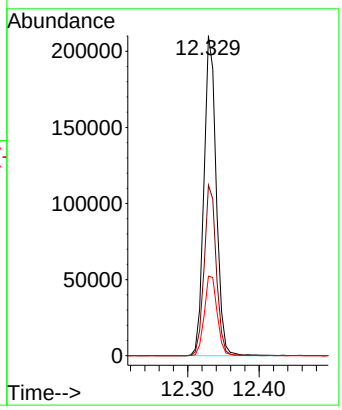
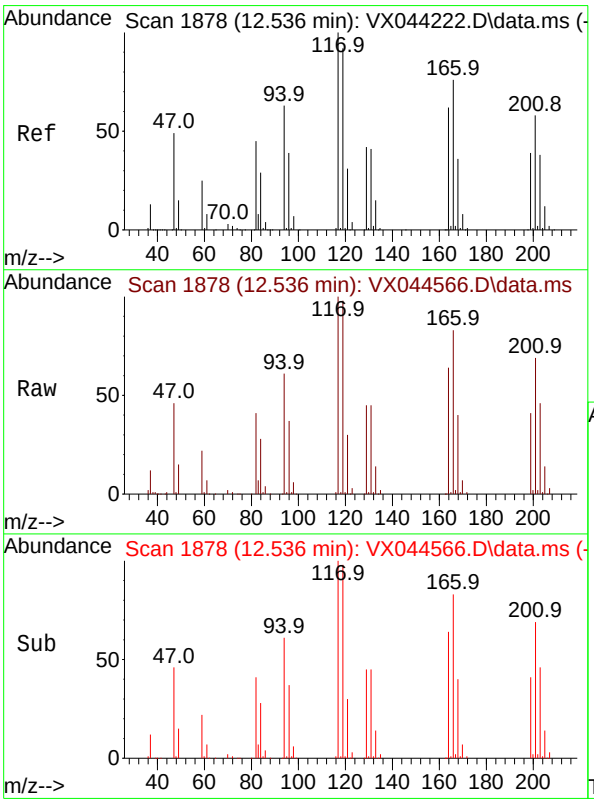
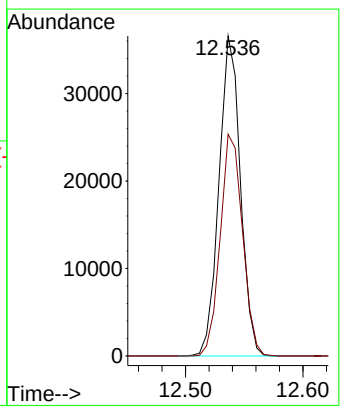


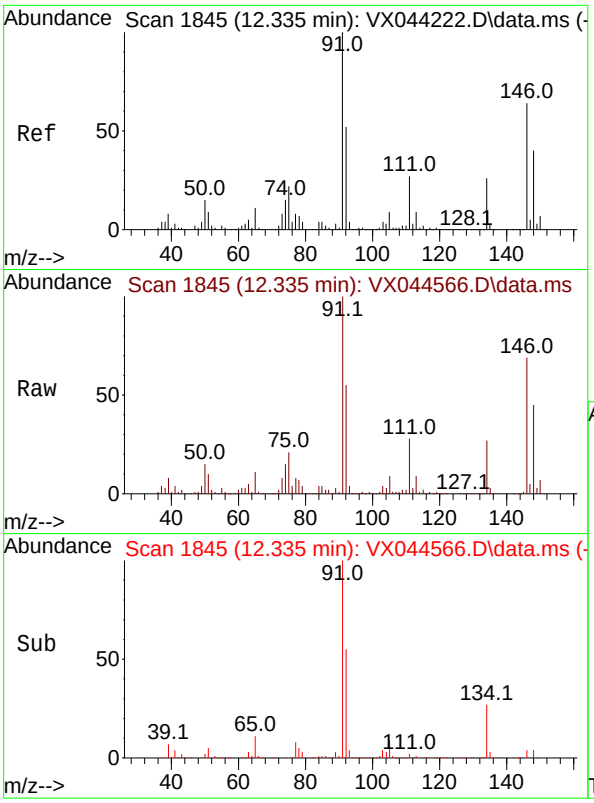




#90
Hexachloroethane
Concen: 51.321 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 46260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.4 | 31.4 | 94.2 |

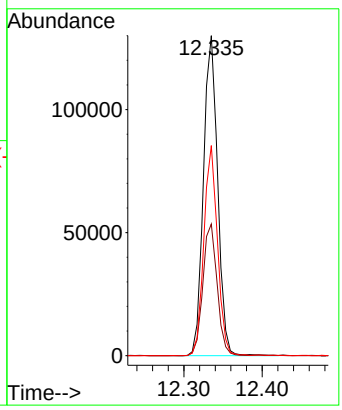





#91
1,2-Dichlorobenzene
Concen: 49.824 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:146 Resp: 16340

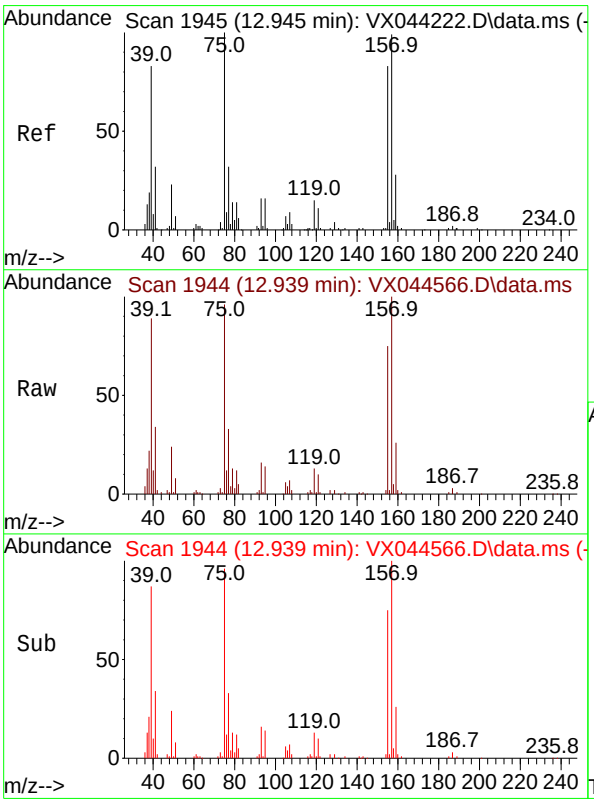
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 21.4 | 64.3 |
| 148 | 63.2 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

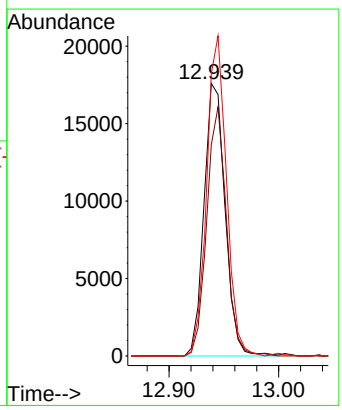
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

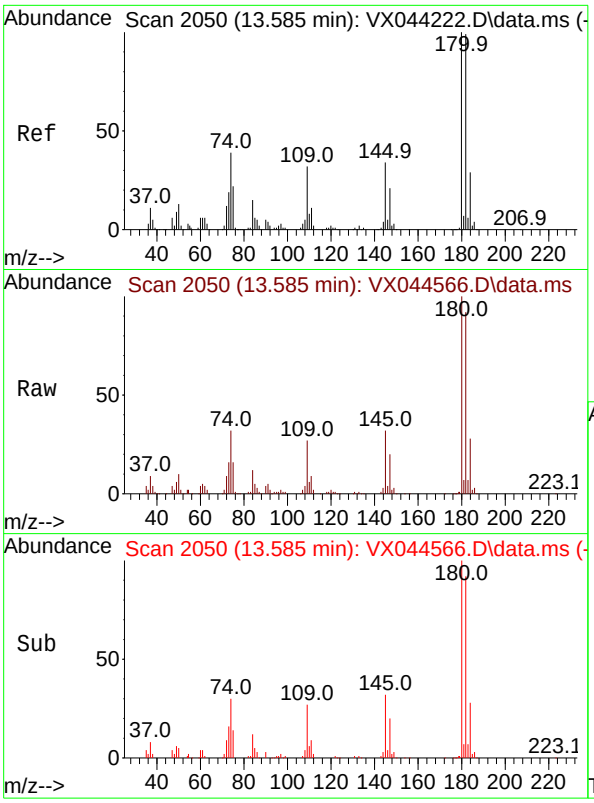



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.766 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 23513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.1 | 38.1 | 114.3 |
| 157 | 110.2 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 54.853 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

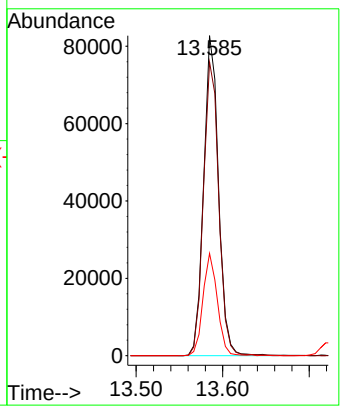
Tgt Ion:180 Resp: 9862

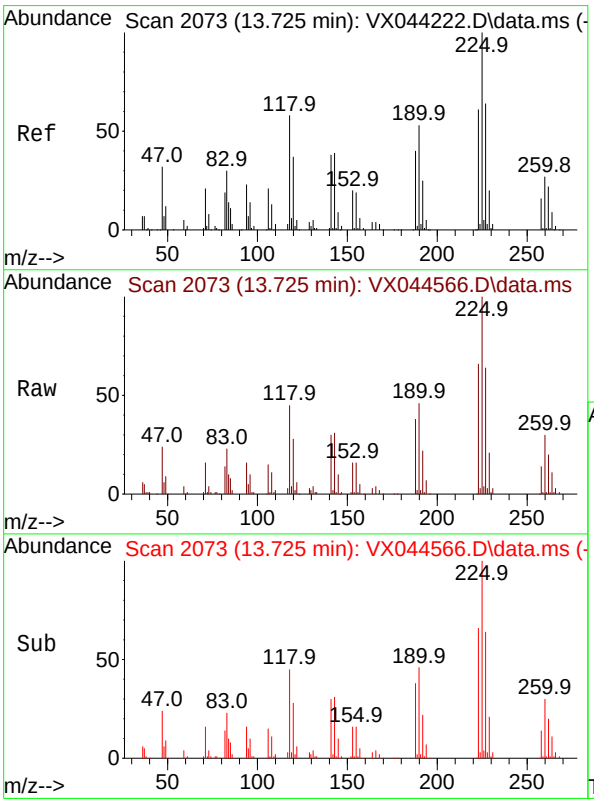
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 48.0 | 144.2 |
| 145 | 31.0 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

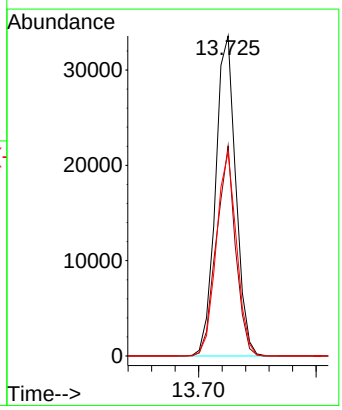


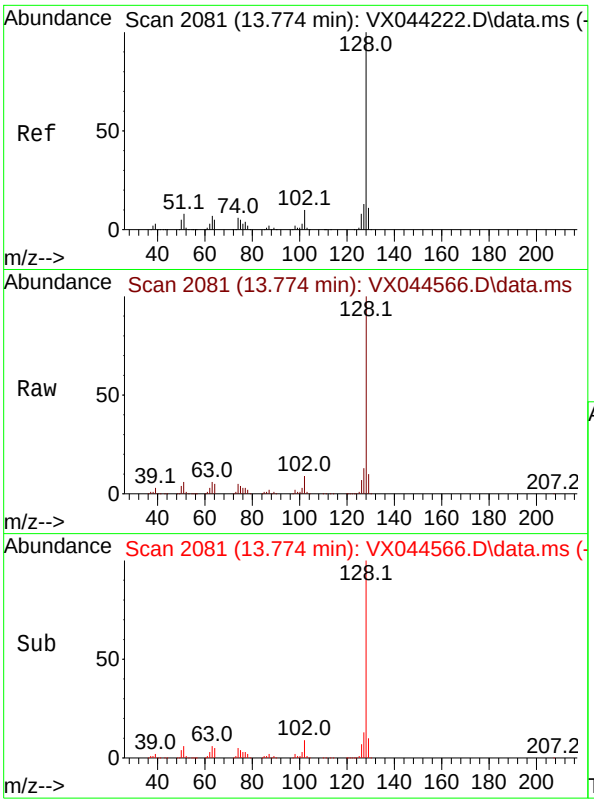




#94
Hexachlorobutadiene
Concen: 55.678 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:225 Resp: 40268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 30.8 | 92.4 |
| 227 | 63.7 | 32.1 | 96.3 |






#95
Naphthalene
Concen: 49.679 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

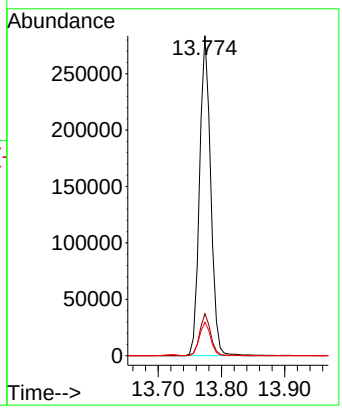
Tgt Ion:128 Resp: 34866

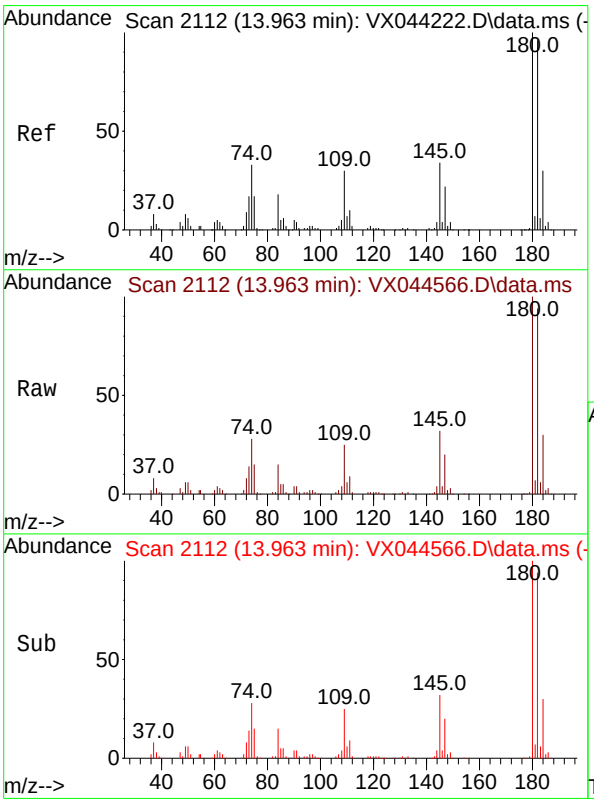
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.5 | 9.0 | 13.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

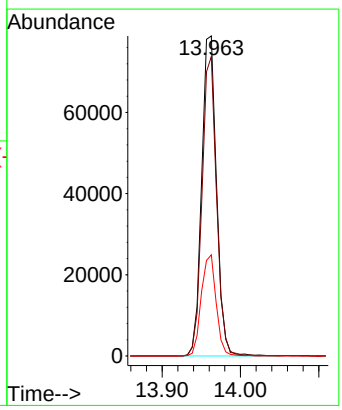



#96
1,2,3-Trichlorobenzene
Concen: 54.300 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:180 Resp: 103555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.5 | 48.0 | 144.0 |
| 145 | 31.7 | 17.7 | 53.1 |



Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.773 | 0.656 | 15.1 | 89 | 0.00 |
| 3 | P | Chloromethane | 0.739 | 0.595 | 19.5 | 84 | 0.00 |
| 4 | C | Vinyl Chloride | 0.770 | 0.637 | 17.3# | 87 | 0.00 |
| 5 | T | Bromomethane | 0.546 | 0.434 | 20.5 | 84 | 0.00 |
| 6 | T | Chloroethane | 0.480 | 0.411 | 14.4 | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.508 | 1.187 | 21.3 | 83 | 0.00 |
| 8 | T | Diethyl Ether | 0.515 | 0.452 | 12.2 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.610 | 0.575 | 5.7 | 100 | 0.00 |
| 10 | T | Methyl Iodide | 0.804 | 0.776 | 3.5 | 98 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.102 | 17.7 | 91 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.560 | 0.554 | 1.1# | 100 | 0.00 |
| 13 | T | Acrolein | 0.179 | 0.325 | -81.6# | 189# | 0.00 |
| 14 | T | Allyl chloride | 0.933 | 0.814 | 12.8 | 87 | 0.00 |
| 15 | T | Acrylonitrile | 0.342 | 0.306 | 10.5 | 92 | 0.00 |
| 16 | T | Acetone | 0.357 | 0.284 | 20.4 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 1.065 | 0.937 | 12.0 | 87 | 0.00 |
| 18 | T | Methyl Acetate | 0.922 | 0.841 | 8.8 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.187 | 1.892 | 13.5 | 88 | 0.00 |
| 20 | T | Methylene Chloride | 0.671 | 0.598 | 10.9 | 93 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.545 | 8.6 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 2.102 | 1.792 | 14.7 | 89 | 0.00 |
| 23 | T | Vinyl Acetate | 1.709 | 1.560 | 8.7 | 88 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.172 | 1.065 | 9.1 | 92 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.435 | 14.4 | 85 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.952 | 0.688 | 27.7# | 71 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.756 | 0.682 | 9.8 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 0.575 | 0.455 | 20.9 | 82 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.326 | 0.278 | 14.7 | 88 | 0.00 |
| 30 | C | Chloroform | 1.316 | 1.146 | 12.9# | 92 | 0.00 |
| 31 | T | Cyclohexane | 0.946 | 0.793 | 16.2 | 87 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.093 | 1.005 | 8.1 | 92 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.877 | 0.721 | 17.8 | 84 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.346 | 0.0 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.448 | 0.428 | 4.5 | 93 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.509 | 8.0 | 85 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.482 | 0.484 | -0.4 | 93 | 0.00 |
| 39 | T | Methylcyclohexane | 0.535 | 0.513 | 4.1 | 89 | 0.00 |
| 40 | TM | Benzene | 1.359 | 1.334 | 1.8 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 0.294 | 0.271 | 7.8 | 87 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.560 | 0.526 | 6.1 | 87 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.865 | 0.822 | 5.0 | 87 | 0.00 |
| 44 | TM | Trichloroethene | 0.339 | 0.354 | -4.4 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.347 | 0.331 | 4.6# | 90 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.267 | 0.7 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 0.465 | 0.478 | -2.8 | 91 | 0.00 |
| 48 | T | Methyl methacrylate | 0.420 | 0.394 | 6.2 | 86 | 0.00 |

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.006 | 14.3 | 81 | 0.00 |
| 50 | S | Toluene-d8 | 1.168 | 1.133 | 3.0 | 88 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.556 | 0.539 | 3.1 | 88 | 0.00 |
| 52 | CM | Toluene | 0.853 | 0.835 | 2.1# | 92 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.455 | 0.458 | -0.7 | 86 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.507 | 0.510 | -0.6 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.339 | 0.351 | -3.5 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.535 | 0.539 | -0.7 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.579 | 1.9 | 91 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.233 | 13.7 | 77 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.398 | 1.2 | 88 | 0.00 |
| 60 | T | Dibromochloromethane | 0.326 | 0.361 | -10.7 | 94 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.364 | -5.5 | 96 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.408 | 0.410 | -0.5 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 0.332 | 0.332 | 0.0 | 101 | 0.00 |
| 65 | PM | Chlorobenzene | 1.071 | 1.067 | 0.4 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.344 | 0.376 | -9.3 | 98 | 0.00 |
| 67 | C | Ethyl Benzene | 1.851 | 1.830 | 1.1# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.685 | -0.9 | 94 | 0.00 |
| 69 | T | o-Xylene | 0.687 | 0.687 | 0.0 | 95 | 0.00 |
| 70 | T | Styrene | 1.102 | 1.146 | -4.0 | 96 | 0.00 |
| 71 | P | Bromoform | 0.219 | 0.264 | -20.5 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 73 | T | Isopropylbenzene | 3.828 | 3.680 | 3.9 | 96 | 0.00 |
| 74 | T | N-amyl acetate | 1.769 | 1.627 | 8.0 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.329 | 1.263 | 5.0 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.116 | 1.018 | 8.8 | 93 | 0.00 |
| 77 | T | Bromobenzene | 0.928 | 0.935 | -0.8 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 4.231 | 4.094 | 3.2 | 93 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.736 | 2.523 | 7.8 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.174 | 3.025 | 4.7 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.347 | 0.302 | 13.0 | 84 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.030 | 2.881 | 4.9 | 95 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.137 | 3.131 | 0.2 | 98 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.117 | 3.066 | 1.6 | 95 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.808 | 3.694 | 3.0 | 95 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.170 | 3.165 | 0.2 | 97 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.621 | 1.658 | -2.3 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.667 | 1.661 | 0.4 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 2.665 | 2.577 | 3.3 | 93 | 0.00 |
| 90 | T | Hexachloroethane | 0.463 | 0.475 | -2.6 | 96 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.683 | 1.678 | 0.3 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.258 | 0.241 | 6.6 | 90 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.923 | 1.013 | -9.8 | 106 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.371 | 0.413 | -11.3 | 114 | 0.00 |
| 95 | T | Naphthalene | 3.603 | 3.580 | 0.6 | 95 | 0.00 |

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.979 | 1.063 | -8.6 | 107 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 42.412 | 15.2 | 89 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 40.211 | 19.6 | 84 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 41.376 | 17.2# | 87 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 39.669 | 20.7 | 84 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 42.857 | 14.3 | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 39.375 | 21.3 | 83 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 43.886 | 12.2 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.148 | 5.7 | 100 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.249 | 3.5 | 98 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 205.729 | 17.7 | 91 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.435 | 1.1# | 100 | 0.00 |
| 13 | T | Acrolein | 250.000 | 454.411 | -81.8# | 189 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 43.612 | 12.8 | 87 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 223.794 | 10.5 | 92 | 0.00 |
| 16 | T | Acetone | 250.000 | 198.438 | 20.6 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.956 | 12.1 | 87 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 45.622 | 8.8 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 43.259 | 13.5 | 88 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 44.561 | 10.9 | 93 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.785 | 8.4 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 42.621 | 14.8 | 89 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 228.196 | 8.7 | 88 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 45.434 | 9.1 | 92 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 214.237 | 14.3 | 85 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 36.132 | 27.7# | 71 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 45.097 | 9.8 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 39.585 | 20.8 | 82 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 212.969 | 14.8 | 88 | 0.00 |
| 30 | C | Chloroform | 50.000 | 43.510 | 13.0# | 92 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 41.915 | 16.2 | 87 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.002 | 8.0 | 92 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 41.150 | 17.7 | 84 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.905 | 0.2 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.753 | 4.5 | 93 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 46.024 | 8.0 | 85 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.199 | -0.4 | 93 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.948 | 4.1 | 89 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.074 | 1.9 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 46.035 | 7.9 | 87 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.987 | 6.0 | 87 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 47.508 | 5.0 | 87 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.249 | -4.5 | 98 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 47.708 | 4.6# | 90 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.490 | 1.0 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.396 | -2.8 | 91 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 46.878 | 6.2 | 86 | 0.00 |

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 913.462 | 8.7 | 81 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.474 | 3.1 | 88 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 242.270 | 3.1 | 88 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.888 | 2.2# | 92 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 46.134 | 7.7 | 86 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.320 | -0.6 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.778 | -3.6 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.372 | -0.7 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.051 | 1.9 | 91 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 215.466 | 13.8 | 77 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 247.299 | 1.1 | 88 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.226 | -0.5 | 94 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.792 | -5.6 | 96 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.190 | -0.4 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.030 | -0.1 | 101 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.789 | 0.4 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.563 | -9.1 | 98 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.429 | 1.1# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 100.832 | -0.8 | 94 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.993 | 0.0 | 95 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.025 | -4.0 | 96 | 0.00 |
| 71 | P | Bromoform | 50.000 | 54.252 | -8.5 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.065 | 3.9 | 96 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 45.983 | 8.0 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 47.507 | 5.0 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 45.593 | 8.8 | 93 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.361 | -0.7 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.380 | 3.2 | 93 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 46.103 | 7.8 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 47.642 | 4.7 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 39.990 | 20.0 | 84 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 47.540 | 4.9 | 95 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.903 | 0.2 | 98 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.168 | 1.7 | 95 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.496 | 3.0 | 95 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.920 | 0.2 | 97 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.117 | -2.2 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.842 | 0.3 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.337 | 3.3 | 93 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.321 | -2.6 | 96 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.824 | 0.4 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.766 | 6.5 | 90 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.853 | -9.7 | 106 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 55.678 | -11.4 | 114 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 49.679 | 0.6 | 95 | 0.00 |

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 54.300 | -8.6 | 107 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

# QC SAMPLE DATA

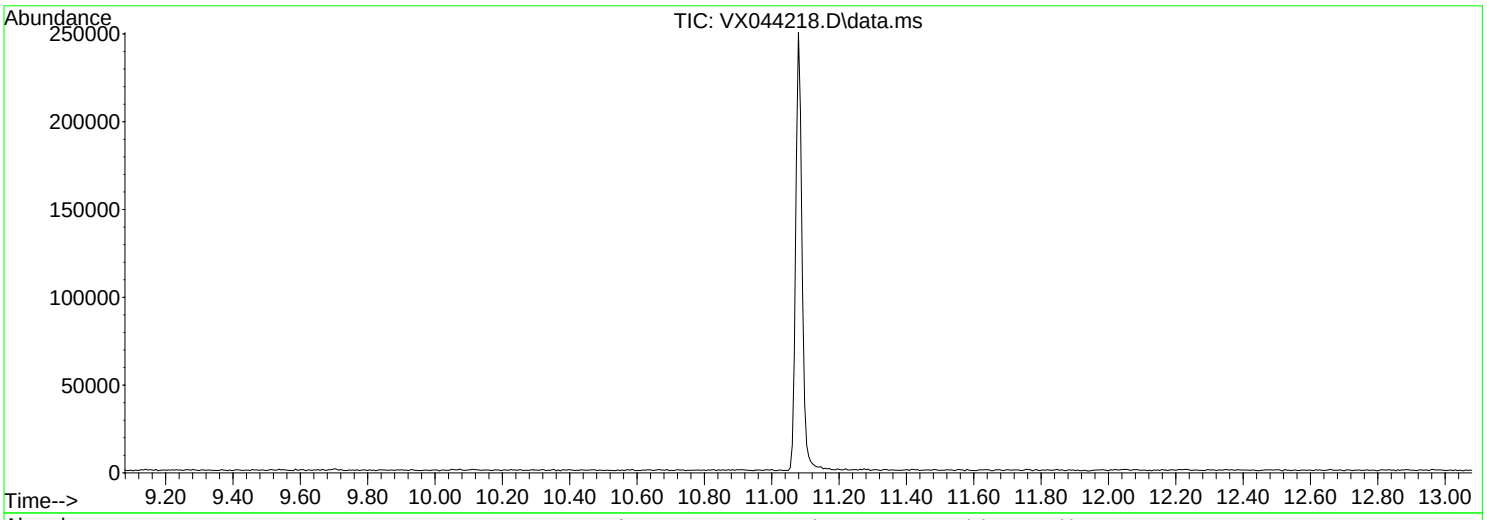
Sample Results: **VX044218.D**

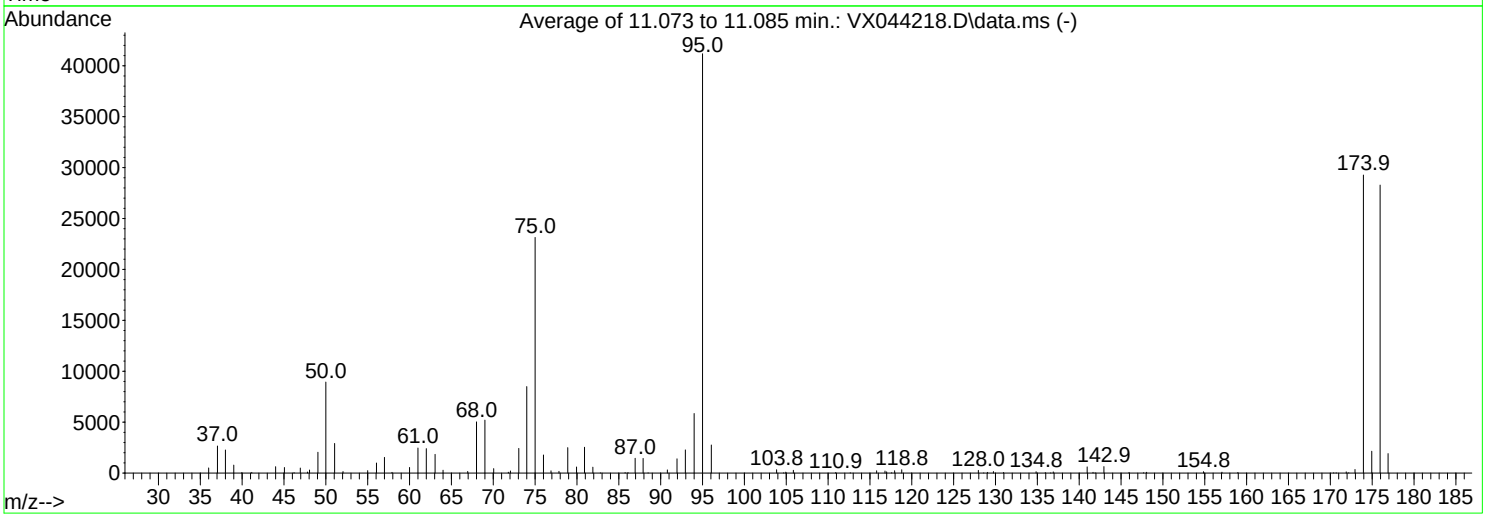
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044218.D
Acq On : 11 Dec 2024 10:13
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 21.7 | 8939 | PASS |
| 75 | 95 | 30 | 60 | 56.2 | 23141 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 41184 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 2759 | PASS |
| 173 | 174 | 0.00 | 2 | 1.2 | 353 | PASS |
| 174 | 95 | 50 | 100 | 71.1 | 29272 | PASS |
| 175 | 174 | 5 | 9 | 7.3 | 2147 | PASS |
| 176 | 174 | 95 | 101 | 96.6 | 28285 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 1915 | PASS |

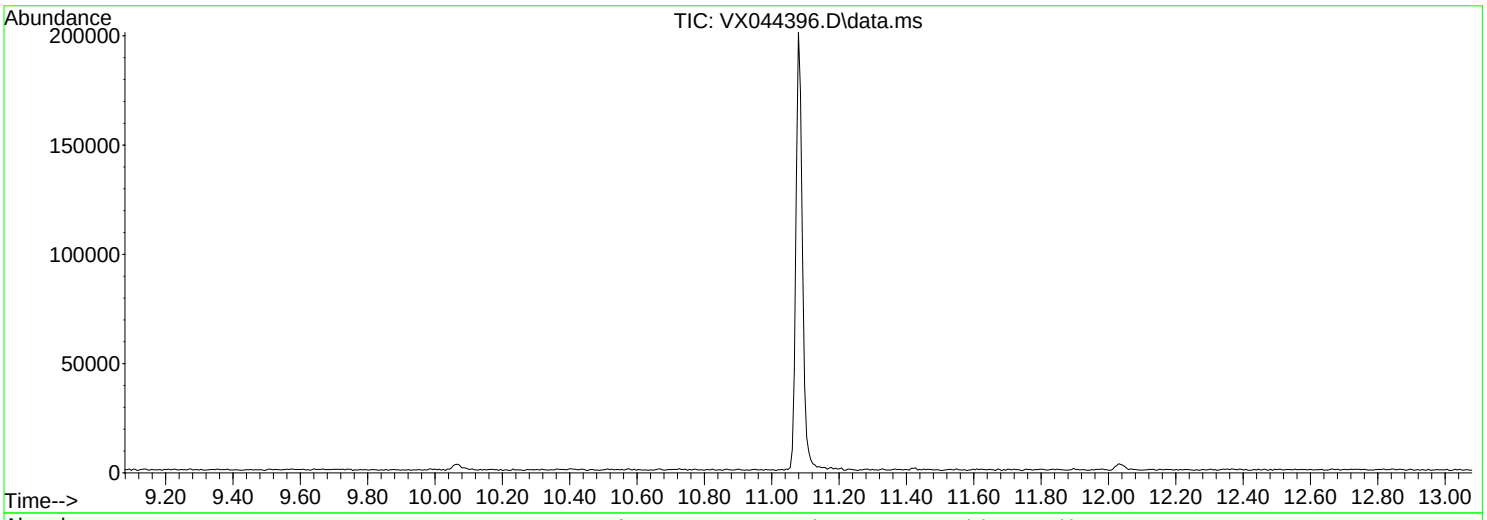
Sample Results: **VX044396.D**

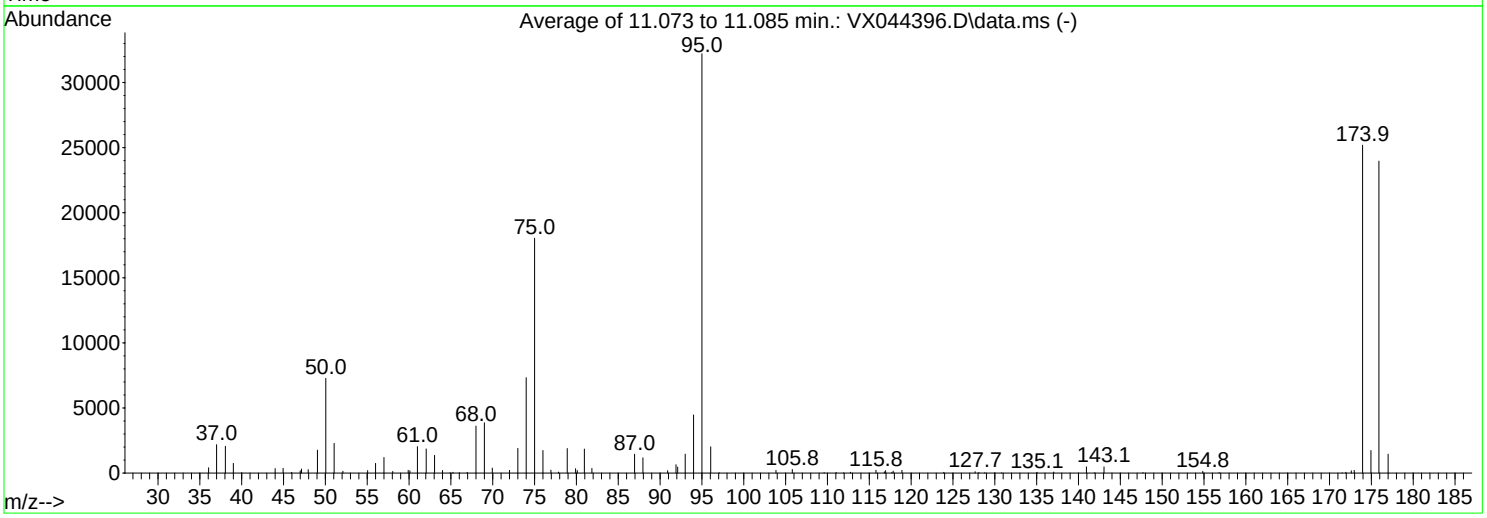
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044396.D
Acq On : 18 Dec 2024 21:02
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 22.6 | 7276 | PASS |
| 75 | 95 | 30 | 60 | 56.0 | 18037 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 32211 | PASS |
| 96 | 95 | 5 | 9 | 6.3 | 2019 | PASS |
| 173 | 174 | 0.00 | 2 | 0.8 | 212 | PASS |
| 174 | 95 | 50 | 100 | 78.2 | 25192 | PASS |
| 175 | 174 | 5 | 9 | 6.9 | 1737 | PASS |
| 176 | 174 | 95 | 101 | 95.1 | 23969 | PASS |
| 177 | 176 | 5 | 9 | 6.1 | 1454 | PASS |

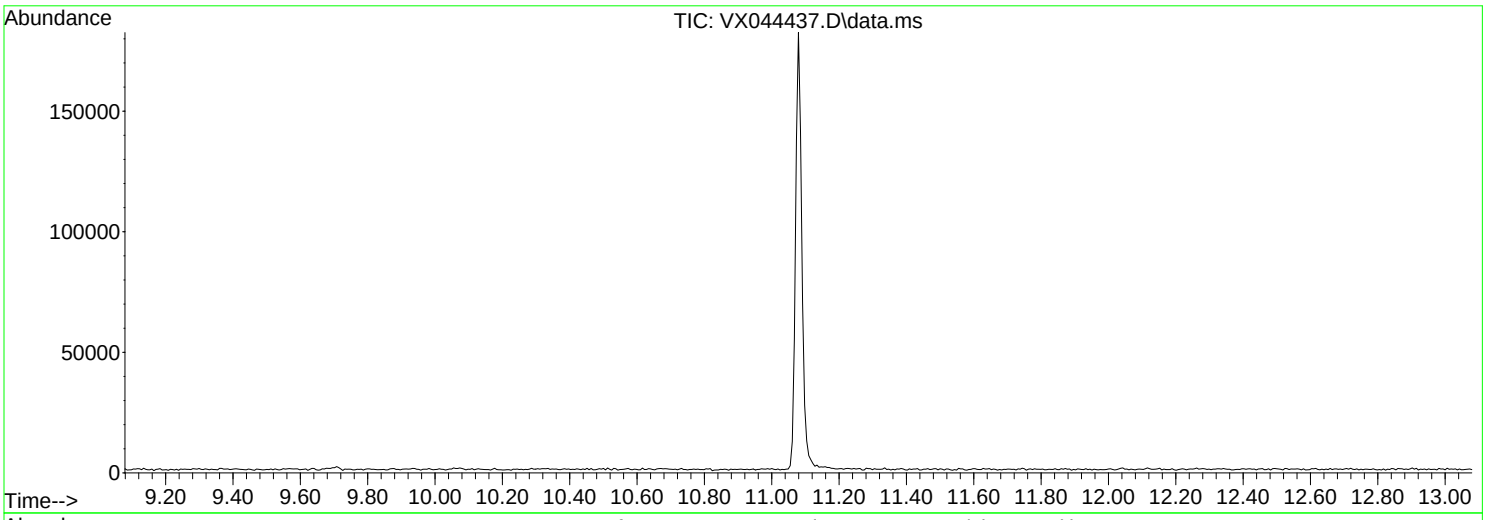
Sample Results: **VX044437.D**

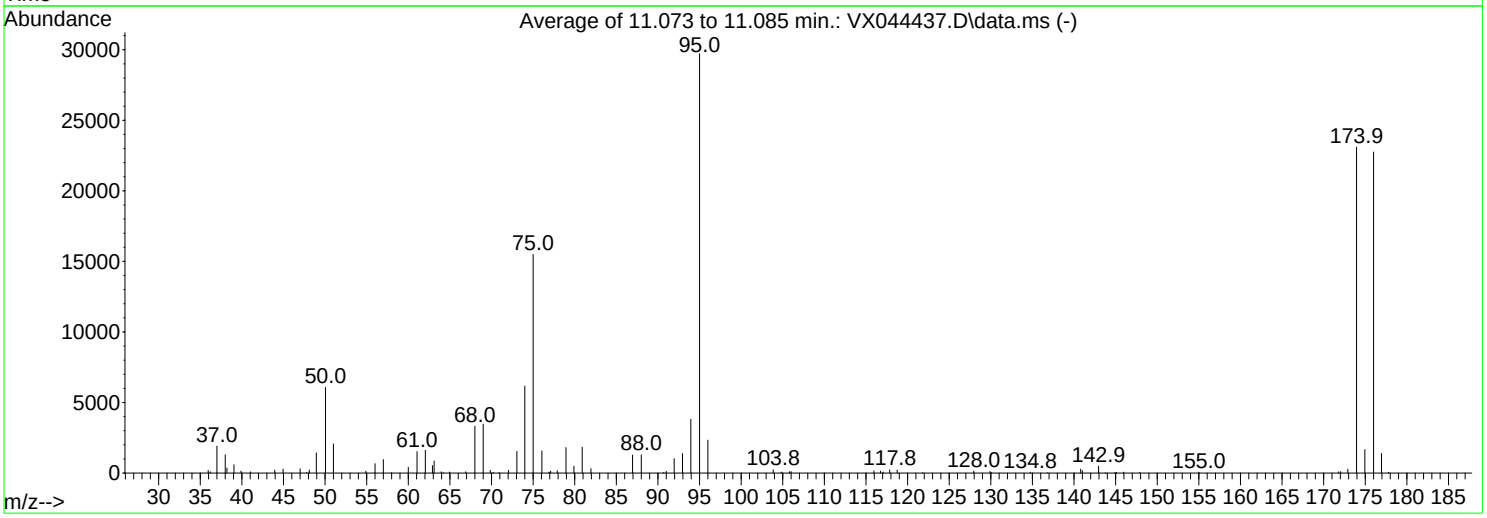
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044437.D
Acq On : 20 Dec 2024 08:49
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 20.4 | 6077 | PASS |
| 75 | 95 | 30 | 60 | 52.1 | 15496 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 29717 | PASS |
| 96 | 95 | 5 | 9 | 7.8 | 2332 | PASS |
| 173 | 174 | 0.00 | 2 | 1.2 | 275 | PASS |
| 174 | 95 | 50 | 100 | 77.7 | 23101 | PASS |
| 175 | 174 | 5 | 9 | 7.2 | 1663 | PASS |
| 176 | 174 | 95 | 101 | 98.5 | 22752 | PASS |
| 177 | 176 | 5 | 9 | 6.1 | 1389 | PASS |

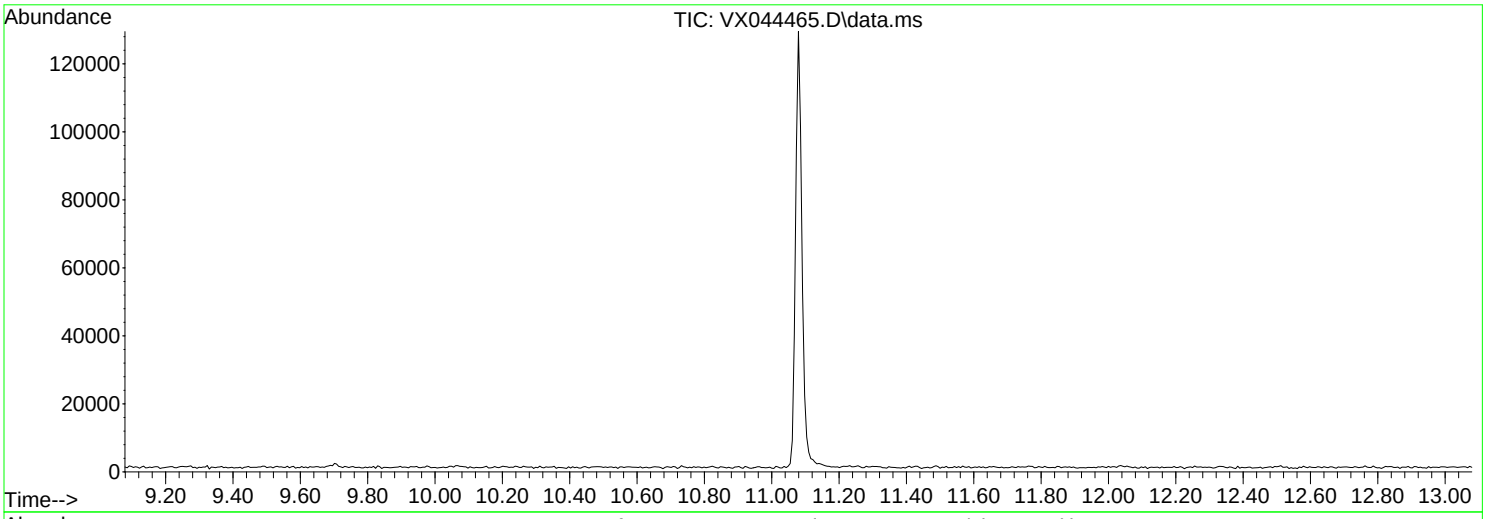
Sample Results: **VX044465.D**

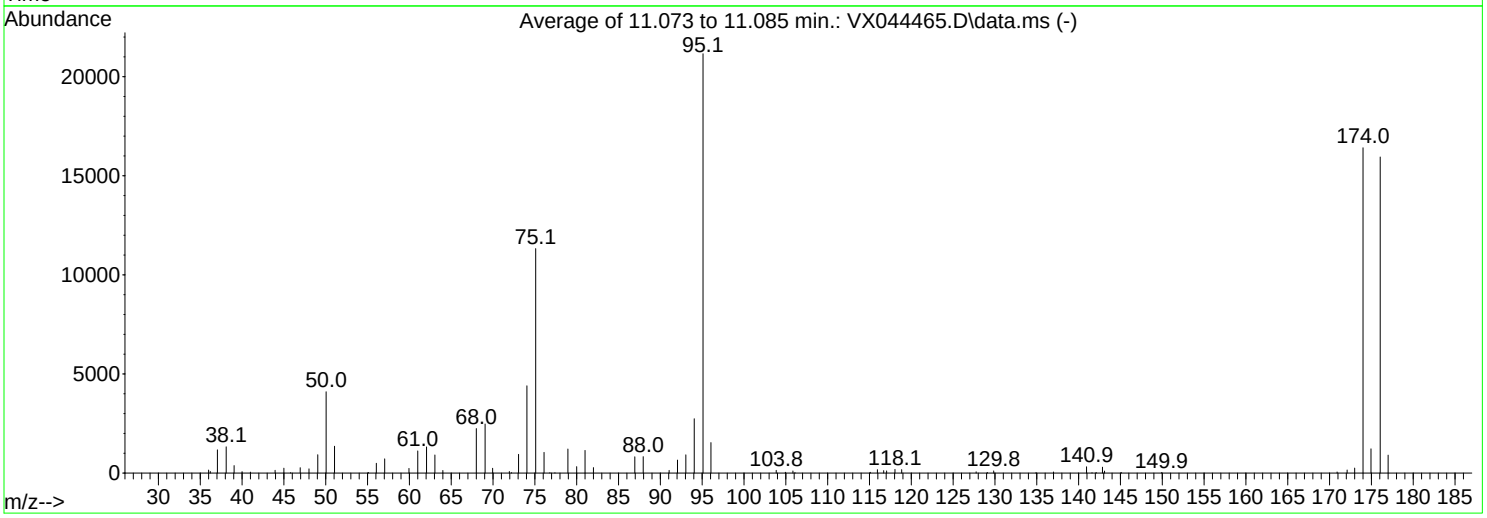
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044465.D
Acq On : 23 Dec 2024 08:19
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 19.4 | 4103 | PASS |
| 75 | 95 | 30 | 60 | 53.5 | 11324 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 21157 | PASS |
| 96 | 95 | 5 | 9 | 7.3 | 1537 | PASS |
| 173 | 174 | 0.00 | 2 | 1.5 | 252 | PASS |
| 174 | 95 | 50 | 100 | 77.6 | 16412 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 1224 | PASS |
| 176 | 174 | 95 | 101 | 97.2 | 15947 | PASS |
| 177 | 176 | 5 | 9 | 5.7 | 905 | PASS |

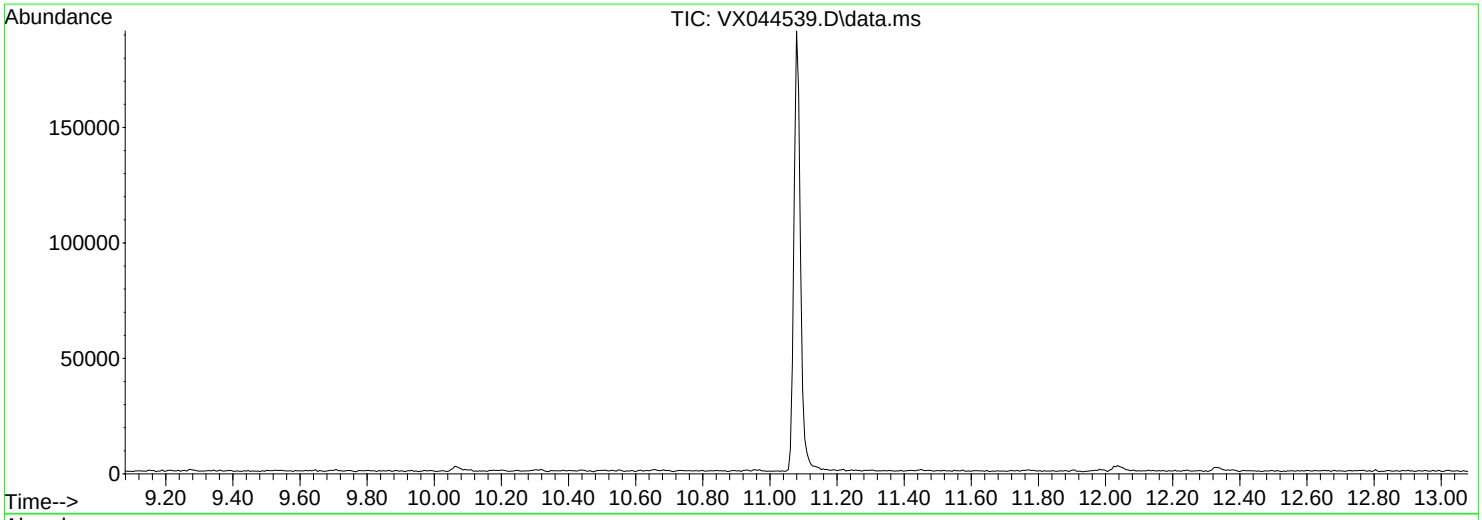
Sample Results: **VX044539.D**

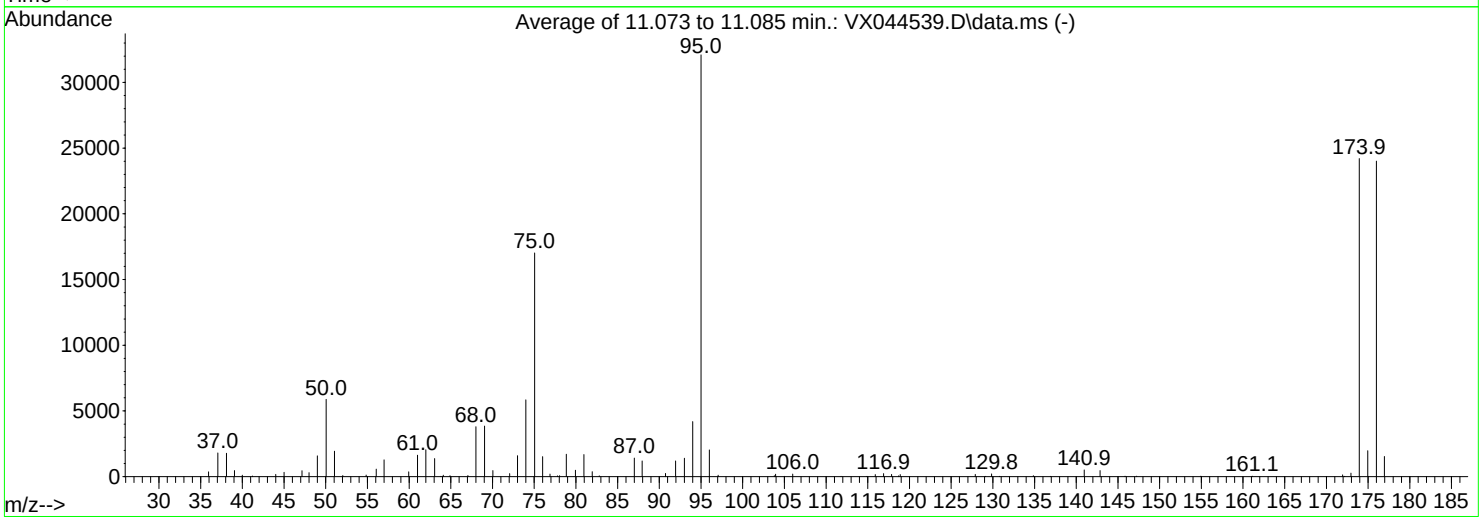
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044539.D
Acq On : 30 Dec 2024 12:39
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.3 | 5876 | PASS |
| 75 | 95 | 30 | 60 | 53.0 | 17024 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 32099 | PASS |
| 96 | 95 | 5 | 9 | 6.3 | 2033 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 271 | PASS |
| 174 | 95 | 50 | 100 | 75.4 | 24205 | PASS |
| 175 | 174 | 5 | 9 | 8.2 | 1978 | PASS |
| 176 | 174 | 95 | 101 | 99.2 | 24012 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 1533 | PASS |

Raw Data: **VX044398.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1218WBL02 | SDG No.: | P5317 |
| Lab Sample ID: | VX1218WBL02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044398.D | 1 | | 12/18/24 22:59 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044398.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1218WBL02 | SDG No.: | P5317 |
| Lab Sample ID: | VX1218WBL02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044398.D | 1 | | 12/18/24 22:59 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 43.6 | | 81 - 118 | | 87% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.3 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.9 | | 89 - 112 | | 104% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.2 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 115000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 207000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 183000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 77400 | 12.018 | | | | |

Raw Data: **VX044398.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1218WBL02 | SDG No.: | P5317 |
| Lab Sample ID: | VX1218WBL02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044398.D | 1 | | 12/18/24 22:59 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044398.D
Acq On : 18 Dec 2024 22:59
Operator : JC/MD
Sample : VX1218WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBL02

Quant Time: Dec 19 00:55:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

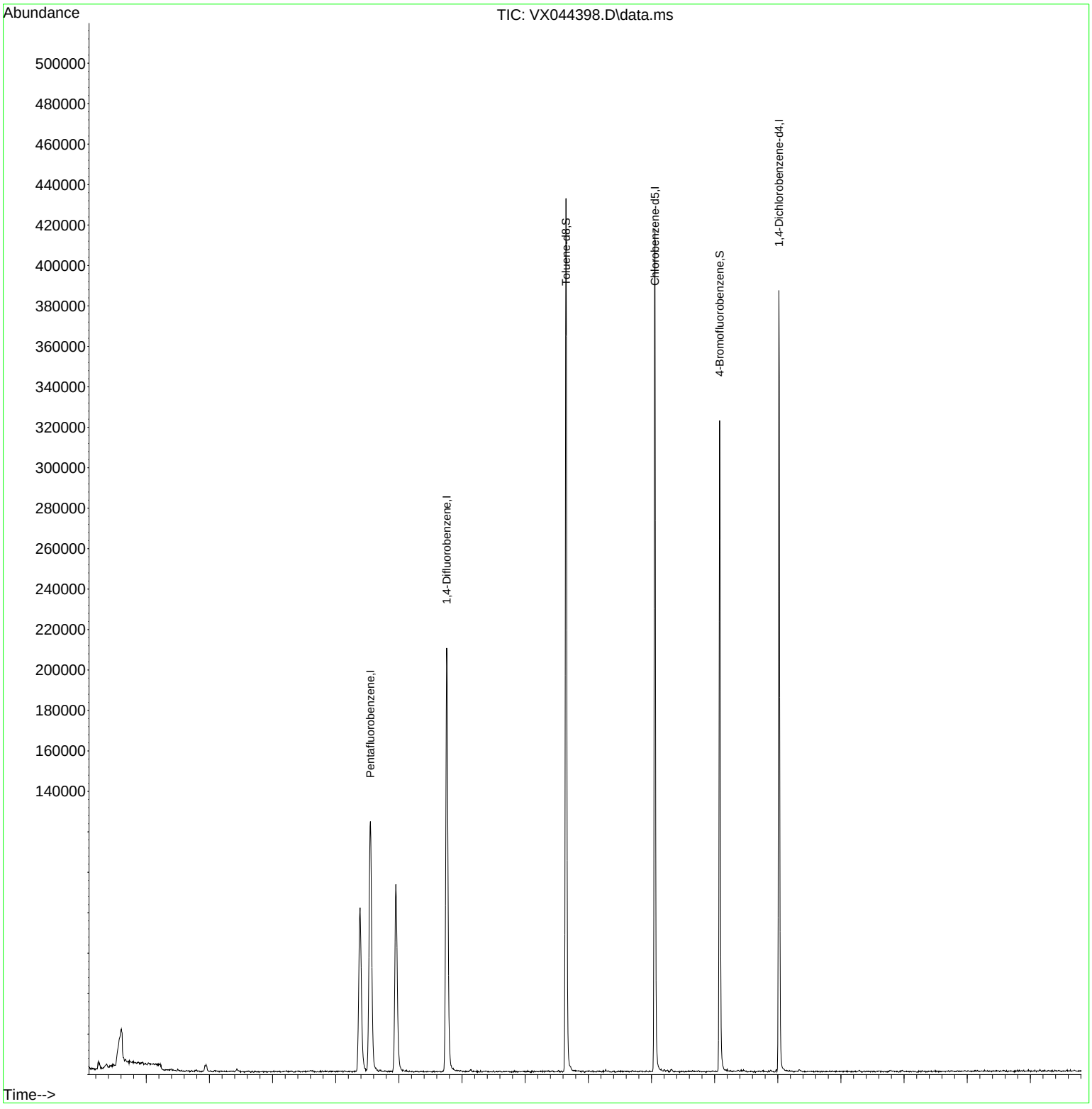
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 114674 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 206506 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 183436 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 77360 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 87580 | 43.559 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 87.120% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 69034 | 48.267 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.540% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 250627 | 51.941 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.880% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 81340 | 48.243 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.480% | | | |
| Target Compounds | | | | | | Qvalue |

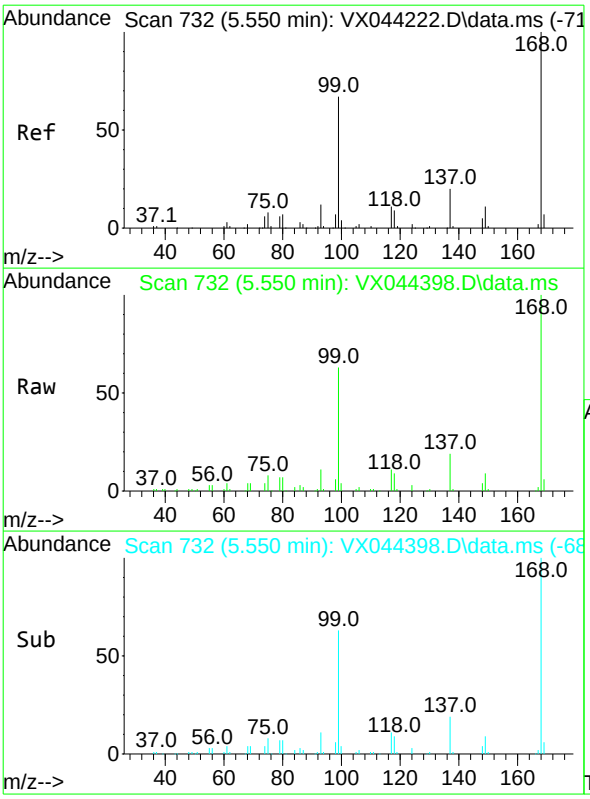
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044398.D
Acq On : 18 Dec 2024 22:59
Operator : JC/MD
Sample : VX1218WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBL02

Quant Time: Dec 19 00:55:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



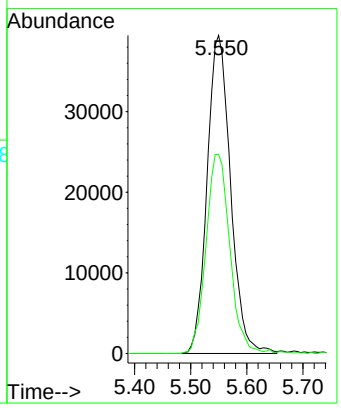


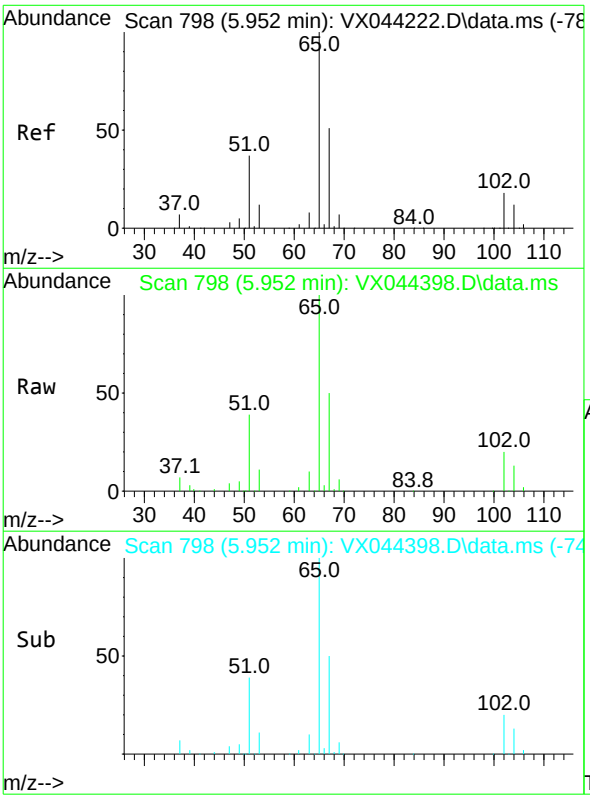

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044398.D
Acq: 18 Dec 2024 22:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBL02

Tgt Ion:168 Resp: 114674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.6 | 53.4 | 80.0 |

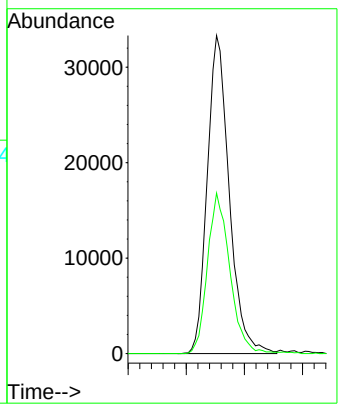


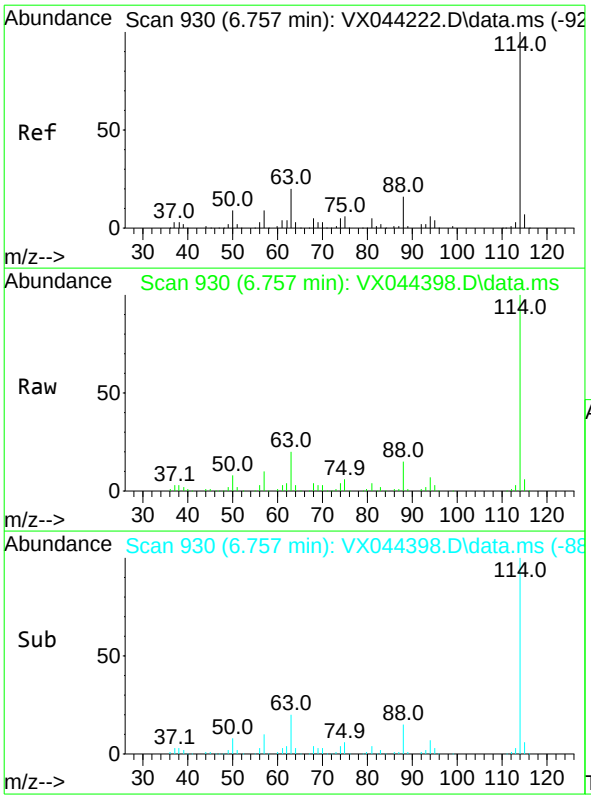




#33
1,2-Dichloroethane-d4
Concen: 43.559 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044398.D
Acq: 18 Dec 2024 22:59

Tgt Ion: 65 Resp: 87580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 101.6 |



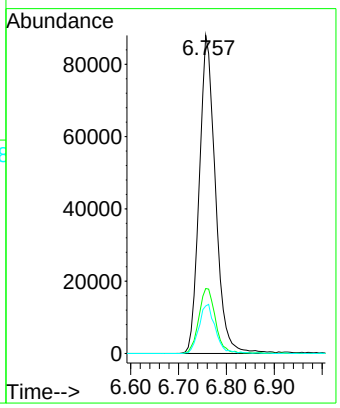


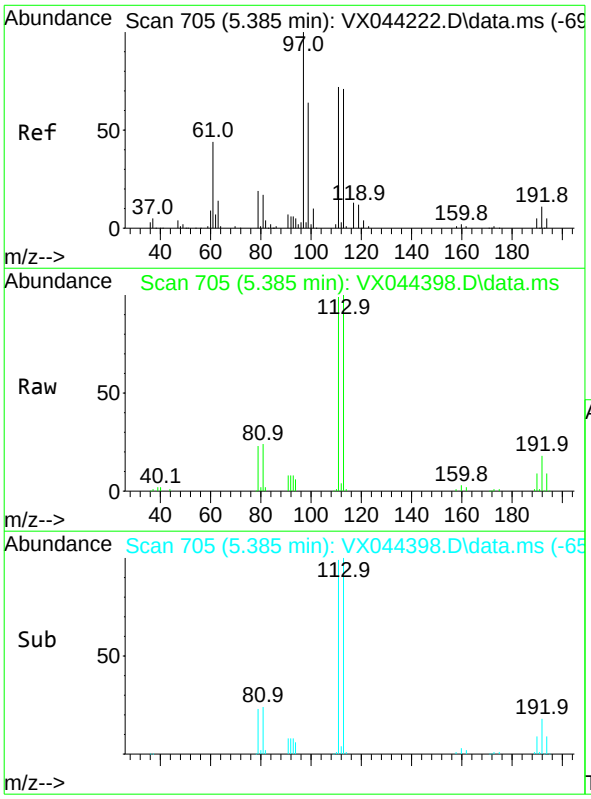

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044398.D
Acq: 18 Dec 2024 22:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBL02

Tgt Ion:114 Resp: 206506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 40.6 |
| 88 | 14.9 | 0.0 | 31.8 |

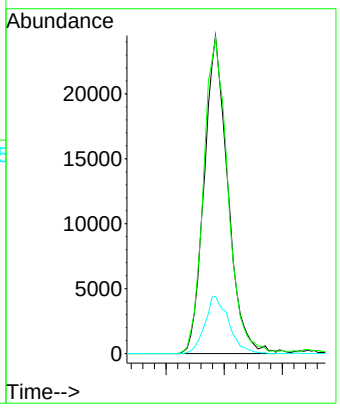


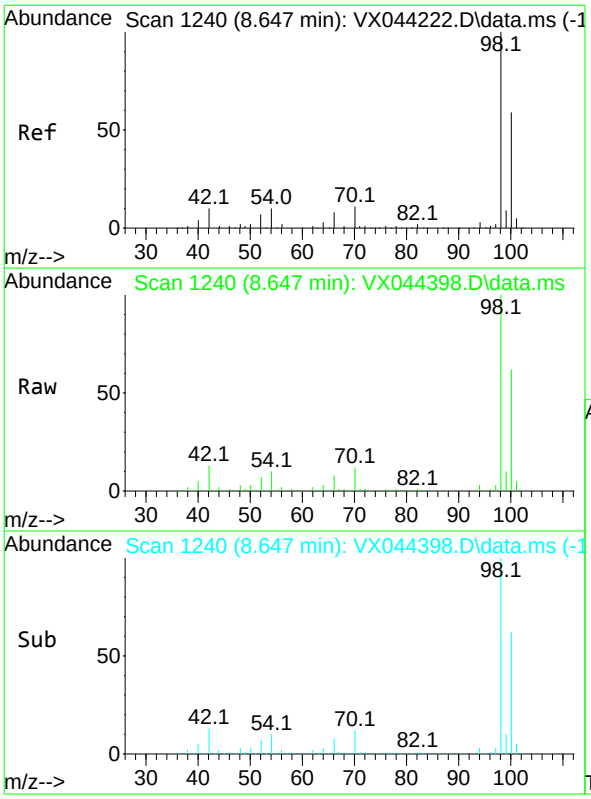




#35
Dibromofluoromethane
Concen: 48.267 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044398.D
Acq: 18 Dec 2024 22:59

Tgt Ion:113 Resp: 69034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 80.4 | 120.6 |
| 192 | 18.2 | 13.3 | 19.9 |



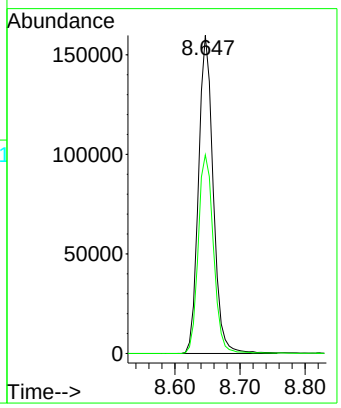


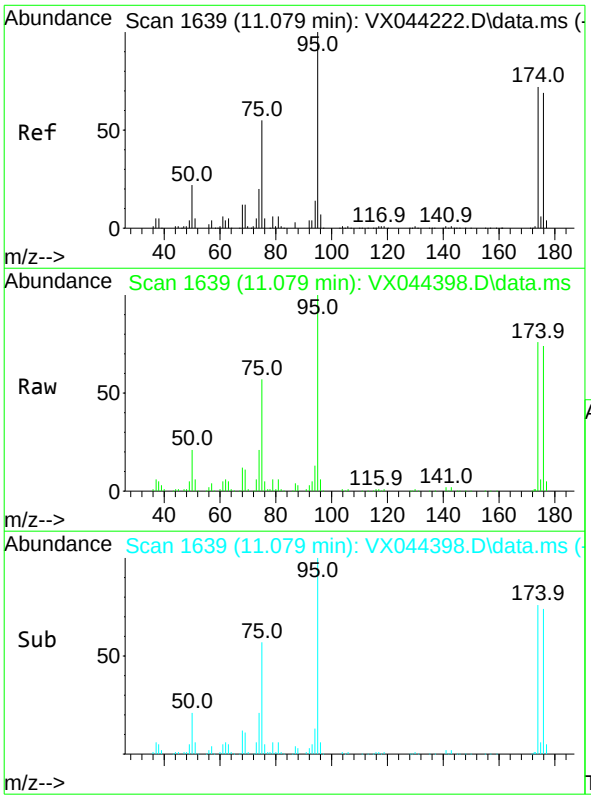

#50
Toluene-d8
Concen: 51.941 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044398.D
Acq: 18 Dec 2024 22:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBL02

Tgt Ion: 98 Resp: 250627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 51.5 | 77.3 |

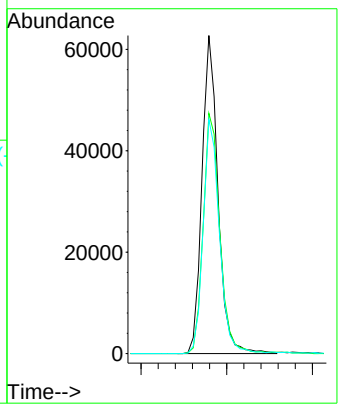


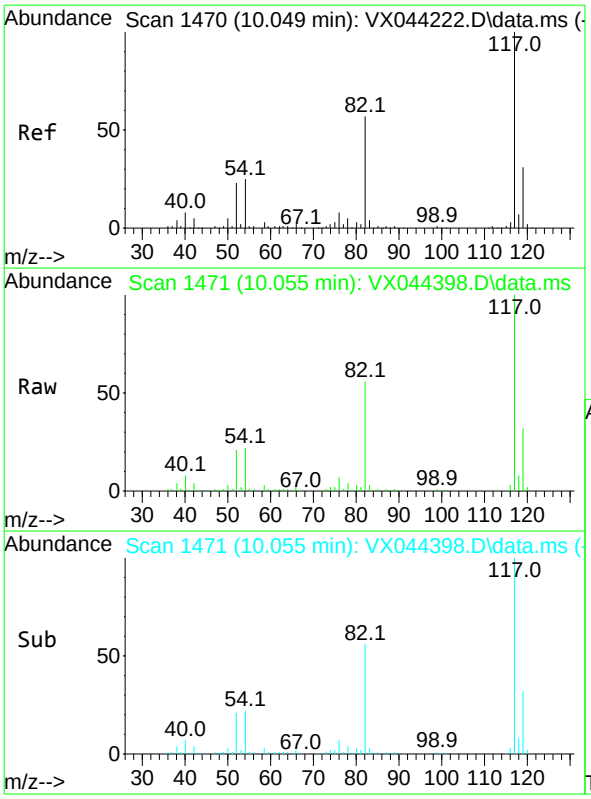




#62
4-Bromofluorobenzene
Concen: 48.243 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044398.D
Acq: 18 Dec 2024 22:59

Tgt Ion: 95 Resp: 81340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.8 | 0.0 | 145.8 |
| 176 | 74.6 | 0.0 | 137.8 |



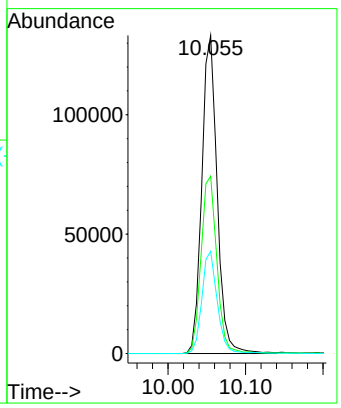


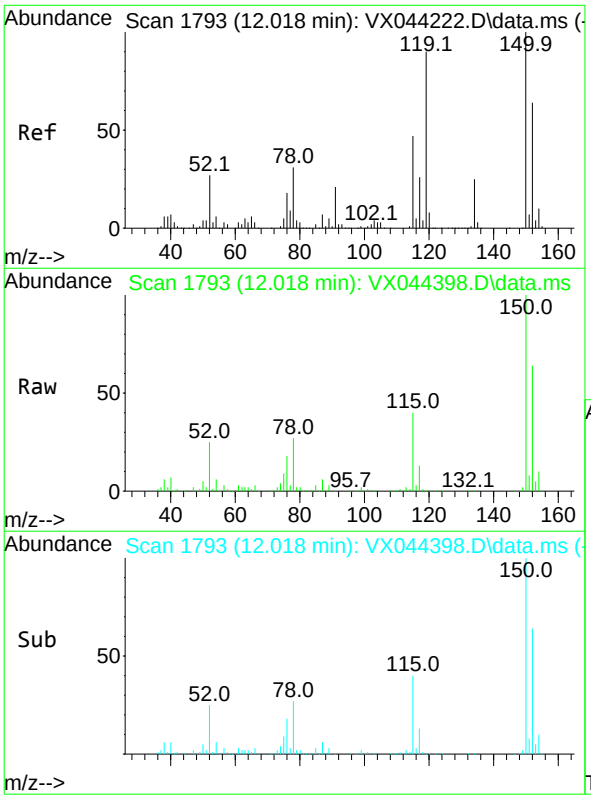

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044398.D
Acq: 18 Dec 2024 22:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBL02

Tgt Ion:117 Resp: 183436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.8 | 45.8 | 68.8 |
| 119 | 32.1 | 25.0 | 37.4 |

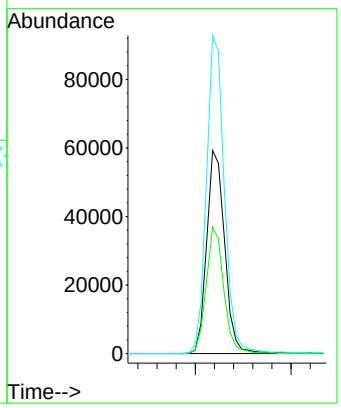



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044398.D
Acq: 18 Dec 2024 22:59

Tgt Ion:152 Resp: 77360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.2 | 44.5 | 133.3 |
| 150 | 157.1 | 0.0 | 353.8 |



Raw Data: **VX044440.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1220WBL01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1220WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044440.D | 1 | | 12/20/24 10:23 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044440.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1220WBL01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1220WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044440.D | 1 | | 12/20/24 10:23 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.1 | | 81 - 118 | | 88% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.5 | | 80 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.1 | | 89 - 112 | | 104% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.4 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 121000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 218000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 194000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 81000 | 12.018 | | | | |

Raw Data: **VX044440.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1220WBL01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1220WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044440.D | 1 | | 12/20/24 10:23 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044440.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044440.D
Acq On : 20 Dec 2024 10:23
Operator : JC/MD
Sample : VX1220WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBL01

Quant Time: Dec 20 22:20:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 120864 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 218417 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 193836 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 81005 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 93379 | 44.065 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 88.120% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 71852 | 47.498 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.000% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 265638 | 52.050 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 104.100% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 86300 | 48.393 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.780% | | | |

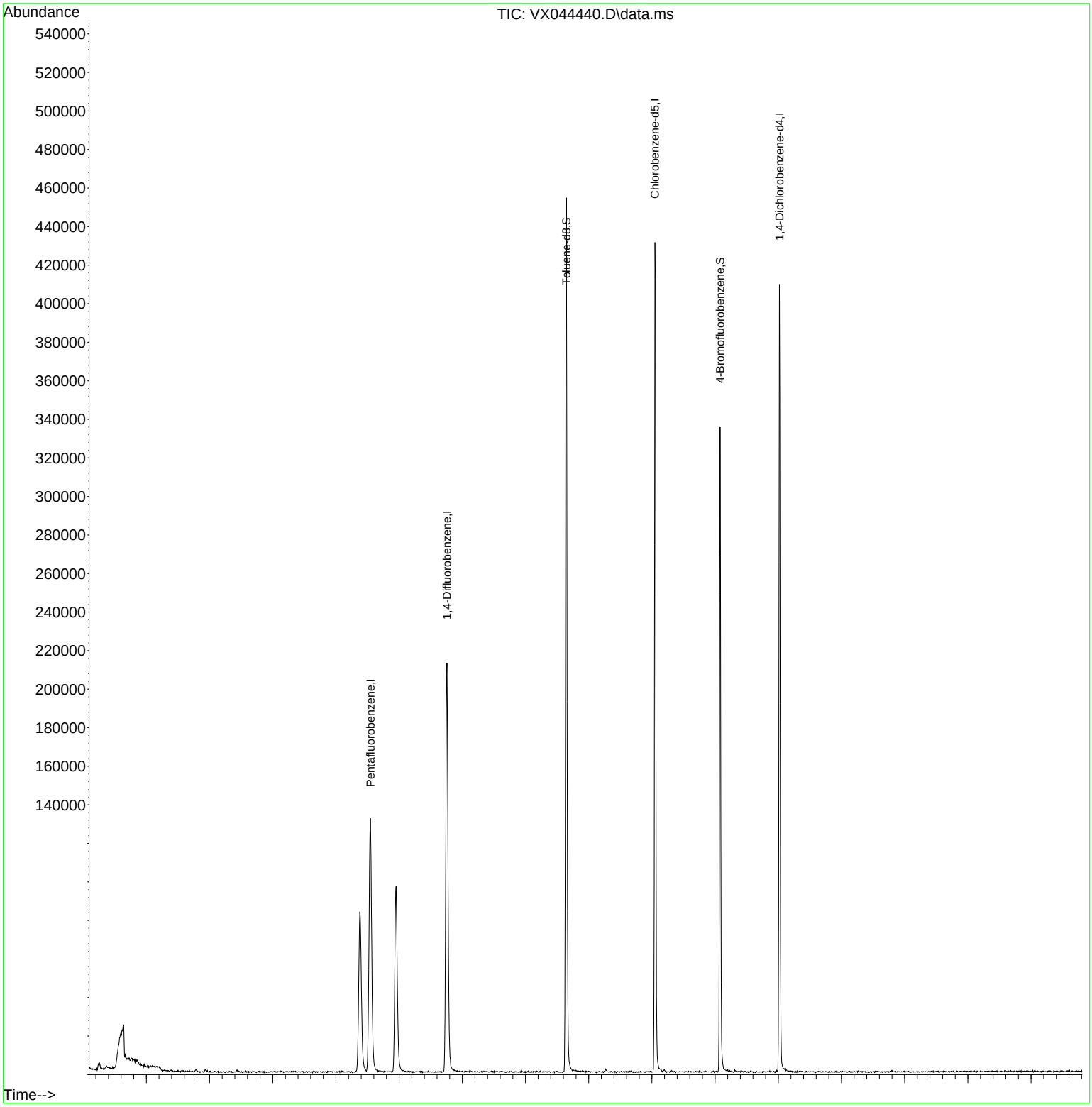
Target Compounds Qvalue

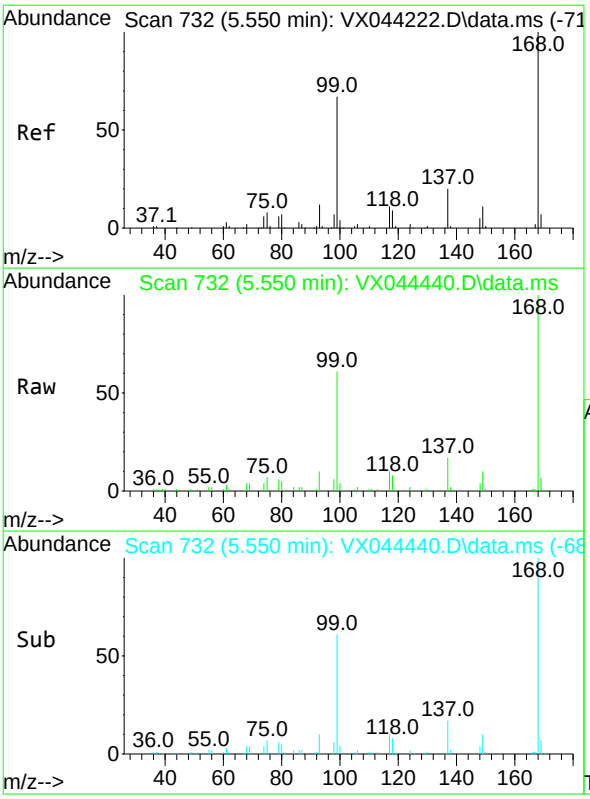
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044440.D
Acq On : 20 Dec 2024 10:23
Operator : JC/MD
Sample : VX1220WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBL01

Quant Time: Dec 20 22:20:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



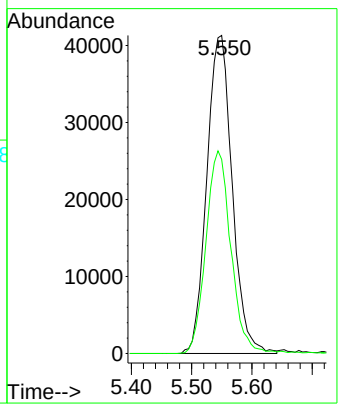


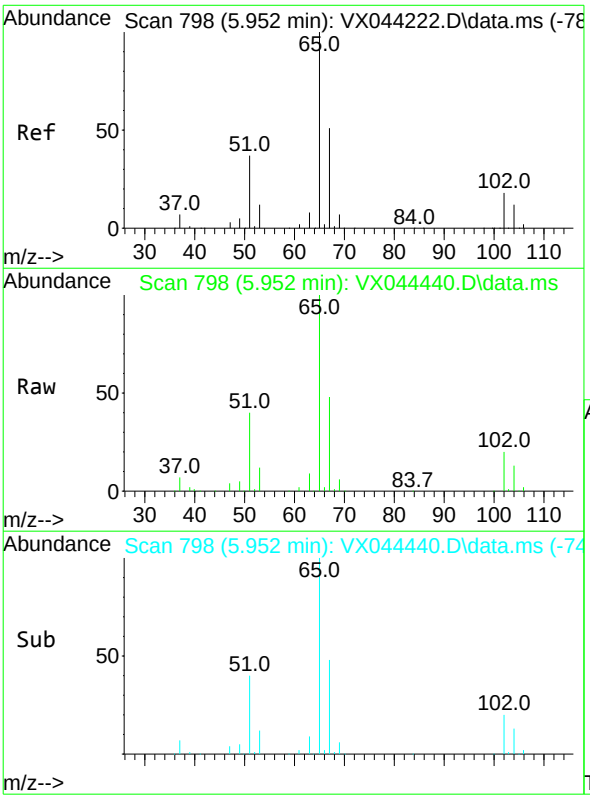

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044440.D
Acq: 20 Dec 2024 10:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBL01

Tgt Ion:168 Resp: 120864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.0 | 53.4 | 80.0 |

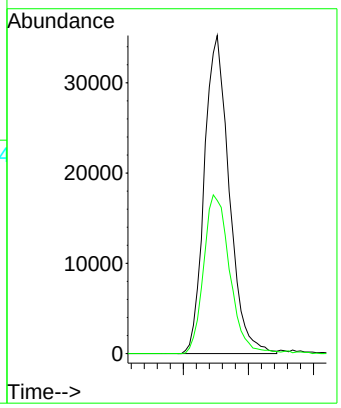


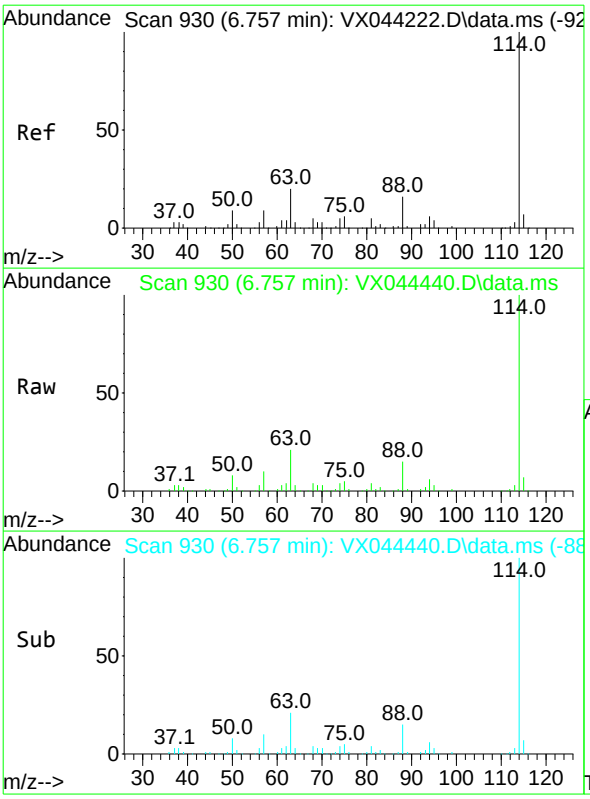




#33
1,2-Dichloroethane-d4
Concen: 44.065 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044440.D
Acq: 20 Dec 2024 10:23

Tgt Ion: 65 Resp: 93379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 101.6 |



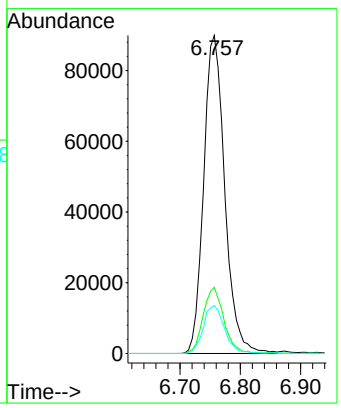


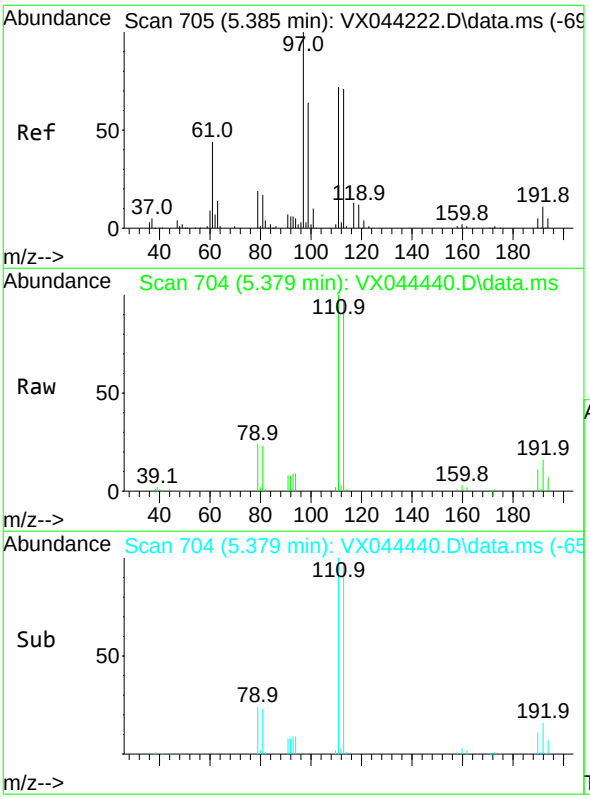

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044440.D
Acq: 20 Dec 2024 10:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBL01

Tgt Ion:114 Resp: 218417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 40.6 |
| 88 | 15.1 | 0.0 | 31.8 |

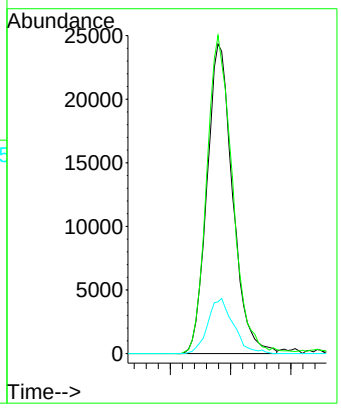


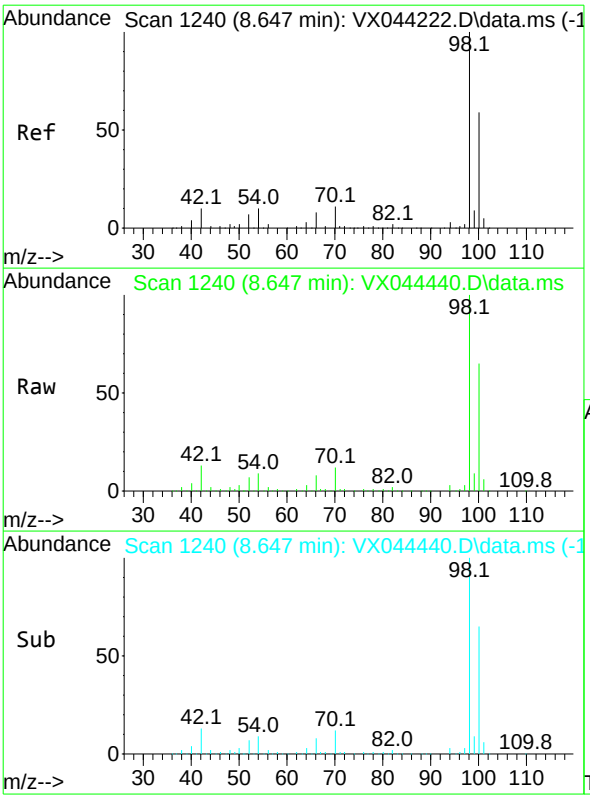




#35
Dibromofluoromethane
Concen: 47.498 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044440.D
Acq: 20 Dec 2024 10:23

Tgt Ion:113 Resp: 71852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 80.4 | 120.6 |
| 192 | 17.8 | 13.3 | 19.9 |



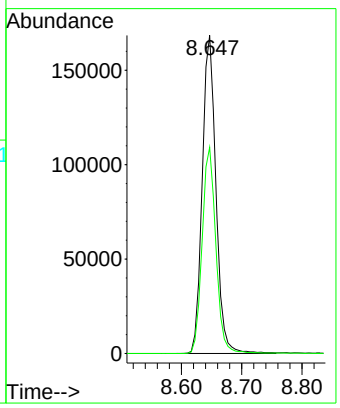


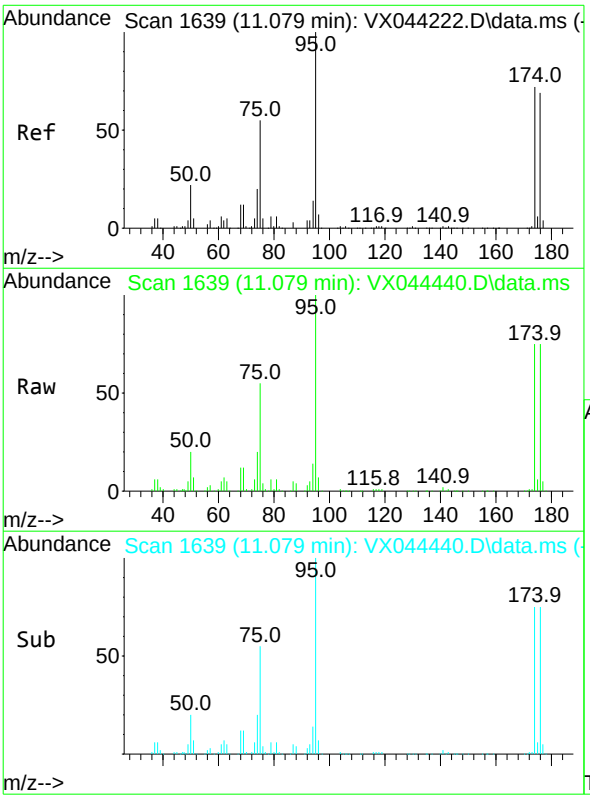

#50
Toluene-d8
Concen: 52.050 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044440.D
Acq: 20 Dec 2024 10:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBL01

Tgt Ion: 98 Resp: 265638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 51.5 | 77.3 |

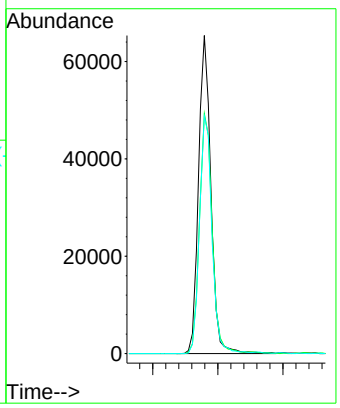


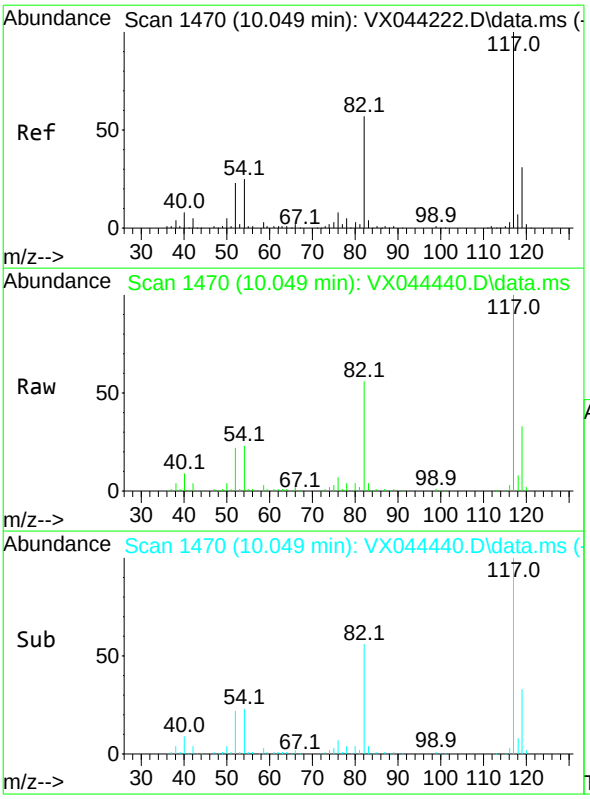




#62
4-Bromofluorobenzene
Concen: 48.393 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044440.D
Acq: 20 Dec 2024 10:23

Tgt Ion: 95 Resp: 86300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.9 | 0.0 | 145.8 |
| 176 | 75.4 | 0.0 | 137.8 |



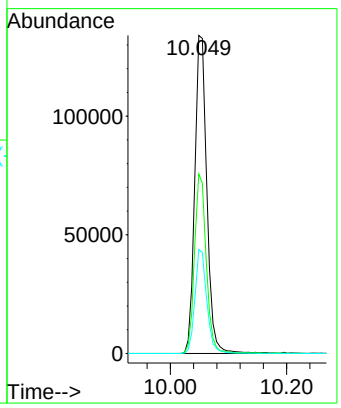


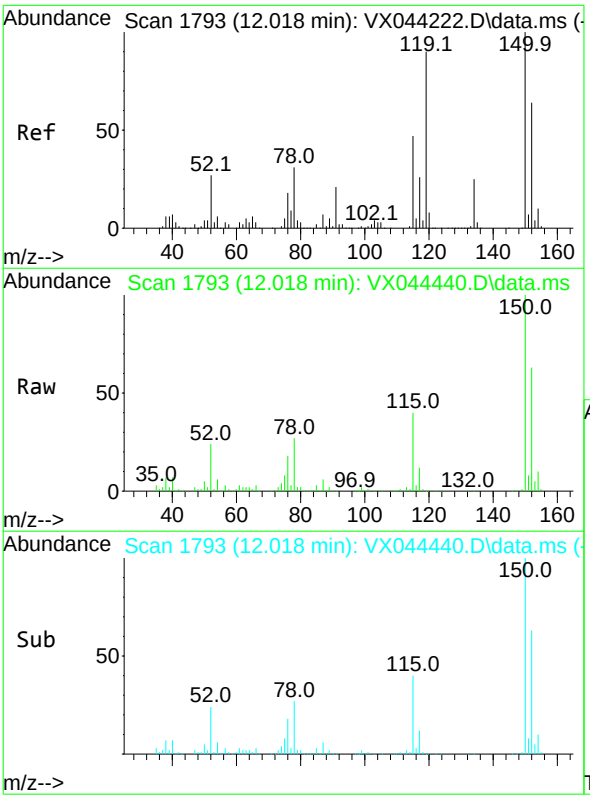

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044440.D
Acq: 20 Dec 2024 10:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBL01

Tgt Ion:117 Resp: 193836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 45.8 | 68.8 |
| 119 | 32.7 | 25.0 | 37.4 |

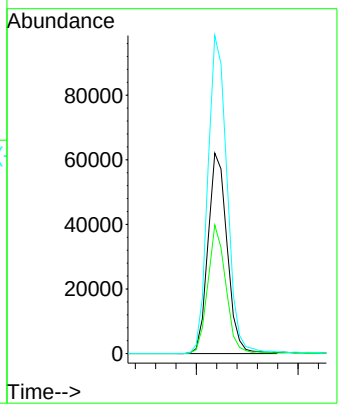



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044440.D
Acq: 20 Dec 2024 10:23

Tgt Ion:152 Resp: 81005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.9 | 44.5 | 133.3 |
| 150 | 161.2 | 0.0 | 353.8 |



Raw Data: **VX044468.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1223WBL01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1223WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044468.D | 1 | | 12/23/24 09:46 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044468.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1223WBL01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1223WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044468.D | 1 | | 12/23/24 09:46 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 41.8 | | 81 - 118 | | 84% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.7 | | 80 - 119 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.2 | | 89 - 112 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.8 | | 85 - 114 | | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 154000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 275000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 236000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 97800 | 12.018 | | | | |

Raw Data: **VX044468.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1223WBL01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1223WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044468.D | 1 | | 12/23/24 09:46 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044468.D
Acq On : 23 Dec 2024 09:46
Operator : JC/MD
Sample : VX1223WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBL01

Quant Time: Dec 23 21:52:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

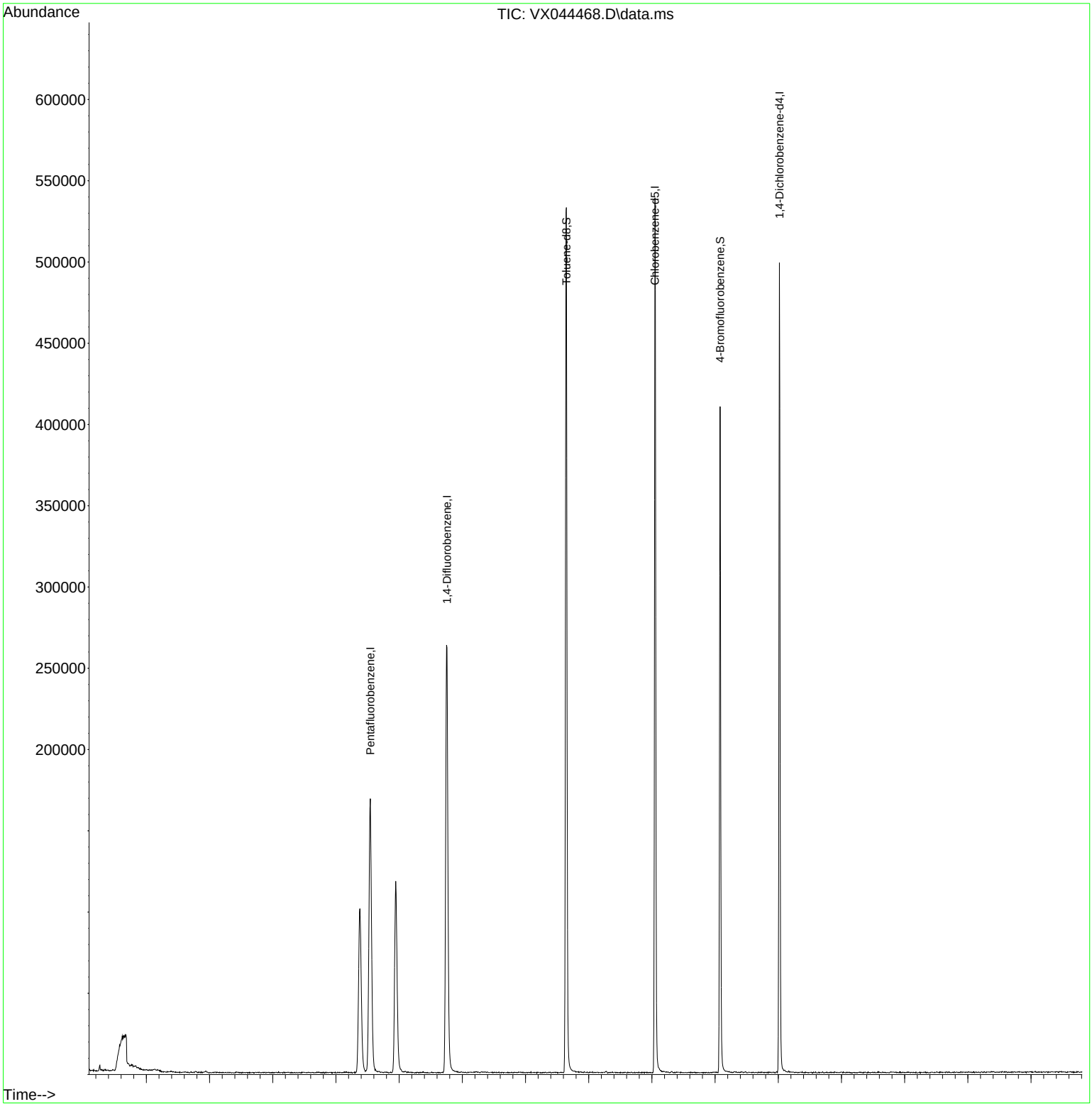
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 153955 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 275095 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 235868 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 97837 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 112940 | 41.840 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 83.680% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 88948 | 46.685 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.360% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 329117 | 51.201 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.400% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 102939 | 45.831 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 91.660% | | | |
| Target Compounds | | | | | | Qvalue |

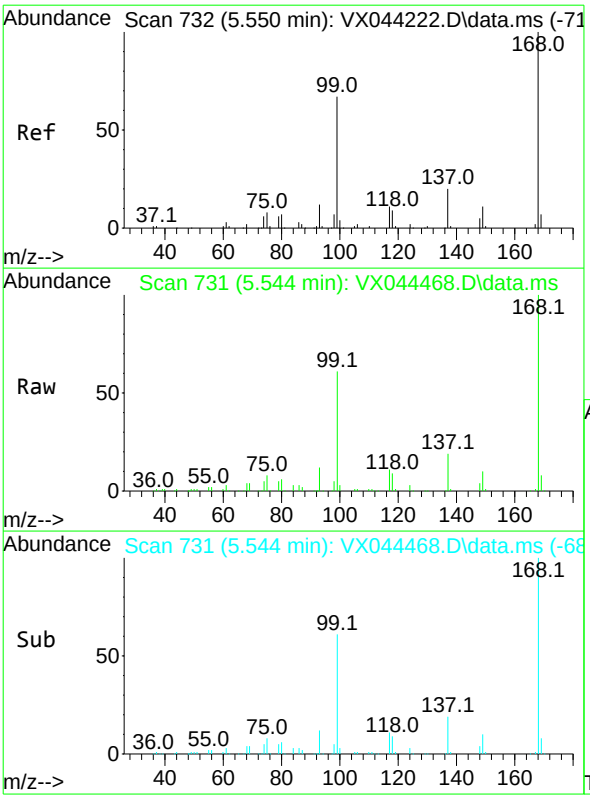
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044468.D
Acq On : 23 Dec 2024 09:46
Operator : JC/MD
Sample : VX1223WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBL01

Quant Time: Dec 23 21:52:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



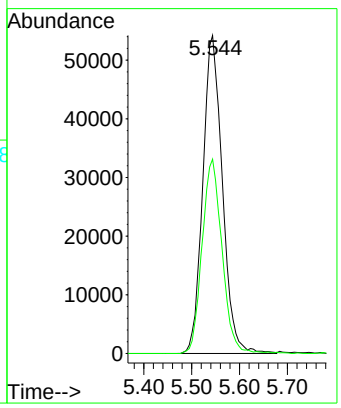


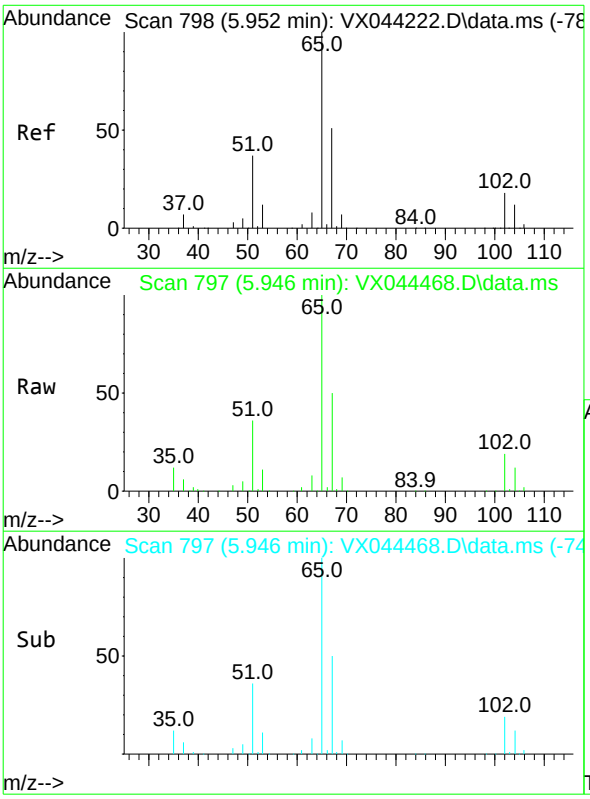

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044468.D
Acq: 23 Dec 2024 09:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBL01

Tgt Ion:168 Resp: 153955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.1 | 53.4 | 80.0 |

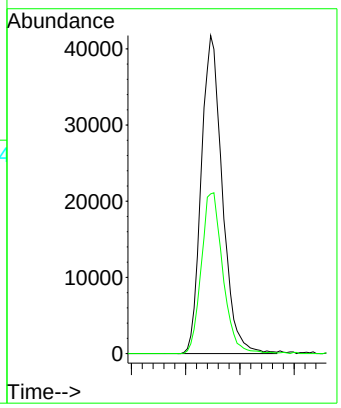


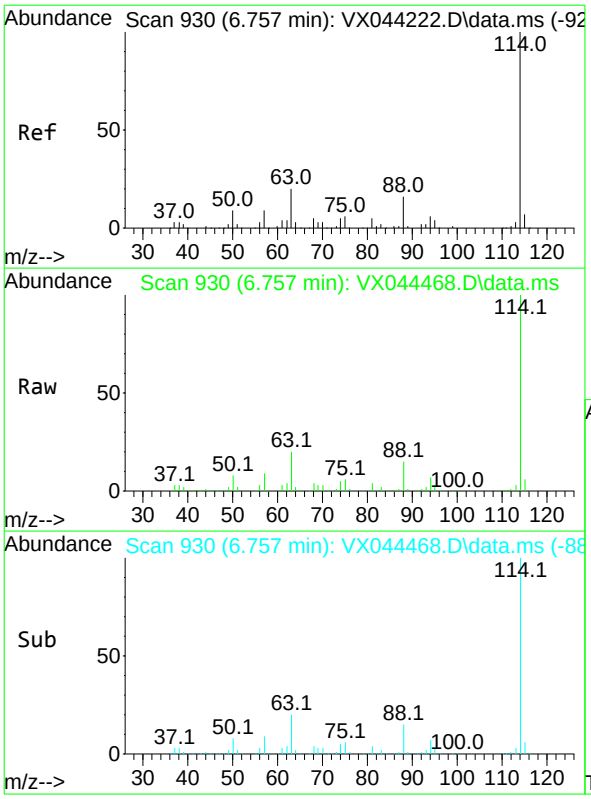




#33
1,2-Dichloroethane-d4
Concen: 41.840 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044468.D
Acq: 23 Dec 2024 09:46

Tgt Ion: 65 Resp: 112940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 101.6 |



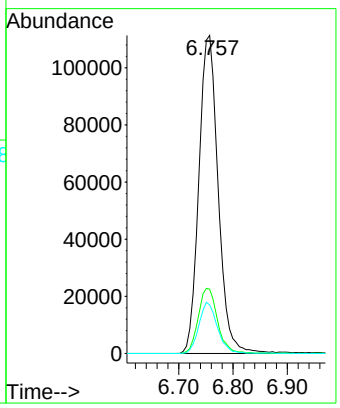


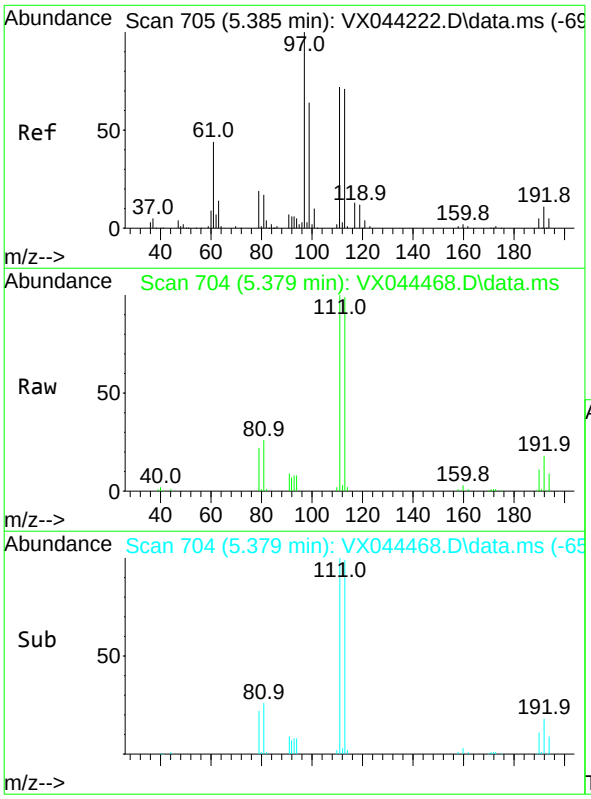

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044468.D
Acq: 23 Dec 2024 09:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBL01

Tgt Ion:114 Resp: 275095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 40.6 |
| 88 | 15.3 | 0.0 | 31.8 |

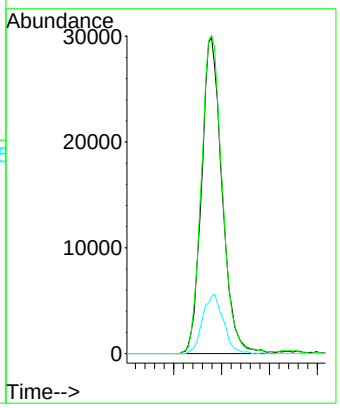


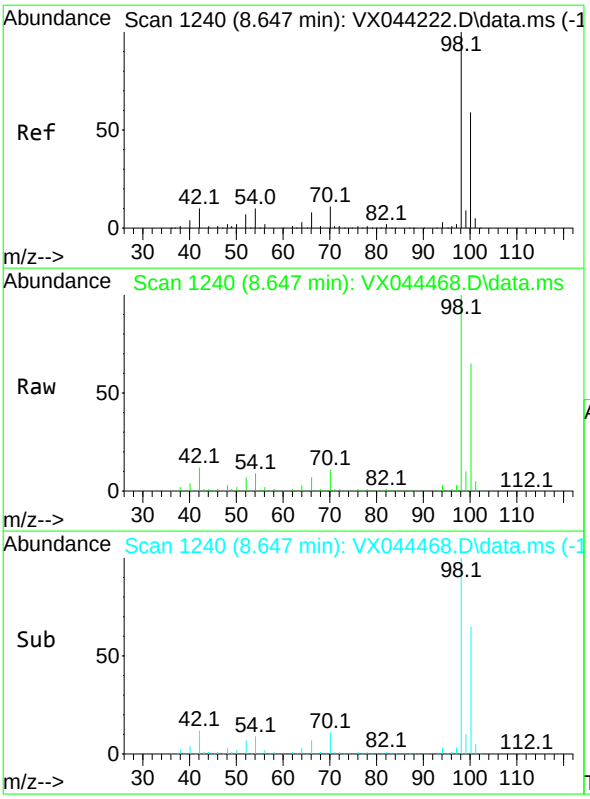




#35
Dibromofluoromethane
Concen: 46.685 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044468.D
Acq: 23 Dec 2024 09:46

Tgt Ion:113 Resp: 88948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 80.4 | 120.6 |
| 192 | 19.0 | 13.3 | 19.9 |



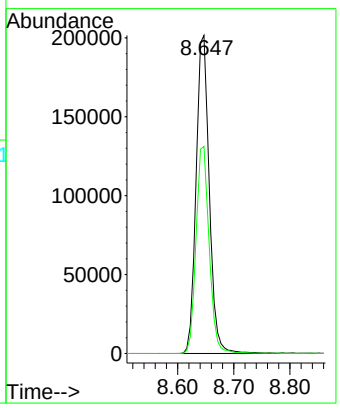


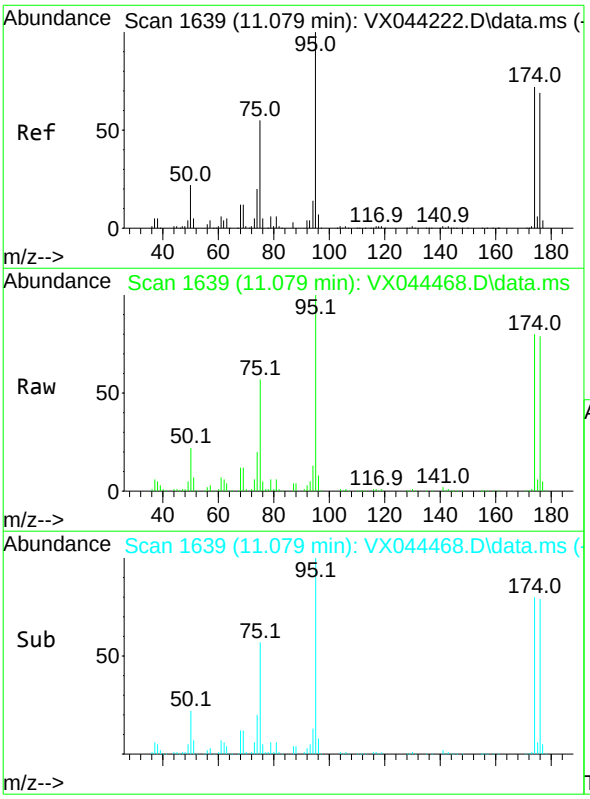

#50
Toluene-d8
Concen: 51.201 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044468.D
Acq: 23 Dec 2024 09:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBL01

Tgt Ion: 98 Resp: 329117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 51.5 | 77.3 |

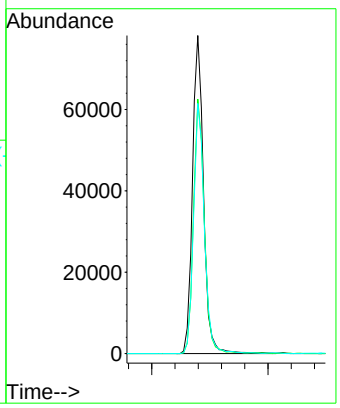


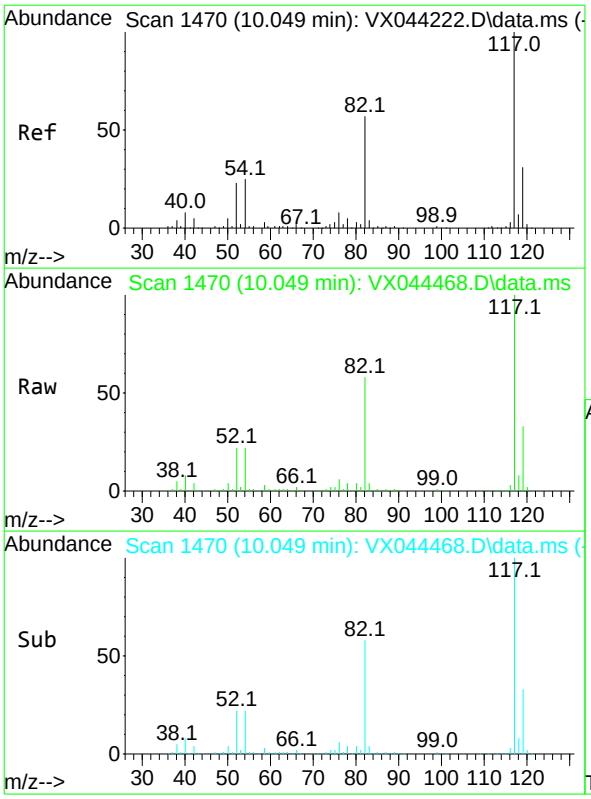




#62
4-Bromofluorobenzene
Concen: 45.831 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044468.D
Acq: 23 Dec 2024 09:46

Tgt Ion: 95 Resp: 102939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.2 | 0.0 | 145.8 |
| 176 | 77.2 | 0.0 | 137.8 |



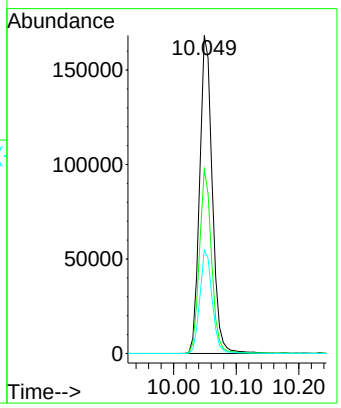


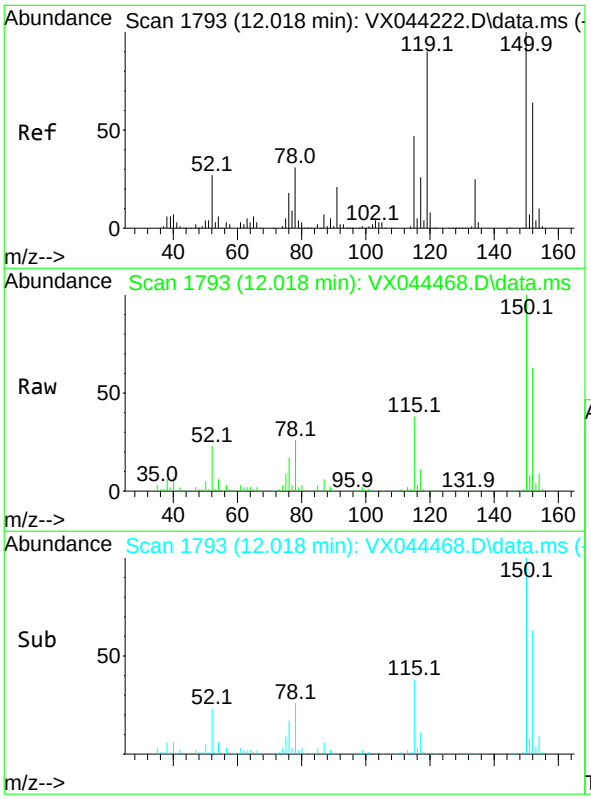

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044468.D
Acq: 23 Dec 2024 09:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBL01

Tgt Ion:117 Resp: 235868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.9 | 45.8 | 68.8 |
| 119 | 32.5 | 25.0 | 37.4 |

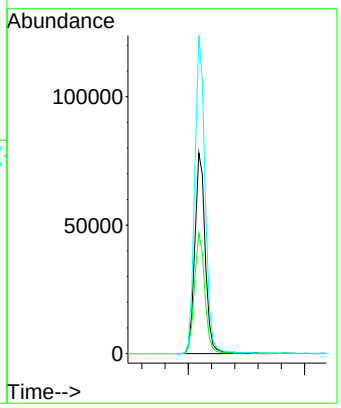



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044468.D
Acq: 23 Dec 2024 09:46

Tgt Ion:152 Resp: 97837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.0 | 44.5 | 133.3 |
| 150 | 156.6 | 0.0 | 353.8 |



Raw Data: **VX044542.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1231WBL01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1231WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044542.D | 1 | | 12/30/24 14:26 | VX123124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044542.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1231WBL01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1231WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044542.D | 1 | | 12/30/24 14:26 | VX123124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.7 | | 81 - 118 | | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.4 | | 80 - 119 | | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 55.2 | | 89 - 112 | | 110% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.8 | | 85 - 114 | | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 117000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 201000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 173000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 71700 | 12.018 | | | | |

Raw Data: **VX044542.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1231WBL01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1231WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044542.D | 1 | | 12/30/24 14:26 | VX123124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044542.D
Acq On : 30 Dec 2024 14:26
Operator : JC/MD
Sample : VX1231WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBL01

Quant Time: Dec 31 00:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 117464 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 200538 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 172503 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 71731 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 94080 | 45.680 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.360% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 71368 | 51.384 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.760% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 258440 | 55.154 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 110.300% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 83152 | 50.785 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.580% | | | |

Target Compounds Qvalue

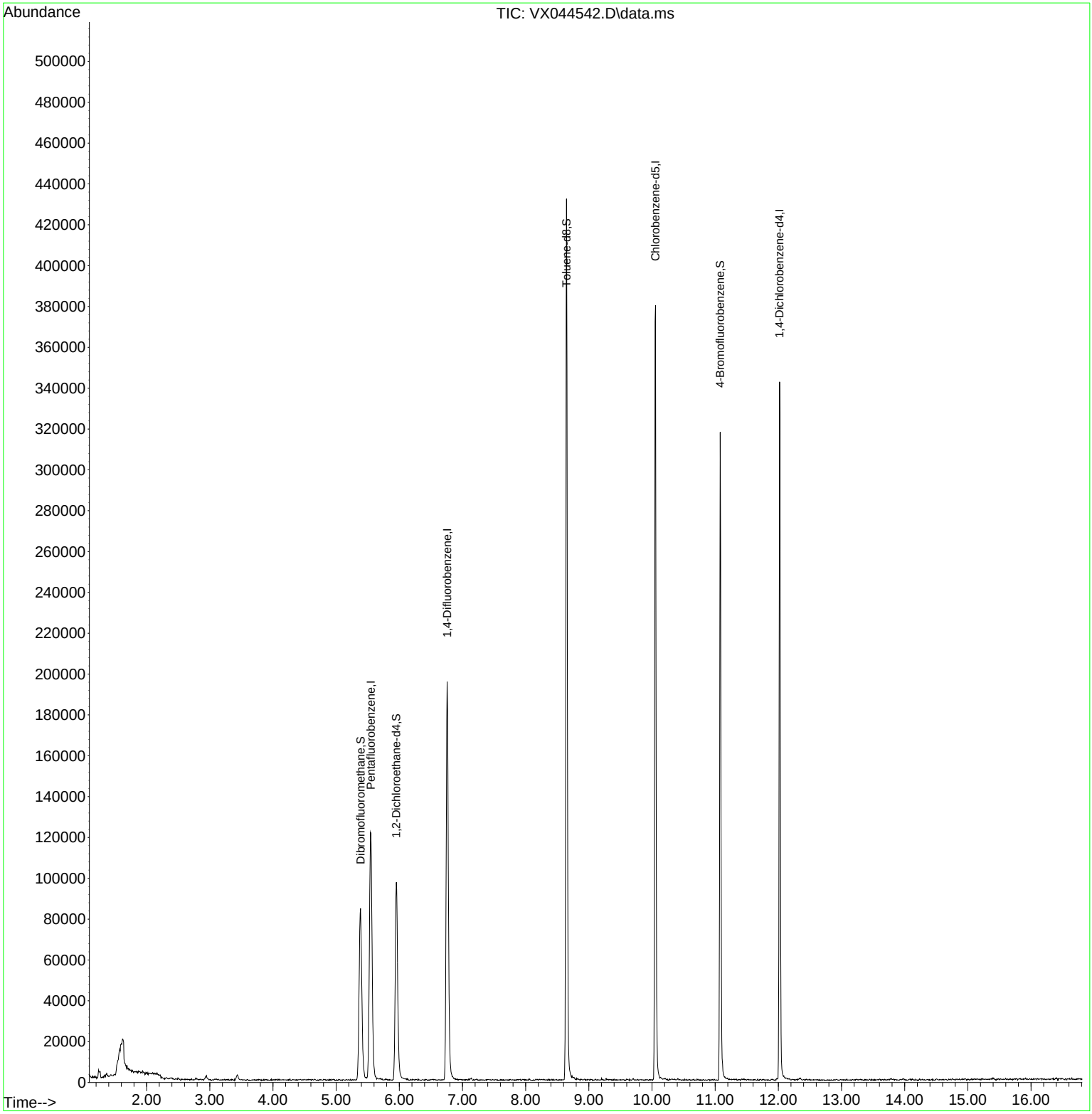
(#) = qualifier out of range (m) = manual integration (+) = signals summed

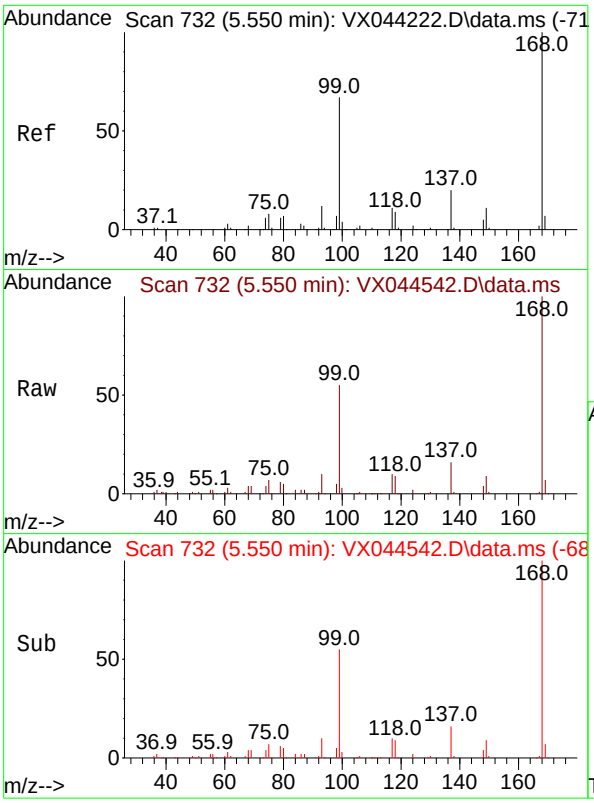
Sample Results: **VX044542.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044542.D
Acq On : 30 Dec 2024 14:26
Operator : JC/MD
Sample : VX1231WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBL01

Quant Time: Dec 31 00:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



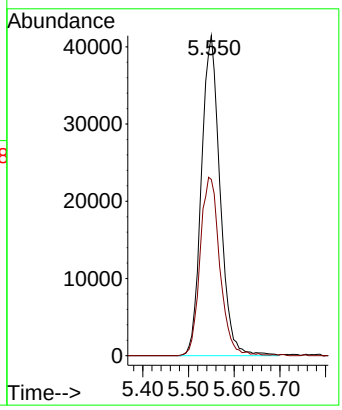


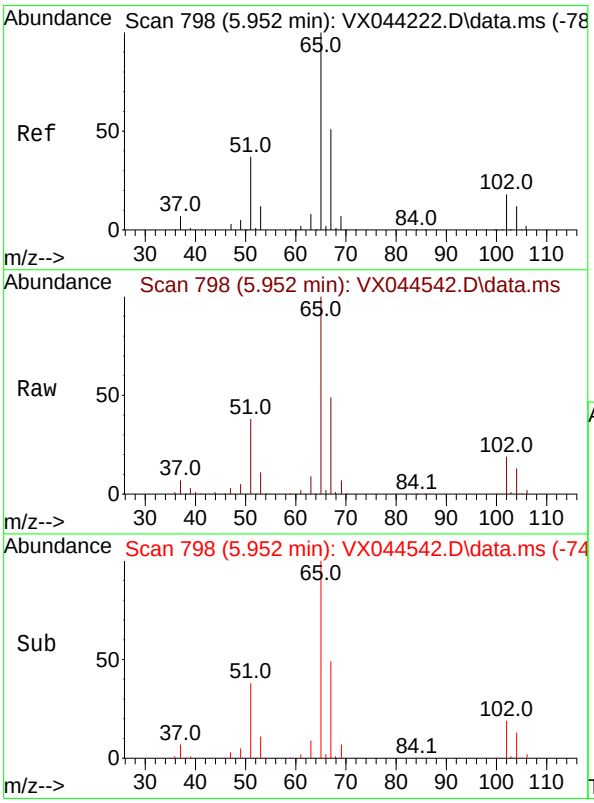

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBL01

Tgt Ion:168 Resp: 117464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.0 | 53.4 | 80.0 |

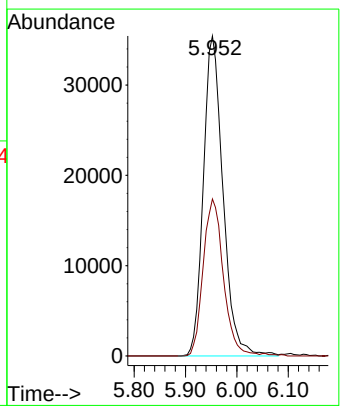


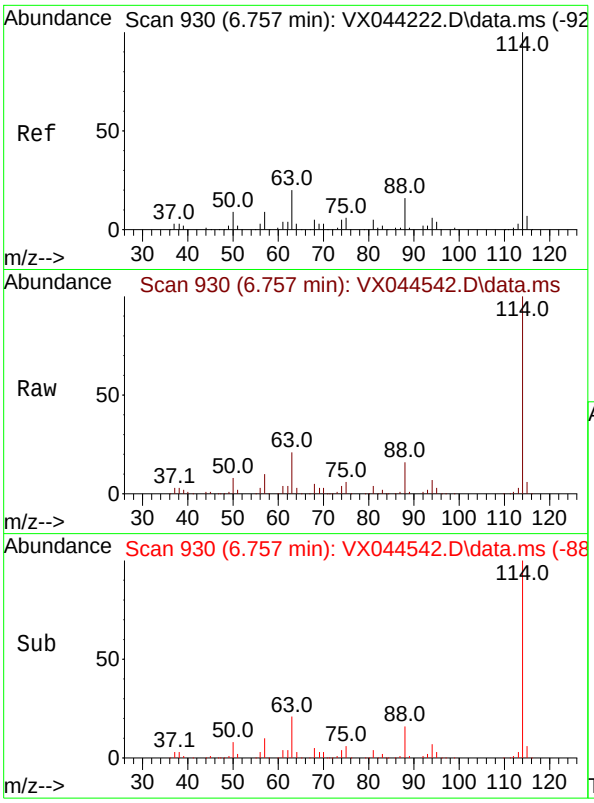




#33
1,2-Dichloroethane-d4
Concen: 45.680 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Tgt Ion: 65 Resp: 94080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 101.6 |



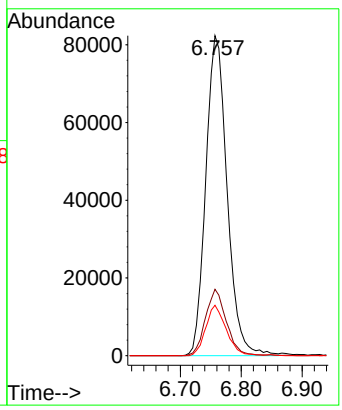


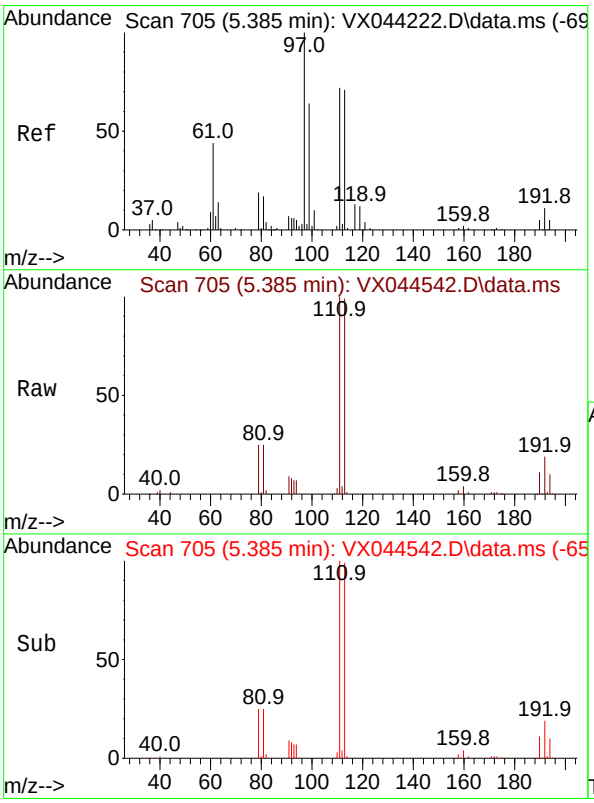

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBL01

Tgt Ion:114 Resp: 200538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 40.6 |
| 88 | 15.8 | 0.0 | 31.8 |

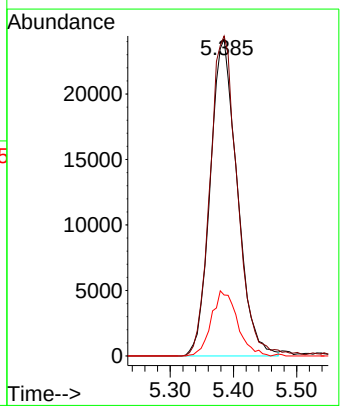


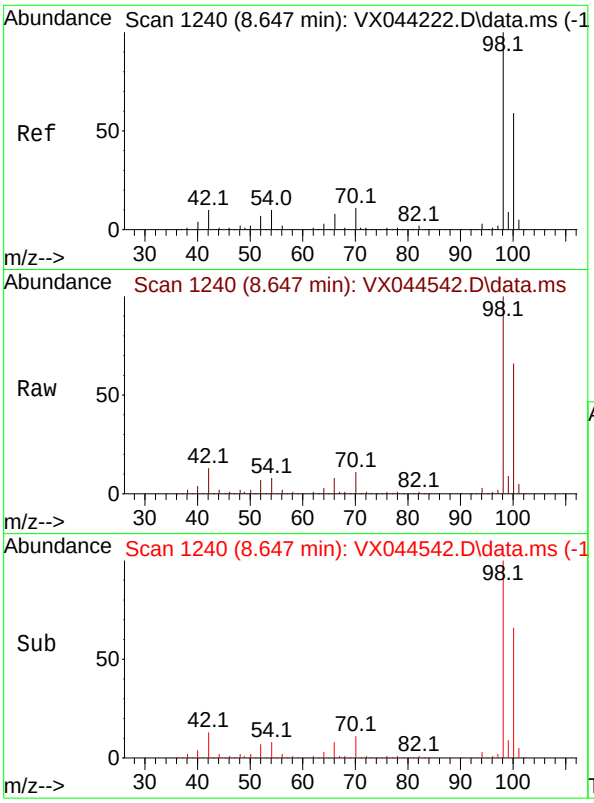




#35
Dibromofluoromethane
Concen: 51.384 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Tgt Ion:113 Resp: 71368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 80.4 | 120.6 |
| 192 | 19.8 | 13.3 | 19.9 |



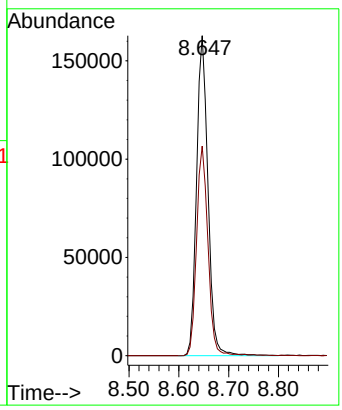


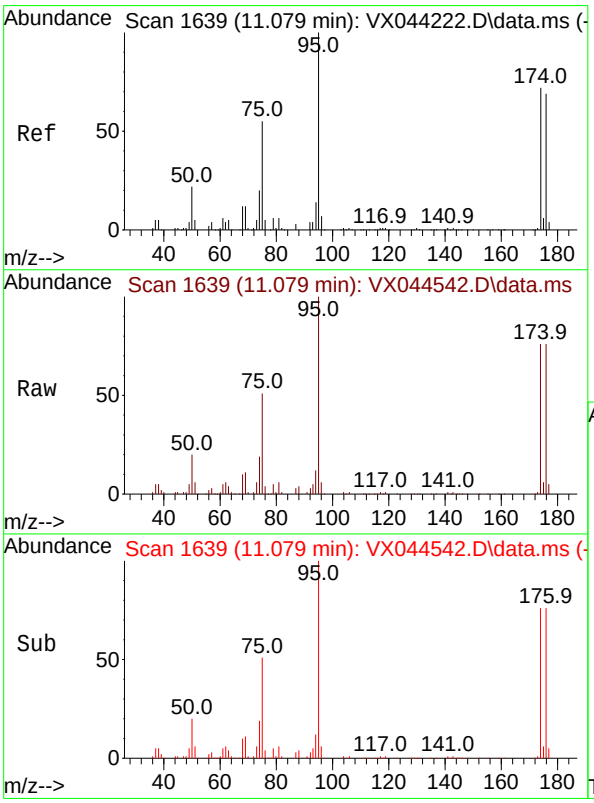

#50
Toluene-d8
Concen: 55.154 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBL01

Tgt Ion: 98 Resp: 258440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 51.5 | 77.3 |

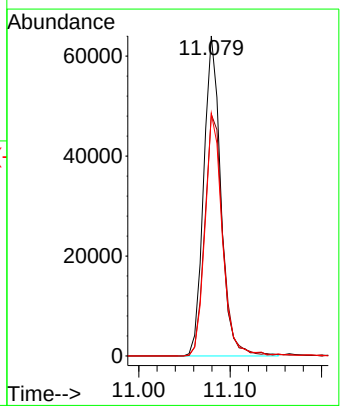


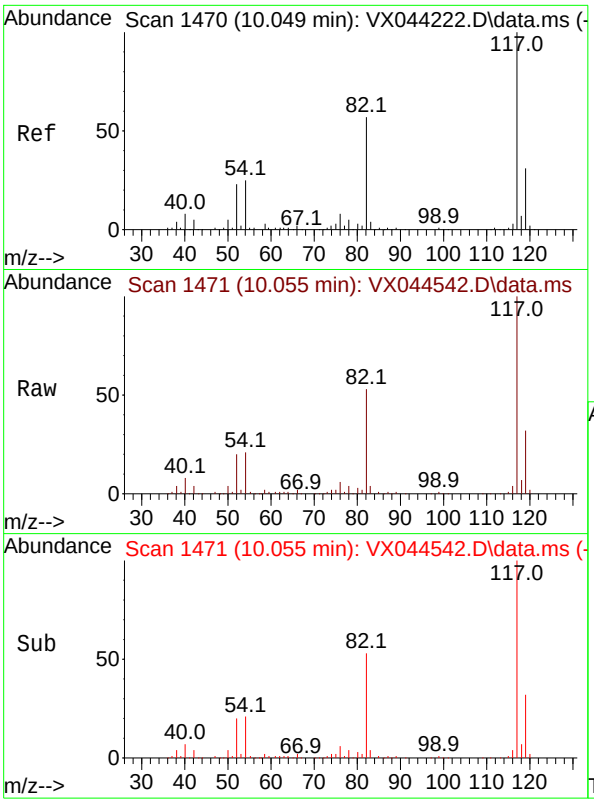




#62
4-Bromofluorobenzene
Concen: 50.785 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Tgt Ion: 95 Resp: 83152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.0 | 0.0 | 145.8 |
| 176 | 76.4 | 0.0 | 137.8 |



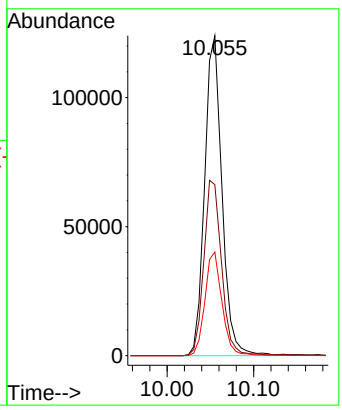


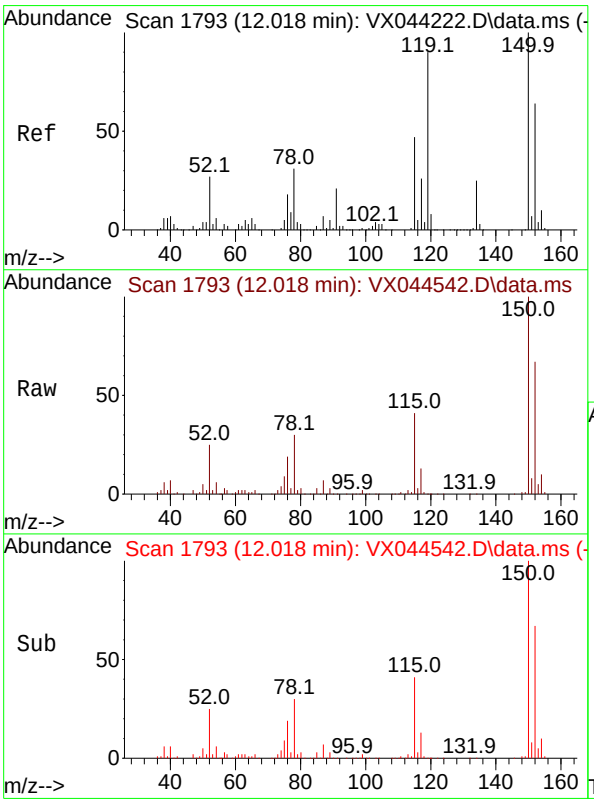

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBL01

Tgt Ion:117 Resp: 172503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.5 | 45.8 | 68.8 |
| 119 | 32.4 | 25.0 | 37.4 |

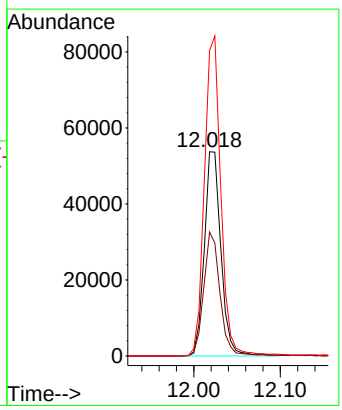



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Tgt Ion:152 Resp: 71731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.4 | 44.5 | 133.3 |
| 150 | 154.9 | 0.0 | 353.8 |



Raw Data: **VX044399.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1218WBS02 | SDG No.: | P5317 |
| Lab Sample ID: | VX1218WBS02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044399.D | 1 | | 12/18/24 23:22 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 19.0 | | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 21.4 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 20.6 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 20.5 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 24.3 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 15.9 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 17.9 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 20.1 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 94.1 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 18.8 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 20.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 21.3 | | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 21.2 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 19.8 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 21.4 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 17.8 | | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 100 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.4 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 20.4 | | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 20.8 | | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 20.3 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 19.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 17.7 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 20.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.6 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 19.9 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 20.7 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.7 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 110 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 20.0 | | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044399.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1218WBS02 | SDG No.: | P5317 |
| Lab Sample ID: | VX1218WBS02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044399.D | 1 | | 12/18/24 23:22 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 19.1 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.3 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 21.6 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 110 | | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 19.4 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 21.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.9 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 19.1 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 38.0 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 19.1 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 19.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 20.0 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 19.9 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 22.0 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 19.8 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 19.6 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 20.1 | | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 18.9 | | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 18.7 | | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.8 | | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.5 | | 81 - 118 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.7 | | 80 - 119 | | 105% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.9 | | 89 - 112 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.5 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 129000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 233000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 200000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 86800 | 12.024 | | | | |

Raw Data: **VX044399.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1218WBS02 | SDG No.: | P5317 |
| Lab Sample ID: | VX1218WBS02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044399.D | 1 | | 12/18/24 23:22 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044399.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044399.D
Acq On : 18 Dec 2024 23:22
Operator : JC/MD
Sample : VX1218WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 19 00:56:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 128991 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 233001 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 200137 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 86763 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 114115 | 50.457 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.920% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 85034 | 52.694 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.380% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 277165 | 50.909 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.820% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92307 | 48.522 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.040% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 37942 | 19.023 | ug/l | 93 |
| 3) Chloromethane | 1.300 | 50 | 40751 | 21.366 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 40892 | 20.579 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 28914 | 20.511 | ug/l | 95 |
| 6) Chloroethane | 1.666 | 64 | 30101 | 24.328 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 61744 | 15.872 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 26105 | 19.660 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 28167 | 17.894 | ug/l | 97 |
| 10) Methyl Iodide | 2.447 | 142 | 43853 | 21.138 | ug/l | 98 |
| 11) Tert butyl alcohol | 2.989 | 59 | 33835 | 106.151 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 29065 | 20.103 | ug/l | 97 |
| 13) Acrolein | 2.239 | 56 | 48772 | 105.705 | ug/l | 98 |
| 14) Allyl chloride | 2.654 | 41 | 48506 | 20.142 | ug/l | 97 |
| 15) Acrylonitrile | 3.068 | 53 | 96056 | 108.791 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 86799 | 94.139 | ug/l | 96 |
| 17) Carbon Disulfide | 2.501 | 76 | 51728 | 18.822 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 50558 | 21.267 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 114860 | 20.358 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 36674 | 21.177 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 30353 | 19.753 | ug/l | 90 |
| 22) Diisopropyl ether | 3.763 | 45 | 112563 | 20.757 | ug/l | 89 |
| 23) Vinyl Acetate | 3.721 | 43 | 475270 | 107.800 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 64774 | 21.428 | ug/l | 100 |
| 25) 2-Butanone | 4.568 | 43 | 134799 | 102.837 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 38575 | 15.708 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 39781 | 20.385 | ug/l | 93 |
| 28) Bromochloromethane | 4.897 | 49 | 30856 | 20.816 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 87910 | 104.485 | ug/l | 98 |
| 30) Chloroform | 5.092 | 83 | 68906 | 20.289 | ug/l | 94 |
| 31) Cyclohexane | 5.464 | 56 | 43349 | 17.759 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 55108 | 19.547 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 38087 | 18.259 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 51828 | 20.100 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 41400 | 18.435 | ug/l | 93 |
| 39) Methylcyclohexane | 7.379 | 83 | 44052 | 17.665 | ug/l | 97 |
| 40) Benzene | 6.037 | 78 | 131536 | 20.769 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044399.D
Acq On : 18 Dec 2024 23:22
Operator : JC/MD
Sample : VX1218WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 19 00:56:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 29615 | 21.629 ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 53845 | 20.639 ug/l | 97 |
| 43) Isopropyl Acetate | 6.348 | 43 | 84024 | 20.849 ug/l | 97 |
| 44) Trichloroethene | 7.123 | 130 | 31494 | 19.941 ug/l | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33512 | 20.711 ug/l | 96 |
| 46) Dibromomethane | 7.580 | 93 | 26590 | 21.182 ug/l | 95 |
| 47) Bromodichloromethane | 7.824 | 83 | 44915 | 20.717 ug/l | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 39226 | 20.050 ug/l | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 10895 | 335.893 ug/l # | 68 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 276459 | 106.686 ug/l | 100 |
| 52) Toluene | 8.720 | 92 | 79570 | 20.006 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 41702 | 19.130 ug/l | 93 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 45604 | 19.319 ug/l # | 88 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 34197 | 21.643 ug/l | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 50855 | 20.388 ug/l | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 57729 | 20.991 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 124927 | 99.300 ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 197809 | 105.460 ug/l | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 30374 | 19.439 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 34910 | 21.706 ug/l | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 25159 | 18.940 ug/l | 99 |
| 65) Chlorobenzene | 10.079 | 112 | 81973 | 19.115 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 28201 | 20.461 ug/l | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 139144 | 18.778 ug/l | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 103433 | 38.041 ug/l | 97 |
| 69) o-Xylene | 10.640 | 106 | 52635 | 19.133 ug/l | 97 |
| 70) Styrene | 10.652 | 104 | 87058 | 19.740 ug/l | 95 |
| 71) Bromoform | 10.799 | 173 | 17299 | 19.959 ug/l # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 132502 | 19.949 ug/l | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 64183 | 20.909 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 50710 | 21.981 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 41540m | 21.443 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 32621 | 20.253 ug/l | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 144182 | 19.640 ug/l | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 93621 | 19.719 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 107680 | 19.549 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 10659 | 19.586 ug/l | 90 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 102797 | 19.553 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 105765 | 19.429 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 108536 | 20.064 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 126820 | 19.191 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 107246 | 19.498 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 55710 | 19.801 ug/l | 97 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 56626 | 19.579 ug/l | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 85786 | 18.548 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 14339 | 17.859 ug/l | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 58637 | 20.072 ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 8448 | 18.864 ug/l | 91 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 29891 | 18.663 ug/l | 96 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 12669 | 19.666 ug/l | 97 |
| 95) Naphthalene | 13.774 | 128 | 122767 | 19.638 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 33666 | 19.819 ug/l | 99 |

Sample Results: **VX044399.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044399.D
Acq On : 18 Dec 2024 23:22
Operator : JC/MD
Sample : VX1218WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 19 00:56:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

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

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

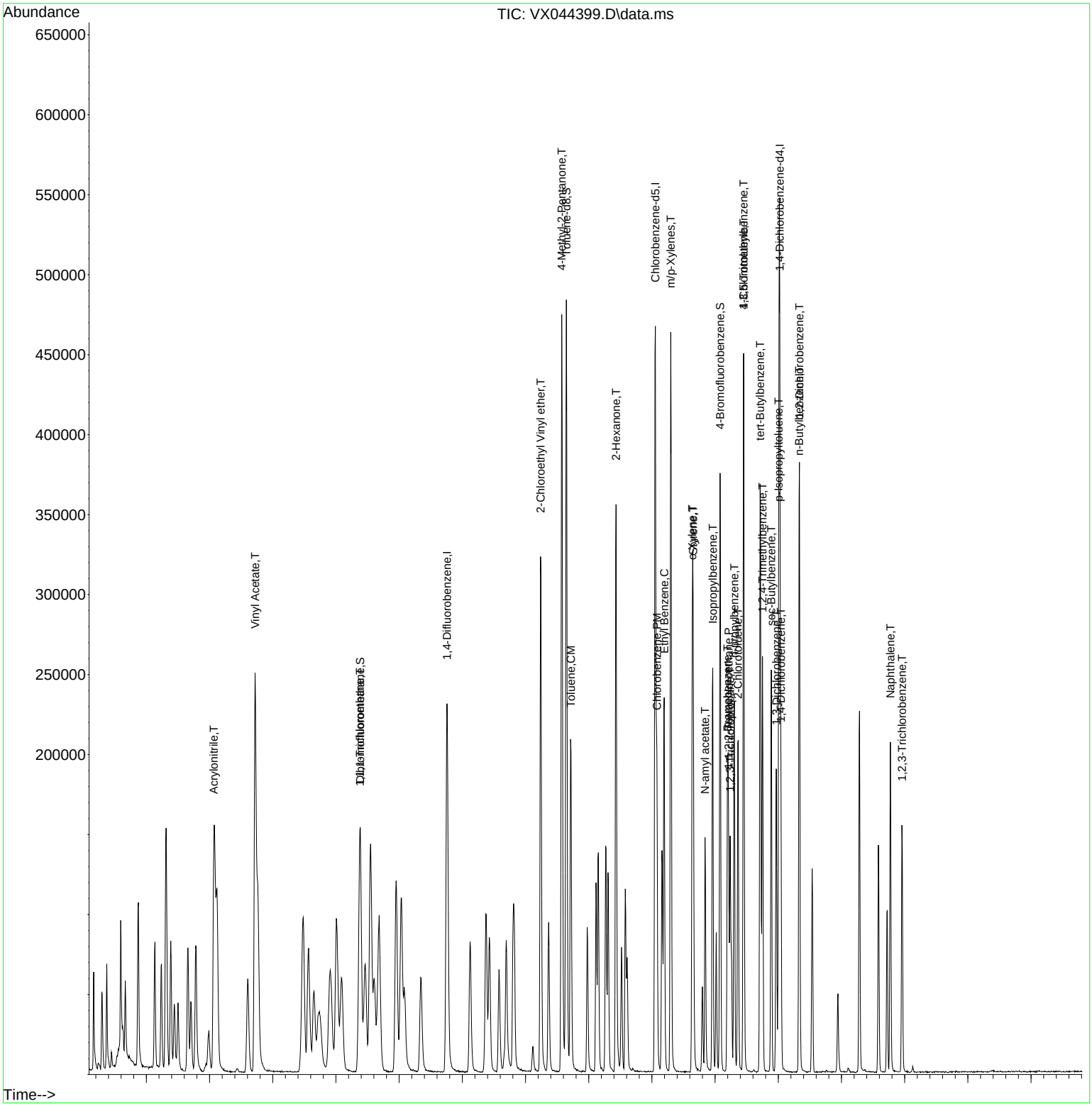
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044399.D
Acq On : 18 Dec 2024 23:22
Operator : JC/MD
Sample : VX1218WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

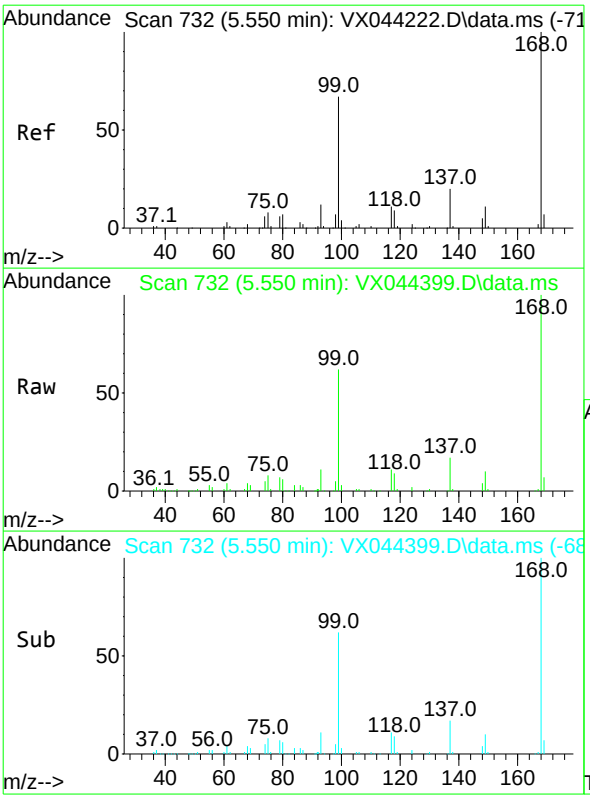
Quant Time: Dec 19 00:56:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

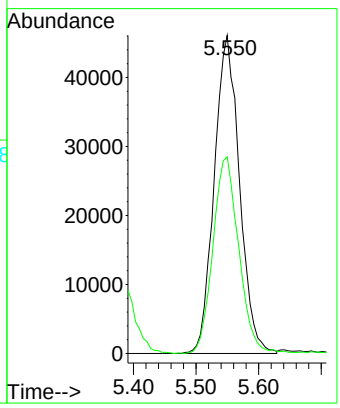
Tgt Ion:168 Resp: 128991

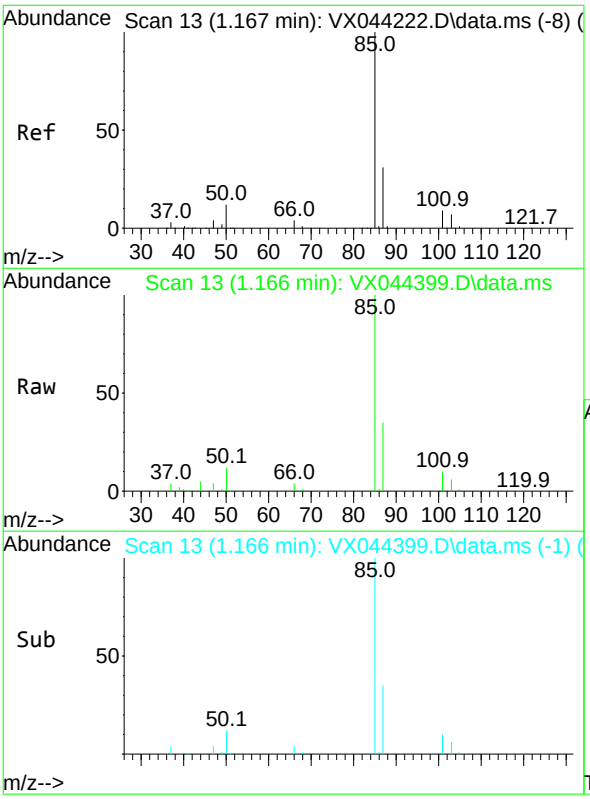
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.7 | 53.4 | 80.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

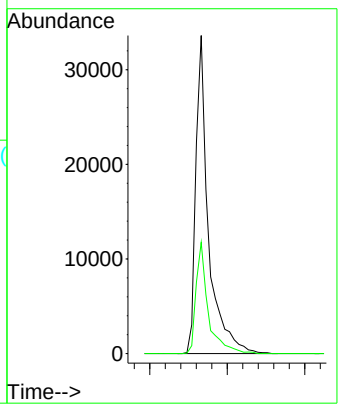


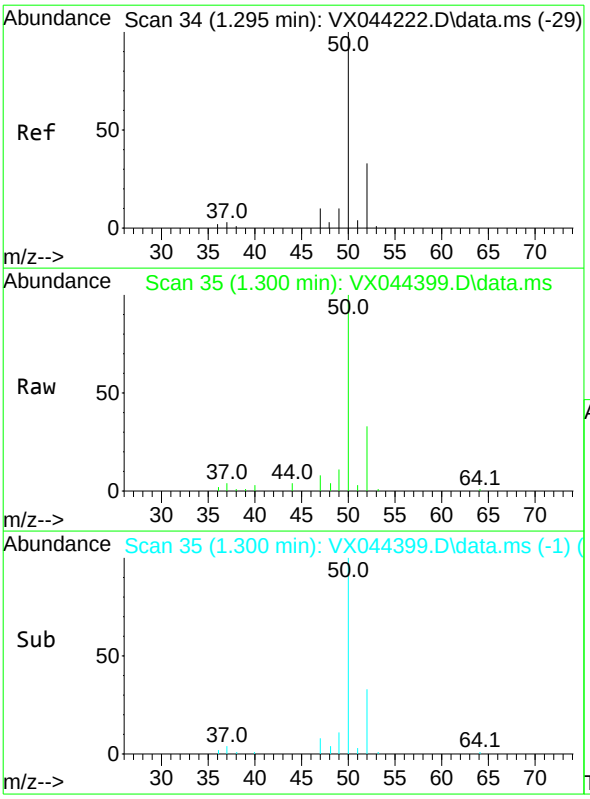




#2
Dichlorodifluoromethane
Concen: 19.023 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 85 Resp: 37942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 35.0 | 15.4 | 46.4 |

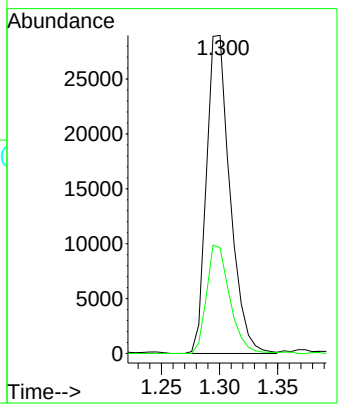





#3
Chloromethane
Concen: 21.366 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 50 Resp: 40751

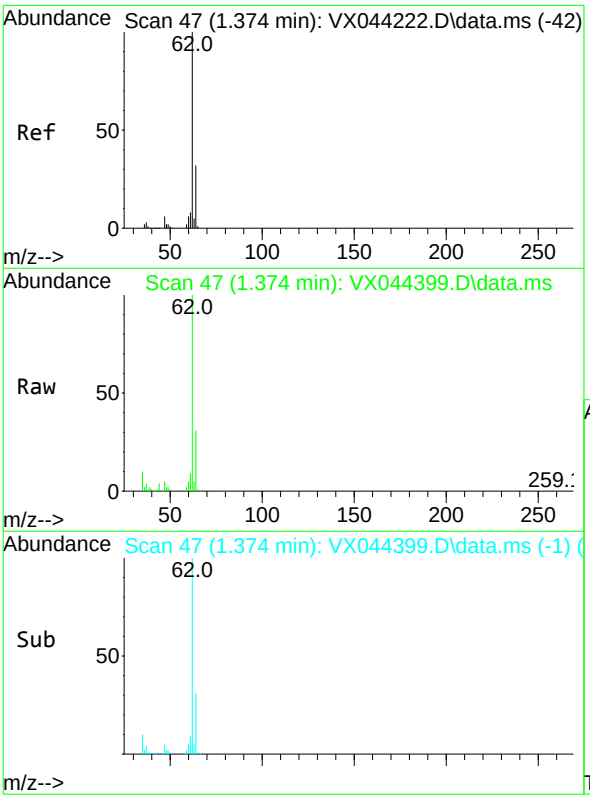
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

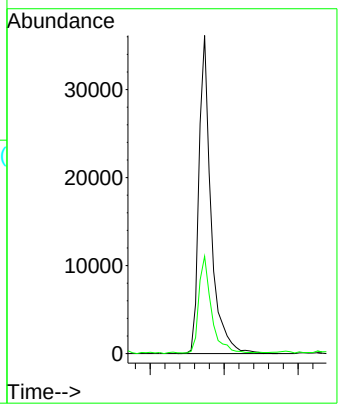
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

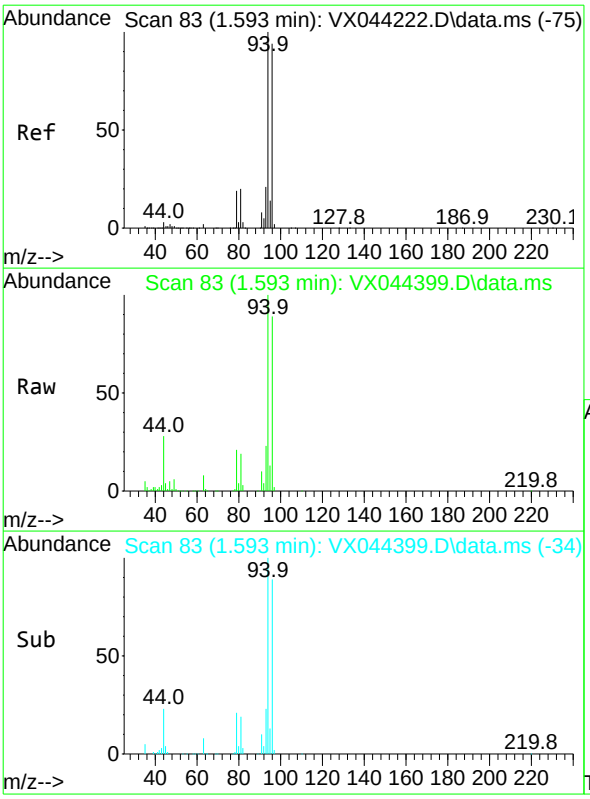



#4
Vinyl Chloride
Concen: 20.579 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 62 Resp: 40892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.3 | 25.7 | 38.5 |

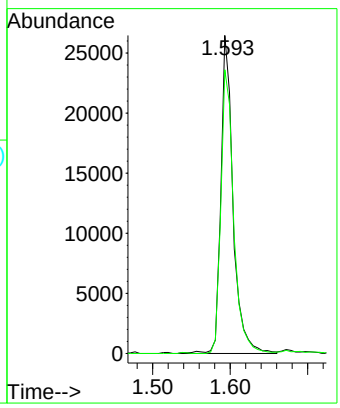





#5
Bromomethane
Concen: 20.511 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 94 Resp: 28914

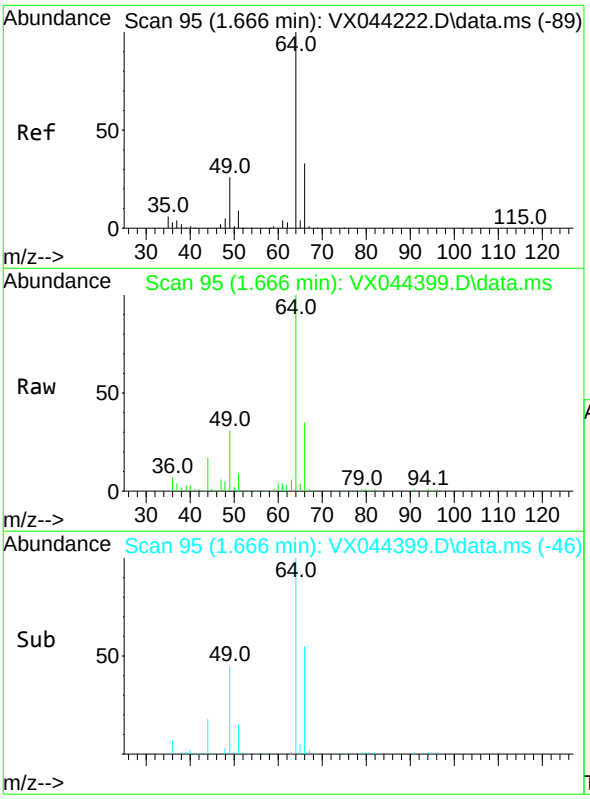
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 89.2 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

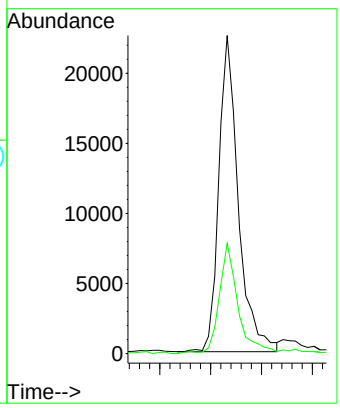
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

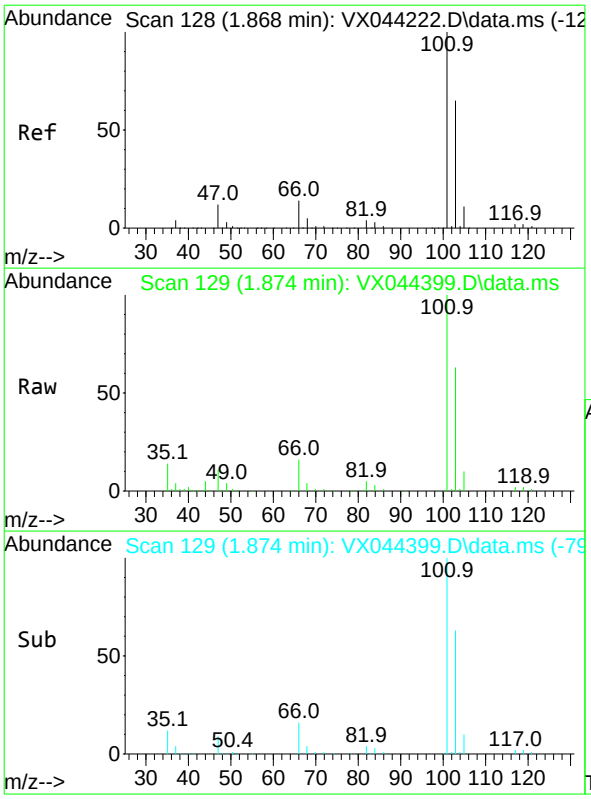



#6
Chloroethane
Concen: 24.328 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 64 Resp: 30101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.8 | 26.6 | 39.8 |

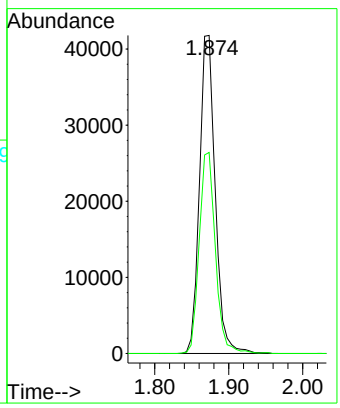





#7
Trichlorofluoromethane
Concen: 15.872 ug/l
RT: 1.874 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:101 Resp: 61744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.2 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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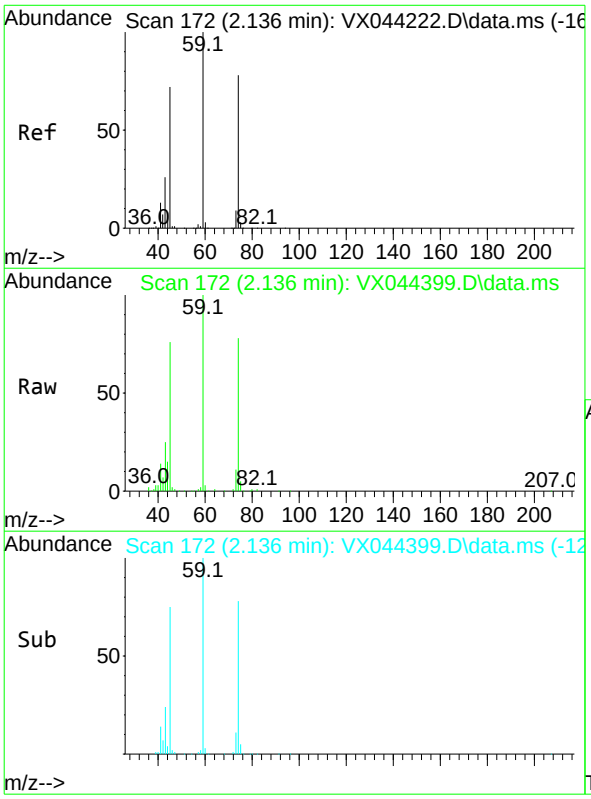
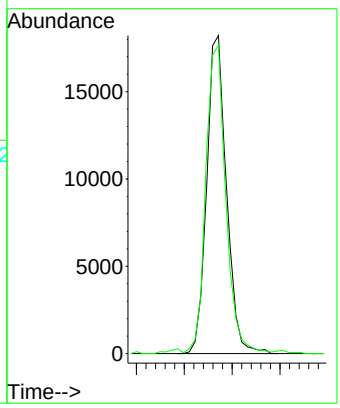
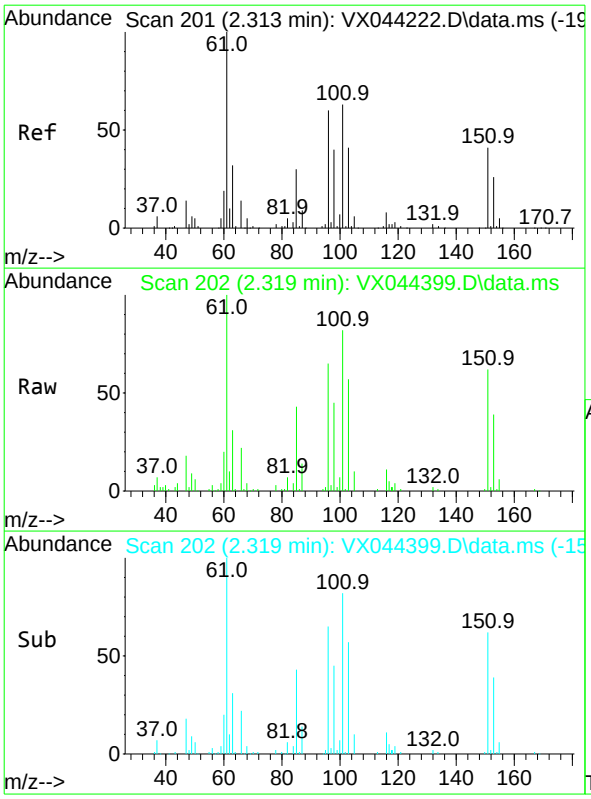



#8
Diethyl Ether
Concen: 19.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 74 Resp: 26105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.4 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.894 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:101 Resp: 28167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.3 | 38.5 | 57.7 |
| 151 | 73.1 | 55.8 | 83.6 |

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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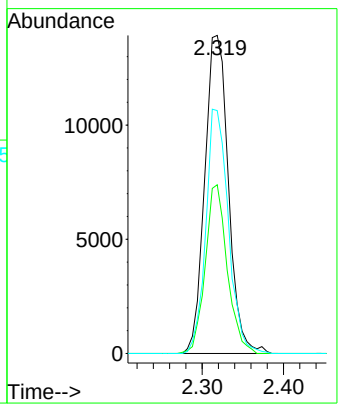
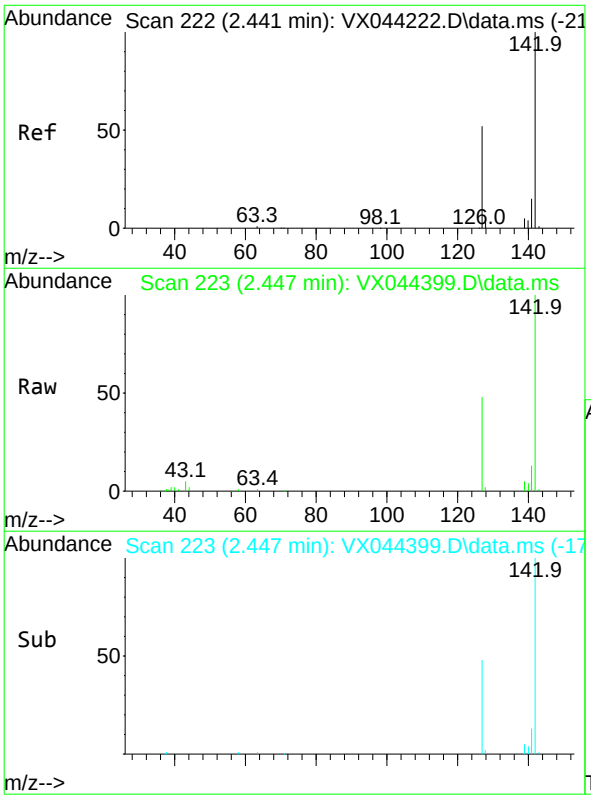
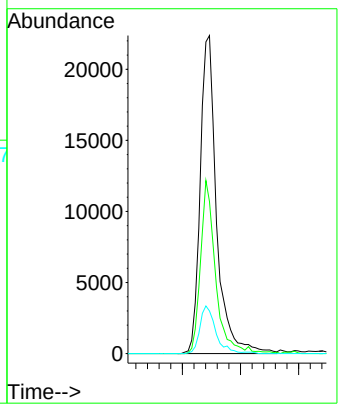


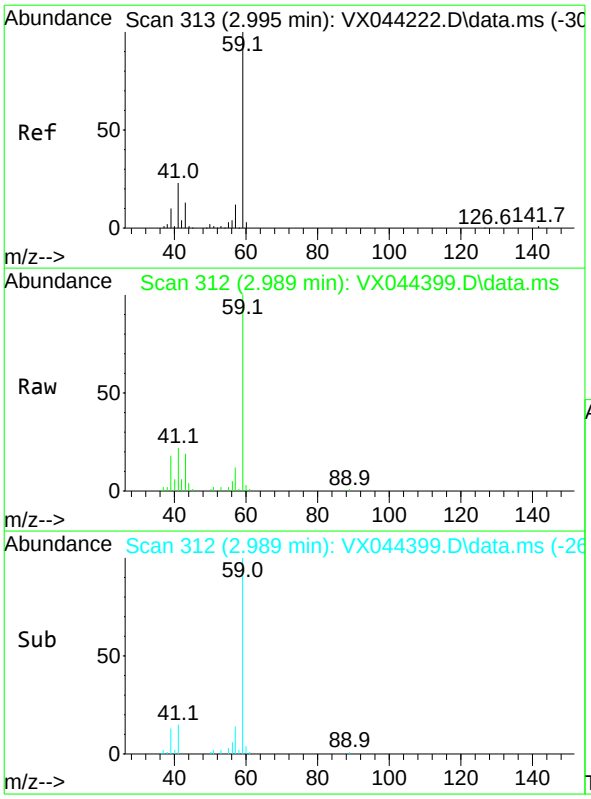




#10
Methyl Iodide
Concen: 21.138 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:142 Resp: 43853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.1 | 41.8 | 62.8 |
| 141 | 14.4 | 11.5 | 17.3 |

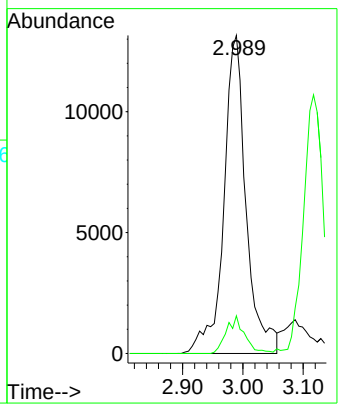





#11
Tert butyl alcohol
Concen: 106.151 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 59 Resp: 33835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.7 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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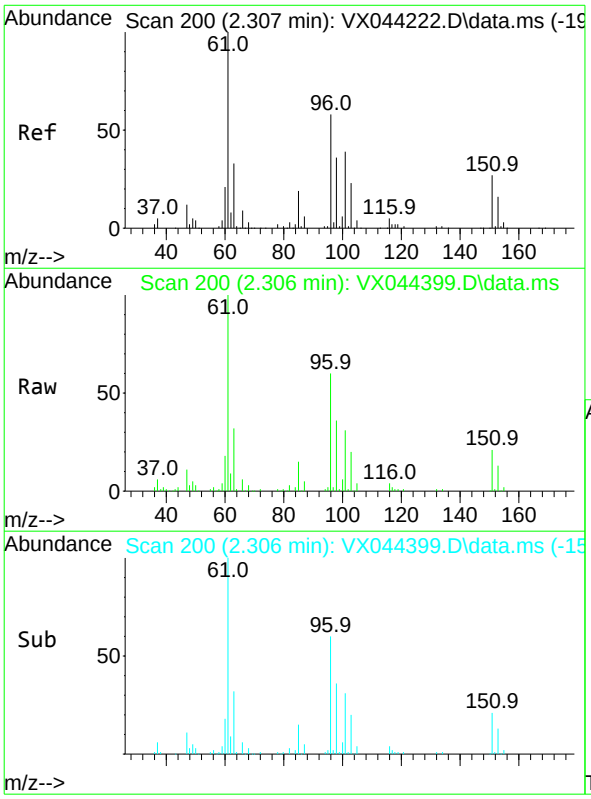
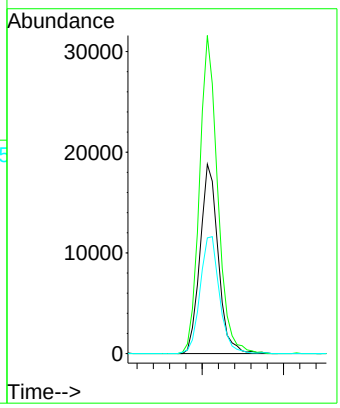
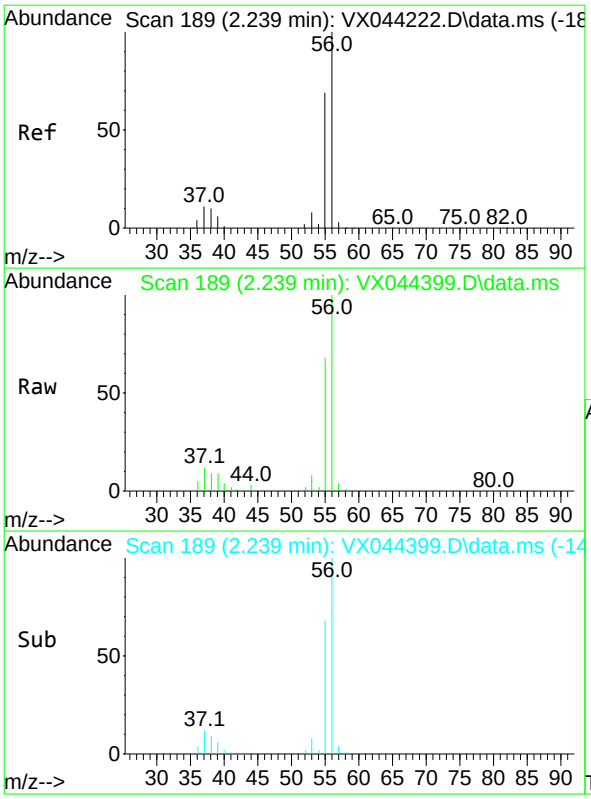



#12
1,1-Dichloroethene
Concen: 20.103 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 96 Resp: 29065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.0 | 138.0 | 207.0 |
| 98 | 61.1 | 50.0 | 75.0 |






#13
Acrolein
Concen: 105.705 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

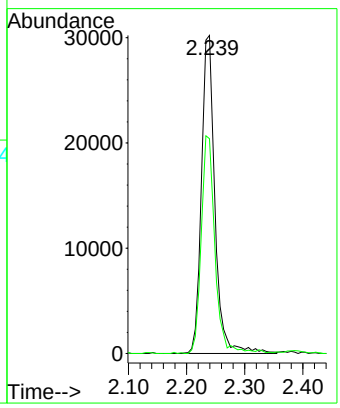
Tgt Ion: 56 Resp: 48772

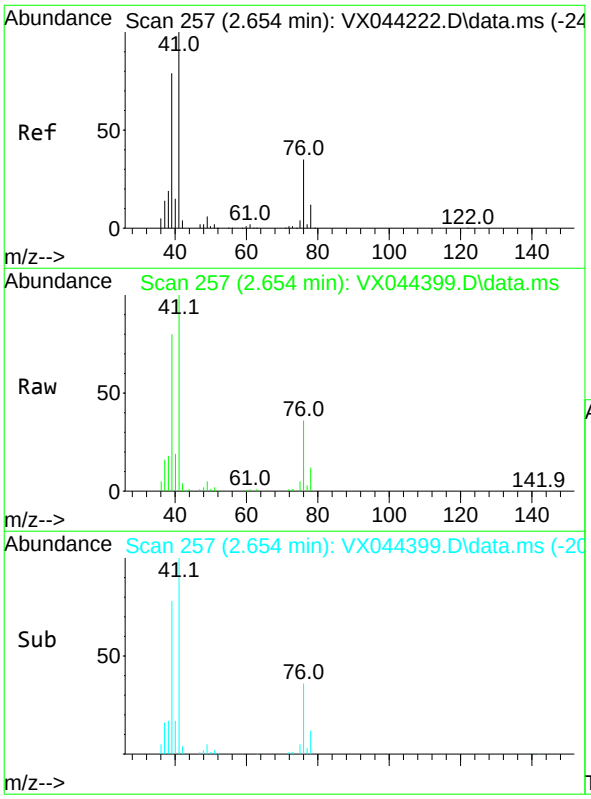
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.1 | 56.6 | 84.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

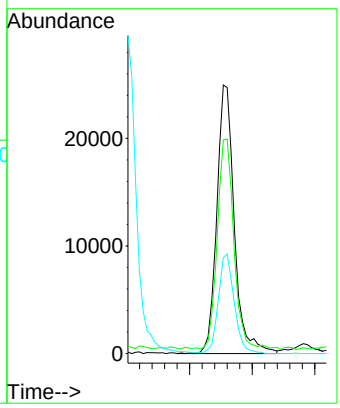


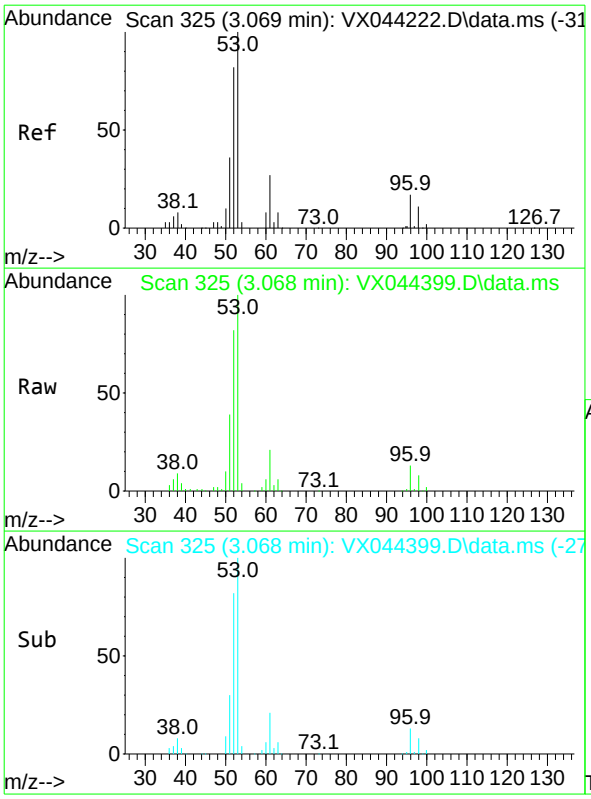




#14
Allyl chloride
Concen: 20.142 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 41 Resp: 48506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.5 | 61.9 | 92.9 |
| 76 | 33.6 | 27.4 | 41.2 |

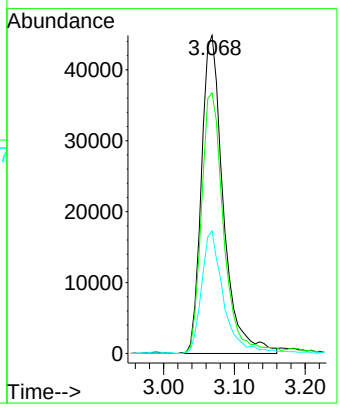





#15
Acrylonitrile
Concen: 108.791 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 53 Resp: 96056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.2 | 67.4 | 101.0 |
| 51 | 39.3 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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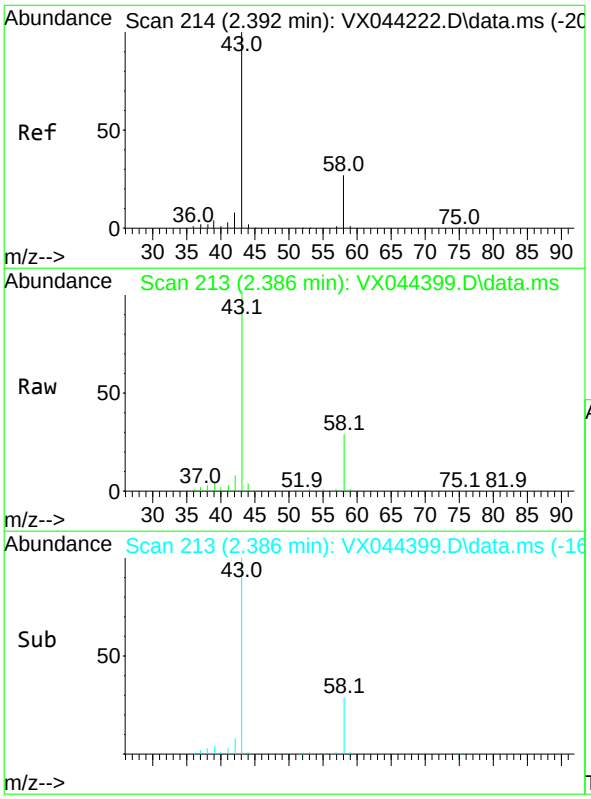
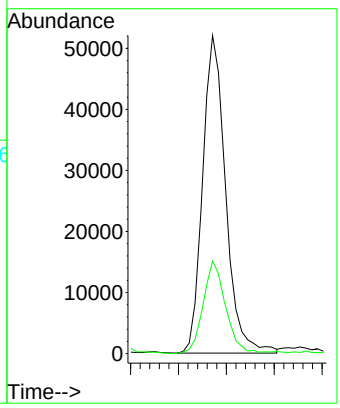
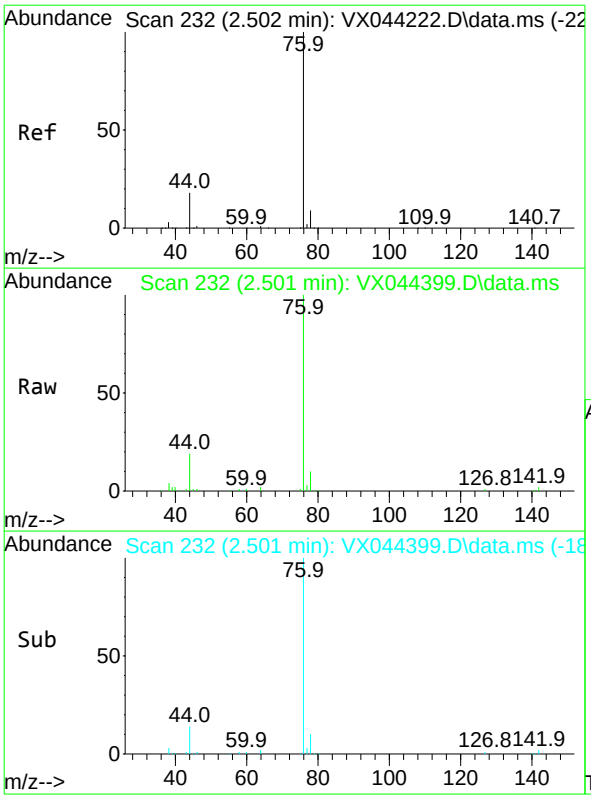



#16
Acetone
Concen: 94.139 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 43 Resp: 86799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 21.6 | 32.4 |






#17
Carbon Disulfide
Concen: 18.822 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 76 Resp: 51728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.1 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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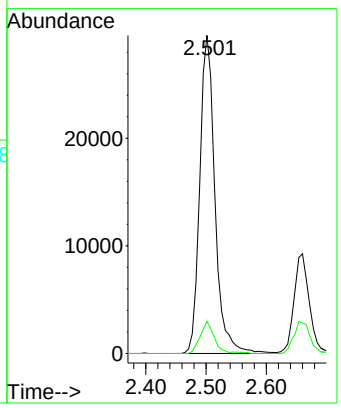
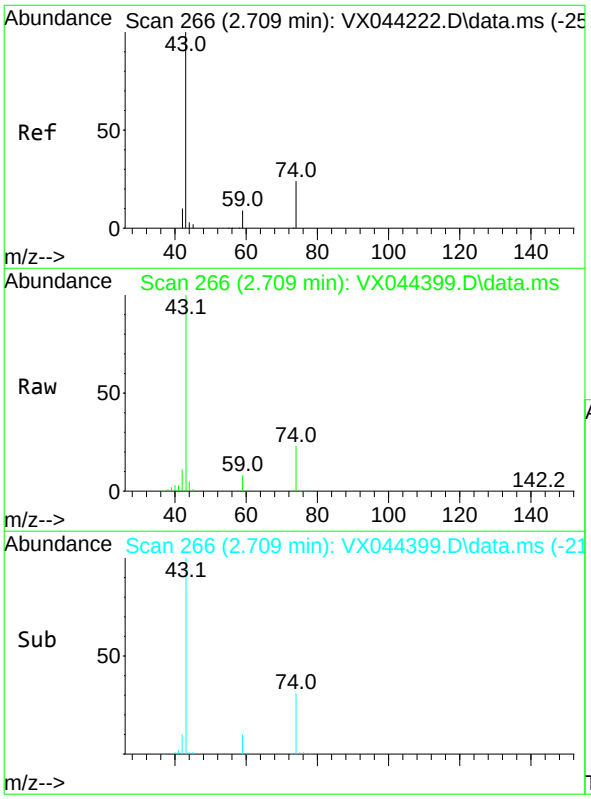
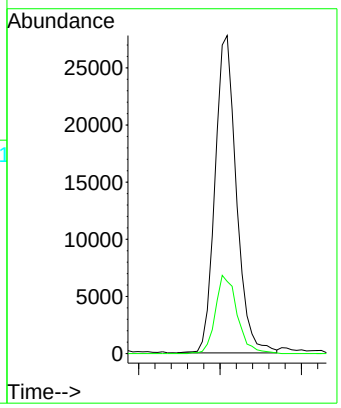


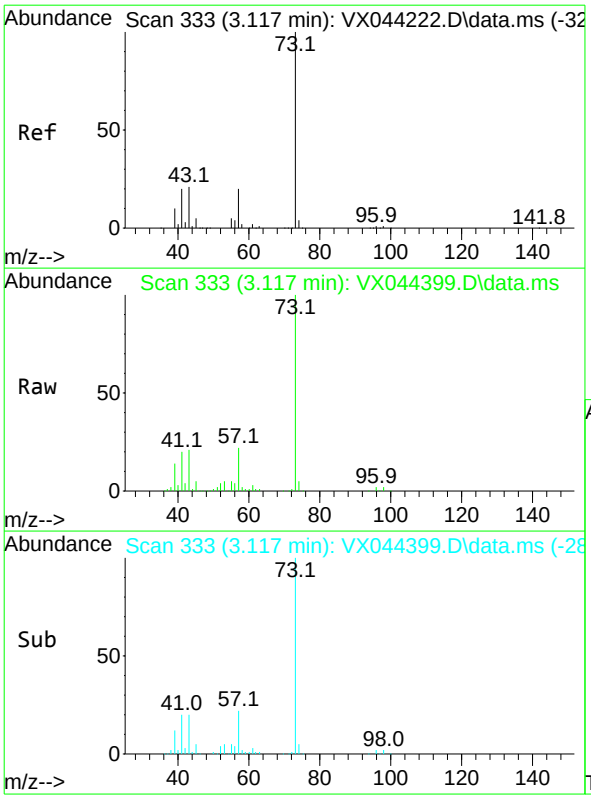




#18
Methyl Acetate
Concen: 21.267 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 43 Resp: 50558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.2 | 17.7 | 26.5 |






#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 73 Resp: 114860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 16.2 | 24.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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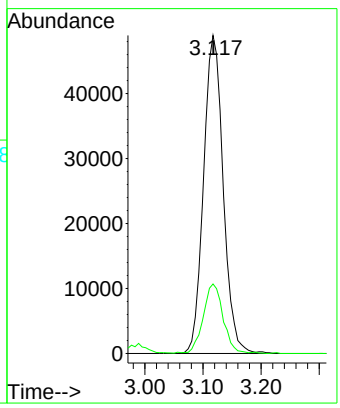
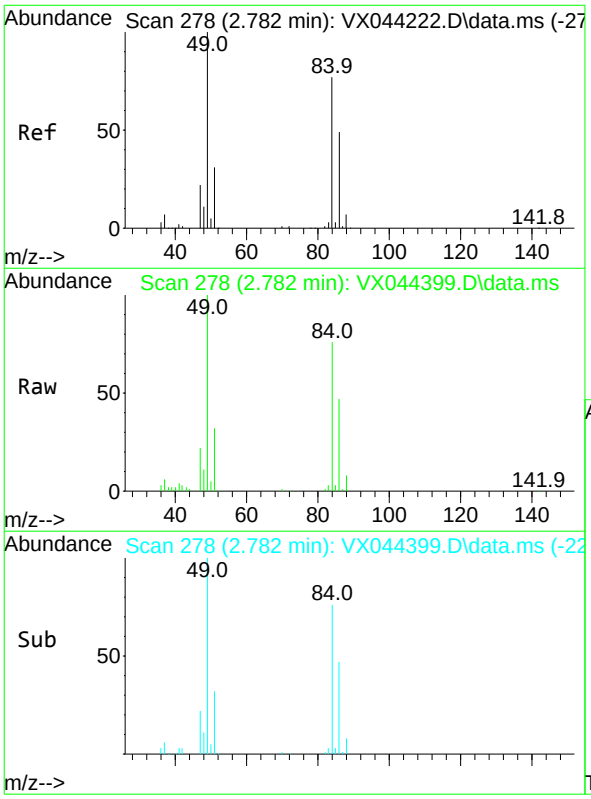
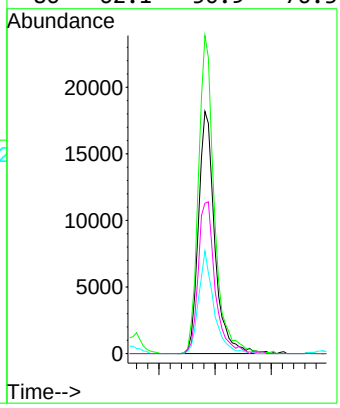


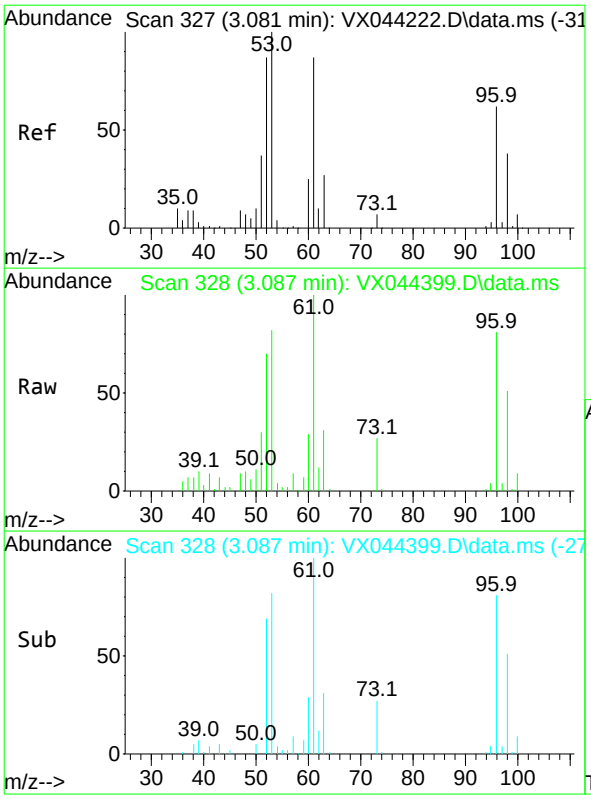




#20
Methylene Chloride
Concen: 21.177 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 84 Resp: 36674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.4 | 104.2 | 156.4 |
| 51 | 42.4 | 32.2 | 48.4 |
| 86 | 62.1 | 50.9 | 76.3 |






#21
trans-1,2-Dichloroethene
Concen: 19.753 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 96 Resp: 30353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 124.0 | 112.0 | 168.0 |
| 98 | 63.0 | 48.8 | 73.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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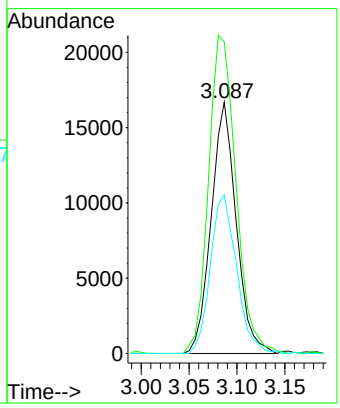
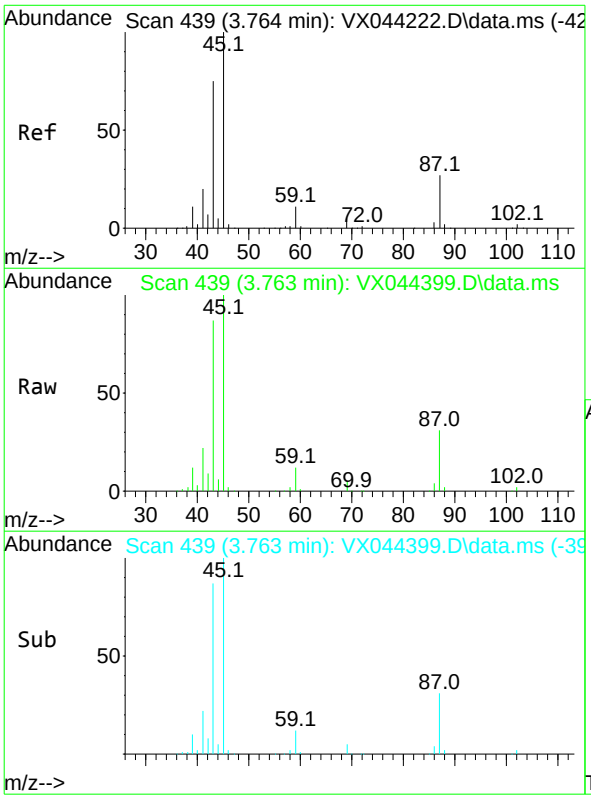
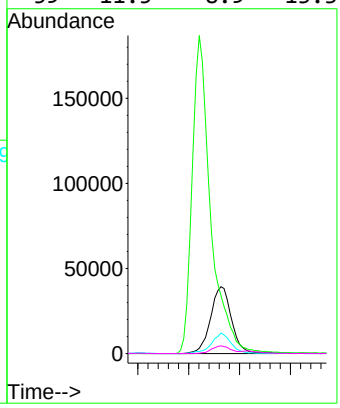


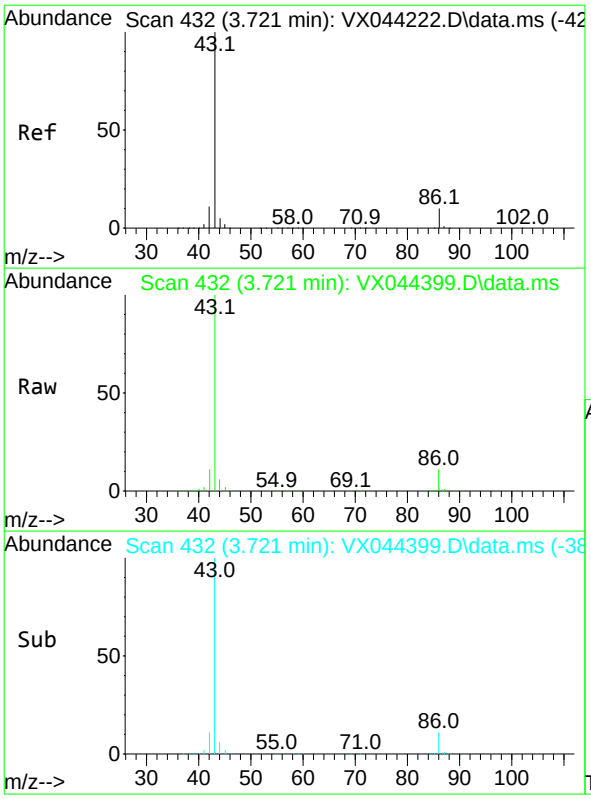




#22
Diisopropyl ether
Concen: 20.757 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 45 Resp: 112563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 86.0 | 60.2 | 90.2 |
| 87 | 30.8 | 21.2 | 31.8 |
| 59 | 11.5 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 107.800 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

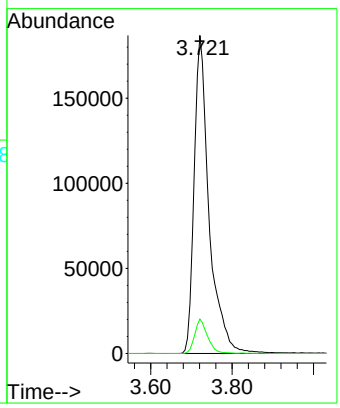
Tgt Ion: 43 Resp: 475270

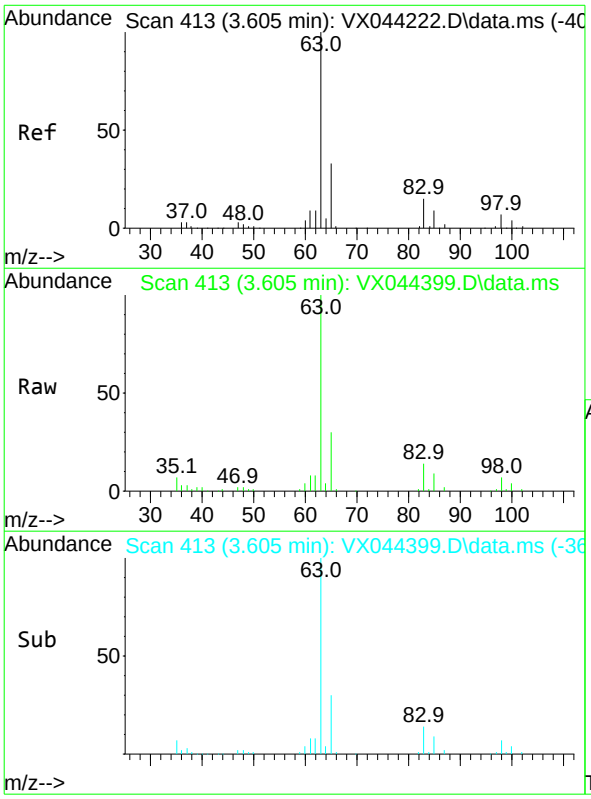
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

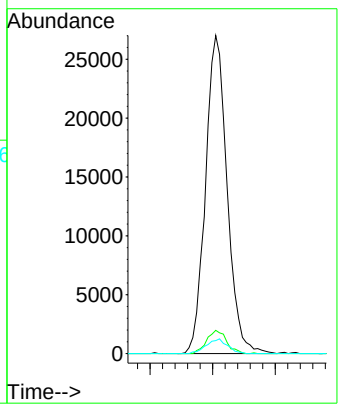


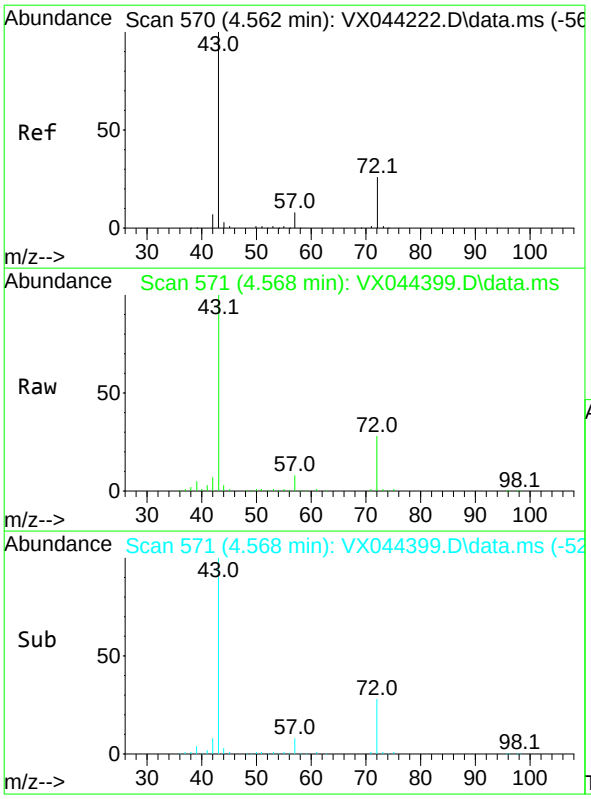




#24
1,1-Dichloroethane
Concen: 21.428 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 63 Resp: 64774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.6 | 10.8 |
| 100 | 4.1 | 2.1 | 6.3 |

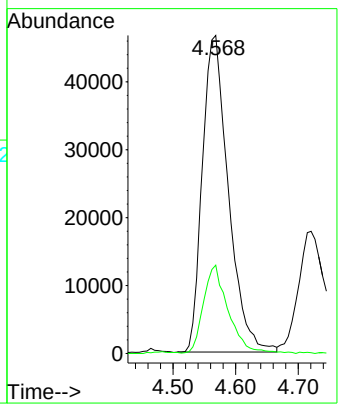





#25
2-Butanone
Concen: 102.837 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 43 Resp: 134799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.6 | 20.2 | 30.4 |

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VX1218WBS02

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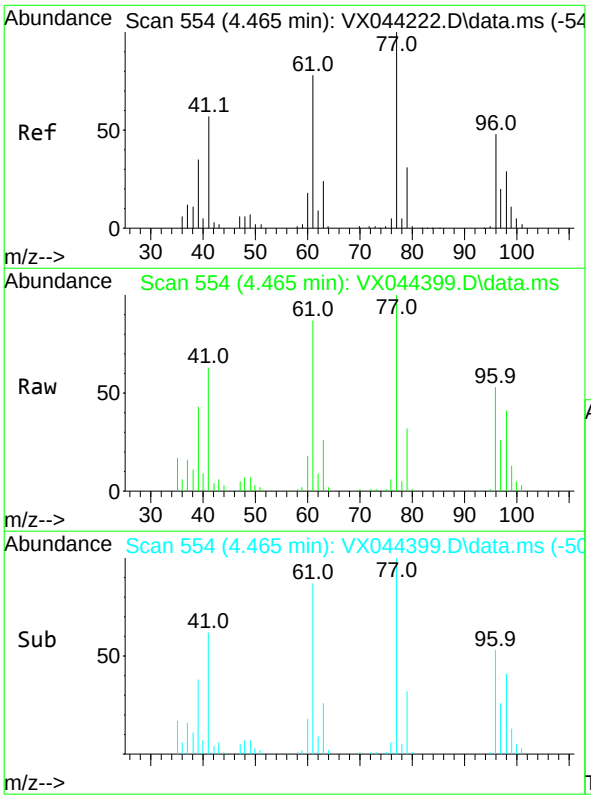
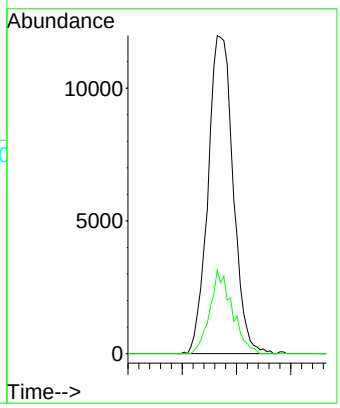
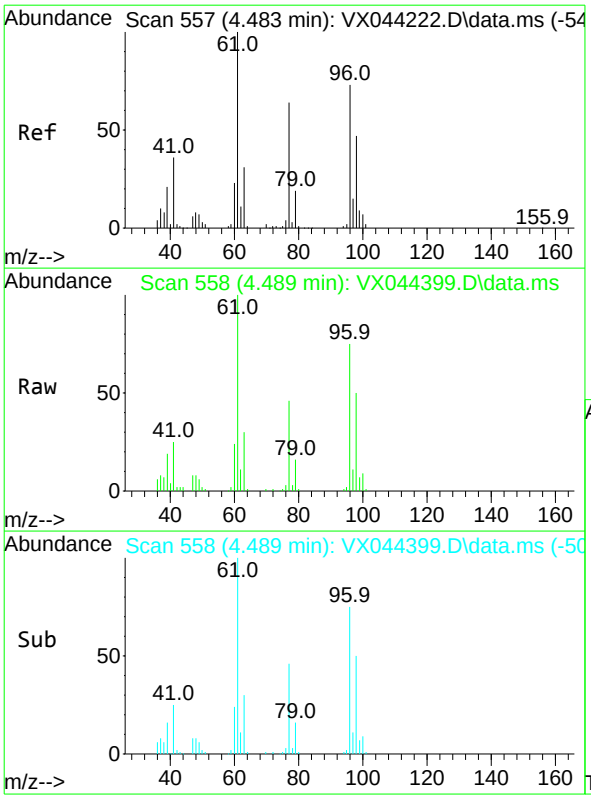



#26
2,2-Dichloropropane
Concen: 15.708 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 77 Resp: 38575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.3 | 10.7 | 32.1 |






#27
cis-1,2-Dichloroethene
Concen: 20.385 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 96 Resp: 39781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.6 | 0.0 | 299.0 |
| 98 | 63.0 | 0.0 | 129.0 |

**Instrument :**
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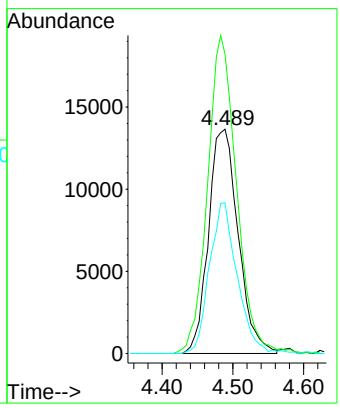
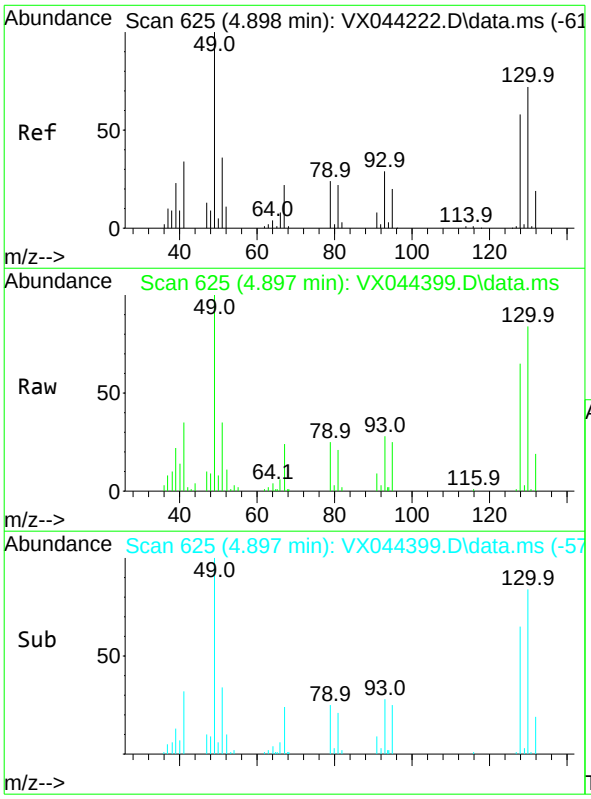
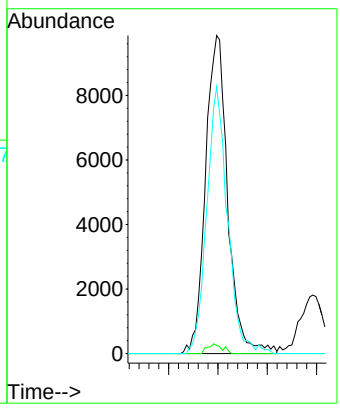


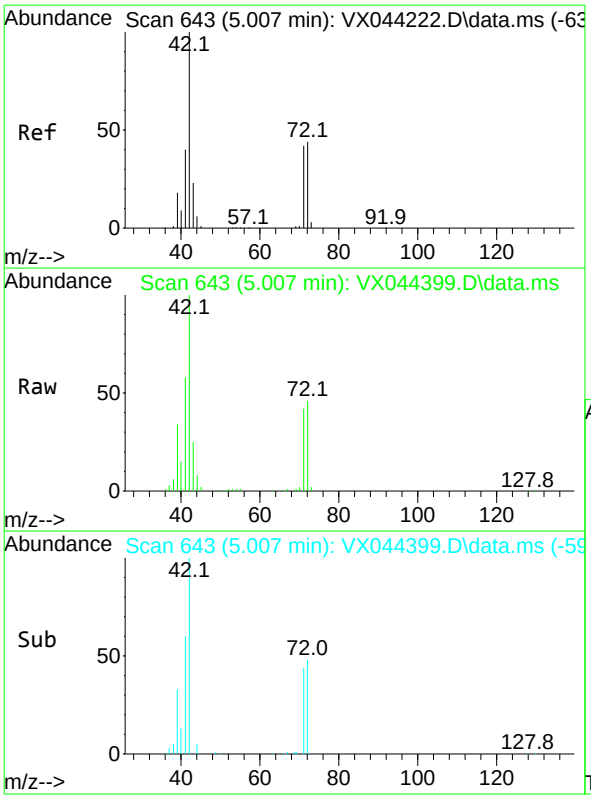




#28
Bromochloromethane
Concen: 20.816 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 49 Resp: 30856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.2 |
| 130 | 77.8 | 62.1 | 93.1 |

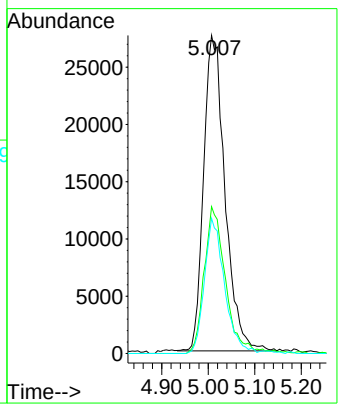





#29
Tetrahydrofuran
Concen: 104.485 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 42 Resp: 87910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.8 | 37.0 | 55.6 |
| 71 | 40.2 | 33.6 | 50.4 |




**Instrument :**
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**ClientSampleId :**
VX1218WBS02

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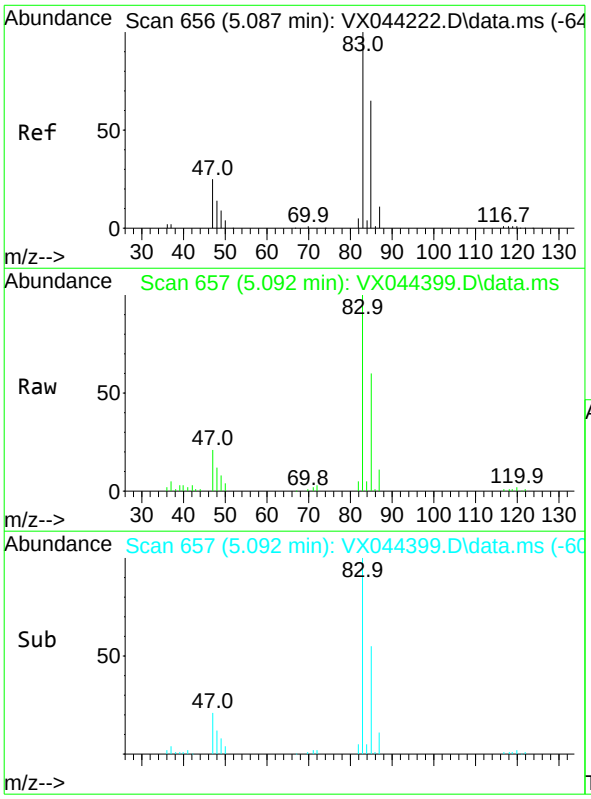
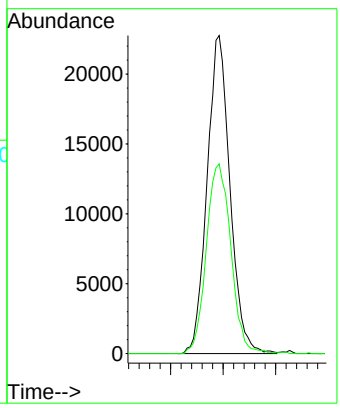
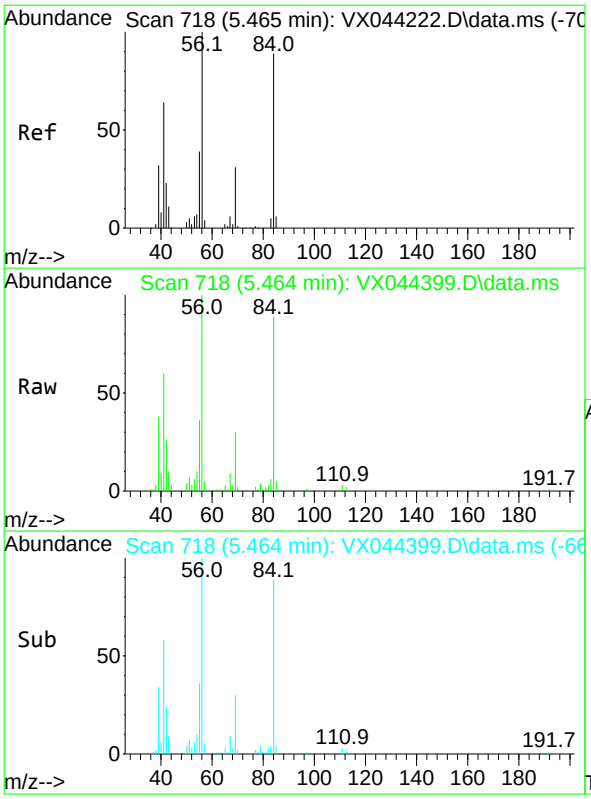



#30
Chloroform
Concen: 20.289 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 83 Resp: 68906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 59.7 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 17.759 ug/l
RT: 5.464 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 56 Resp: 43349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.5 | 24.7 | 37.1 |
| 84 | 86.9 | 71.0 | 106.6 |

**Instrument :**
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VX1218WBS02

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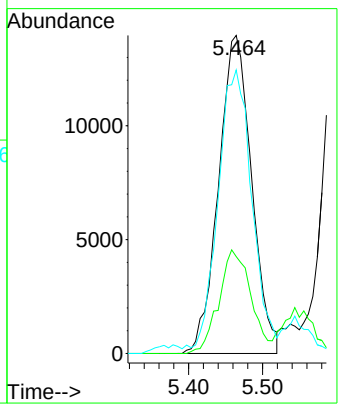
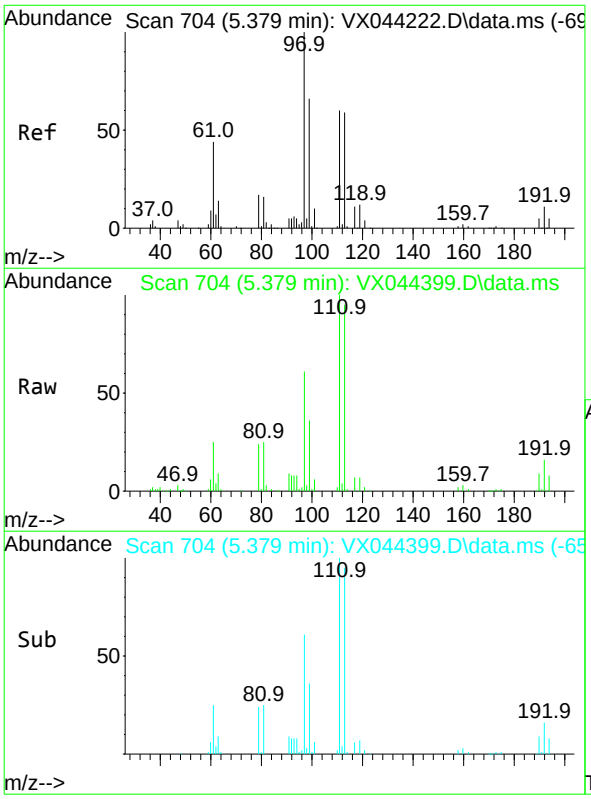
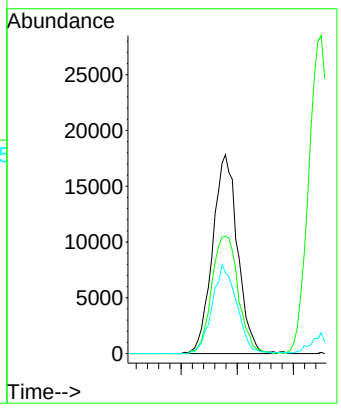


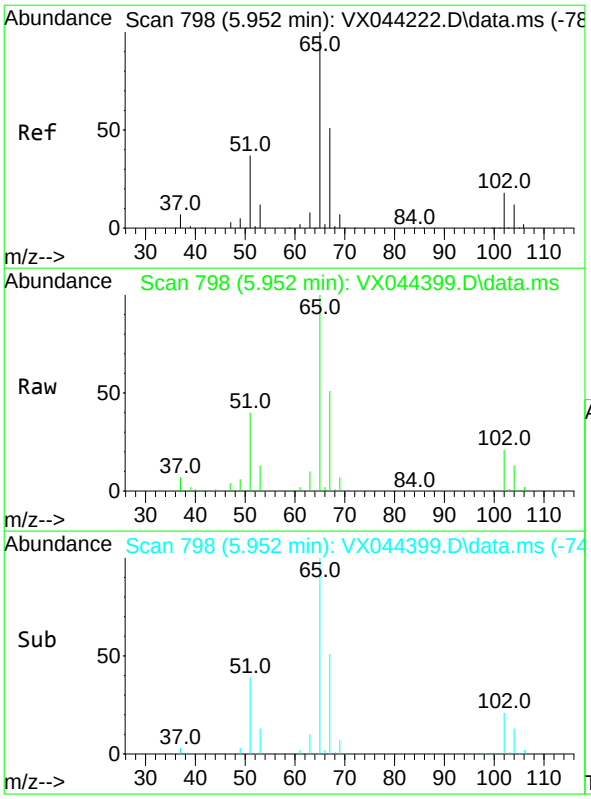




#32
1,1,1-Trichloroethane
Concen: 19.547 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 97 Resp: 55108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.9 | 50.8 | 76.2 |
| 61 | 43.7 | 35.2 | 52.8 |

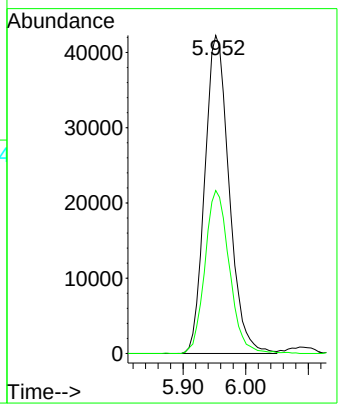





#33
1,2-Dichloroethane-d4
Concen: 50.457 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 65 Resp: 114115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 101.6 |

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MSVOA_X
**ClientSampleId :**
VX1218WBS02

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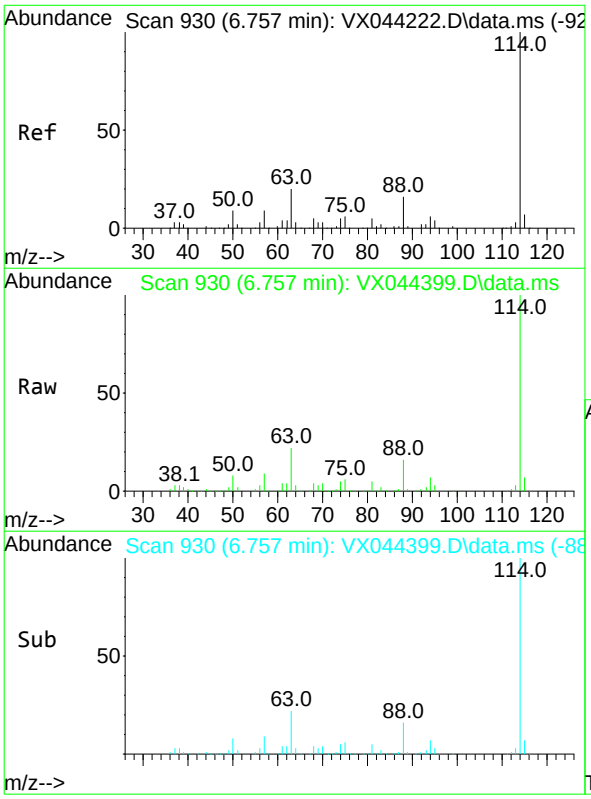
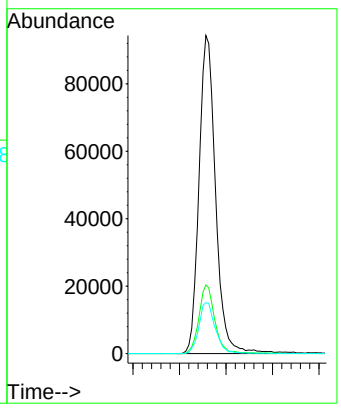
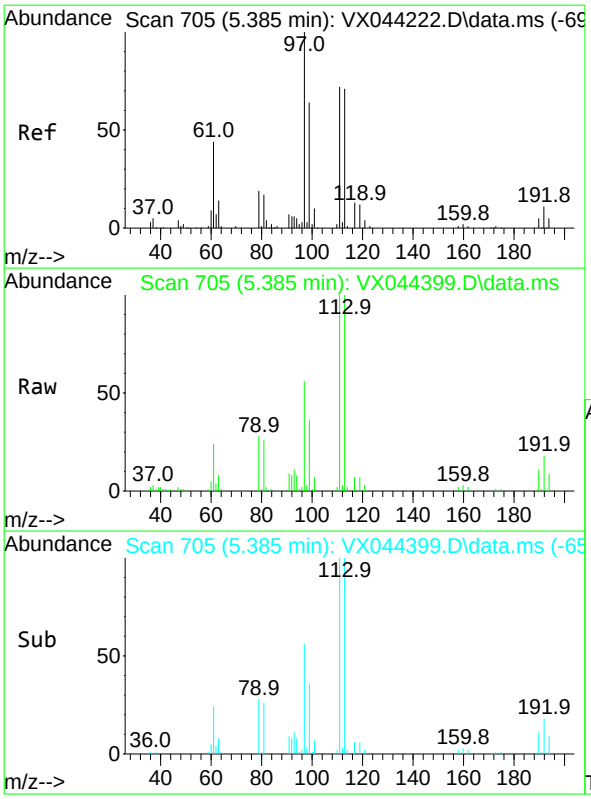



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:114 Resp: 233001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.6 | 0.0 | 40.6 |
| 88 | 16.0 | 0.0 | 31.8 |

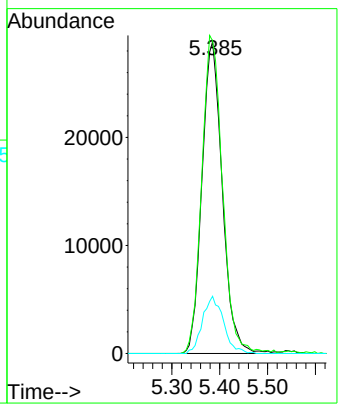





#35
Dibromofluoromethane
Concen: 52.694 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:113 Resp: 85034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.3 | 80.4 | 120.6 |
| 192 | 19.0 | 13.3 | 19.9 |

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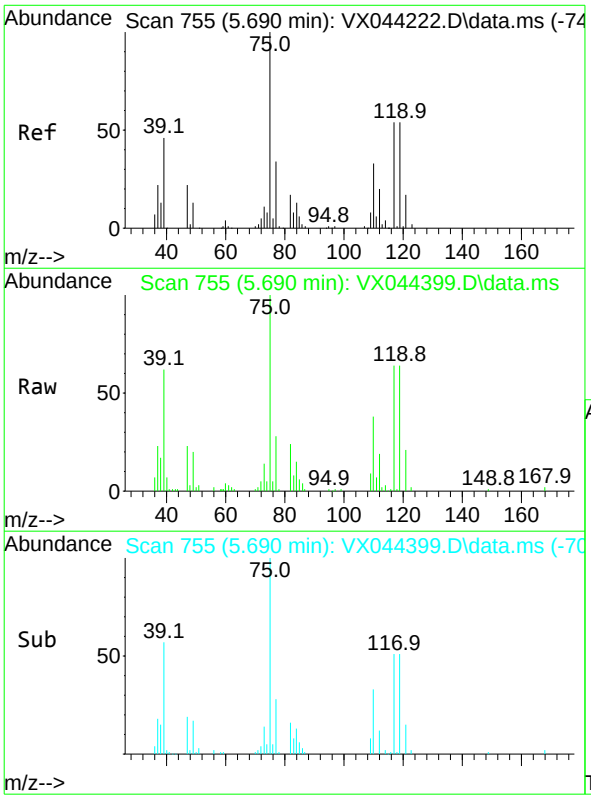
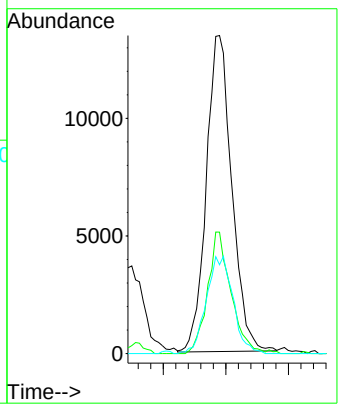
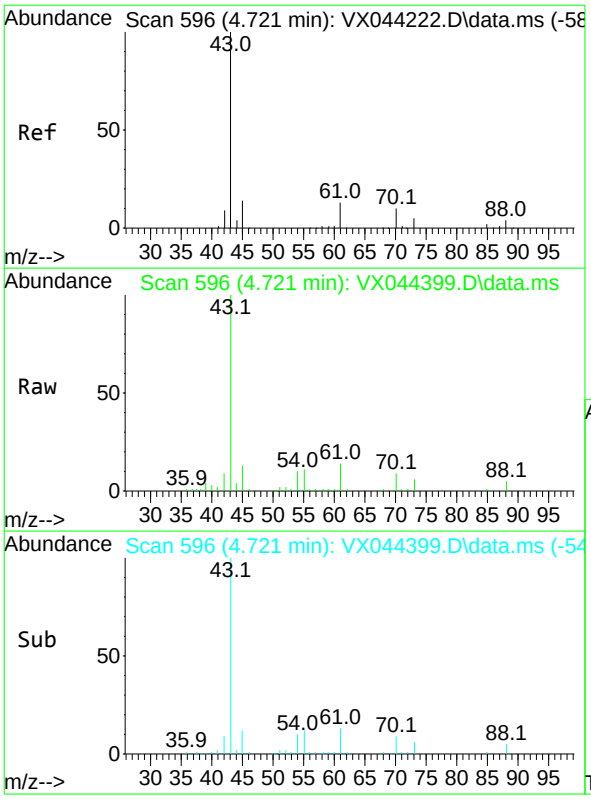



#36
1,1-Dichloropropene
Concen: 18.259 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 75 Resp: 38087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.1 | 17.3 | 51.7 |
| 77 | 32.0 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 20.100 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 43 Resp: 51828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 9.8 | 14.8 |
| 70 | 10.5 | 7.7 | 11.5 |

**Manual Integrations**
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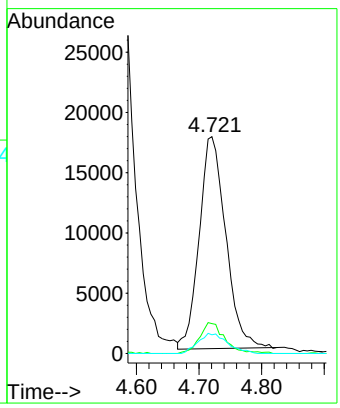
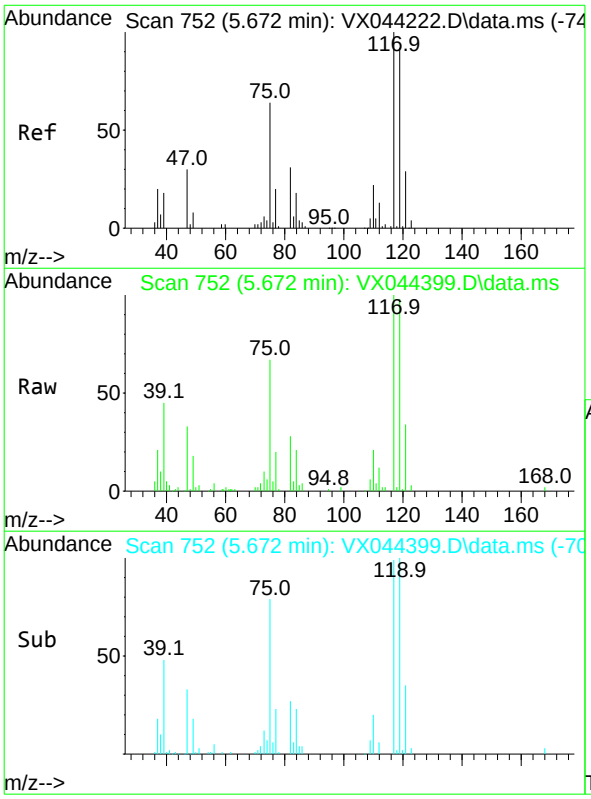
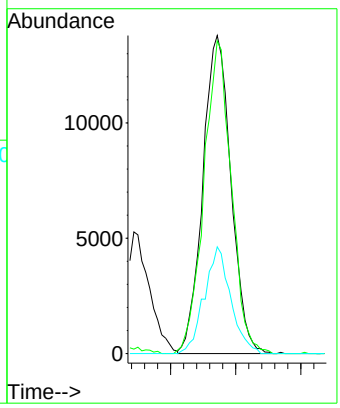


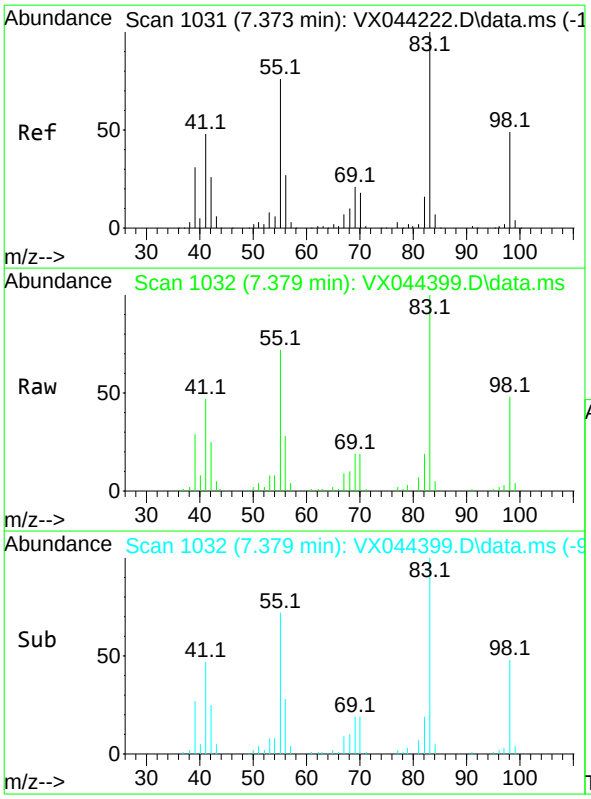




#38
Carbon Tetrachloride
Concen: 18.435 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:117 Resp: 41400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.3 | 74.2 | 111.4 |
| 121 | 33.6 | 23.0 | 34.6 |

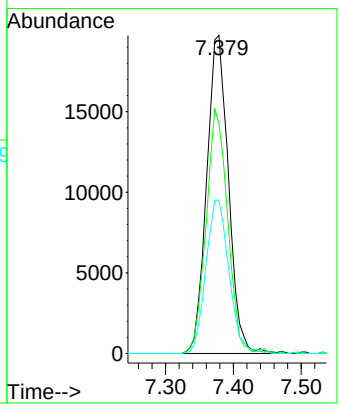





#39
Methylcyclohexane
Concen: 17.665 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 83 Resp: 44052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.3 | 60.7 | 91.1 |
| 98 | 48.2 | 38.9 | 58.3 |

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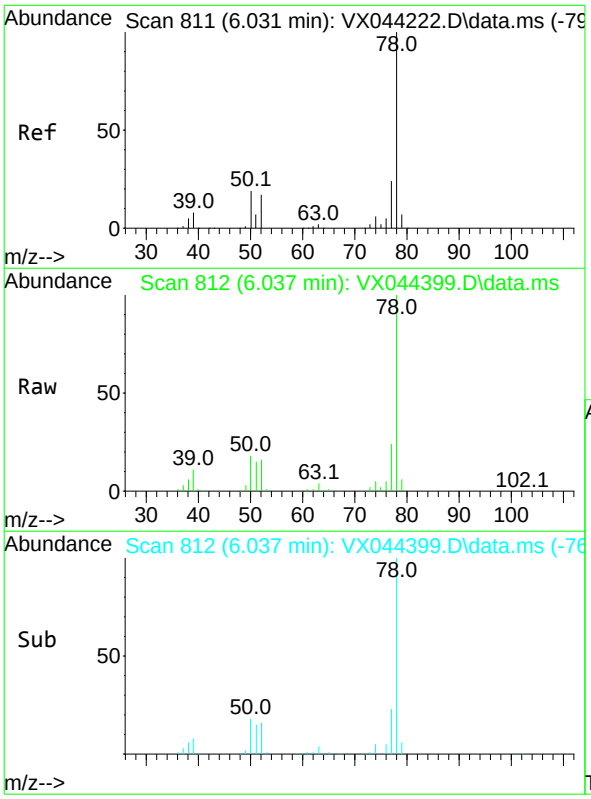
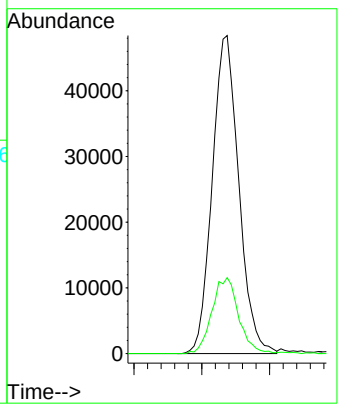
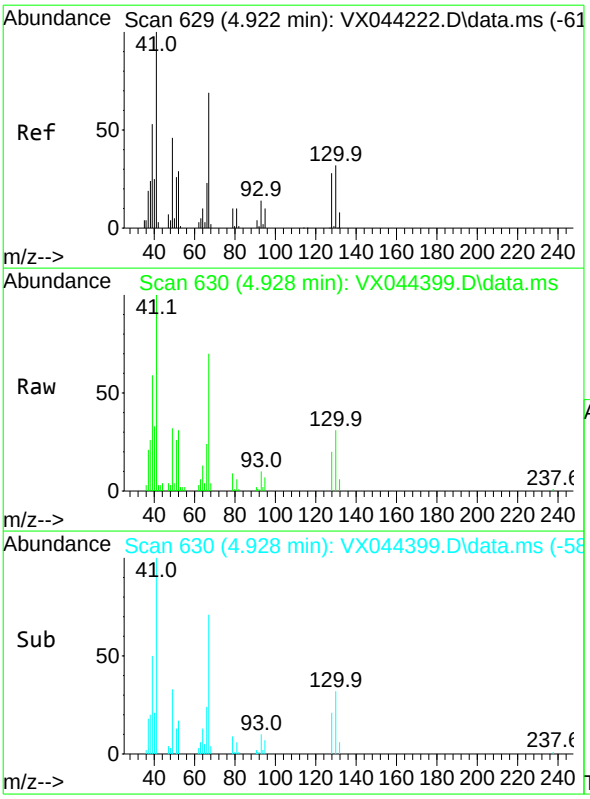



#40
Benzene
Concen: 20.769 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 78 Resp: 131536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.3 | 28.9 |

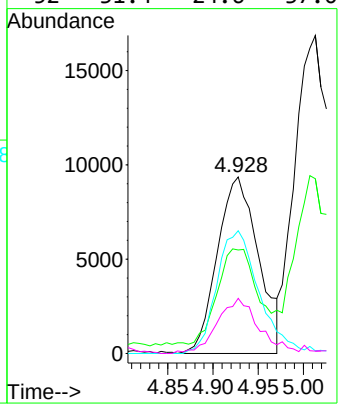





#41
Methacrylonitrile
Concen: 21.629 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 41 Resp: 29615

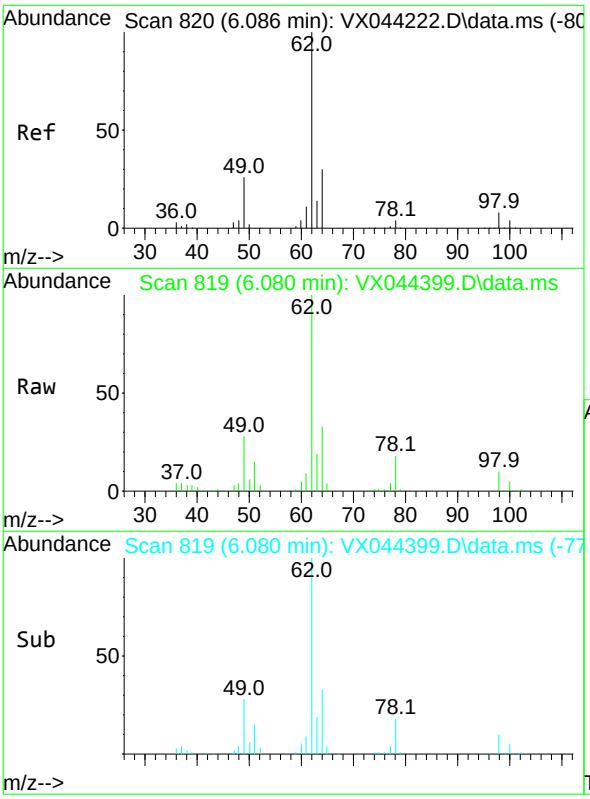
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.6 | 44.2 | 66.4 |
| 67 | 71.9 | 57.2 | 85.8 |
| 52 | 31.4 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

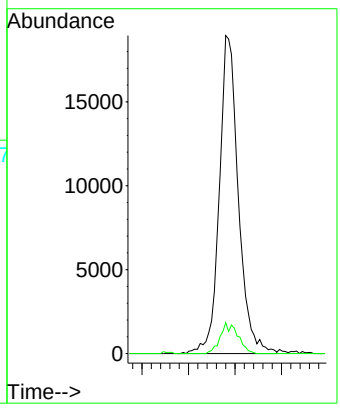
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

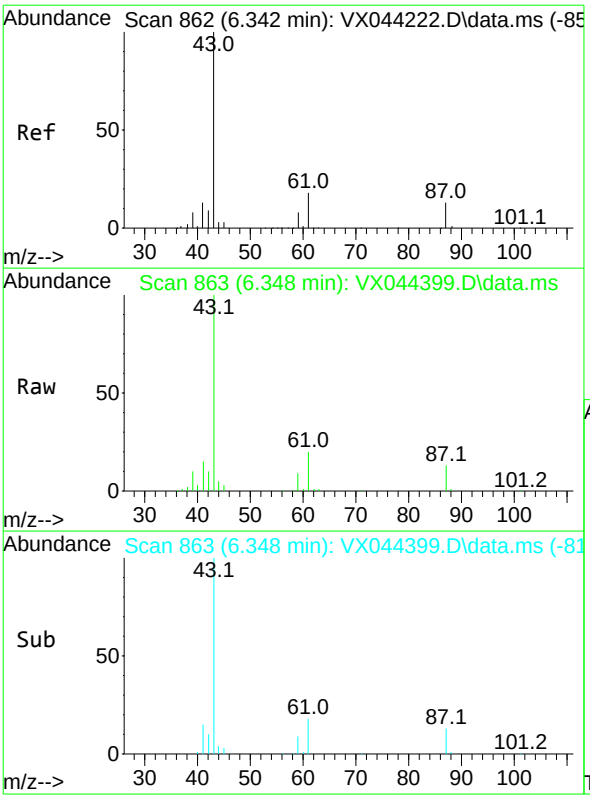



#42
1,2-Dichloroethane
Concen: 20.639 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 62 Resp: 53845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 15.8 |

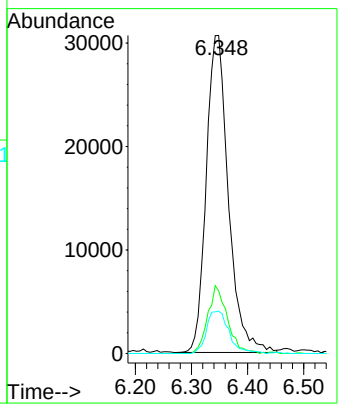





#43
Isopropyl Acetate
Concen: 20.849 ug/l
RT: 6.348 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 43 Resp: 84024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 14.2 | 21.2 |
| 87 | 13.6 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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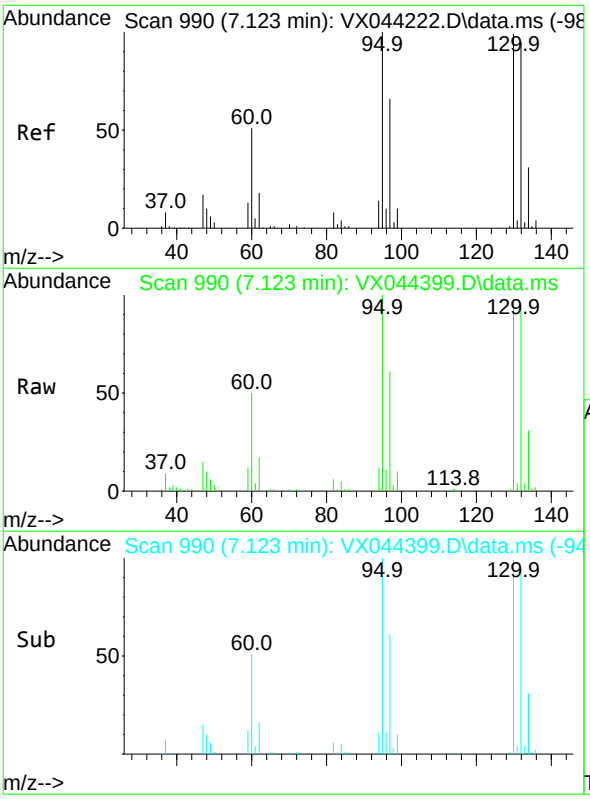
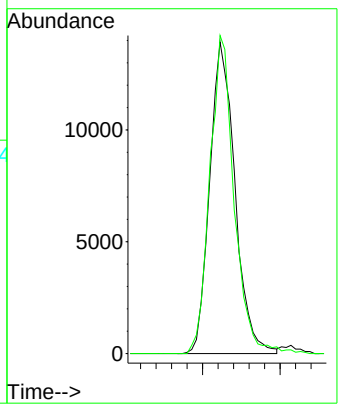
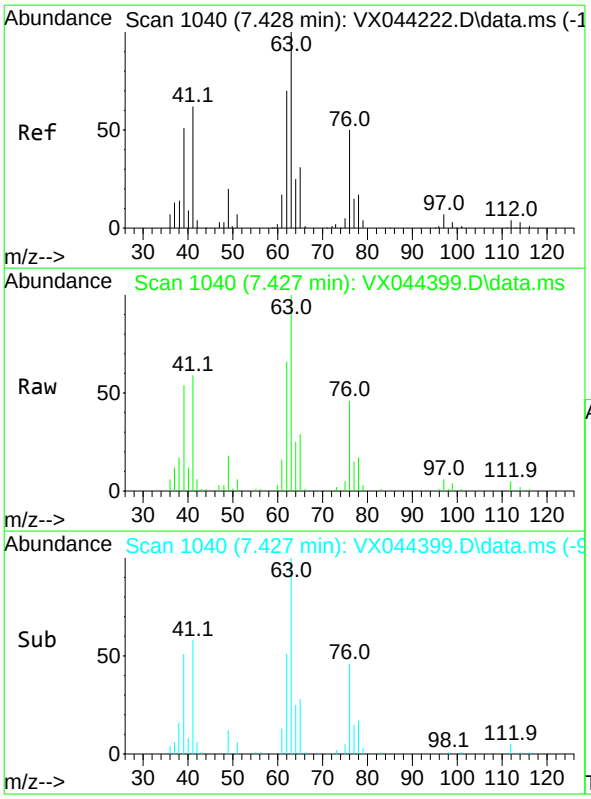



#44
Trichloroethene
Concen: 19.941 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:130 Resp: 31494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.1 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 20.711 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 63 Resp: 33512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.8 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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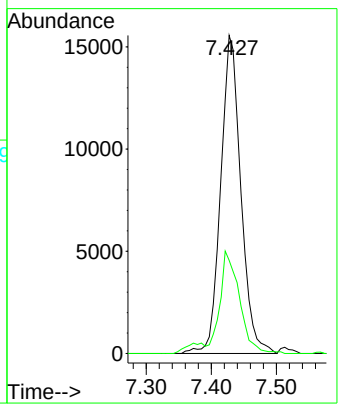
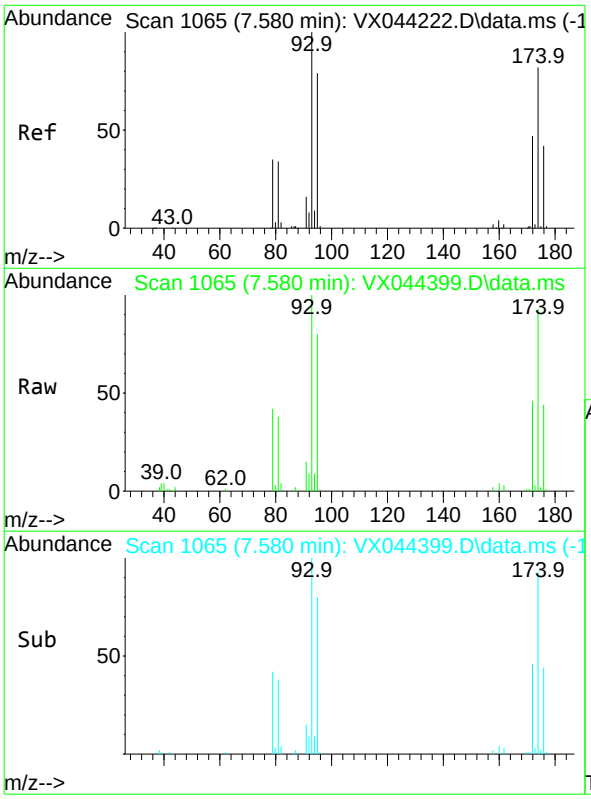
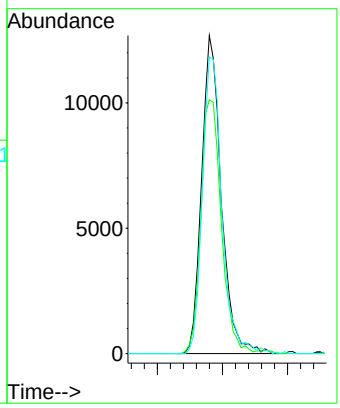


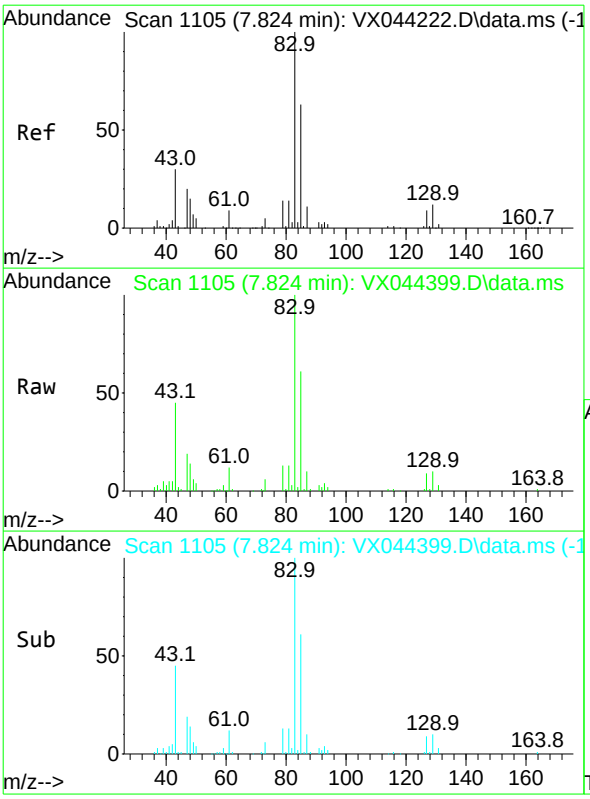




#46
Dibromomethane
Concen: 21.182 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 93 Resp: 26590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.2 | 65.4 | 98.2 |
| 174 | 92.7 | 67.9 | 101.9 |

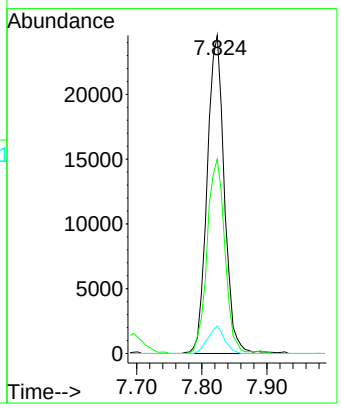





#47
Bromodichloromethane
Concen: 20.717 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 83 Resp: 44915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.2 | 50.6 | 75.8 |
| 127 | 8.6 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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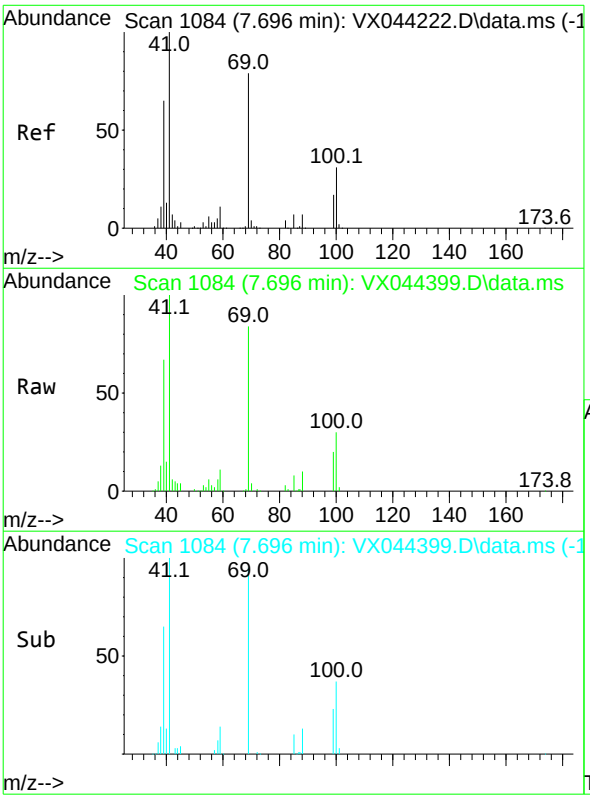
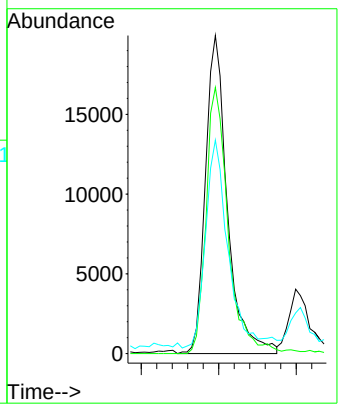
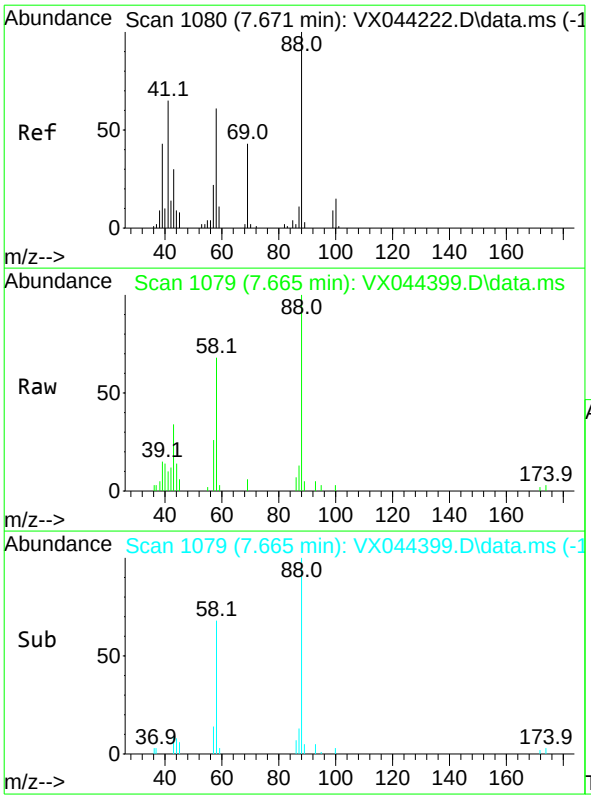



#48
Methyl methacrylate
Concen: 20.050 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 41 Resp: 39226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.0 | 62.4 | 93.6 |
| 39 | 66.2 | 53.3 | 79.9 |

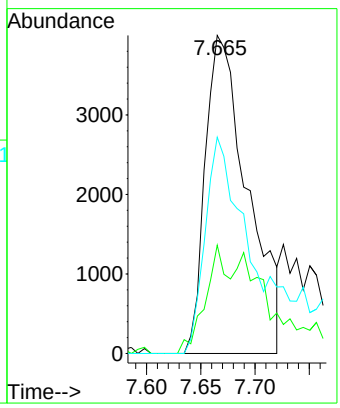





#49
1,4-Dioxane
Concen: 335.893 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 88 Resp: 10895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 27.1 | 40.7# |
| 58 | 60.8 | 41.0 | 61.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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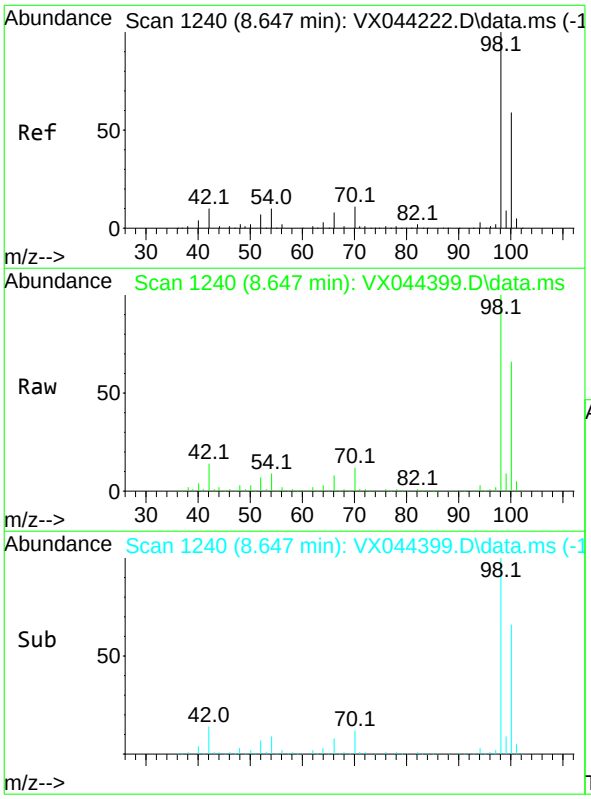
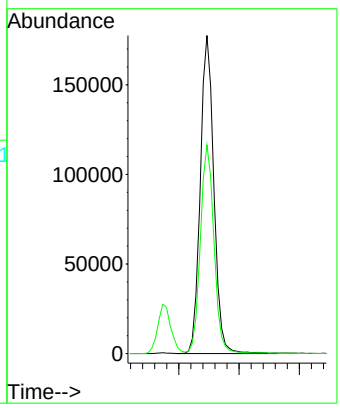
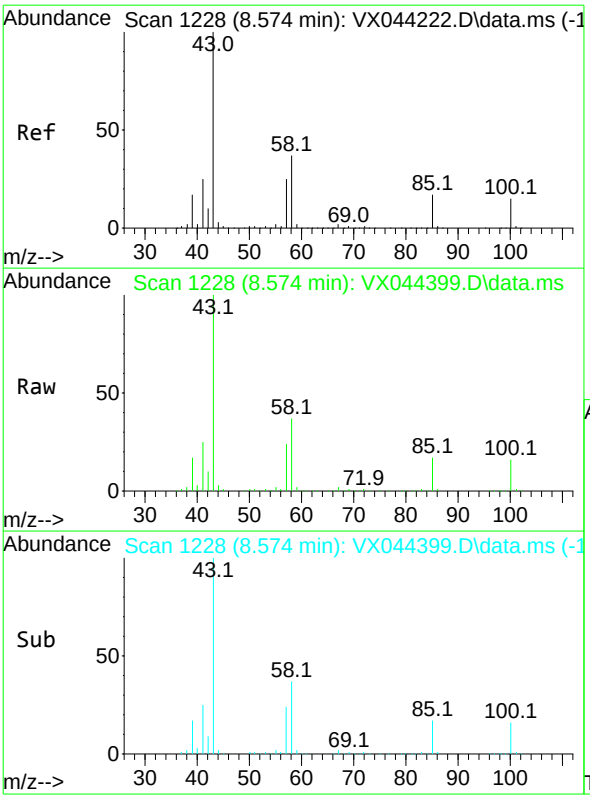



#50
Toluene-d8
Concen: 50.909 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 98 Resp: 277165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 51.5 | 77.3 |






#51
4-Methyl-2-Pentanone
Concen: 106.686 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 43 Resp: 276459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.4 | 29.4 | 44.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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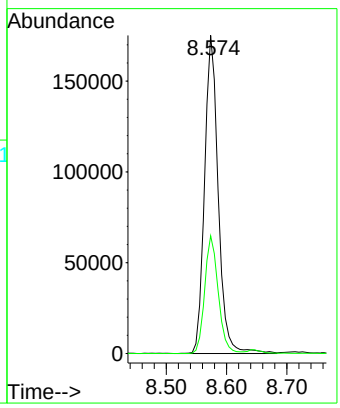
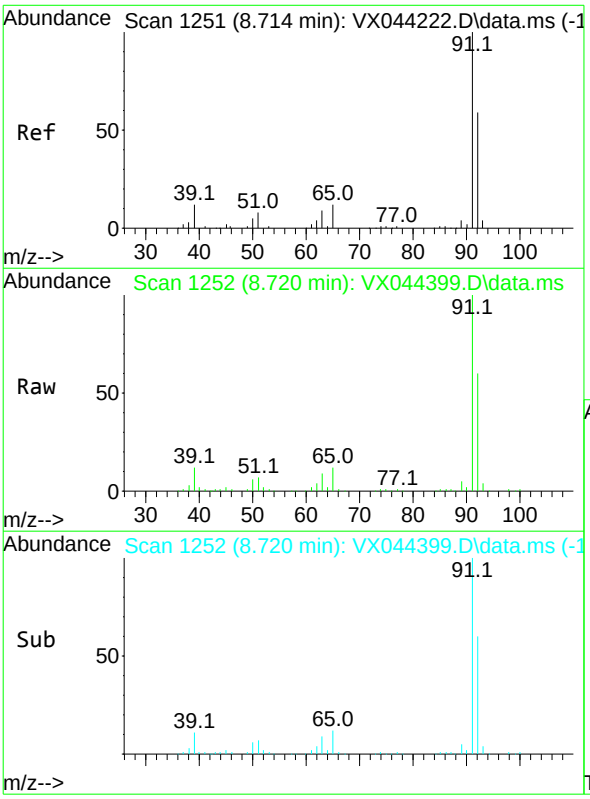
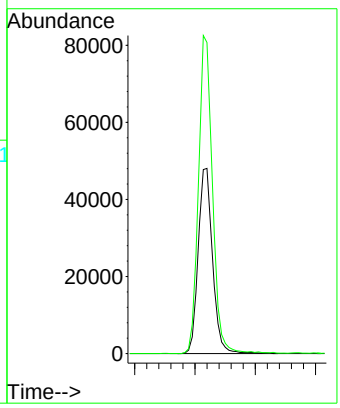


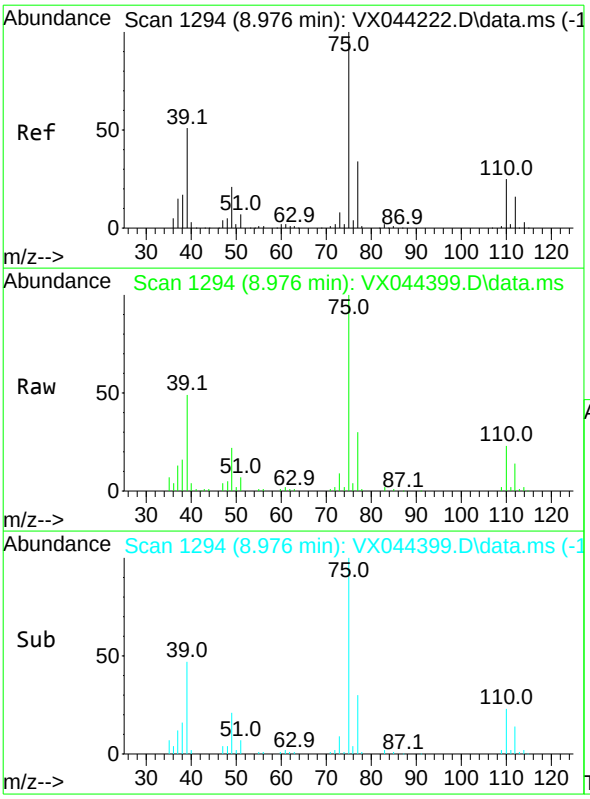




#52
Toluene
Concen: 20.006 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 92 Resp: 79570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.2 | 137.0 | 205.6 |

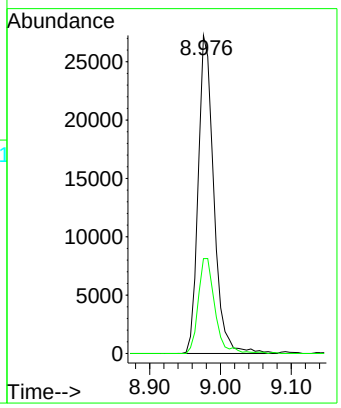





#53
t-1,3-Dichloropropene
Concen: 19.130 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 75 Resp: 41702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.8 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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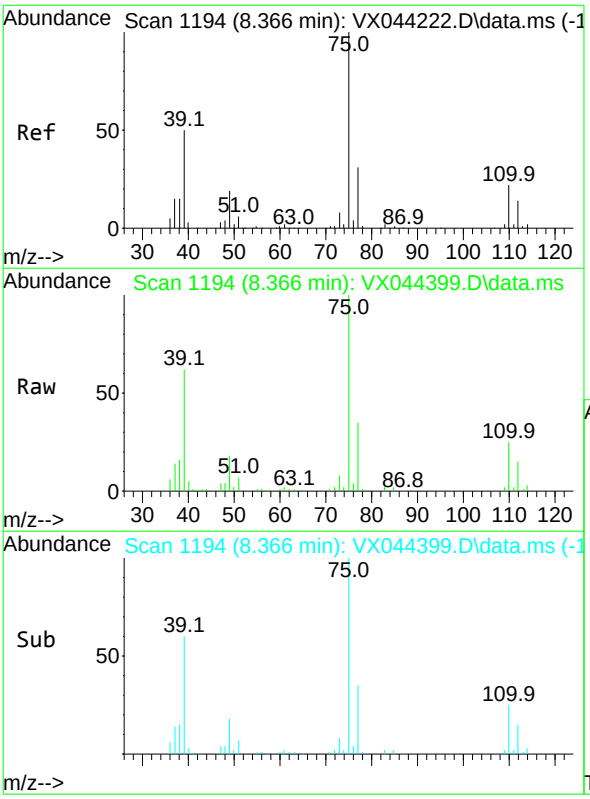
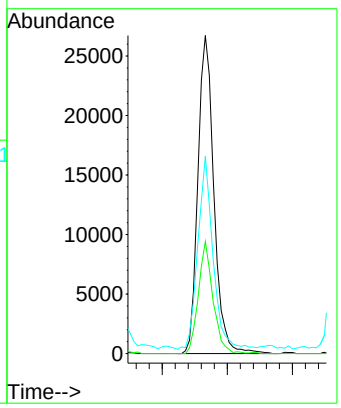
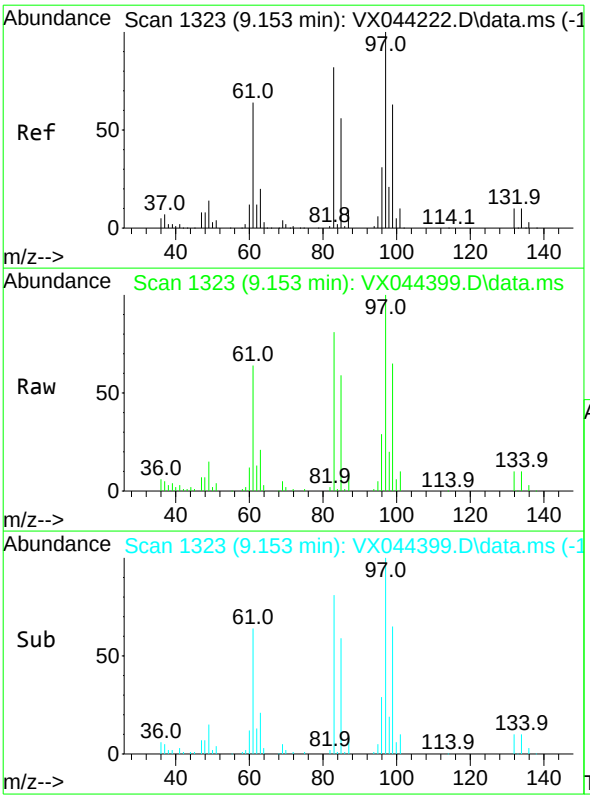



#54
cis-1,3-Dichloropropene
Concen: 19.319 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 75 Resp: 45604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.3 | 24.7 | 37.1 |
| 39 | 60.7 | 40.3 | 60.5# |






#55
1,1,2-Trichloroethane
Concen: 21.643 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 97 Resp: 34197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.0 | 65.3 | 97.9 |
| 85 | 59.1 | 44.6 | 67.0 |
| 99 | 63.9 | 50.2 | 75.2 |

**Manual Integrations**
**APPROVED**

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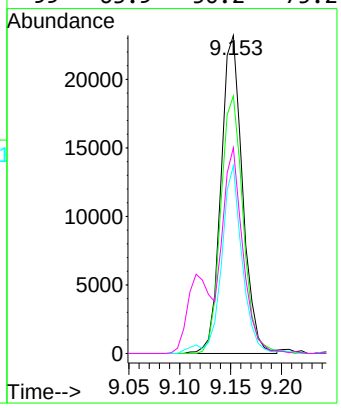
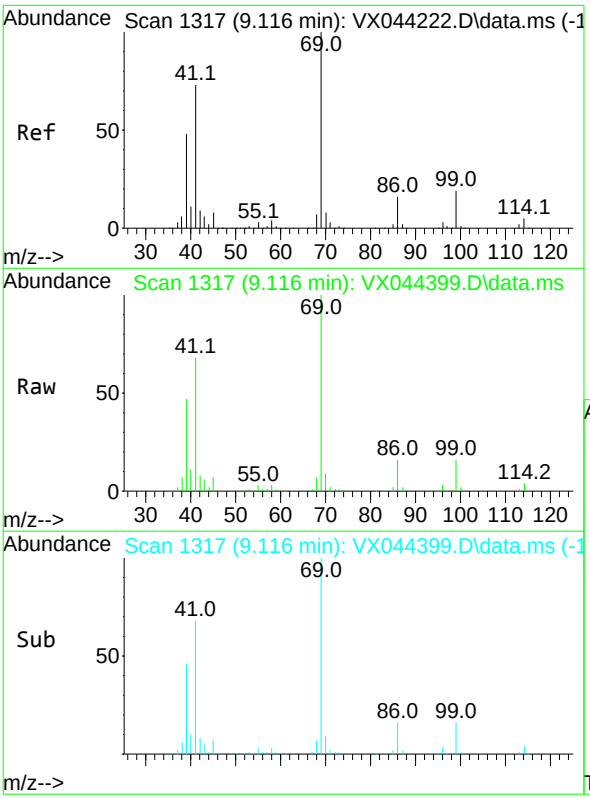
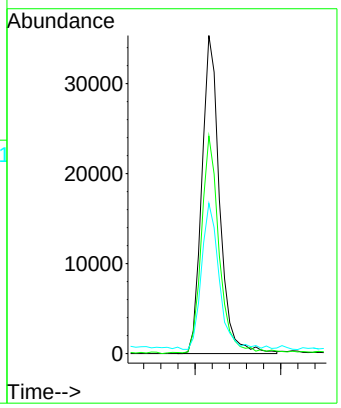


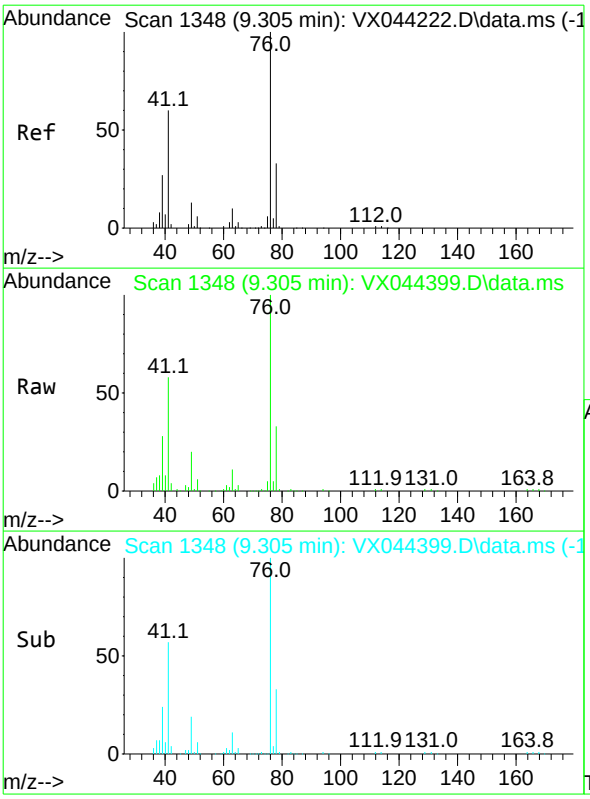




#56
Ethyl methacrylate
Concen: 20.388 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 69 Resp: 50855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 56.6 | 85.0 |
| 39 | 45.9 | 37.4 | 56.0 |

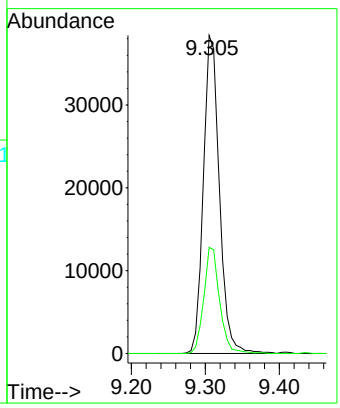





#57
1,3-Dichloropropane
Concen: 20.991 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 76 Resp: 57729

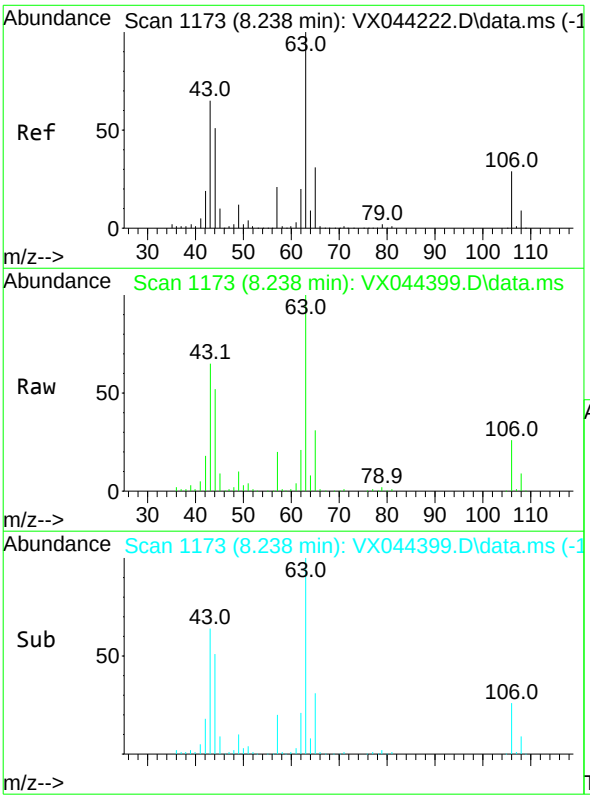
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.0 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

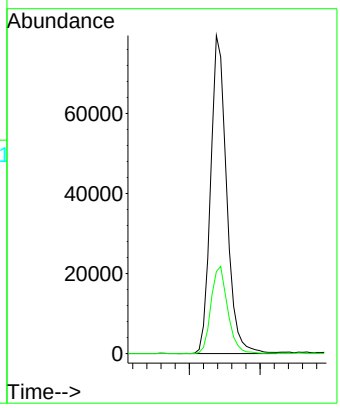
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

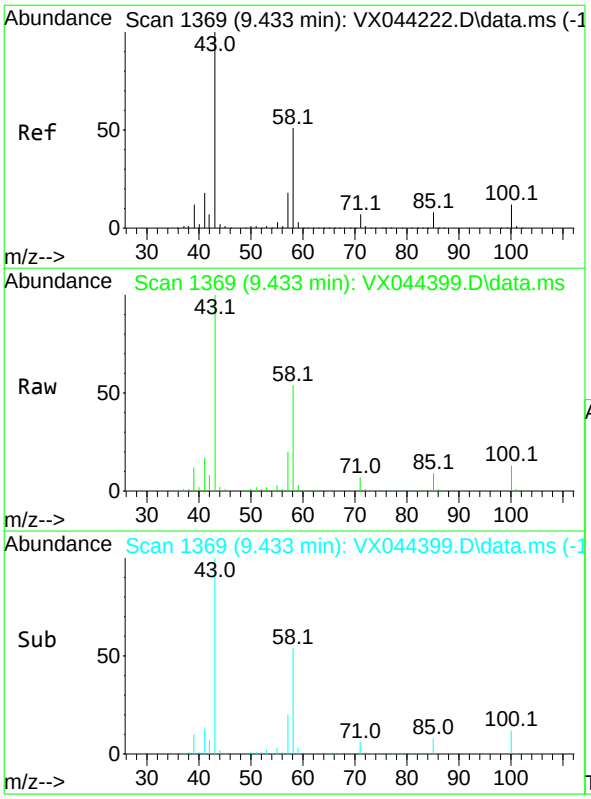



#58
2-Chloroethyl Vinyl ether
Concen: 99.300 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 63 Resp: 124927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.5 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 105.460 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

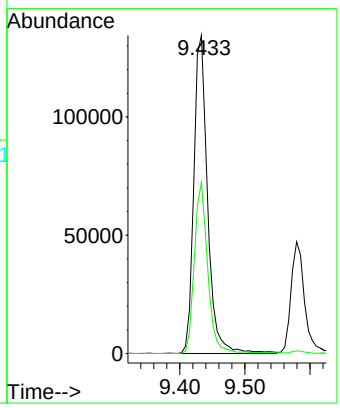
Tgt Ion: 43 Resp: 197809

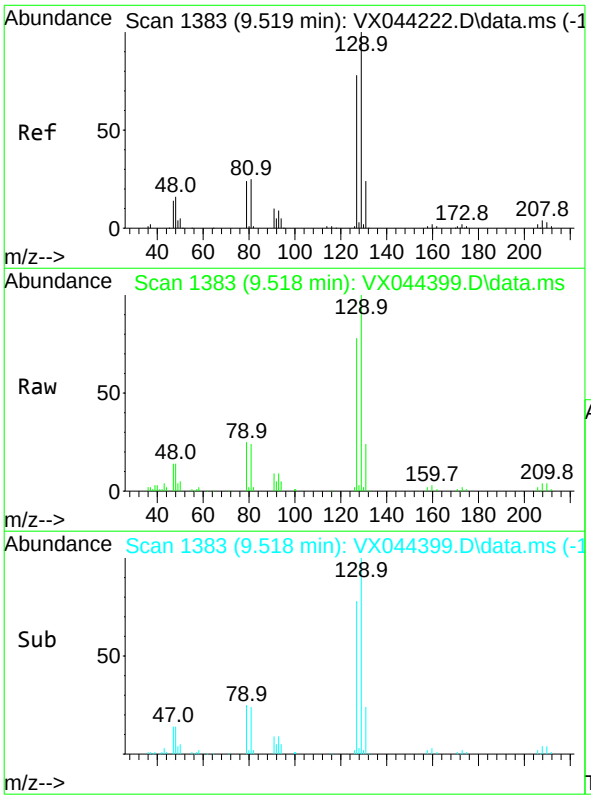
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

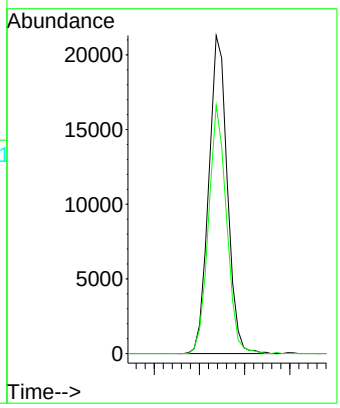


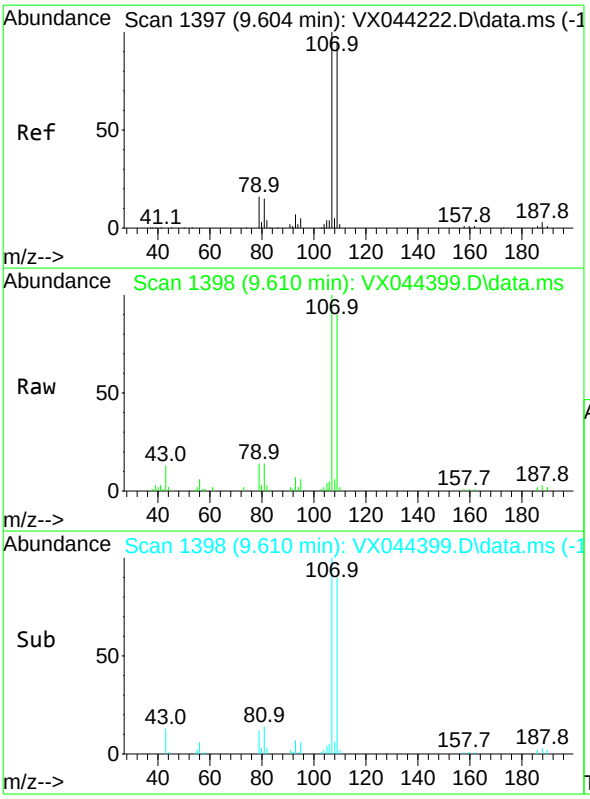




#60
Dibromochloromethane
Concen: 19.439 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:129 Resp: 30374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.7 | 38.5 | 115.3 |

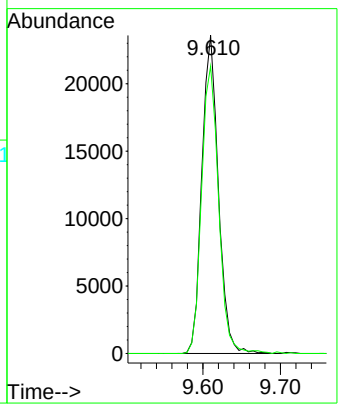





#61
1,2-Dibromoethane
Concen: 21.706 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:107 Resp: 34910

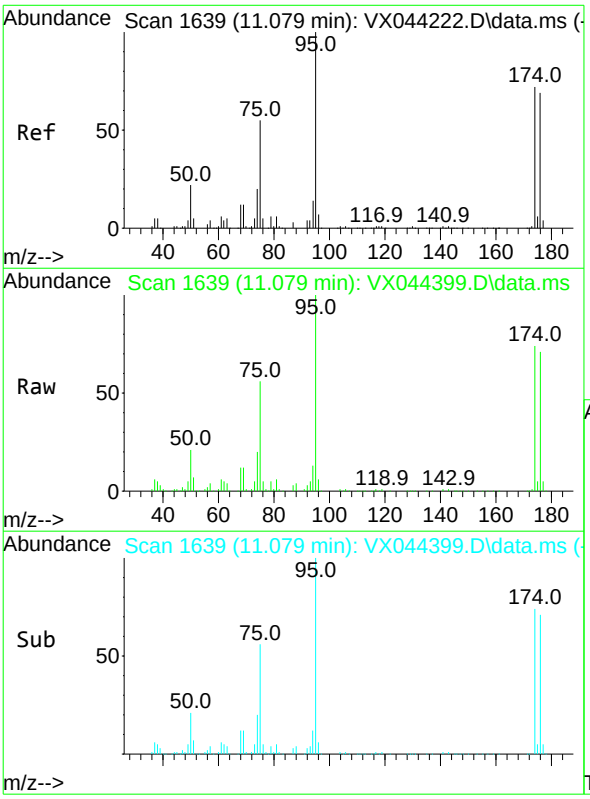
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.3 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

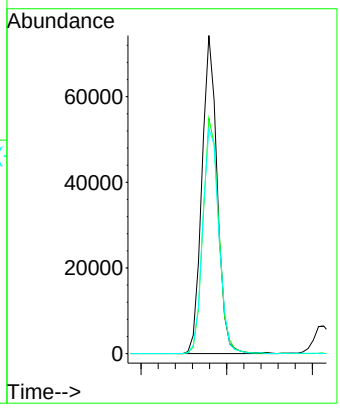
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

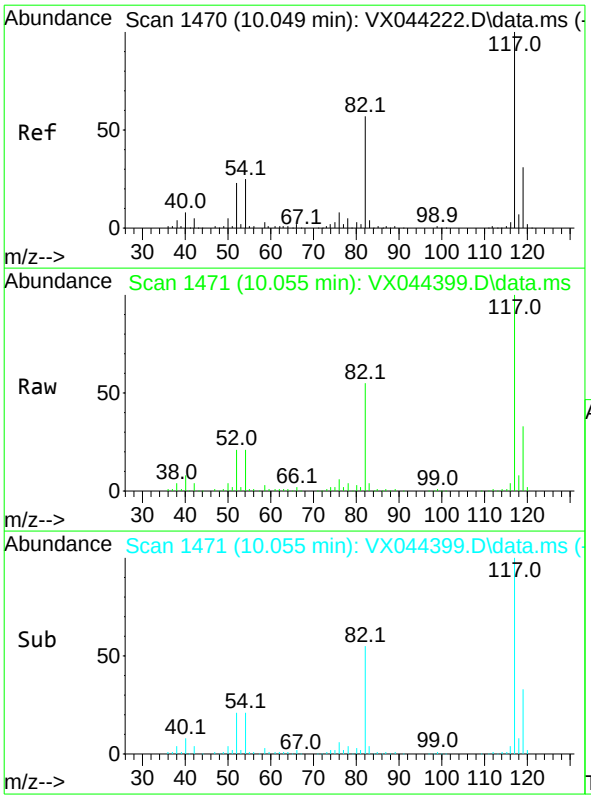



#62
4-Bromofluorobenzene
Concen: 48.522 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 95 Resp: 92307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.1 | 0.0 | 145.8 |
| 176 | 75.0 | 0.0 | 137.8 |

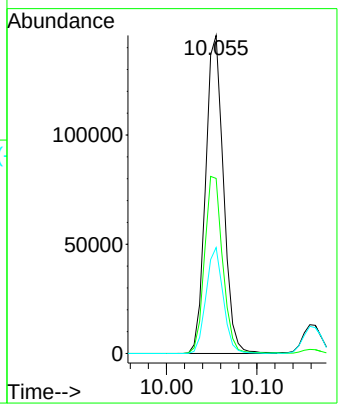





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:117 Resp: 200137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 45.8 | 68.8 |
| 119 | 33.3 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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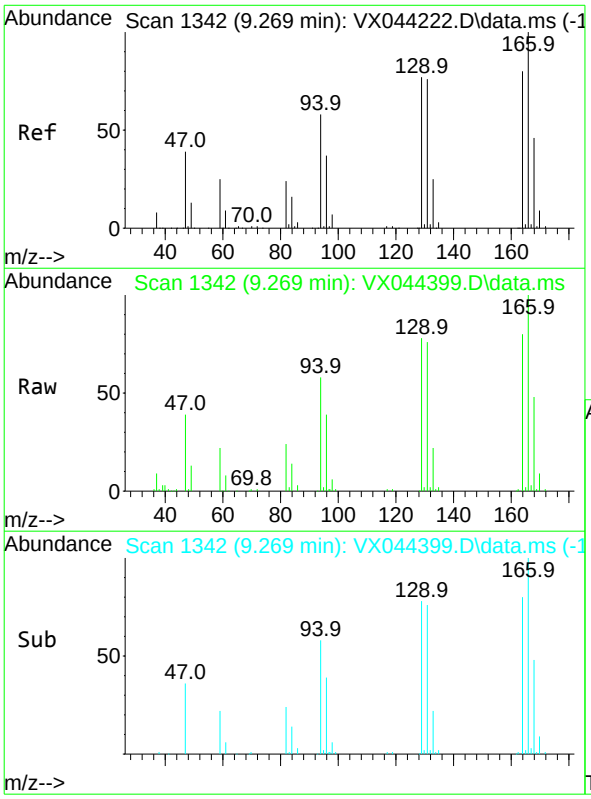
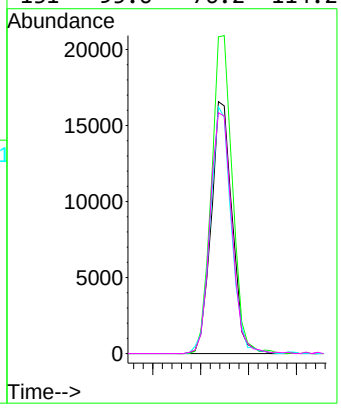
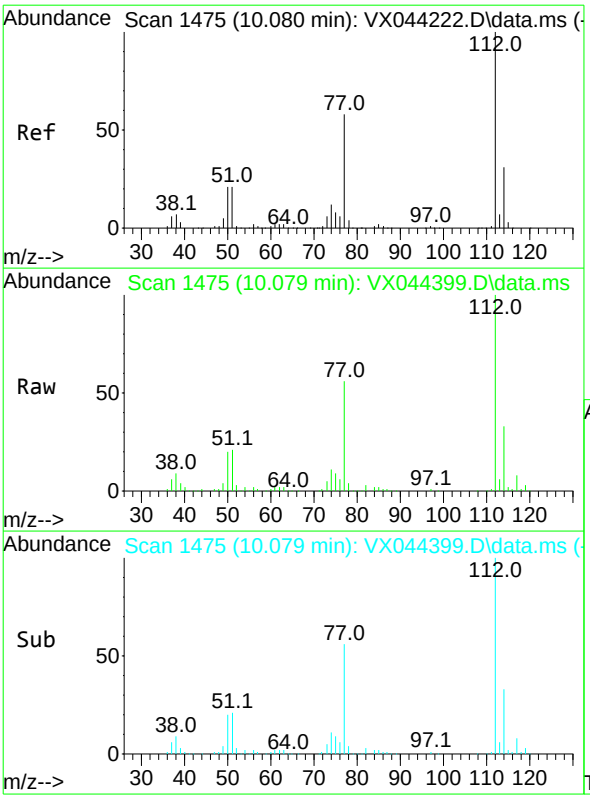



#64
Tetrachloroethene
Concen: 18.940 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:164 Resp: 25159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.7 | 100.4 | 150.6 |
| 129 | 98.0 | 77.2 | 115.8 |
| 131 | 95.6 | 76.2 | 114.2 |

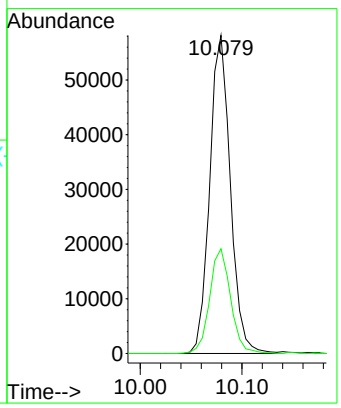





#65
Chlorobenzene
Concen: 19.115 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:112 Resp: 81973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.9 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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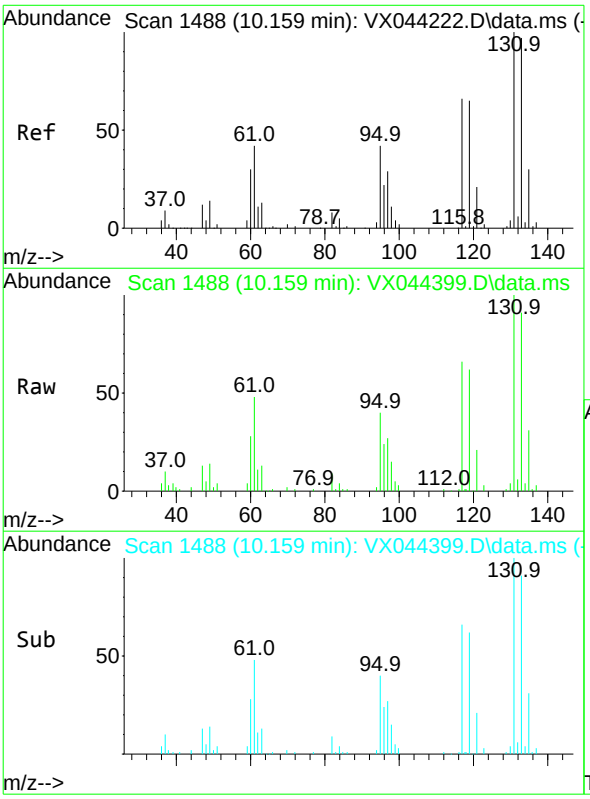
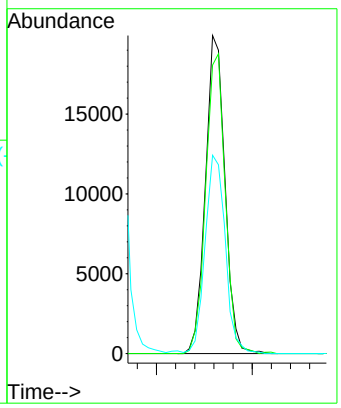
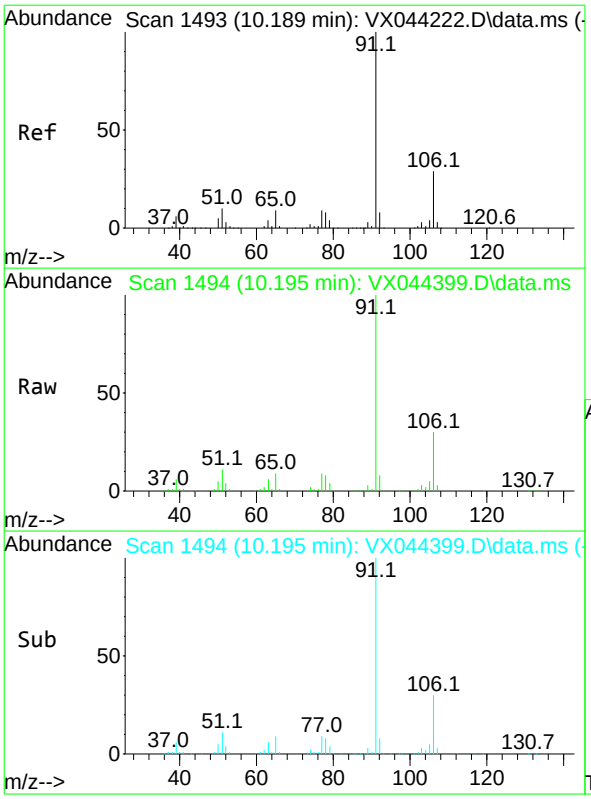



#66
1,1,1,2-Tetrachloroethane
Concen: 20.461 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:131 Resp: 28201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.0 | 47.3 | 141.8 |
| 119 | 65.0 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 18.778 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 91 Resp: 139144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 23.5 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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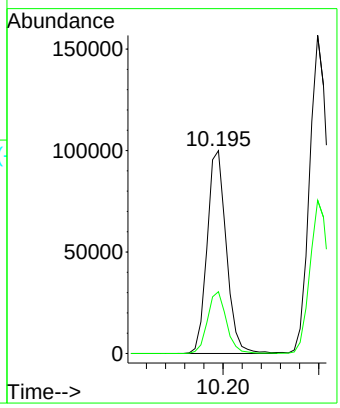
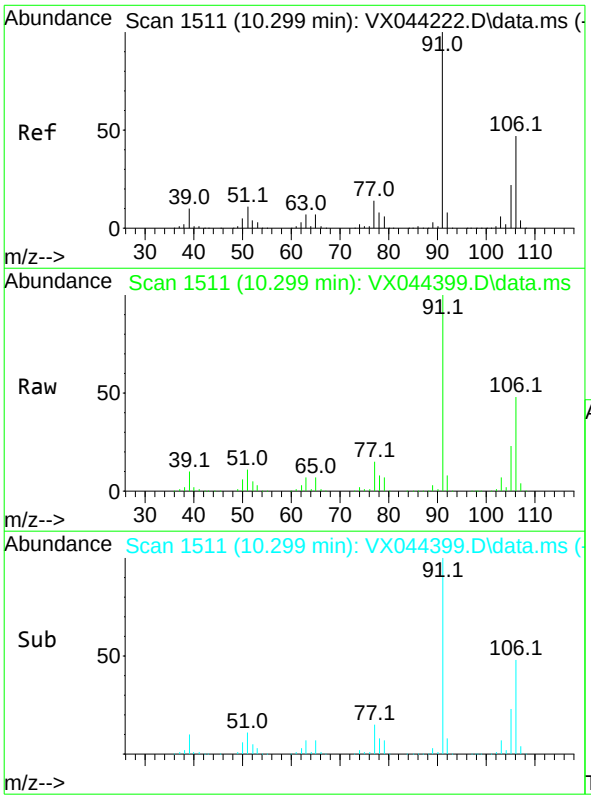
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

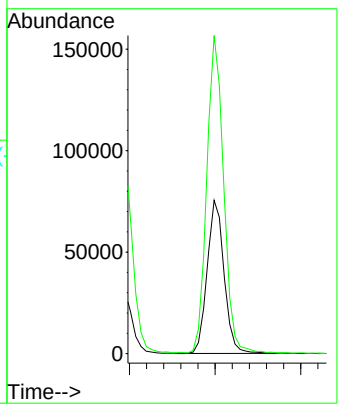


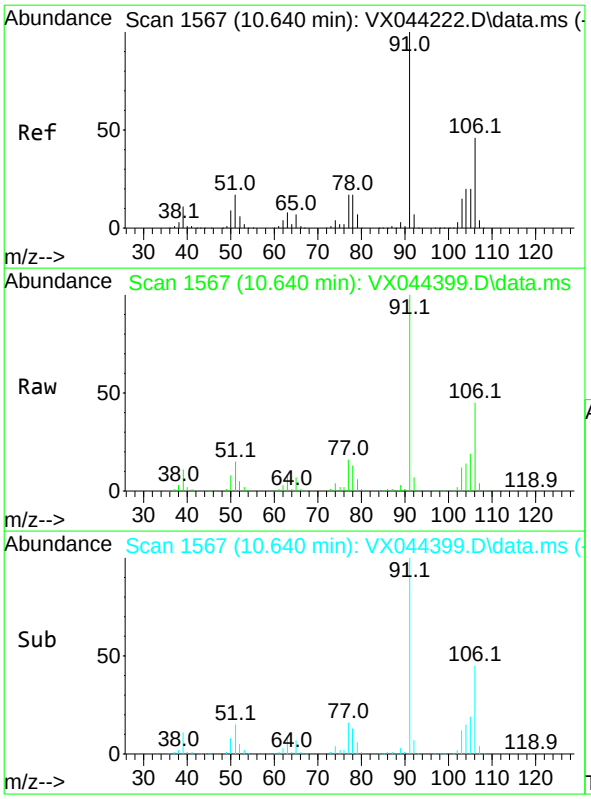




#68
m/p-Xylenes
Concen: 38.041 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:106 Resp: 103433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.3 | 170.2 | 255.2 |






#69
o-Xylene
Concen: 19.133 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:106 Resp: 52635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.8 | 112.3 | 337.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
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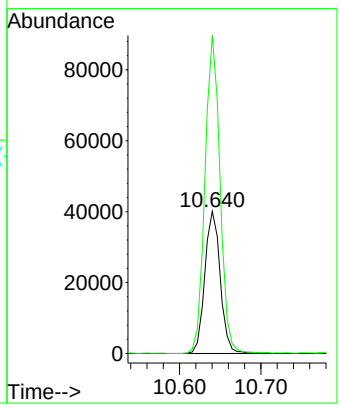
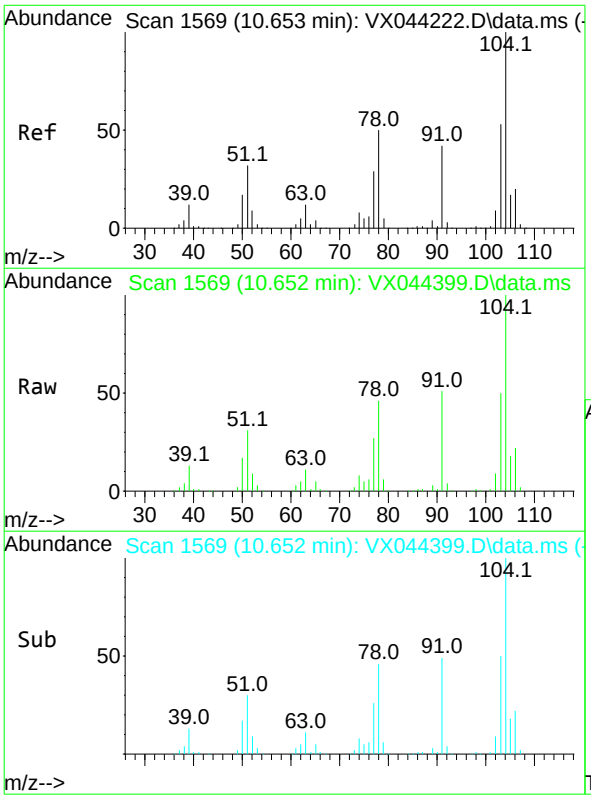
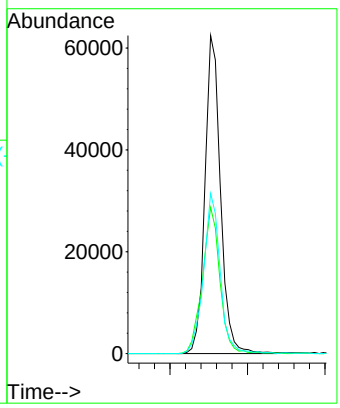


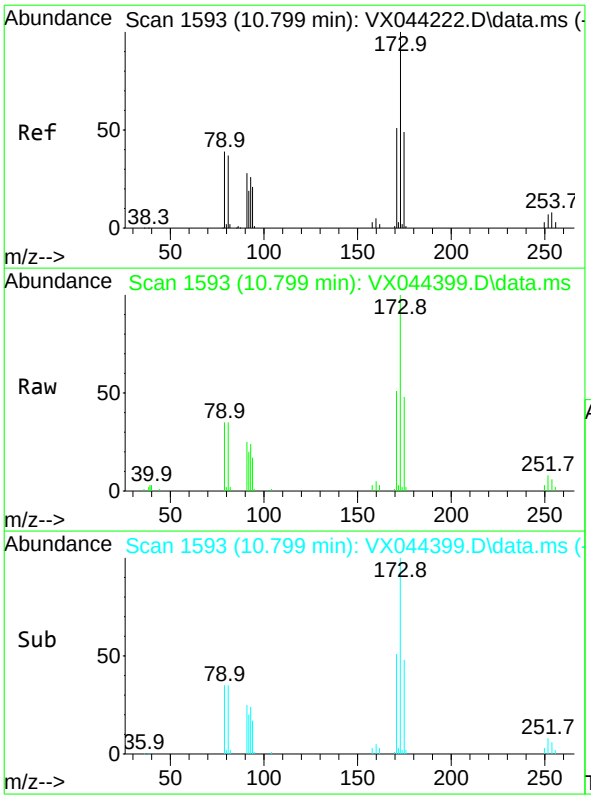




#70
Styrene
Concen: 19.740 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:104 Resp: 87058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 44.6 | 67.0 |
| 103 | 54.0 | 45.4 | 68.0 |

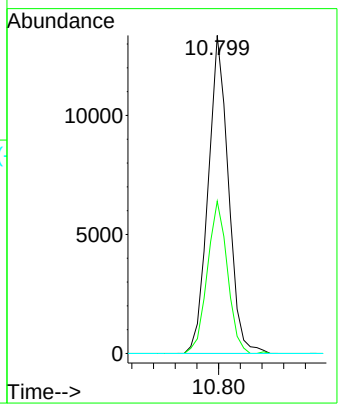





#71
Bromoform
Concen: 19.959 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:173 Resp: 17299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.5 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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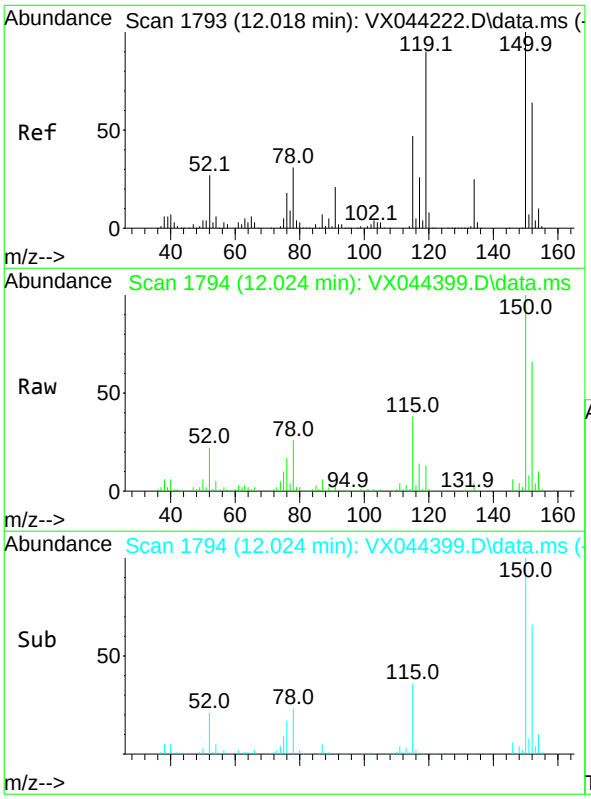
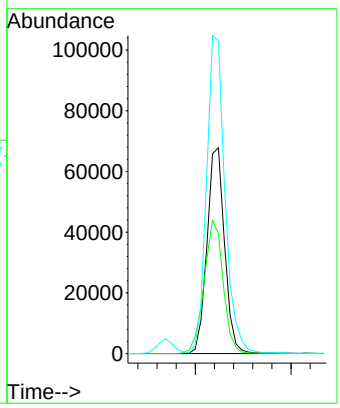
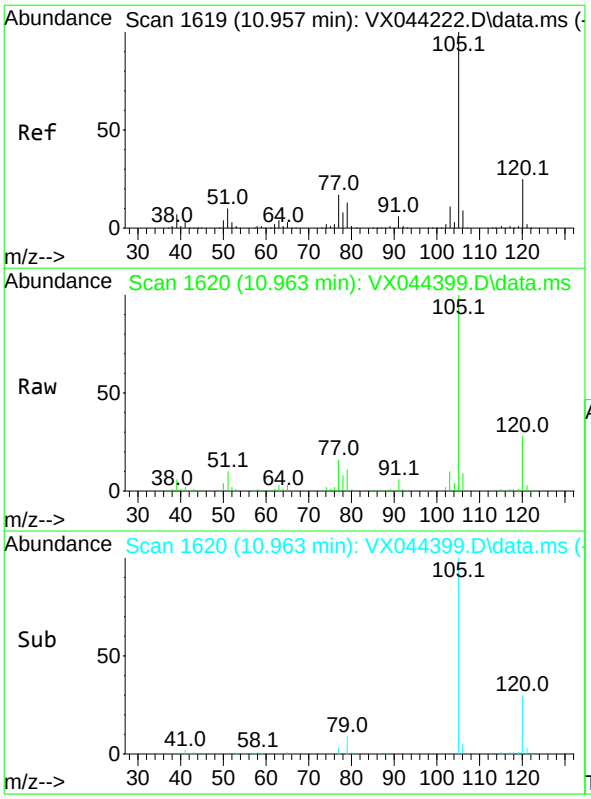



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:152 Resp: 86763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.0 | 44.5 | 133.3 |
| 150 | 160.3 | 0.0 | 353.8 |

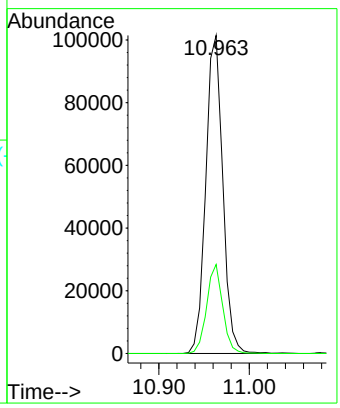





#73
Isopropylbenzene
Concen: 19.949 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:105 Resp: 132502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations APPROVED**

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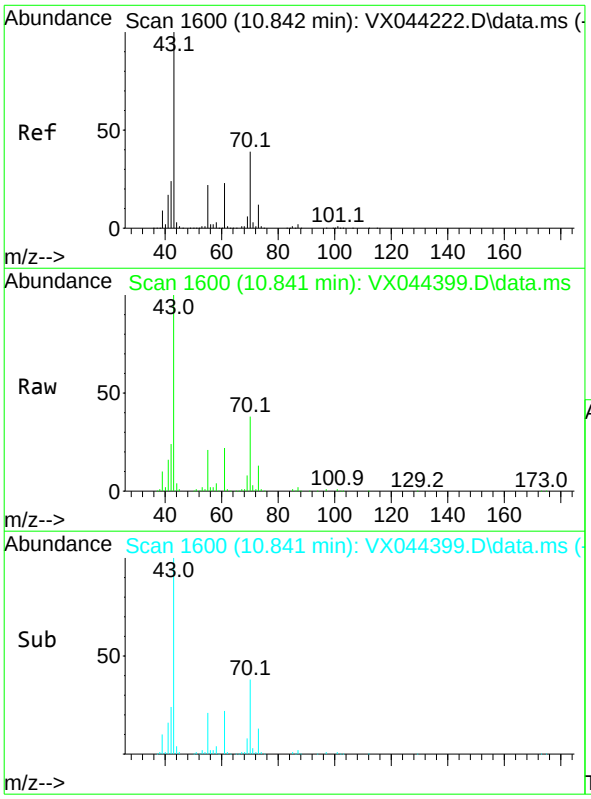
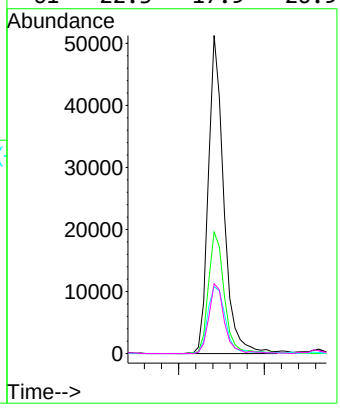
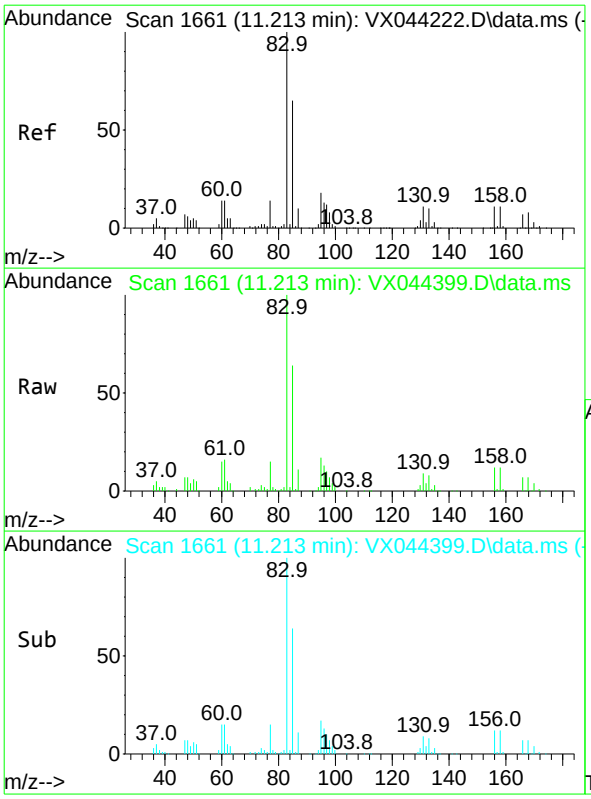



#74
N-amyl acetate
Concen: 20.909 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 43 Resp: 64183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.5 | 31.9 | 47.9 |
| 55 | 24.2 | 17.9 | 26.9 |
| 61 | 22.3 | 17.9 | 26.9 |

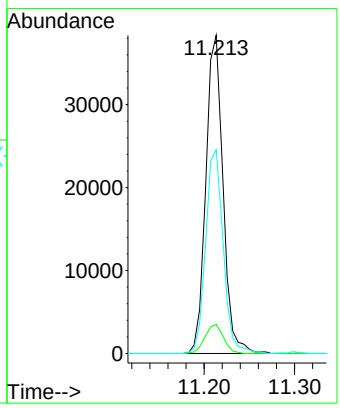





#75
1,1,2,2-Tetrachloroethane
Concen: 21.981 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 83 Resp: 50710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 65.6 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
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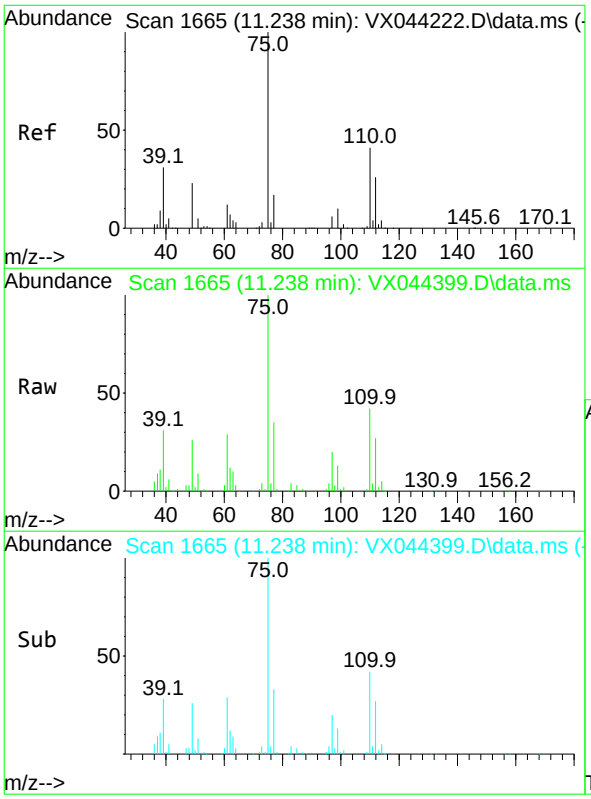
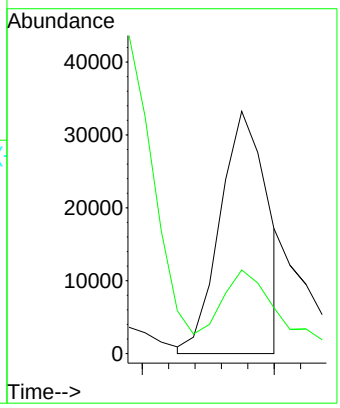
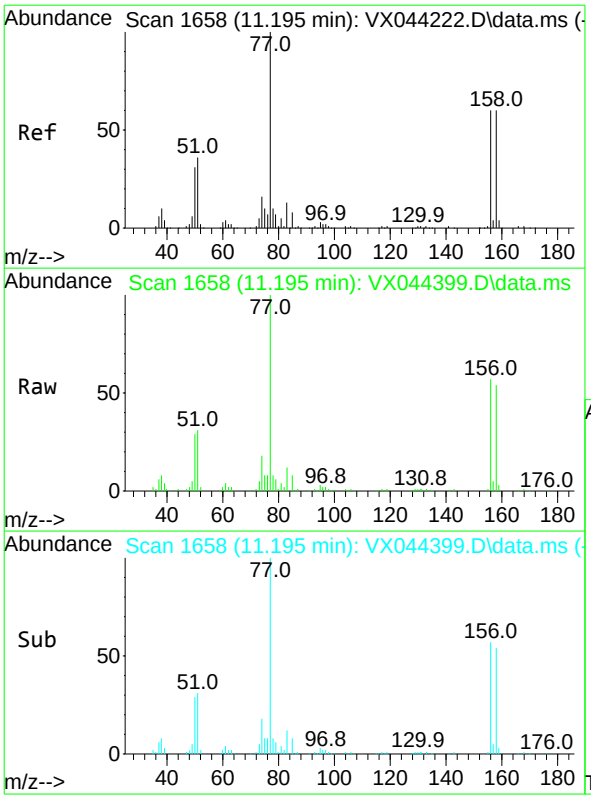



#76
1,2,3-Trichloropropane
Concen: 21.443 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 75 Resp: 41540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.3 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 20.253 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

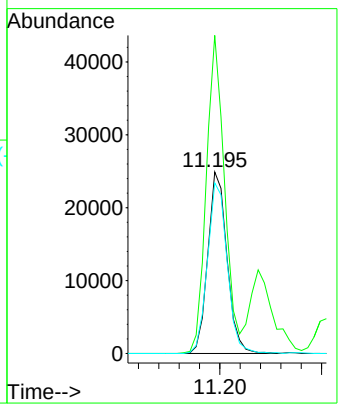
Tgt Ion:156 Resp: 32621

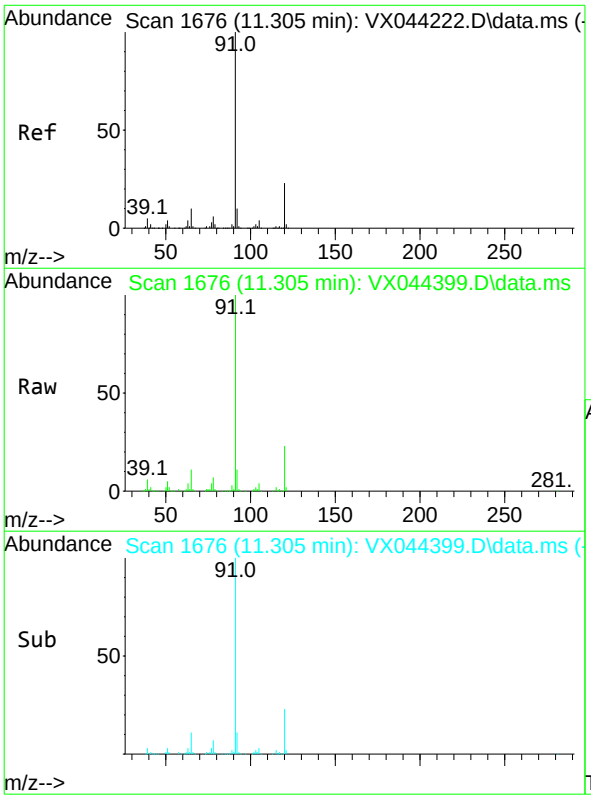
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.9 | 82.6 | 247.8 |
| 158 | 96.7 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

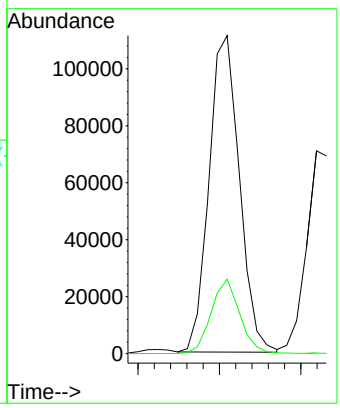


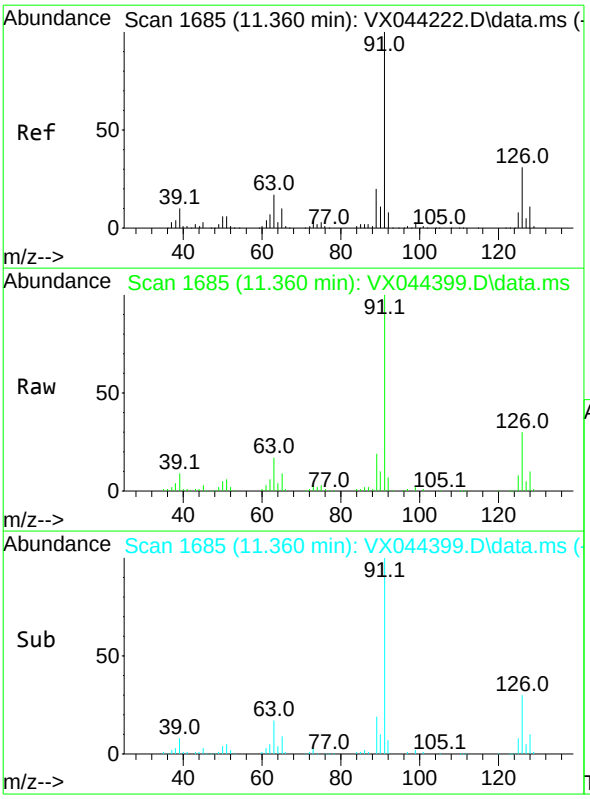




#78
n-propylbenzene
Concen: 19.640 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 91 Resp: 144182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 19.719 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

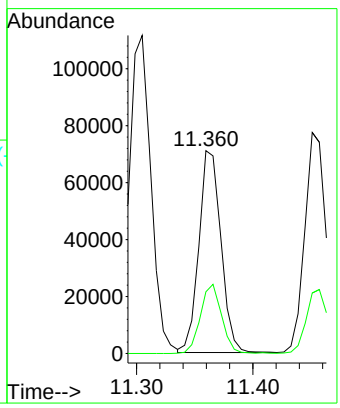
Tgt Ion: 91 Resp: 93621

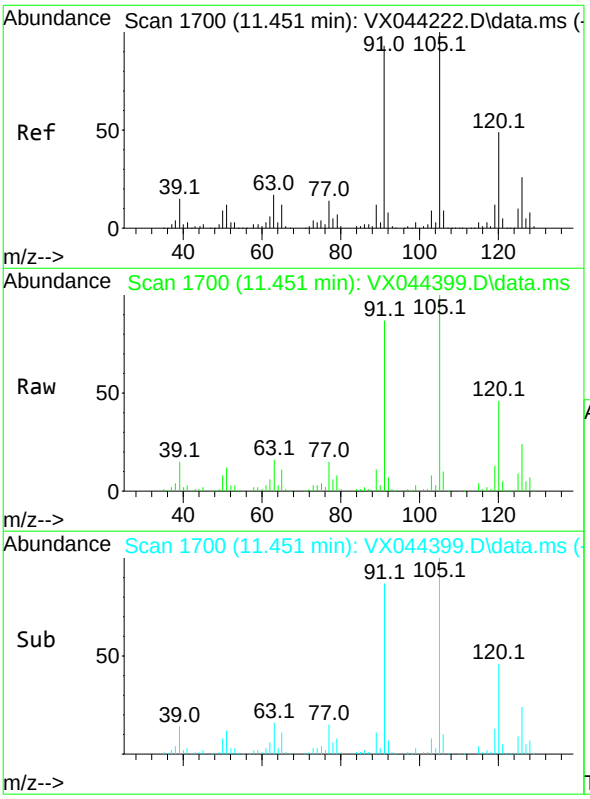
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.9 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

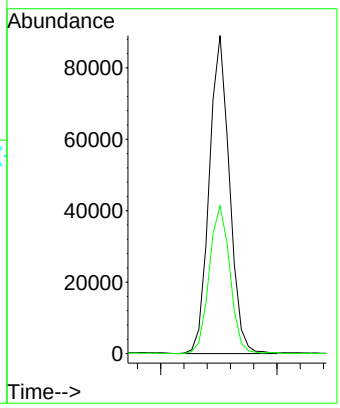


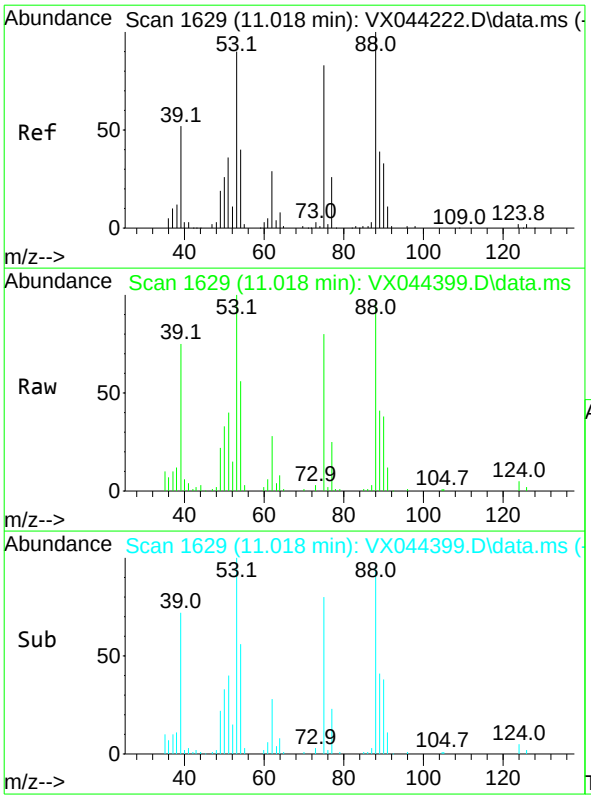




#80
1,3,5-Trimethylbenzene
Concen: 19.549 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:105 Resp: 107680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 19.586 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

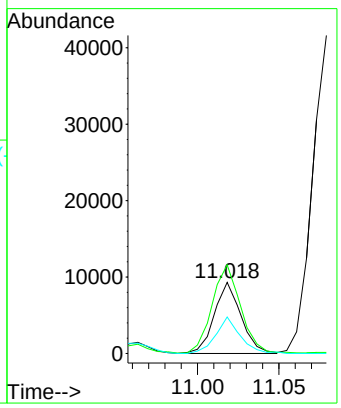
Tgt Ion: 75 Resp: 10659

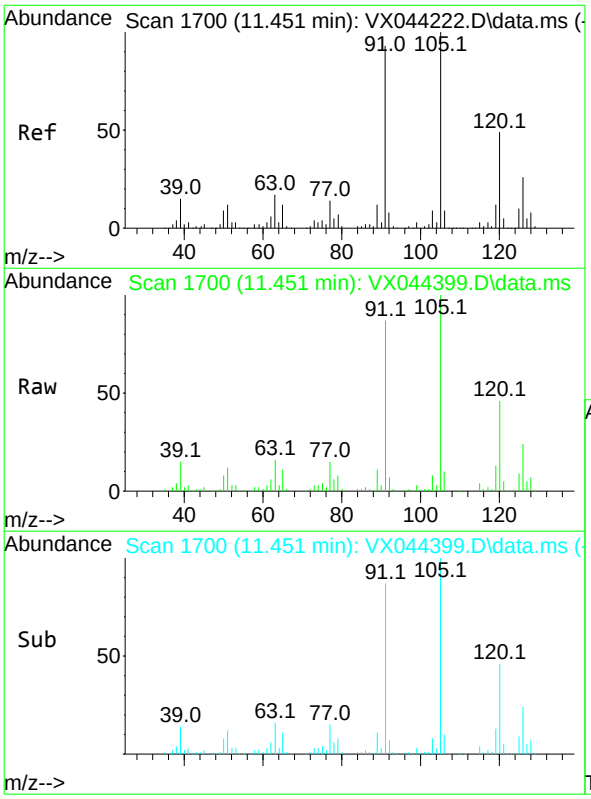
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 131.7 | 93.6 | 140.4 |
| 89 | 47.0 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

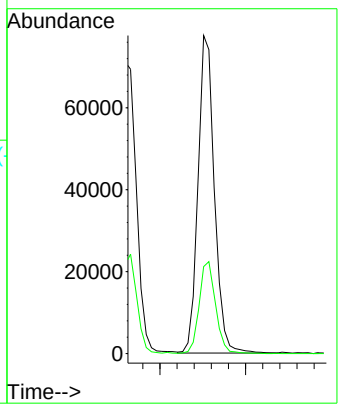


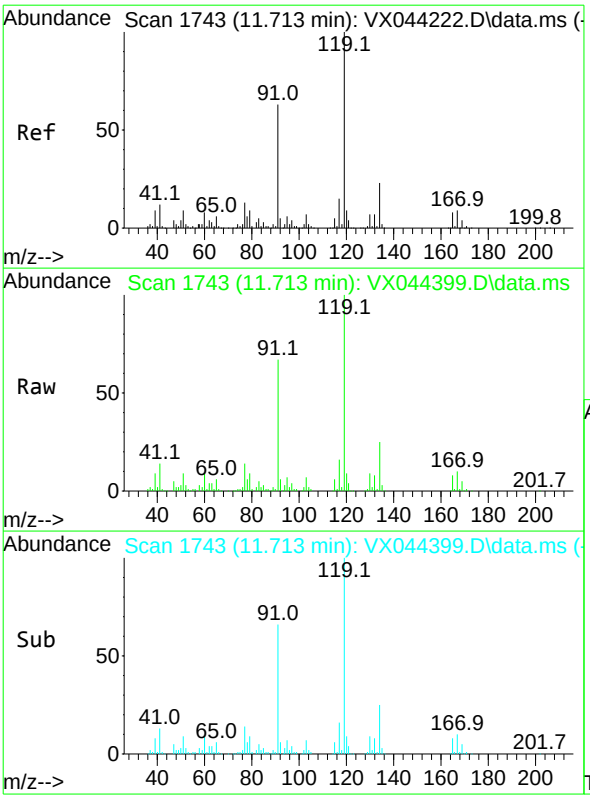




#82
4-Chlorotoluene
Concen: 19.553 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 91 Resp: 102797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.5 | 43.5 |






#83
tert-Butylbenzene
Concen: 19.429 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

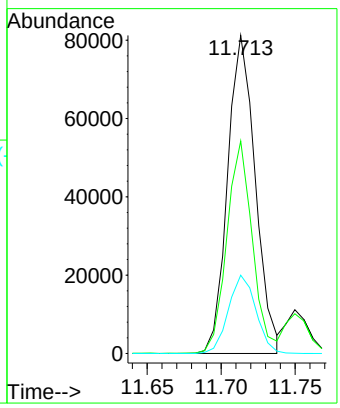
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

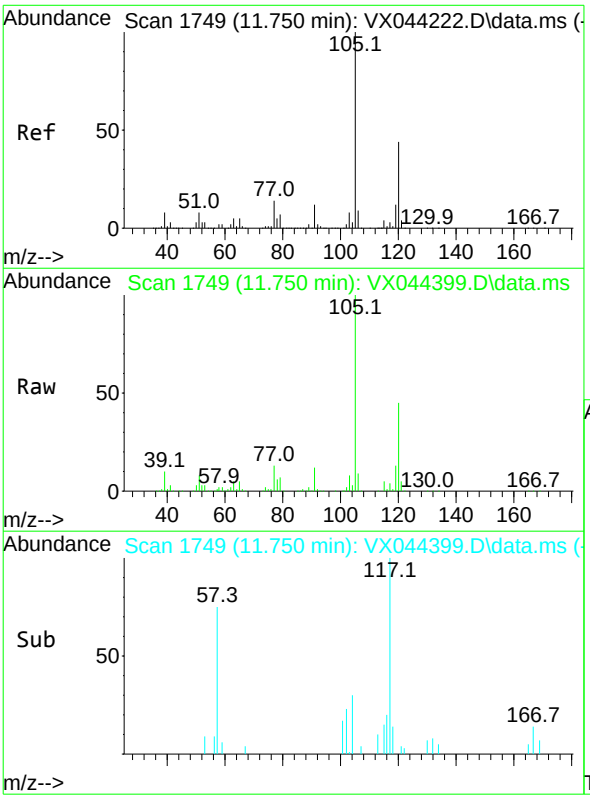
Tgt Ion:119 Resp: 105765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.9 | 30.9 | 92.5 |
| 134 | 24.5 | 11.5 | 34.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

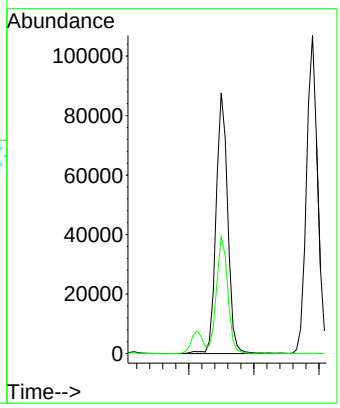


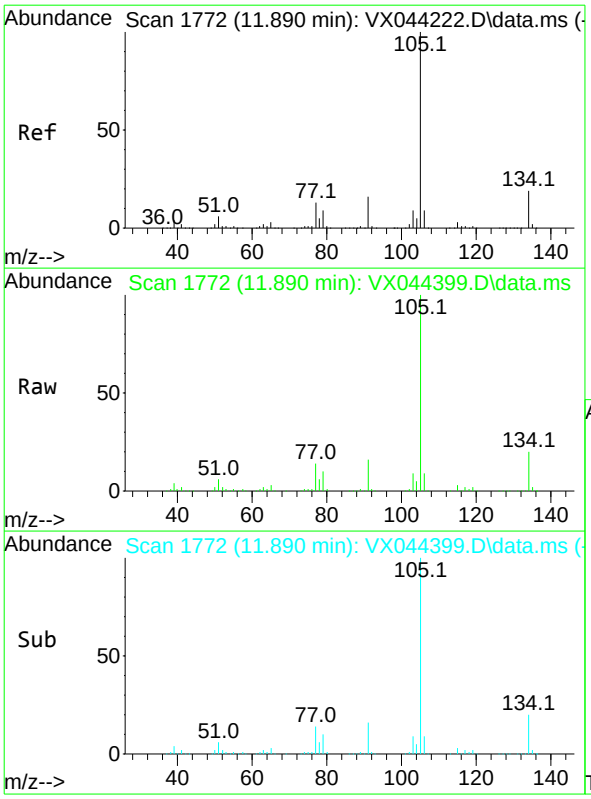




#84
1,2,4-Trimethylbenzene
Concen: 20.064 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:105 Resp: 108536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.7 | 21.7 | 65.1 |

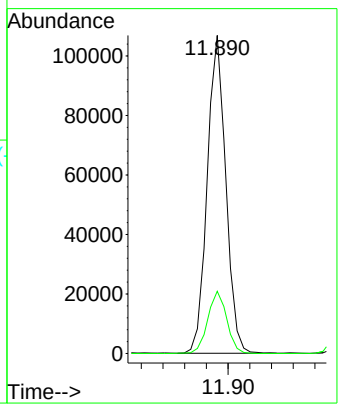





#85
sec-Butylbenzene
Concen: 19.191 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:105 Resp: 126820

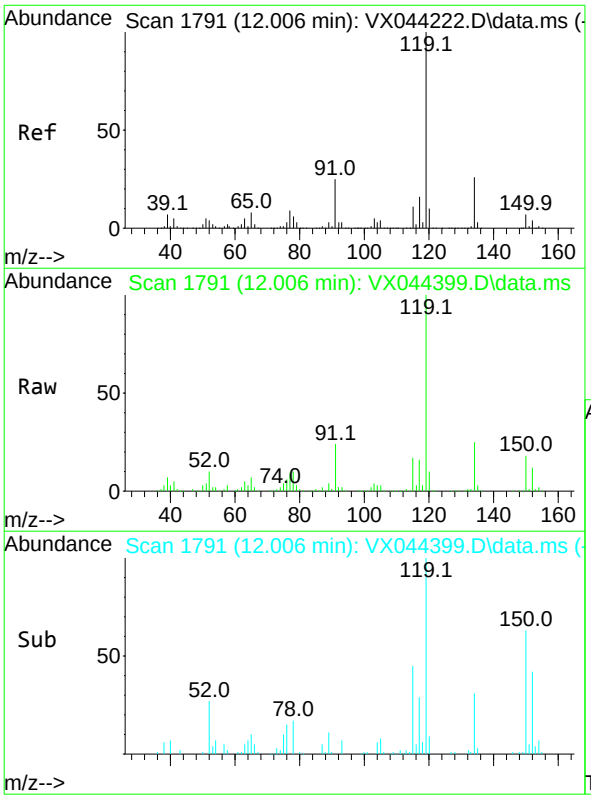
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

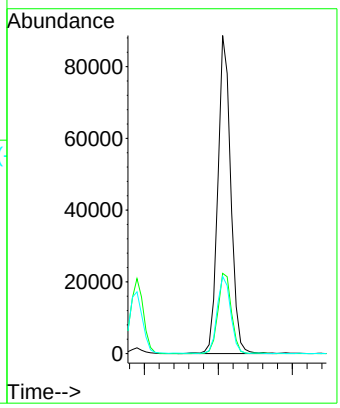
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

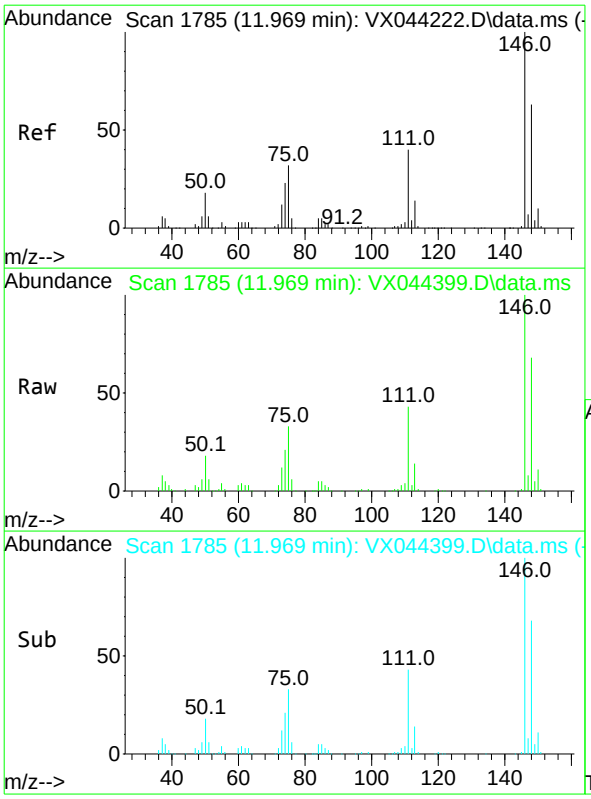



#86
p-Isopropyltoluene
Concen: 19.498 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:119 Resp: 107246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 12.8 | 38.4 |
| 91 | 25.0 | 13.0 | 39.0 |

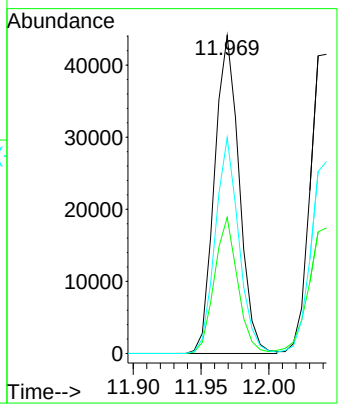





#87
1,3-Dichlorobenzene
Concen: 19.801 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:146 Resp: 55710

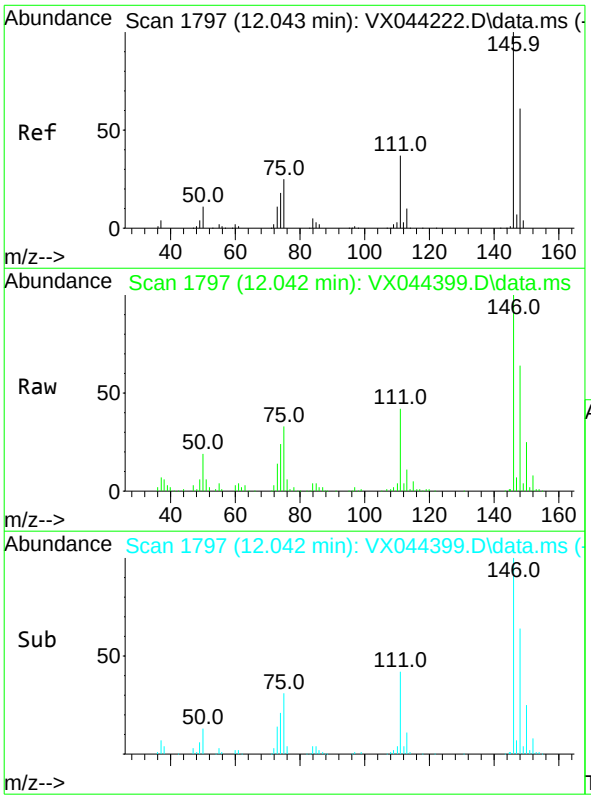
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 21.4 | 64.2 |
| 148 | 65.1 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

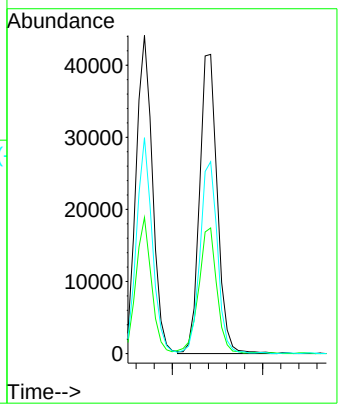
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

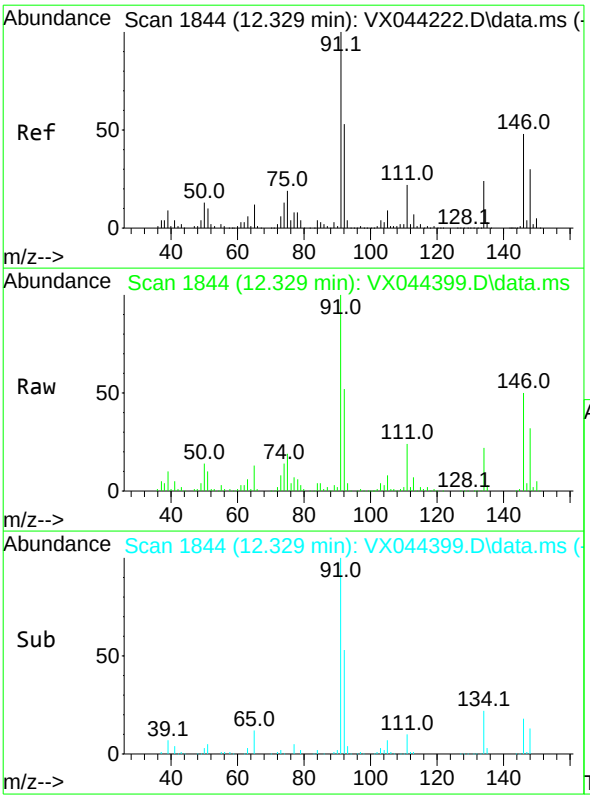



#88
1,4-Dichlorobenzene
Concen: 19.579 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:146 Resp: 56626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.0 | 63.0 |
| 148 | 62.7 | 32.3 | 96.8 |

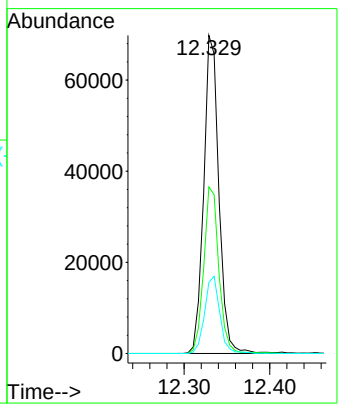





#89
n-Butylbenzene
Concen: 18.548 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 91 Resp: 85786

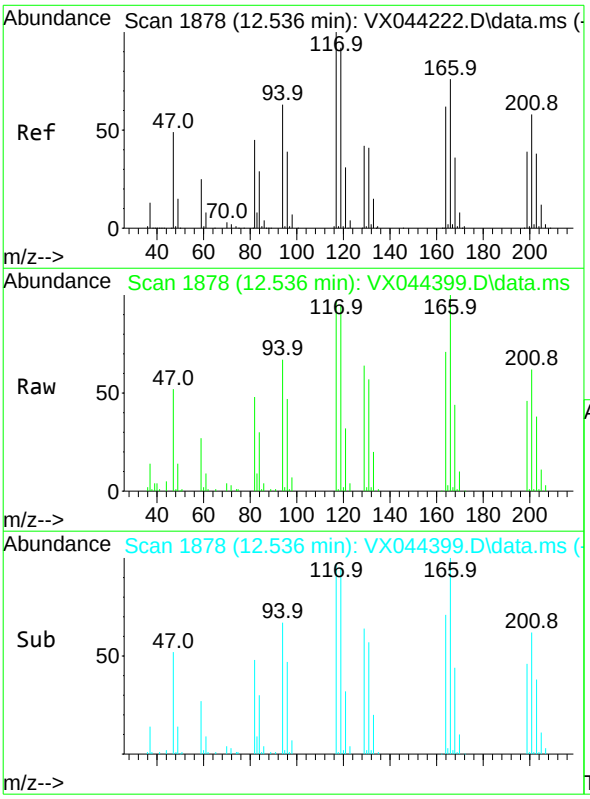
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 26.6 | 79.7 |
| 134 | 24.2 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

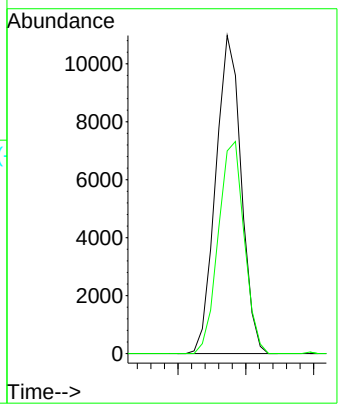
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

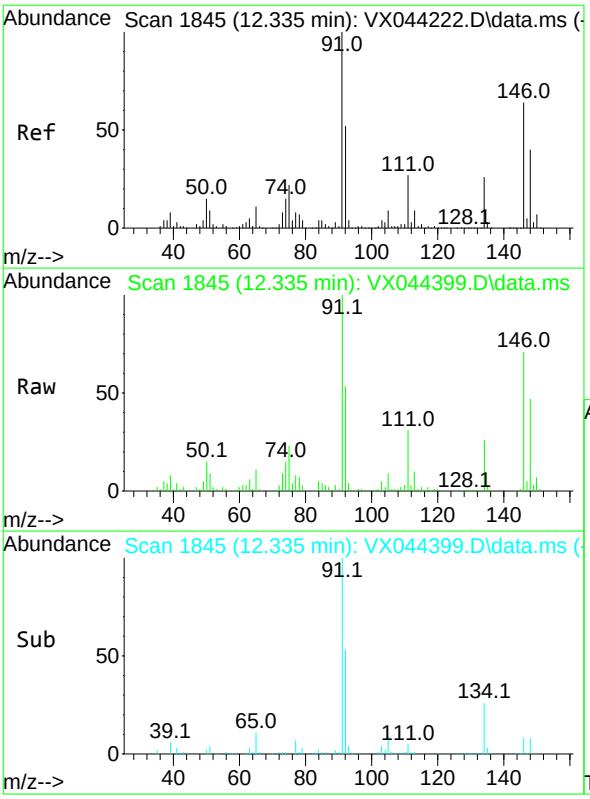



#90
Hexachloroethane
Concen: 17.859 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:117 Resp: 14339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.7 | 31.4 | 94.2 |






#91
1,2-Dichlorobenzene
Concen: 20.072 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:146 Resp: 58637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.4 | 64.3 |
| 148 | 63.1 | 31.6 | 95.0 |

**Manual Integrations**
**APPROVED**

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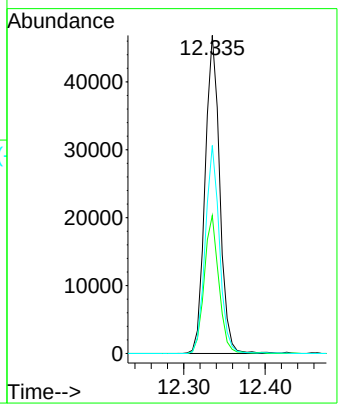
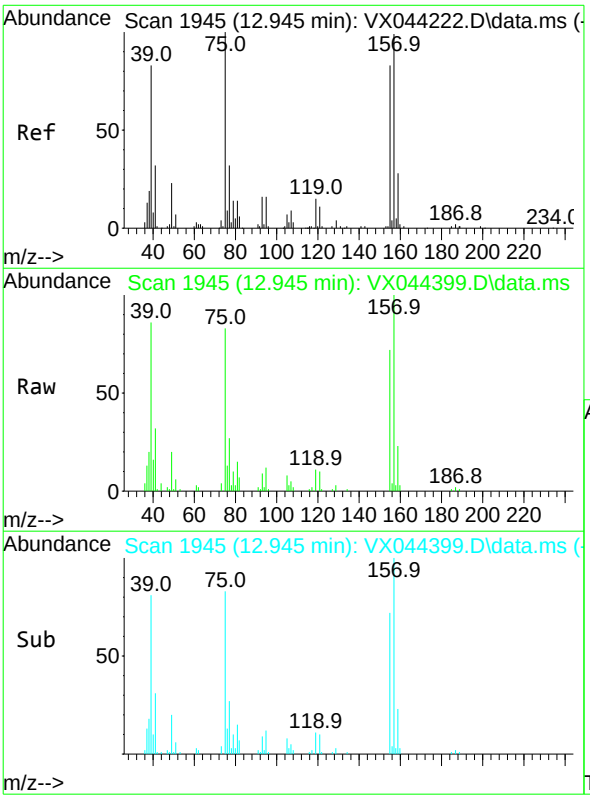
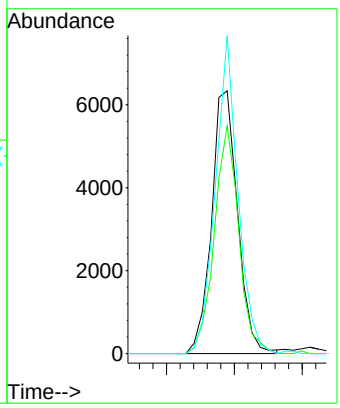


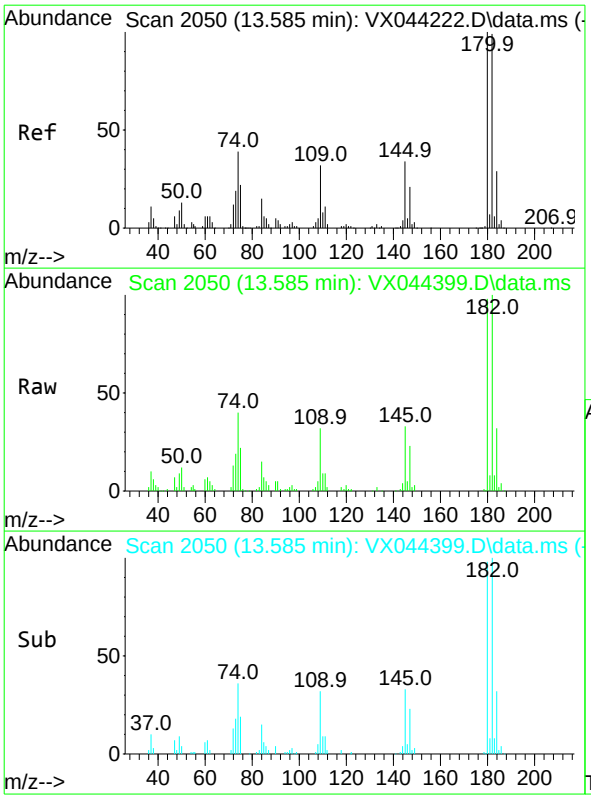




#92
1,2-Dibromo-3-Chloropropane
Concen: 18.864 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 75 Resp: 8448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.2 | 38.1 | 114.3 |
| 157 | 105.4 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 18.663 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:180 Resp: 29891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 100.7 | 48.0 | 144.2 |
| 145 | 32.7 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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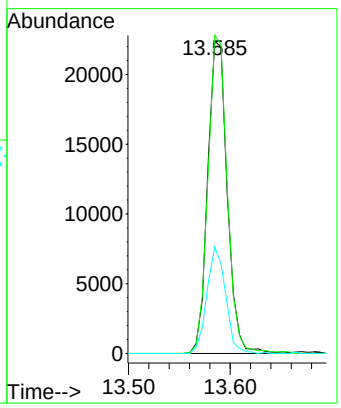
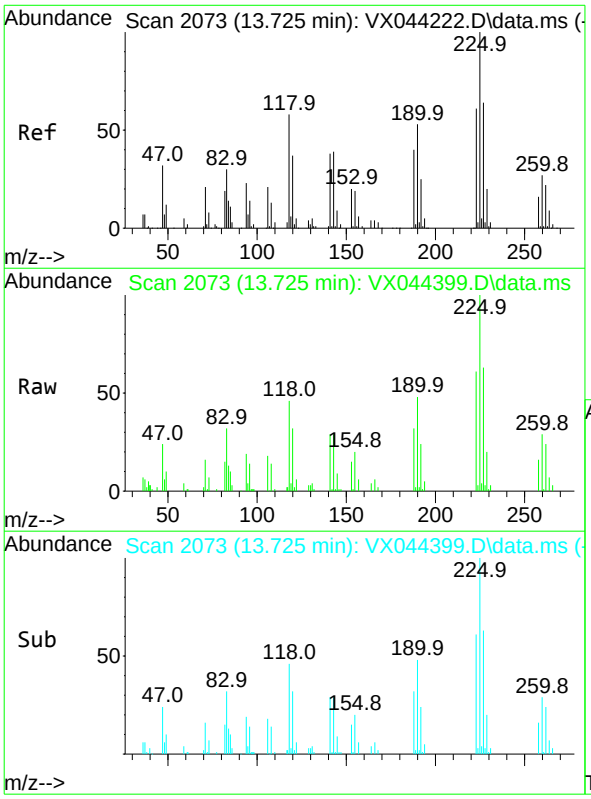
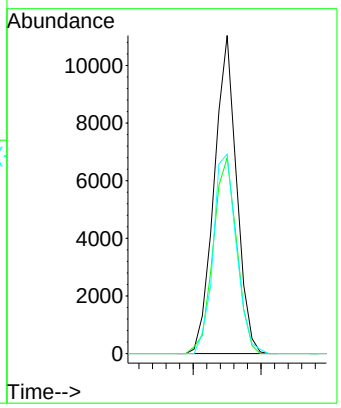


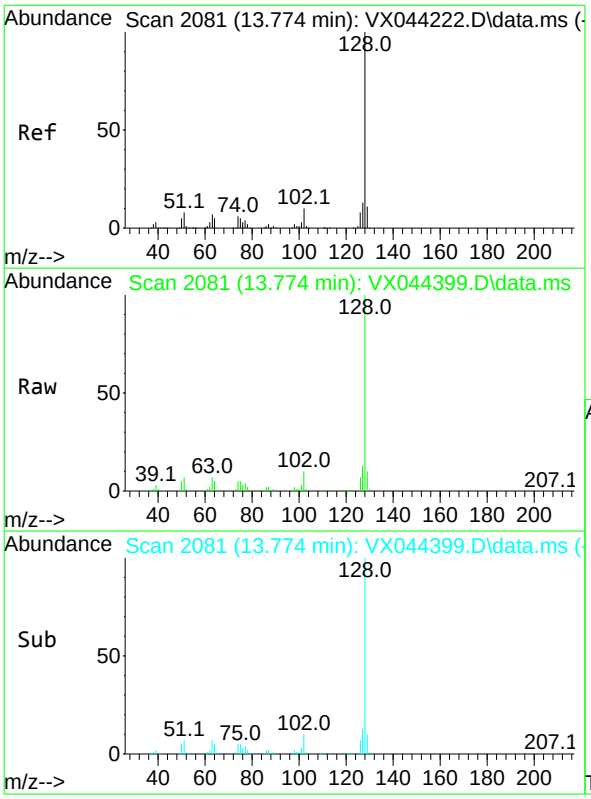




#94
Hexachlorobutadiene
Concen: 19.666 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:225 Resp: 12669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.7 | 30.8 | 92.4 |
| 227 | 65.3 | 32.1 | 96.3 |

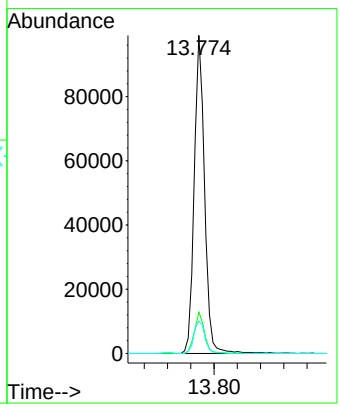





#95
Naphthalene
Concen: 19.638 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:128 Resp: 122767

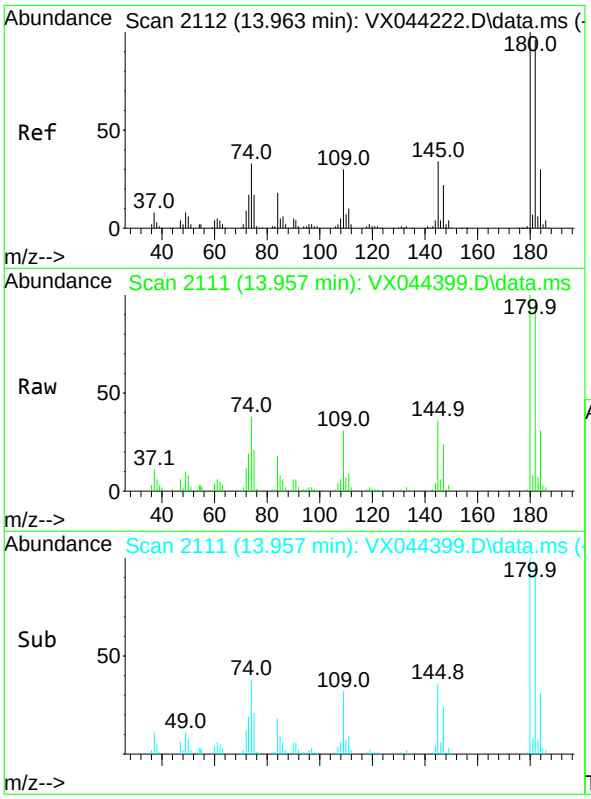
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 11.0 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

**Manual Integrations**
**APPROVED**

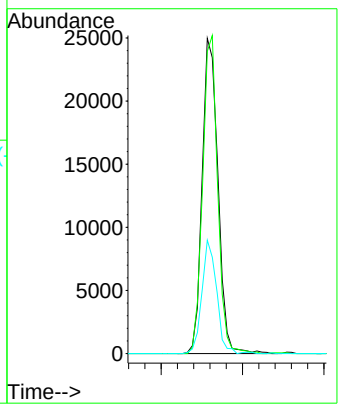
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024




#96
1,2,3-Trichlorobenzene
Concen: 19.819 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:180 Resp: 33666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 48.0 | 144.0 |
| 145 | 33.3 | 17.7 | 53.1 |



Raw Data: **VX044441.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1220WBS01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1220WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044441.D | 1 | | 12/20/24 10:46 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 18.5 | | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 18.7 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 17.9 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 18.8 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 19.8 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 15.3 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 18.5 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.9 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 75.7 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 16.4 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 17.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 17.7 | | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 19.1 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 18.7 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 18.9 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 17.6 | | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 83.3 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.9 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 18.0 | | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 15.8 | | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 17.7 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 17.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 19.3 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 20.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 19.2 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 19.9 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 19.1 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 19.1 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 92.4 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.5 | | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044441.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1220WBS01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1220WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044441.D | 1 | | 12/20/24 10:46 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 17.9 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.2 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.8 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 90.4 | | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 18.8 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 20.2 | | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 20.8 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 19.9 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 19.2 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 39.8 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 19.8 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 19.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 19.3 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 19.9 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 19.6 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.1 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 20.0 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 19.8 | | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 16.5 | | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 19.5 | | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.4 | | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 42.7 | | 81 - 118 | | 85% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.5 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.7 | | 89 - 112 | | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.4 | | 85 - 114 | | 93% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 147000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 249000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 212000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 96900 | 12.018 | | | | |

Raw Data: **VX044441.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1220WBS01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1220WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044441.D | 1 | | 12/20/24 10:46 | VX122024 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044441.D
Acq On : 20 Dec 2024 10:46
Operator : JC/MD
Sample : VX1220WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 20 22:21:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 146515 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 249173 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 212384 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 96885 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 109691 | 42.700 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 85.400% | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 83769 | 48.541 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 97.080% | | |
| 50) Toluene-d8 | 8.647 | 98 | 283358 | 48.669 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 97.340% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 94485 | 46.443 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 92.880% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 41893 | 18.492 | ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 40546 | 18.715 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 40370 | 17.887 | ug/l | 97 |
| 5) Bromomethane | 1.599 | 94 | 30109 | 18.804 | ug/l | 96 |
| 6) Chloroethane | 1.666 | 64 | 27776 | 19.764 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 67604 | 15.300 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 26079 | 17.291 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 33030 | 18.474 | ug/l | 94 |
| 10) Methyl Iodide | 2.447 | 142 | 45795 | 19.434 | ug/l | 96 |
| 11) Tert butyl alcohol | 2.989 | 59 | 33237 | 91.803 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 30995 | 18.873 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 44044 | 84.041 | ug/l | 96 |
| 14) Allyl chloride | 2.660 | 41 | 49108 | 17.953 | ug/l | 96 |
| 15) Acrylonitrile | 3.068 | 53 | 90872 | 90.610 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 79327 | 75.745 | ug/l | 91 |
| 17) Carbon Disulfide | 2.501 | 76 | 51100 | 16.369 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 47831 | 17.713 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 112975 | 17.629 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 37654 | 19.142 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 32618 | 18.688 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 110674 | 17.968 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 456052 | 91.069 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 64973 | 18.923 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 124008 | 83.289 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 51269 | 18.380 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 39842 | 17.974 | ug/l | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 26535 | 15.760 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.007 | 42 | 81181 | 84.947 | ug/l | 99 |
| 30) Chloroform | 5.092 | 83 | 68227 | 17.686 | ug/l | 99 |
| 31) Cyclohexane | 5.470 | 56 | 48875 | 17.628 | ug/l | 93 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 55907 | 17.459 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 41416 | 18.566 | ug/l | 97 |
| 37) Ethyl Acetate | 4.721 | 43 | 48014 | 17.412 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 45386 | 18.898 | ug/l | 93 |
| 39) Methylcyclohexane | 7.373 | 83 | 51554 | 19.332 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 137885 | 20.358 | ug/l | 99 |

Sample Results: **VX044441.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044441.D
Acq On : 20 Dec 2024 10:46
Operator : JC/MD
Sample : VX1220WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 20 22:21:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 26859 | 18.343 ug/l | 98 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 53588 | 19.207 ug/l | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 79207 | 18.378 ug/l | 99 |
| 44) Trichloroethene | 7.123 | 130 | 33615 | 19.902 ug/l | 88 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33011 | 19.077 ug/l | 97 |
| 46) Dibromomethane | 7.580 | 93 | 26495 | 19.737 ug/l | 95 |
| 47) Bromodichloromethane | 7.818 | 83 | 44357 | 19.132 ug/l | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 36154 | 17.281 ug/l | 94 |
| 49) 1,4-Dioxane | 7.671 | 88 | 10158 | 292.846 ug/l # | 79 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 255984 | 92.373 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 82957 | 19.504 ug/l | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 41417 | 17.860 ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 48359 | 19.157 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 35148 | 20.801 ug/l | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 48642 | 18.235 ug/l | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 56644 | 19.260 ug/l | 97 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 109022 | 81.033 ug/l | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 181241 | 90.356 ug/l | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 31411 | 18.848 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 34801 | 20.234 ug/l | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 29267 | 20.762 ug/l | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 90589 | 19.906 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 30193 | 20.643 ug/l | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 151105 | 19.217 ug/l | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 114910 | 39.825 ug/l | 97 |
| 69) o-Xylene | 10.640 | 106 | 57794 | 19.797 ug/l | 95 |
| 70) Styrene | 10.652 | 104 | 92784 | 19.825 ug/l | 96 |
| 71) Bromoform | 10.799 | 173 | 17659 | 19.275 ug/l # | 97 |
| 73) Isopropylbenzene | 10.963 | 105 | 147393 | 19.872 ug/l | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 61829 | 18.038 ug/l | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 50416 | 19.570 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 40633m | 18.784 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 36233 | 20.145 ug/l | 95 |
| 78) n-propylbenzene | 11.299 | 91 | 162028 | 19.765 ug/l | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 102209 | 19.279 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 121225 | 19.709 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11072 | 18.609 ug/l | 91 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 112263 | 19.122 ug/l | 97 |
| 83) tert-Butylbenzene | 11.713 | 119 | 120518 | 19.827 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 121322 | 20.085 ug/l | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 143732 | 19.477 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 120356 | 19.596 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 63016 | 20.058 ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 64444 | 19.954 ug/l | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 94402 | 18.279 ug/l | 97 |
| 90) Hexachloroethane | 12.536 | 117 | 16712 | 18.640 ug/l | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 64584 | 19.798 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8263 | 16.523 ug/l | 90 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 34820 | 19.470 ug/l | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 15232 | 21.174 ug/l | 99 |
| 95) Naphthalene | 13.774 | 128 | 124472 | 17.830 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 36757 | 19.378 ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044441.D
Acq On : 20 Dec 2024 10:46
Operator : JC/MD
Sample : VX1220WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 20 22:21:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044441.D
Acq On : 20 Dec 2024 10:46
Operator : JC/MD
Sample : VX1220WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 20 22:21:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations APPROVED**

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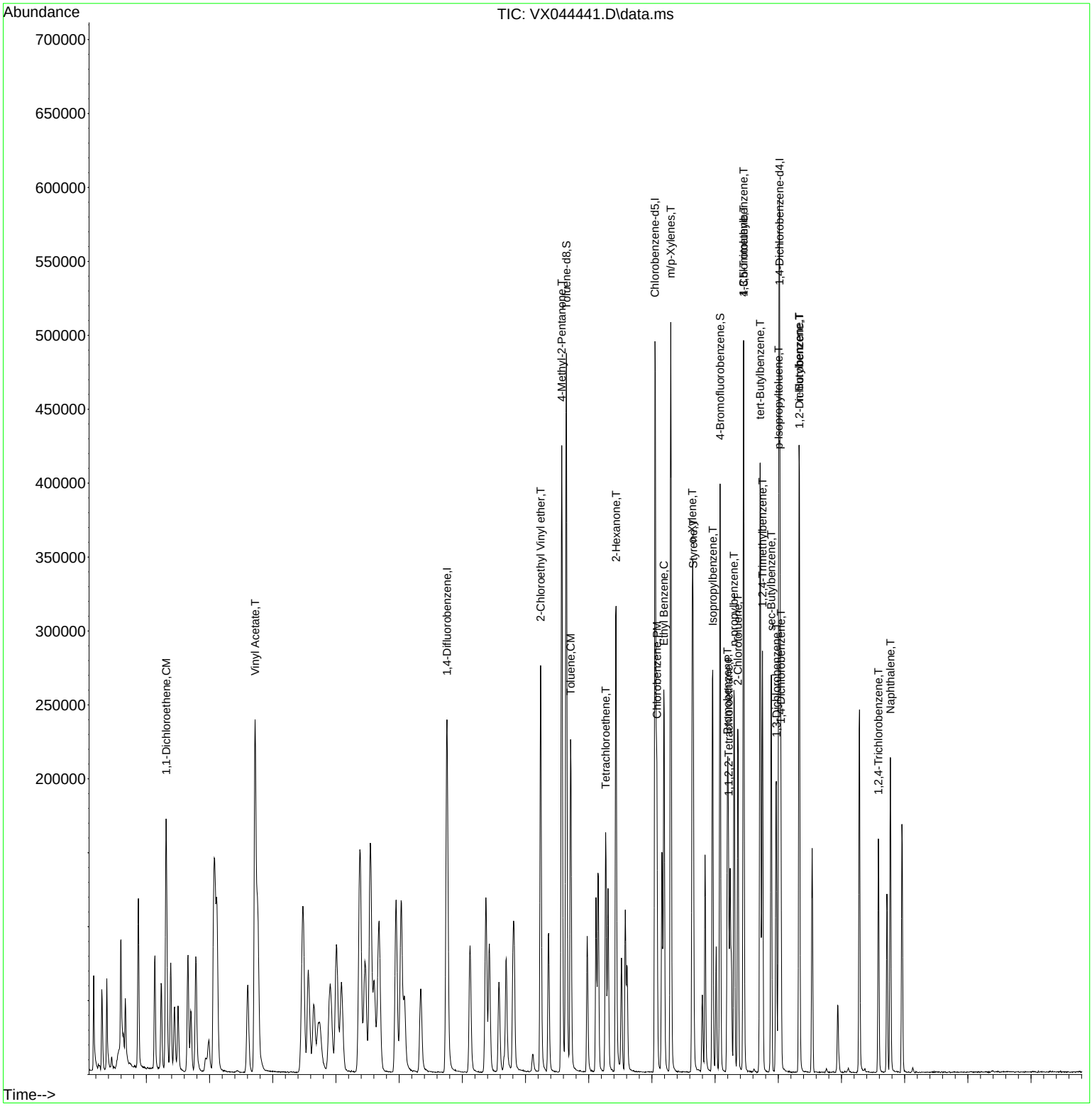
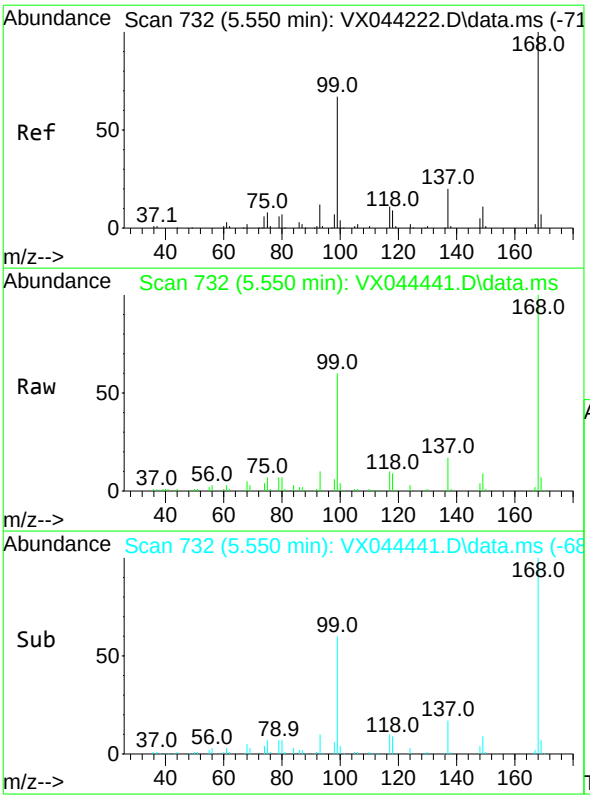
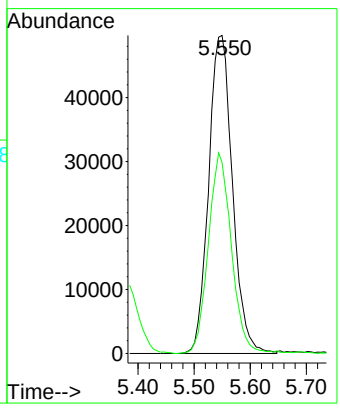





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:168 Resp: 146515

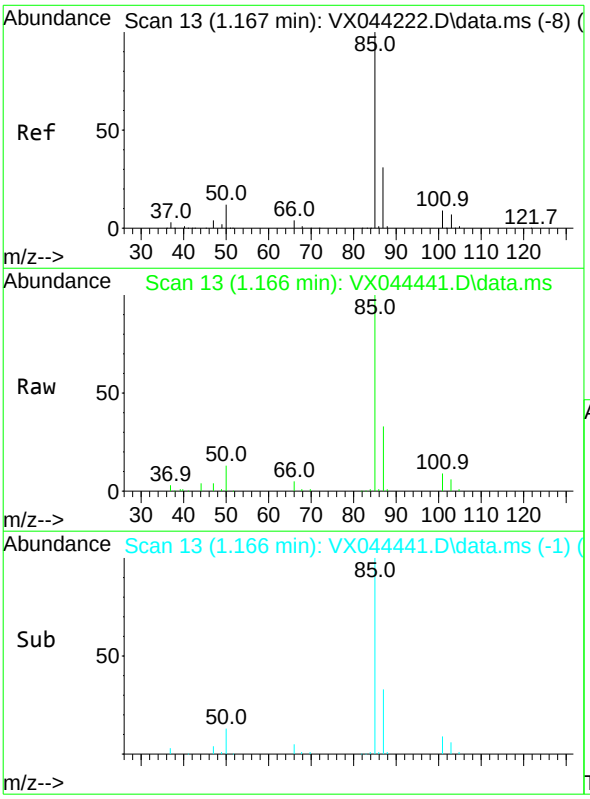
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.1 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

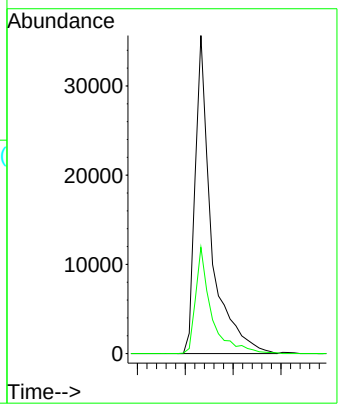
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

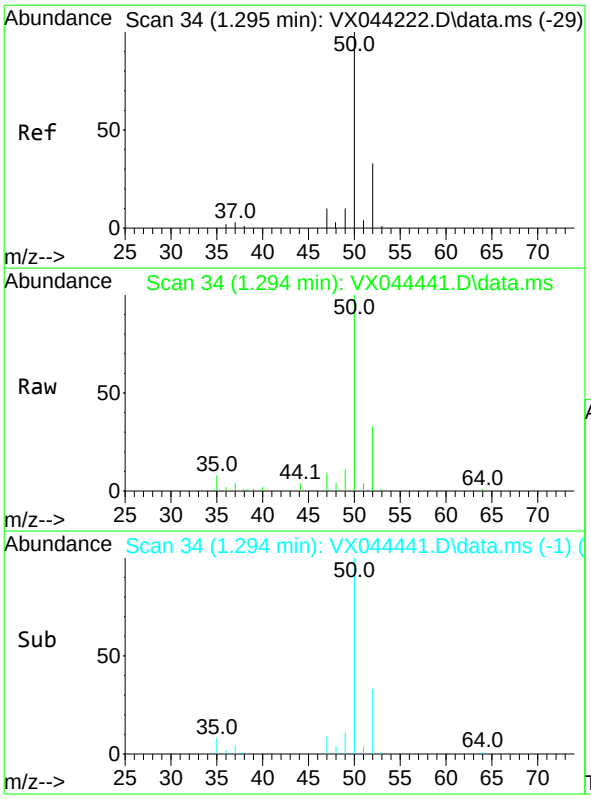



#2
Dichlorodifluoromethane
Concen: 18.492 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 85 Resp: 41893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.4 | 15.4 | 46.4 |

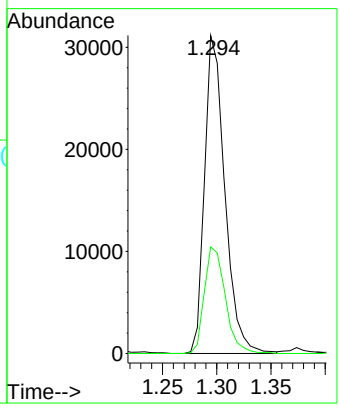





#3
Chloromethane
Concen: 18.715 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 50 Resp: 40546

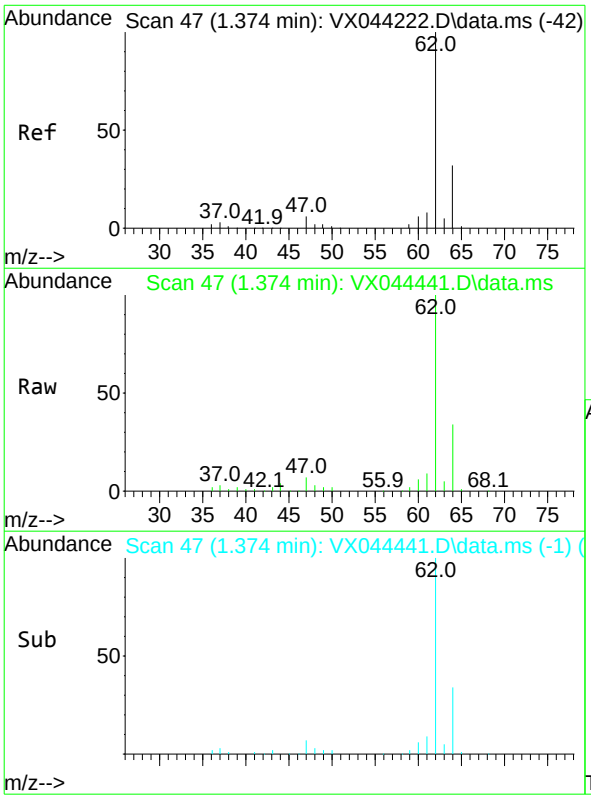
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

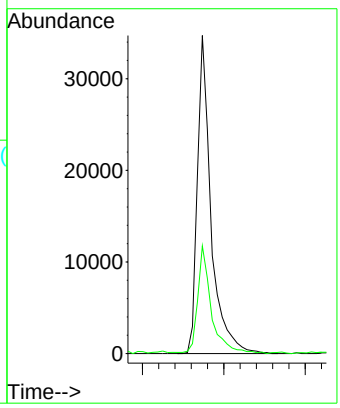
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

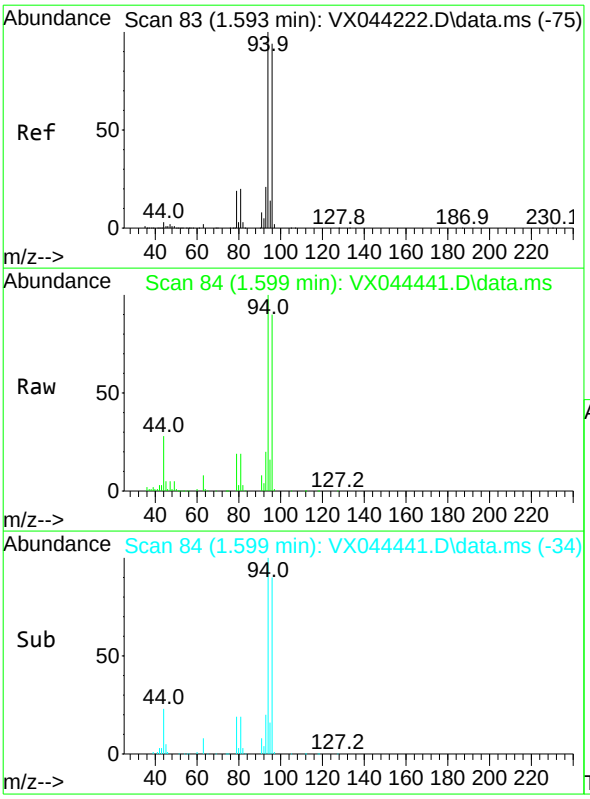



#4
Vinyl Chloride
Concen: 17.887 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 62 Resp: 40370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 25.7 | 38.5 |

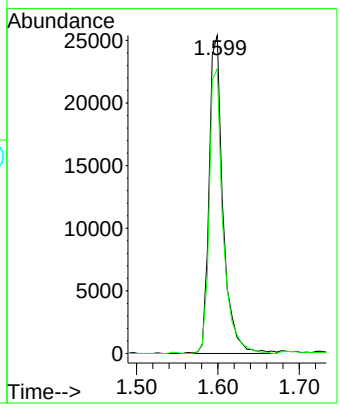





#5
Bromomethane
Concen: 18.804 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 94 Resp: 30109

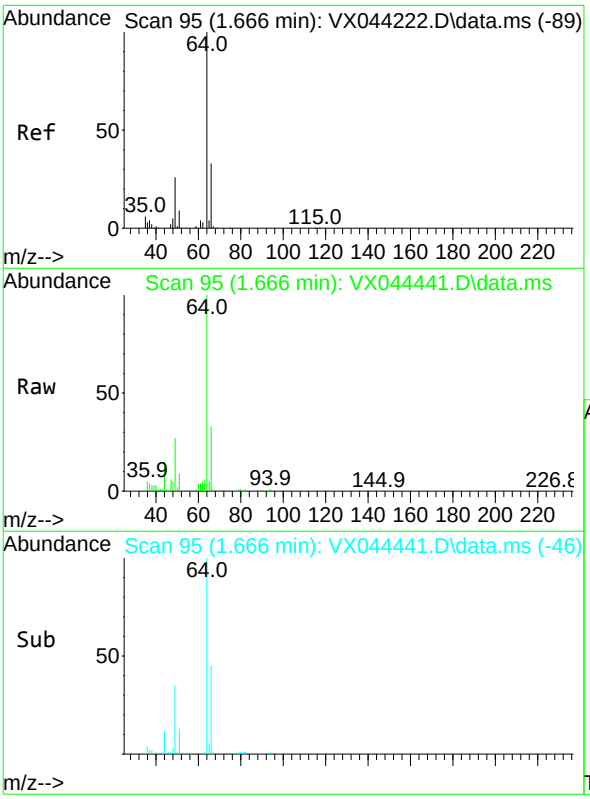
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 89.5 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

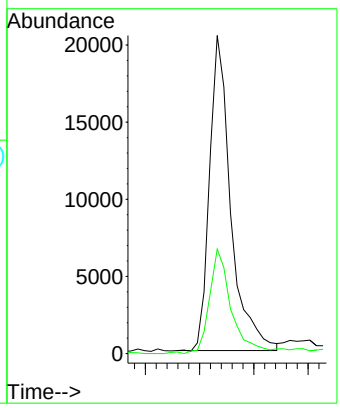
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

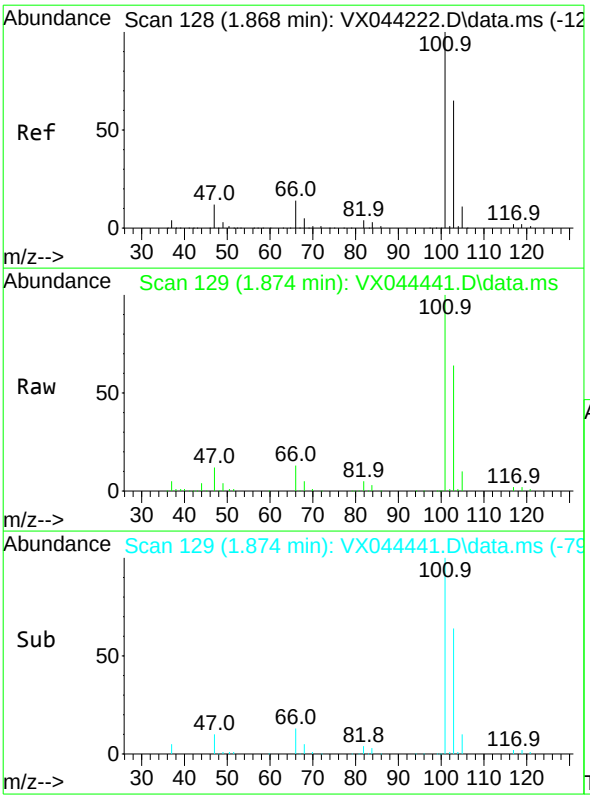



#6
Chloroethane
Concen: 19.764 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 64 Resp: 27776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.7 | 26.6 | 39.8 |

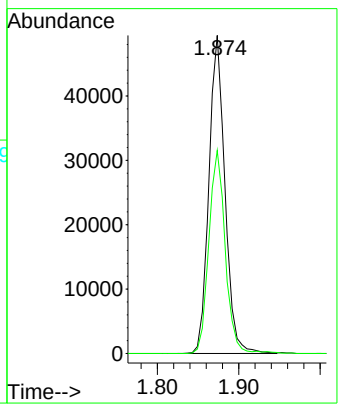





#7
Trichlorofluoromethane
Concen: 15.300 ug/l
RT: 1.874 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:101 Resp: 67604

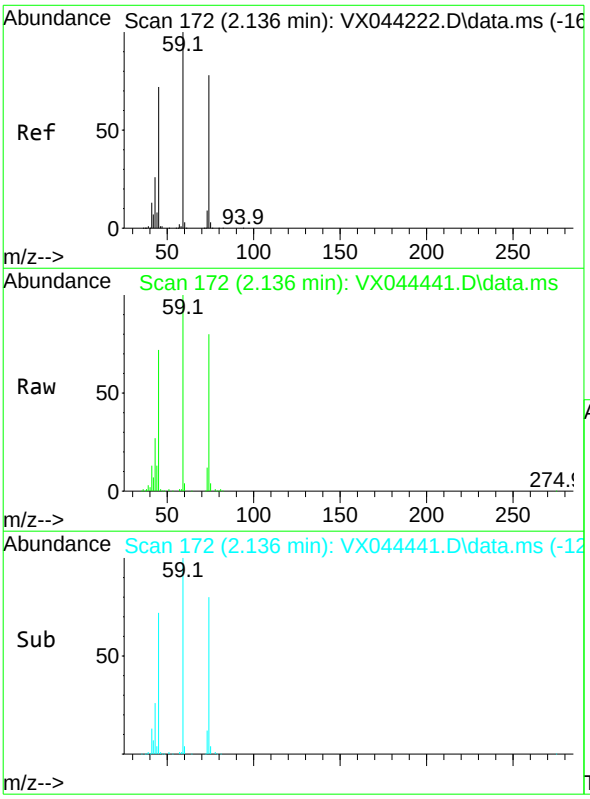
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

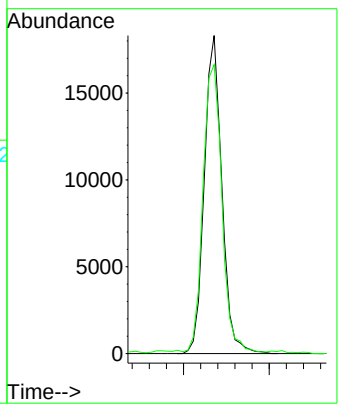
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

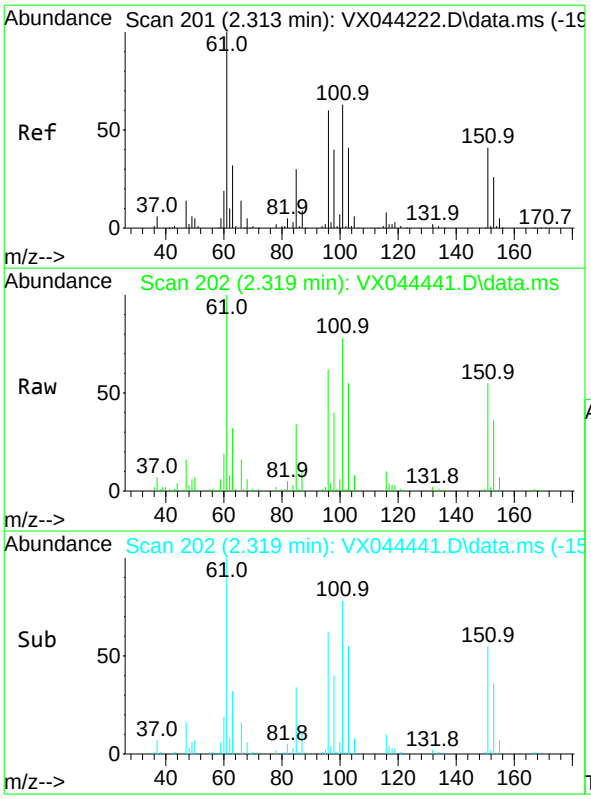



#8
Diethyl Ether
Concen: 17.291 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 74 Resp: 26079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.3 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.474 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:101 Resp: 33030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.8 | 38.5 | 57.7 |
| 151 | 75.4 | 55.8 | 83.6 |

**Manual Integrations**
**APPROVED**

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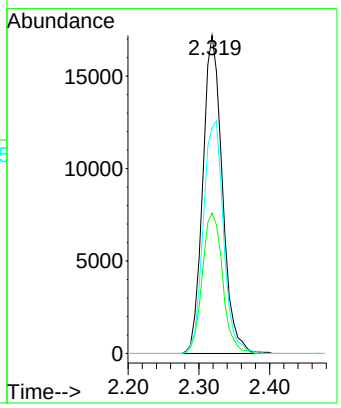
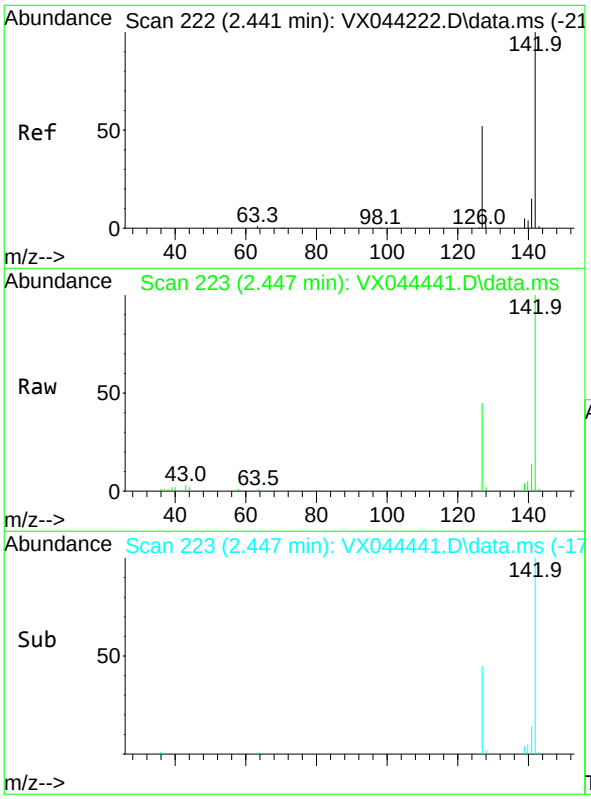
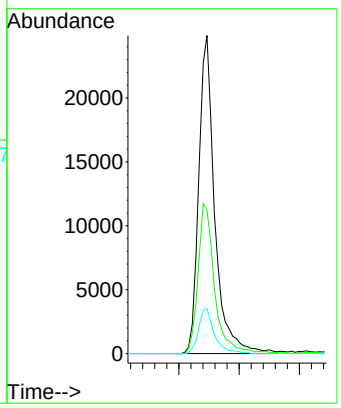


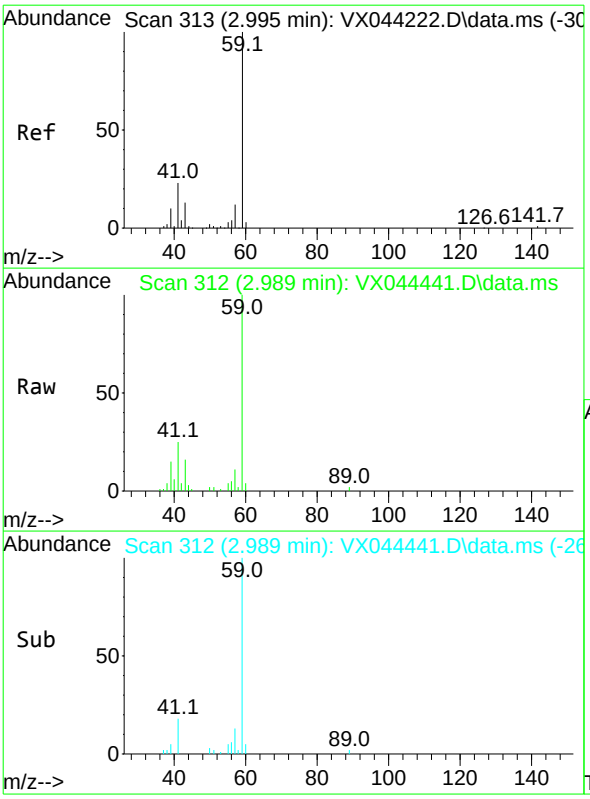




#10
Methyl Iodide
Concen: 19.434 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:142 Resp: 45795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.9 | 41.8 | 62.8 |
| 141 | 14.0 | 11.5 | 17.3 |

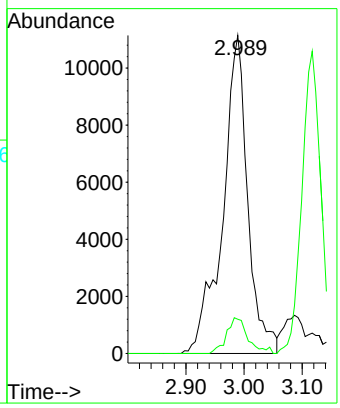





#11
Tert butyl alcohol
Concen: 91.803 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 59 Resp: 33237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.6 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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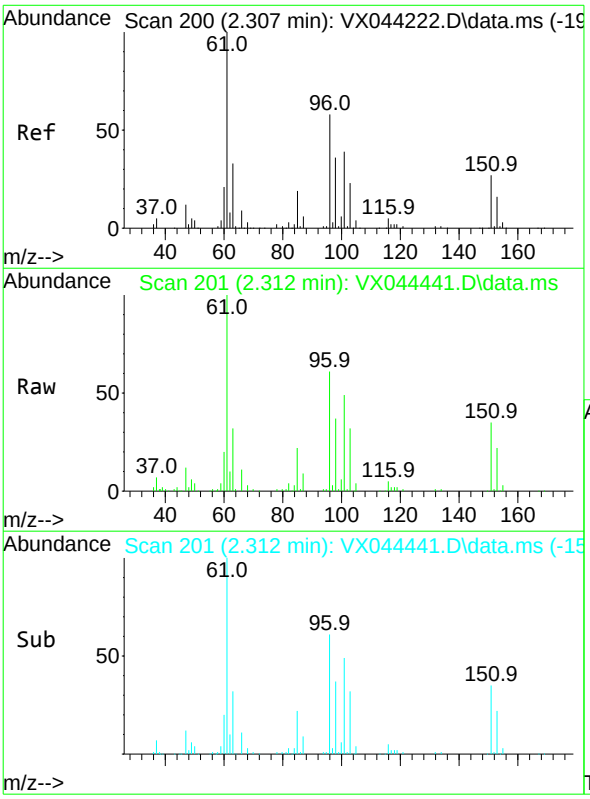
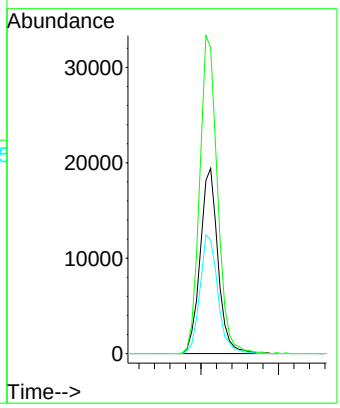
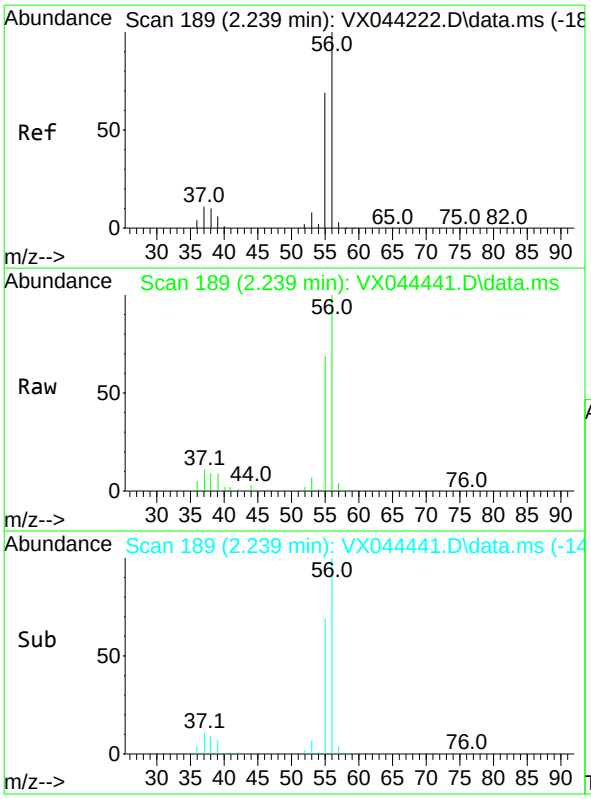



#12
1,1-Dichloroethene
Concen: 18.873 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 96 Resp: 30995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.0 | 138.0 | 207.0 |
| 98 | 61.4 | 50.0 | 75.0 |

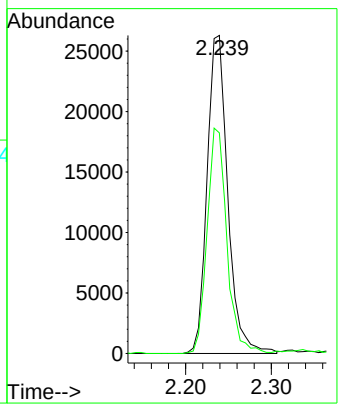





#13
Acrolein
Concen: 84.041 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 56 Resp: 44044

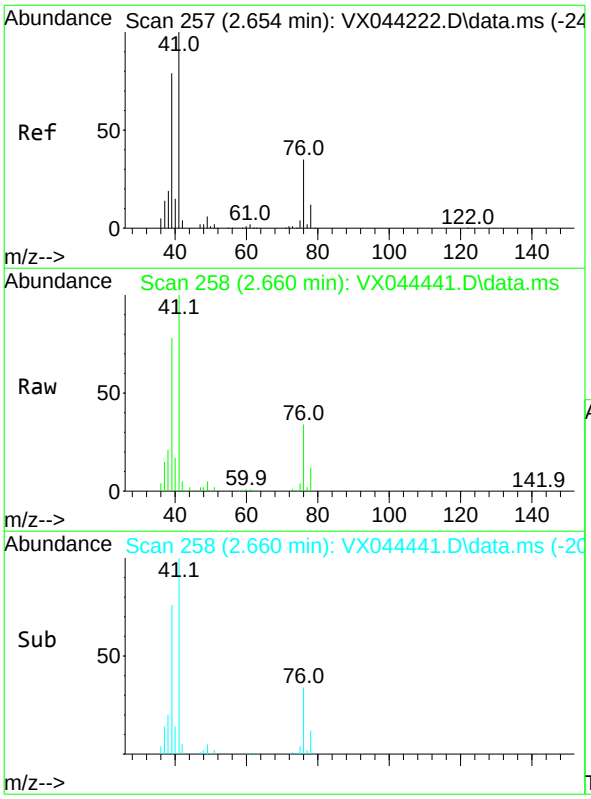
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 67.7 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

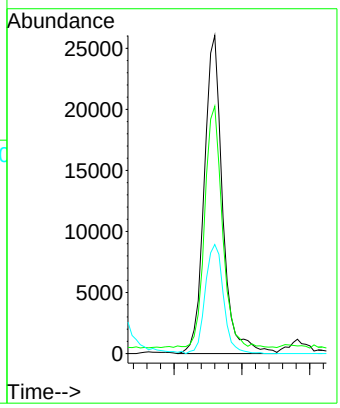
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

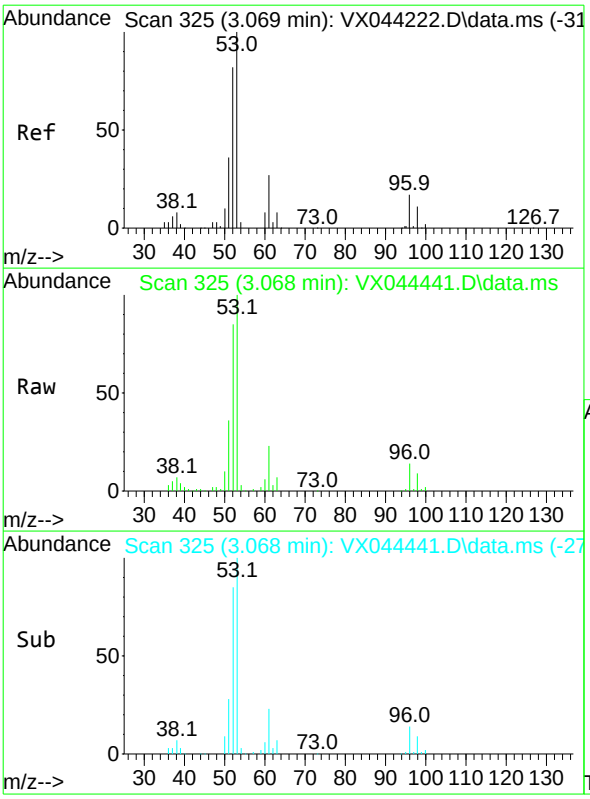



#14
Allyl chloride
Concen: 17.953 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 41 Resp: 49108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.3 | 61.9 | 92.9 |
| 76 | 33.9 | 27.4 | 41.2 |

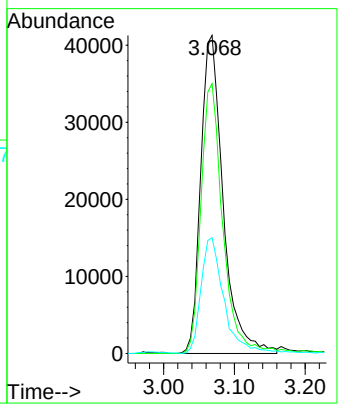





#15
Acrylonitrile
Concen: 90.610 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 53 Resp: 90872

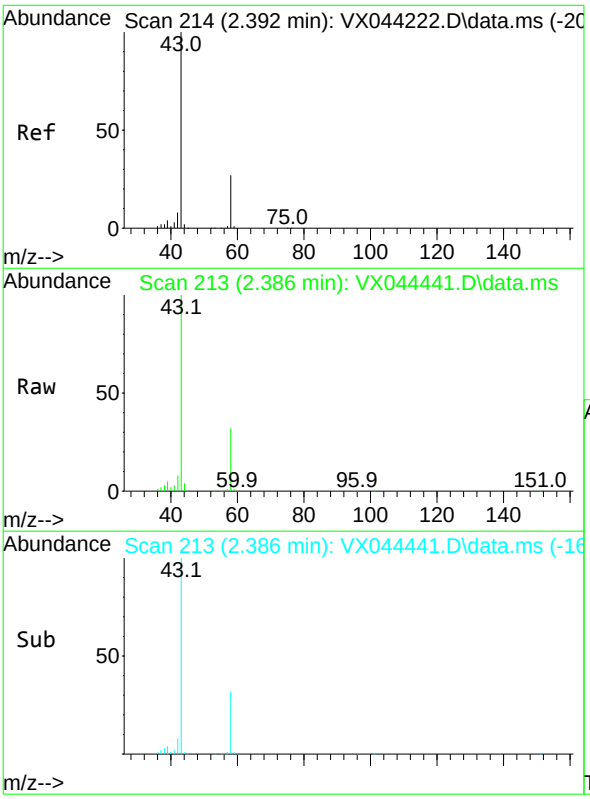
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.8 | 67.4 | 101.0 |
| 51 | 37.6 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

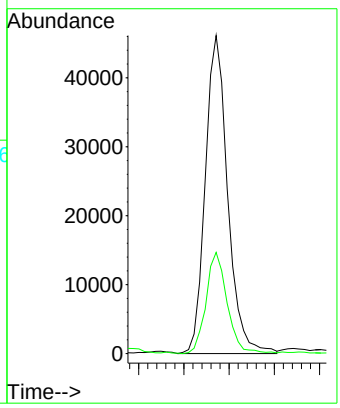
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

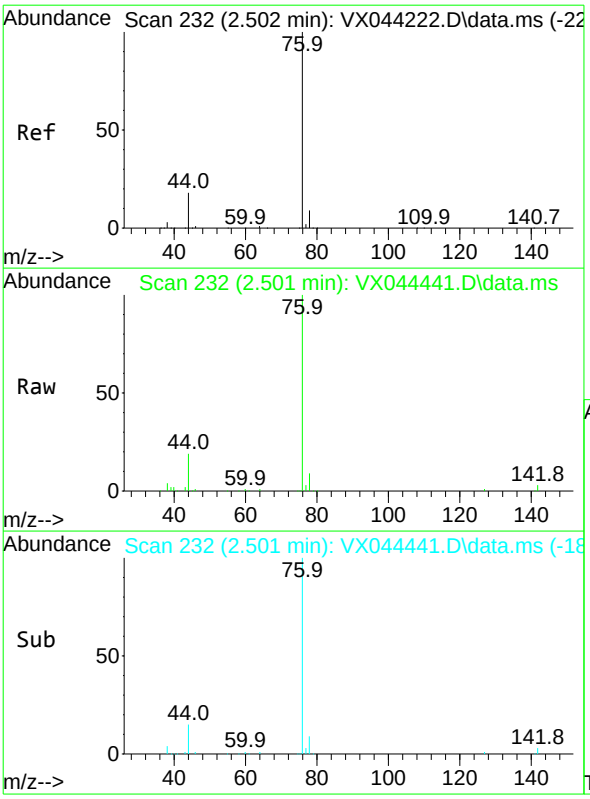



#16
Acetone
Concen: 75.745 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 43 Resp: 79327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 21.6 | 32.4 |

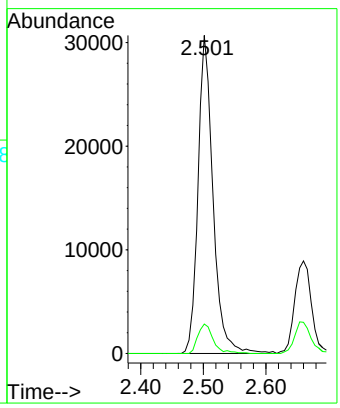





#17
Carbon Disulfide
Concen: 16.369 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 76 Resp: 51100

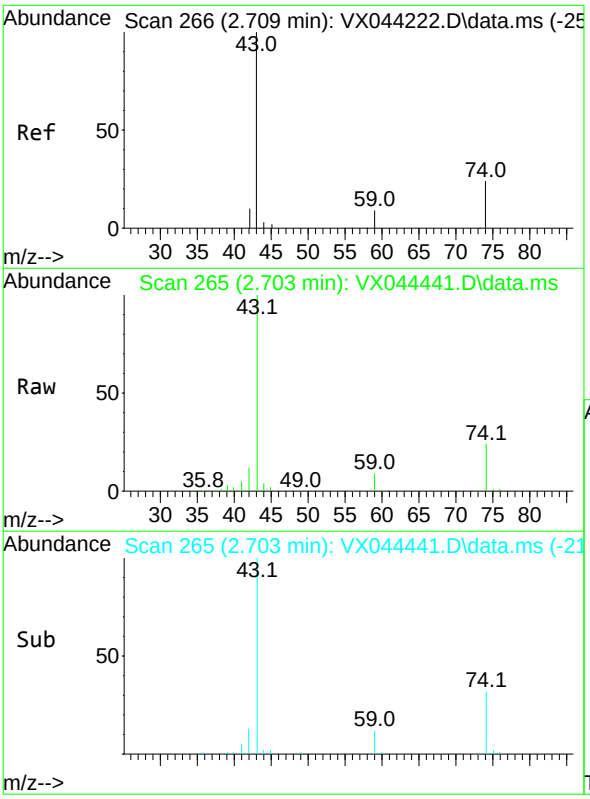
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

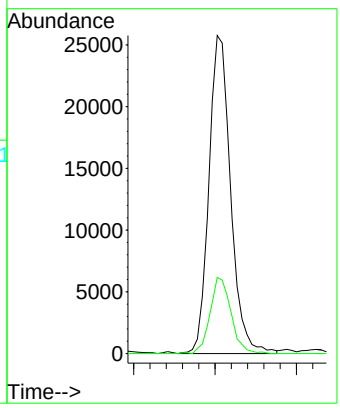
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

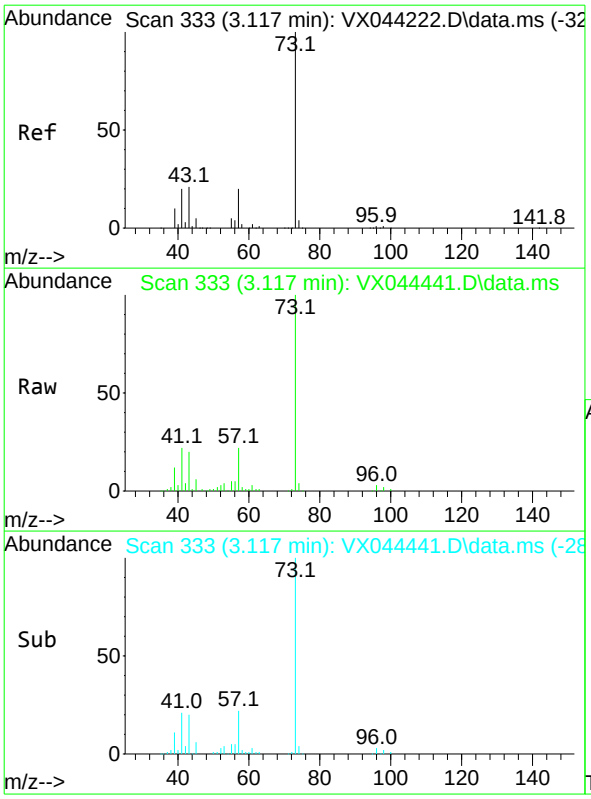



#18
Methyl Acetate
Concen: 17.713 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 43 Resp: 47831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.1 | 17.7 | 26.5 |

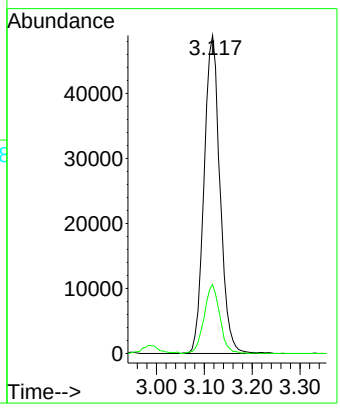





#19
Methyl tert-butyl Ether
Concen: 17.629 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 73 Resp: 112975

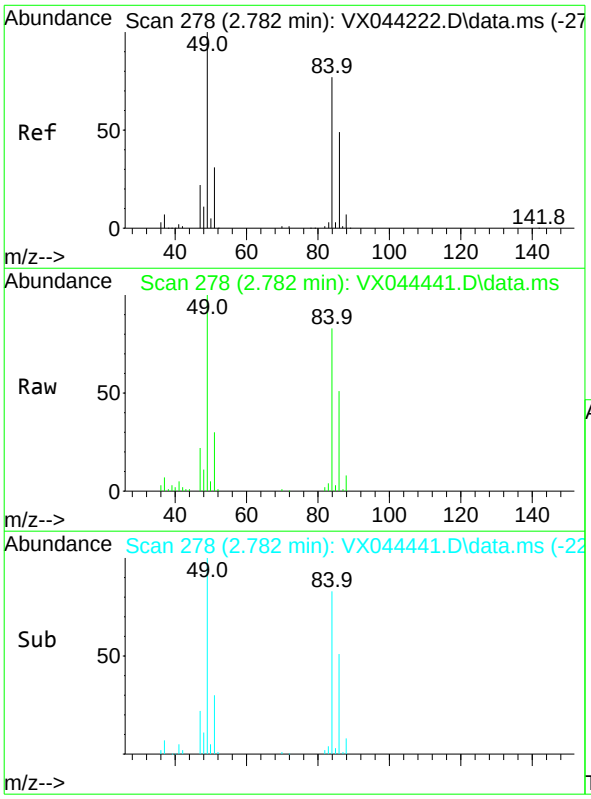
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

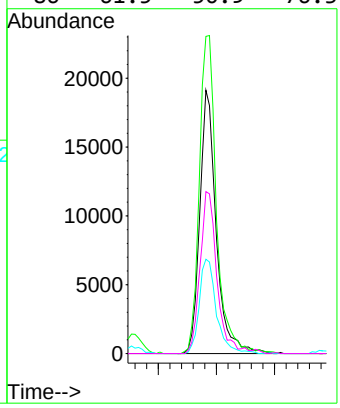
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

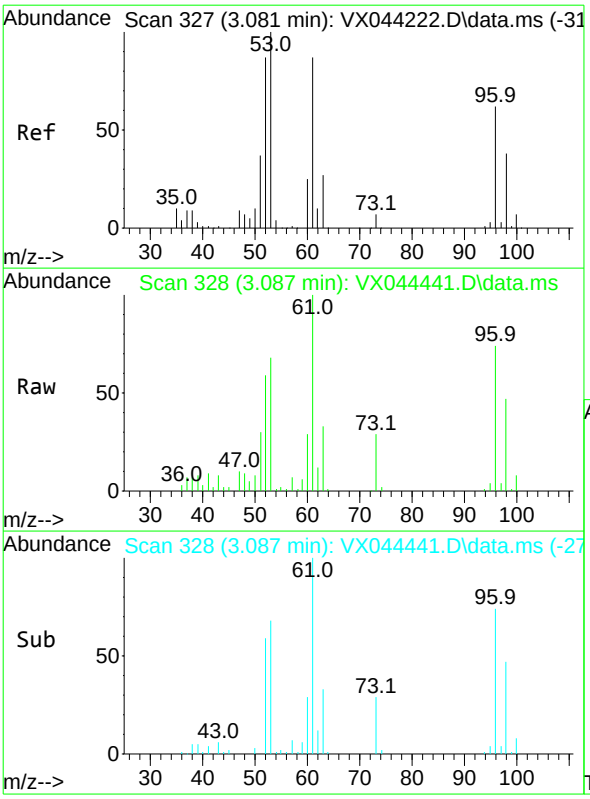



#20
Methylene Chloride
Concen: 19.142 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 84 Resp: 37654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.5 | 104.2 | 156.4 |
| 51 | 35.8 | 32.2 | 48.4 |
| 86 | 61.5 | 50.9 | 76.3 |

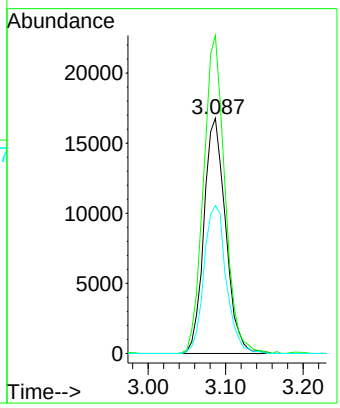





#21
trans-1,2-Dichloroethene
Concen: 18.688 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 96 Resp: 32618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 135.2 | 112.0 | 168.0 |
| 98 | 62.9 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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Reviewed By :Semsettin Yesilyurt 12/23/2024
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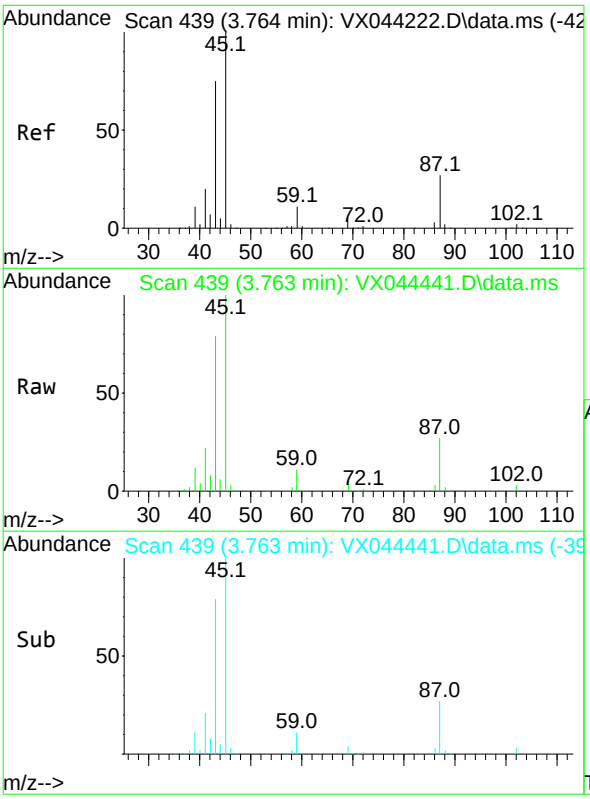
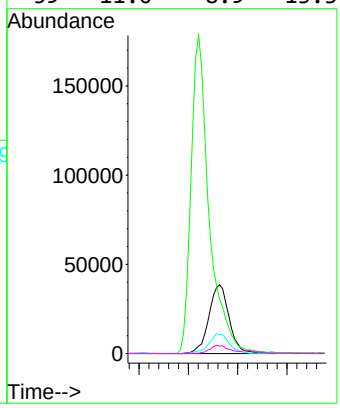
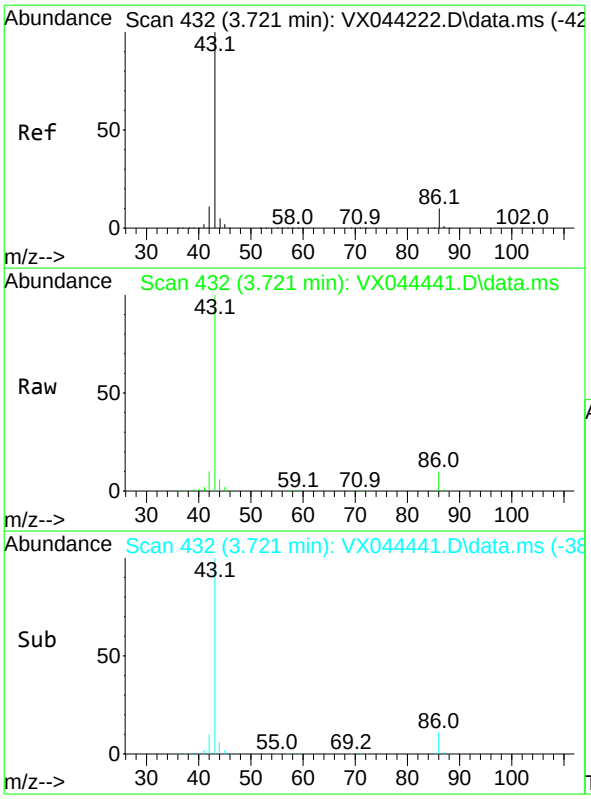



#22
Diisopropyl ether
Concen: 17.968 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 45 Resp: 110674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 77.9 | 60.2 | 90.2 |
| 87 | 27.4 | 21.2 | 31.8 |
| 59 | 11.0 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 91.069 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 43 Resp: 456052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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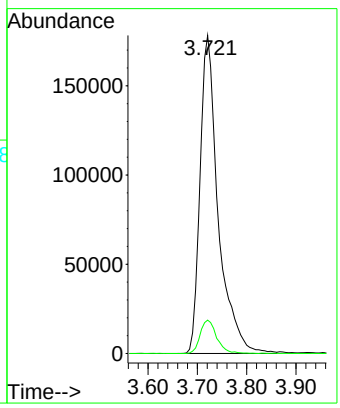
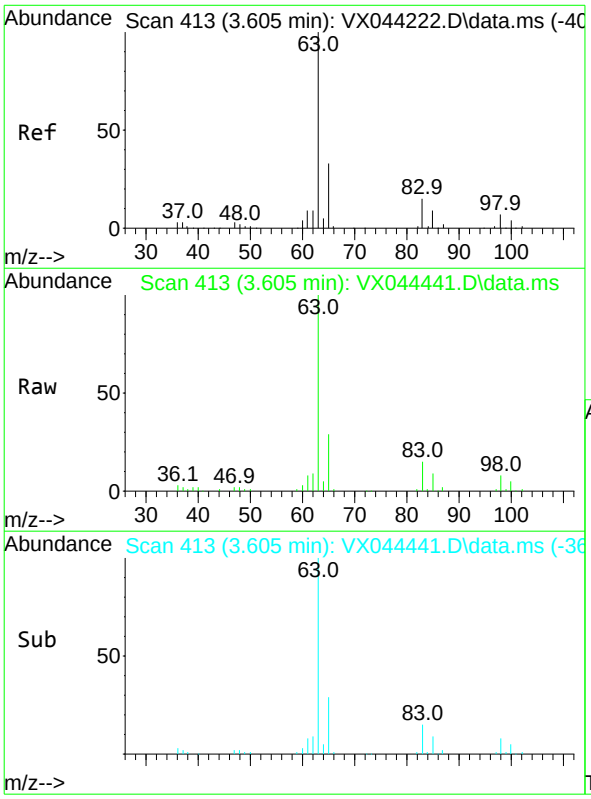
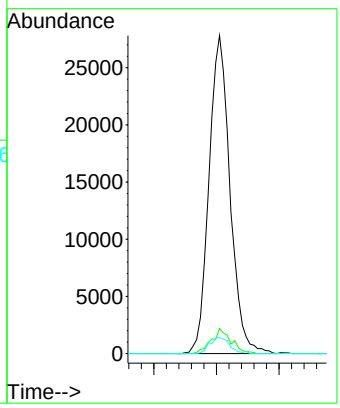


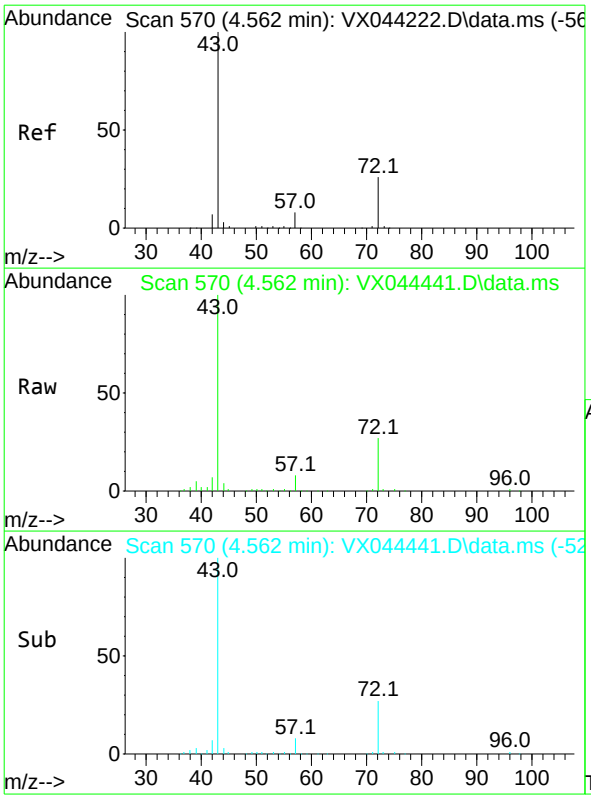




#24
1,1-Dichloroethane
Concen: 18.923 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 63 Resp: 64973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.9 | 3.6 | 10.8 |
| 100 | 5.0 | 2.1 | 6.3 |

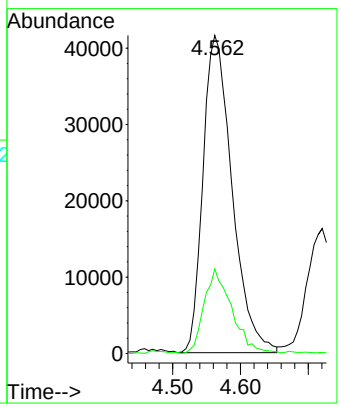





#25
2-Butanone
Concen: 83.289 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 43 Resp: 124008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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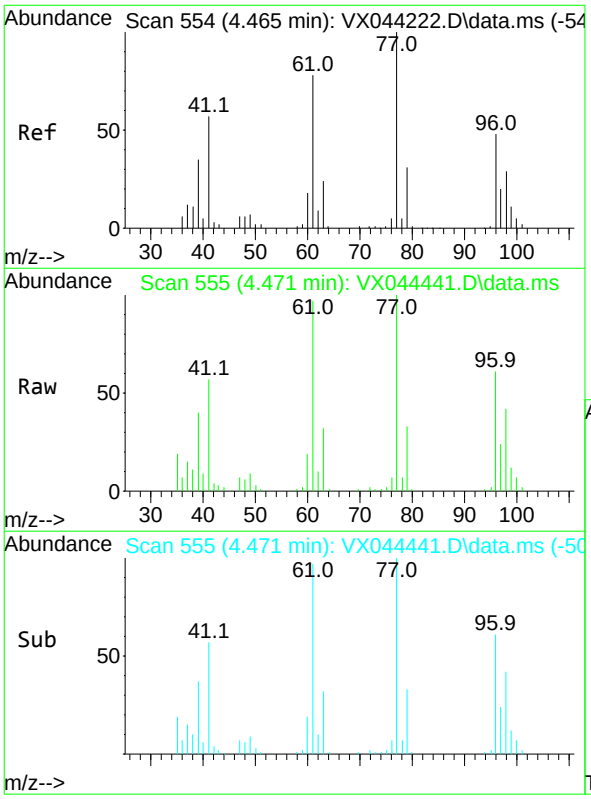
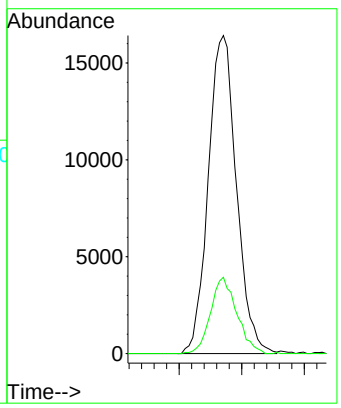
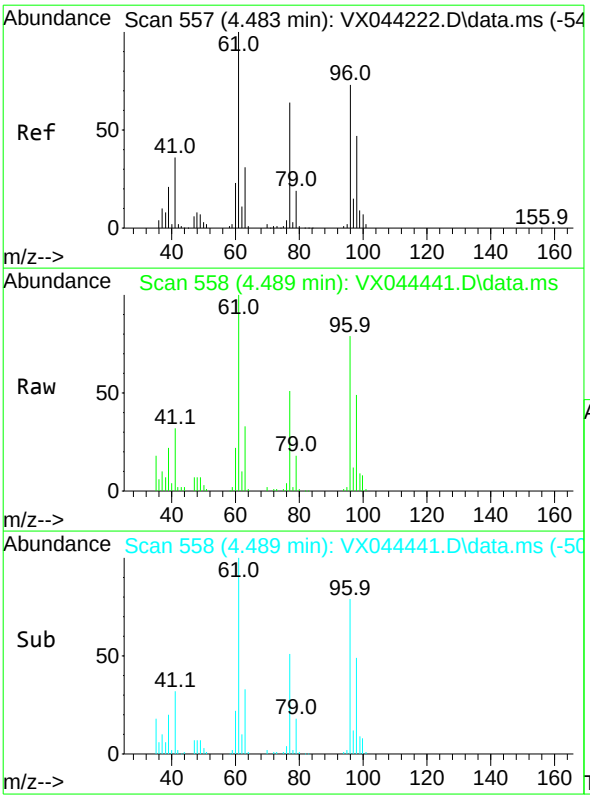



#26
2,2-Dichloropropane
Concen: 18.380 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 77 Resp: 51269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.3 | 10.7 | 32.1 |

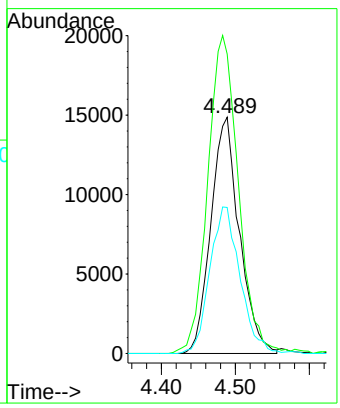





#27
cis-1,2-Dichloroethene
Concen: 17.974 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 96 Resp: 39842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.2 | 0.0 | 299.0 |
| 98 | 65.7 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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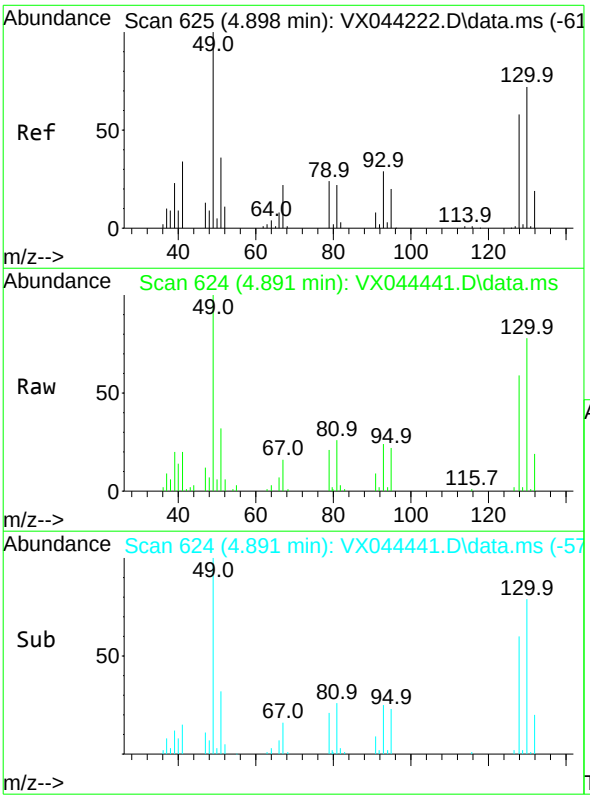
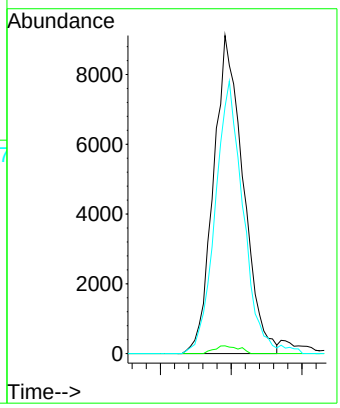
Supervised By :Mahesh Dadoda 12/24/2024

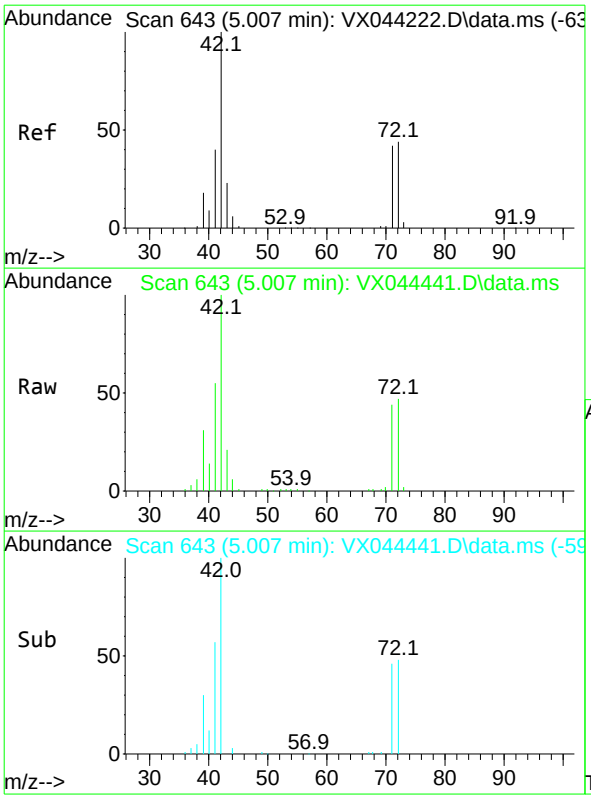



#28
Bromochloromethane
Concen: 15.760 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 49 Resp: 26535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.2 |
| 130 | 80.3 | 62.1 | 93.1 |

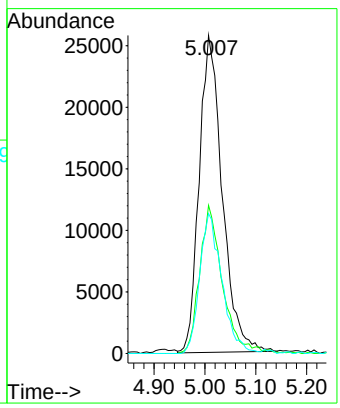





#29
Tetrahydrofuran
Concen: 84.947 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 42 Resp: 81181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.9 | 37.0 | 55.6 |
| 71 | 42.5 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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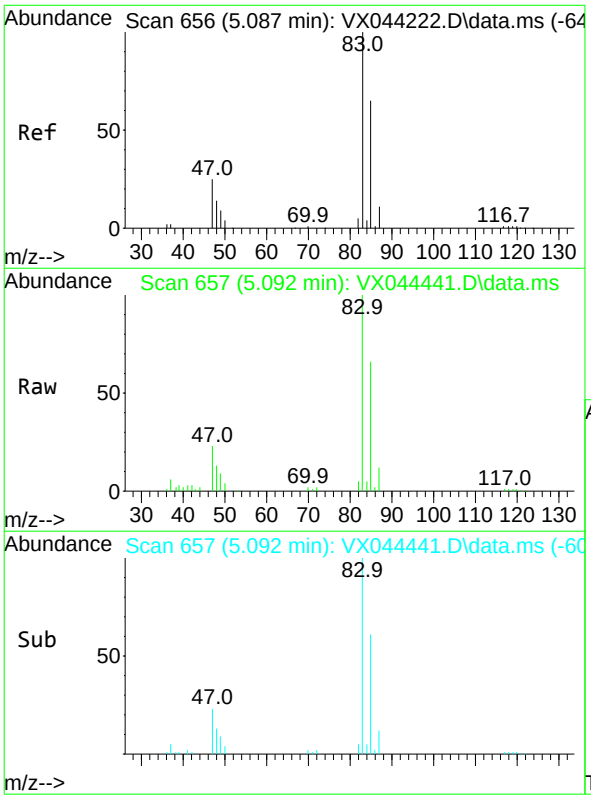
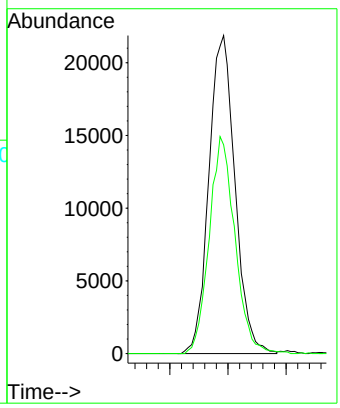
Supervised By :Mahesh Dadoda 12/24/2024

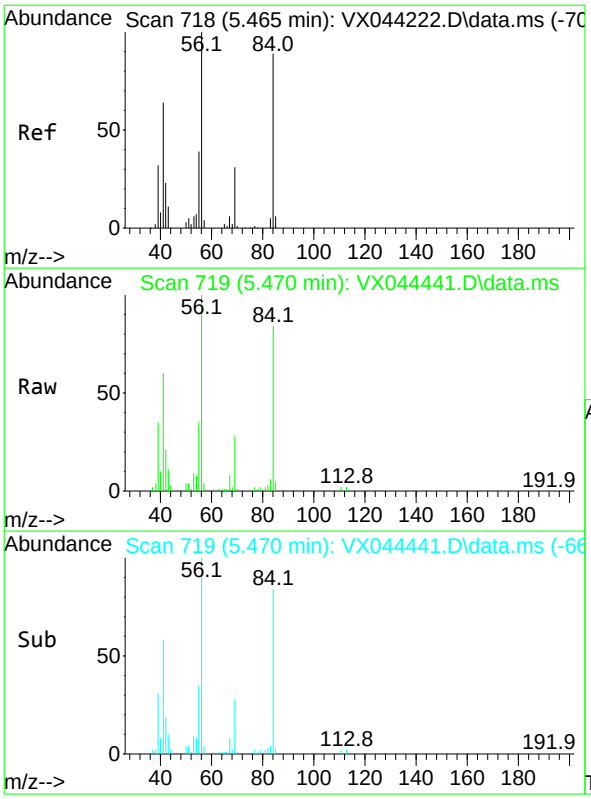



#30
Chloroform
Concen: 17.686 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 83 Resp: 68227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 51.6 | 77.4 |

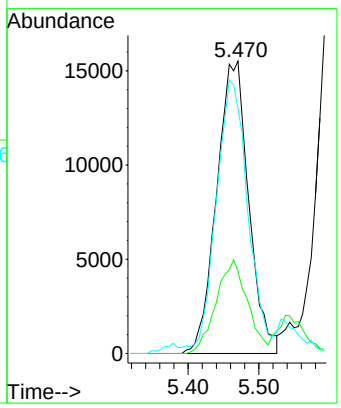





#31
Cyclohexane
Concen: 17.628 ug/l
RT: 5.470 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 56 Resp: 48875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.1 | 24.7 | 37.1 |
| 84 | 81.7 | 71.0 | 106.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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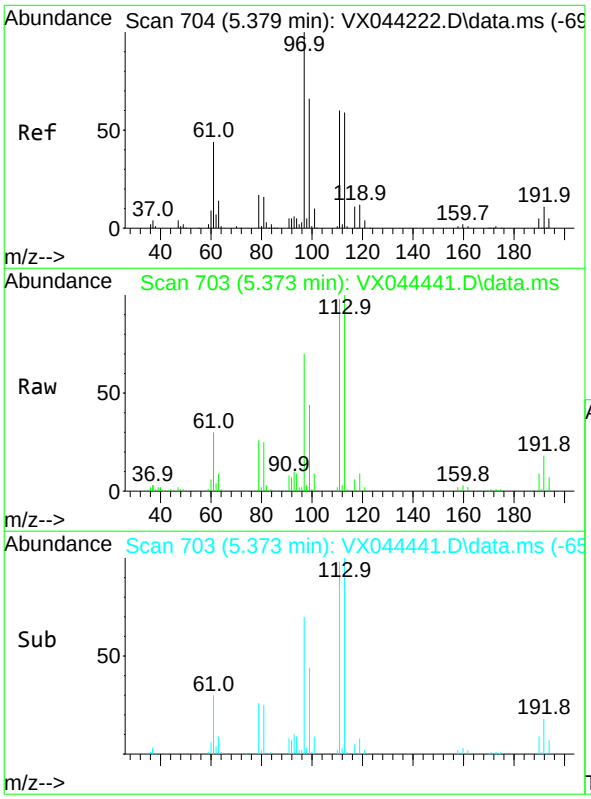
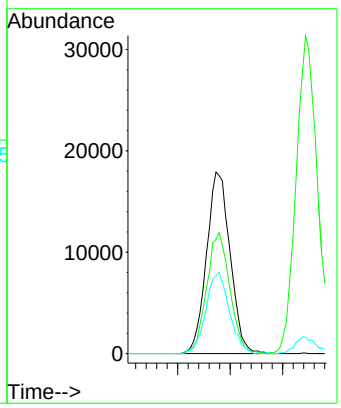
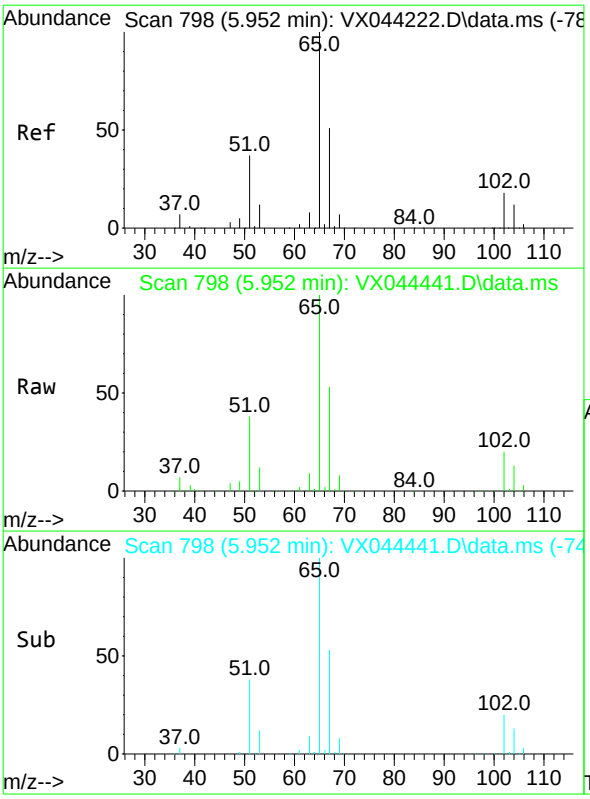



#32
1,1,1-Trichloroethane
Concen: 17.459 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 97 Resp: 55907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.6 | 50.8 | 76.2 |
| 61 | 44.3 | 35.2 | 52.8 |

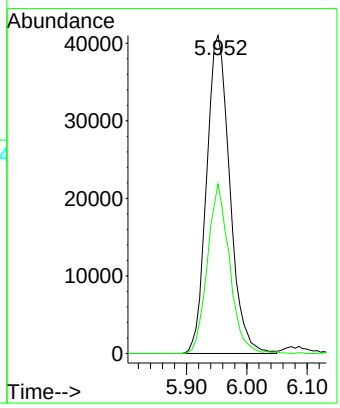





#33
1,2-Dichloroethane-d4
Concen: 42.700 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 65 Resp: 109691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.7 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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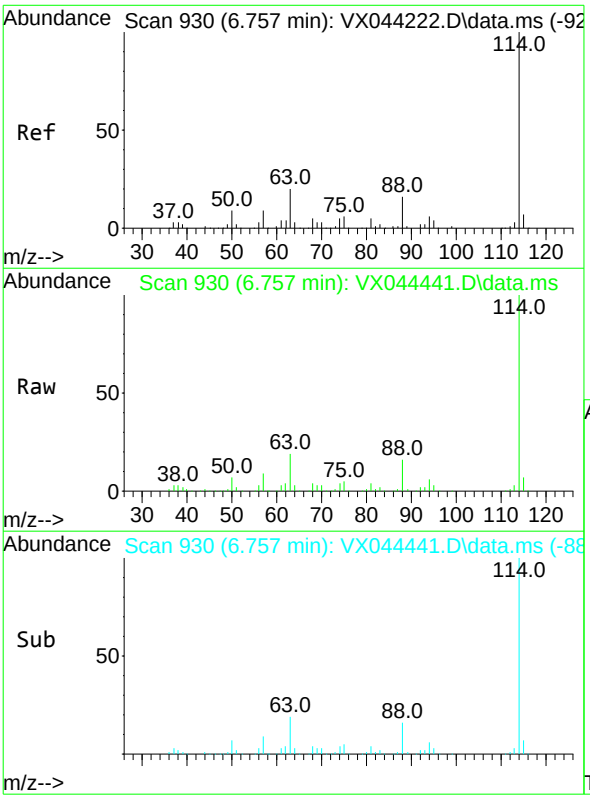
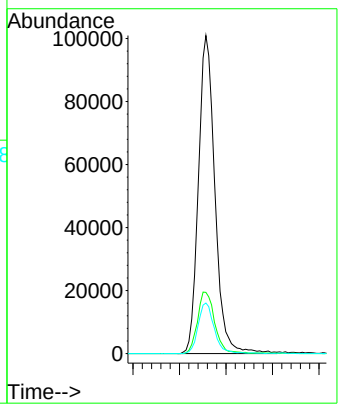
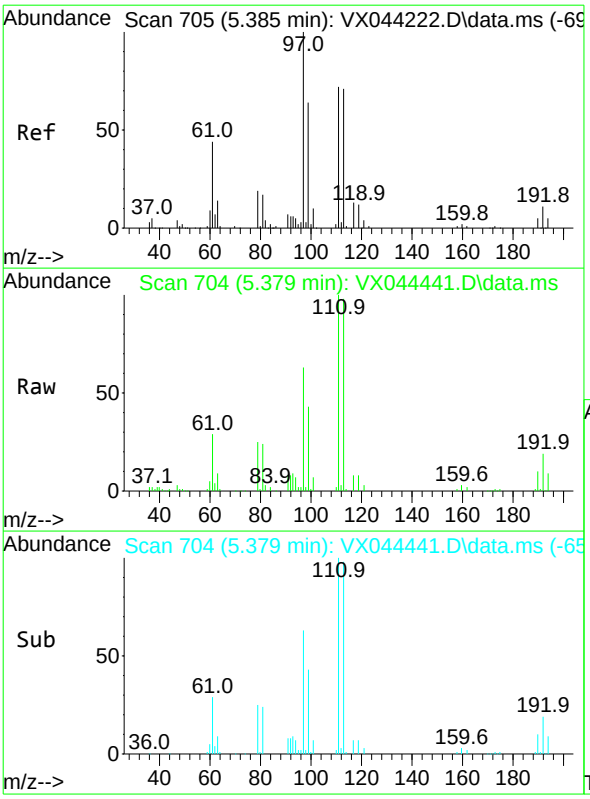



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:114 Resp: 249173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 40.6 |
| 88 | 15.9 | 0.0 | 31.8 |






#35
Dibromofluoromethane
Concen: 48.541 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

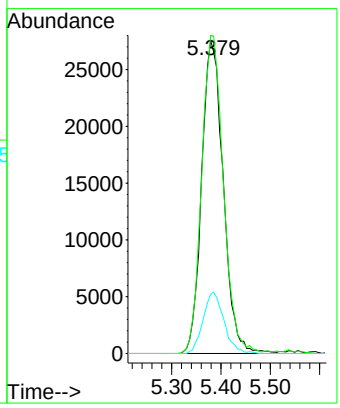
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

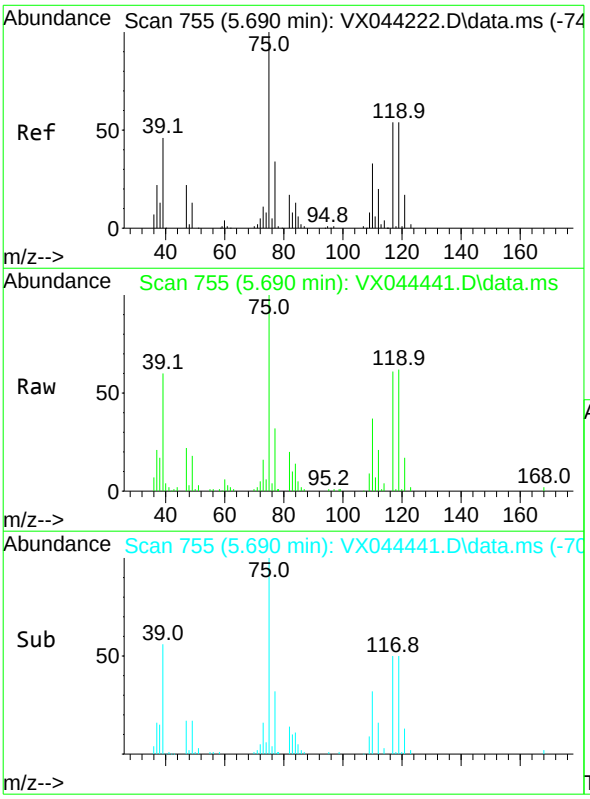
Tgt Ion:113 Resp: 83769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 80.4 | 120.6 |
| 192 | 18.9 | 13.3 | 19.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

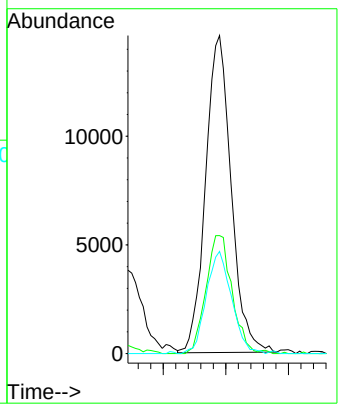


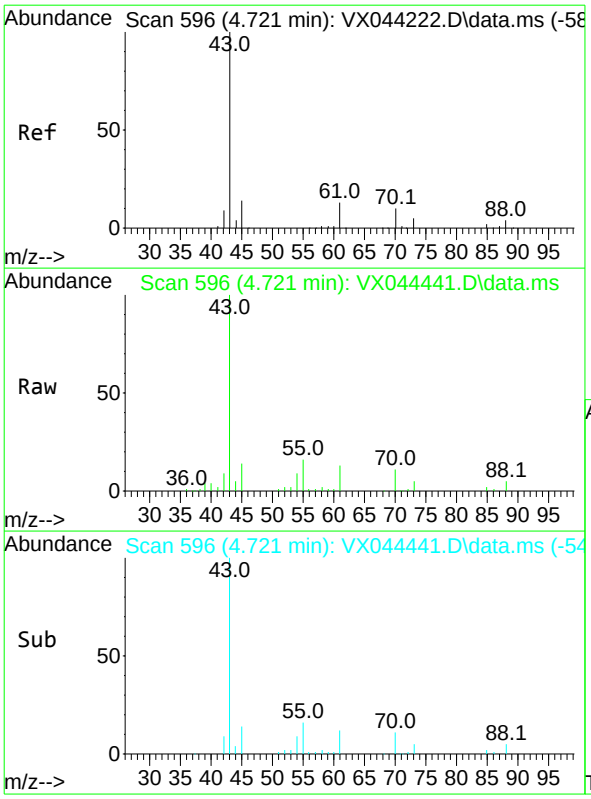




#36
1,1-Dichloropropene
Concen: 18.566 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 41416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 37.6 | 17.3 | 51.7 |
| 77 | 31.9 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 17.412 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

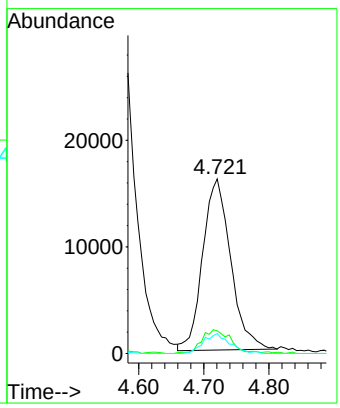
Tgt Ion: 43 Resp: 48014

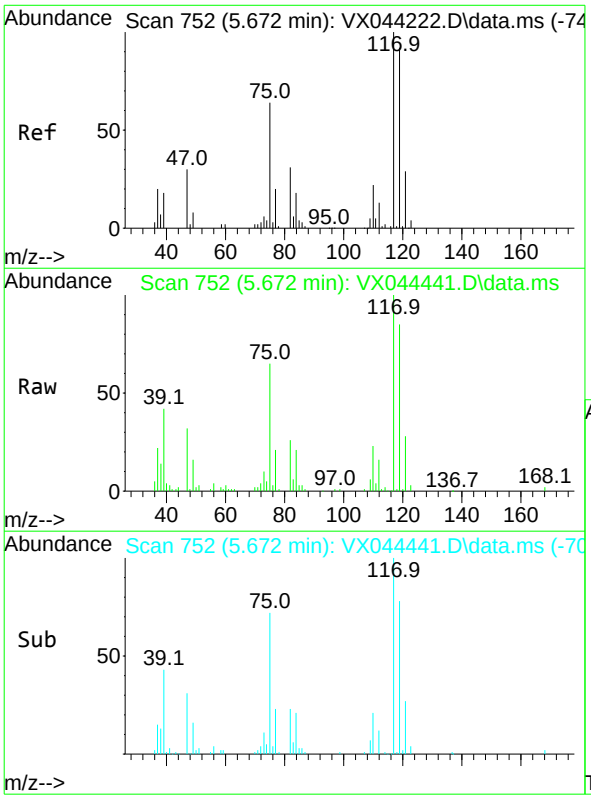
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.3 | 9.8 | 14.8 |
| 70 | 11.0 | 7.7 | 11.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

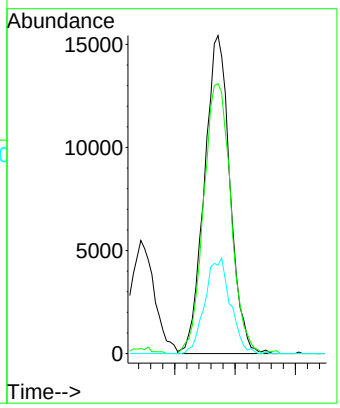


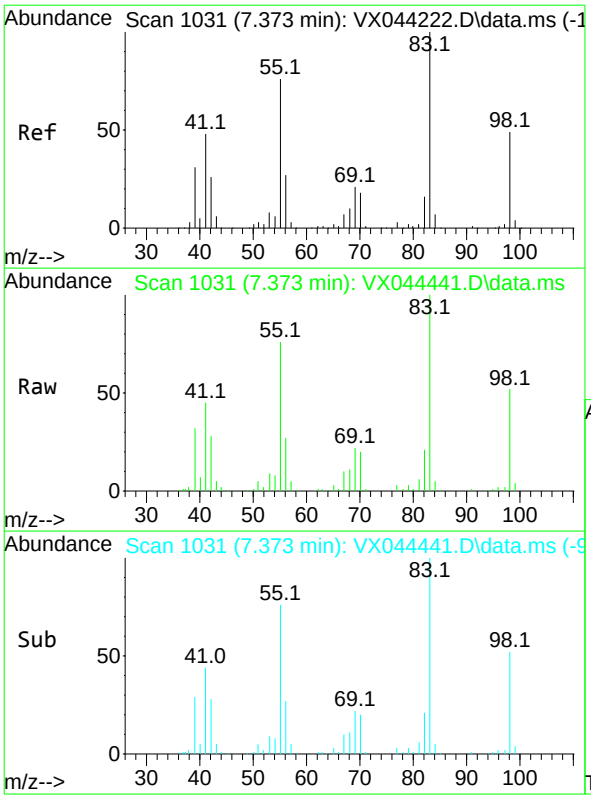




#38
Carbon Tetrachloride
Concen: 18.898 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:117 Resp: 45386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 84.9 | 74.2 | 111.4 |
| 121 | 27.7 | 23.0 | 34.6 |

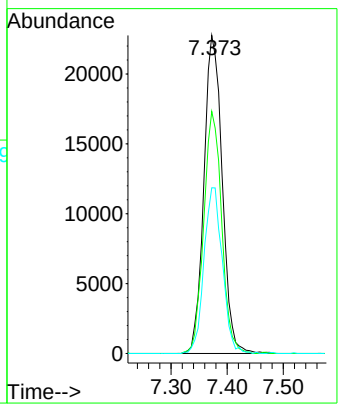





#39
Methylcyclohexane
Concen: 19.332 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 83 Resp: 51554

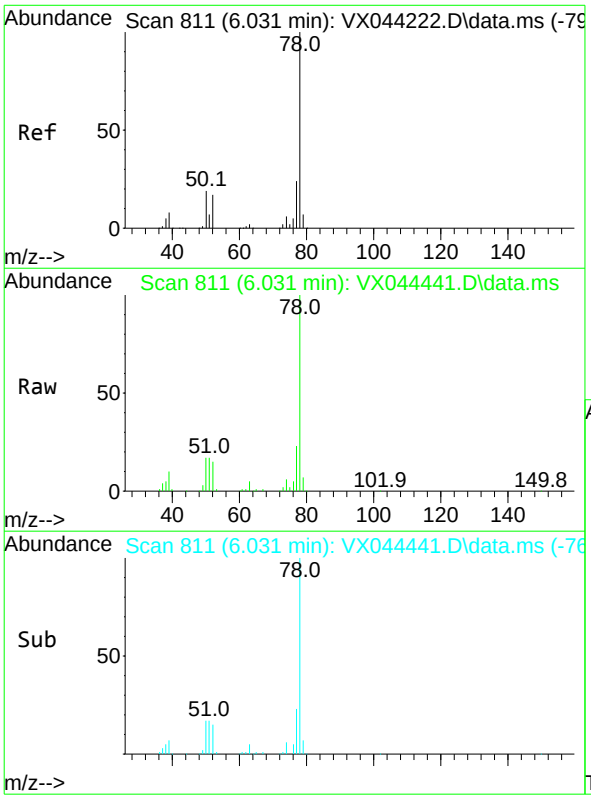
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.1 | 60.7 | 91.1 |
| 98 | 52.1 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

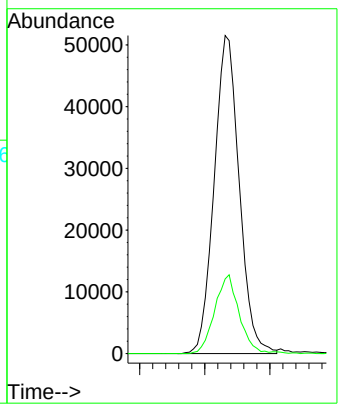
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

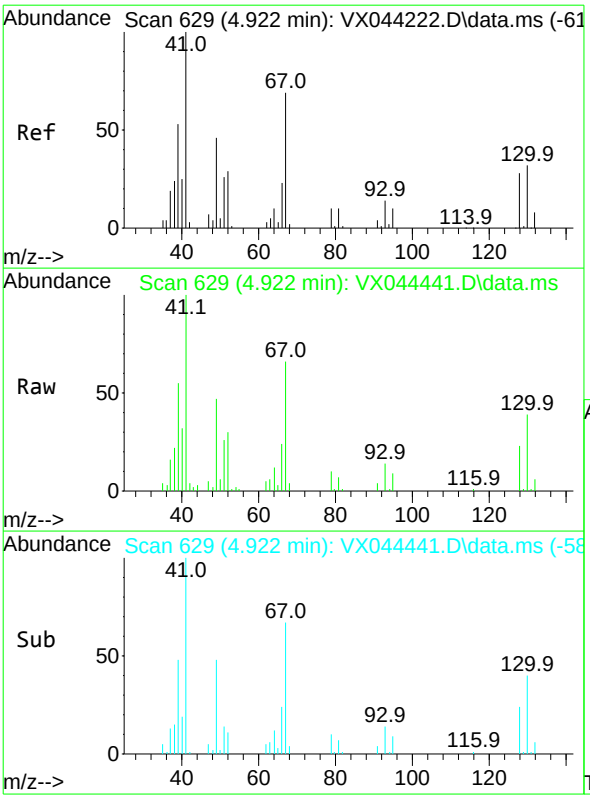



#40
Benzene
Concen: 20.358 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 78 Resp: 137885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |

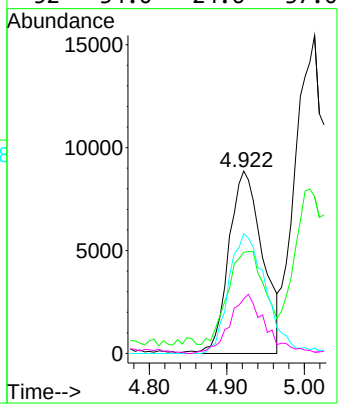





#41
Methacrylonitrile
Concen: 18.343 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 41 Resp: 26859

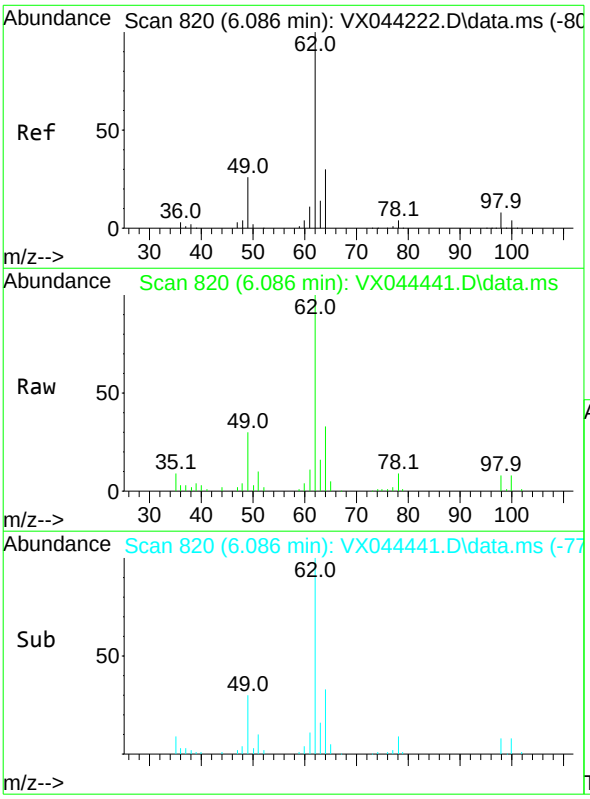
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.0 | 44.2 | 66.4 |
| 67 | 72.8 | 57.2 | 85.8 |
| 52 | 34.0 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

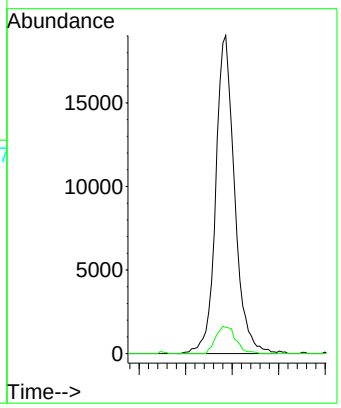
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

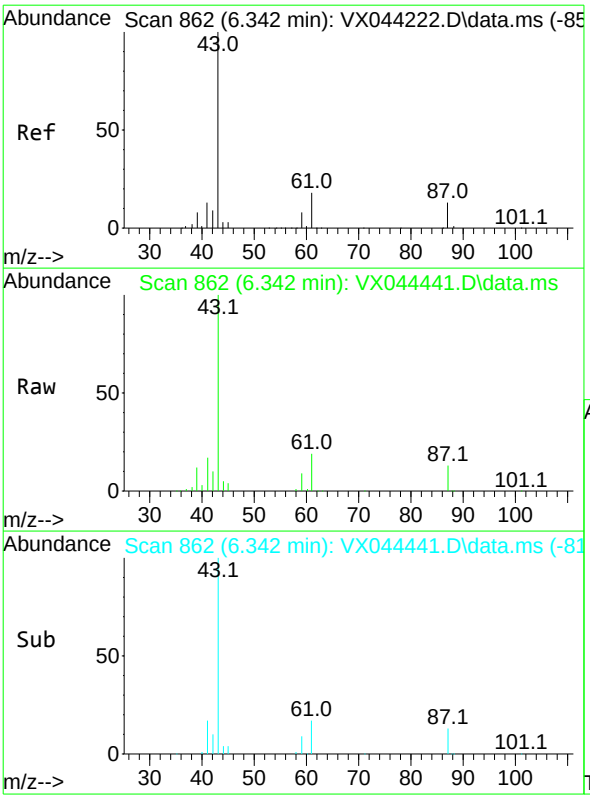



#42
1,2-Dichloroethane
Concen: 19.207 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 62 Resp: 53588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 15.8 |

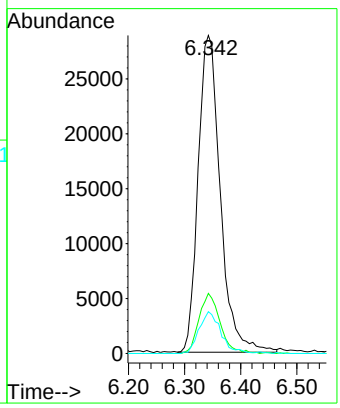





#43
Isopropyl Acetate
Concen: 18.378 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 43 Resp: 79207

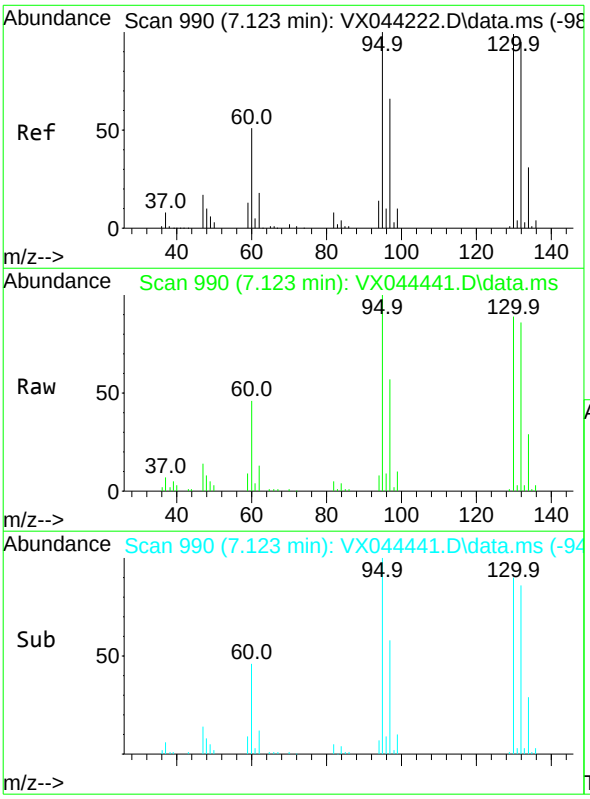
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.2 | 21.2 |
| 87 | 12.9 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

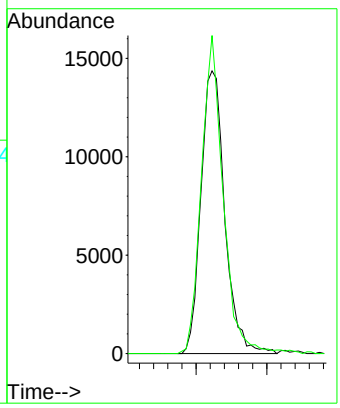
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

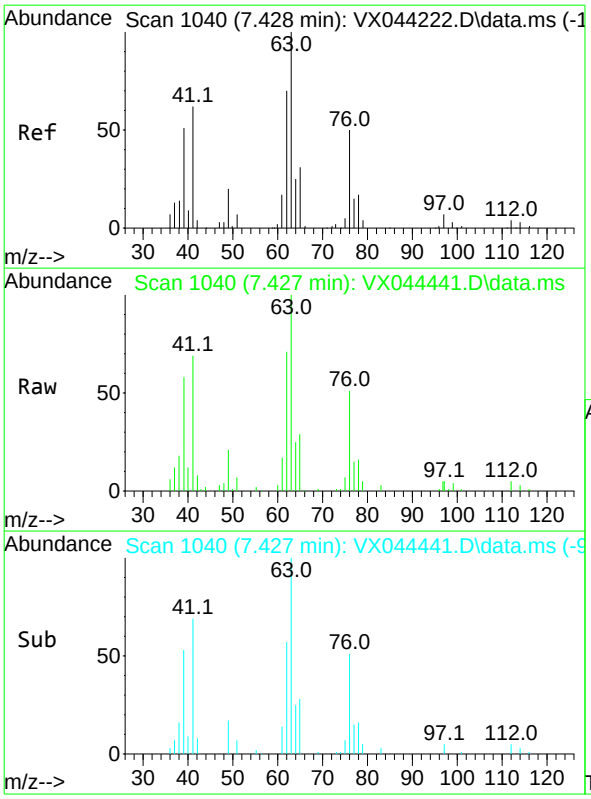



#44
Trichloroethene
Concen: 19.902 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:130 Resp: 33615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 112.5 | 0.0 | 201.4 |

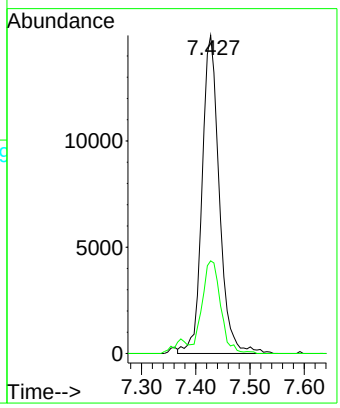





#45
1,2-Dichloropropane
Concen: 19.077 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 63 Resp: 33011

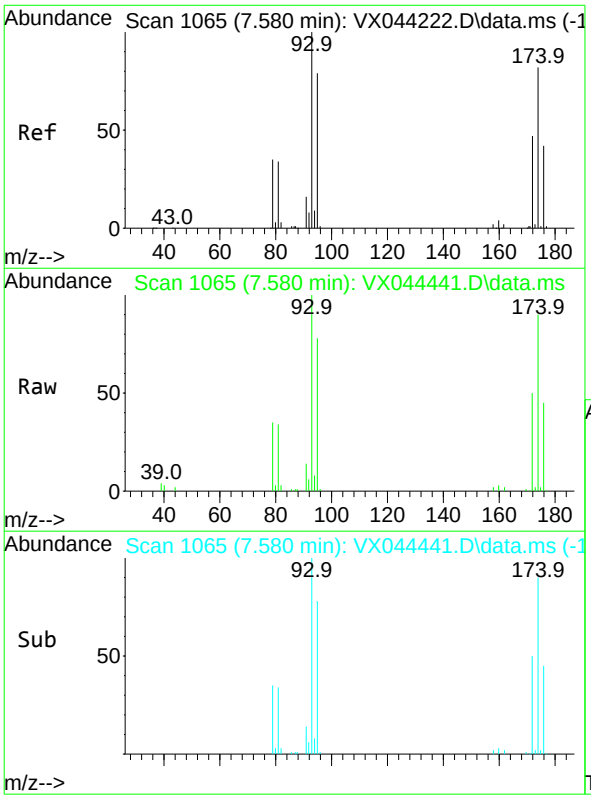
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.1 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

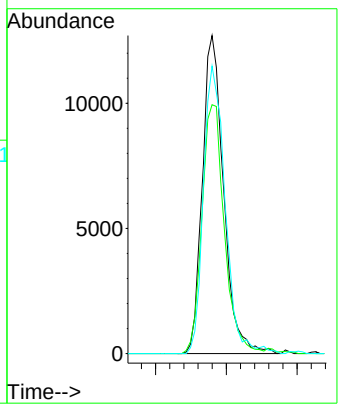
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

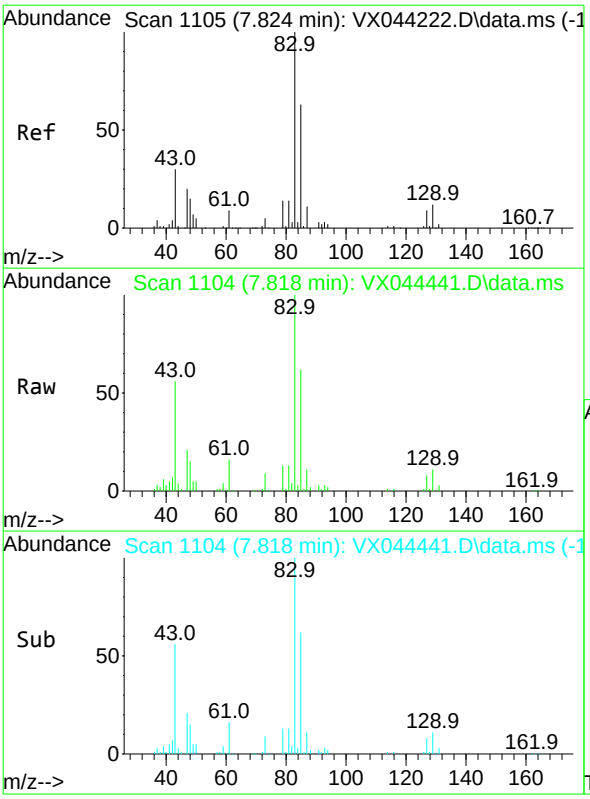



#46
Dibromomethane
Concen: 19.737 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 93 Resp: 26495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 65.4 | 98.2 |
| 174 | 92.4 | 67.9 | 101.9 |

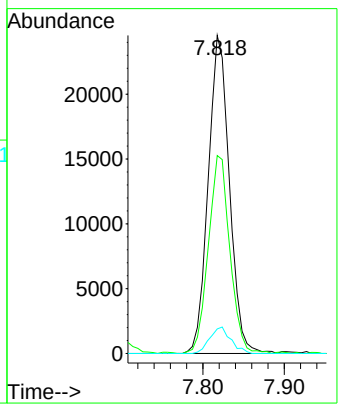





#47
Bromodichloromethane
Concen: 19.132 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 83 Resp: 44357

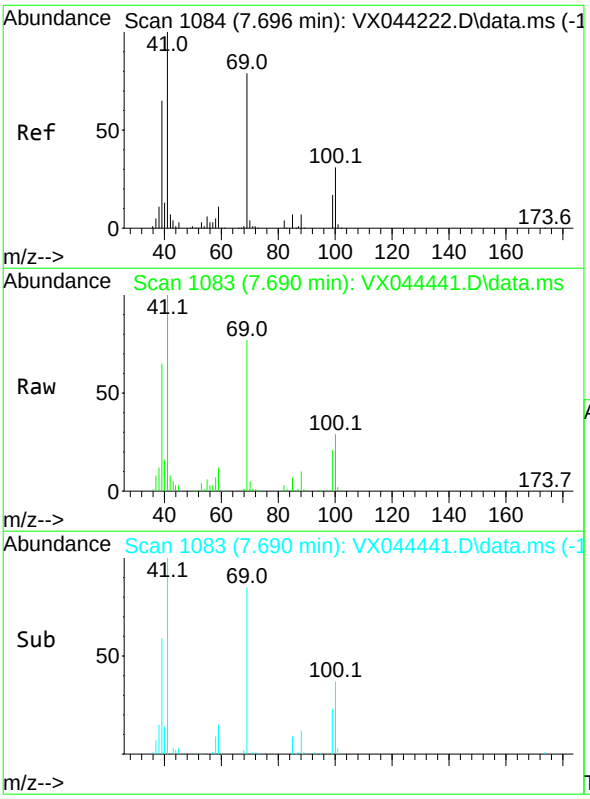
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 50.6 | 75.8 |
| 127 | 7.7 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

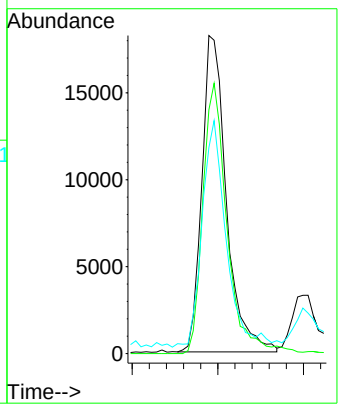
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

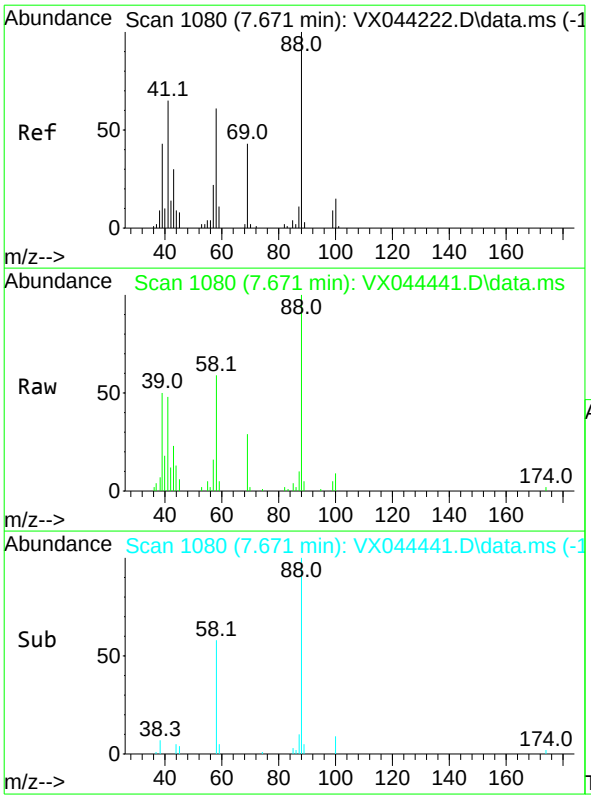



#48
Methyl methacrylate
Concen: 17.281 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 41 Resp: 36154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.8 | 62.4 | 93.6 |
| 39 | 70.2 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 292.846 ug/l
RT: 7.671 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

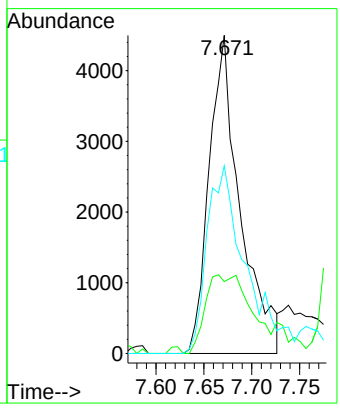
Tgt Ion: 88 Resp: 10158

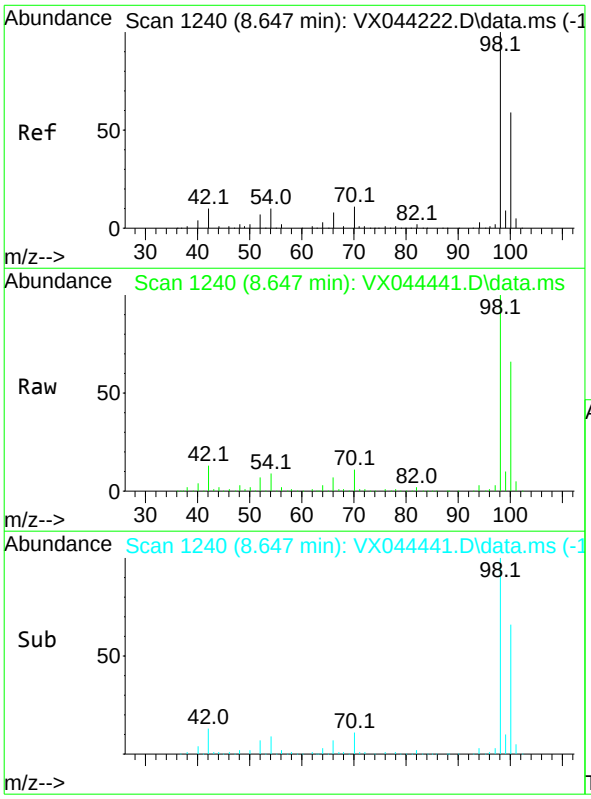
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.0 | 27.1 | 40.7 |
| 58 | 73.5 | 41.0 | 61.4# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

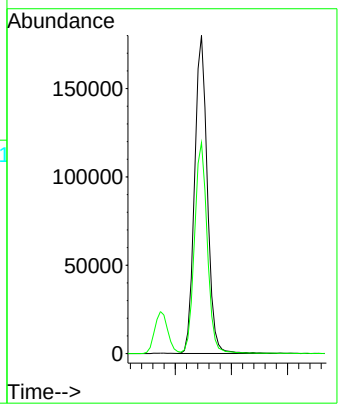


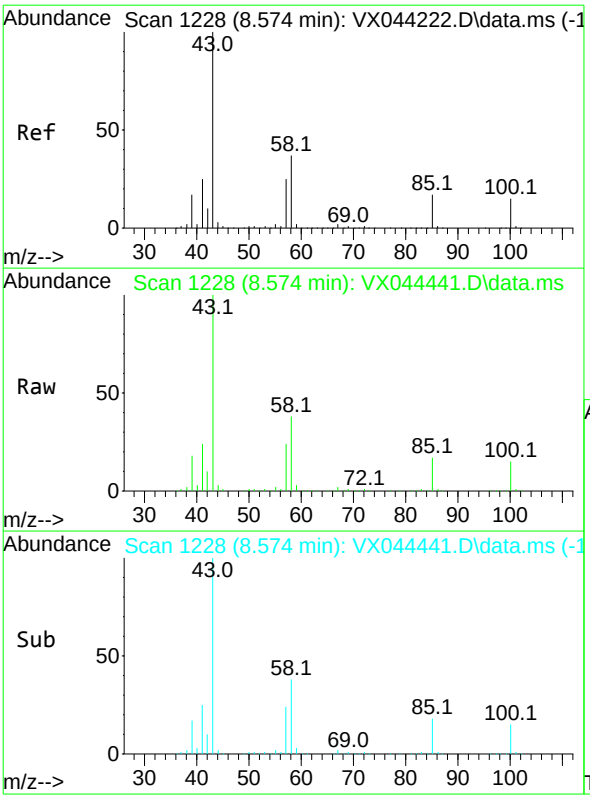




#50
Toluene-d8
Concen: 48.669 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 98 Resp: 283358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 51.5 | 77.3 |






#51
4-Methyl-2-Pentanone
Concen: 92.373 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

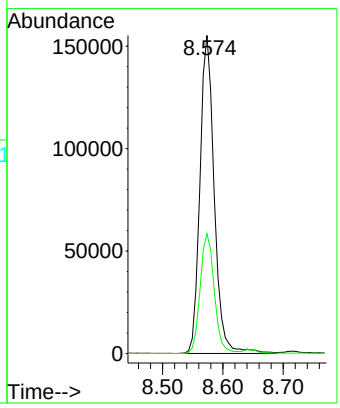
Tgt Ion: 43 Resp: 255984

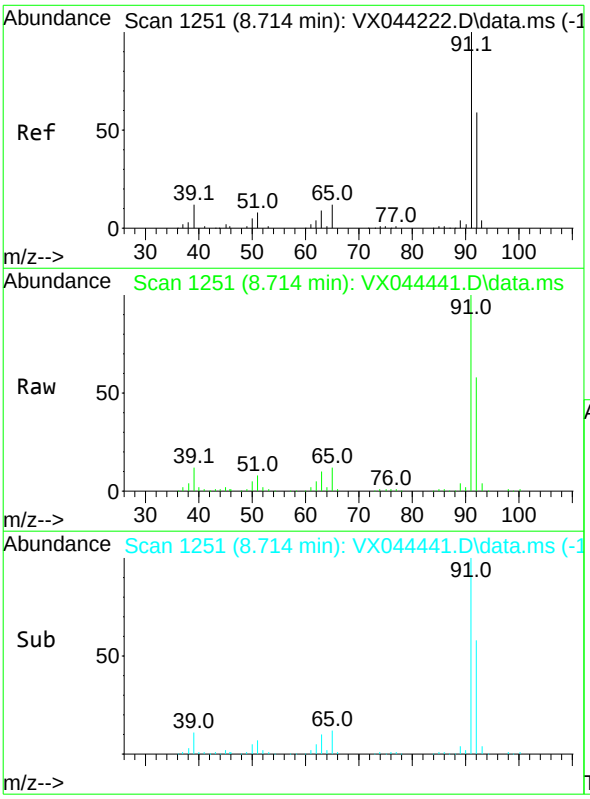
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 29.4 | 44.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

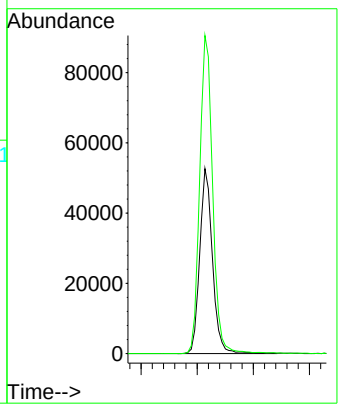


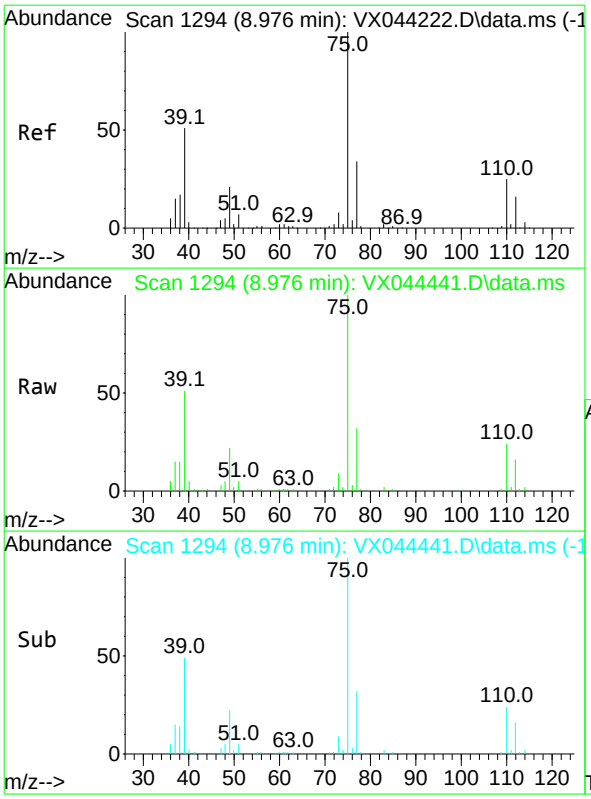




#52
Toluene
Concen: 19.504 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 92 Resp: 82957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.4 | 137.0 | 205.6 |

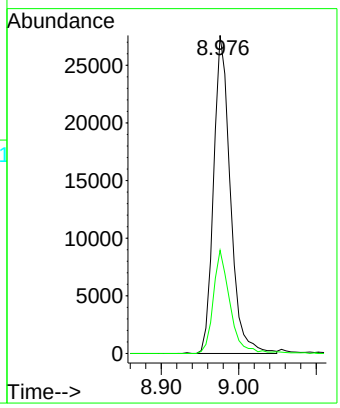





#53
t-1,3-Dichloropropene
Concen: 17.860 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 41417

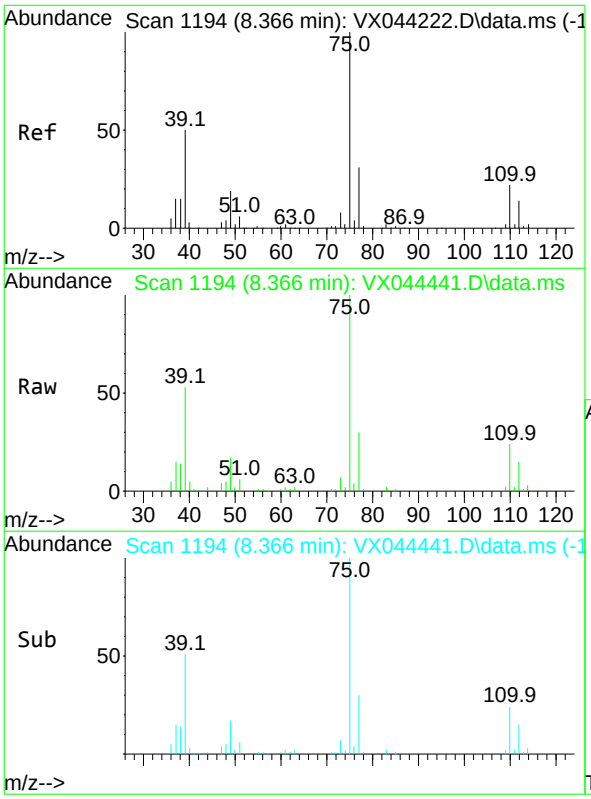
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

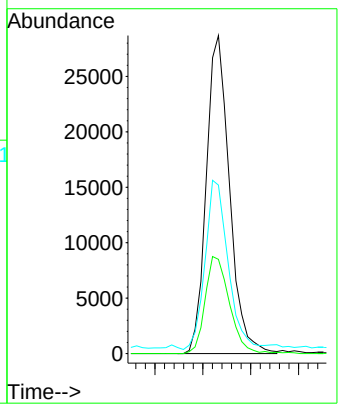
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

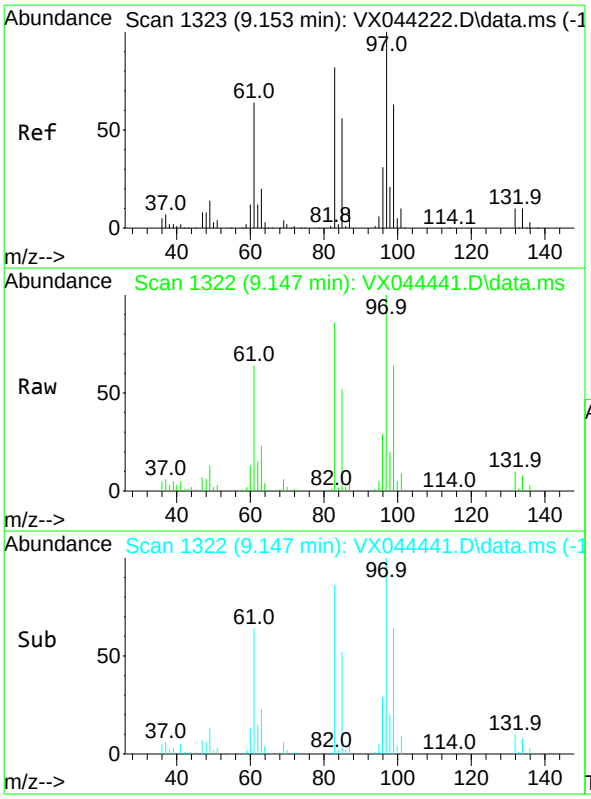



#54
cis-1,3-Dichloropropene
Concen: 19.157 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 48359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.6 | 24.7 | 37.1 |
| 39 | 51.1 | 40.3 | 60.5 |

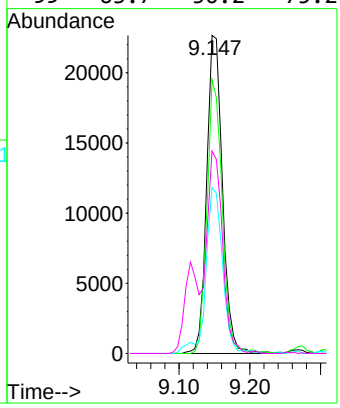





#55
1,1,2-Trichloroethane
Concen: 20.801 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 97 Resp: 35148

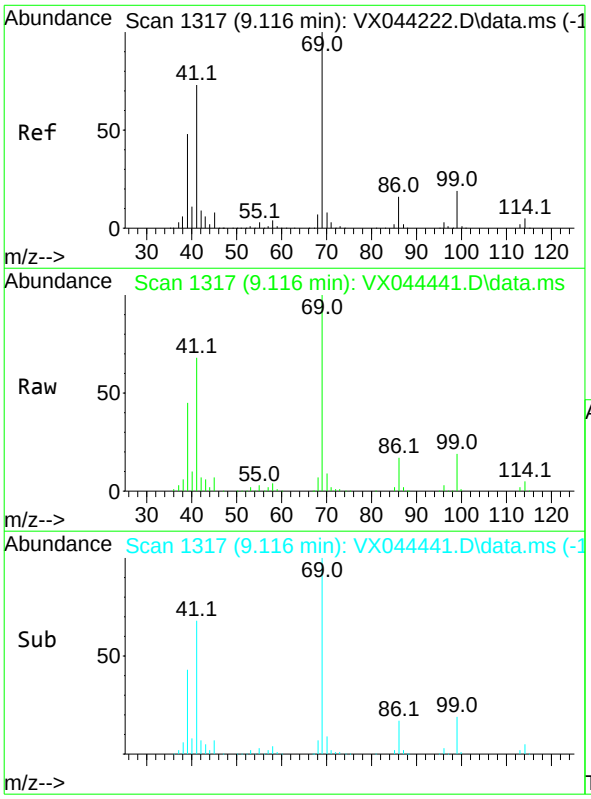
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 65.3 | 97.9 |
| 85 | 51.7 | 44.6 | 67.0 |
| 99 | 63.7 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

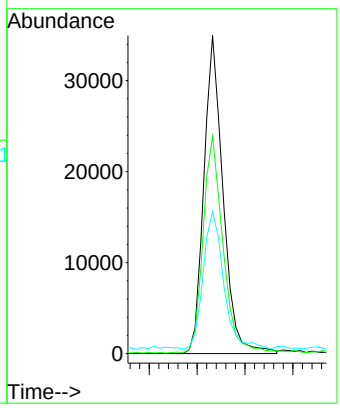
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

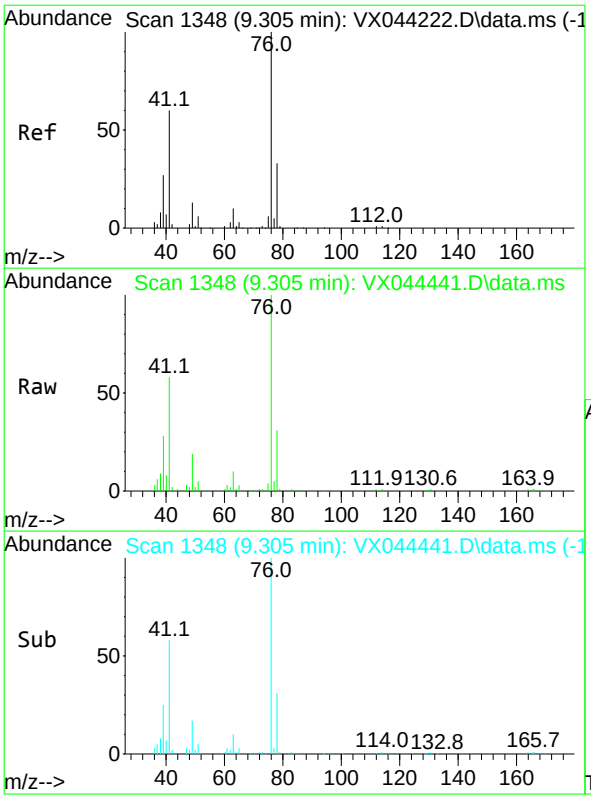



#56
Ethyl methacrylate
Concen: 18.235 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 69 Resp: 48642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.0 | 56.6 | 85.0 |
| 39 | 46.3 | 37.4 | 56.0 |

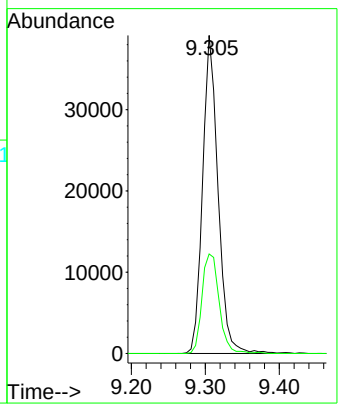





#57
1,3-Dichloropropane
Concen: 19.260 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 76 Resp: 56644

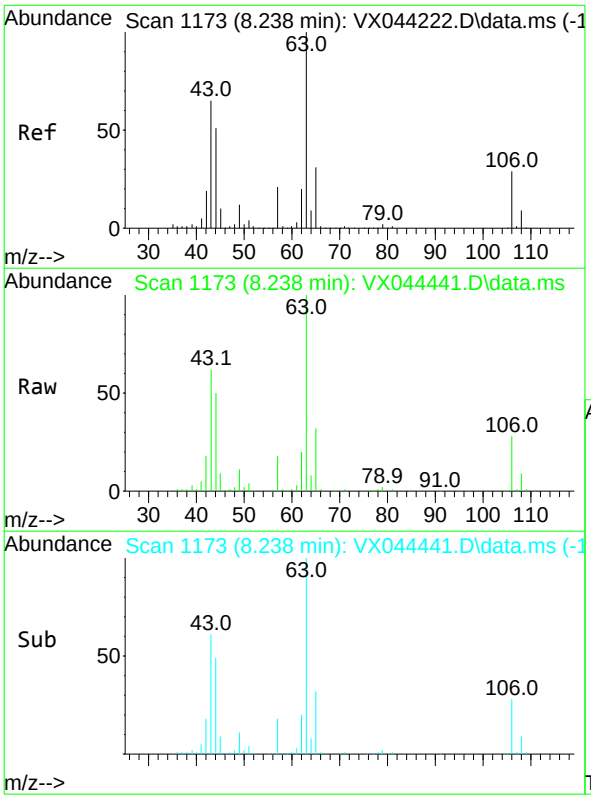
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 34.8 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

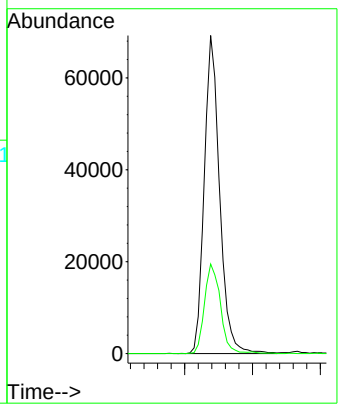
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

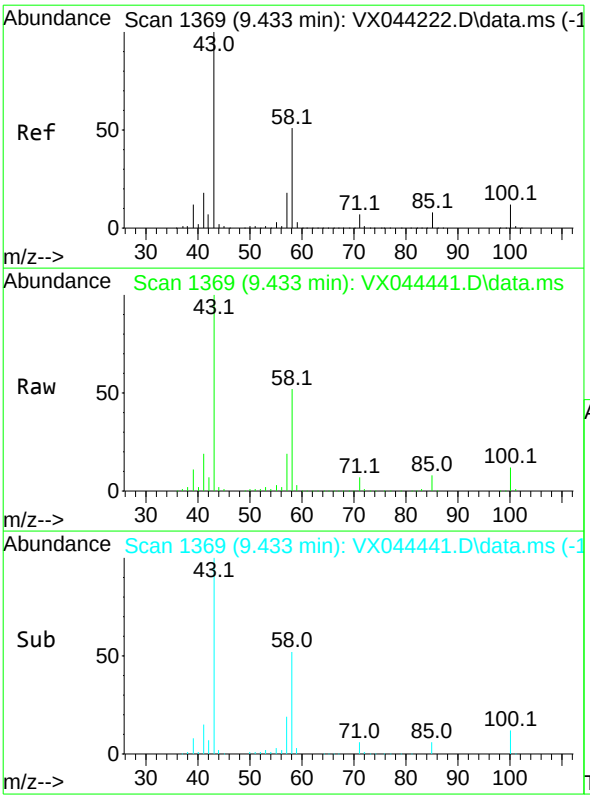



#58
2-Chloroethyl Vinyl ether
Concen: 81.033 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 63 Resp: 109022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.3 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 90.356 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

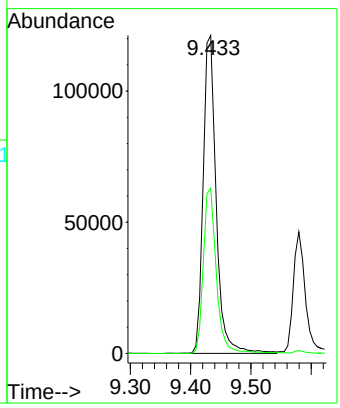
Tgt Ion: 43 Resp: 181241

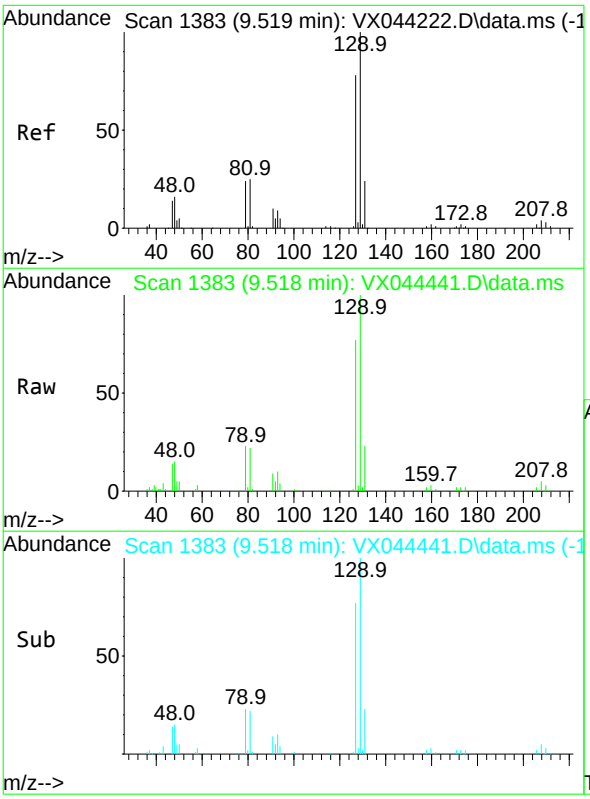
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.2 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

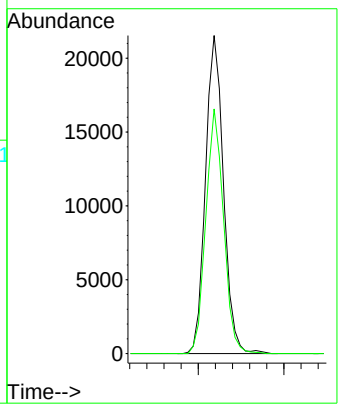


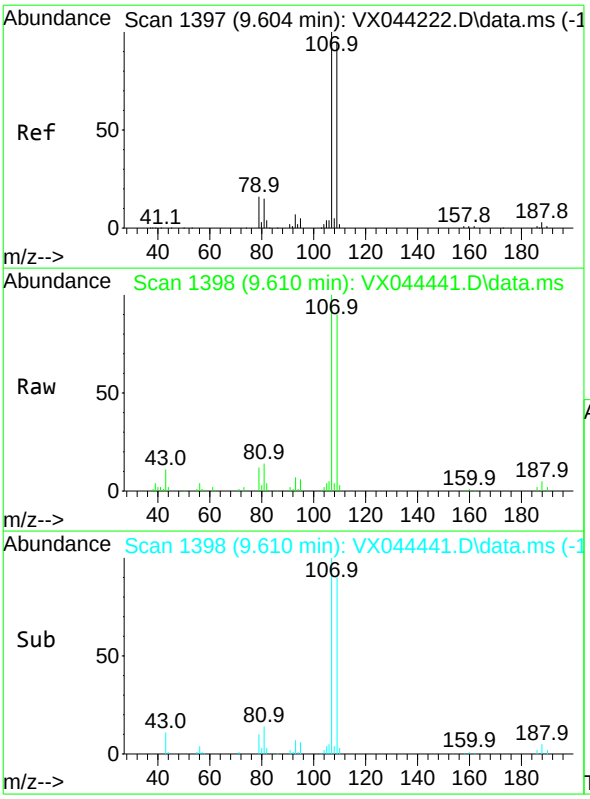




#60
Dibromochloromethane
Concen: 18.848 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:129 Resp: 31411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.9 | 38.5 | 115.3 |

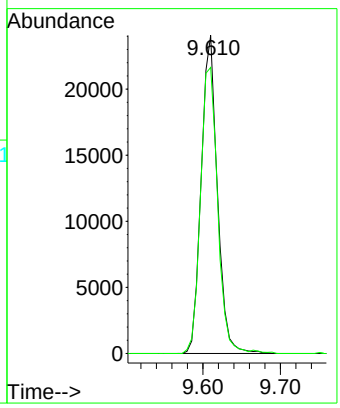





#61
1,2-Dibromoethane
Concen: 20.234 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:107 Resp: 34801

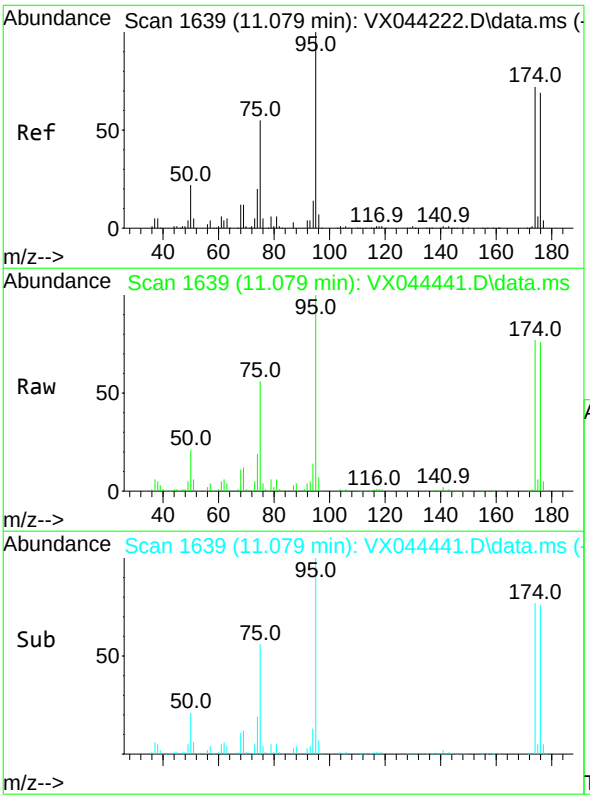
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.1 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

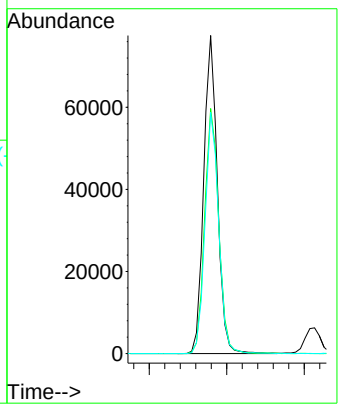
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

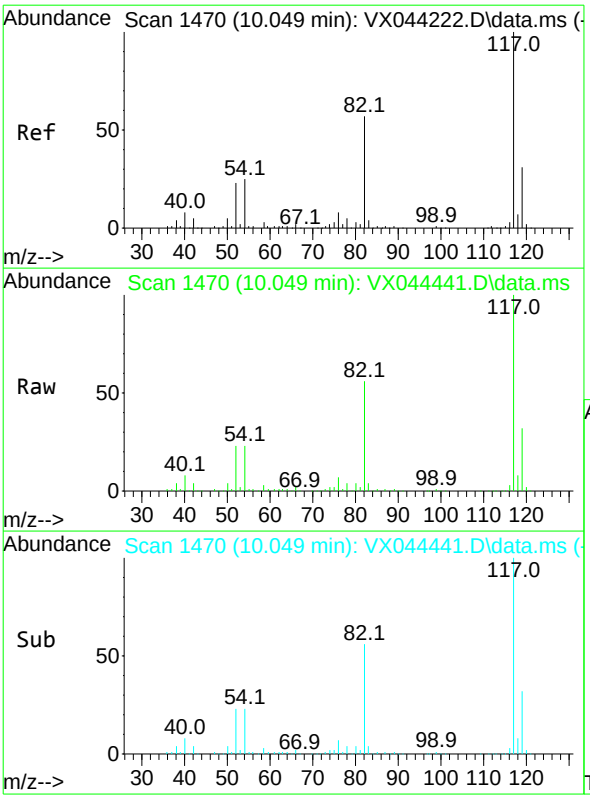



#62
4-Bromofluorobenzene
Concen: 46.443 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 95 Resp: 94485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.5 | 0.0 | 145.8 |
| 176 | 76.2 | 0.0 | 137.8 |

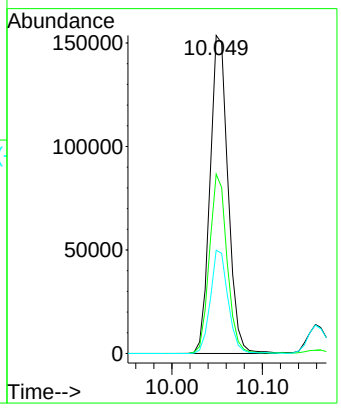





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:117 Resp: 212384

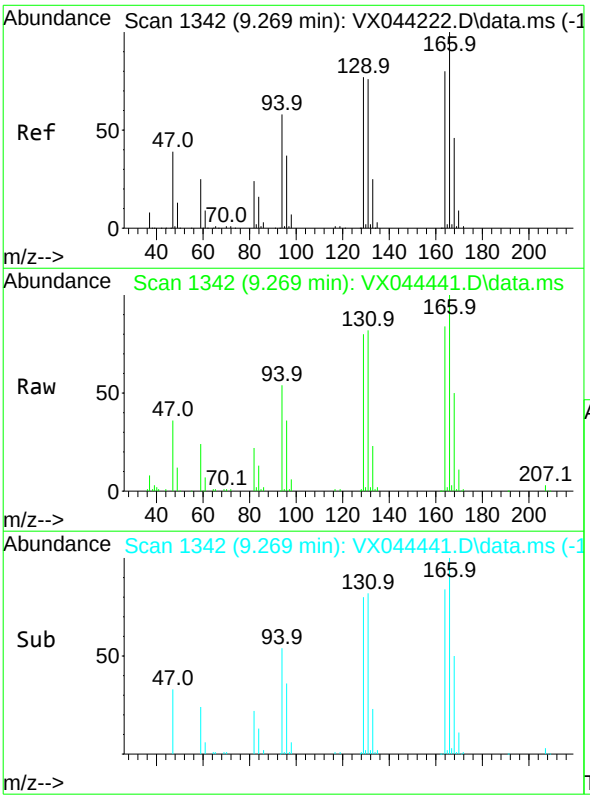
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 45.8 | 68.8 |
| 119 | 32.5 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

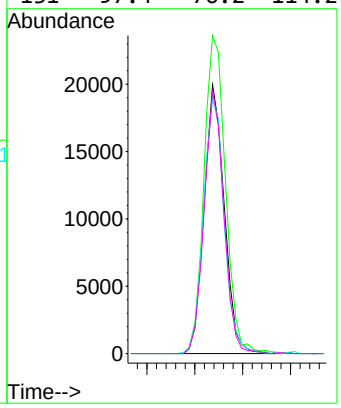
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

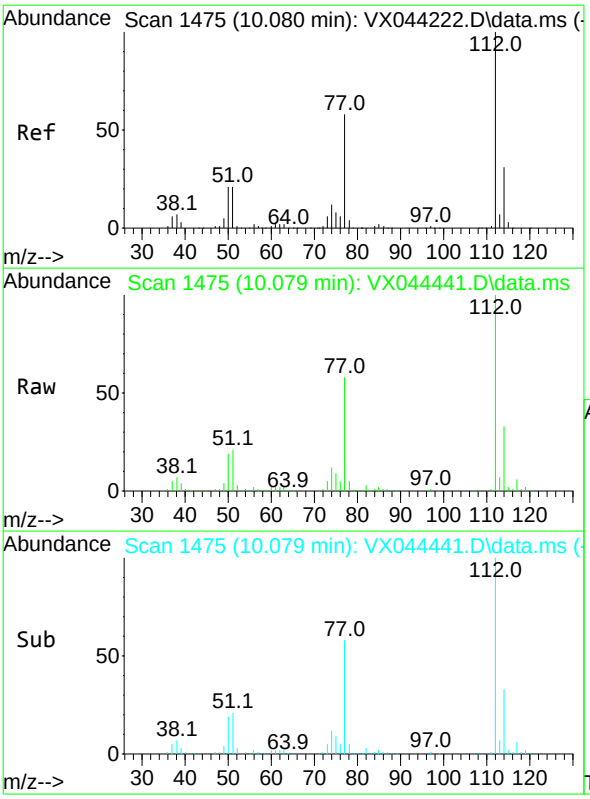



#64
Tetrachloroethene
Concen: 20.762 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:164 Resp: 29267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 118.4 | 100.4 | 150.6 |
| 129 | 94.7 | 77.2 | 115.8 |
| 131 | 97.4 | 76.2 | 114.2 |

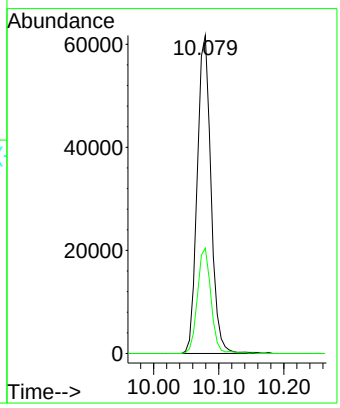





#65
Chlorobenzene
Concen: 19.906 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:112 Resp: 90589

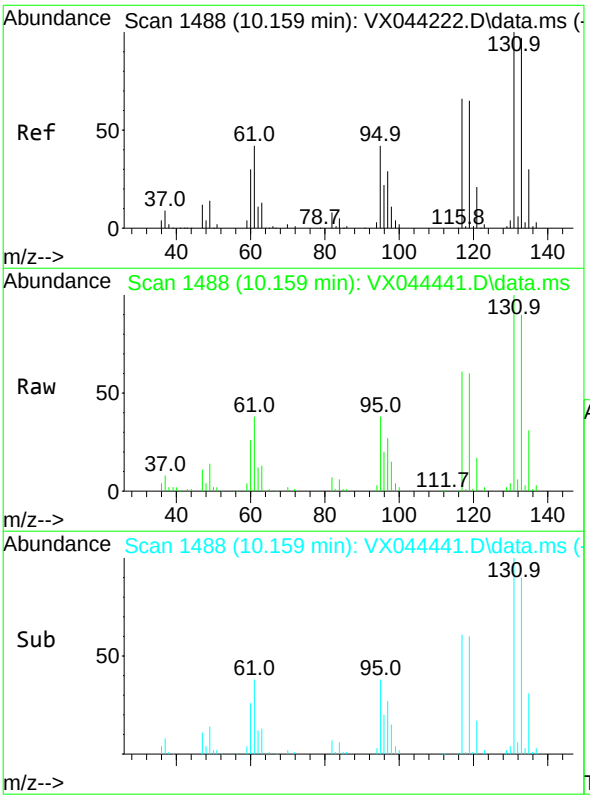
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.1 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

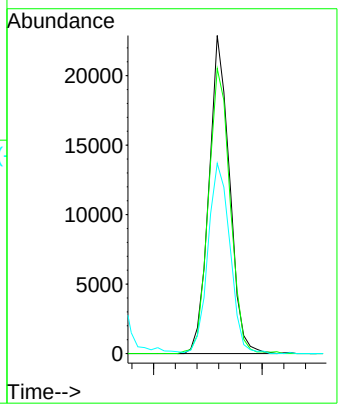
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

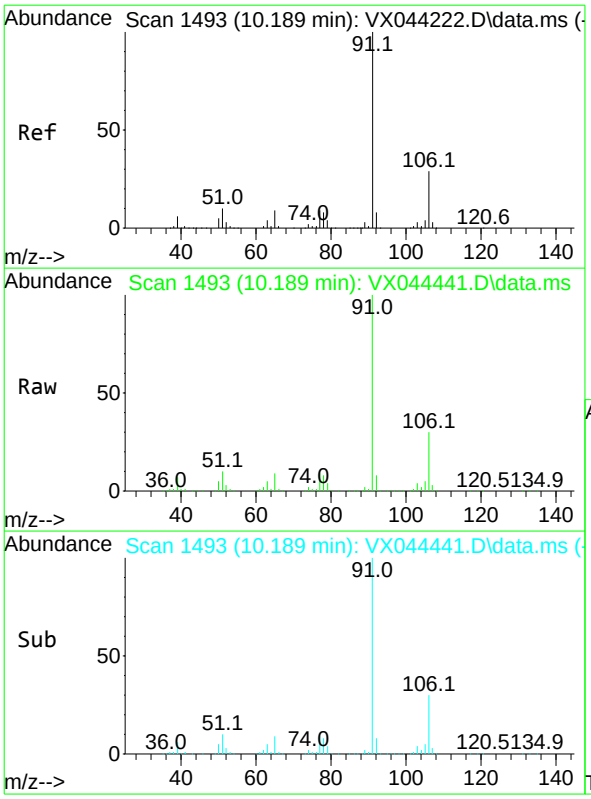



#66
1,1,1,2-Tetrachloroethane
Concen: 20.643 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:131 Resp: 30193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.9 | 47.3 | 141.8 |
| 119 | 63.9 | 31.6 | 95.0 |

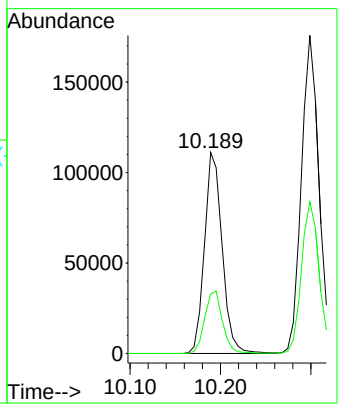





#67
Ethyl Benzene
Concen: 19.217 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 91 Resp: 151105

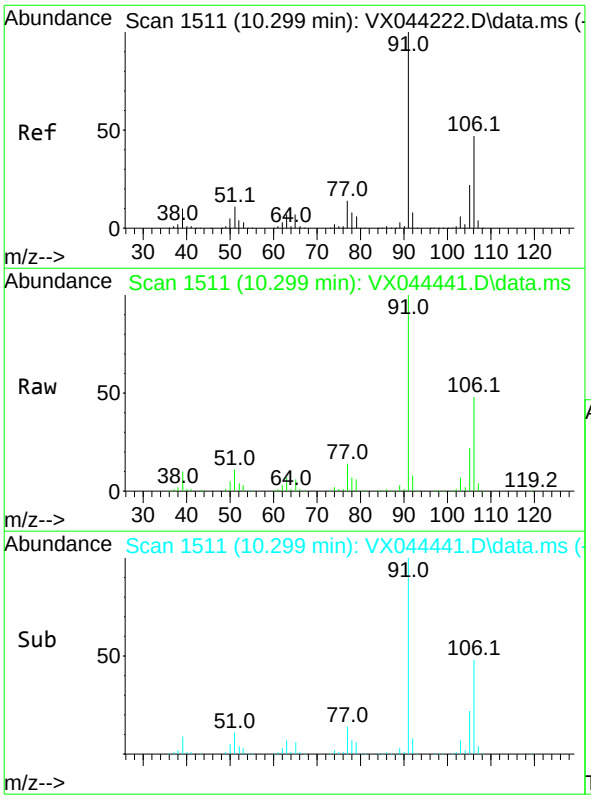
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

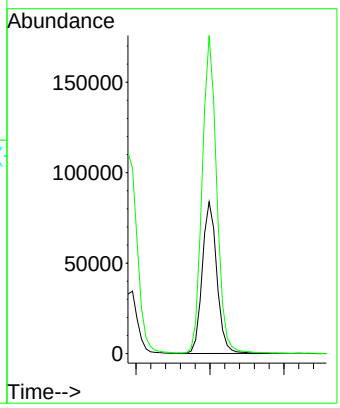
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

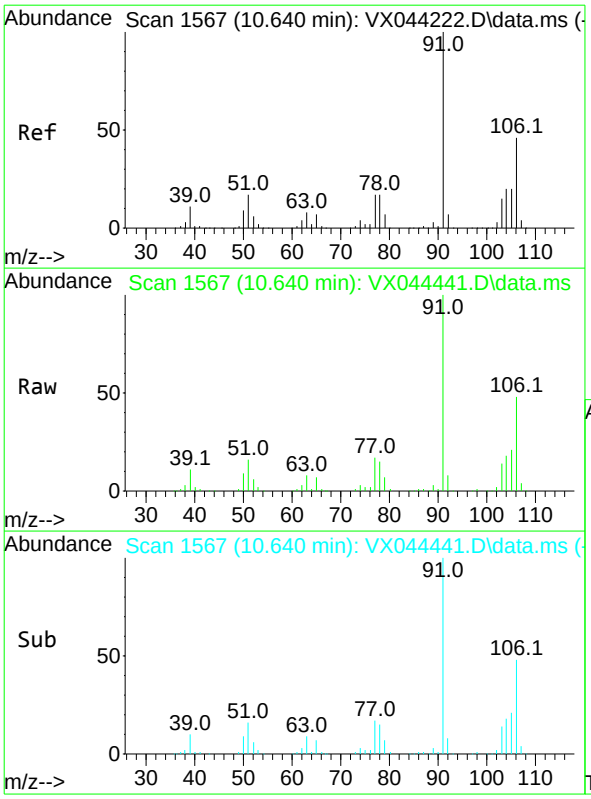



#68
m/p-Xylenes
Concen: 39.825 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:106 Resp: 114910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 170.2 | 255.2 |

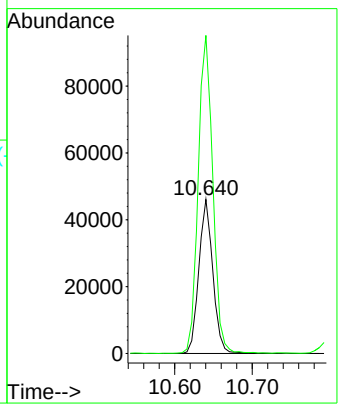





#69
o-Xylene
Concen: 19.797 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:106 Resp: 57794

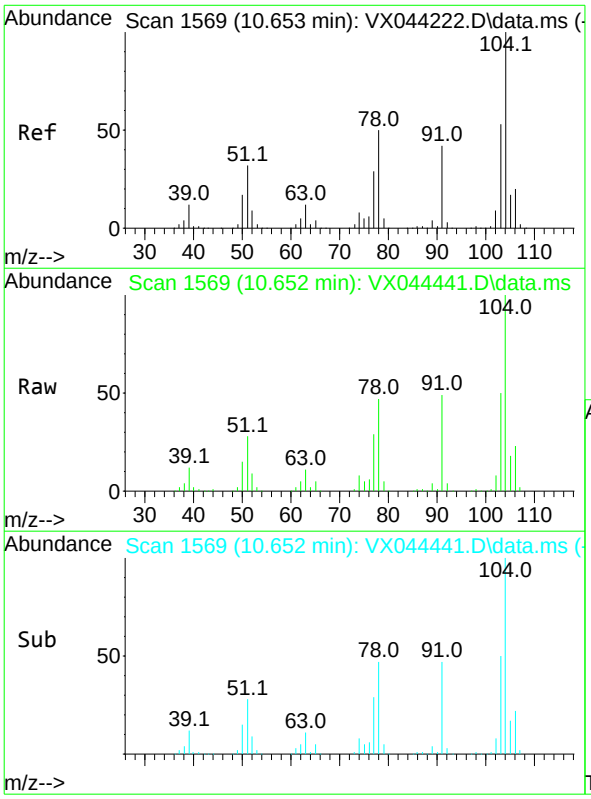
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.0 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

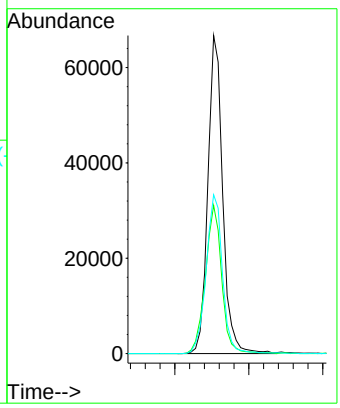
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

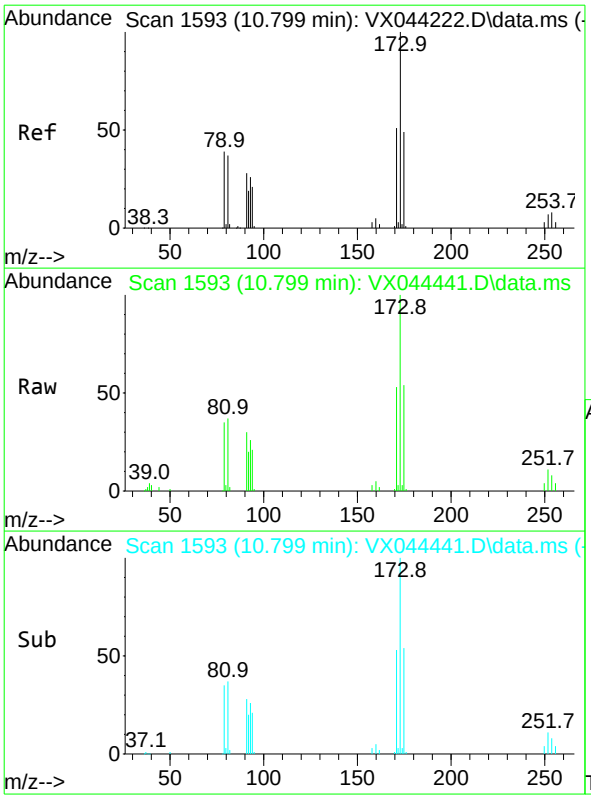



#70
Styrene
Concen: 19.825 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:104 Resp: 92784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.2 | 44.6 | 67.0 |
| 103 | 55.0 | 45.4 | 68.0 |

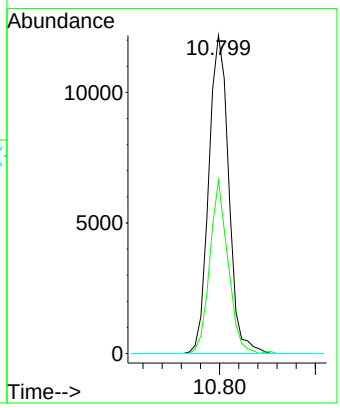





#71
Bromoform
Concen: 19.275 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:173 Resp: 17659

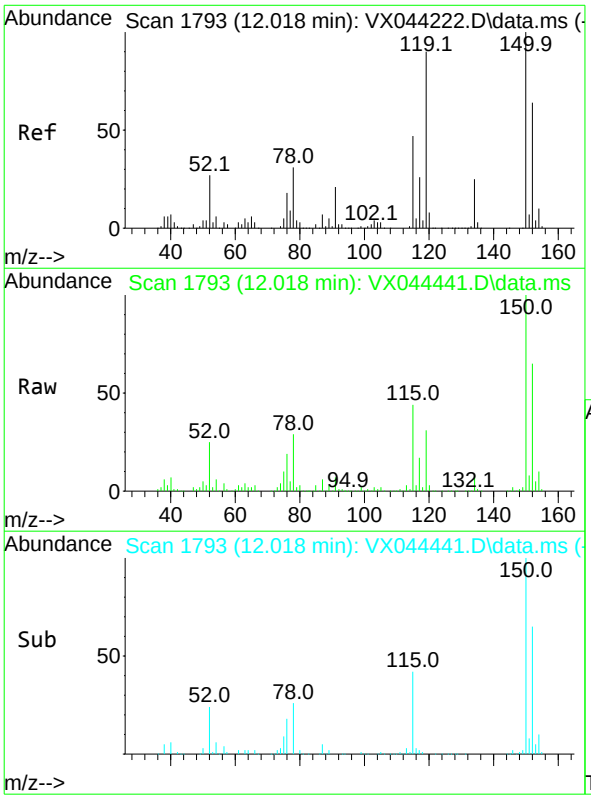
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.7 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

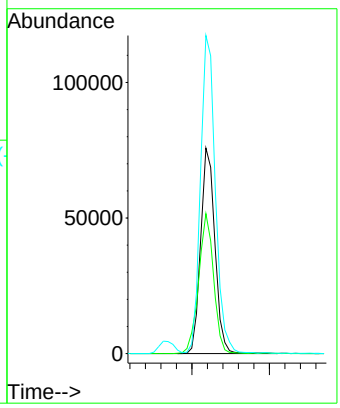
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

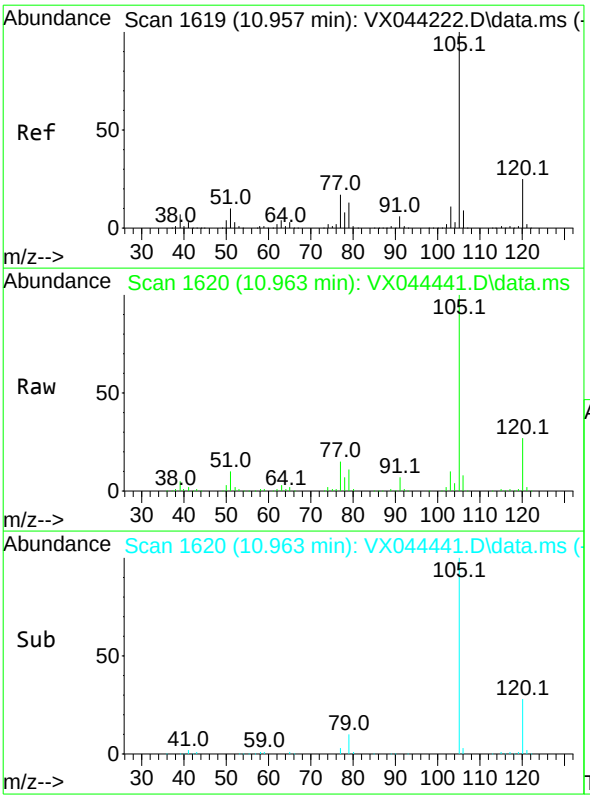



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:152 Resp: 96885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.2 | 44.5 | 133.3 |
| 150 | 160.7 | 0.0 | 353.8 |

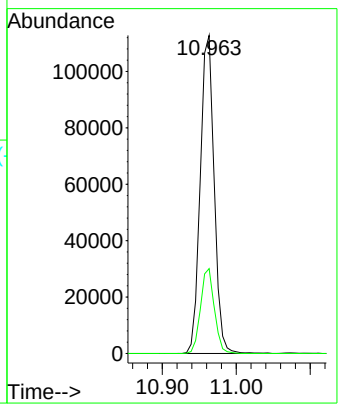





#73
Isopropylbenzene
Concen: 19.872 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:105 Resp: 147393

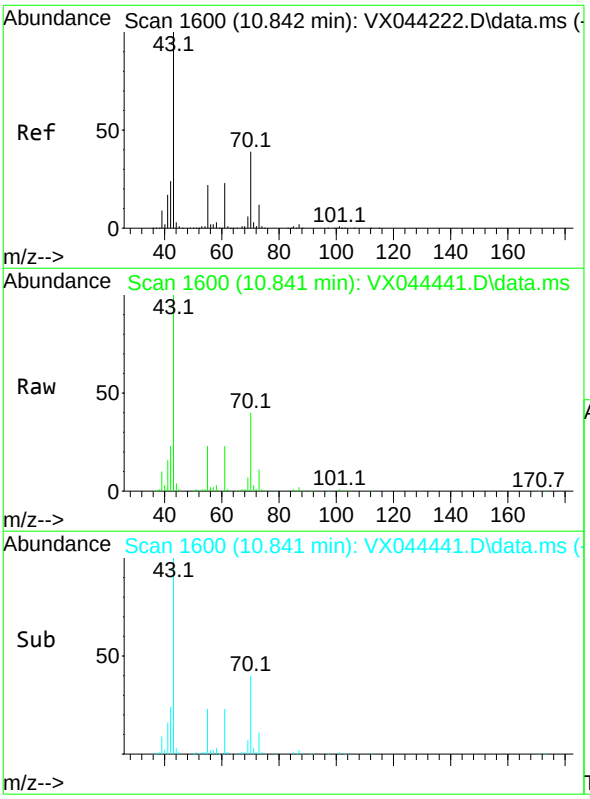
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

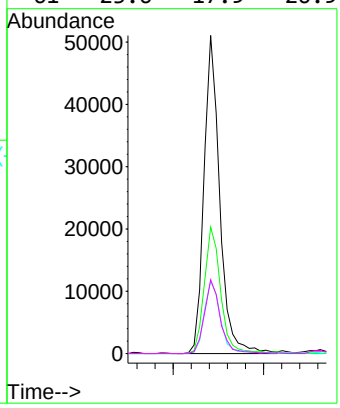
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

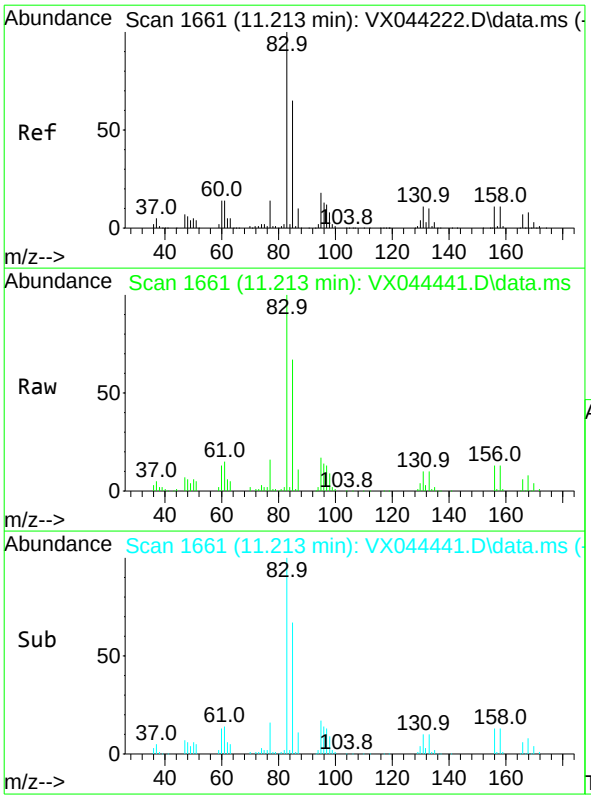



#74
N-amyl acetate
Concen: 18.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 43 Resp: 61829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.5 | 31.9 | 47.9 |
| 55 | 23.7 | 17.9 | 26.9 |
| 61 | 23.6 | 17.9 | 26.9 |

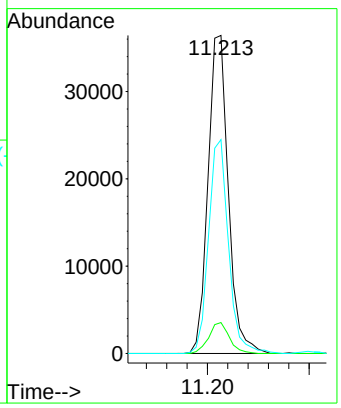





#75
1,1,2,2-Tetrachloroethane
Concen: 19.570 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 83 Resp: 50416

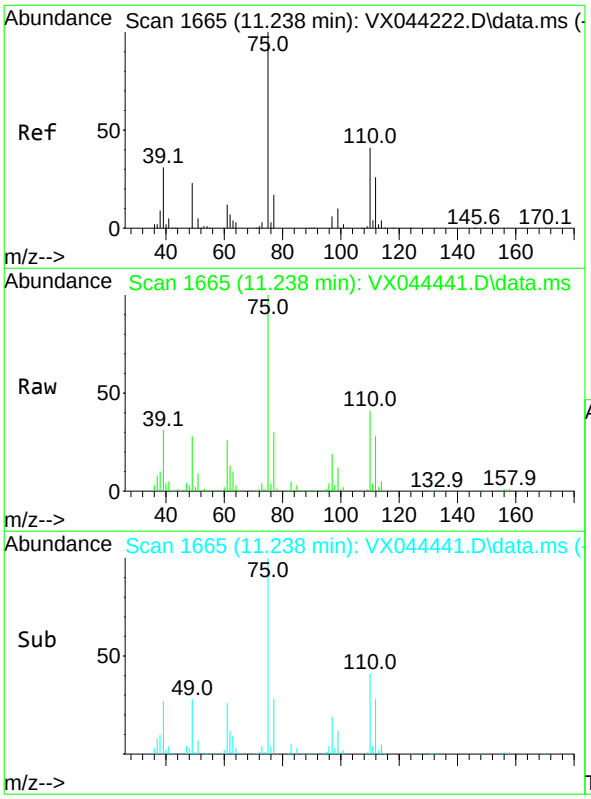
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 65.9 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

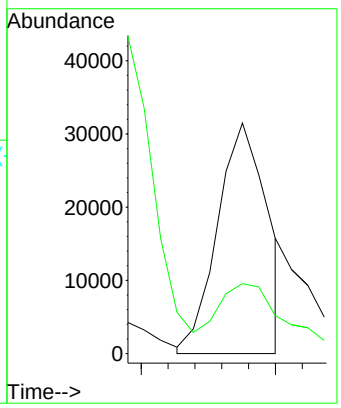
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

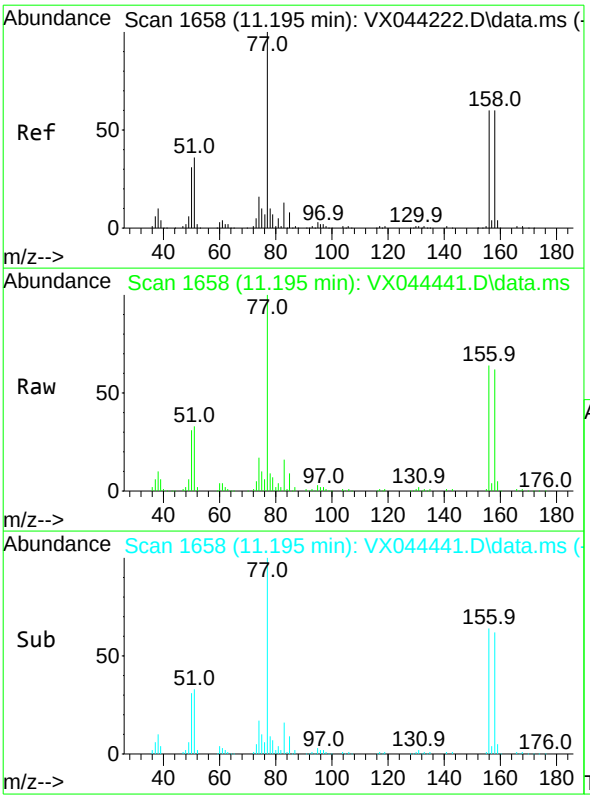



#76
1,2,3-Trichloropropane
Concen: 18.784 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 40633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.0 | 20.9 | 62.7 |

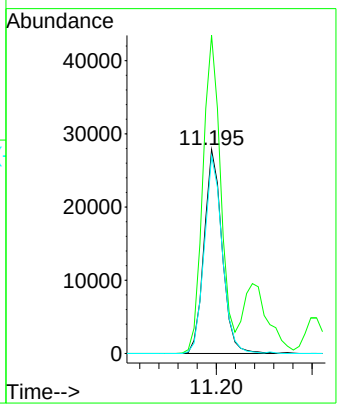





#77
Bromobenzene
Concen: 20.145 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:156 Resp: 36233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.2 | 82.6 | 247.8 |
| 158 | 96.9 | 48.8 | 146.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

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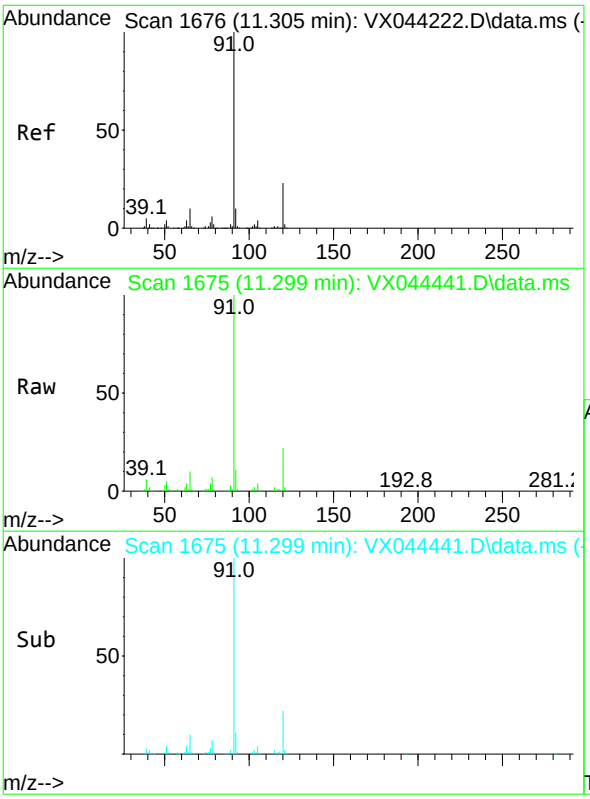
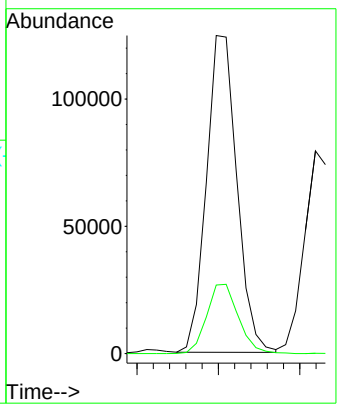
Supervised By :Mahesh Dadoda 12/24/2024

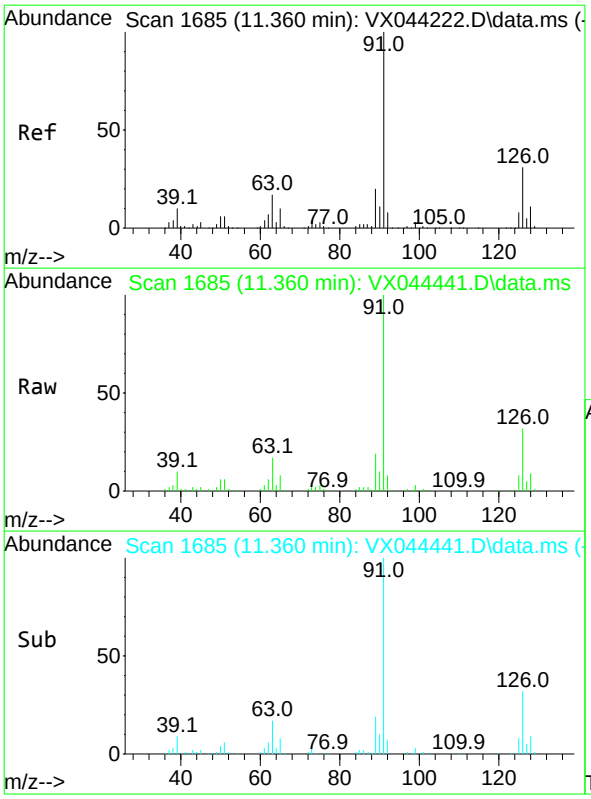



#78
n-propylbenzene
Concen: 19.765 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 91 Resp: 162028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.8 | 11.0 | 33.0 |

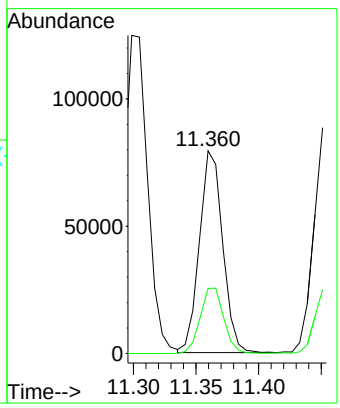





#79
2-Chlorotoluene
Concen: 19.279 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 91 Resp: 102209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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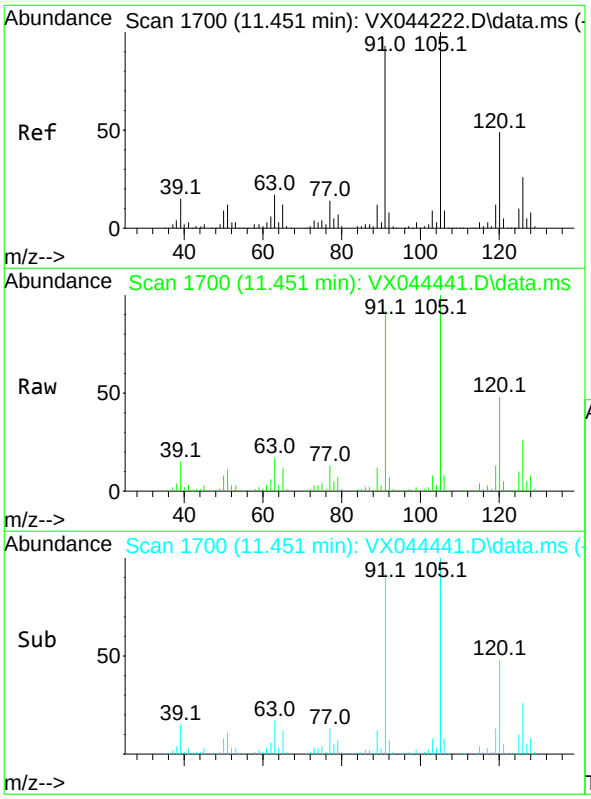
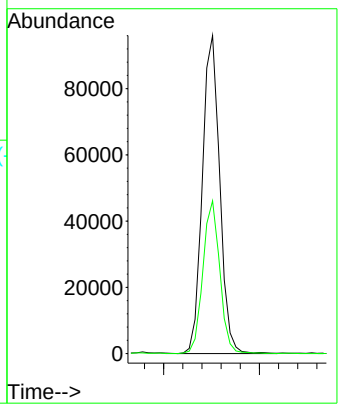
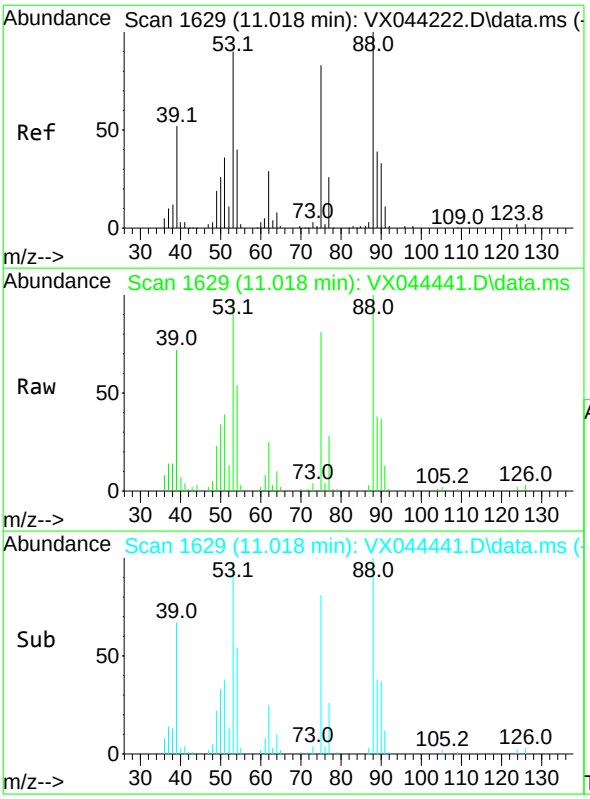



#80
1,3,5-Trimethylbenzene
Concen: 19.709 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:105 Resp: 121225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 18.609 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 11072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 129.5 | 93.6 | 140.4 |
| 89 | 48.5 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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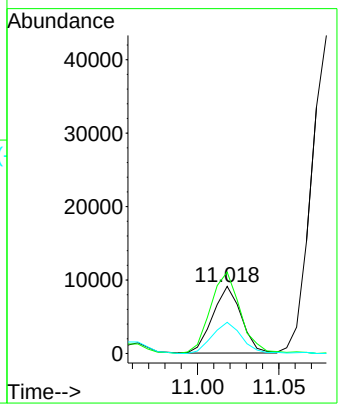
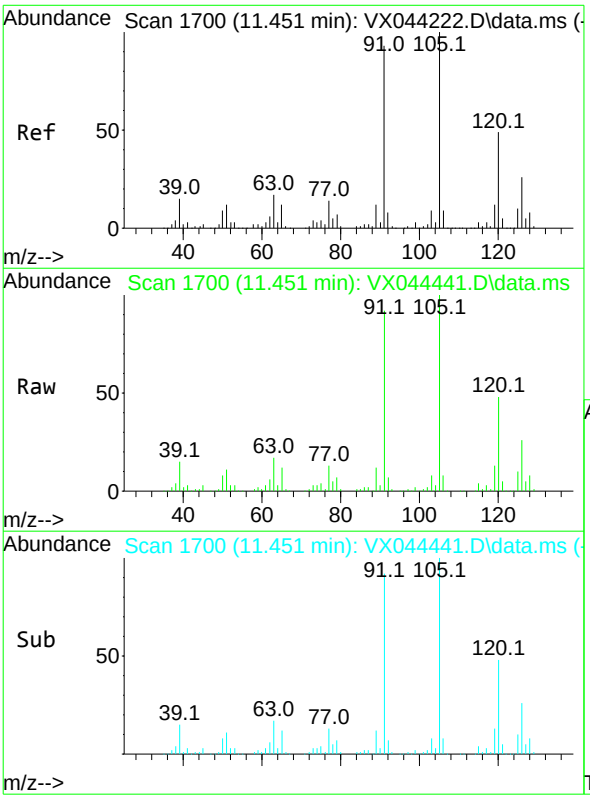
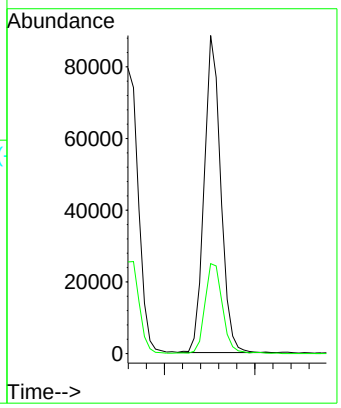


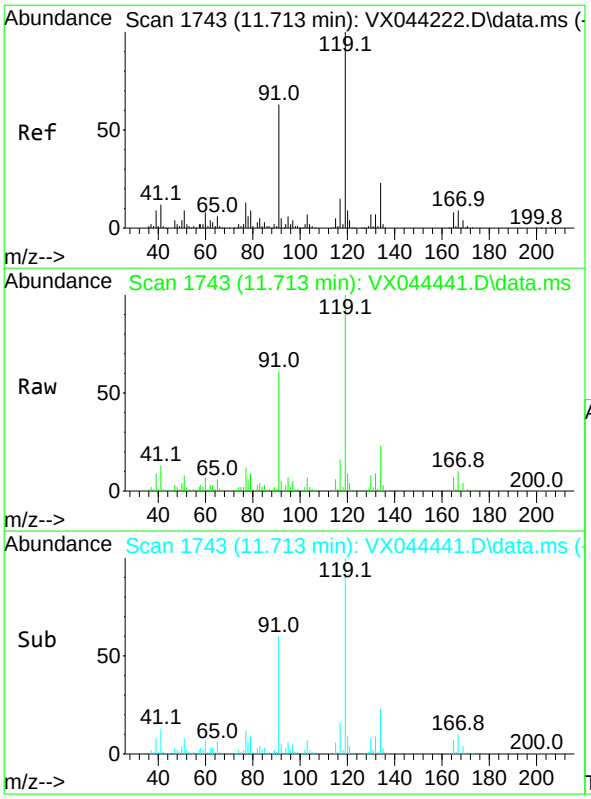




#82
4-Chlorotoluene
Concen: 19.122 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 91 Resp: 112263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.4 | 14.5 | 43.5 |

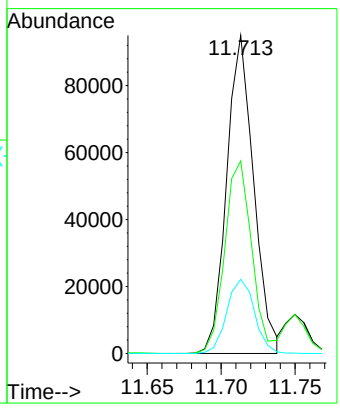





#83
tert-Butylbenzene
Concen: 19.827 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:119 Resp: 120518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.1 | 30.9 | 92.5 |
| 134 | 23.9 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
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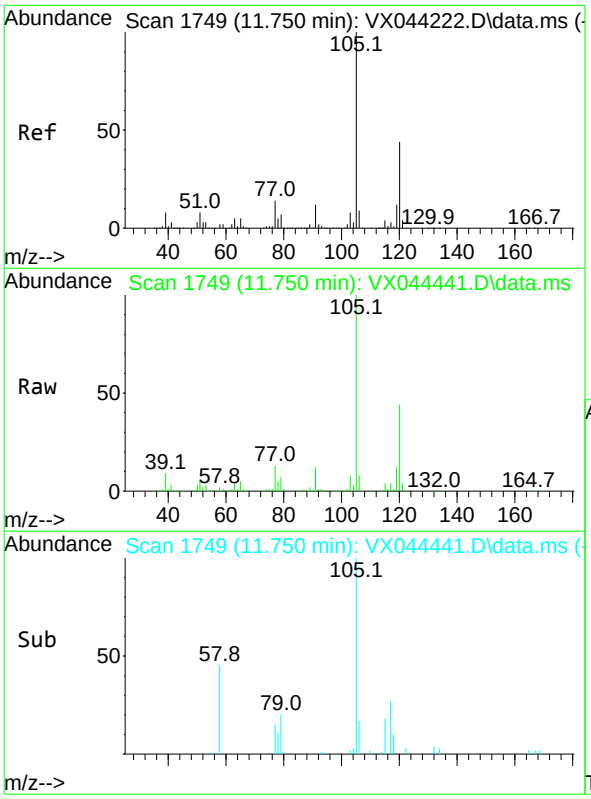
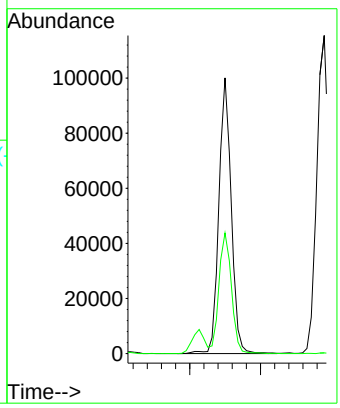
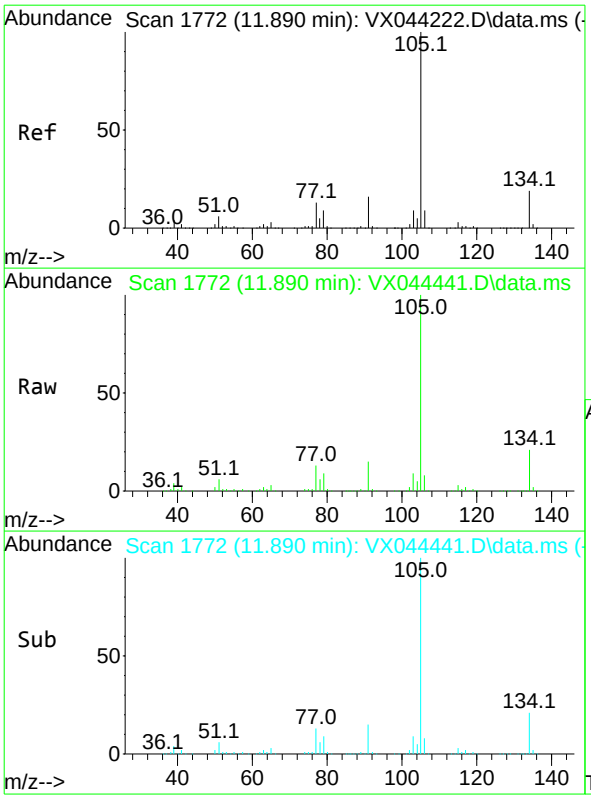



#84
1,2,4-Trimethylbenzene
Concen: 20.085 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:105 Resp: 121322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 21.7 | 65.1 |

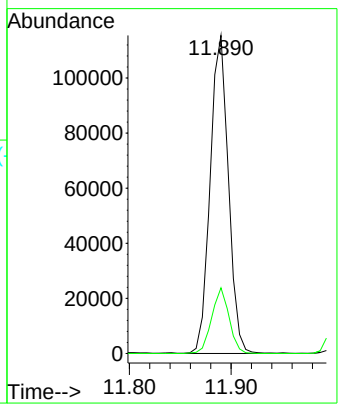





#85
sec-Butylbenzene
Concen: 19.477 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:105 Resp: 143732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
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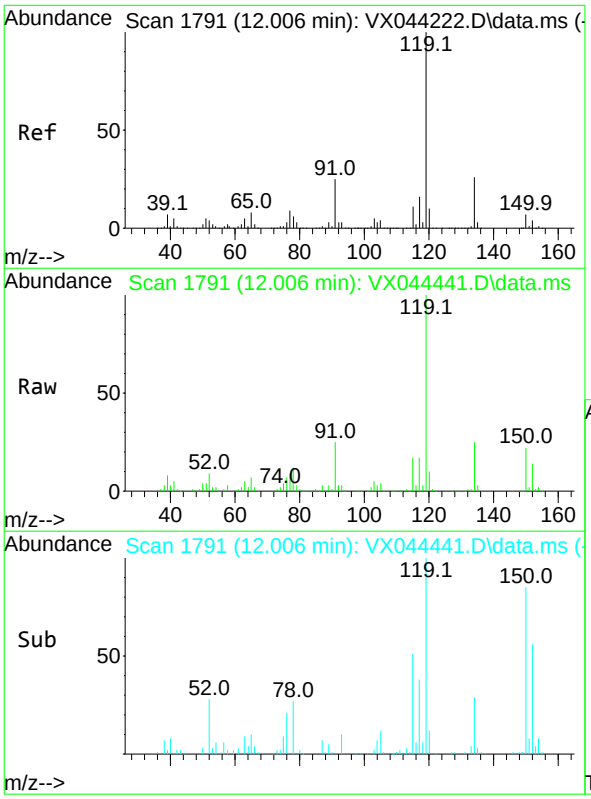
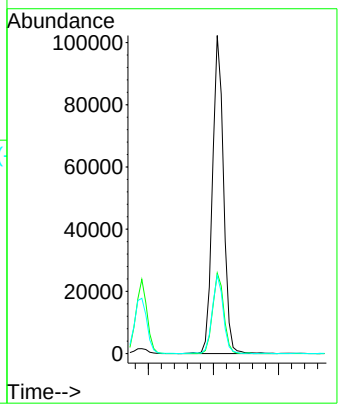
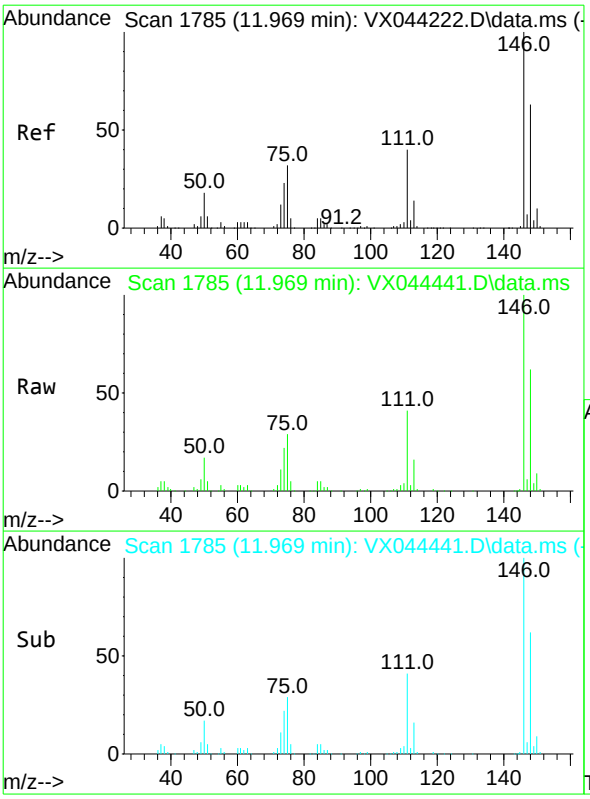



#86
p-Isopropyltoluene
Concen: 19.596 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:119 Resp: 120356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.5 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |

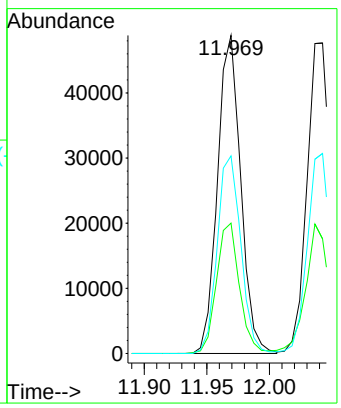





#87
1,3-Dichlorobenzene
Concen: 20.058 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:146 Resp: 63016

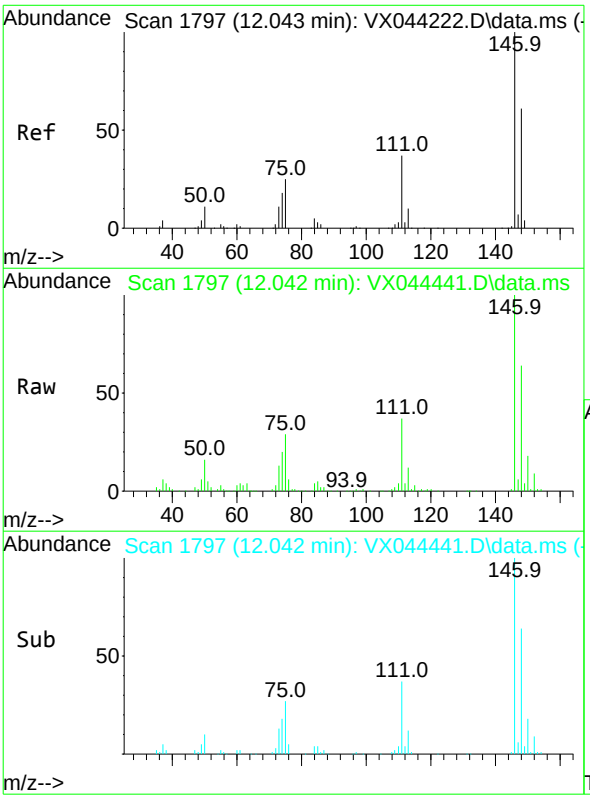
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 21.4 | 64.2 |
| 148 | 63.0 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

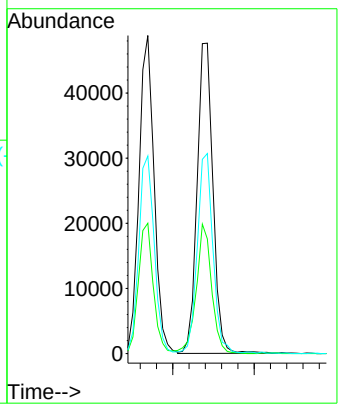
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

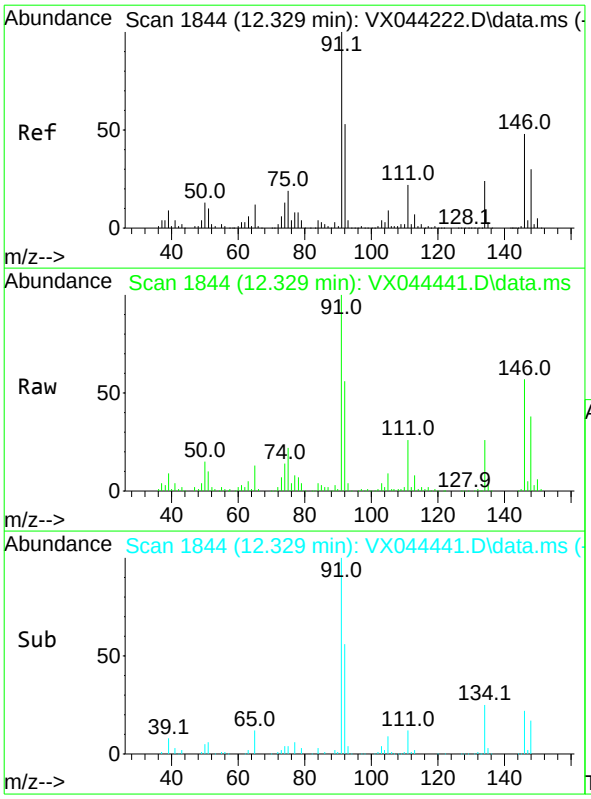



#88
1,4-Dichlorobenzene
Concen: 19.954 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:146 Resp: 64444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 21.0 | 63.0 |
| 148 | 63.0 | 32.3 | 96.8 |

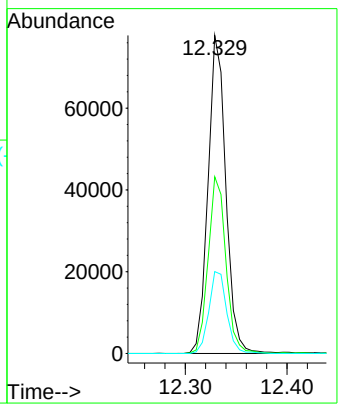





#89
n-Butylbenzene
Concen: 18.279 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 91 Resp: 94402

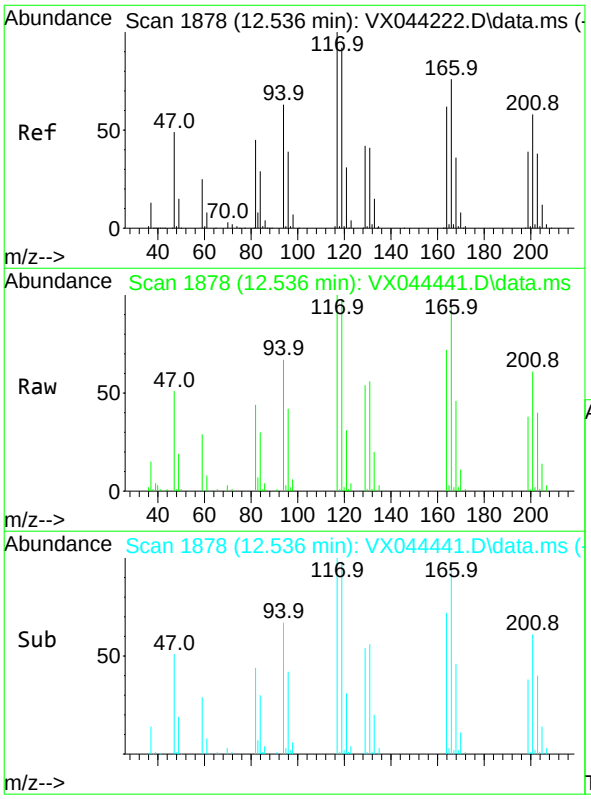
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.5 | 26.6 | 79.7 |
| 134 | 25.9 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

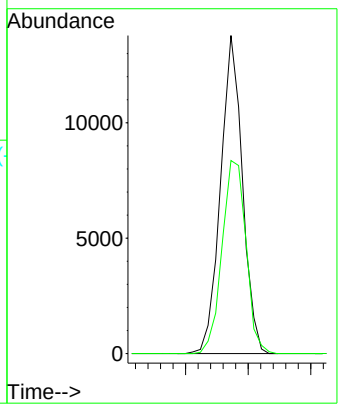
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

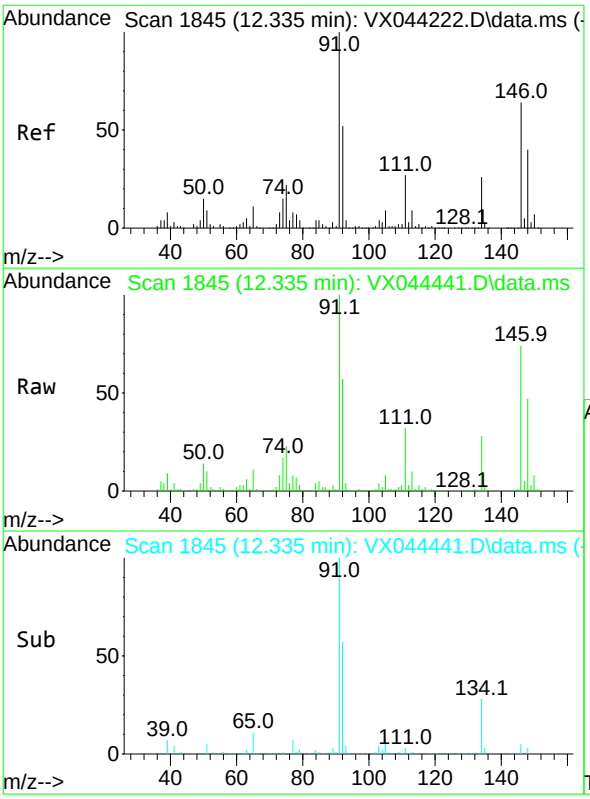



#90
Hexachloroethane
Concen: 18.640 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:117 Resp: 16712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.5 | 31.4 | 94.2 |

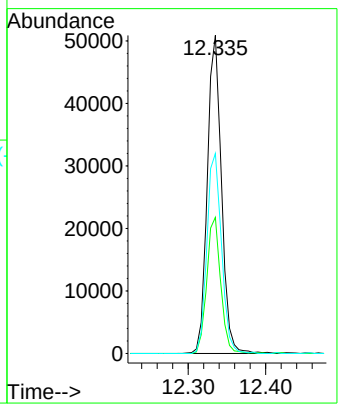





#91
1,2-Dichlorobenzene
Concen: 19.798 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:146 Resp: 64584

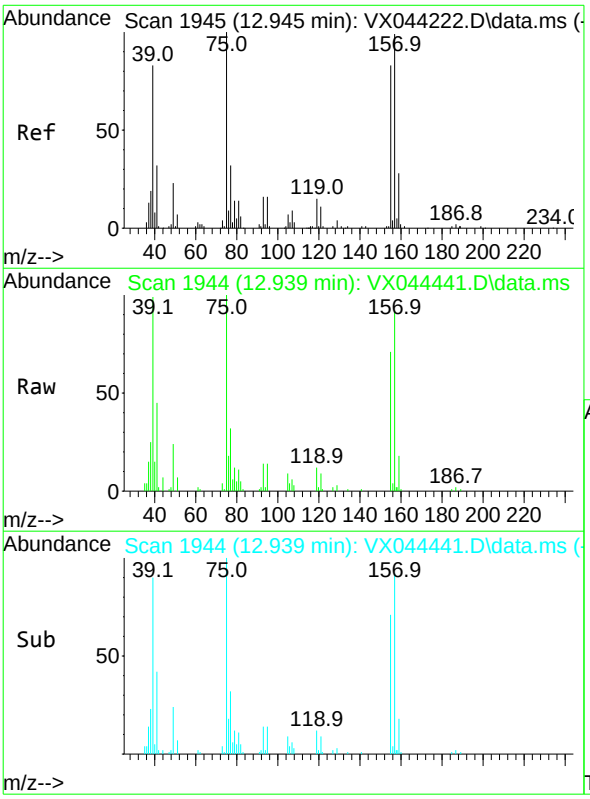
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.4 | 64.3 |
| 148 | 64.8 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

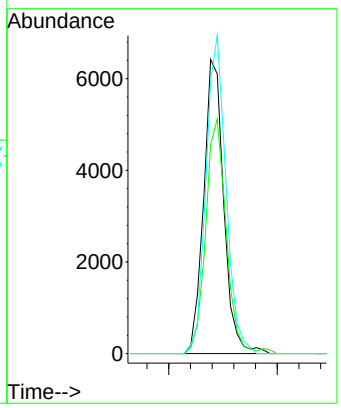
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

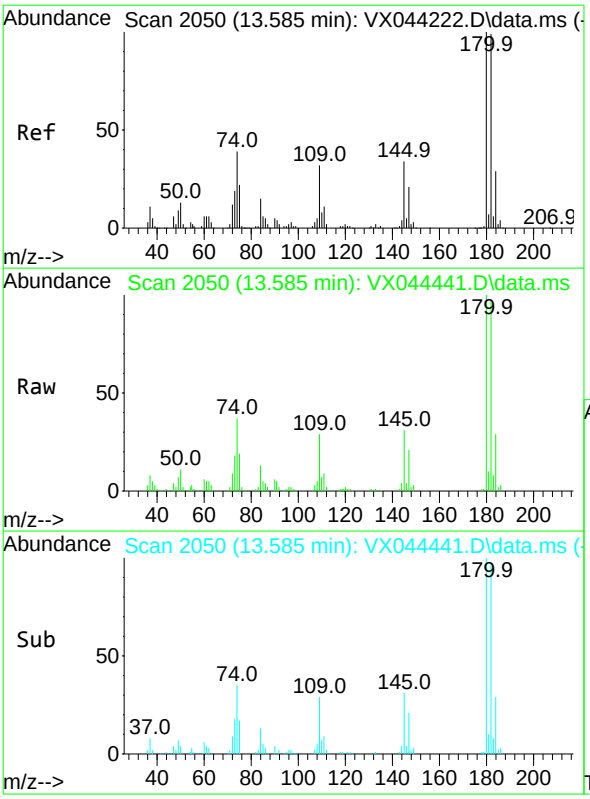



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.523 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 8263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.6 | 38.1 | 114.3 |
| 157 | 107.5 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 19.470 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

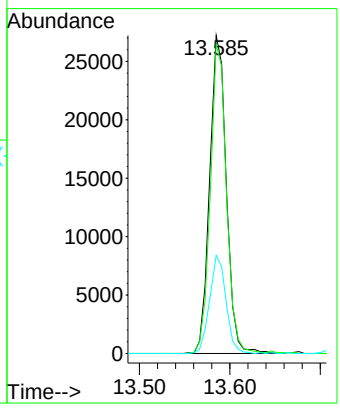
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

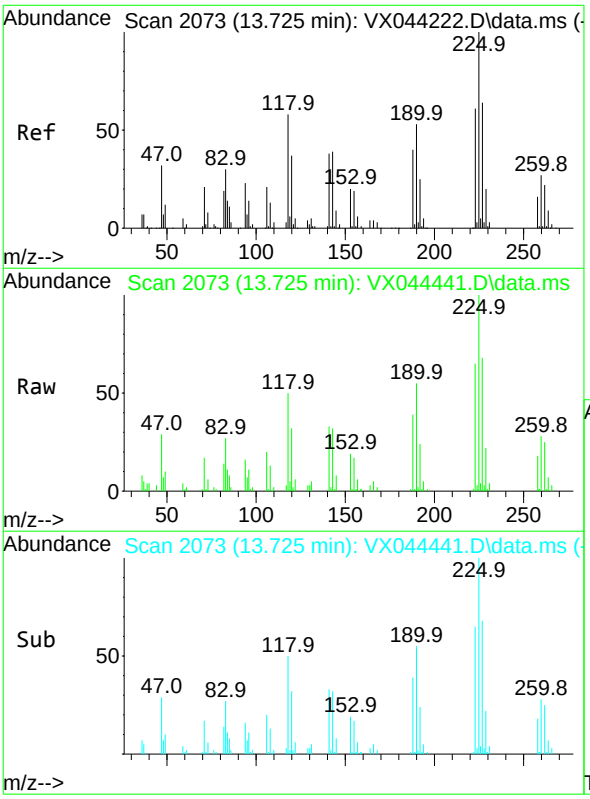
Tgt Ion:180 Resp: 34820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 48.0 | 144.2 |
| 145 | 30.4 | 16.6 | 49.7 |

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

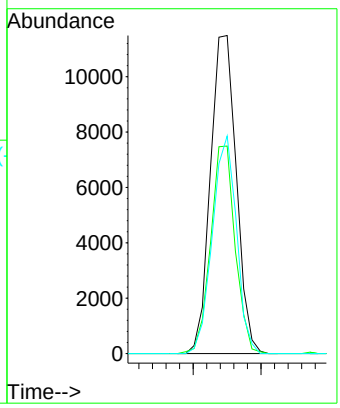


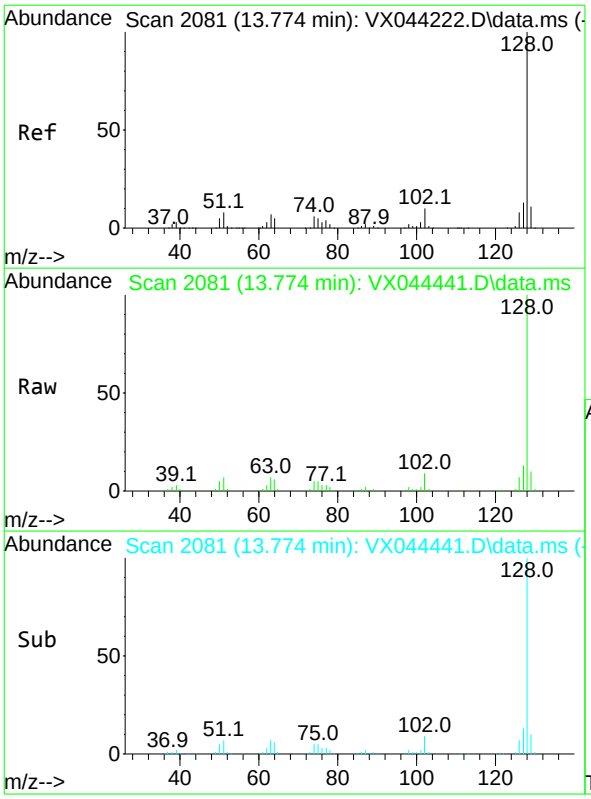




#94
Hexachlorobutadiene
Concen: 21.174 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:225 Resp: 15232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 30.8 | 92.4 |
| 227 | 63.6 | 32.1 | 96.3 |

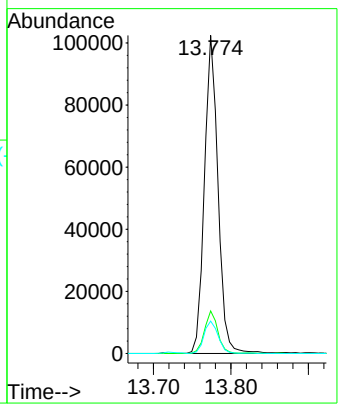





#95
Naphthalene
Concen: 17.830 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:128 Resp: 124472

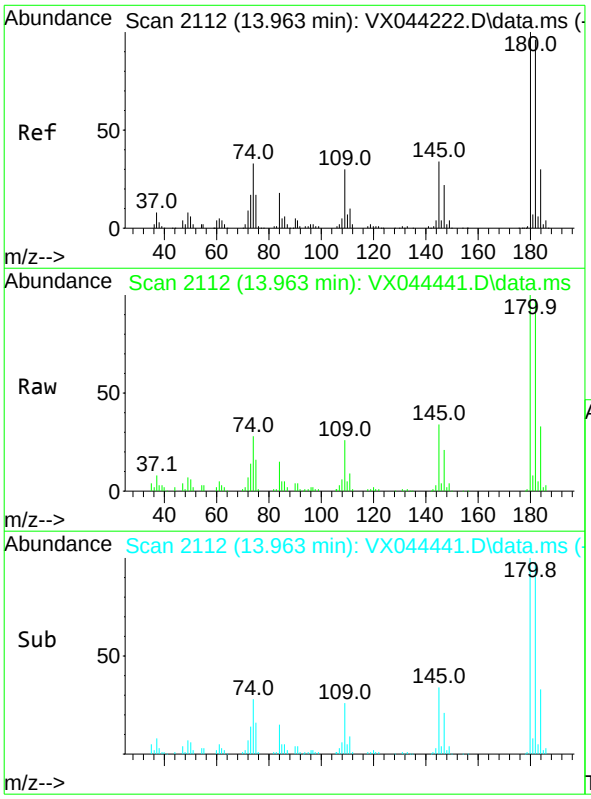
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.7 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

**Manual Integrations**
**APPROVED**

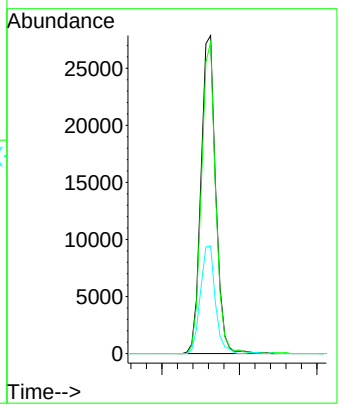
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024




#96
1,2,3-Trichlorobenzene
Concen: 19.378 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:180 Resp: 36757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 48.0 | 144.0 |
| 145 | 34.2 | 17.7 | 53.1 |



Raw Data: **VX044484.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1223WBS03 | SDG No.: | P5317 |
| Lab Sample ID: | VX1223WBS03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044484.D | 1 | | 12/23/24 16:46 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 16.9 | | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 17.1 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 17.2 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 16.6 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 17.1 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 13.8 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 17.5 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.2 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 65.8 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 17.5 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 16.3 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 15.0 | | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.0 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 17.1 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 17.3 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 17.0 | | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 69.6 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.4 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 17.8 | | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 18.7 | | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 16.8 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 17.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.3 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 19.3 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 18.6 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 20.8 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 18.7 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 18.5 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 79.0 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.7 | | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044484.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1223WBS03 | SDG No.: | P5317 |
| Lab Sample ID: | VX1223WBS03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044484.D | 1 | | 12/23/24 16:46 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 18.3 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.5 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 19.4 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 78.2 | | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 18.3 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 19.5 | | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 21.5 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 19.9 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 19.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 40.6 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 19.5 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 19.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 19.2 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 19.1 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.0 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.2 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 19.7 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 19.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 14.7 | | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.5 | | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20.7 | | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 43.7 | | 81 - 118 | | 87% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.0 | | 80 - 119 | | 104% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.4 | | 89 - 112 | | 105% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.1 | | 85 - 114 | | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 136000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 231000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 198000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 93700 | 12.018 | | | | |

Raw Data: **VX044484.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1223WBS03 | SDG No.: | P5317 |
| Lab Sample ID: | VX1223WBS03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044484.D | 1 | | 12/23/24 16:46 | VX122324 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044484.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044484.D
Acq On : 23 Dec 2024 16:46
Operator : JC/MD
Sample : VX1223WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 23 22:12:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 136426 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 230675 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 197773 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 93712 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 104522 | 43.697 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 87.400% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 83146 | 52.043 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.080% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 282252 | 52.366 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 104.740% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 98037 | 52.054 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 104.100% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 35681 | 16.914 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 34450 | 17.078 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 36105 | 17.180 | ug/l | 95 |
| 5) Bromomethane | 1.593 | 94 | 24727 | 16.585 | ug/l | 95 |
| 6) Chloroethane | 1.666 | 64 | 22413 | 17.127 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 56884 | 13.826 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 20539 | 14.625 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 29167 | 17.519 | ug/l | 94 |
| 10) Methyl Iodide | 2.447 | 142 | 40160 | 18.303 | ug/l | 95 |
| 11) Tert butyl alcohol | 3.001 | 59 | 27656 | 82.037 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 27828 | 18.198 | ug/l | 93 |
| 13) Acrolein | 2.233 | 56 | 34567 | 70.835 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 43269 | 16.988 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 72713 | 77.865 | ug/l | 96 |
| 16) Acetone | 2.380 | 43 | 64193 | 65.827 | ug/l | 96 |
| 17) Carbon Disulfide | 2.501 | 76 | 50832 | 17.488 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 37683 | 14.987 | ug/l | 95 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 97412 | 16.324 | ug/l | 96 |
| 20) Methylene Chloride | 2.788 | 84 | 32960 | 17.995 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 27761 | 17.082 | ug/l | 96 |
| 22) Diisopropyl ether | 3.757 | 45 | 96519 | 16.828 | ug/l # | 83 |
| 23) Vinyl Acetate | 3.715 | 43 | 396777 | 85.091 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 55371 | 17.319 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 96544 | 69.639 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 47079 | 18.126 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 36799 | 17.829 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 29299 | 18.689 | ug/l | 92 |
| 29) Tetrahydrofuran | 5.007 | 42 | 62253 | 69.958 | ug/l | 98 |
| 30) Chloroform | 5.080 | 83 | 60467 | 16.834 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 43786 | 16.960 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 52091 | 17.470 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 37790 | 18.299 | ug/l | 98 |
| 37) Ethyl Acetate | 4.715 | 43 | 39294 | 15.393 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 40813 | 18.356 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 45190 | 18.304 | ug/l | 95 |
| 40) Benzene | 6.031 | 78 | 121112 | 19.316 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044484.D
Acq On : 23 Dec 2024 16:46
Operator : JC/MD
Sample : VX1223WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 23 22:12:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 20789 | 15.336 ug/l | 94 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 48045 | 18.601 ug/l | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 65736 | 16.475 ug/l | 98 |
| 44) Trichloroethene | 7.123 | 130 | 32559 | 20.823 ug/l | 92 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 30009 | 18.733 ug/l | 98 |
| 46) Dibromomethane | 7.580 | 93 | 22954 | 18.470 ug/l | 92 |
| 47) Bromodichloromethane | 7.818 | 83 | 39600 | 18.450 ug/l | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 30544 | 15.770 ug/l | 97 |
| 49) 1,4-Dioxane | 7.665 | 88 | 8523 | 265.414 ug/l # | 83 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 202796 | 79.048 ug/l | 98 |
| 52) Toluene | 8.714 | 92 | 77555 | 19.696 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 39372 | 18.305 ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 45608 | 19.516 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 30421 | 19.448 ug/l | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 43727 | 17.707 ug/l | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 50156 | 18.421 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 112759 | 90.532 ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 145212 | 78.199 ug/l | 98 |
| 60) Dibromochloromethane | 9.519 | 129 | 28097 | 18.262 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 31023 | 19.484 ug/l | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 28163 | 21.455 ug/l | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 84278 | 19.887 ug/l | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 28171 | 20.684 ug/l | 96 |
| 67) Ethyl Benzene | 10.195 | 91 | 143285 | 19.568 ug/l | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 109170 | 40.631 ug/l | 93 |
| 69) o-Xylene | 10.640 | 106 | 53058 | 19.517 ug/l | 96 |
| 70) Styrene | 10.652 | 104 | 85331 | 19.580 ug/l | 98 |
| 71) Bromoform | 10.799 | 173 | 16410 | 19.239 ug/l # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 137153 | 19.118 ug/l | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 53387 | 16.102 ug/l | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 44755 | 17.961 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 35038m | 16.746 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 34470 | 19.814 ug/l | 97 |
| 78) n-propylbenzene | 11.299 | 91 | 150204 | 18.943 ug/l | 97 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 96001 | 18.721 ug/l | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 115427 | 19.402 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 9853 | 17.567 ug/l | 88 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 106582 | 18.769 ug/l | 96 |
| 83) tert-Butylbenzene | 11.713 | 119 | 114705 | 19.509 ug/l | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 115005 | 19.684 ug/l | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 137779 | 19.303 ug/l | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 117010 | 19.696 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 61238 | 20.152 ug/l | 97 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 61611 | 19.723 ug/l | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 94376 | 18.892 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 15991 | 18.440 ug/l | 86 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 61558 | 19.510 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 7109 | 14.697 ug/l | 86 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 35380 | 20.453 ug/l | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 15222 | 21.877 ug/l | 97 |
| 95) Naphthalene | 13.774 | 128 | 121575 | 18.005 ug/l | 98 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 37987 | 20.704 ug/l | 98 |

Sample Results: **VX044484.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044484.D
Acq On : 23 Dec 2024 16:46
Operator : JC/MD
Sample : VX1223WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 22:12:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

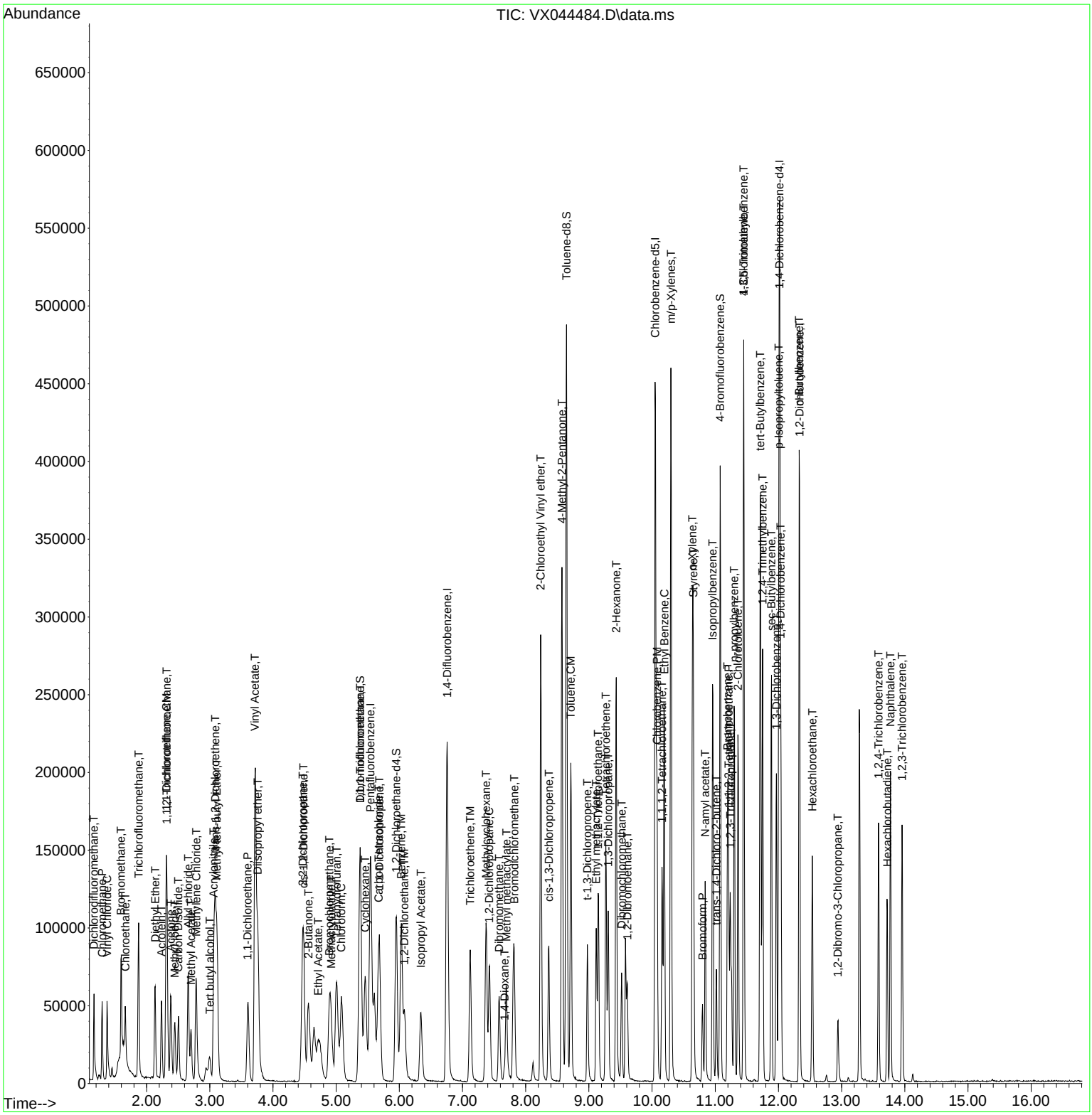
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044484.D
Acq On : 23 Dec 2024 16:46
Operator : JC/MD
Sample : VX1223WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

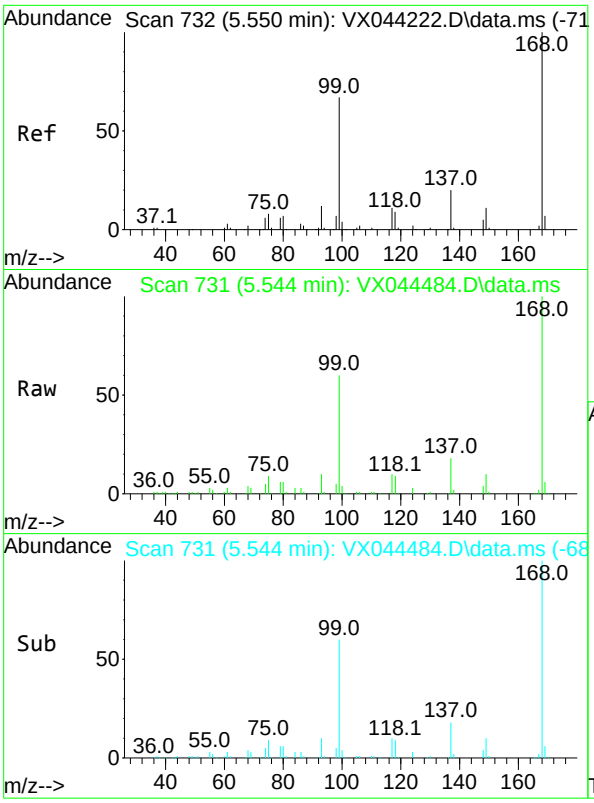
Quant Time: Dec 23 22:12:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

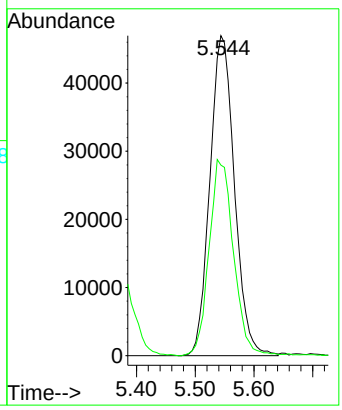





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:168 Resp: 13642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.6 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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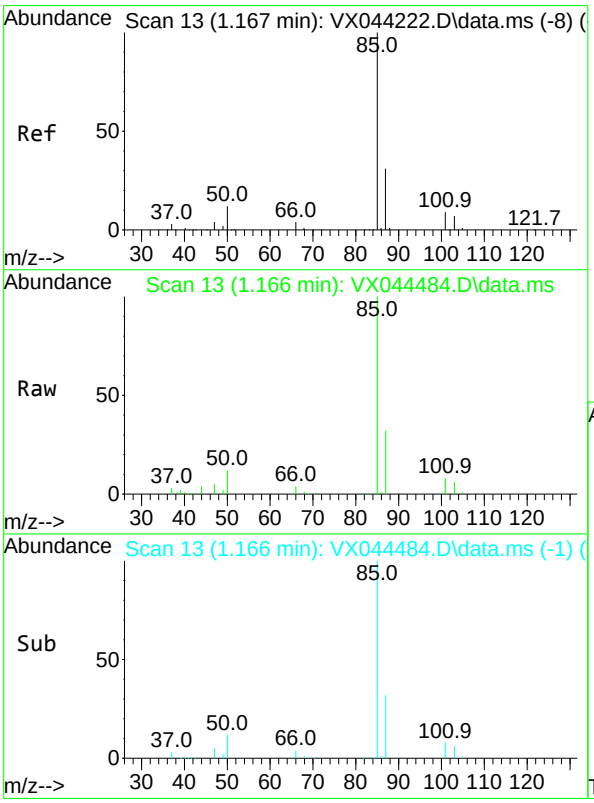
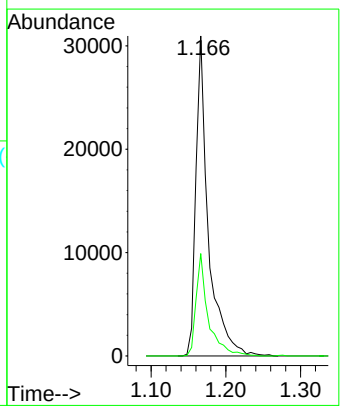
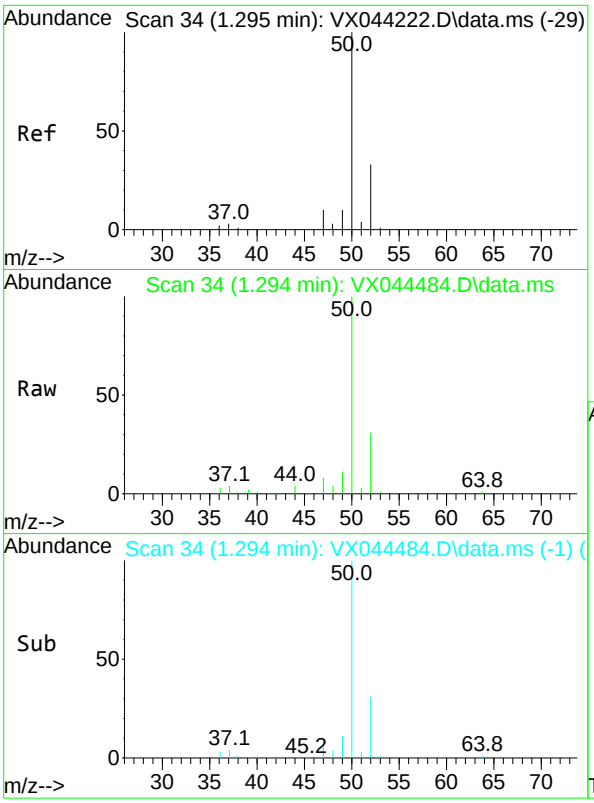



#2
Dichlorodifluoromethane
Concen: 16.914 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 85 Resp: 35681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 15.4 | 46.4 |

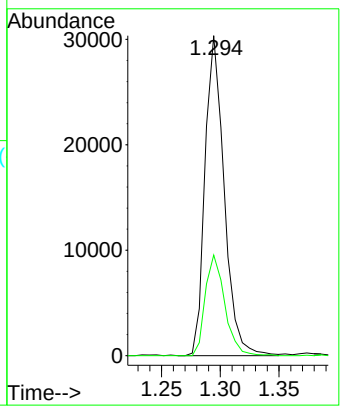





#3
Chloromethane
Concen: 17.078 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 50 Resp: 3445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.4 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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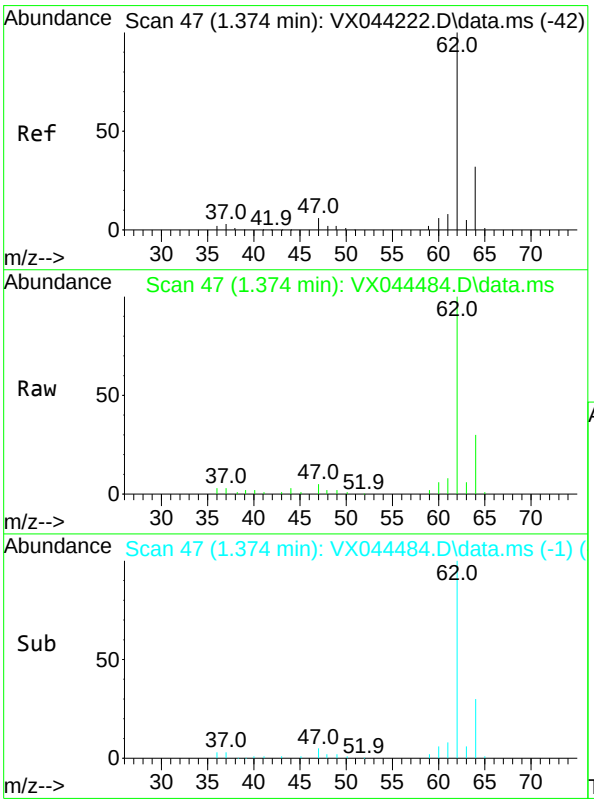
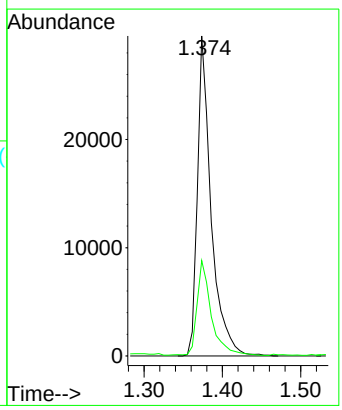
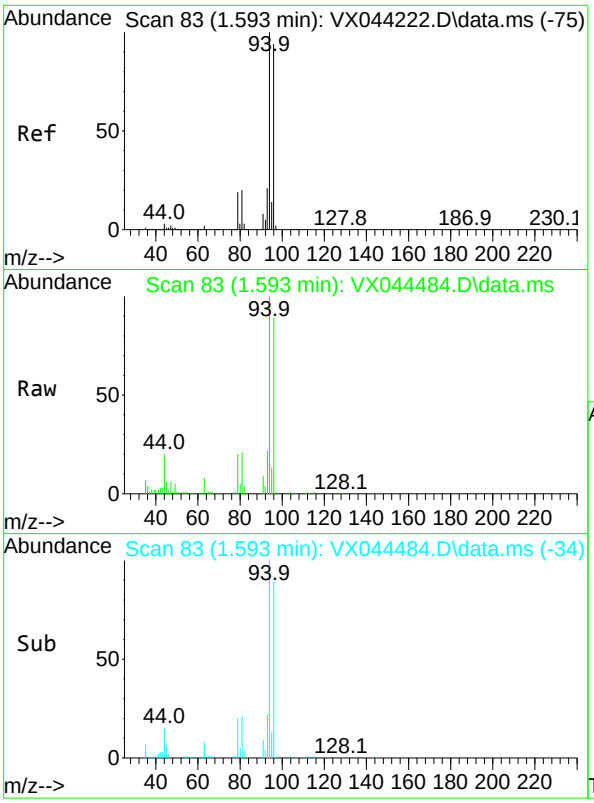



#4
Vinyl Chloride
Concen: 17.180 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 62 Resp: 36105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.4 | 25.7 | 38.5 |

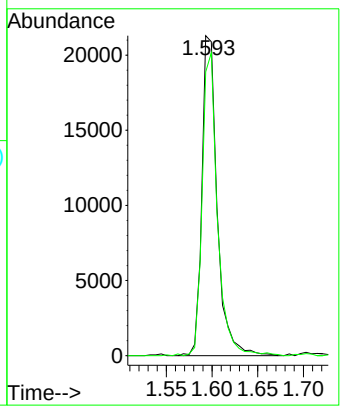





#5
Bromomethane
Concen: 16.585 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 94 Resp: 2472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 88.4 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

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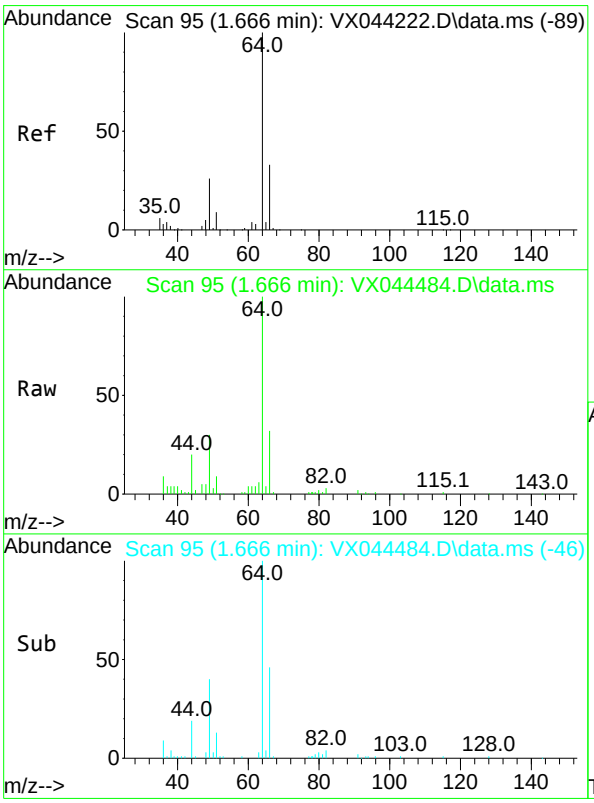
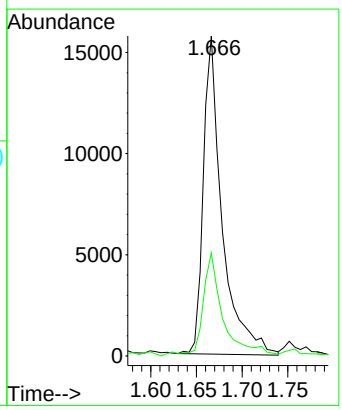
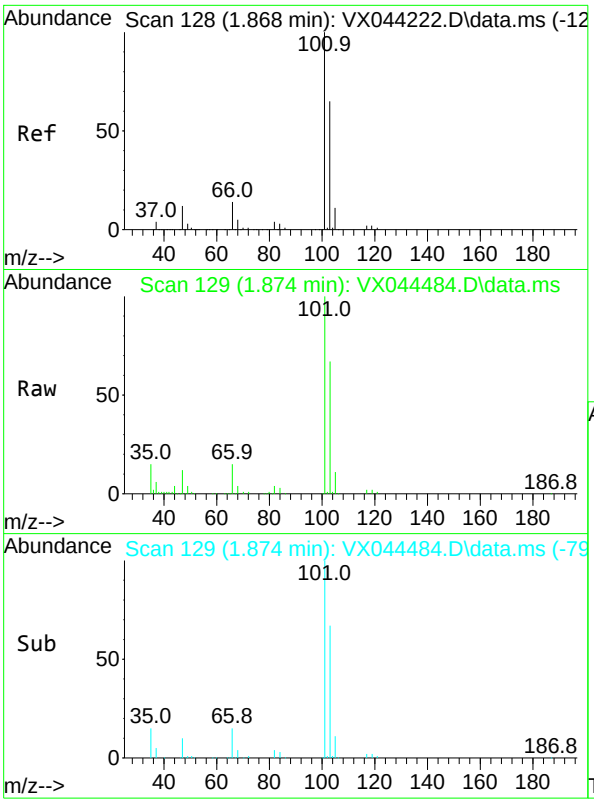



#6
Chloroethane
Concen: 17.127 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 64 Resp: 22413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 26.6 | 39.8 |

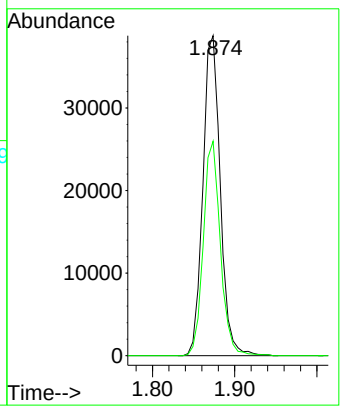





#7
Trichlorofluoromethane
Concen: 13.826 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:101 Resp: 5688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.0 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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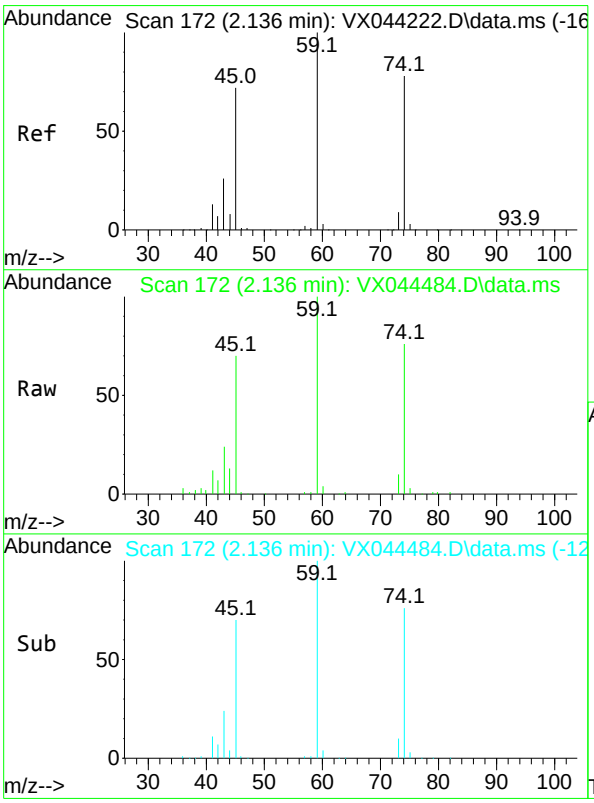
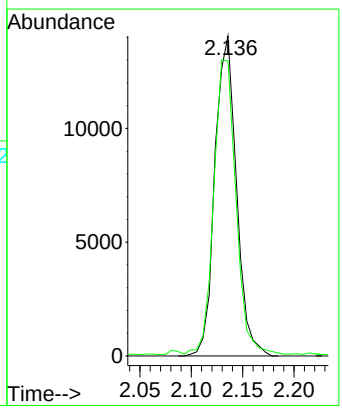
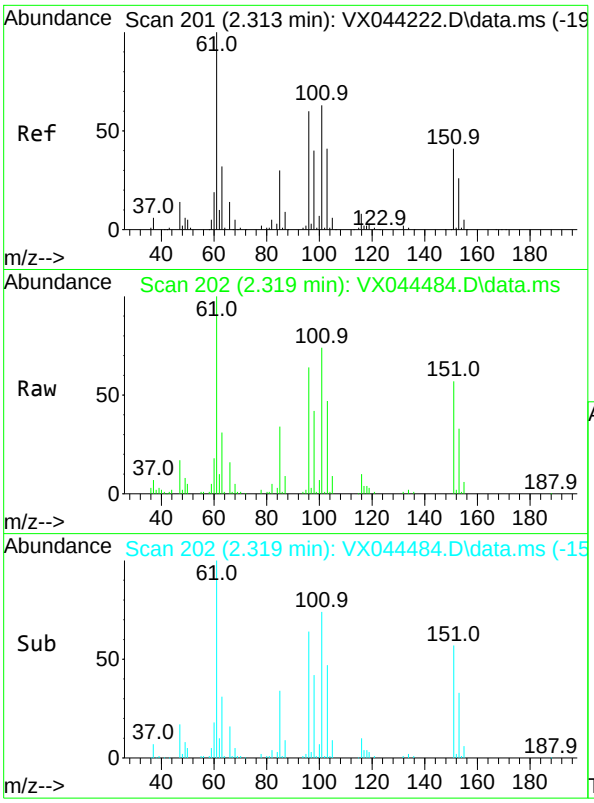



#8
Diethyl Ether
Concen: 14.625 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 74 Resp: 20539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 93.9 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.519 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

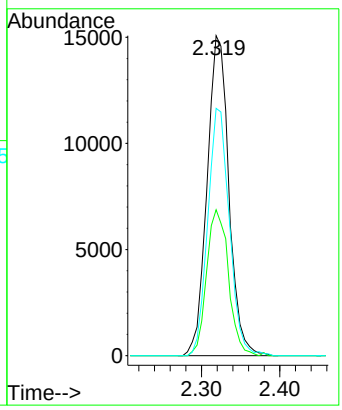
Tgt Ion:101 Resp: 2916

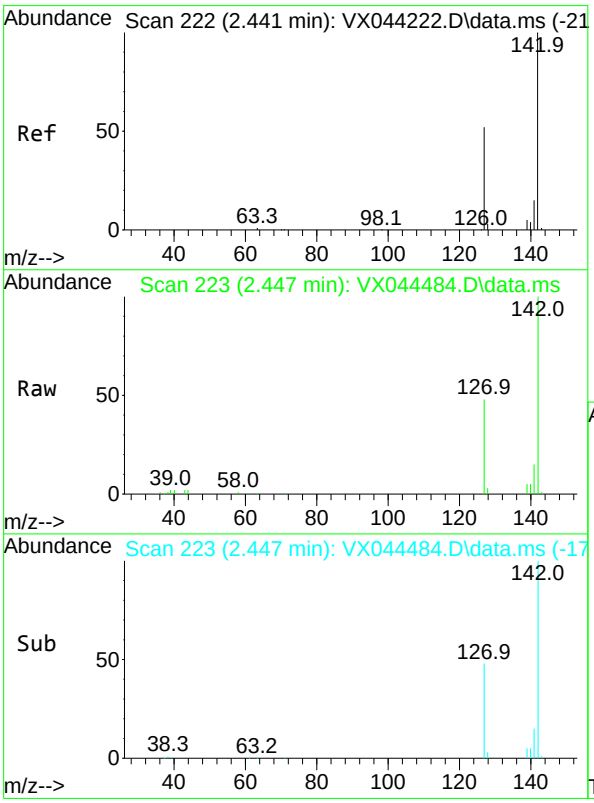
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 38.5 | 57.7 |
| 151 | 76.5 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

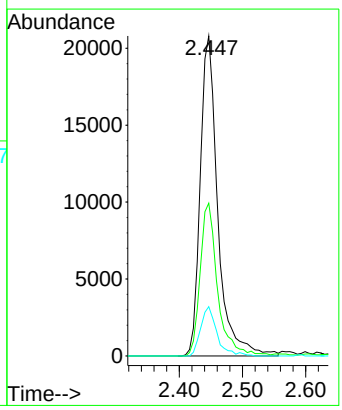


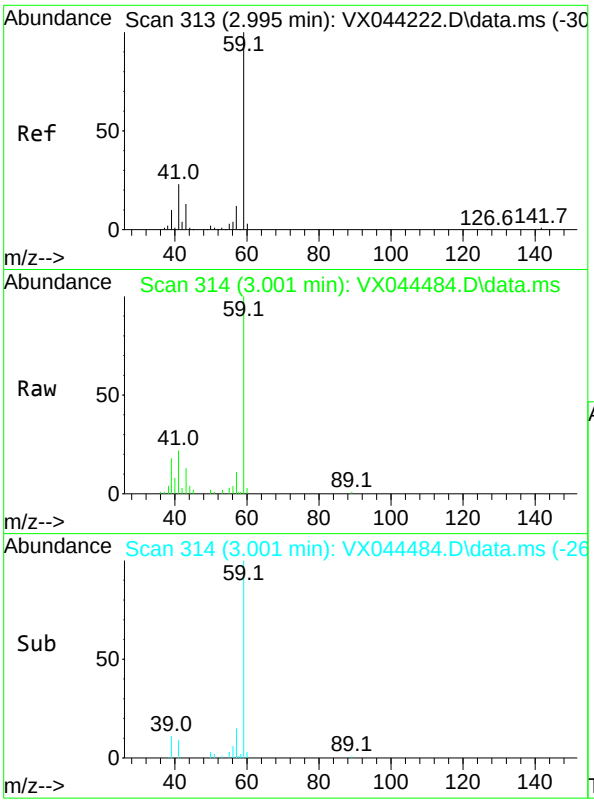




#10
Methyl Iodide
Concen: 18.303 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:142 Resp: 40160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.6 | 41.8 | 62.8 |
| 141 | 14.4 | 11.5 | 17.3 |

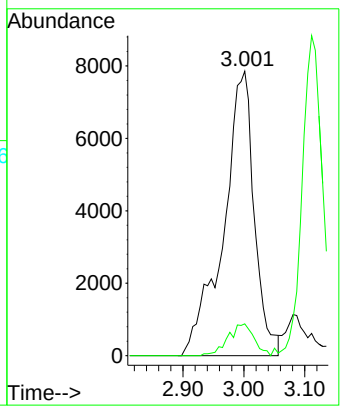





#11
Tert butyl alcohol
Concen: 82.037 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 59 Resp: 2765

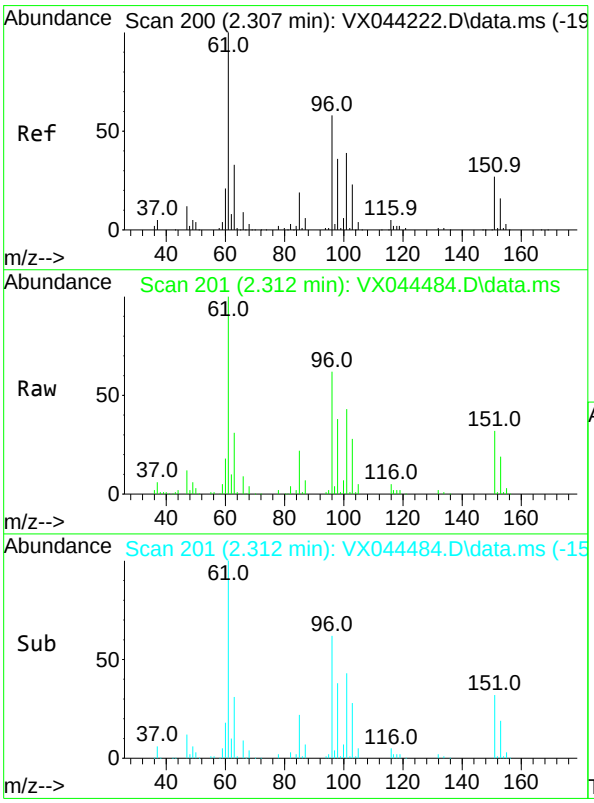
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.4 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

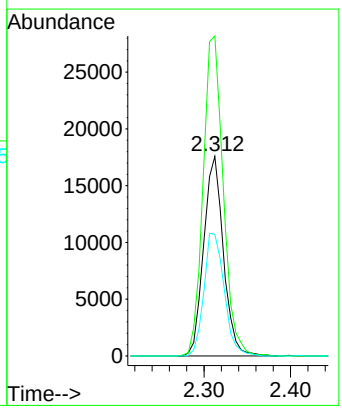
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

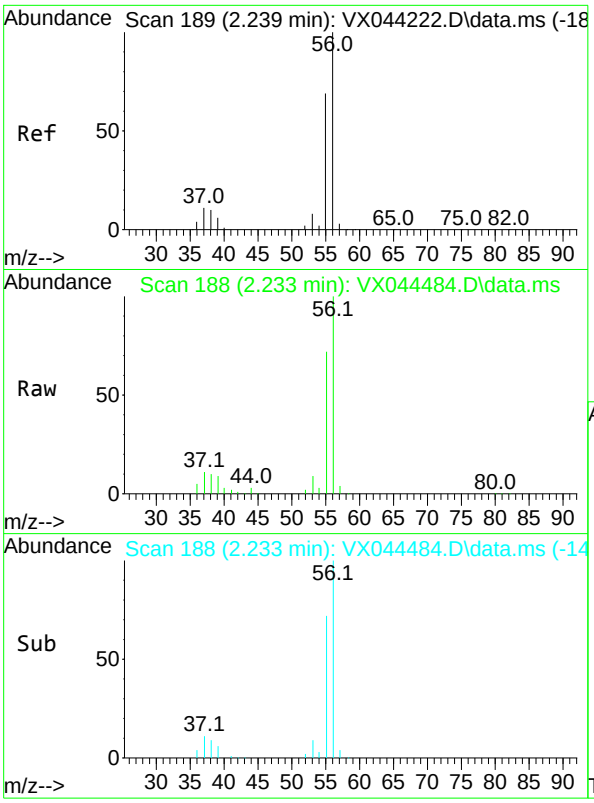



#12
1,1-Dichloroethene
Concen: 18.198 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 96 Resp: 27828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.3 | 138.0 | 207.0 |
| 98 | 60.9 | 50.0 | 75.0 |

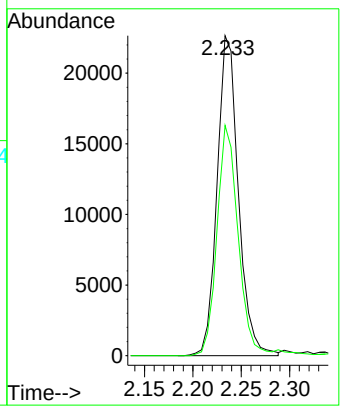





#13
Acrolein
Concen: 70.835 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 56 Resp: 3456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.4 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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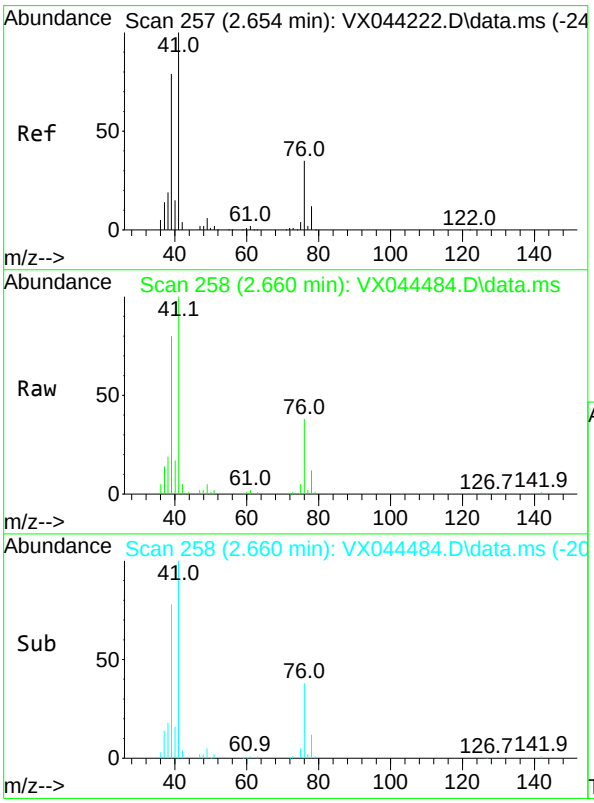
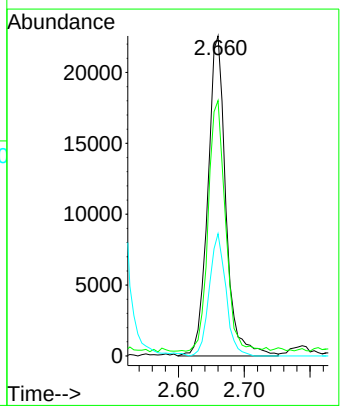
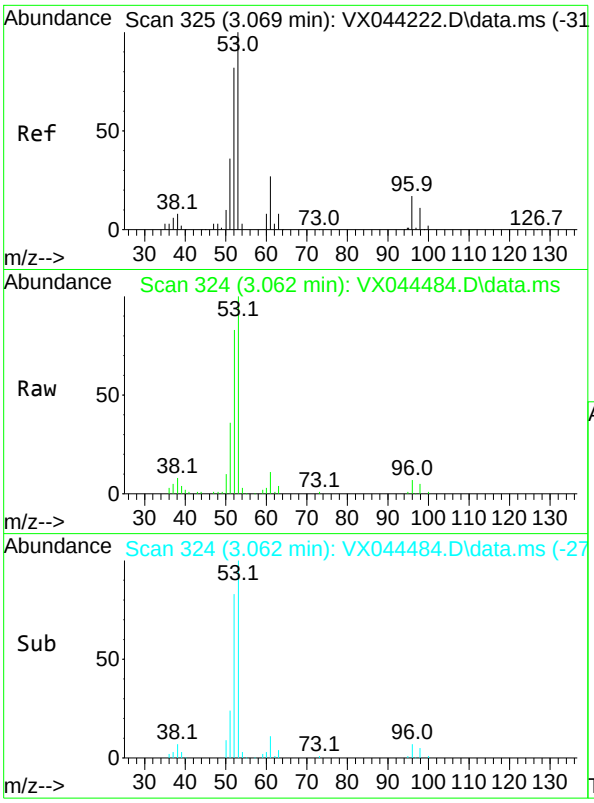



#14
Allyl chloride
Concen: 16.988 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 41 Resp: 43269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.4 | 61.9 | 92.9 |
| 76 | 35.0 | 27.4 | 41.2 |

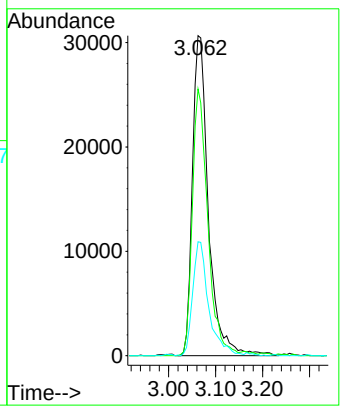





#15
Acrylonitrile
Concen: 77.865 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 53 Resp: 7271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.5 | 67.4 | 101.0 |
| 51 | 35.7 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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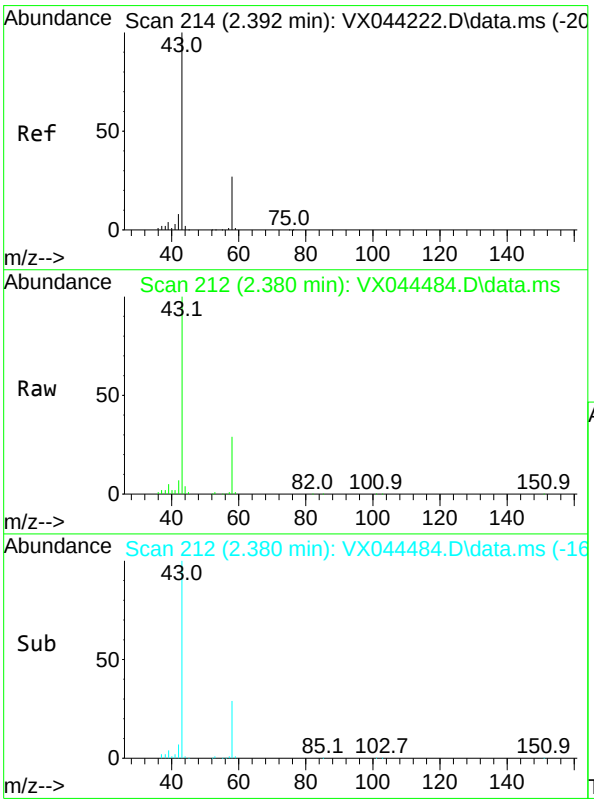
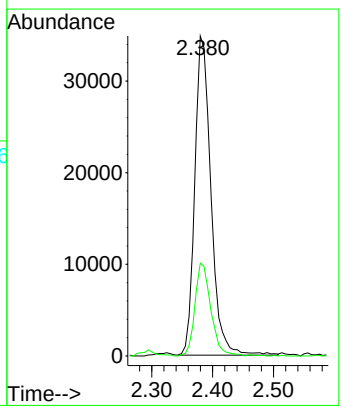
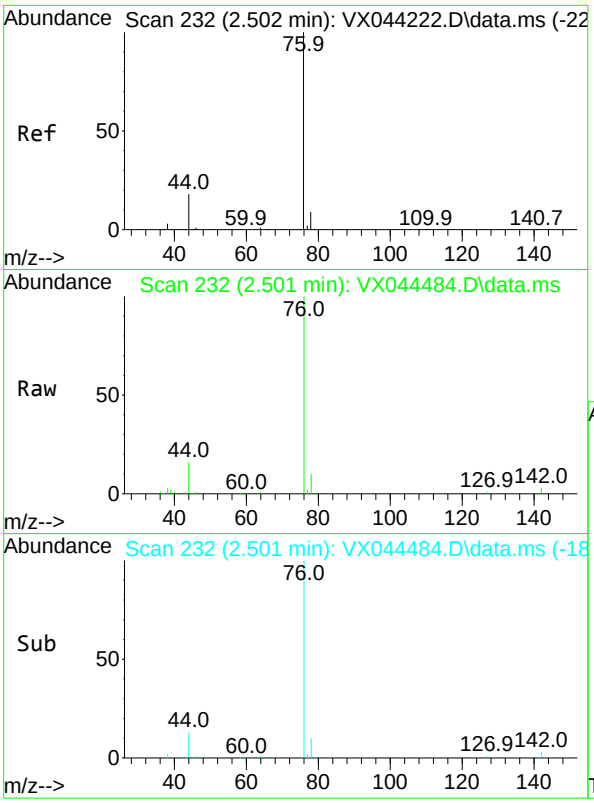



#16
Acetone
Concen: 65.827 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 64193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.1 | 21.6 | 32.4 |






#17
Carbon Disulfide
Concen: 17.488 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 76 Resp: 5083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.7 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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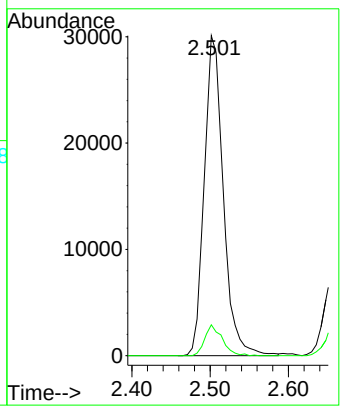
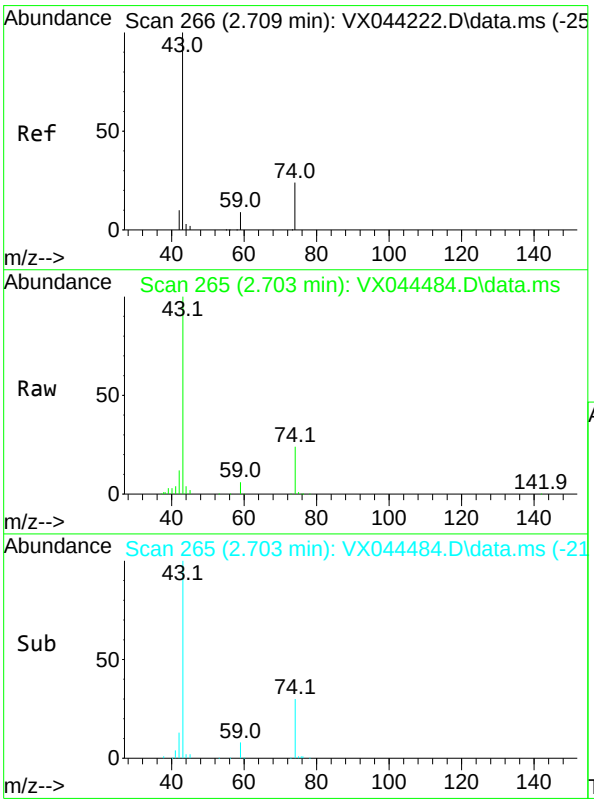
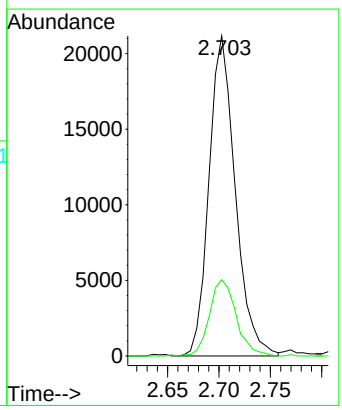


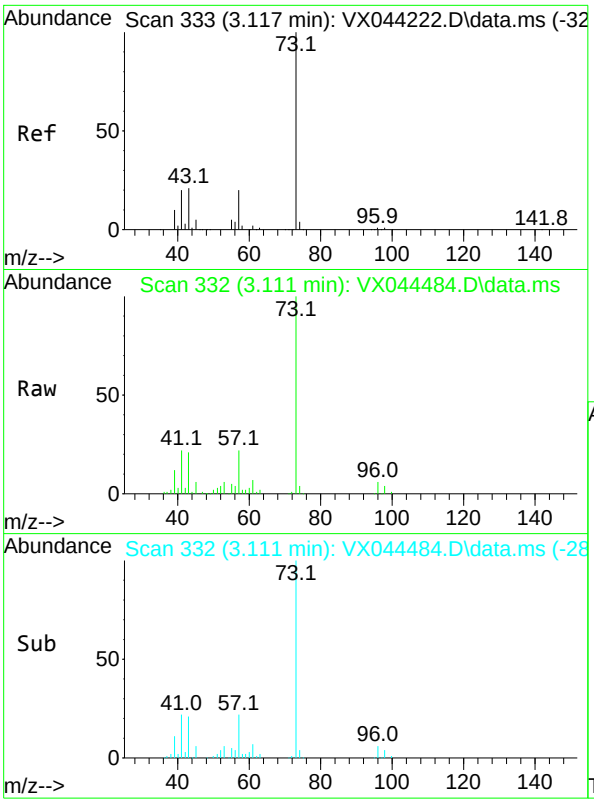




#18
Methyl Acetate
Concen: 14.987 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 37683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.3 | 17.7 | 26.5 |

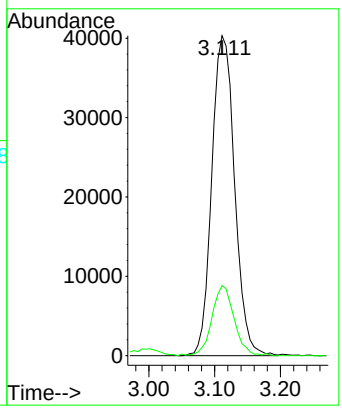





#19
Methyl tert-butyl Ether
Concen: 16.324 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 73 Resp: 9741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

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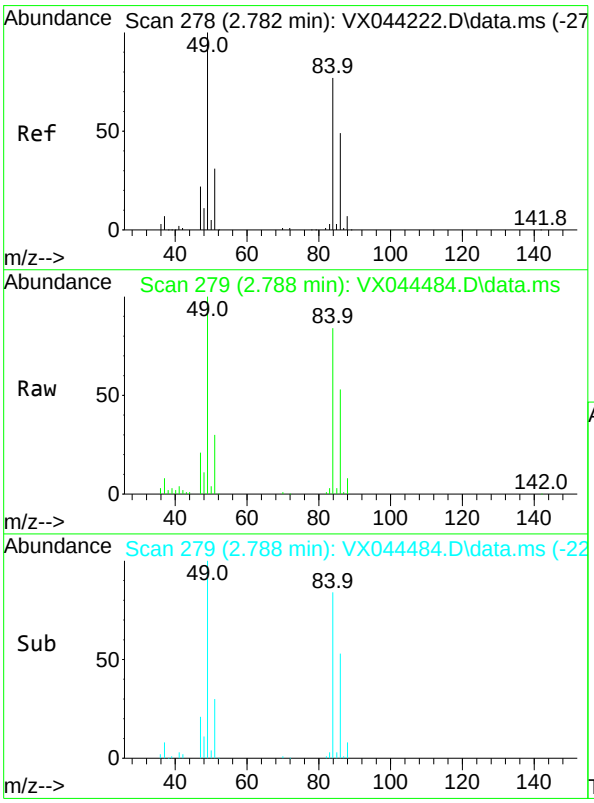
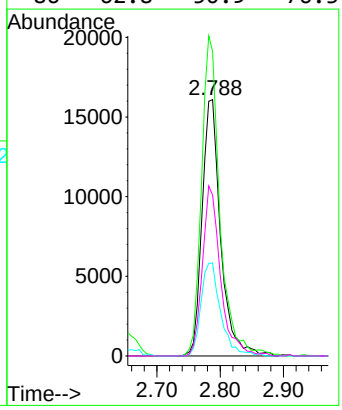
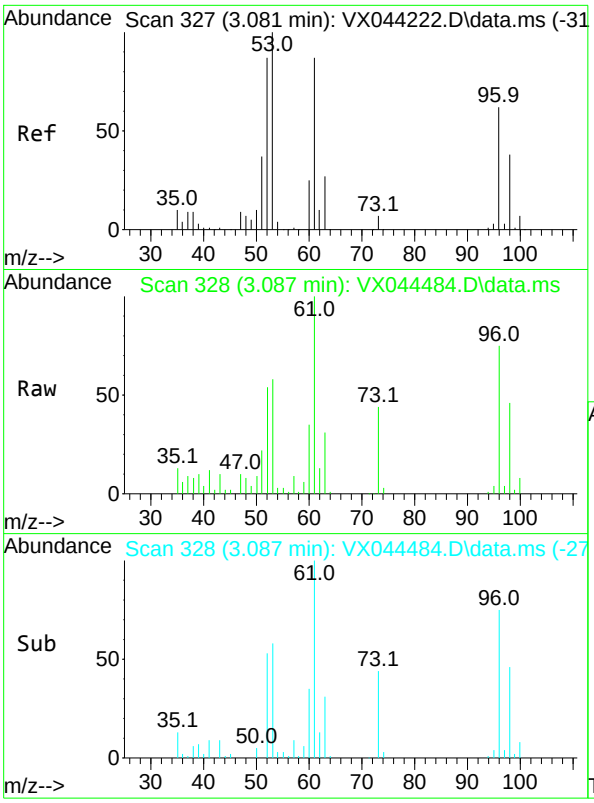



#20
Methylene Chloride
Concen: 17.995 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 84 Resp: 32960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 118.9 | 104.2 | 156.4 |
| 51 | 36.3 | 32.2 | 48.4 |
| 86 | 62.8 | 50.9 | 76.3 |

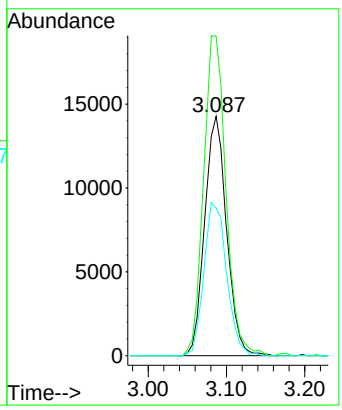





#21
trans-1,2-Dichloroethene
Concen: 17.082 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 96 Resp: 2776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.6 | 112.0 | 168.0 |
| 98 | 61.6 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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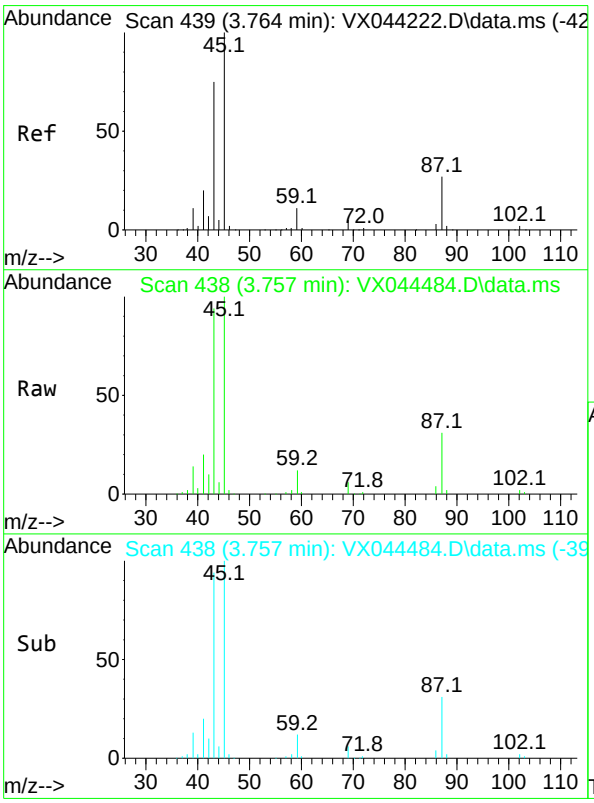
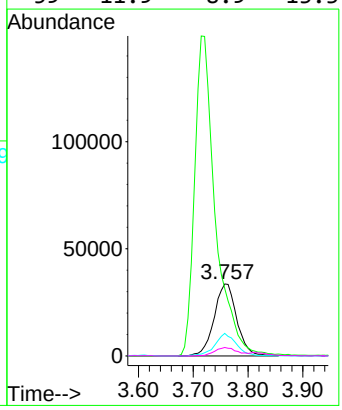
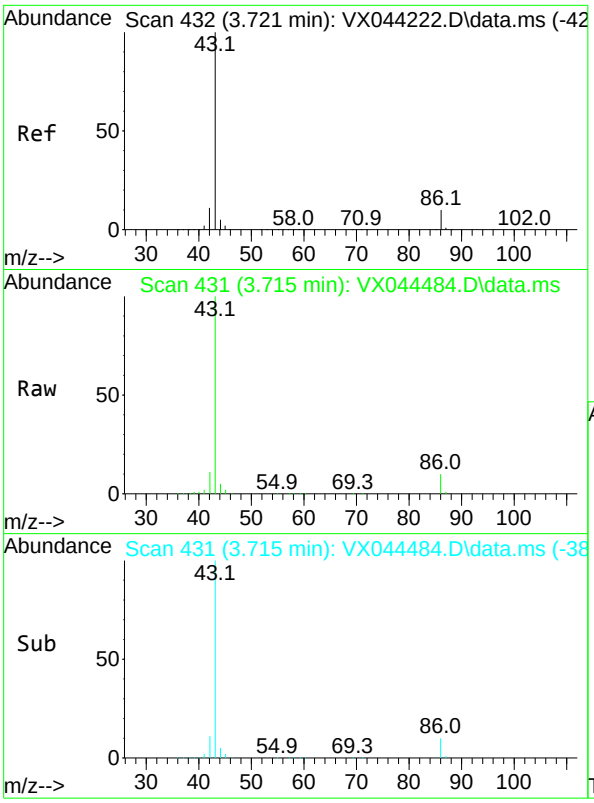



#22
Diisopropyl ether
Concen: 16.828 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 45 Resp: 96519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 93.3 | 60.2 | 90.2# |
| 87 | 31.4 | 21.2 | 31.8 |
| 59 | 11.9 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 85.091 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 39677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

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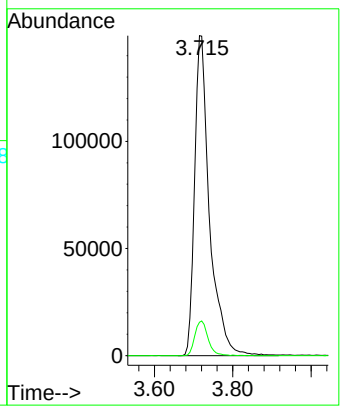
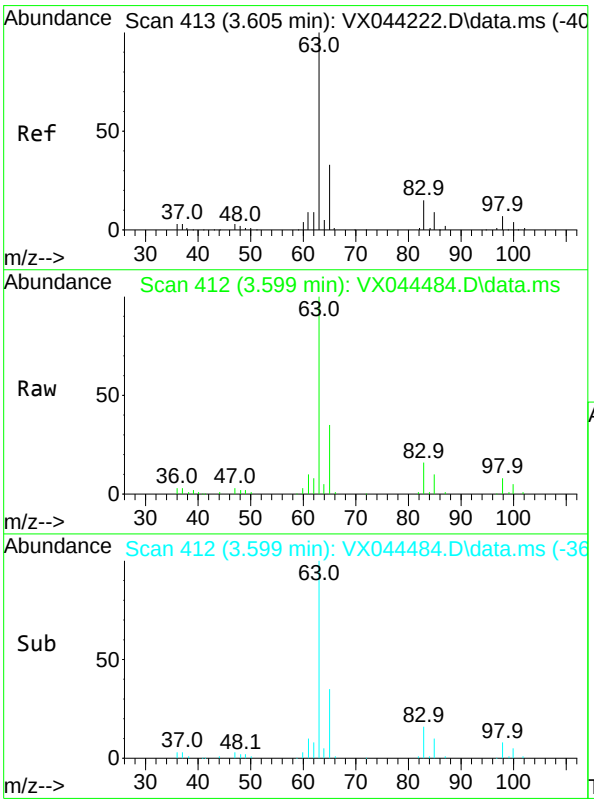
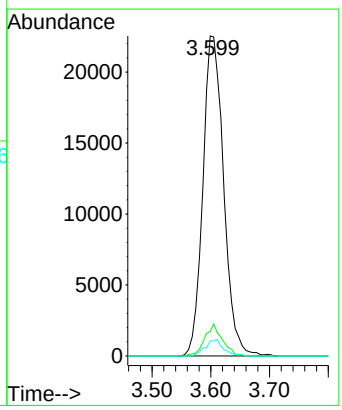


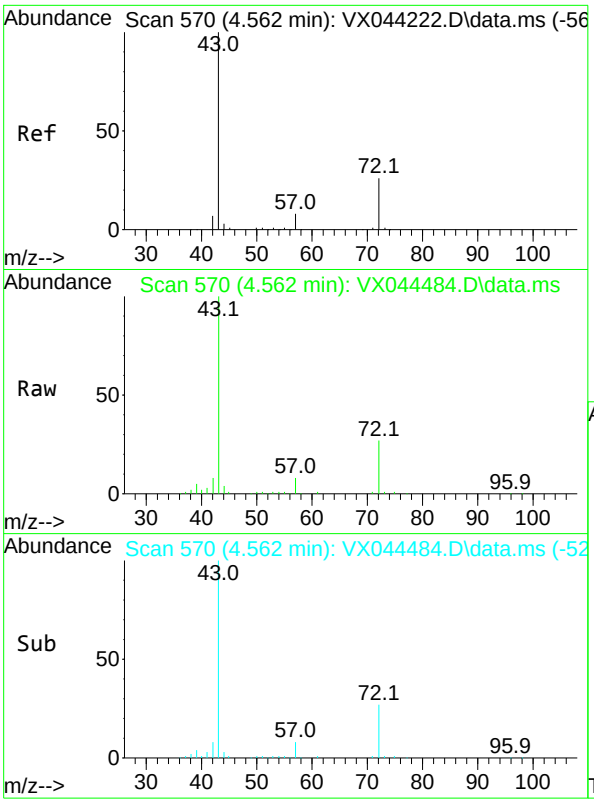




#24
1,1-Dichloroethane
Concen: 17.319 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 63 Resp: 55371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 69.639 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 9654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.9 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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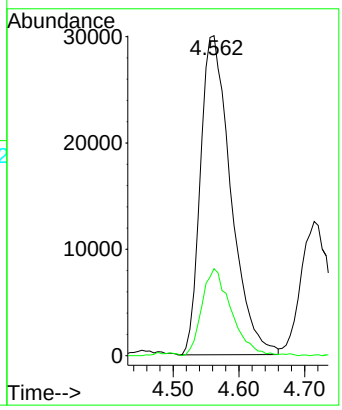
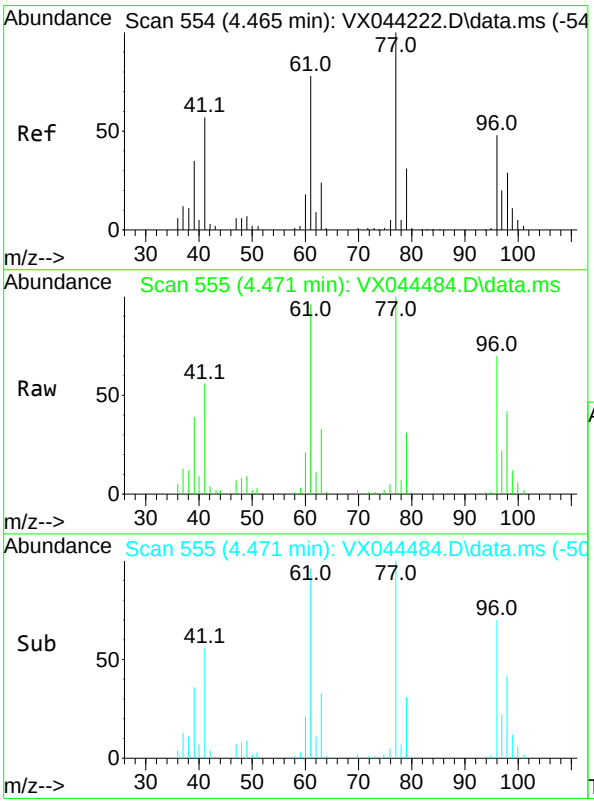
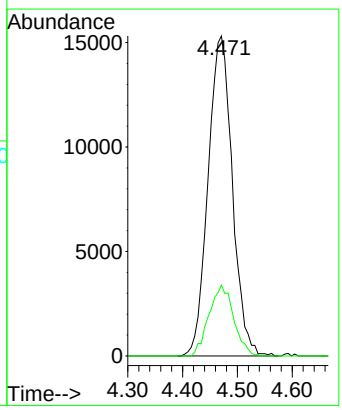


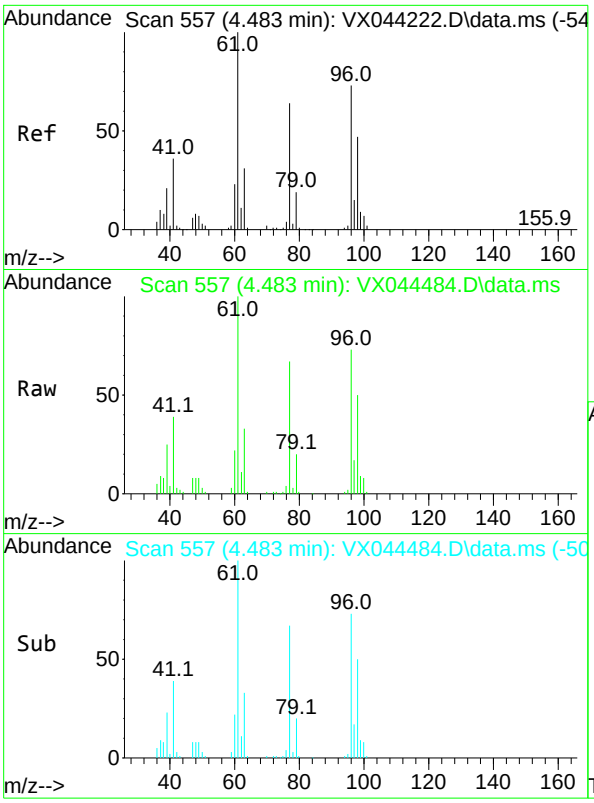




#26
2,2-Dichloropropane
Concen: 18.126 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 77 Resp: 47079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.5 | 10.7 | 32.1 |

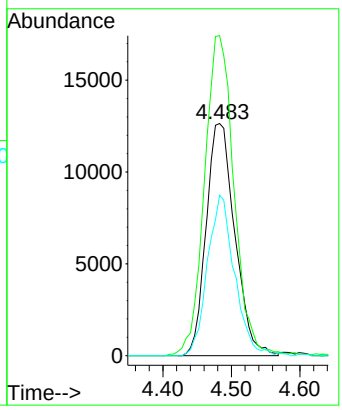





#27
cis-1,2-Dichloroethene
Concen: 17.829 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 96 Resp: 3679

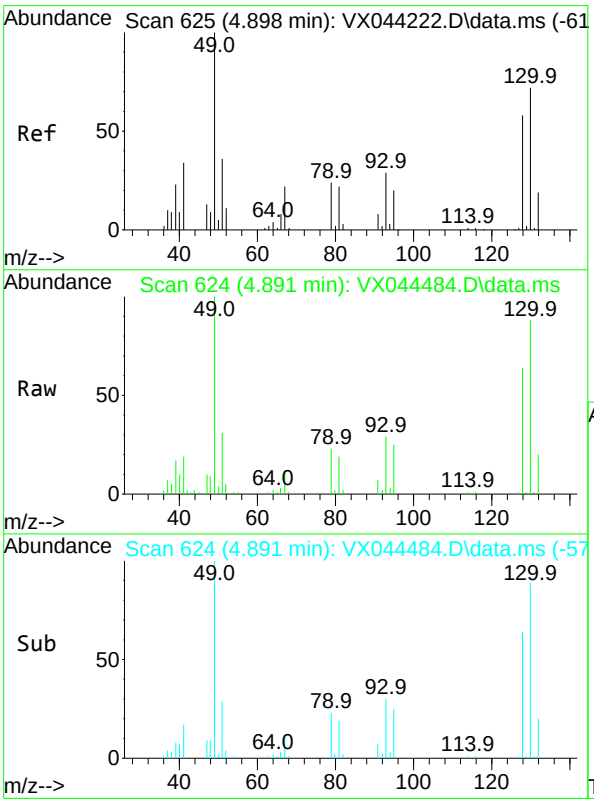
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.6 | 0.0 | 299.0 |
| 98 | 65.2 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

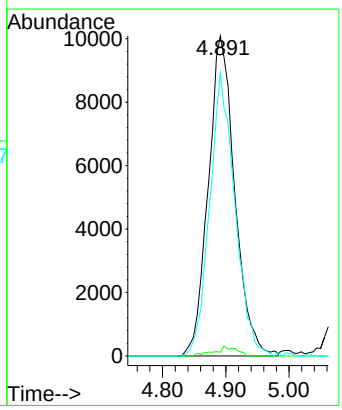
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

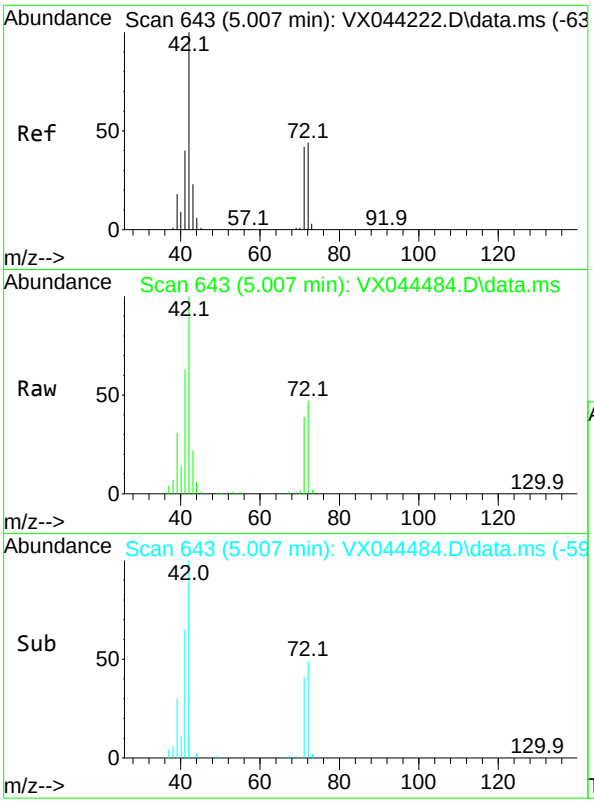



#28
Bromochloromethane
Concen: 18.689 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 49 Resp: 29299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.5 | 0.0 | 4.2 |
| 130 | 84.3 | 62.1 | 93.1 |

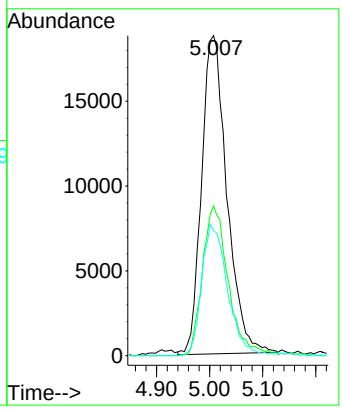





#29
Tetrahydrofuran
Concen: 69.958 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 42 Resp: 6225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.1 | 37.0 | 55.6 |
| 71 | 41.9 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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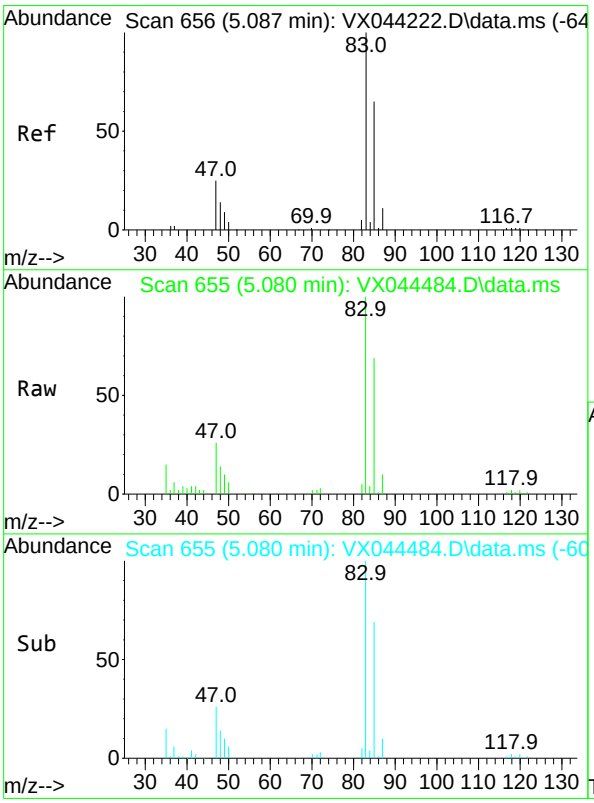
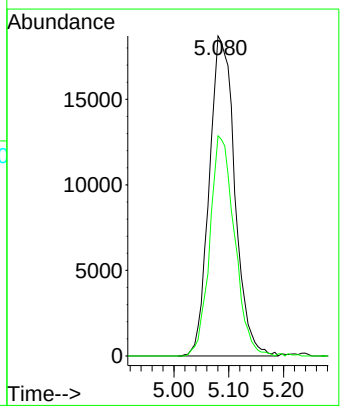
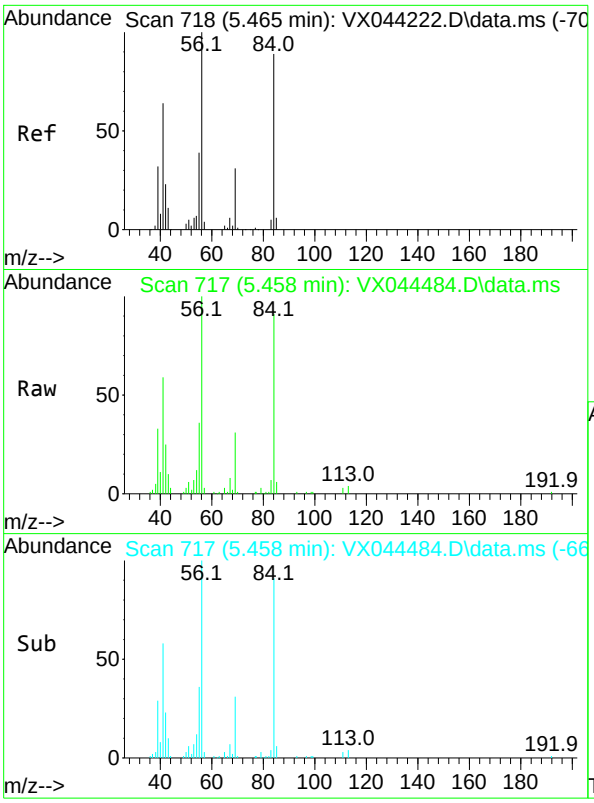



#30
Chloroform
Concen: 16.834 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 83 Resp: 60467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.8 | 51.6 | 77.4 |

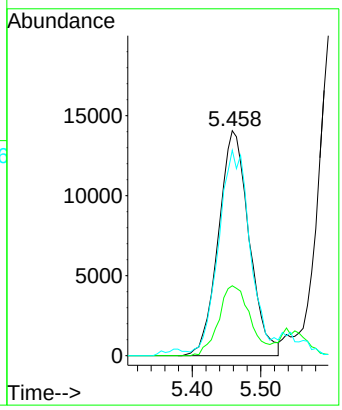





#31
Cyclohexane
Concen: 16.960 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 56 Resp: 4378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.1 | 24.7 | 37.1 |
| 84 | 88.4 | 71.0 | 106.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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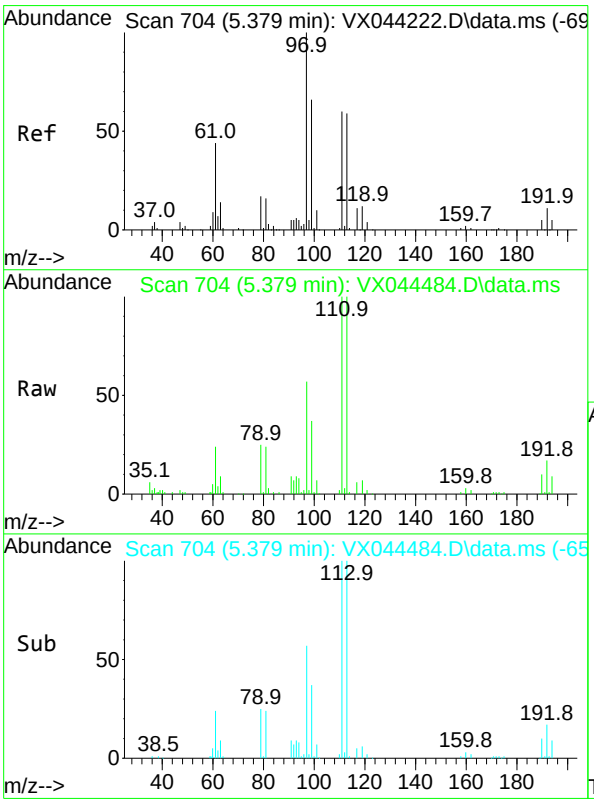
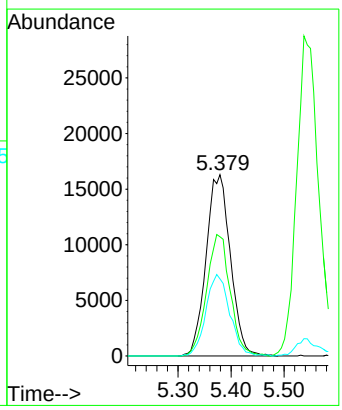
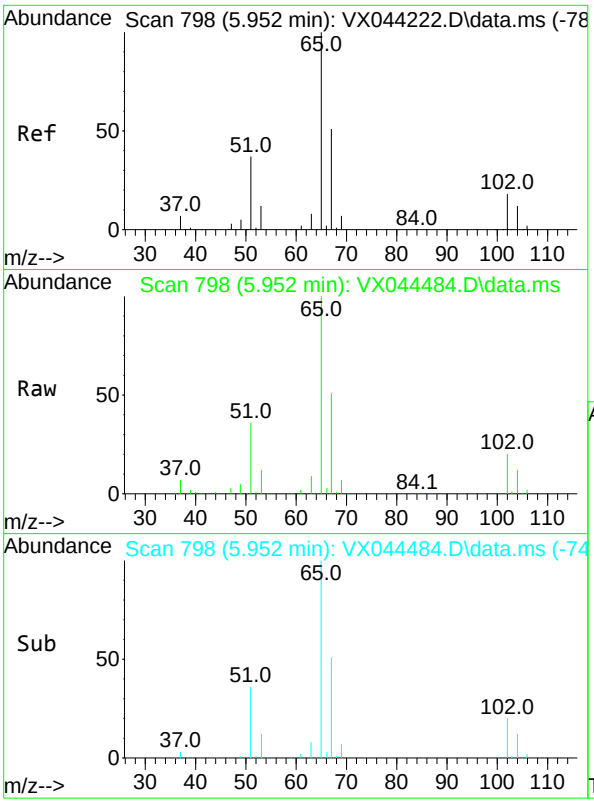



#32
1,1,1-Trichloroethane
Concen: 17.470 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 97 Resp: 52091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 50.8 | 76.2 |
| 61 | 44.0 | 35.2 | 52.8 |

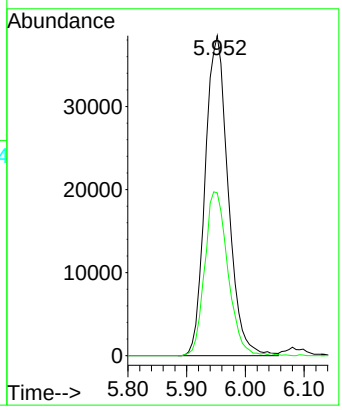





#33
1,2-Dichloroethane-d4
Concen: 43.697 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 65 Resp: 10452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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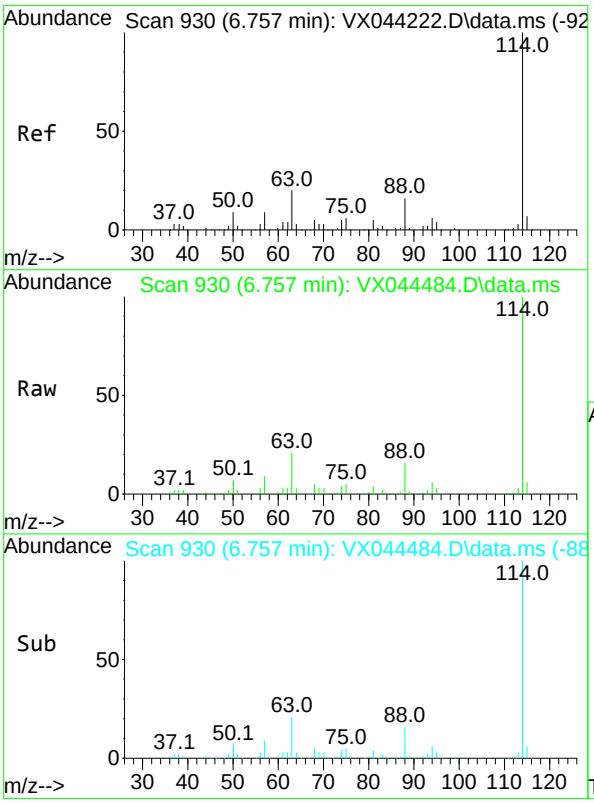
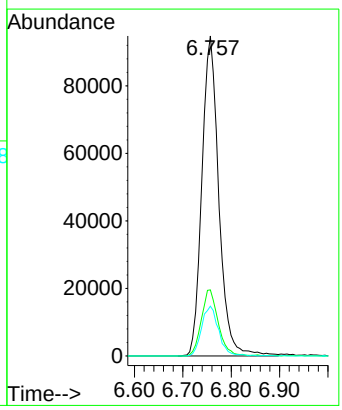
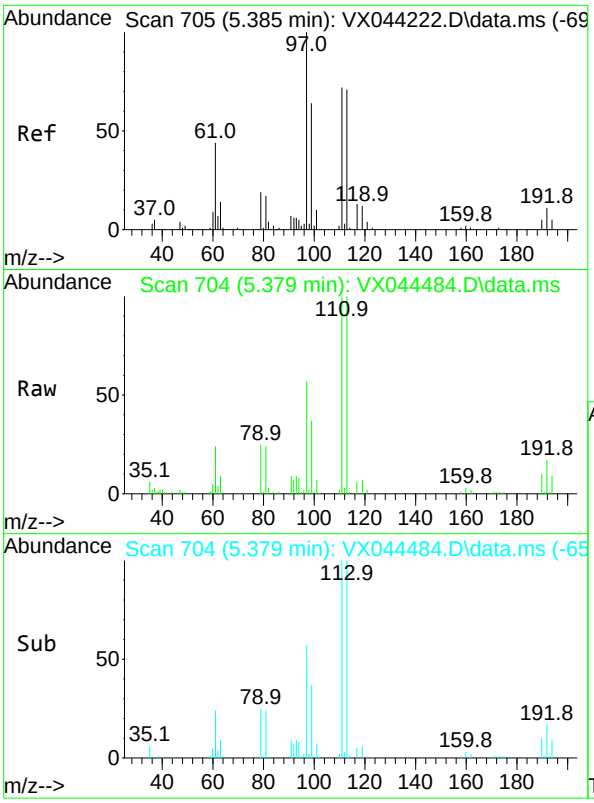



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:114 Resp: 230675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 40.6 |
| 88 | 15.6 | 0.0 | 31.8 |

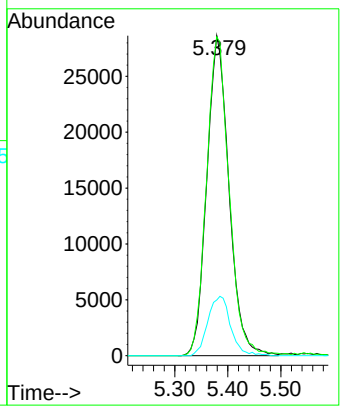





#35
Dibromofluoromethane
Concen: 52.043 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:113 Resp: 8314(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 80.4 | 120.6 |
| 192 | 19.1 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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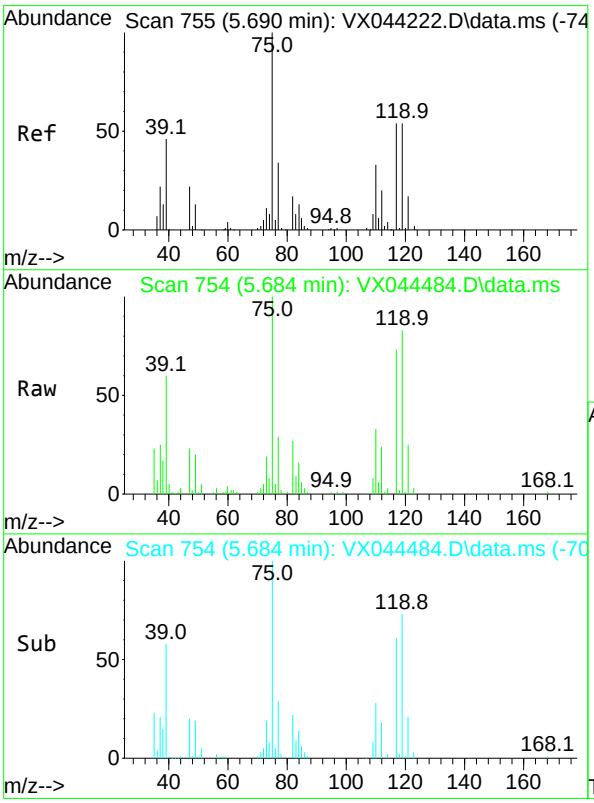
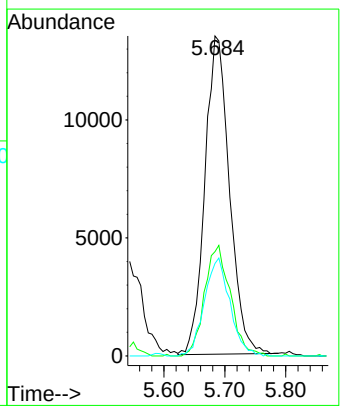
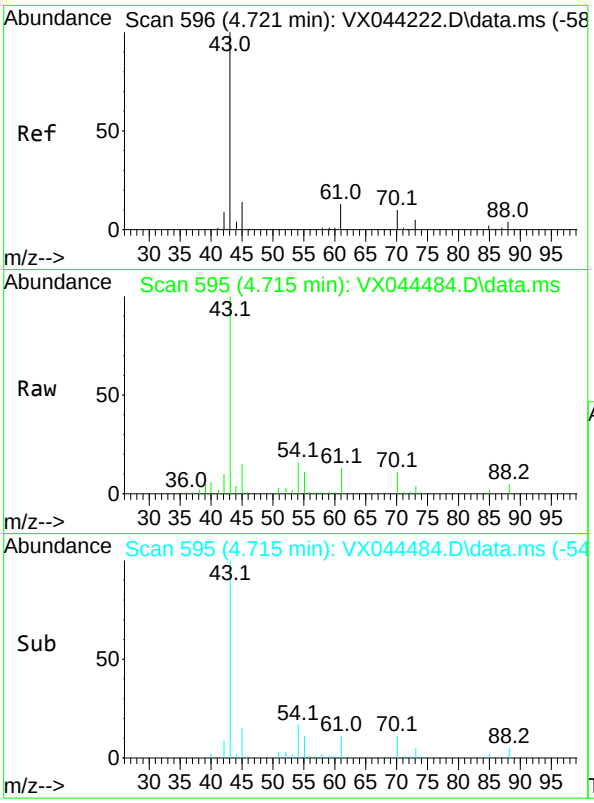



#36
1,1-Dichloropropene
Concen: 18.299 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 75 Resp: 37790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.4 | 17.3 | 51.7 |
| 77 | 32.1 | 25.4 | 38.0 |

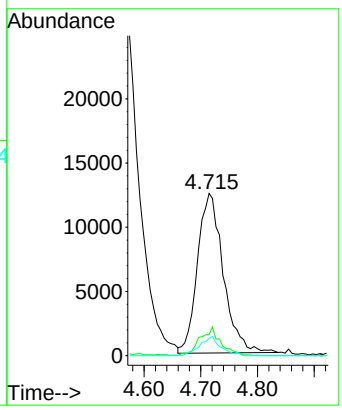





#37
Ethyl Acetate
Concen: 15.393 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 3929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.6 | 9.8 | 14.8 |
| 70 | 9.7 | 7.7 | 11.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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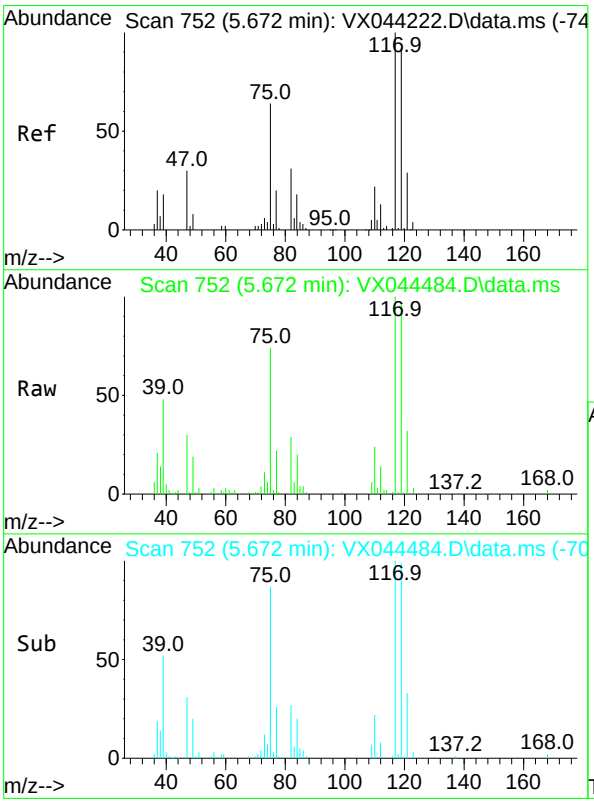
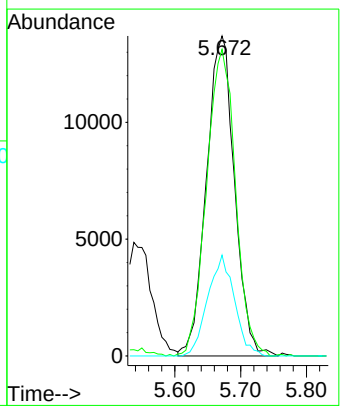
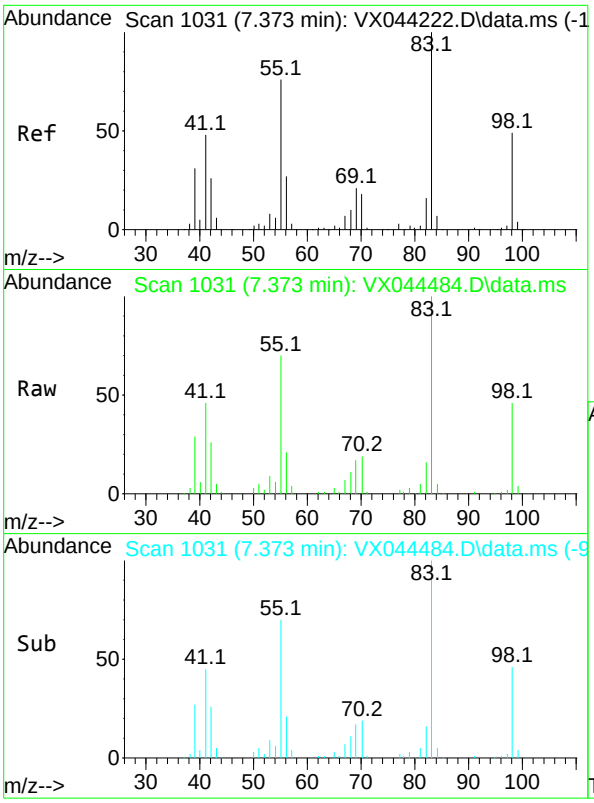



#38
Carbon Tetrachloride
Concen: 18.356 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:117 Resp: 40813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.4 | 74.2 | 111.4 |
| 121 | 31.5 | 23.0 | 34.6 |

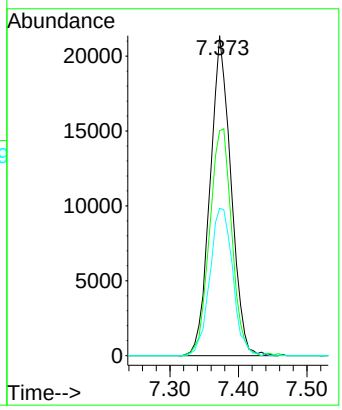





#39
Methylcyclohexane
Concen: 18.304 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 83 Resp: 4519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 70.3 | 60.7 | 91.1 |
| 98 | 46.1 | 38.9 | 58.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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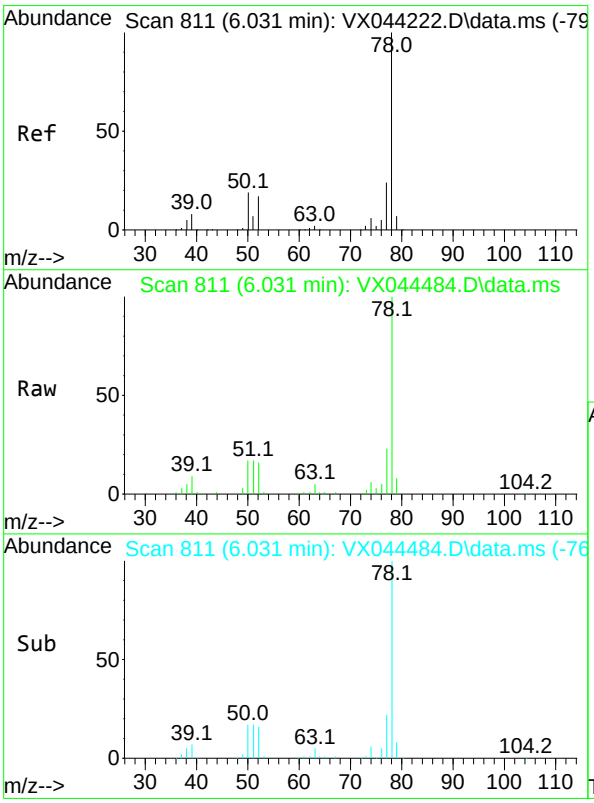
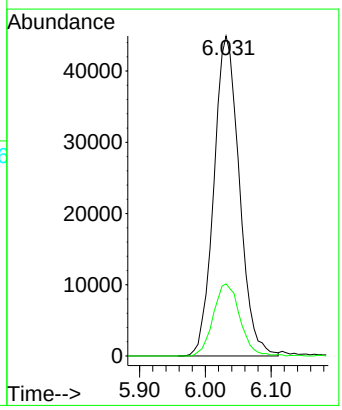
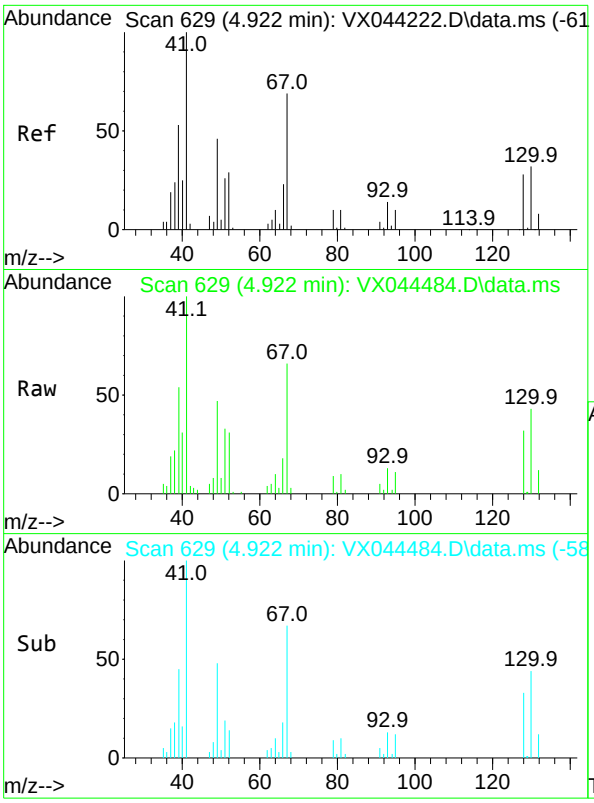



#40
Benzene
Concen: 19.316 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 78 Resp: 121112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.6 | 19.3 | 28.9 |

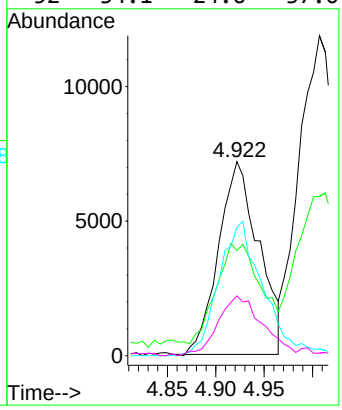





#41
Methacrylonitrile
Concen: 15.336 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 41 Resp: 2078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.7 | 44.2 | 66.4 |
| 67 | 76.5 | 57.2 | 85.8 |
| 52 | 34.1 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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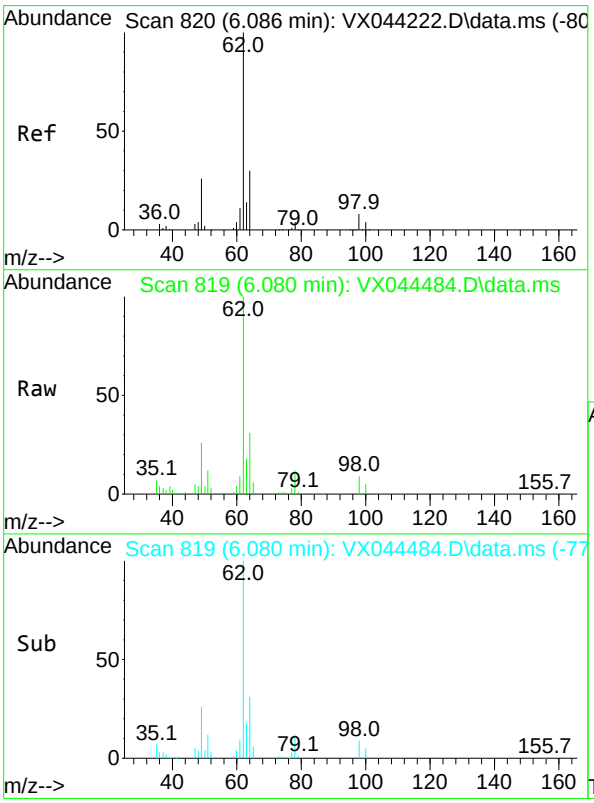
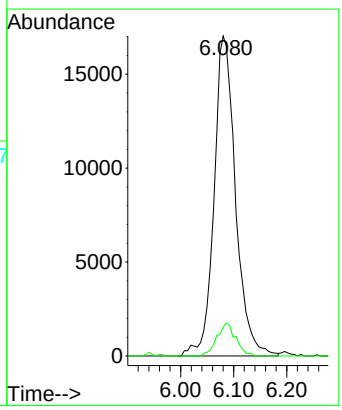
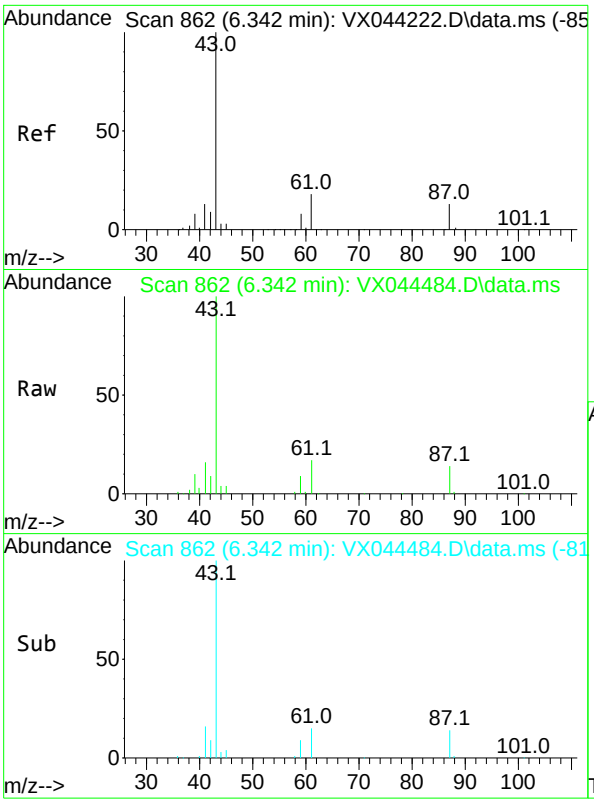



#42
1,2-Dichloroethane
Concen: 18.601 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 62 Resp: 48045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 15.8 |

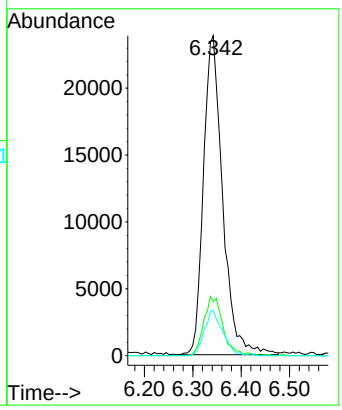





#43
Isopropyl Acetate
Concen: 16.475 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 6573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 14.2 | 21.2 |
| 87 | 13.6 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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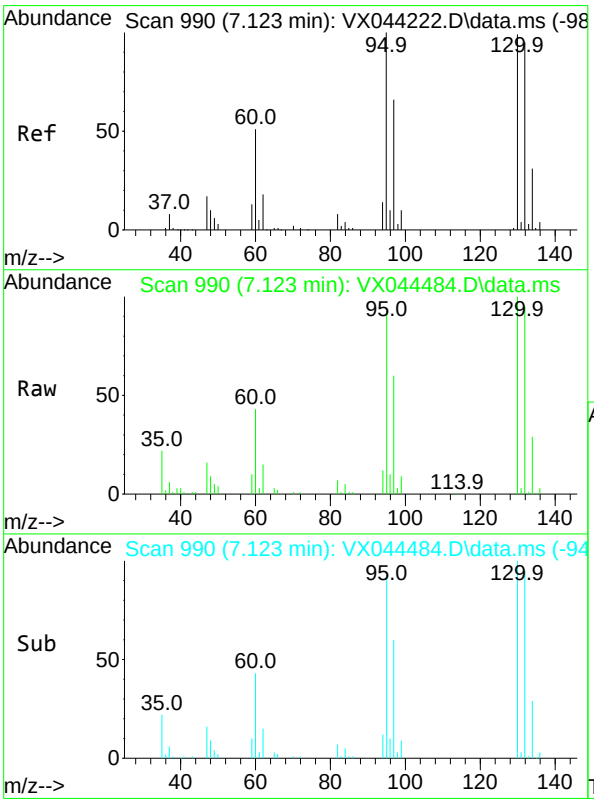
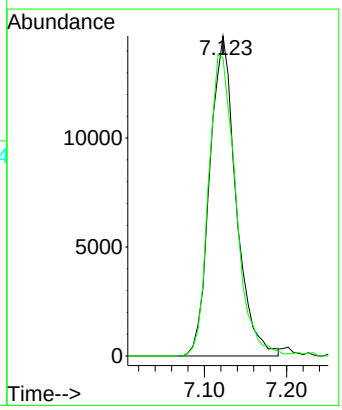
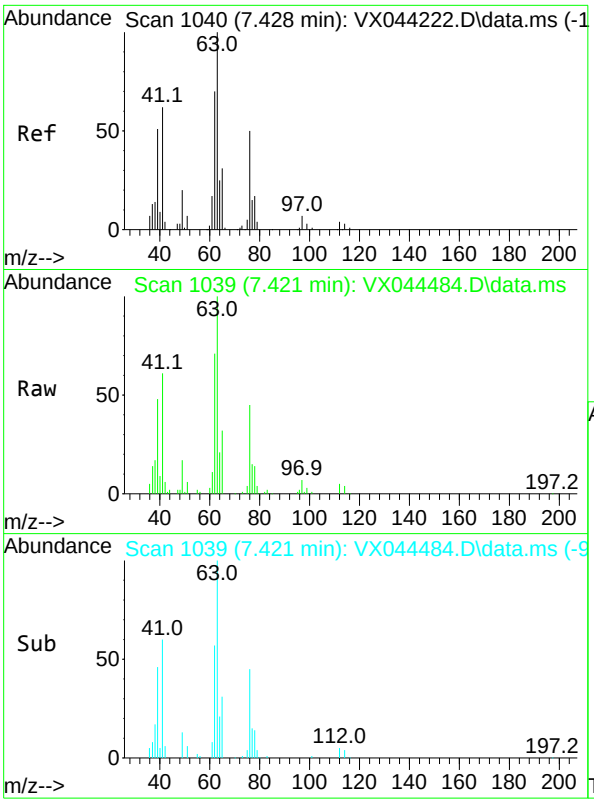



#44
Trichloroethene
Concen: 20.823 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:130 Resp: 32559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 93.1 | 0.0 | 201.4 |

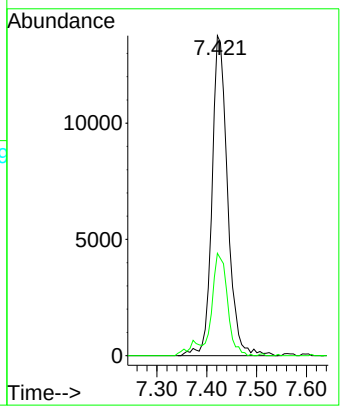





#45
1,2-Dichloropropane
Concen: 18.733 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 63 Resp: 3000

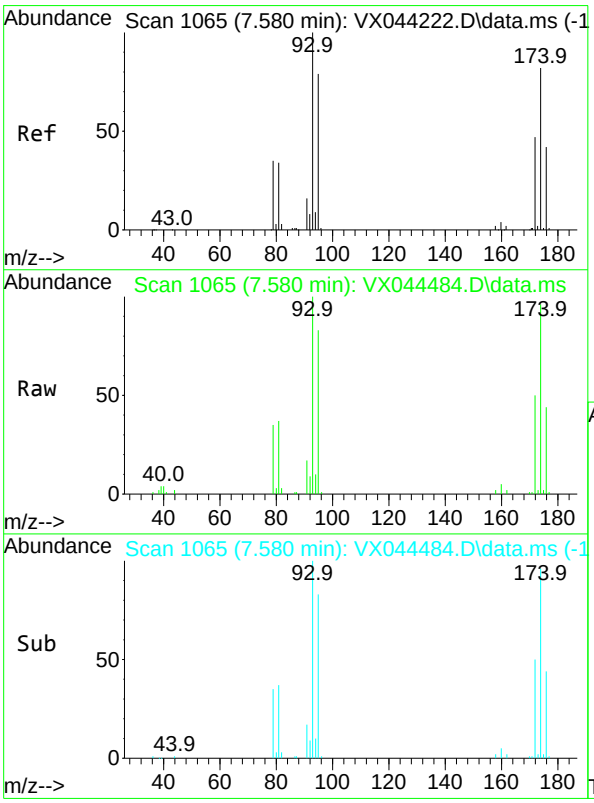
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

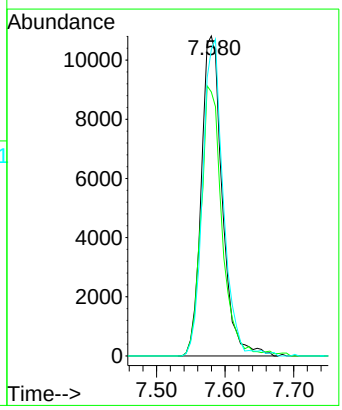
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

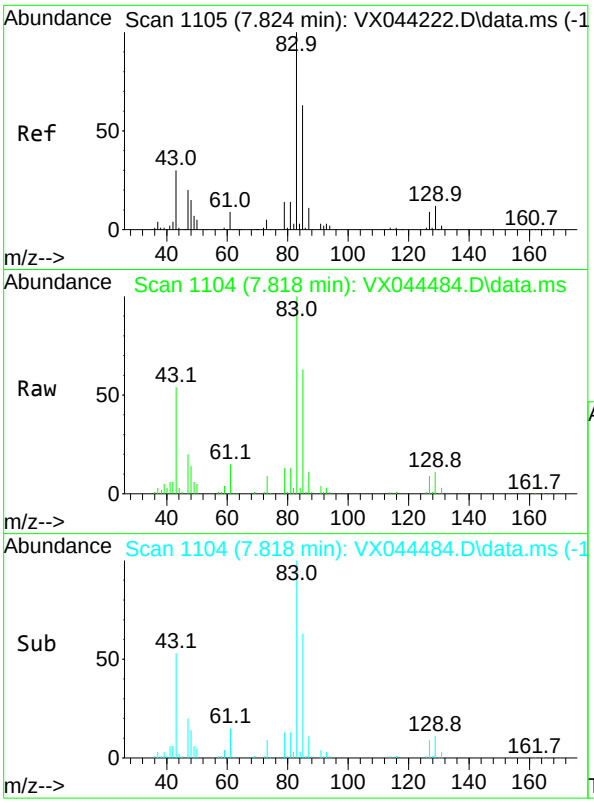



#46
Dibromomethane
Concen: 18.470 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 93 Resp: 22954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.9 | 65.4 | 98.2 |
| 174 | 97.4 | 67.9 | 101.9 |

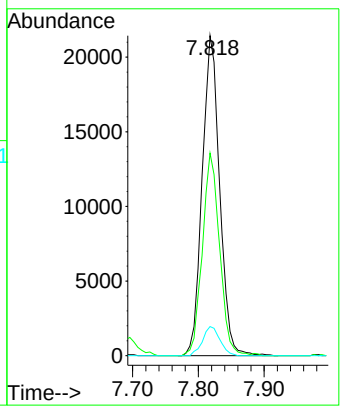





#47
Bromodichloromethane
Concen: 18.450 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 83 Resp: 3960

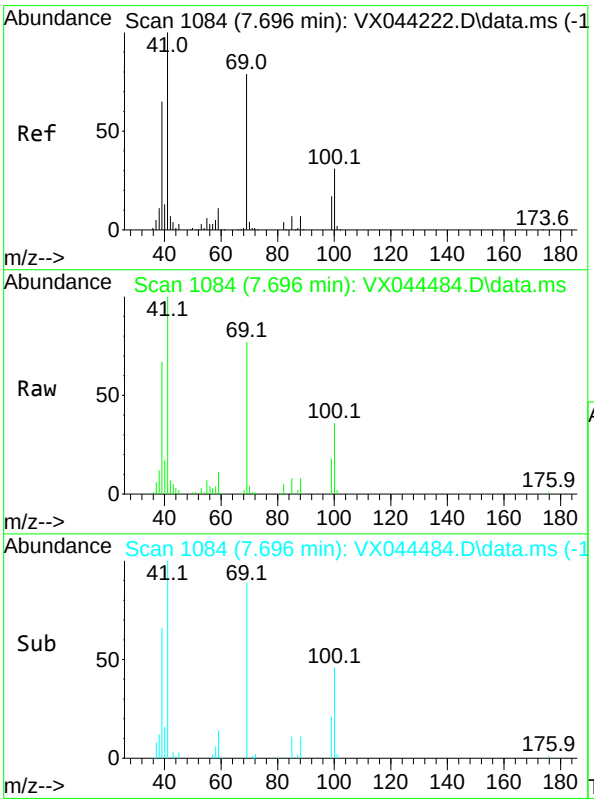
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 50.6 | 75.8 |
| 127 | 9.1 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

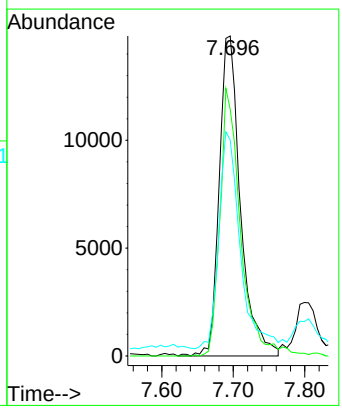
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

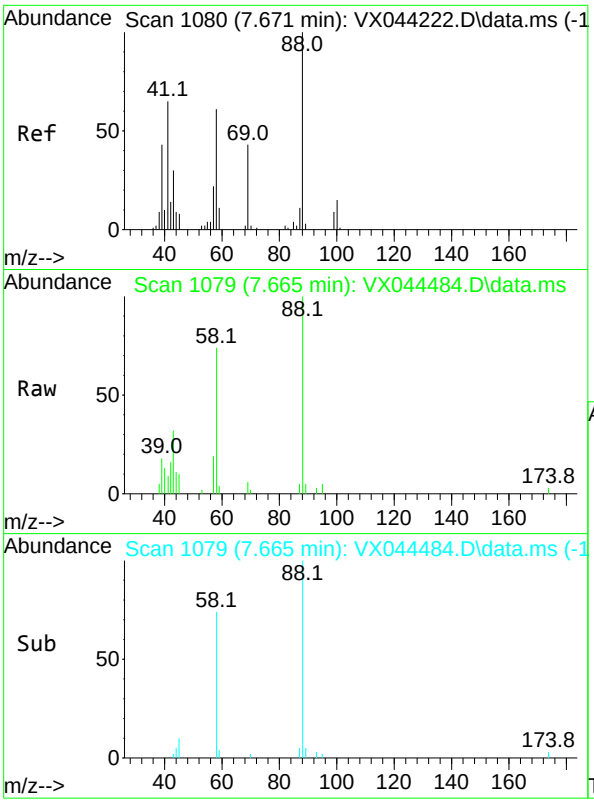



#48
Methyl methacrylate
Concen: 15.770 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 41 Resp: 30544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.7 | 62.4 | 93.6 |
| 39 | 67.8 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 265.414 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 88 Resp: 852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.0 | 27.1 | 40.7 |
| 58 | 67.9 | 41.0 | 61.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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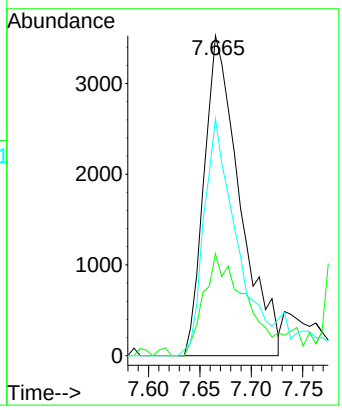
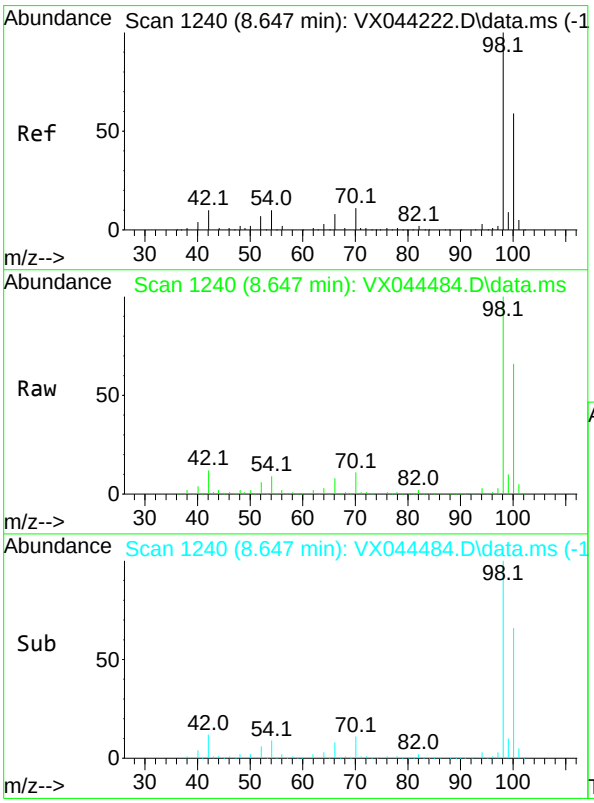
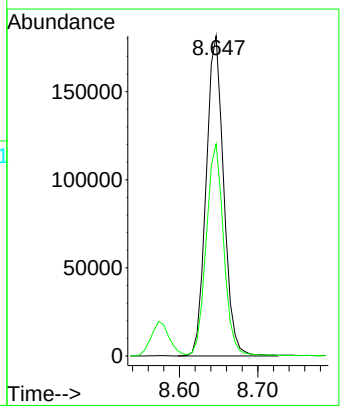


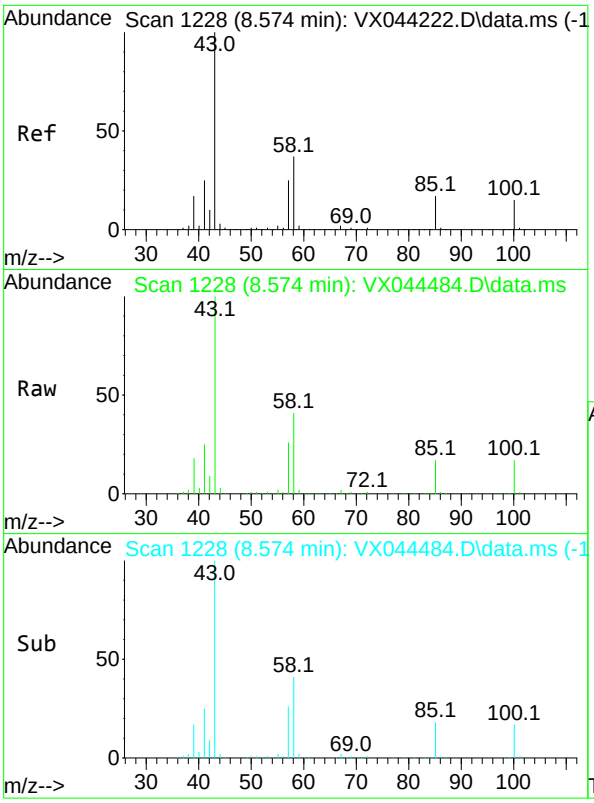




#50
Toluene-d8
Concen: 52.366 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 98 Resp: 282252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 51.5 | 77.3 |

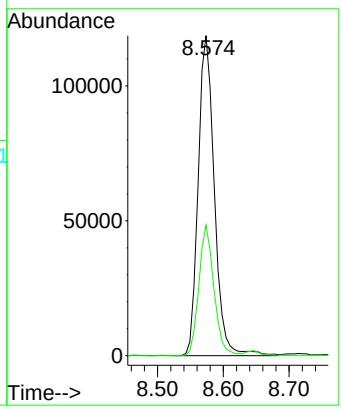





#51
4-Methyl-2-Pentanone
Concen: 79.048 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 20279

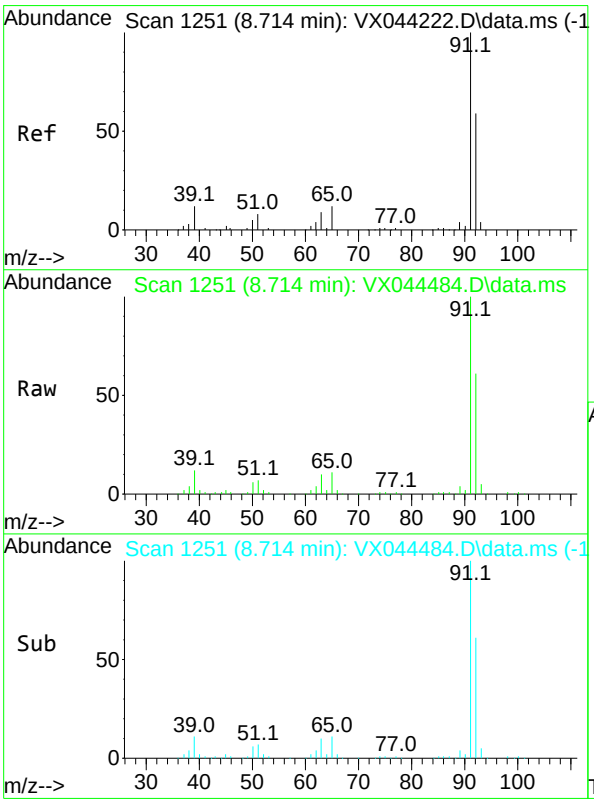
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

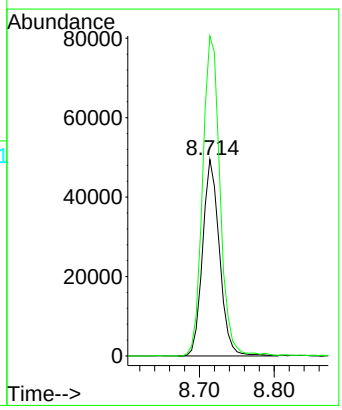
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

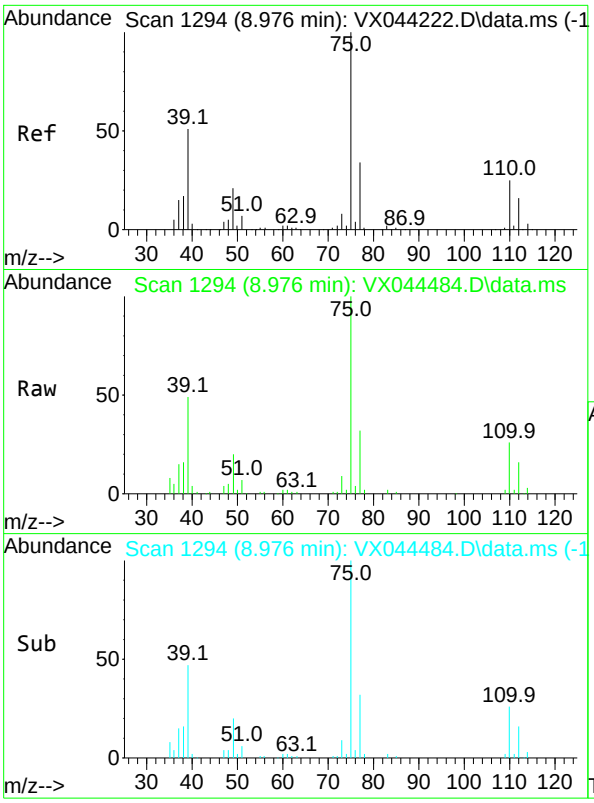



#52
Toluene
Concen: 19.696 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 92 Resp: 77555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.9 | 137.0 | 205.6 |

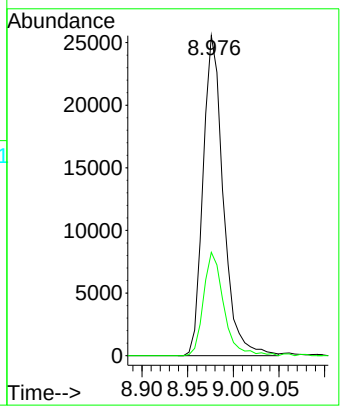





#53
t-1,3-Dichloropropene
Concen: 18.305 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 75 Resp: 3937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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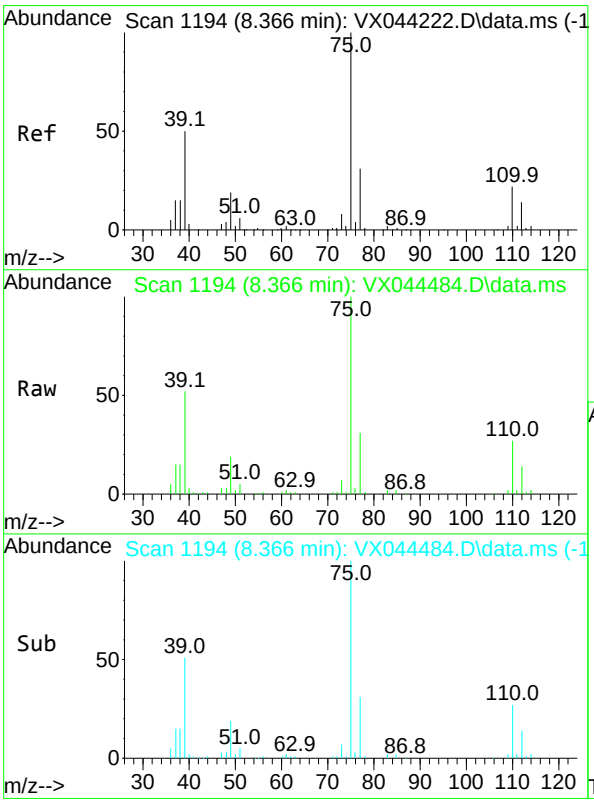
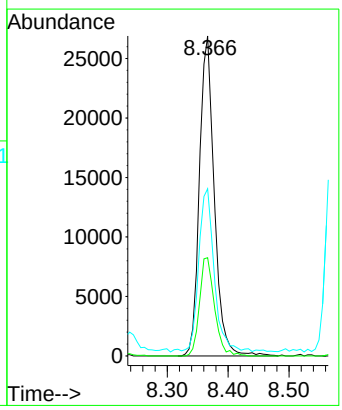
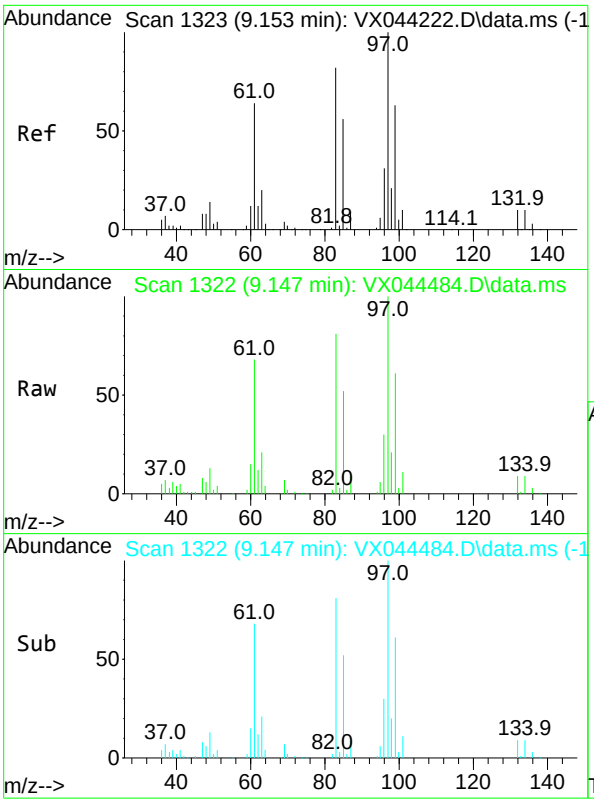



#54
cis-1,3-Dichloropropene
Concen: 19.516 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 75 Resp: 45608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 24.7 | 37.1 |
| 39 | 50.9 | 40.3 | 60.5 |

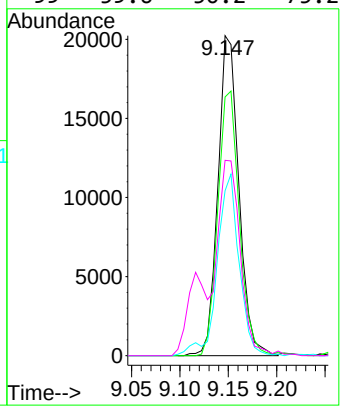





#55
1,1,2-Trichloroethane
Concen: 19.448 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 97 Resp: 3042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.8 | 65.3 | 97.9 |
| 85 | 51.1 | 44.6 | 67.0 |
| 99 | 59.6 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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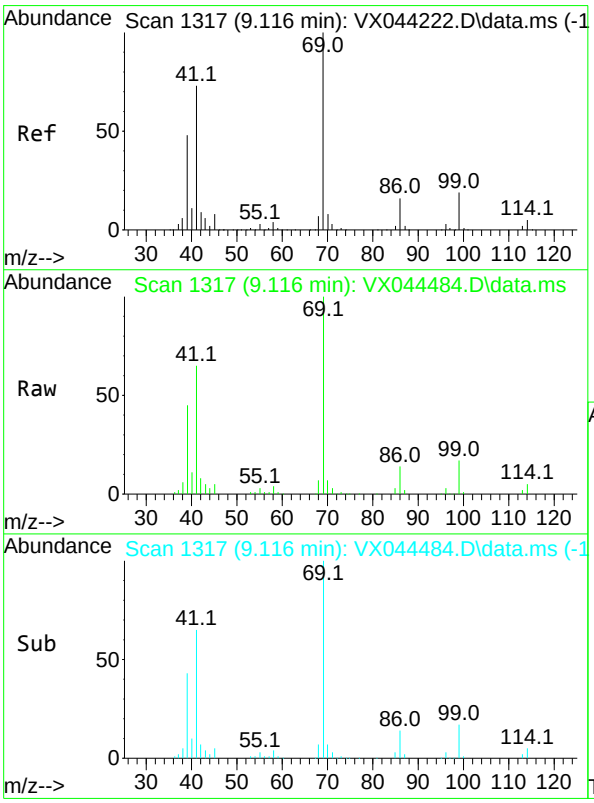
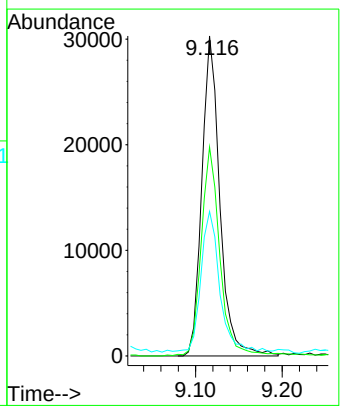
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

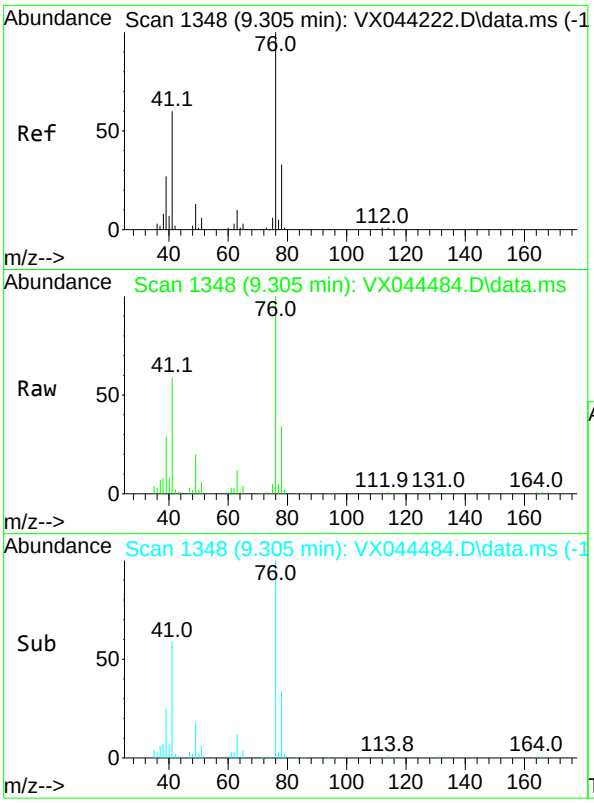



#56
Ethyl methacrylate
Concen: 17.707 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 69 Resp: 43727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.6 | 56.6 | 85.0 |
| 39 | 46.2 | 37.4 | 56.0 |

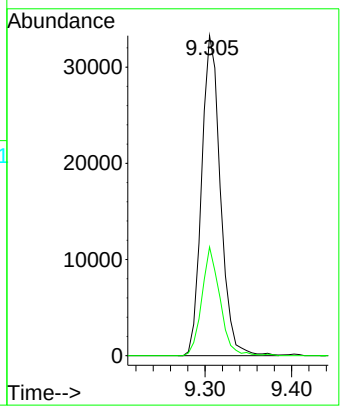





#57
1,3-Dichloropropane
Concen: 18.421 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 76 Resp: 5015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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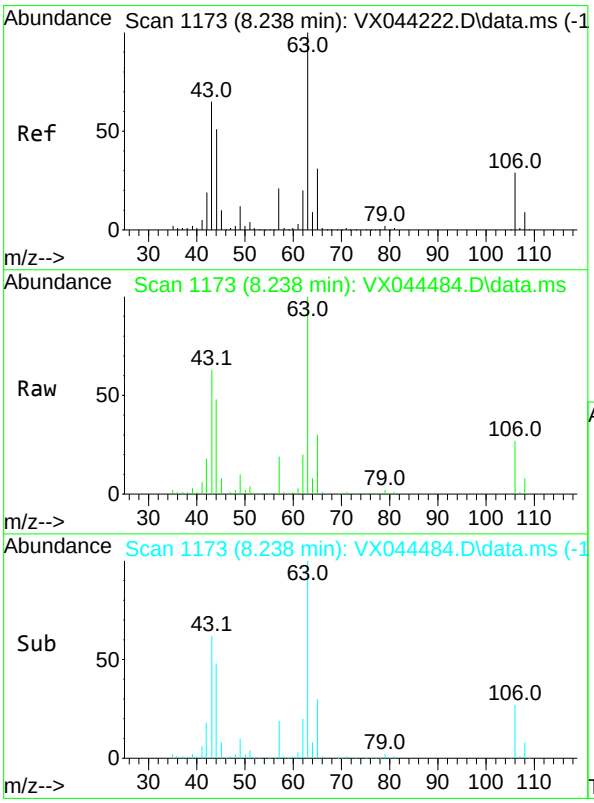
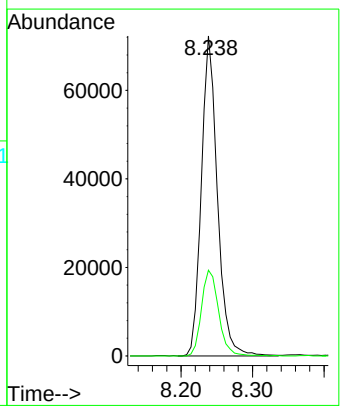
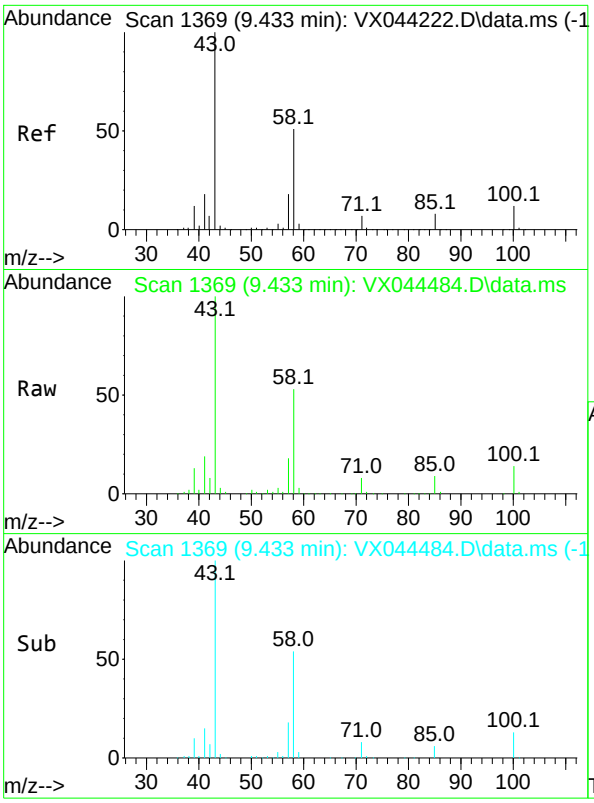



#58
2-Chloroethyl Vinyl ether
Concen: 90.532 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 63 Resp: 112759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 78.199 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 14521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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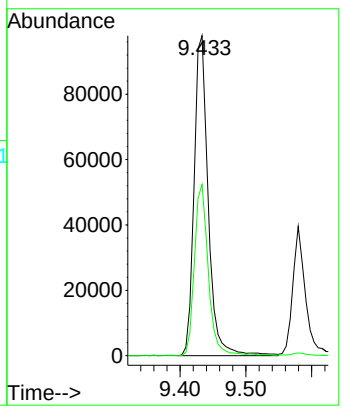
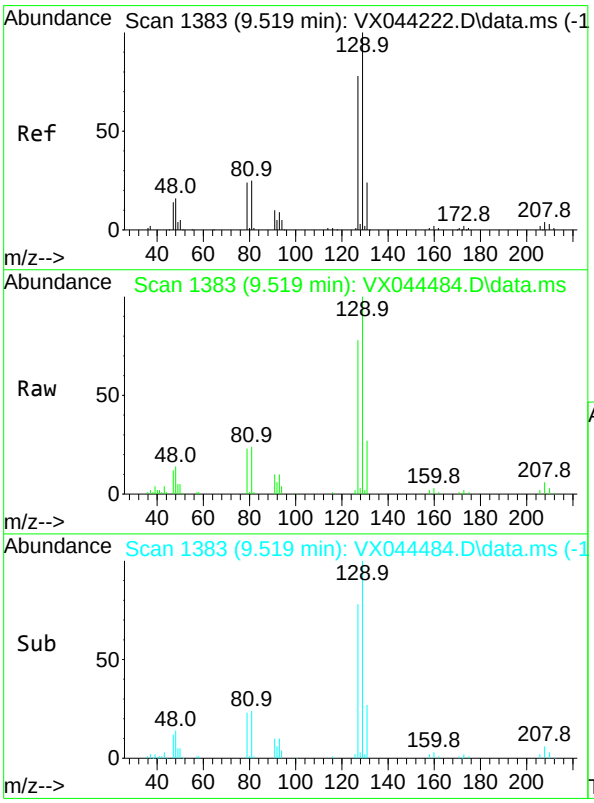
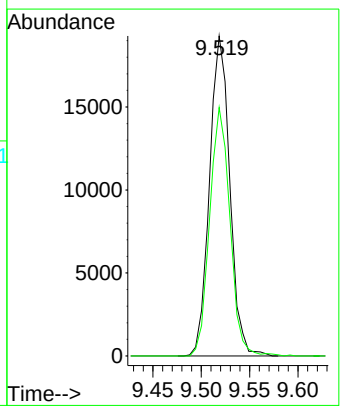


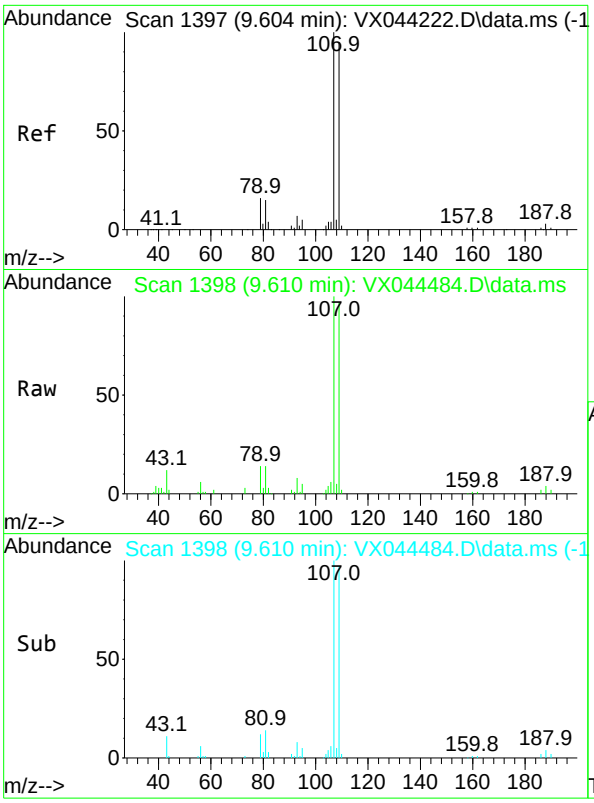




#60
Dibromochloromethane
Concen: 18.262 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:129 Resp: 28097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 38.5 | 115.3 |

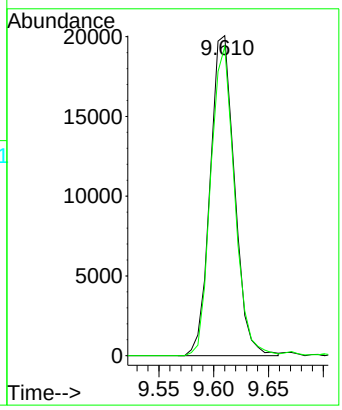





#61
1,2-Dibromoethane
Concen: 19.484 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:107 Resp: 3102

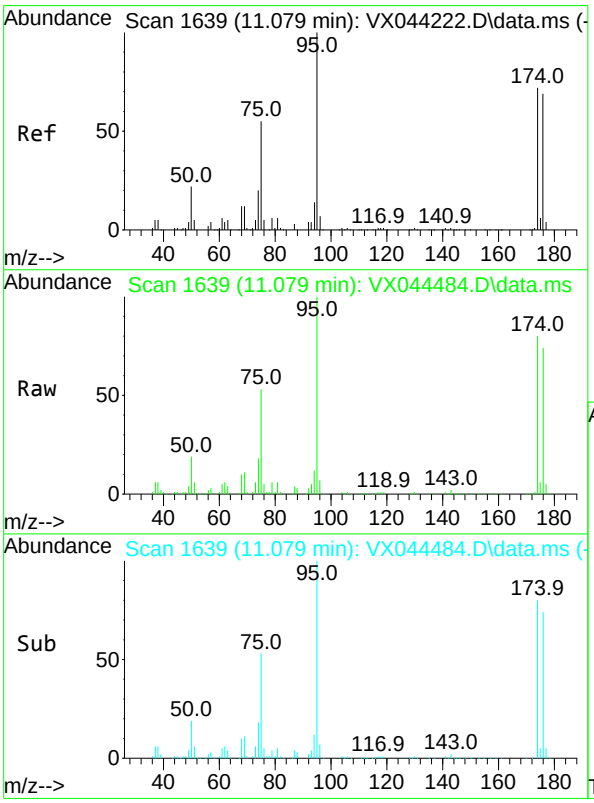
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

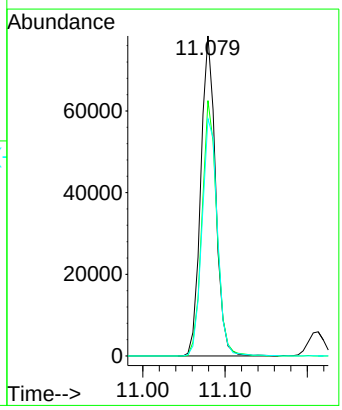
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

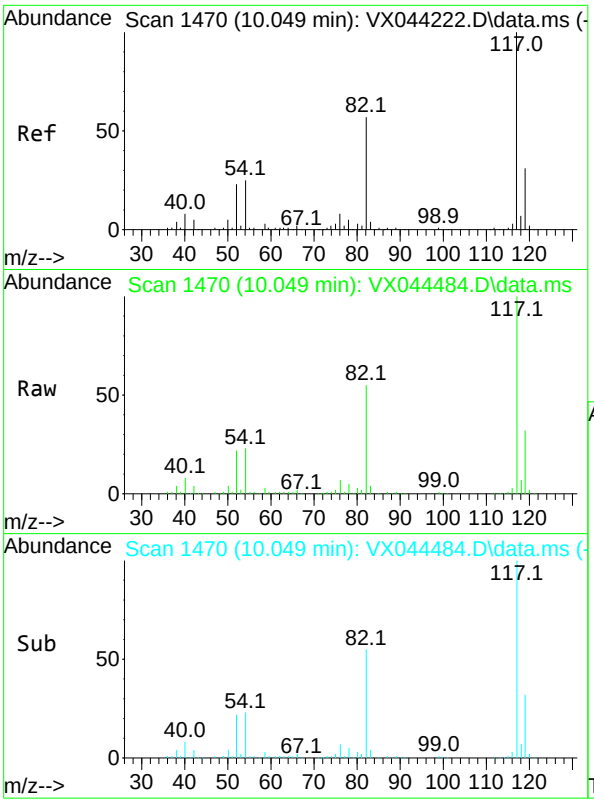



#62
4-Bromofluorobenzene
Concen: 52.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 95 Resp: 98037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.8 | 0.0 | 145.8 |
| 176 | 77.2 | 0.0 | 137.8 |

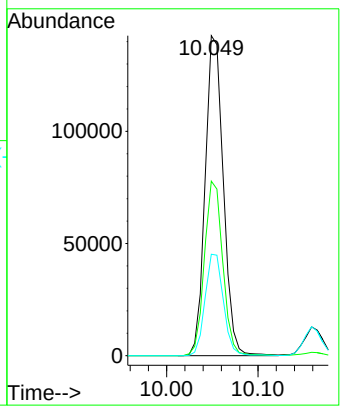





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:117 Resp: 19777

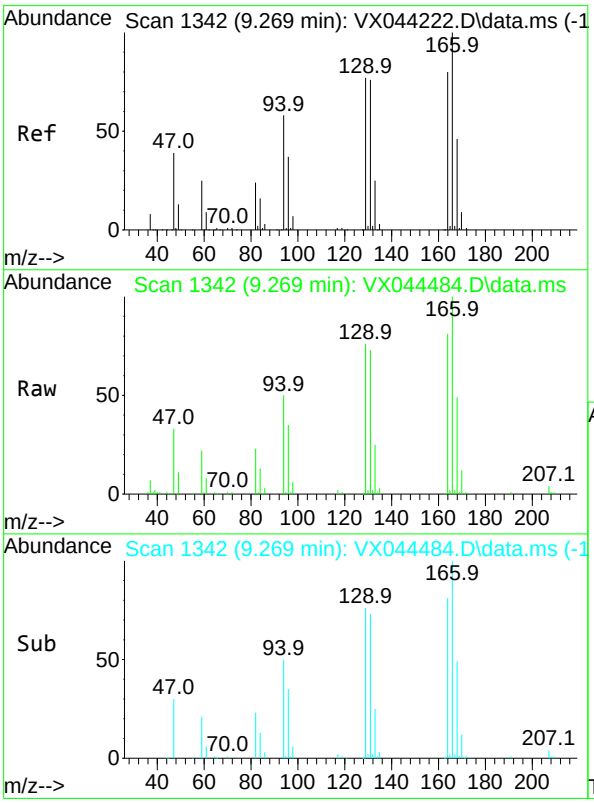
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.6 | 45.8 | 68.8 |
| 119 | 31.7 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

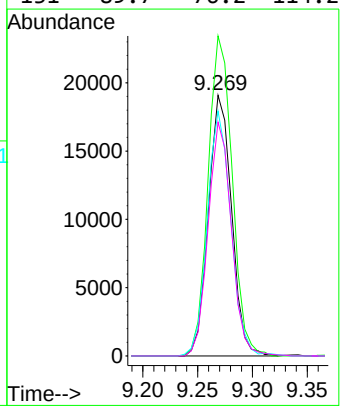
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

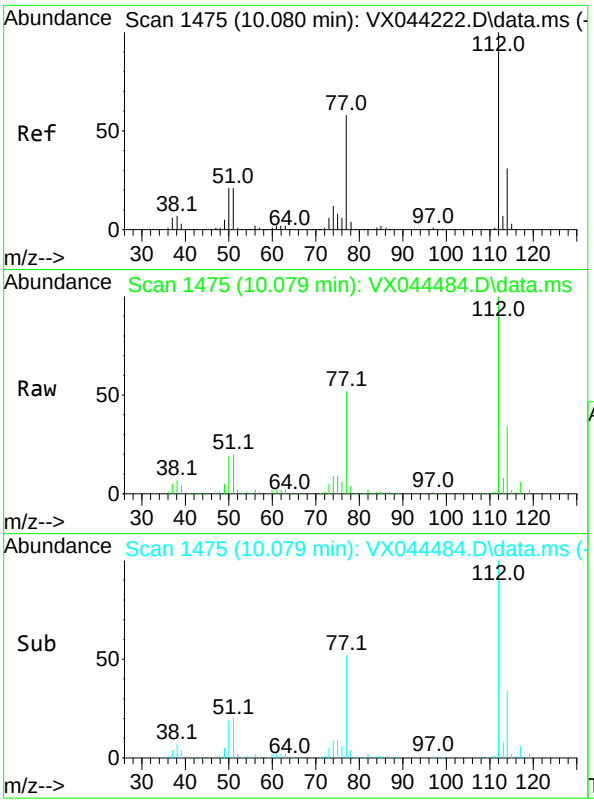



#64
Tetrachloroethene
Concen: 21.455 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:164 Resp: 28163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 122.8 | 100.4 | 150.6 |
| 129 | 93.9 | 77.2 | 115.8 |
| 131 | 89.7 | 76.2 | 114.2 |

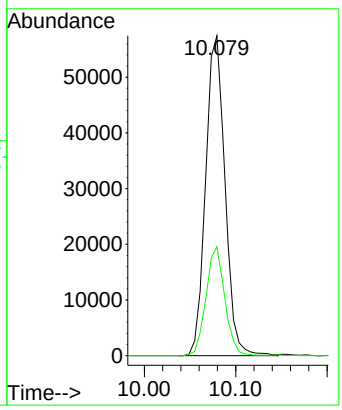





#65
Chlorobenzene
Concen: 19.887 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:112 Resp: 8427

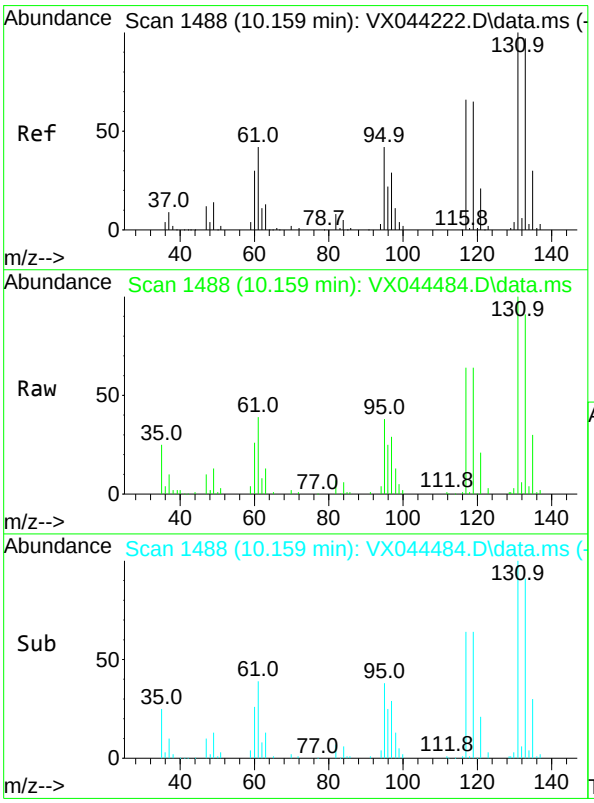
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 34.1 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

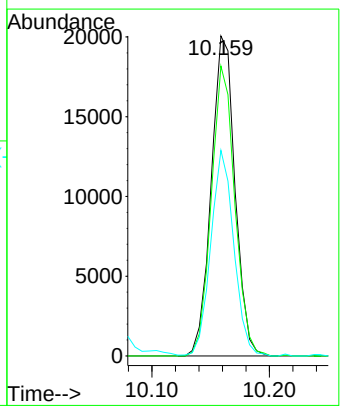
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

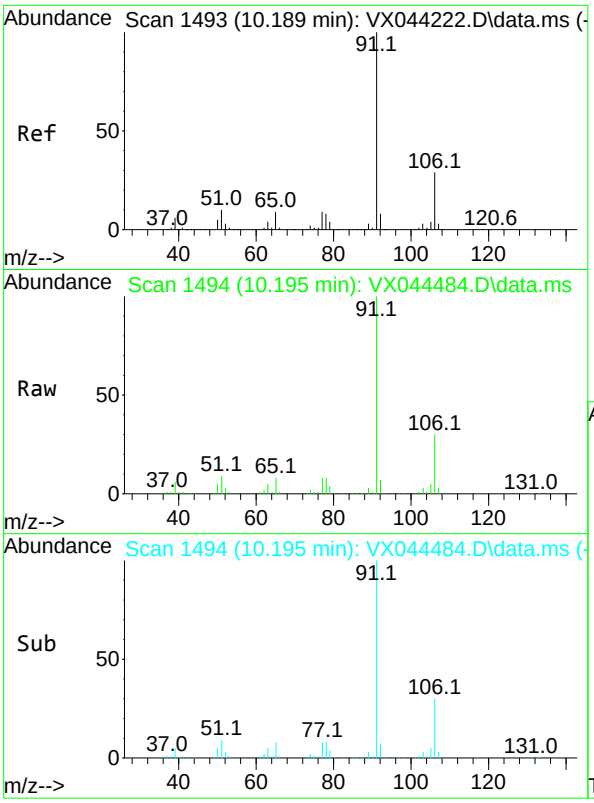



#66
1,1,1,2-Tetrachloroethane
Concen: 20.684 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:131 Resp: 28171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 89.6 | 47.3 | 141.8 |
| 119 | 62.3 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 19.568 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

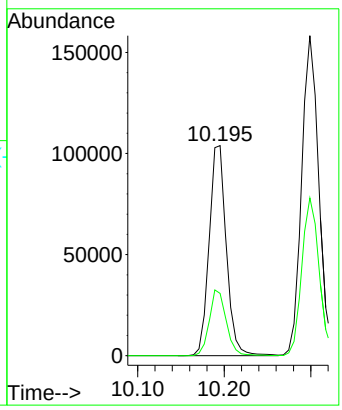
Tgt Ion: 91 Resp: 14328

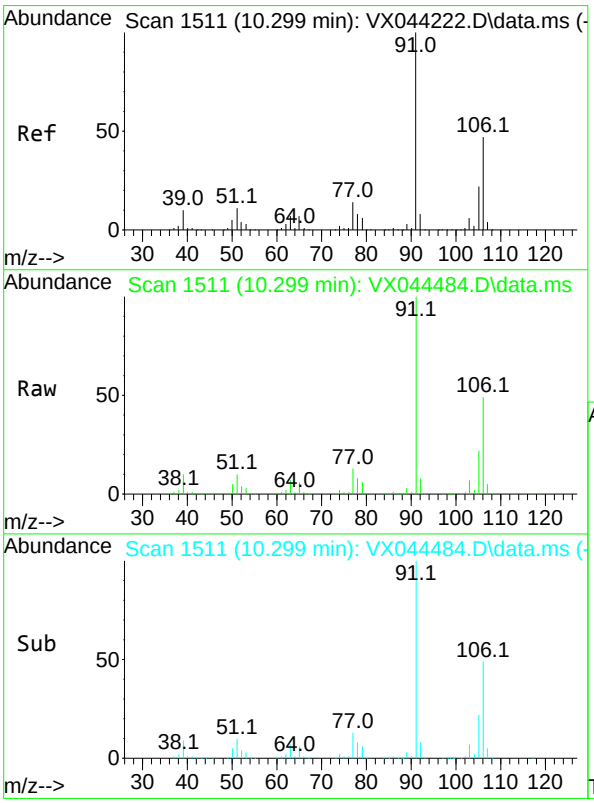
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 23.5 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

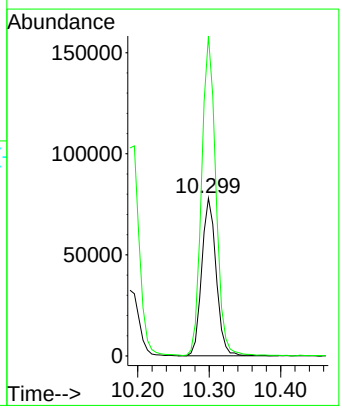


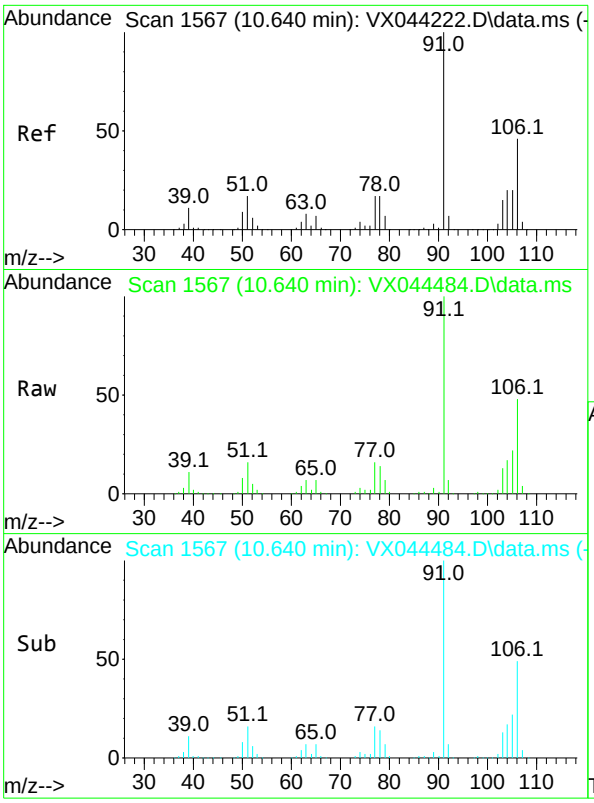




#68
m/p-Xylenes
Concen: 40.631 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:106 Resp: 109170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.8 | 170.2 | 255.2 |

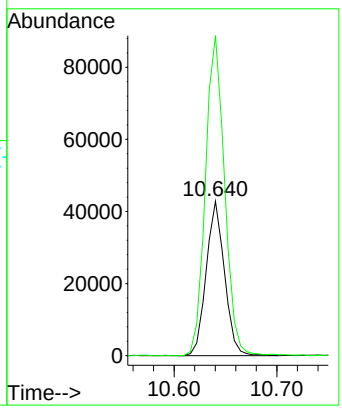





#69
o-Xylene
Concen: 19.517 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:106 Resp: 5305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.5 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
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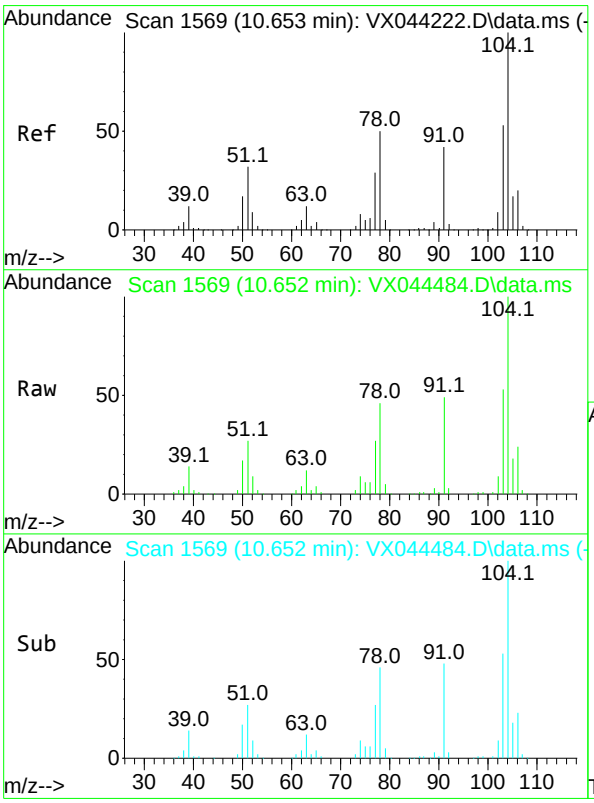
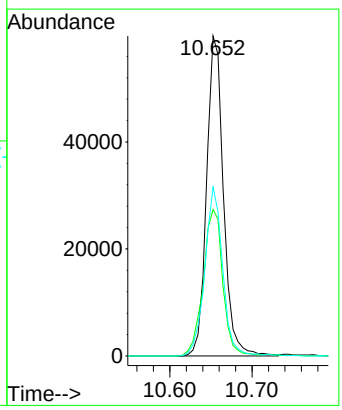
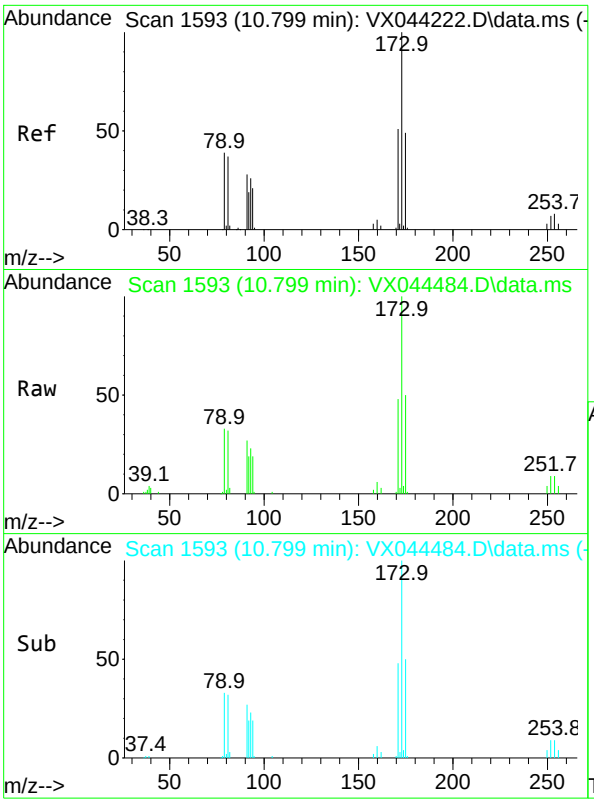



#70
Styrene
Concen: 19.580 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:104 Resp: 85331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.9 | 44.6 | 67.0 |
| 103 | 56.1 | 45.4 | 68.0 |

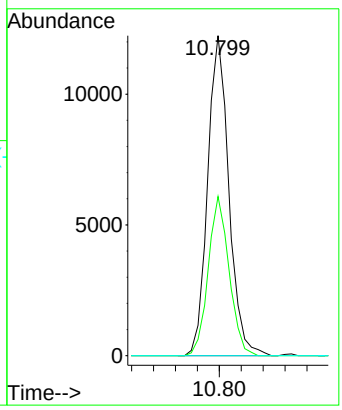





#71
Bromoform
Concen: 19.239 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:173 Resp: 1641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.0 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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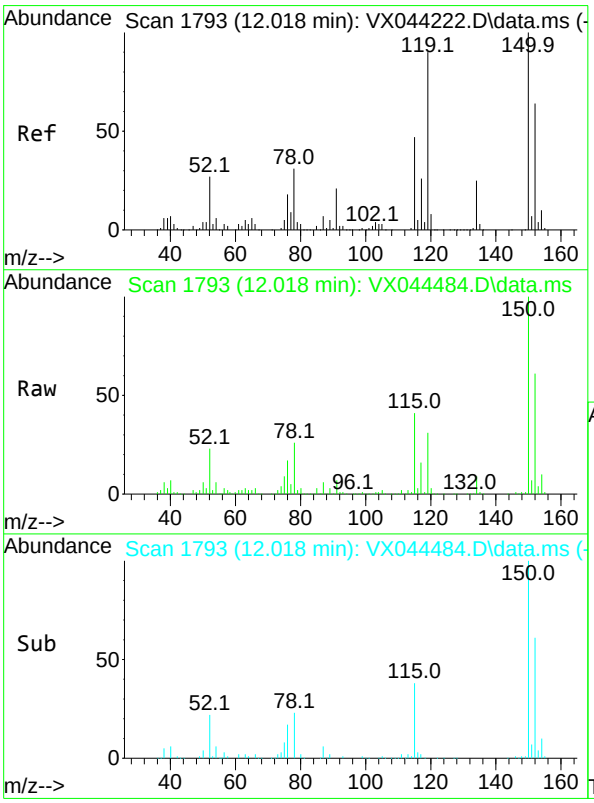
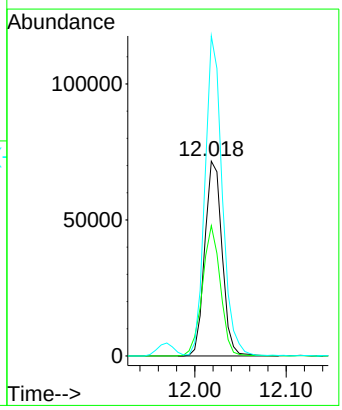
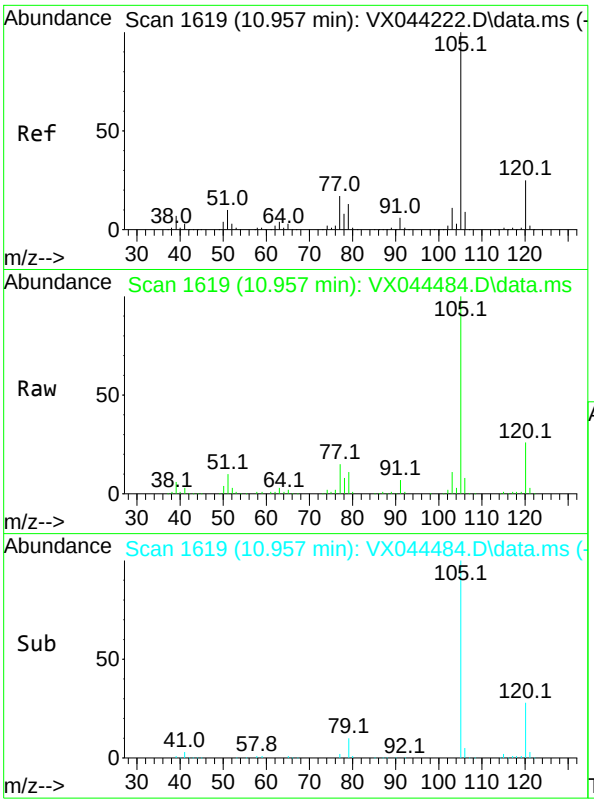



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:152 Resp: 93712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 69.6 | 44.5 | 133.3 |
| 150 | 163.6 | 0.0 | 353.8 |

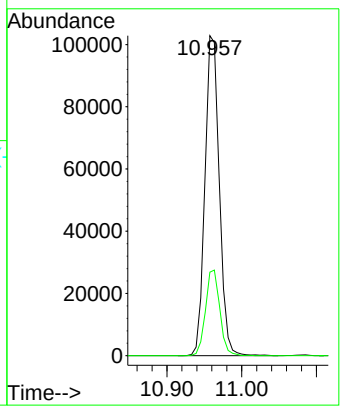





#73
Isopropylbenzene
Concen: 19.118 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:105 Resp: 13715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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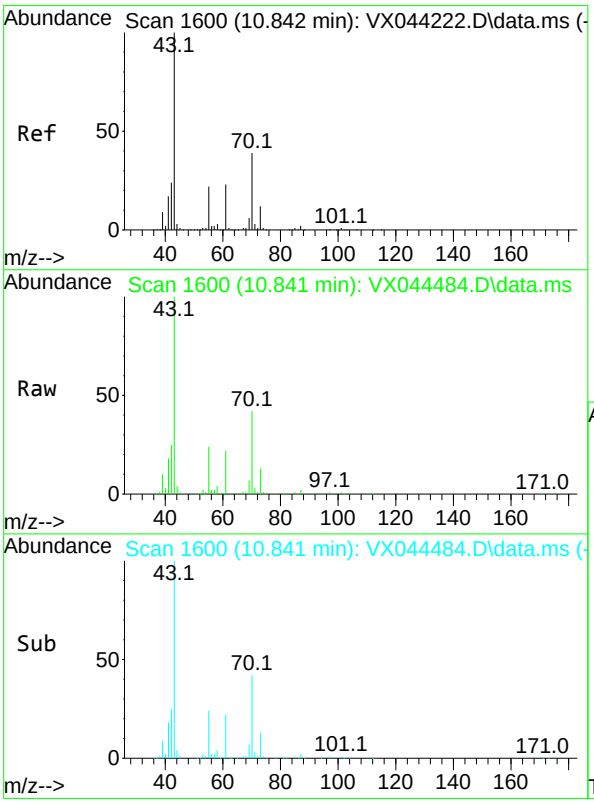
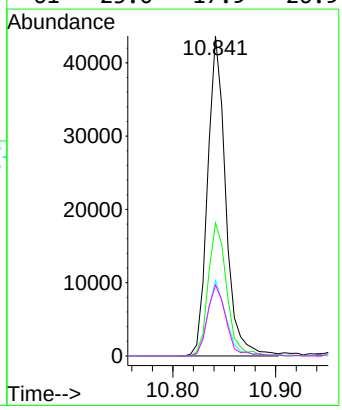
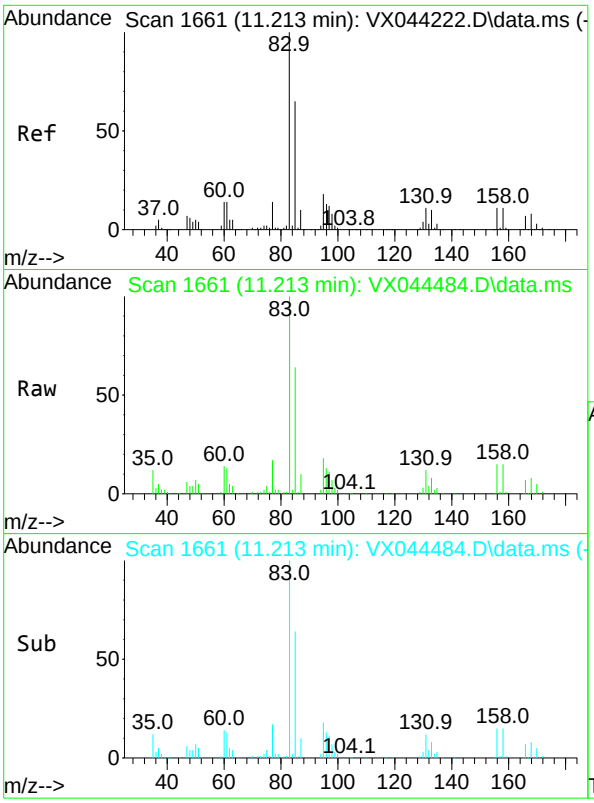



#74
N-amyl acetate
Concen: 16.102 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 53387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.7 | 31.9 | 47.9 |
| 55 | 24.4 | 17.9 | 26.9 |
| 61 | 23.0 | 17.9 | 26.9 |

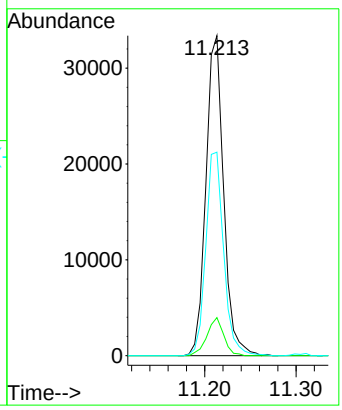





#75
1,1,2,2-Tetrachloroethane
Concen: 17.961 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 83 Resp: 4475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.3 | 5.1 | 15.4 |
| 85 | 64.5 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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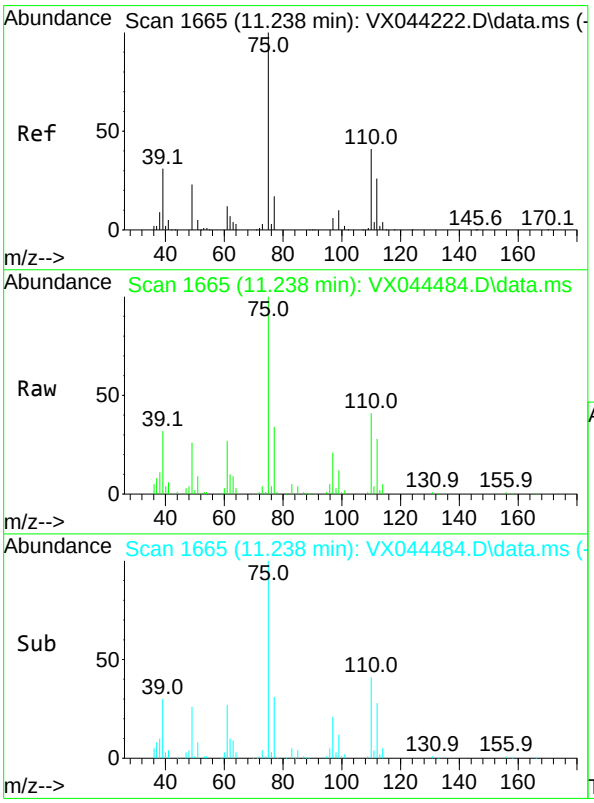
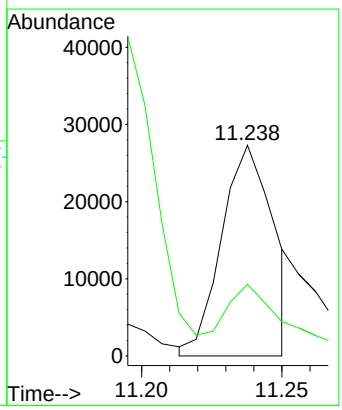
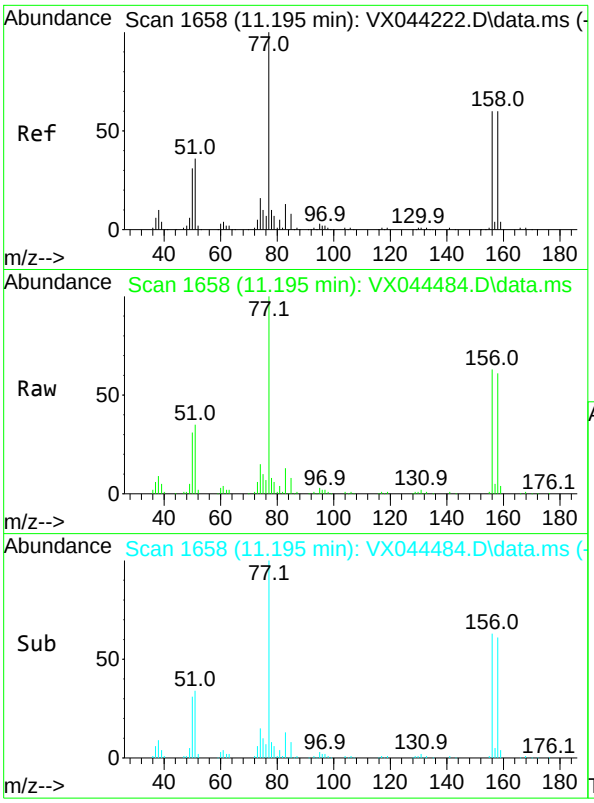



#76
1,2,3-Trichloropropane
Concen: 16.746 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 75 Resp: 35038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.4 | 20.9 | 62.7 |

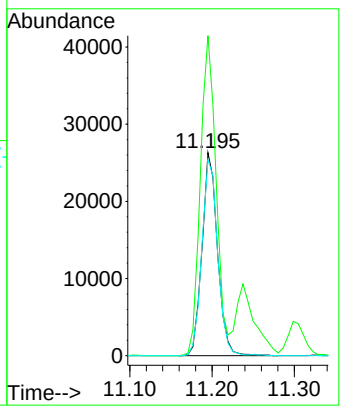





#77
Bromobenzene
Concen: 19.814 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:156 Resp: 3447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 160.0 | 82.6 | 247.8 |
| 158 | 98.8 | 48.8 | 146.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
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Reviewed By :John Carlone 12/26/2024
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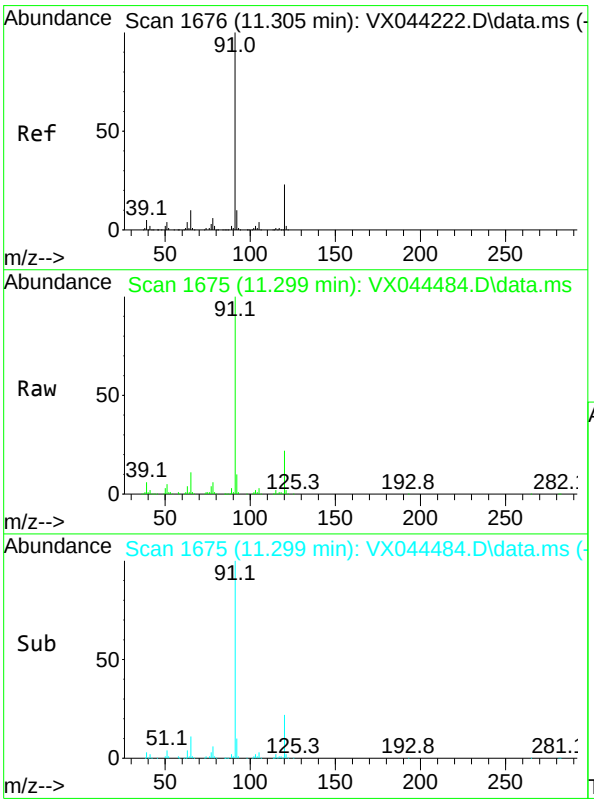
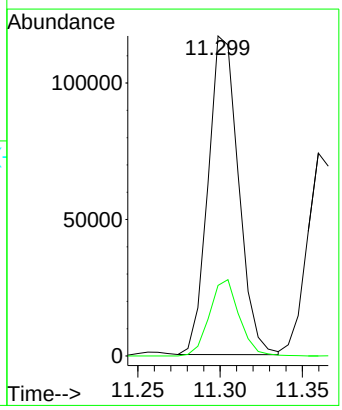
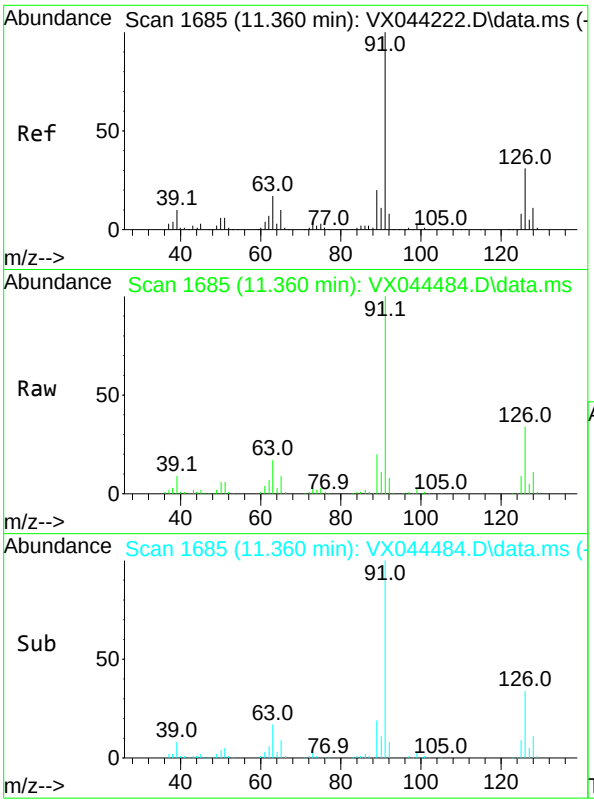



#78
n-propylbenzene
Concen: 18.943 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 91 Resp: 150204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.5 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 18.721 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

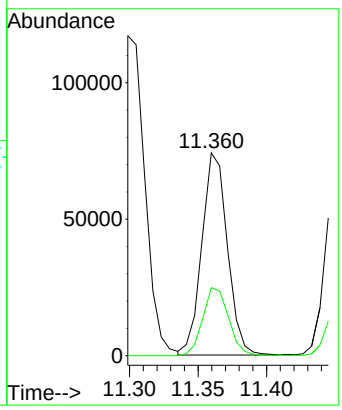
Tgt Ion: 91 Resp: 9600

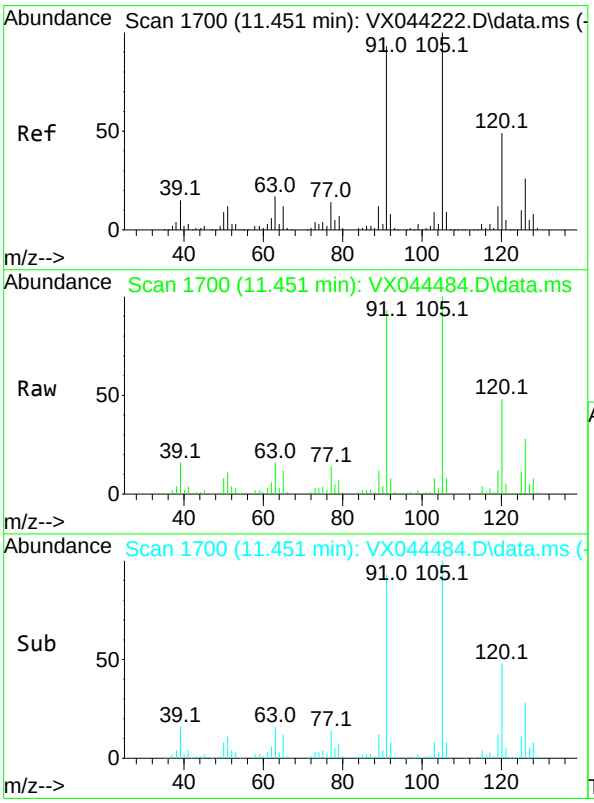
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.2 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

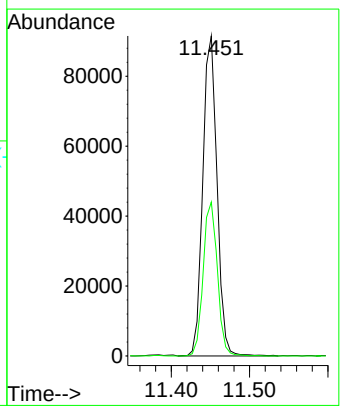


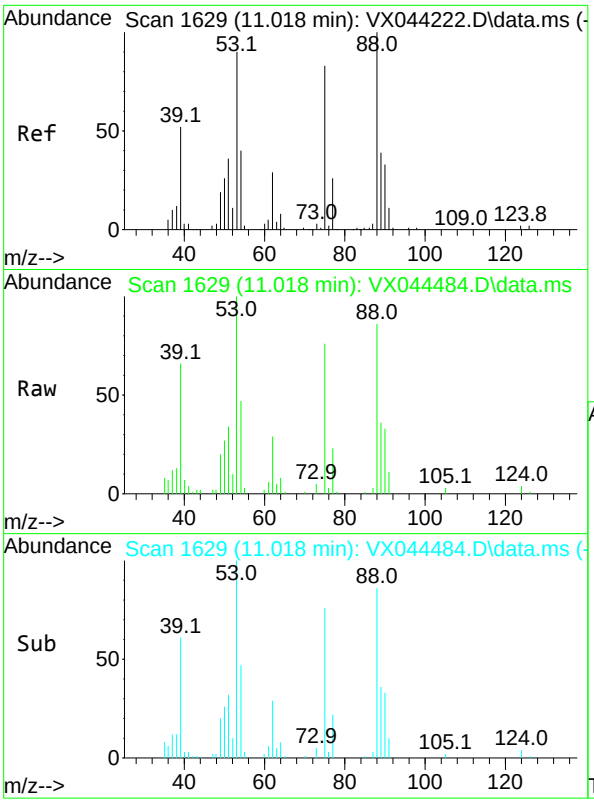




#80
1,3,5-Trimethylbenzene
Concen: 19.402 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:105 Resp: 115427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 17.567 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

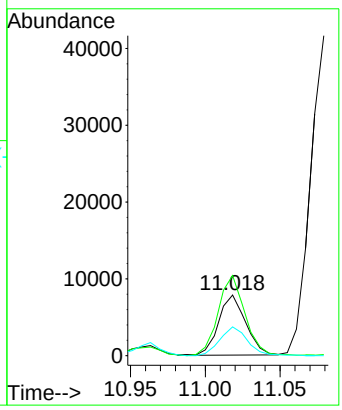
Tgt Ion: 75 Resp: 985

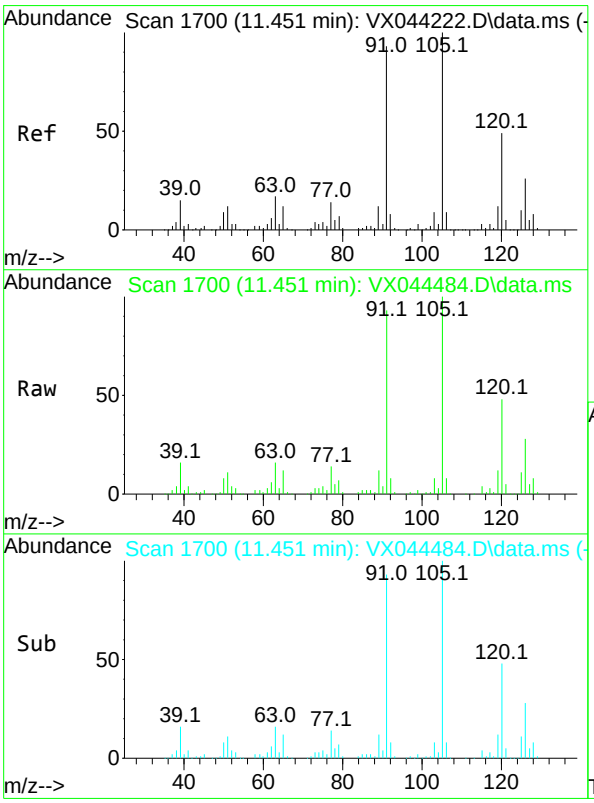
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 133.0 | 93.6 | 140.4 |
| 89 | 49.2 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

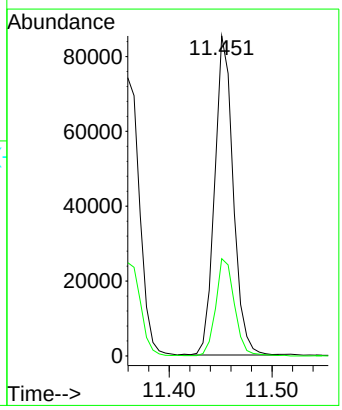


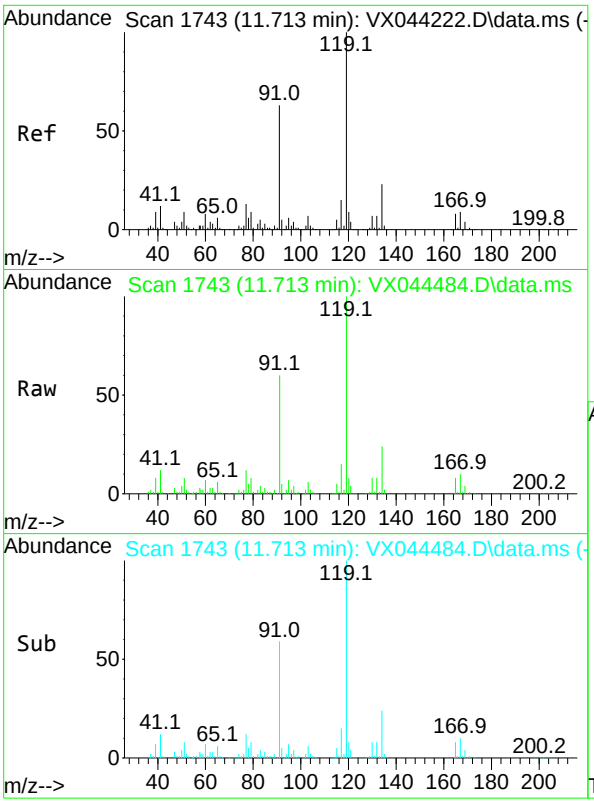




#82
4-Chlorotoluene
Concen: 18.769 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 91 Resp: 106582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.9 | 14.5 | 43.5 |

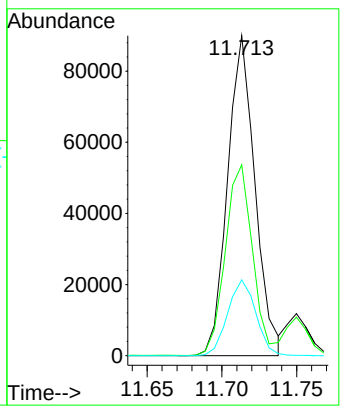





#83
tert-Butylbenzene
Concen: 19.509 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:119 Resp: 11470

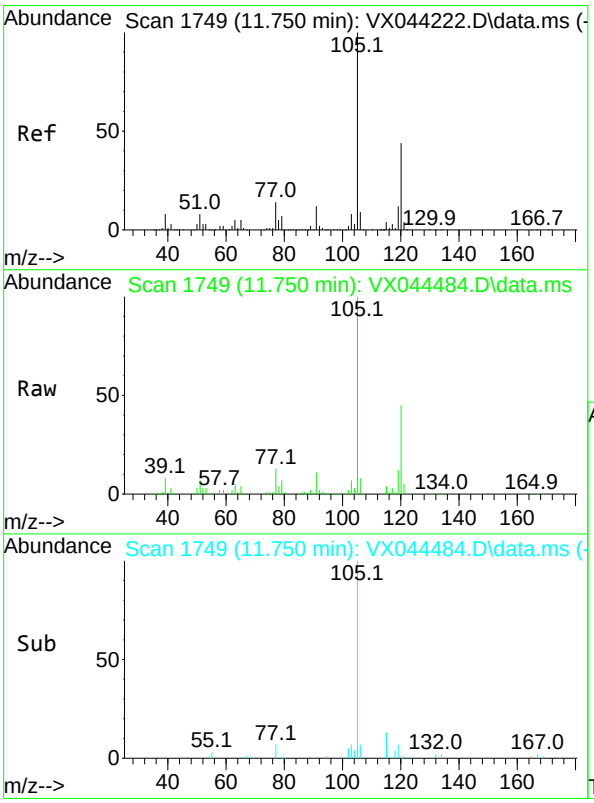
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.8 | 30.9 | 92.5 |
| 134 | 24.4 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

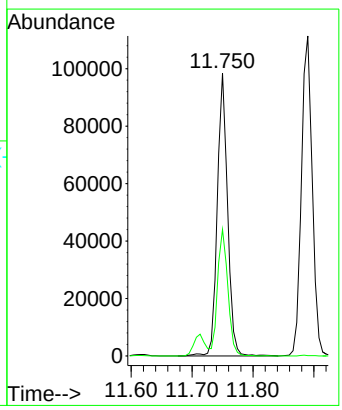
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

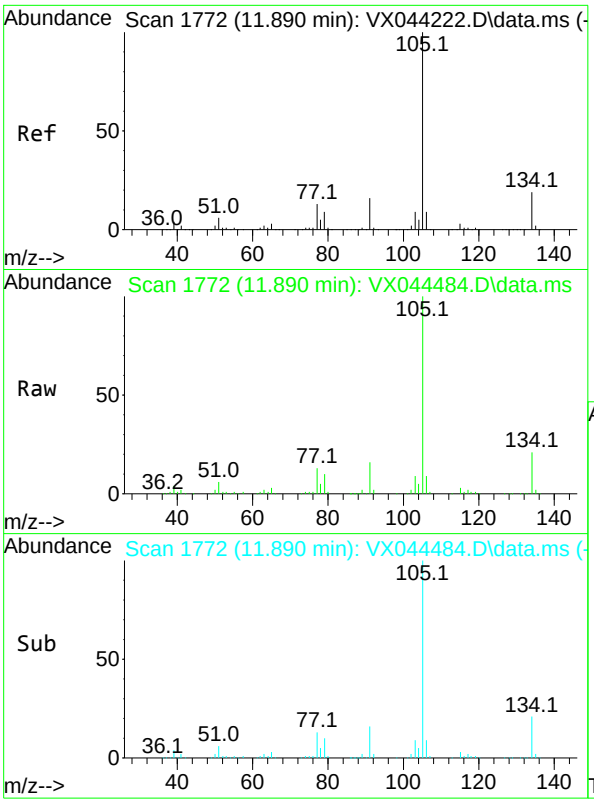



#84
1,2,4-Trimethylbenzene
Concen: 19.684 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:105 Resp: 115005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 21.7 | 65.1 |

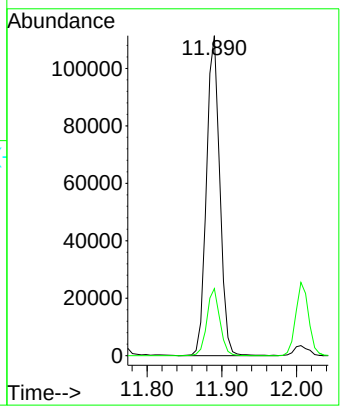





#85
sec-Butylbenzene
Concen: 19.303 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:105 Resp: 13777

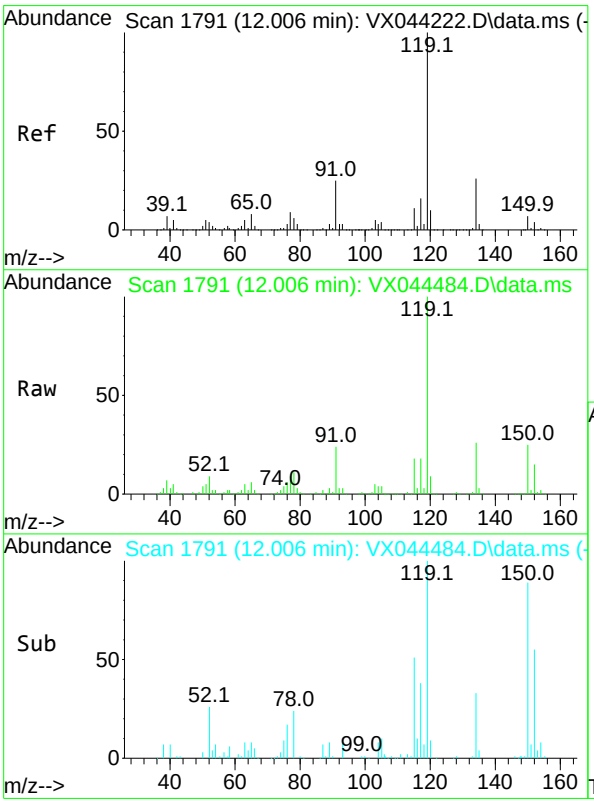
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

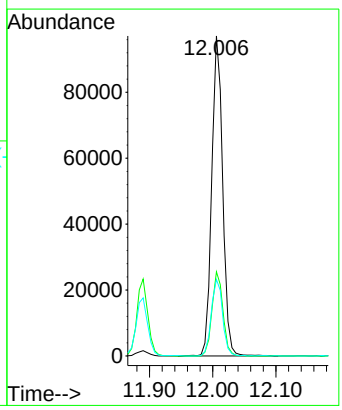
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

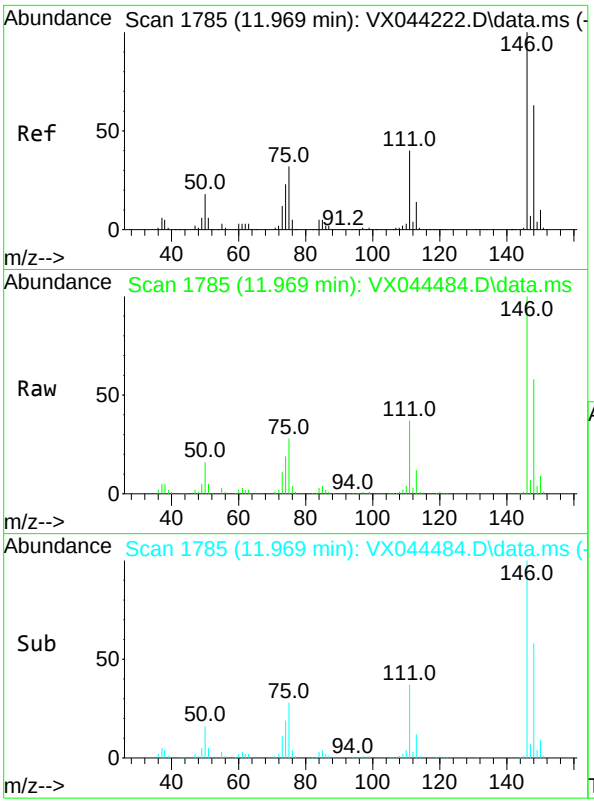



#86
p-Isopropyltoluene
Concen: 19.696 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:119 Resp: 117010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |

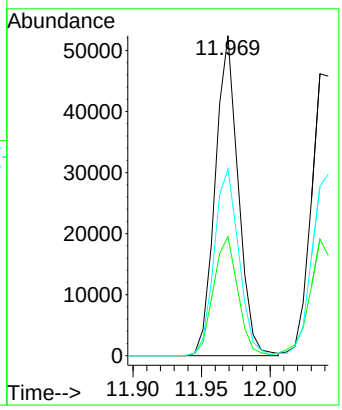





#87
1,3-Dichlorobenzene
Concen: 20.152 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:146 Resp: 6123

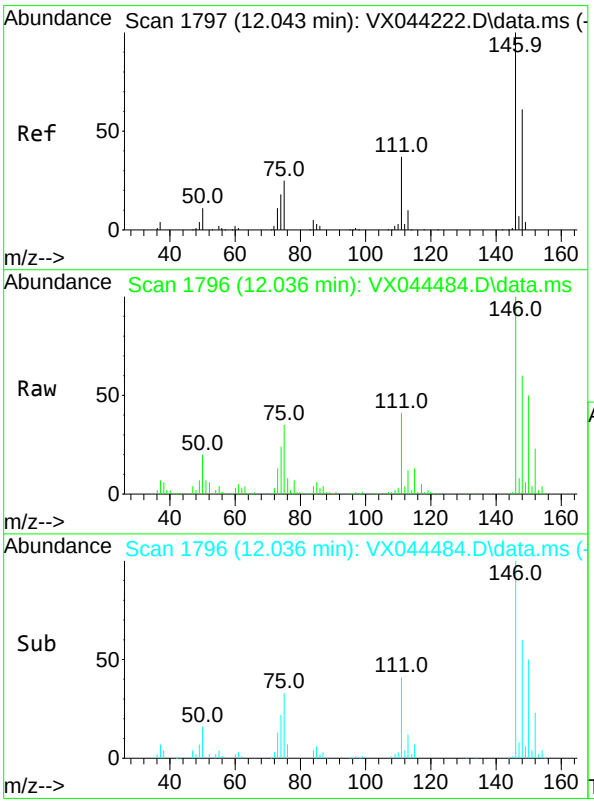
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.6 | 21.4 | 64.2 |
| 148 | 62.4 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

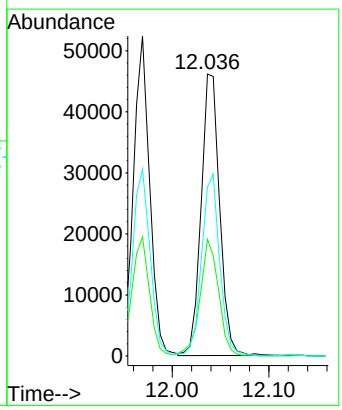
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

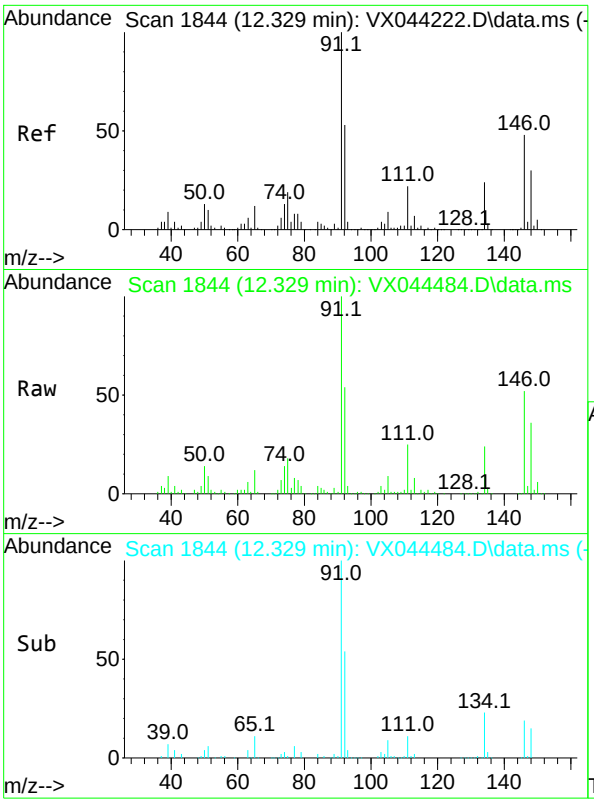



#88
1,4-Dichlorobenzene
Concen: 19.723 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:146 Resp: 61611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.0 | 63.0 |
| 148 | 63.4 | 32.3 | 96.8 |

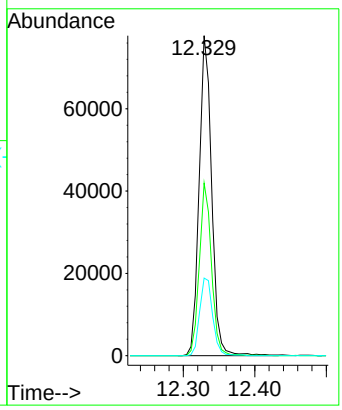





#89
n-Butylbenzene
Concen: 18.892 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 91 Resp: 9437

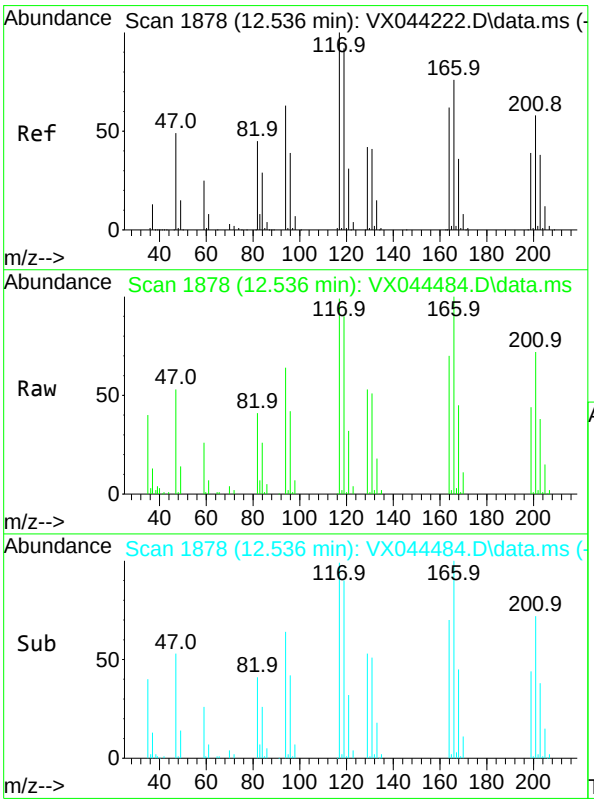
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 26.6 | 79.7 |
| 134 | 25.2 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

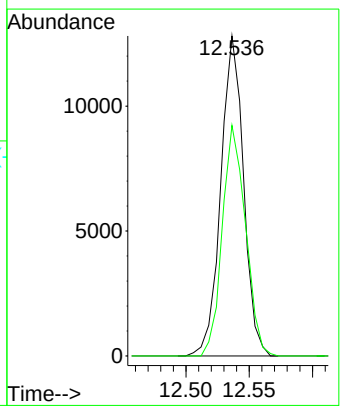
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

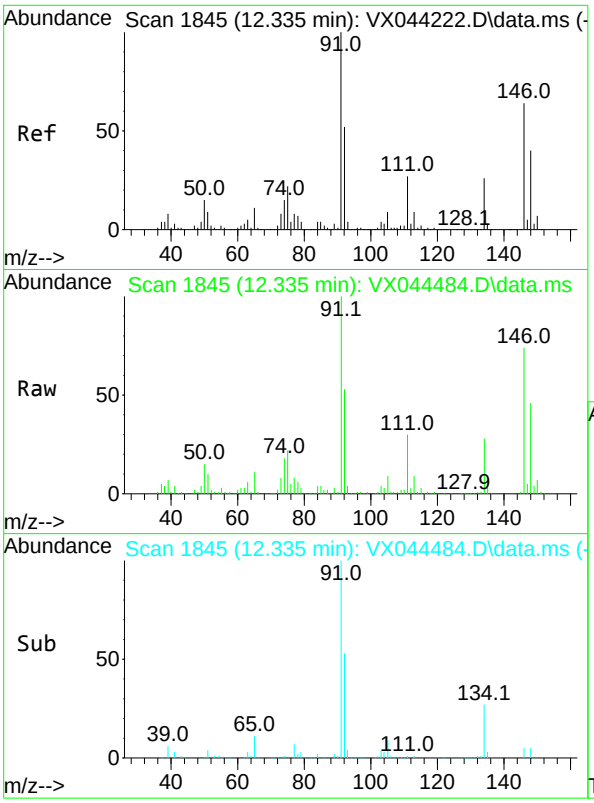



#90
Hexachloroethane
Concen: 18.440 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:117 Resp: 15991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 73.5 | 31.4 | 94.2 |

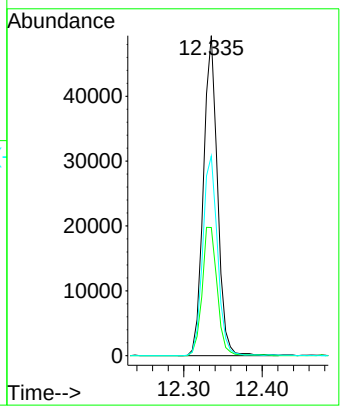





#91
1,2-Dichlorobenzene
Concen: 19.510 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:146 Resp: 6155

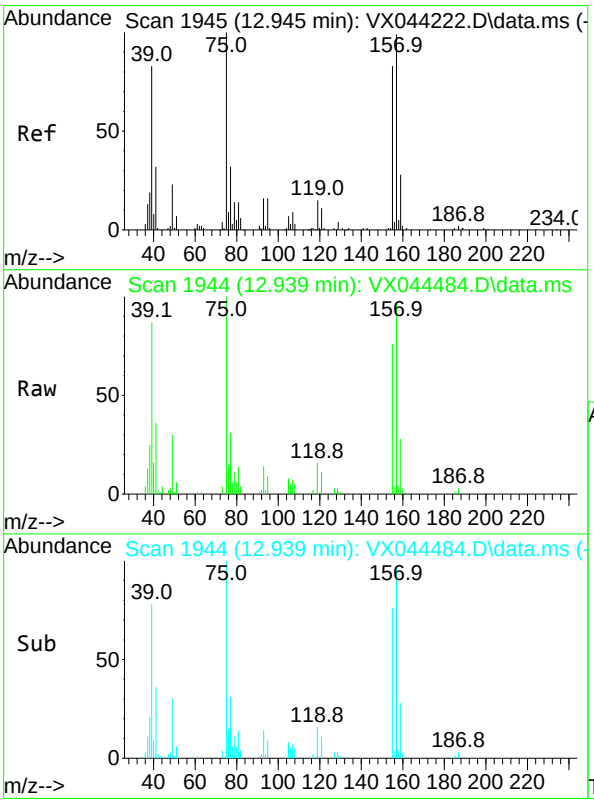
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.4 | 64.3 |
| 148 | 65.4 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

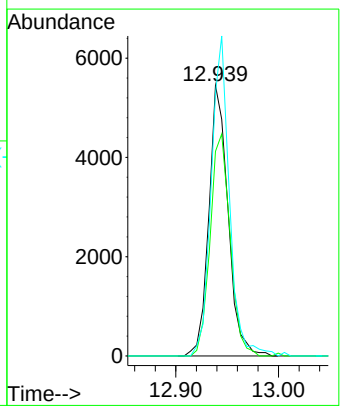
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

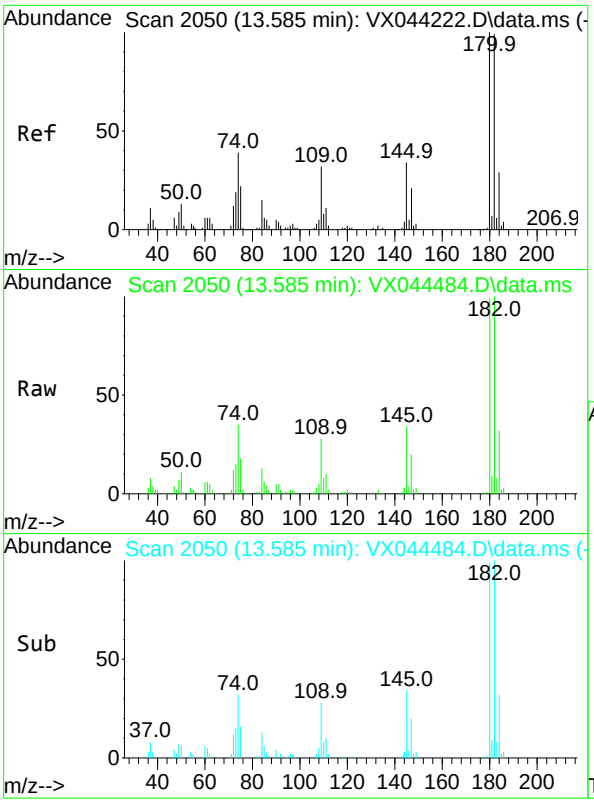



#92
1,2-Dibromo-3-Chloropropane
Concen: 14.697 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 75 Resp: 7109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.7 | 38.1 | 114.3 |
| 157 | 111.6 | 47.2 | 141.6 |

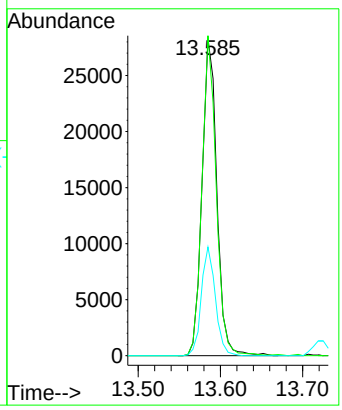





#93
1,2,4-Trichlorobenzene
Concen: 20.453 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:180 Resp: 3538

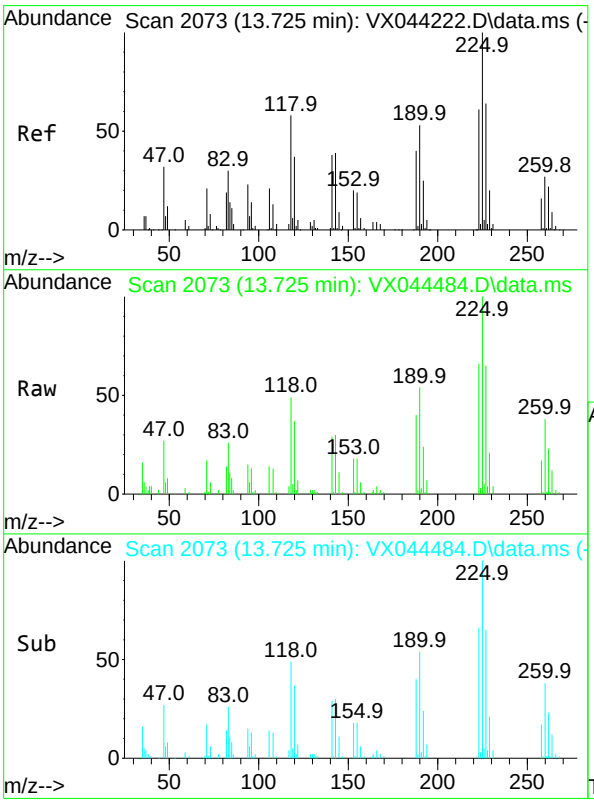
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 48.0 | 144.2 |
| 145 | 32.5 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

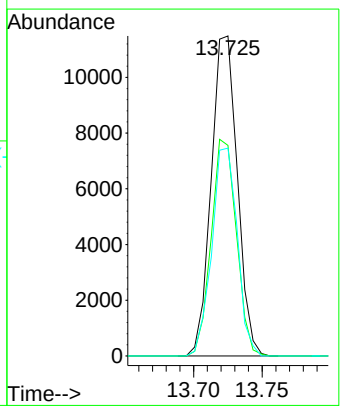
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024

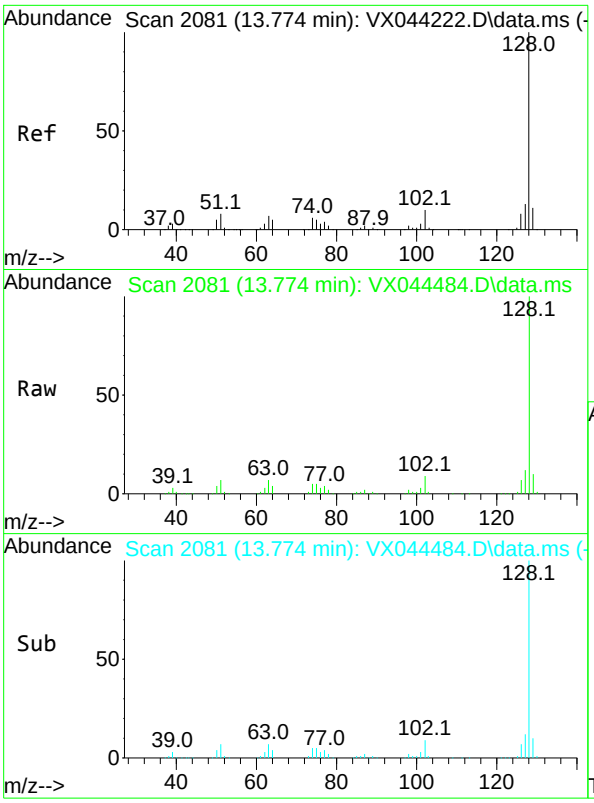



#94
Hexachlorobutadiene
Concen: 21.877 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:225 Resp: 15222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.4 | 30.8 | 92.4 |
| 227 | 63.3 | 32.1 | 96.3 |

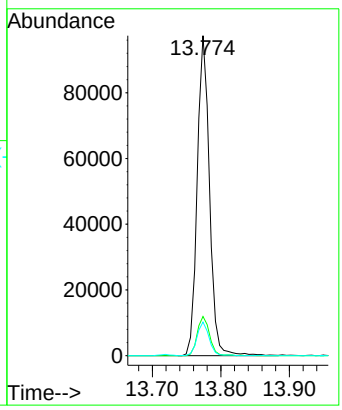





#95
Naphthalene
Concen: 18.005 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:128 Resp: 12157

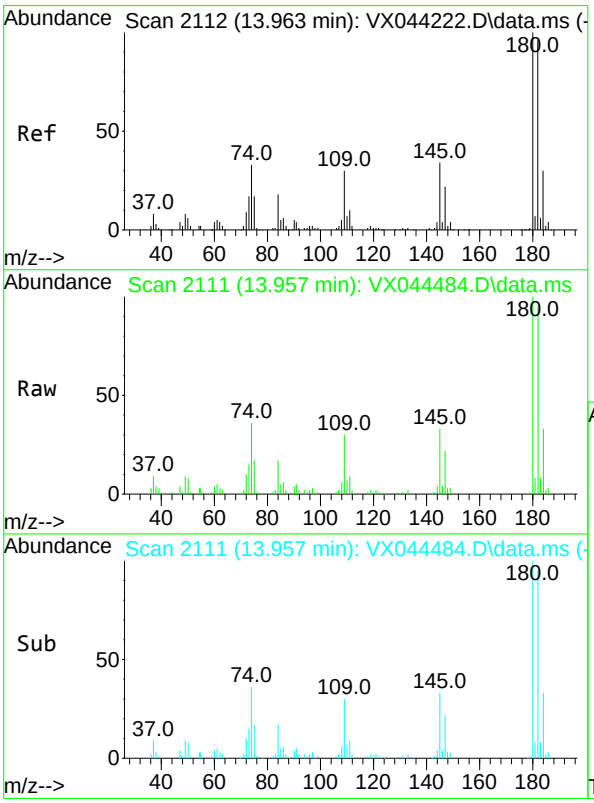
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.2 | 10.5 | 15.7 |
| 129 | 10.3 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1223WBS03

**Manual Integrations**
**APPROVED**

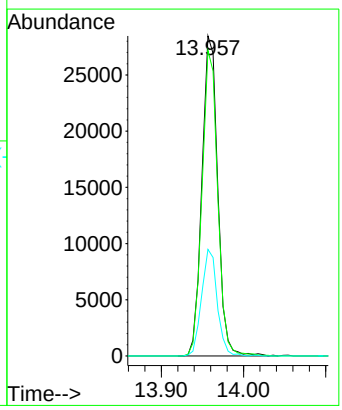
Reviewed By :John Carlone 12/26/2024
Supervised By :Mahesh Dadoda 12/26/2024




#96
1,2,3-Trichlorobenzene
Concen: 20.704 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:180 Resp: 37987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 48.0 | 144.0 |
| 145 | 33.0 | 17.7 | 53.1 |



Raw Data: **VX044543.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1231WBS01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1231WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044543.D | 1 | | 12/30/24 14:54 | VX123124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 16.4 | | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 15.8 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 16.6 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 15.6 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 17.2 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 14.9 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 18.2 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.6 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 74.3 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 14.7 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 16.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 17.6 | | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 17.4 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 17.2 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 17.4 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 16.4 | | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 80.3 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.9 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 17.2 | | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 16.9 | | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 16.8 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 16.9 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 19.1 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 19.3 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 18.7 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 19.9 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 18.8 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 18.7 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 90.7 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 18.9 | | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044543.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1231WBS01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1231WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044543.D | 1 | | 12/30/24 14:54 | VX123124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 17.9 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.2 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.2 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 91.0 | | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 18.8 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 20.0 | | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 20.7 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 19.3 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 19.0 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 39.4 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 19.1 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 19.5 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 20.0 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 19.5 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 19.4 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.5 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 20.0 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 19.4 | | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 16.6 | | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.7 | | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20.6 | | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 42.4 | | 81 - 118 | | 85% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.2 | | 80 - 119 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.7 | | 89 - 112 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.1 | | 85 - 114 | | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 154000 | 5.543 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 254000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 220000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 101000 | 12.024 | | | | |

Raw Data: **VX044543.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX1231WBS01 | SDG No.: | P5317 |
| Lab Sample ID: | VX1231WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044543.D | 1 | | 12/30/24 14:54 | VX123124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 153746 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 254154 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 219785 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 100843 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 114312 | 42.406 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 84.820% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 90038 | 51.151 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.300% | | | |
| 50) Toluene-d8 | 8.646 | 98 | 301165 | 50.713 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.420% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 103985 | 50.111 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.220% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 39021 | 16.414 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 36025 | 15.847 | ug/l | 97 |
| 4) Vinyl Chloride | 1.373 | 62 | 39305 | 16.596 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 26141 | 15.558 | ug/l | 99 |
| 6) Chloroethane | 1.666 | 64 | 25379 | 17.209 | ug/l | 91 |
| 7) Trichlorofluoromethane | 1.873 | 101 | 69078 | 14.898 | ug/l | 100 |
| 8) Diethyl Ether | 2.135 | 74 | 28126 | 17.771 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 34139 | 18.196 | ug/l | 94 |
| 10) Methyl Iodide | 2.440 | 142 | 44638 | 18.052 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.983 | 59 | 30824 | 81.134 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 31973 | 18.553 | ug/l | 94 |
| 13) Acrolein | 2.233 | 56 | 65679 | 119.429 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 47046 | 16.390 | ug/l | 97 |
| 15) Acrylonitrile | 3.068 | 53 | 91236 | 86.695 | ug/l | 98 |
| 16) Acetone | 2.385 | 43 | 81705 | 74.346 | ug/l | 96 |
| 17) Carbon Disulfide | 2.501 | 76 | 48174 | 14.706 | ug/l | 99 |
| 18) Methyl Acetate | 2.702 | 43 | 49803 | 17.576 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 111711 | 16.611 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 35960 | 17.421 | ug/l | 92 |
| 21) trans-1,2-Dichloroethene | 3.080 | 96 | 31555 | 17.229 | ug/l | 94 |
| 22) Diisopropyl ether | 3.763 | 45 | 105148 | 16.268 | ug/l | 95 |
| 23) Vinyl Acetate | 3.720 | 43 | 443441 | 84.386 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 62553 | 17.362 | ug/l | 97 |
| 25) 2-Butanone | 4.562 | 43 | 125426 | 80.280 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 50413 | 17.223 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 39939 | 17.170 | ug/l | 95 |
| 28) Bromochloromethane | 4.897 | 49 | 29914 | 16.932 | ug/l | 94 |
| 29) Tetrahydrofuran | 5.007 | 42 | 80671 | 80.443 | ug/l | 97 |
| 30) Chloroform | 5.086 | 83 | 68047 | 16.810 | ug/l | 100 |
| 31) Cyclohexane | 5.458 | 56 | 47583 | 16.355 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 56892 | 16.931 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 41811 | 18.376 | ug/l | 97 |
| 37) Ethyl Acetate | 4.720 | 43 | 48902 | 17.387 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 46337 | 18.916 | ug/l | 99 |
| 39) Methylcyclohexane | 7.372 | 83 | 52019 | 19.124 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 133403 | 19.310 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.921 | 41 | 26206 | 17.547 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 53308 | 18.732 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 77717 | 17.679 | ug/l | | 97 |
| 44) Trichloroethene | 7.122 | 130 | 34218 | 19.862 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33258 | 18.843 | ug/l | | 99 |
| 46) Dibromomethane | 7.580 | 93 | 26469 | 19.331 | ug/l | | 93 |
| 47) Bromodichloromethane | 7.817 | 83 | 44308 | 18.736 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.695 | 41 | 38081 | 17.845 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 11920m | 336.907 | ug/l | | |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 256481 | 90.739 | ug/l | | 99 |
| 52) Toluene | 8.713 | 92 | 81853 | 18.868 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 42464 | 17.946 | ug/l | | 92 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 49386 | 19.180 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.152 | 97 | 34756 | 20.166 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 48658 | 17.884 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 57049 | 19.017 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 113825 | 82.945 | ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 186080 | 90.950 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.518 | 129 | 31945 | 18.797 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 35083 | 19.998 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.268 | 164 | 30154 | 20.671 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 91014 | 19.326 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 10.164 | 131 | 30176 | 19.937 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 154584 | 18.997 | ug/l | | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 117637 | 39.398 | ug/l | | 95 |
| 69) o-Xylene | 10.640 | 106 | 57605 | 19.067 | ug/l | | 97 |
| 70) Styrene | 10.652 | 104 | 94578 | 19.528 | ug/l | | 97 |
| 71) Bromoform | 10.798 | 173 | 19071 | 20.029 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 150815 | 19.536 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 60883 | 17.065 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 52073 | 19.420 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 42245m | 18.762 | ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 38364 | 20.493 | ug/l | | 92 |
| 78) n-propylbenzene | 11.304 | 91 | 163660 | 19.181 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.365 | 91 | 104313 | 18.903 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 125956 | 19.674 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 12327 | 19.517 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 115520 | 18.905 | ug/l | | 96 |
| 83) tert-Butylbenzene | 11.713 | 119 | 124037 | 19.605 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 125891 | 20.023 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 152233 | 19.820 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 126730 | 19.824 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 66973 | 20.481 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 67120 | 19.967 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 102486 | 19.065 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 17305 | 18.544 | ug/l | | 87 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 65715 | 19.354 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75 | 8617 | 16.555 | ug/l | | 90 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 38478 | 20.671 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 16427 | 21.939 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 134577 | 18.521 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 40587 | 20.557 | ug/l | | 99 |

Sample Results: **VX044543.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

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

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

Sample Results: **VX044543.D**

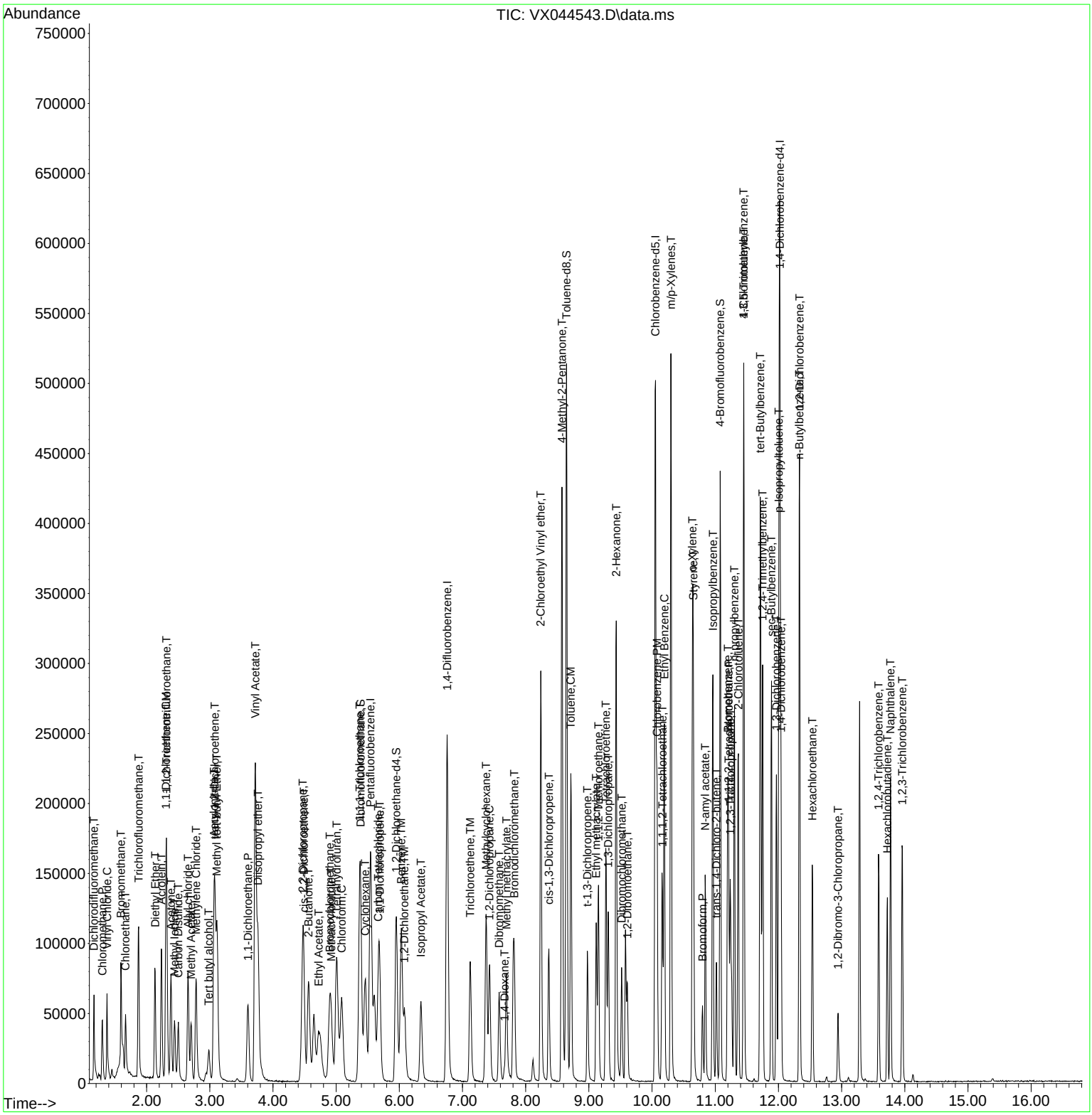
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

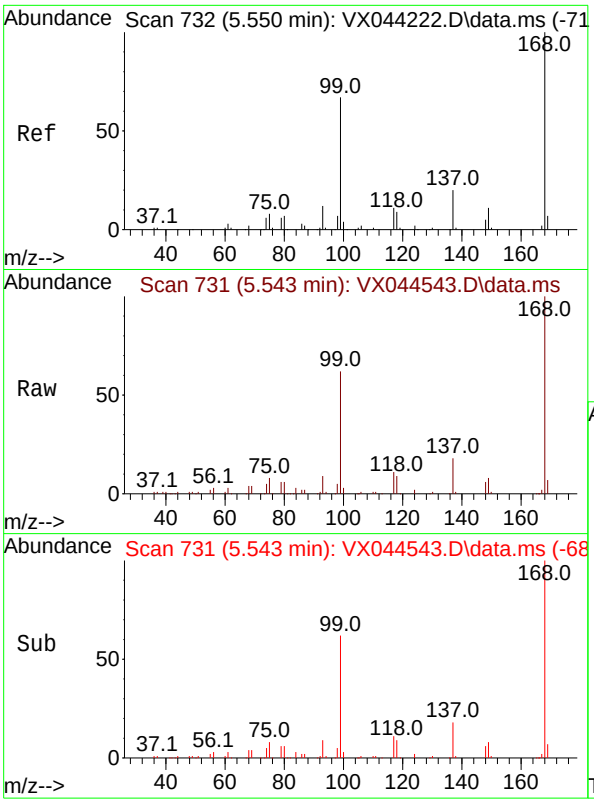
Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

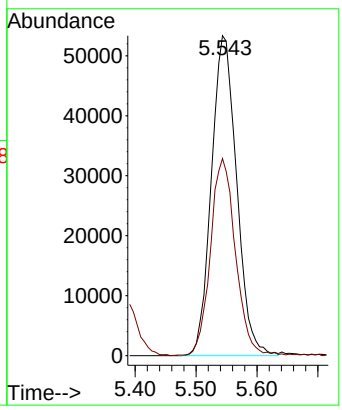





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:168 Resp: 15374

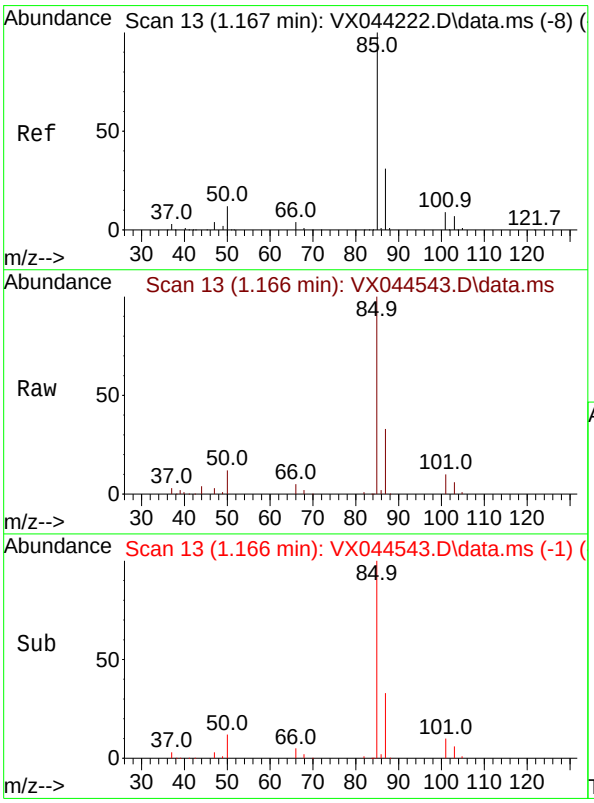
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.4 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

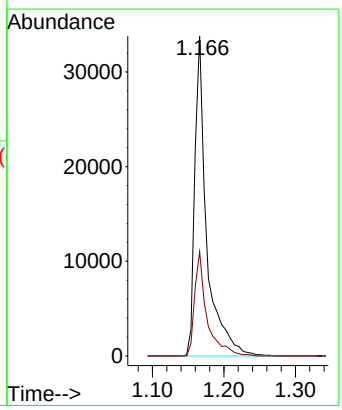
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

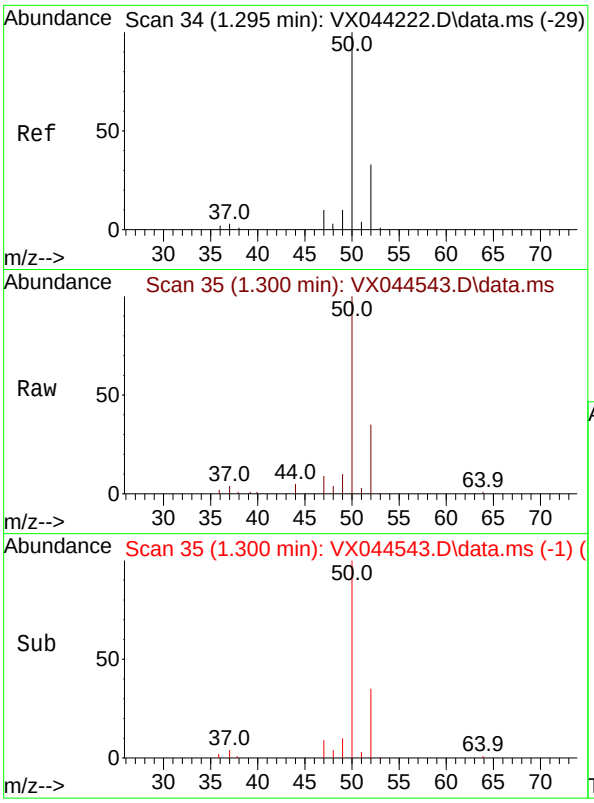



#2
Dichlorodifluoromethane
Concen: 16.414 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 85 Resp: 39021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 15.4 | 46.4 |

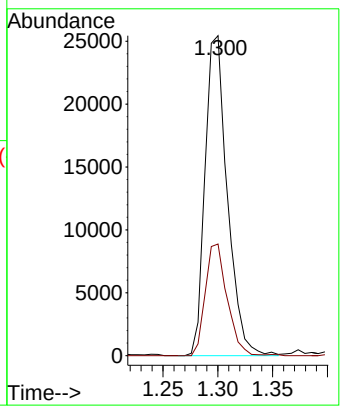





#3
Chloromethane
Concen: 15.847 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 50 Resp: 3602

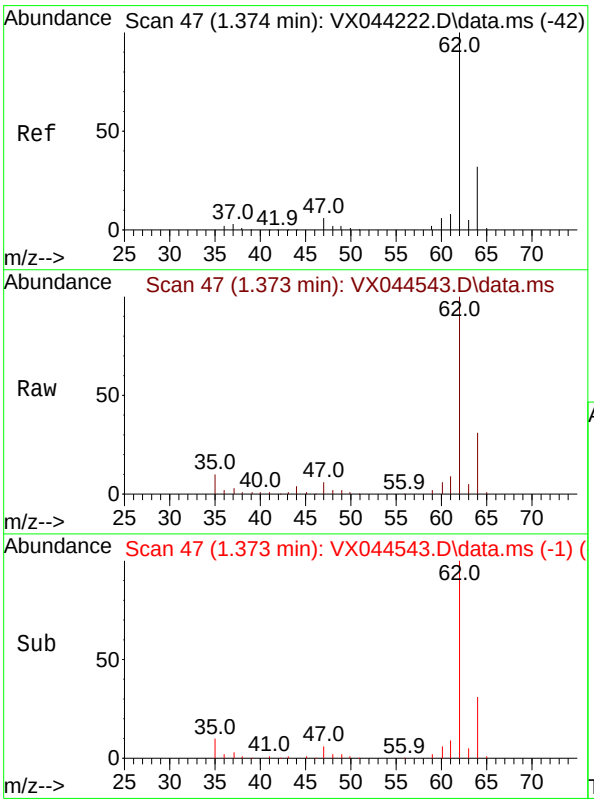
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.9 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

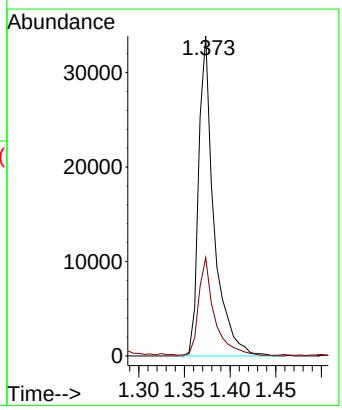
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

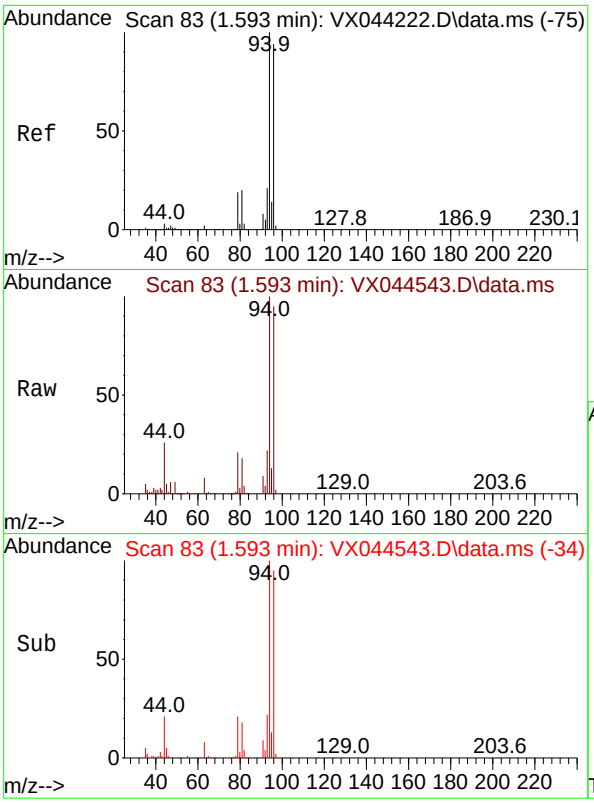



#4
Vinyl Chloride
Concen: 16.596 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 62 Resp: 39305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.5 | 25.7 | 38.5 |

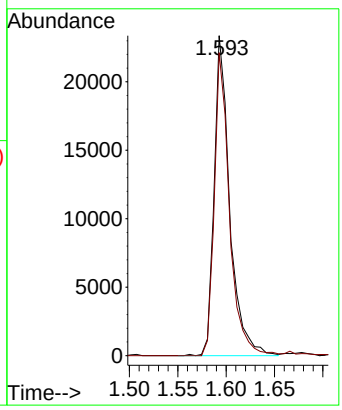





#5
Bromomethane
Concen: 15.558 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 94 Resp: 2614

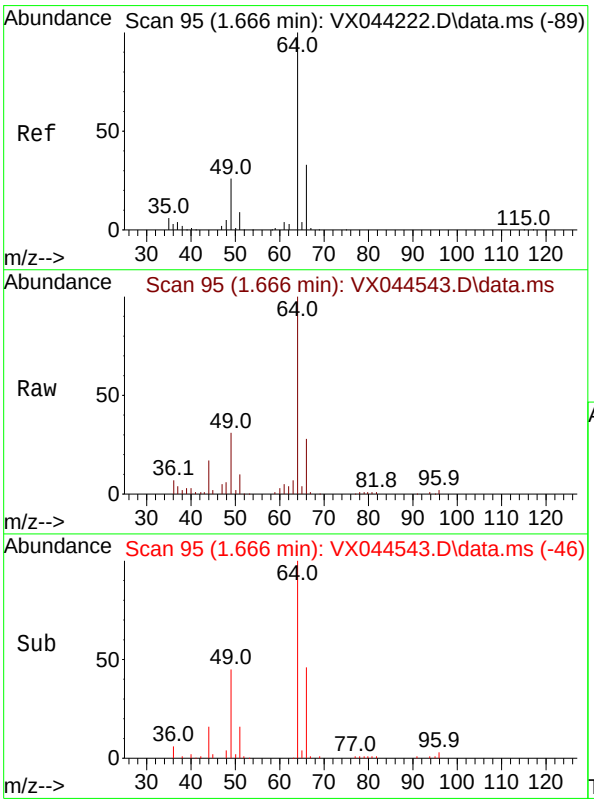
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.7 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

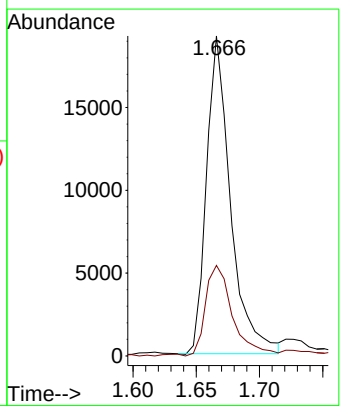
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

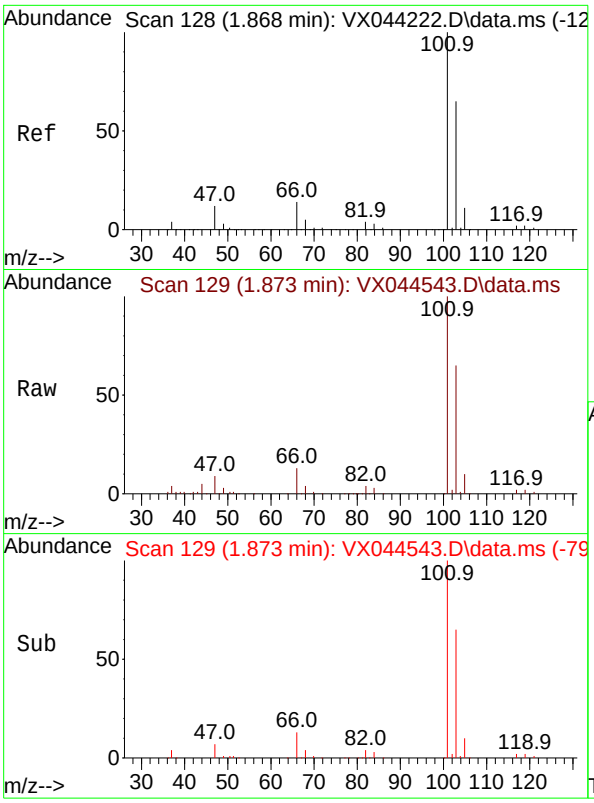



#6
Chloroethane
Concen: 17.209 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 64 Resp: 25379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 27.9 | 26.6 | 39.8 |






#7
Trichlorofluoromethane
Concen: 14.898 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

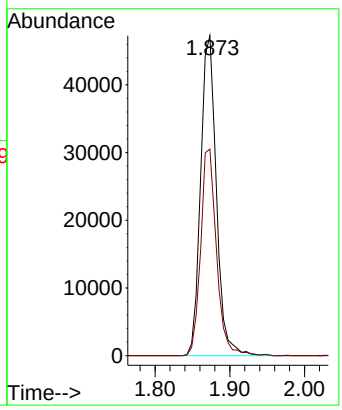
Tgt Ion:101 Resp: 6907

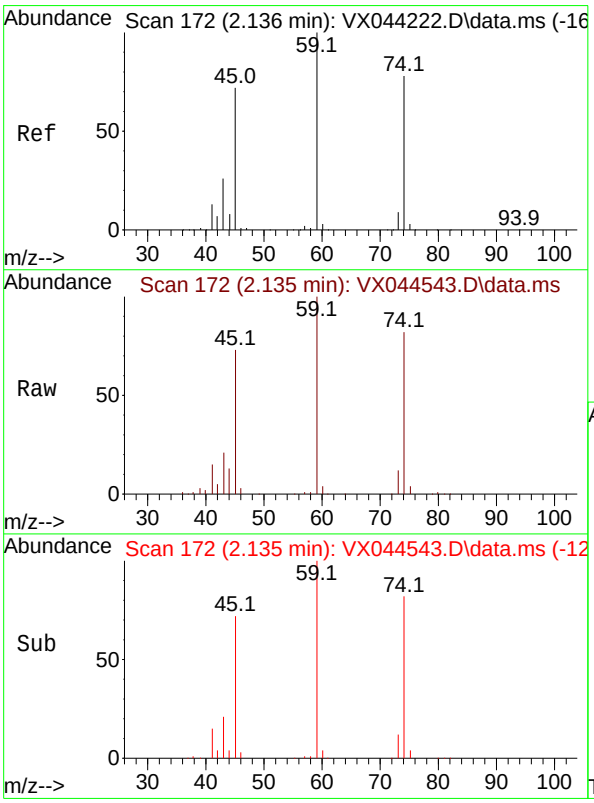
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.6 | 51.8 | 77.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

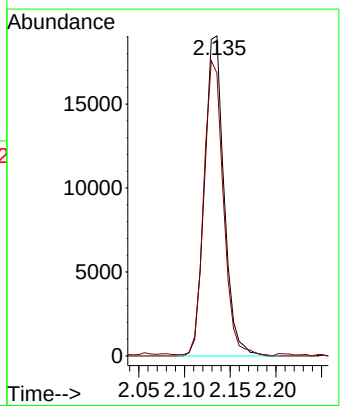


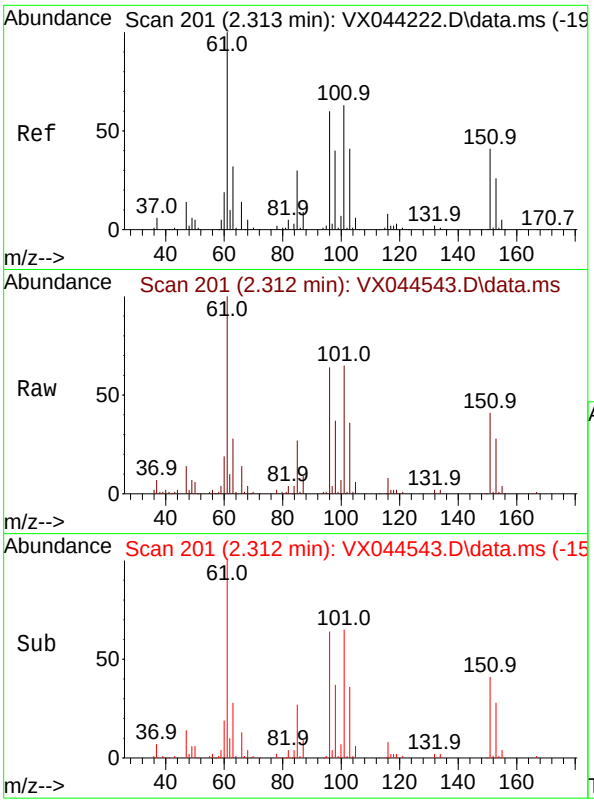




#8
Diethyl Ether
Concen: 17.771 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 74 Resp: 28126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 93.1 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.196 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

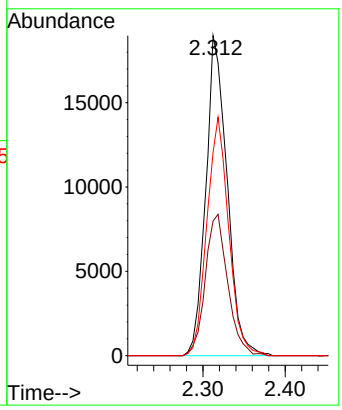
Tgt Ion:101 Resp: 3413(

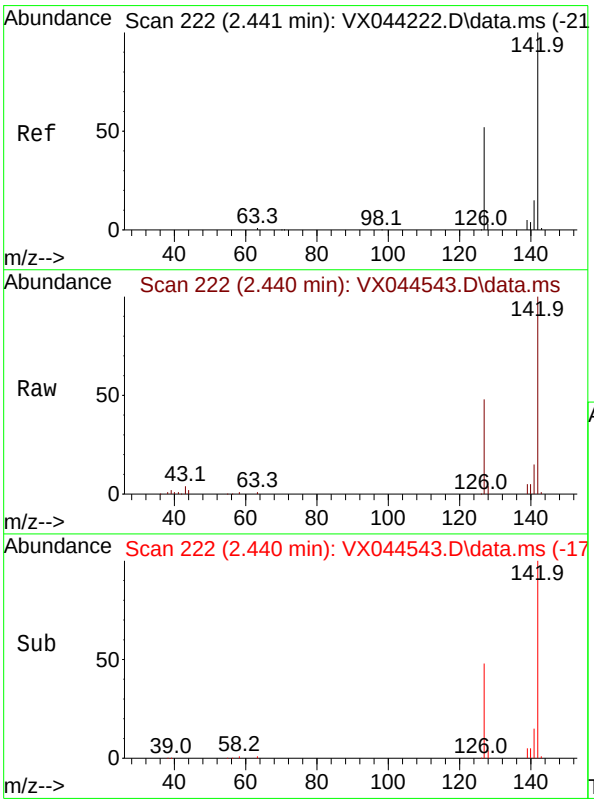
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.5 | 38.5 | 57.7 |
| 151 | 76.3 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

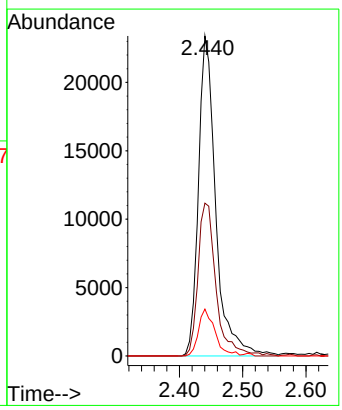


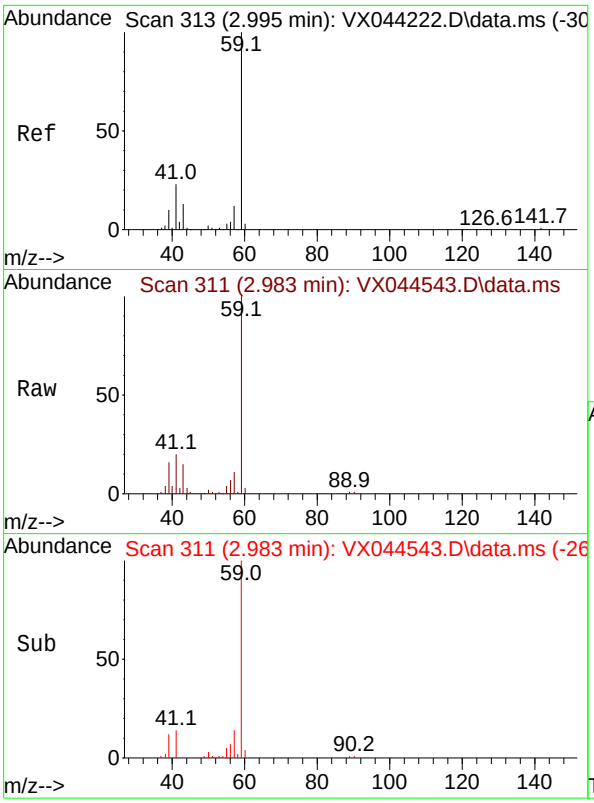




#10
Methyl Iodide
Concen: 18.052 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:142 Resp: 44638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.7 | 41.8 | 62.8 |
| 141 | 14.0 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 81.134 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.013 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

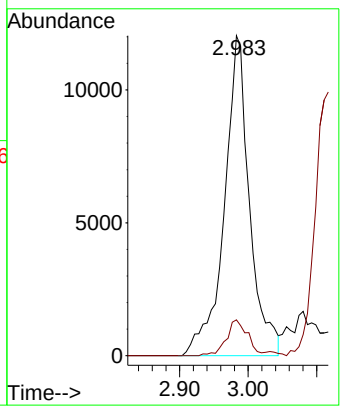
Tgt Ion: 59 Resp: 3082

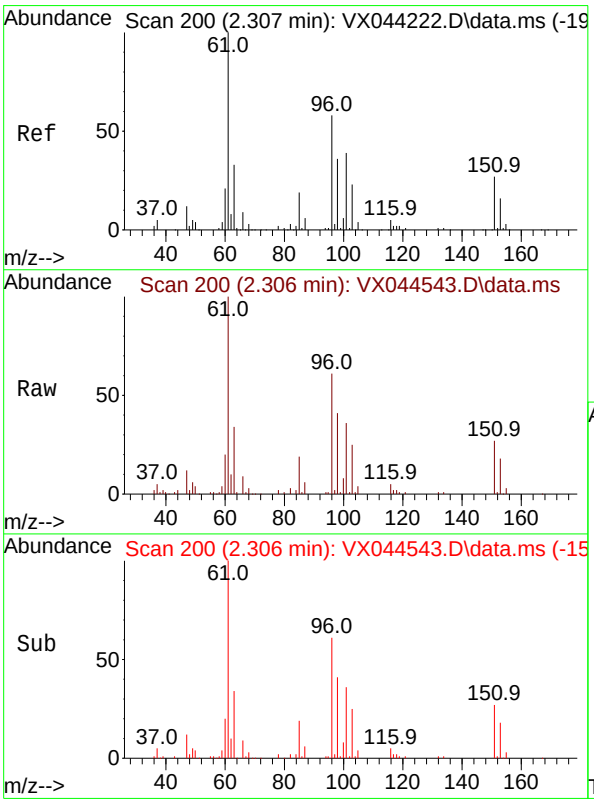
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.4 | 8.8 | 13.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

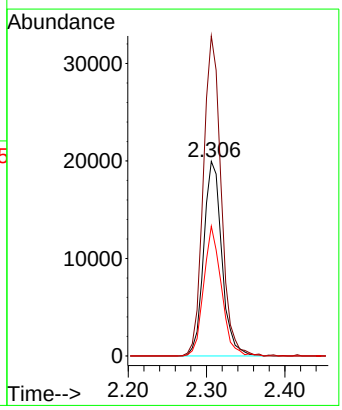


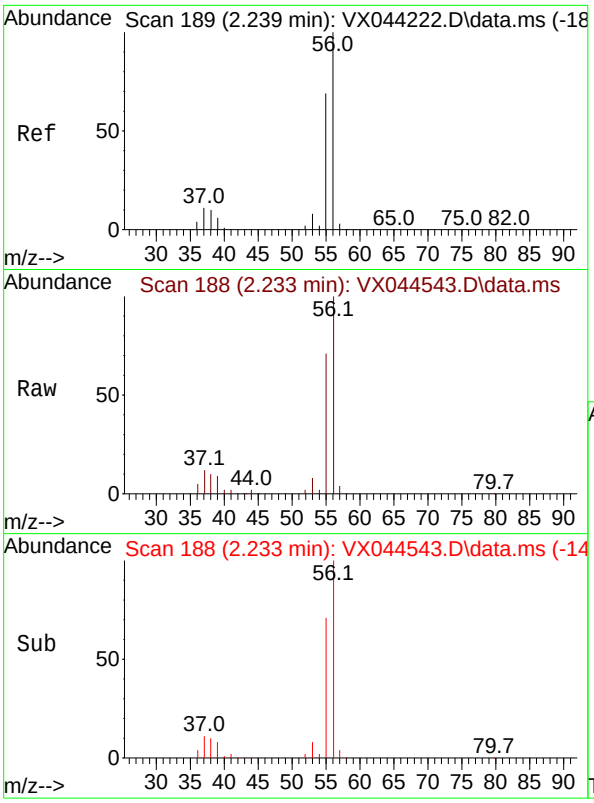




#12
1,1-Dichloroethene
Concen: 18.553 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 96 Resp: 31973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.5 | 138.0 | 207.0 |
| 98 | 66.7 | 50.0 | 75.0 |

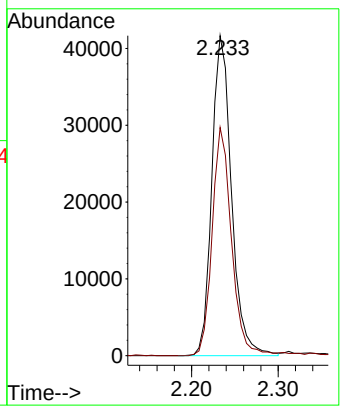





#13
Acrolein
Concen: 119.429 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 56 Resp: 6567

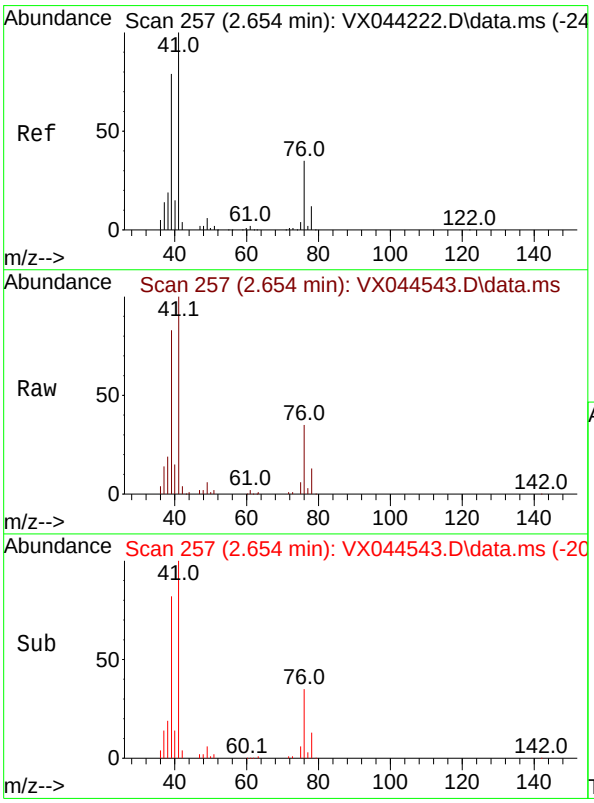
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.1 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

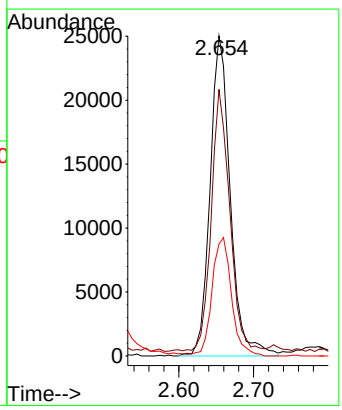
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

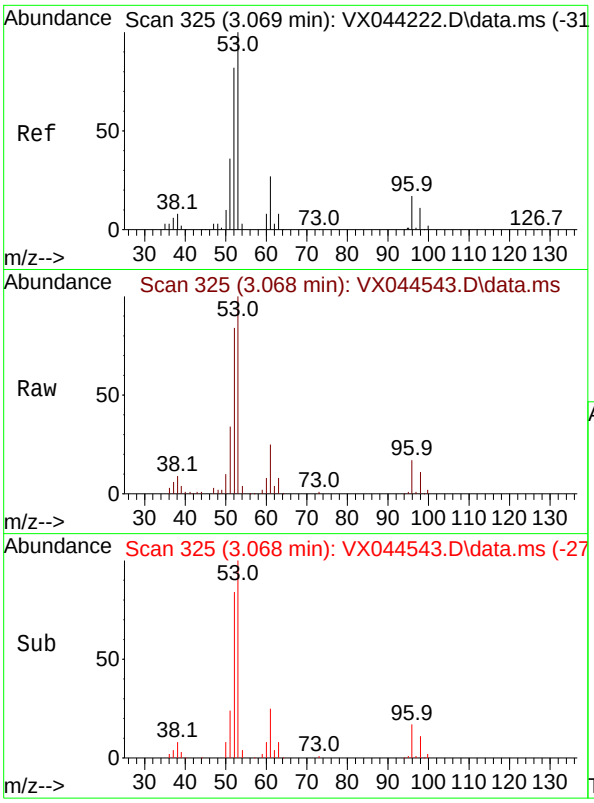



#14
Allyl chloride
Concen: 16.390 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 47046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.3 | 61.9 | 92.9 |
| 76 | 35.6 | 27.4 | 41.2 |

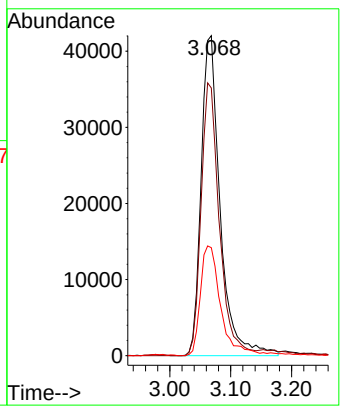





#15
Acrylonitrile
Concen: 86.695 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 53 Resp: 9123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 67.4 | 101.0 |
| 51 | 37.7 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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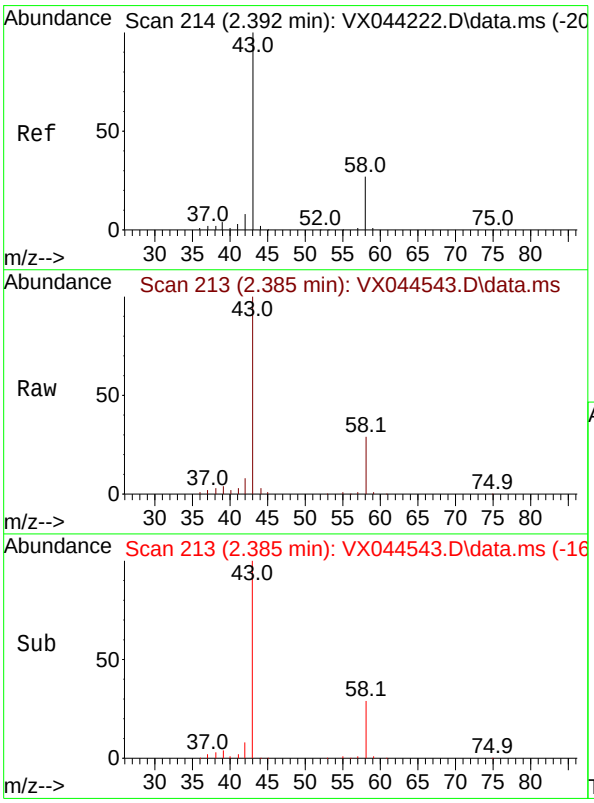
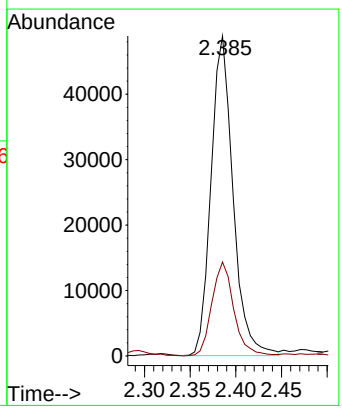
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

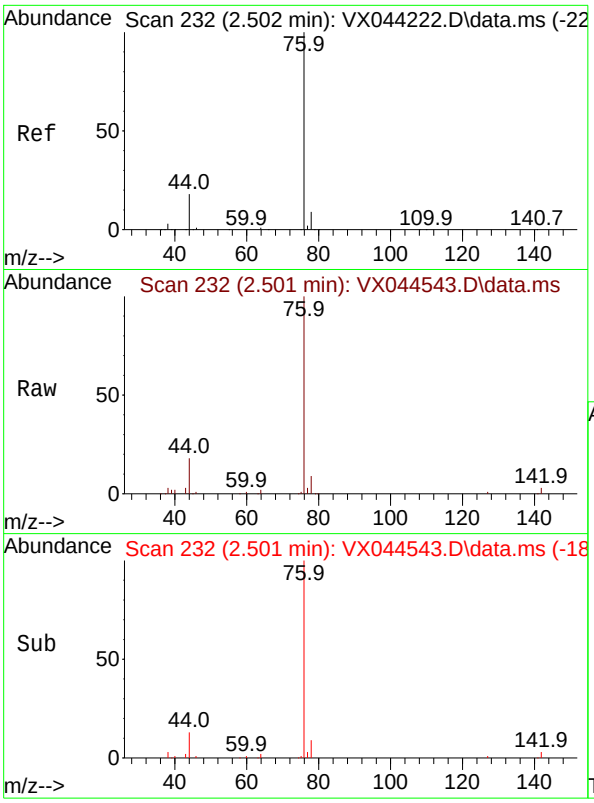



#16
Acetone
Concen: 74.346 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 81705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 21.6 | 32.4 |






#17
Carbon Disulfide
Concen: 14.706 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 76 Resp: 4817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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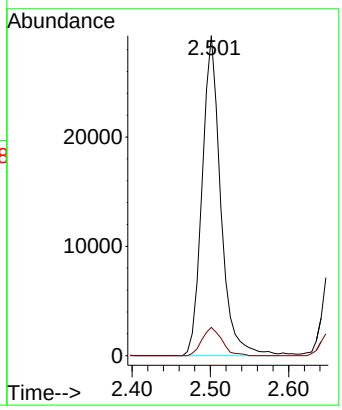
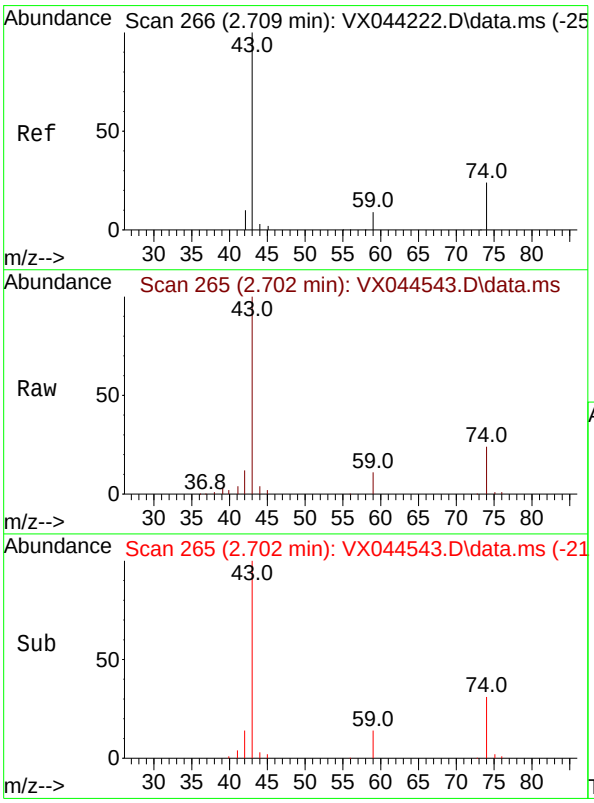
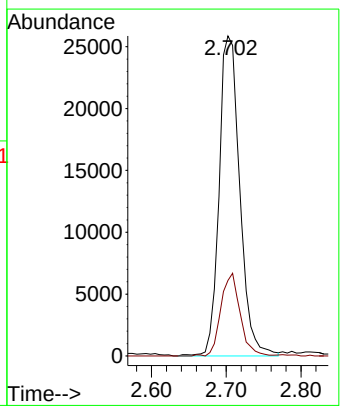


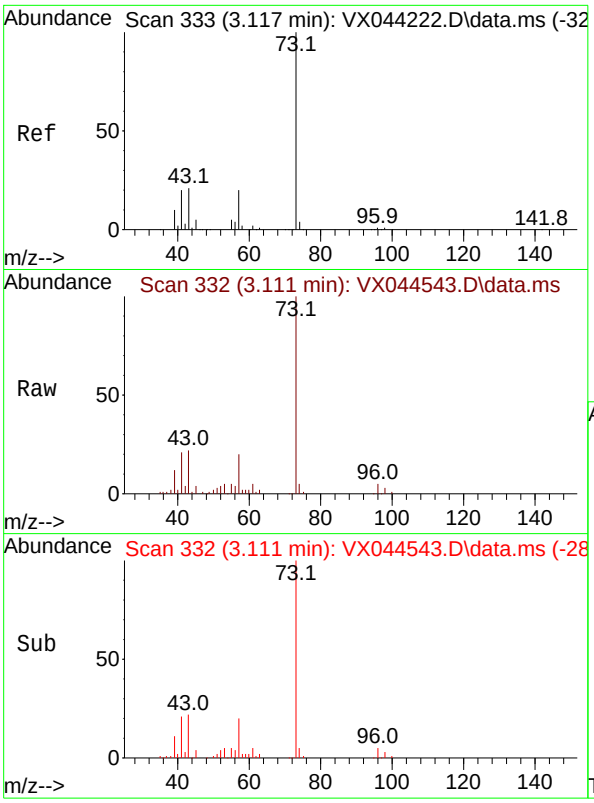




#18
Methyl Acetate
Concen: 17.576 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 49803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.1 | 17.7 | 26.5 |






#19
Methyl tert-butyl Ether
Concen: 16.611 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

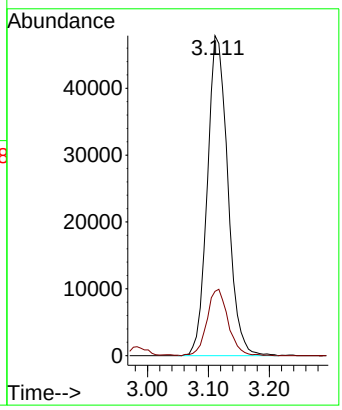
Tgt Ion: 73 Resp: 11171

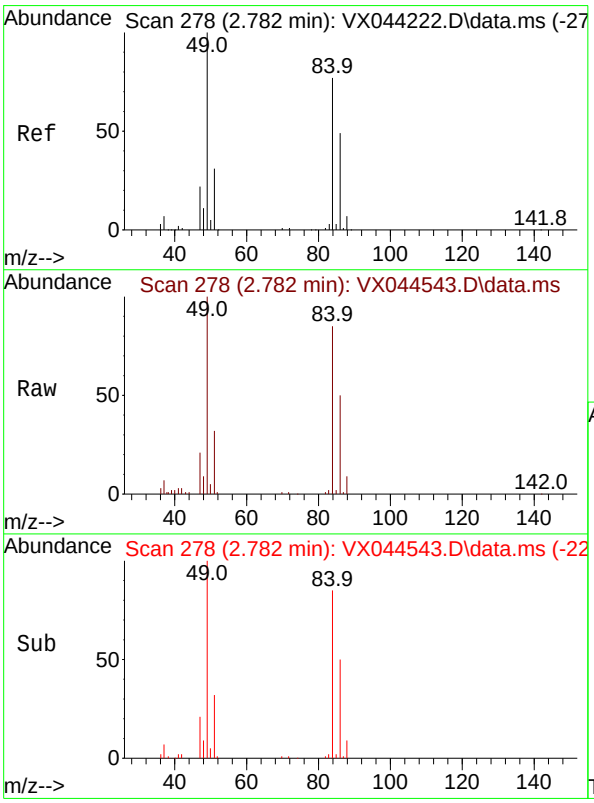
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.1 | 16.2 | 24.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

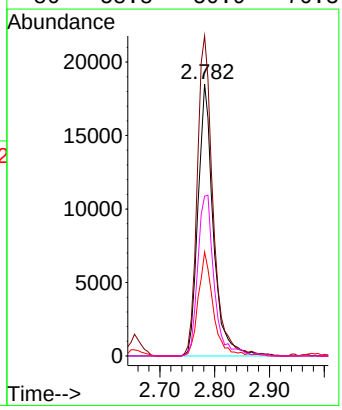


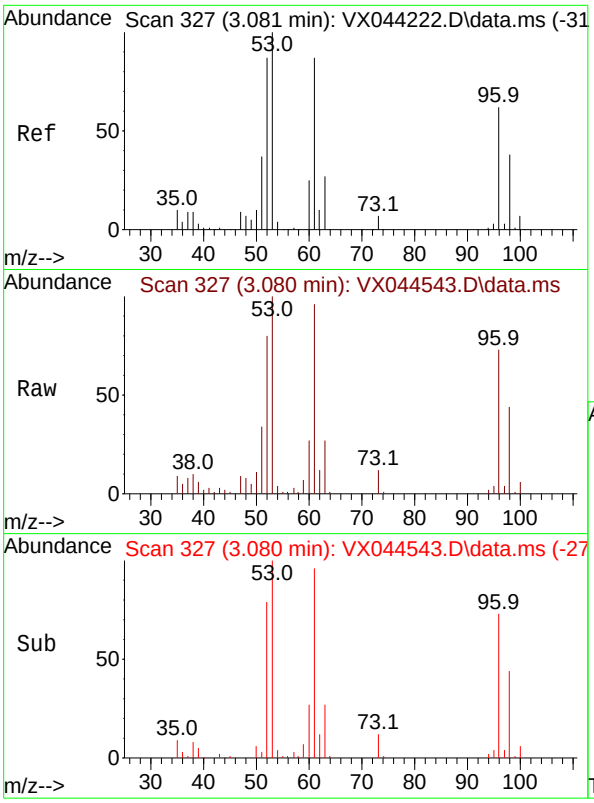




#20
Methylene Chloride
Concen: 17.421 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 84 Resp: 35960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.6 | 104.2 | 156.4 |
| 51 | 38.2 | 32.2 | 48.4 |
| 86 | 58.8 | 50.9 | 76.3 |






#21
trans-1,2-Dichloroethene
Concen: 17.229 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

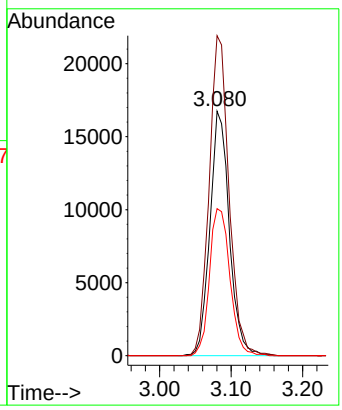
Tgt Ion: 96 Resp: 3155

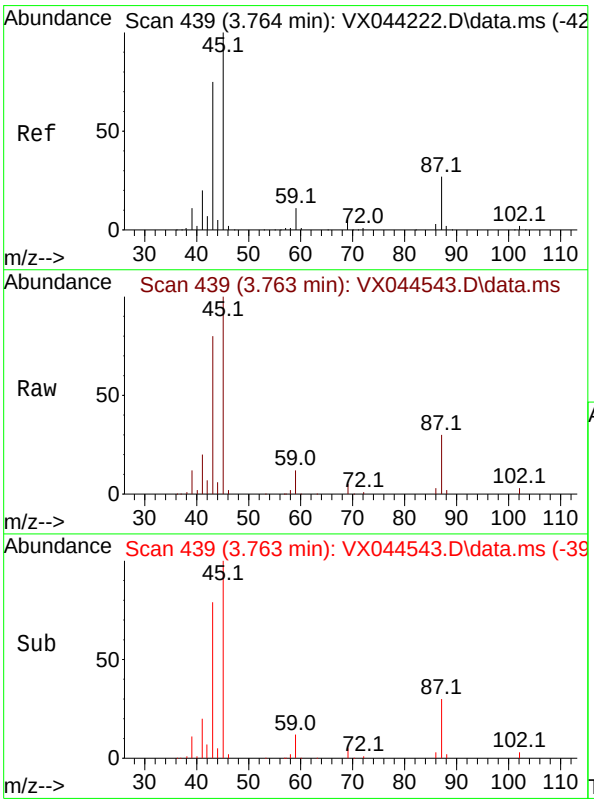
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.9 | 112.0 | 168.0 |
| 98 | 60.2 | 48.8 | 73.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

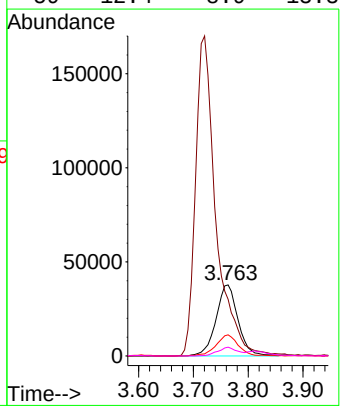


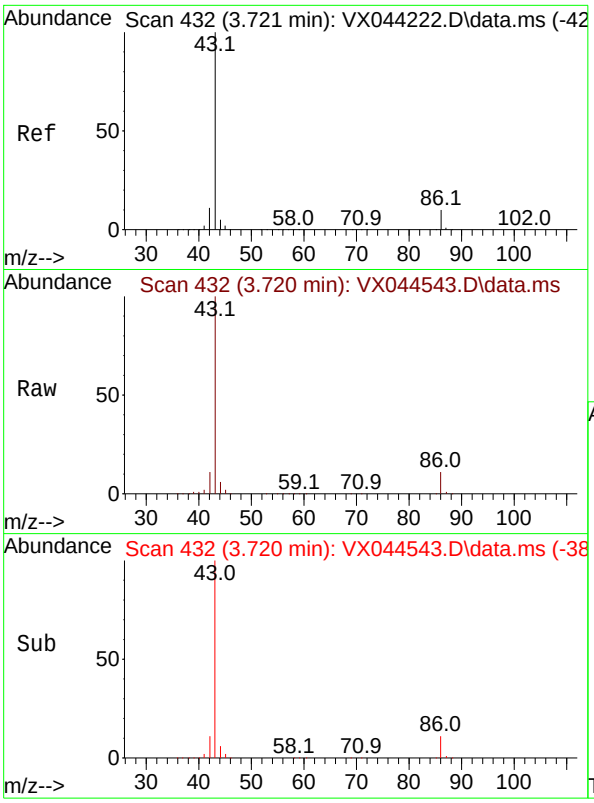




#22
Diisopropyl ether
Concen: 16.268 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 45 Resp: 105148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 79.4 | 60.2 | 90.2 |
| 87 | 29.8 | 21.2 | 31.8 |
| 59 | 12.4 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 84.386 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 44344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.6 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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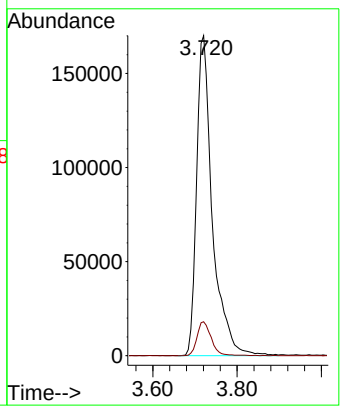
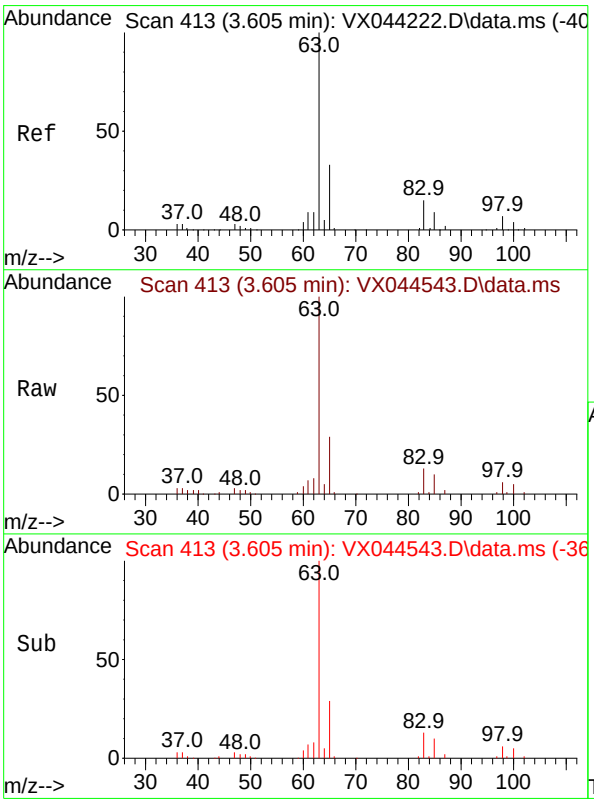
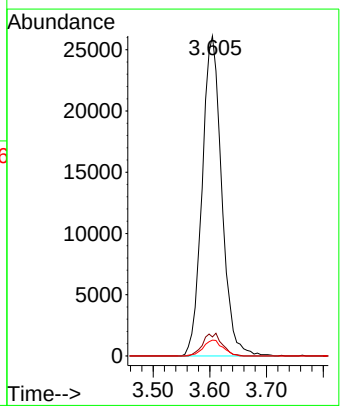


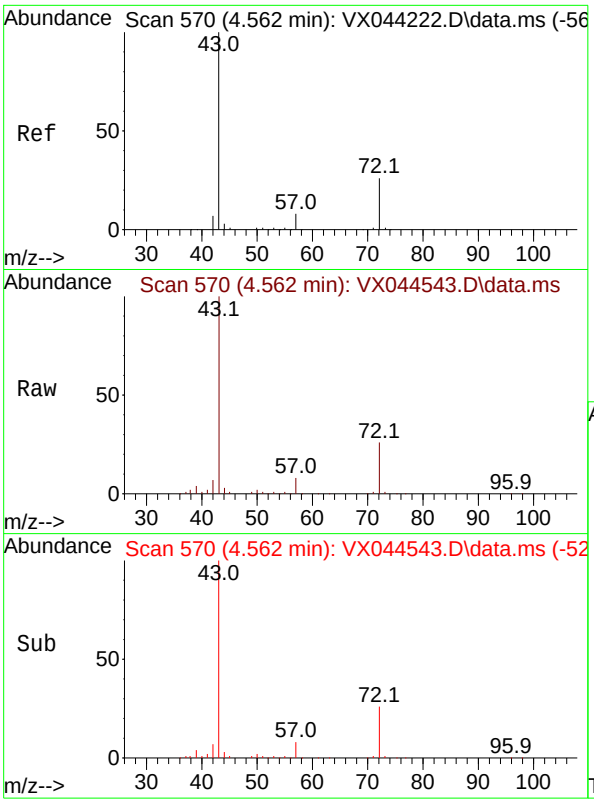




#24
1,1-Dichloroethane
Concen: 17.362 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 63 Resp: 62553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.0 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 80.280 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 12542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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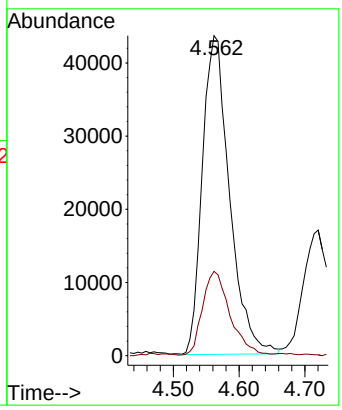
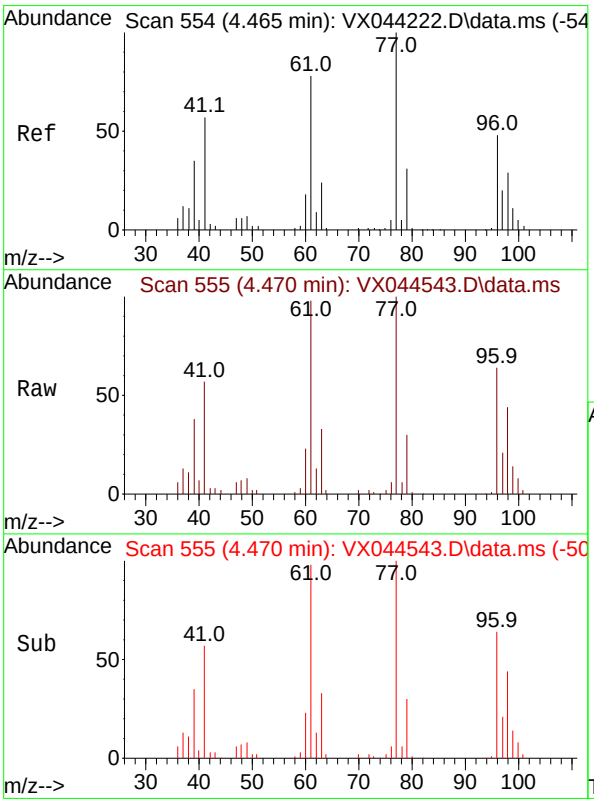
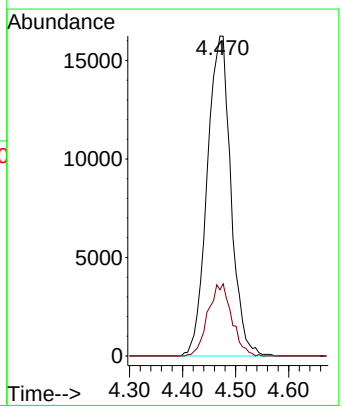


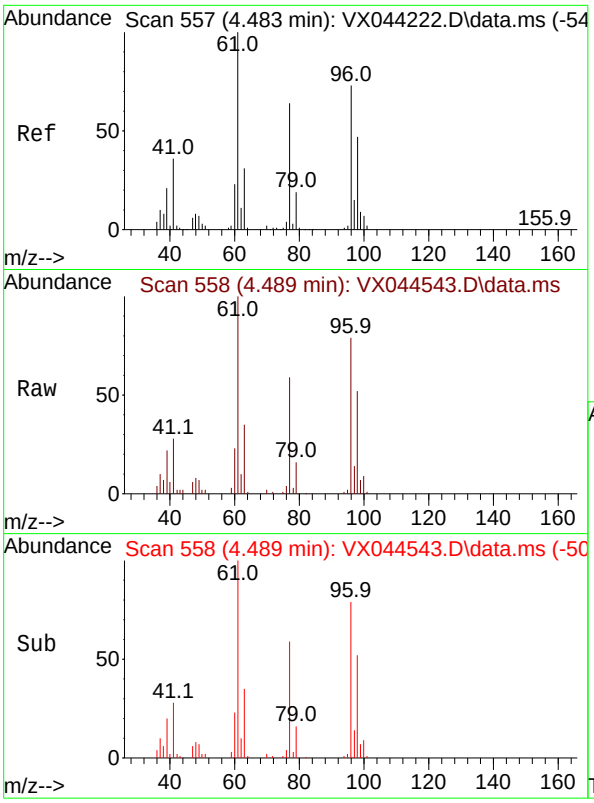




#26
2,2-Dichloropropane
Concen: 17.223 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 77 Resp: 50413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.7 | 10.7 | 32.1 |






#27
cis-1,2-Dichloroethene
Concen: 17.170 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 96 Resp: 3993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.8 | 0.0 | 299.0 |
| 98 | 64.5 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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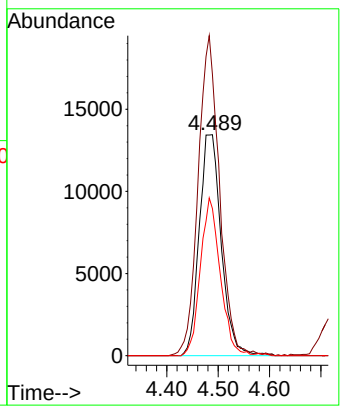
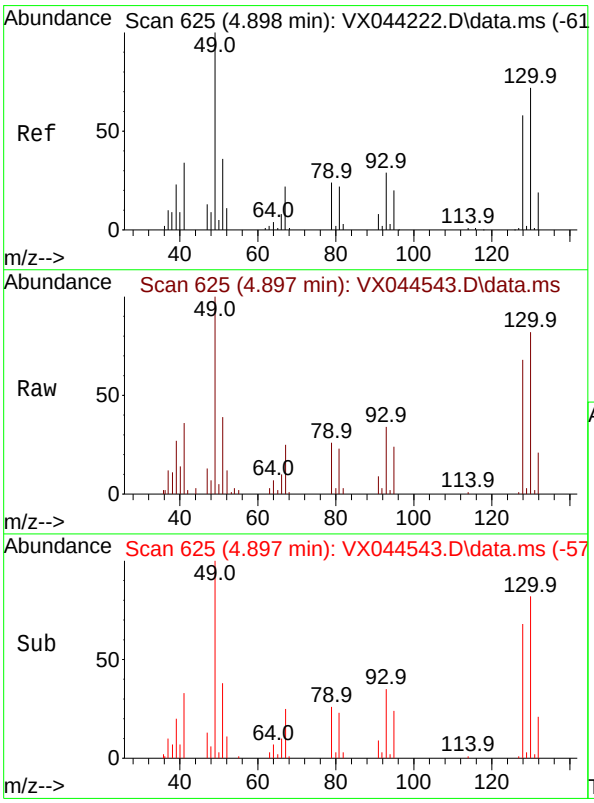
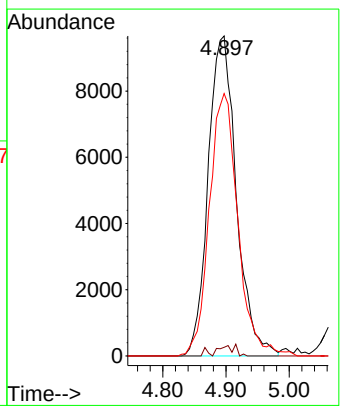


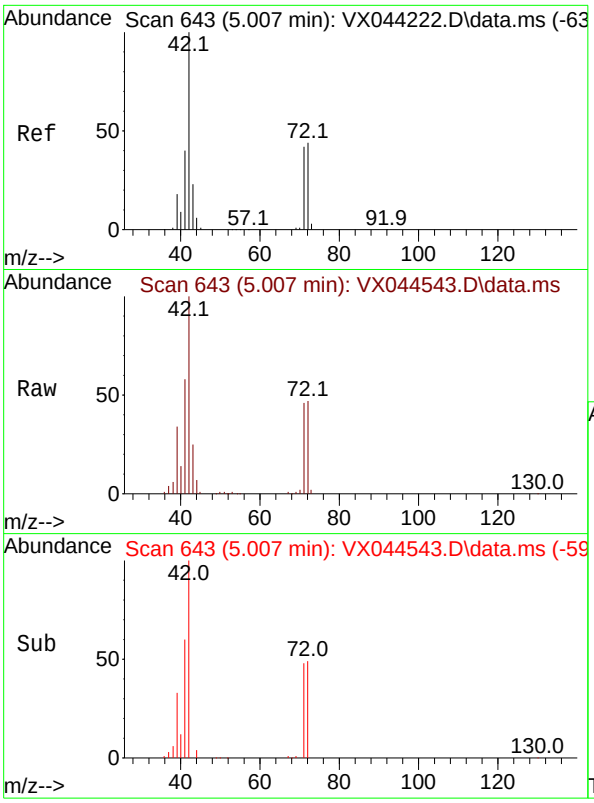




#28
Bromochloromethane
Concen: 16.932 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 49 Resp: 29914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.2 |
| 130 | 83.0 | 62.1 | 93.1 |






#29
Tetrahydrofuran
Concen: 80.443 ug/l
RT: 5.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 42 Resp: 8067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 47.7 | 37.0 | 55.6 |
| 71 | 44.5 | 33.6 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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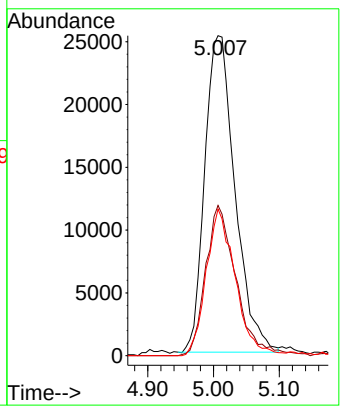
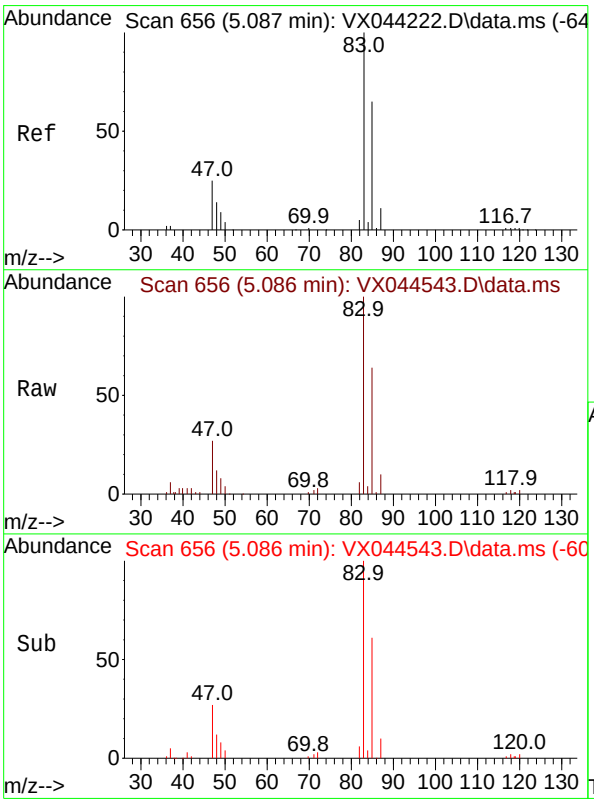
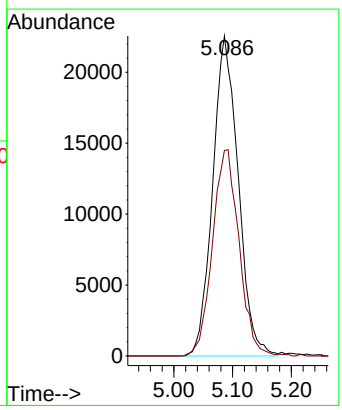


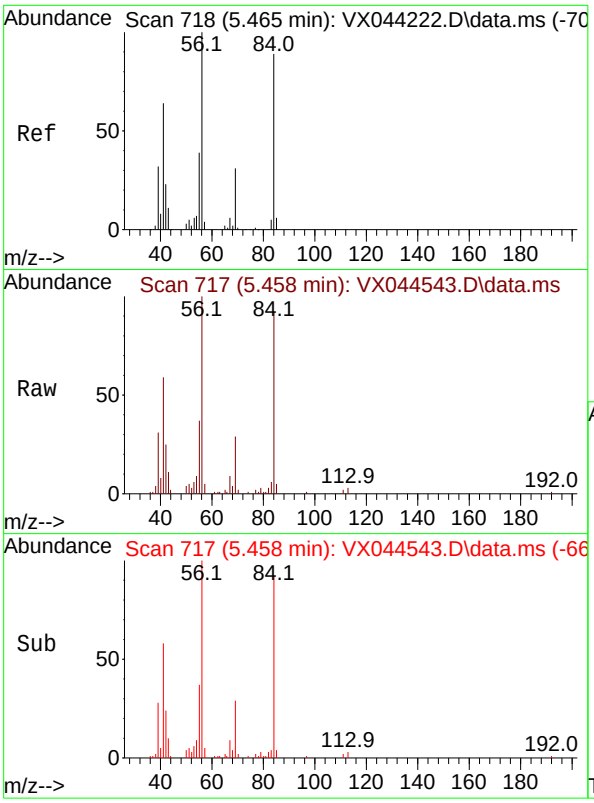




#30
Chloroform
Concen: 16.810 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 83 Resp: 68047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 16.355 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 56 Resp: 4758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.8 | 24.7 | 37.1 |
| 84 | 88.8 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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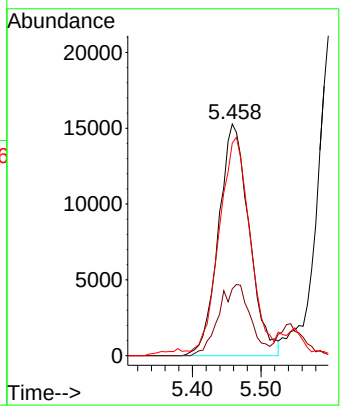
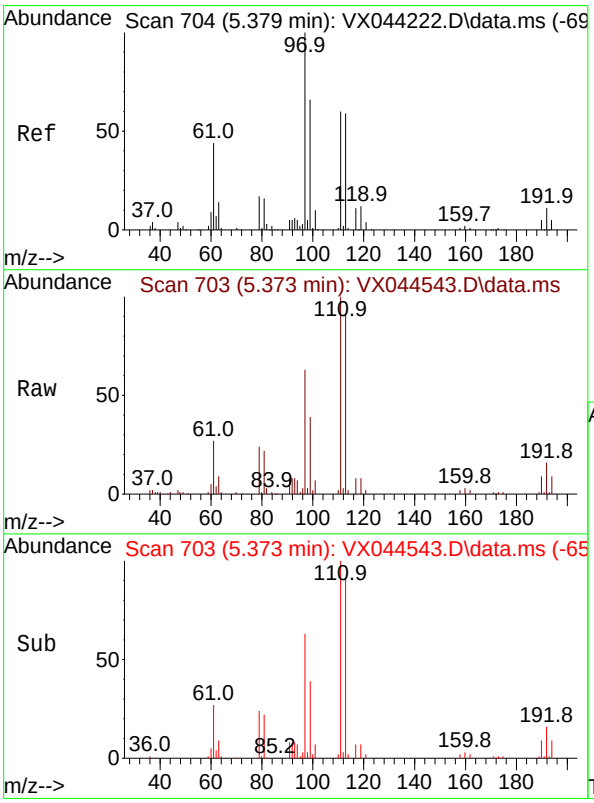
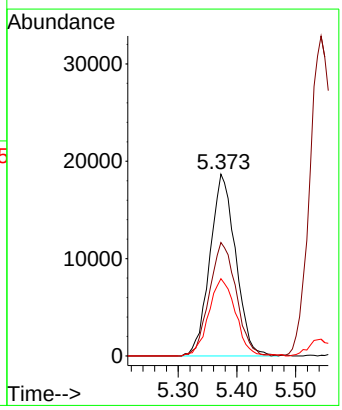


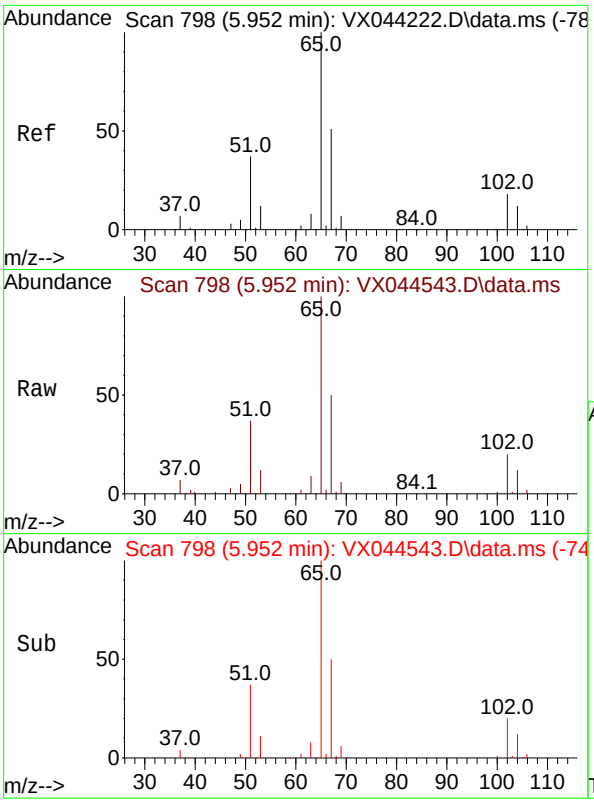




#32
1,1,1-Trichloroethane
Concen: 16.931 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 97 Resp: 56892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.9 | 50.8 | 76.2 |
| 61 | 44.0 | 35.2 | 52.8 |






#33
1,2-Dichloroethane-d4
Concen: 42.406 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 65 Resp: 11431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 101.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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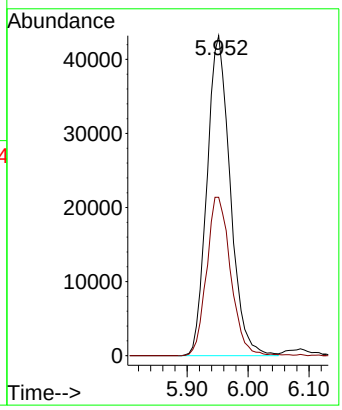
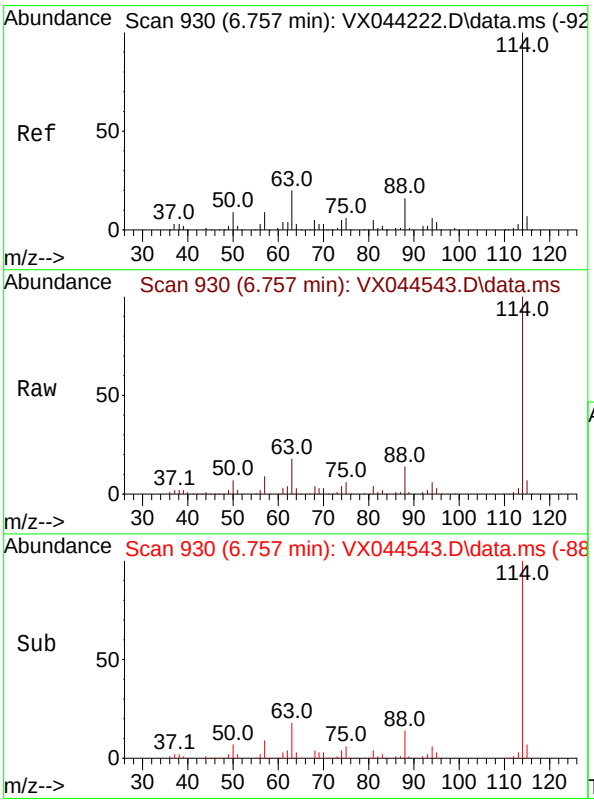
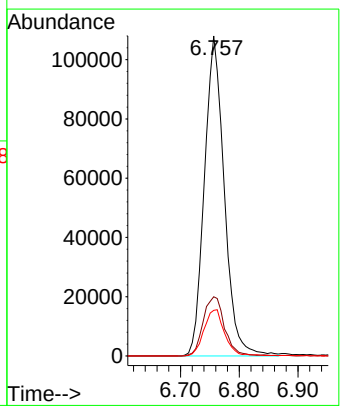


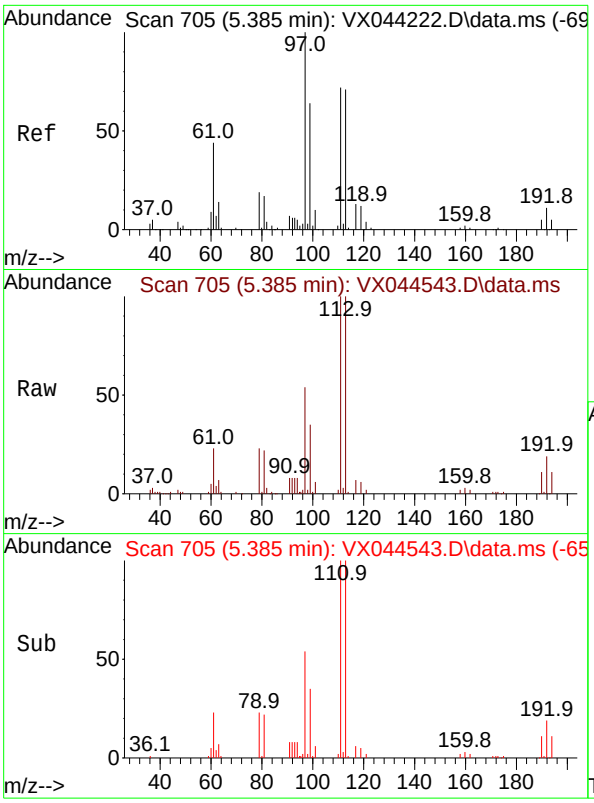




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:114 Resp: 254154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.5 | 0.0 | 40.6 |
| 88 | 14.2 | 0.0 | 31.8 |






#35
Dibromofluoromethane
Concen: 51.151 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:113 Resp: 9003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 80.4 | 120.6 |
| 192 | 18.7 | 13.3 | 19.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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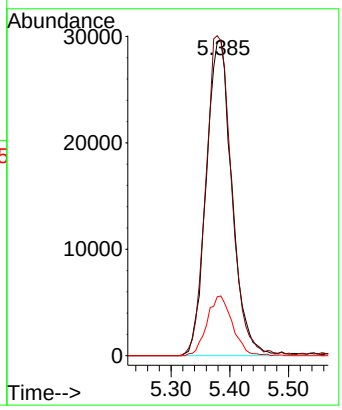
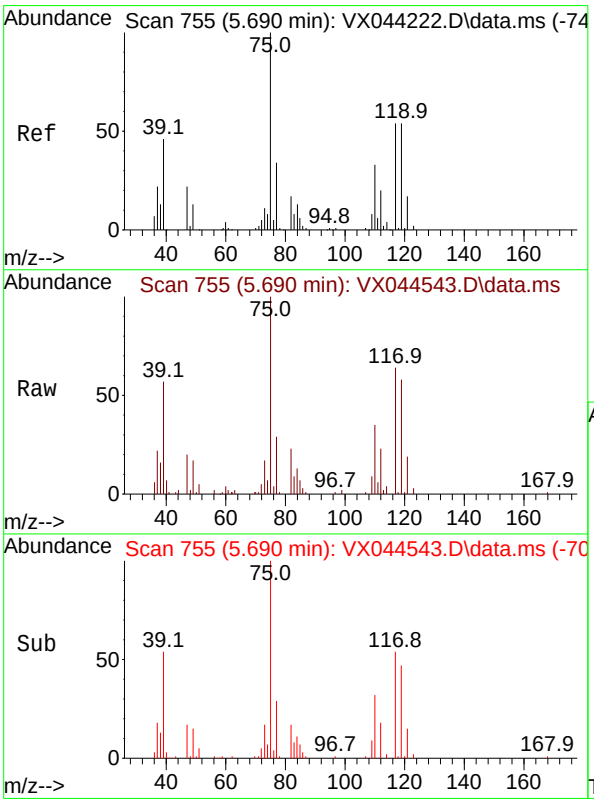
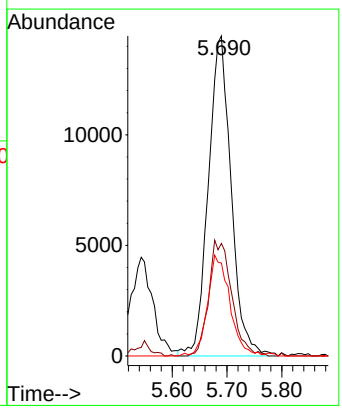


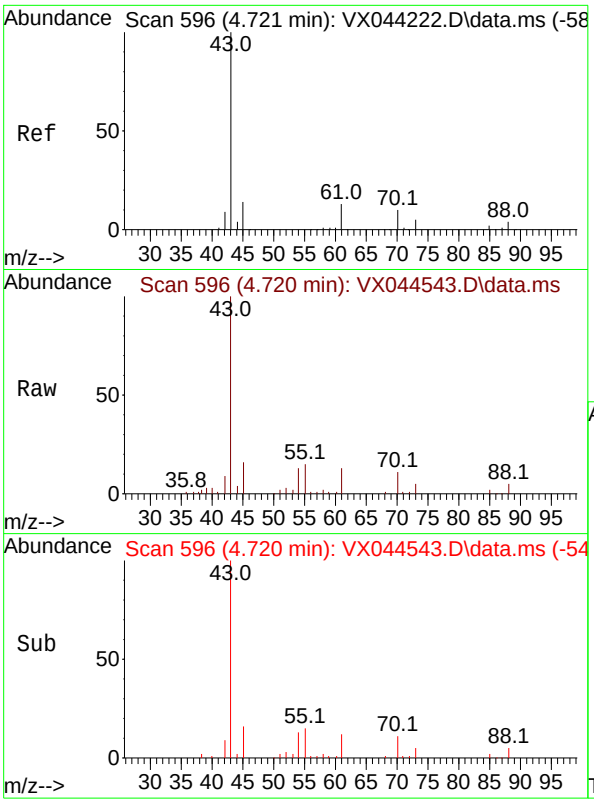




#36
1,1-Dichloropropene
Concen: 18.376 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 41811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.4 | 17.3 | 51.7 |
| 77 | 30.6 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 17.387 ug/l
RT: 4.720 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

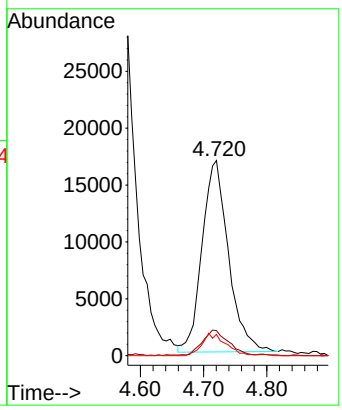
Tgt Ion: 43 Resp: 4890

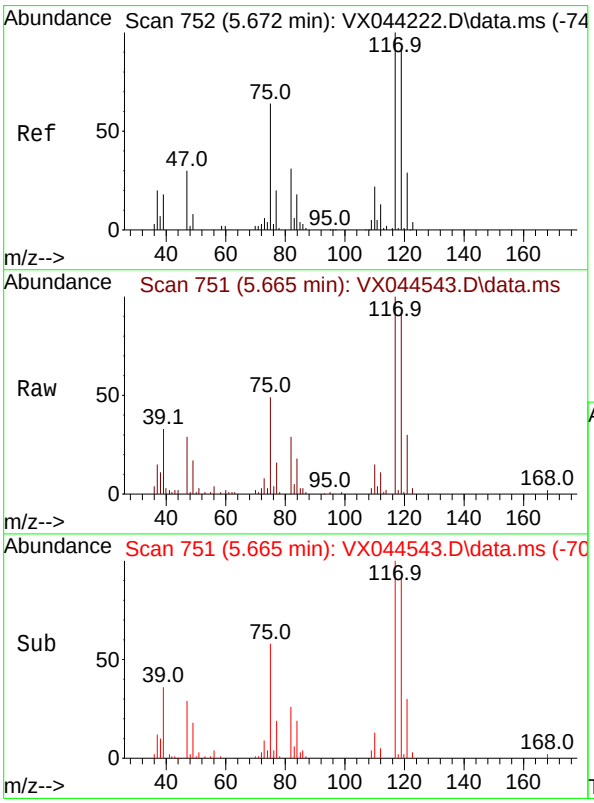
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 9.8 | 14.8 |
| 70 | 10.4 | 7.7 | 11.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

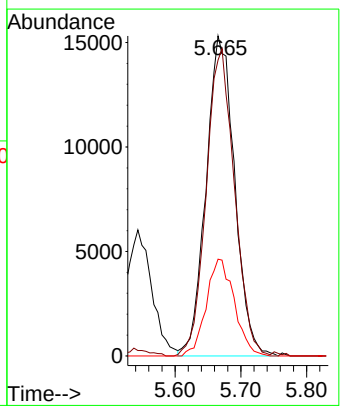


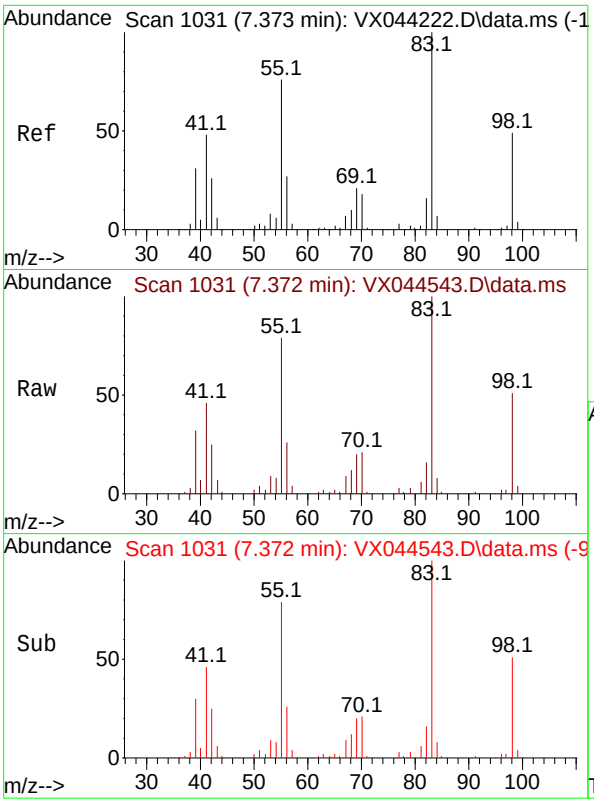




#38
Carbon Tetrachloride
Concen: 18.916 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:117 Resp: 46337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.0 | 74.2 | 111.4 |
| 121 | 30.2 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 19.124 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

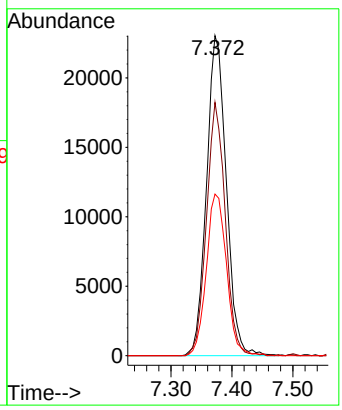
Tgt Ion: 83 Resp: 5201

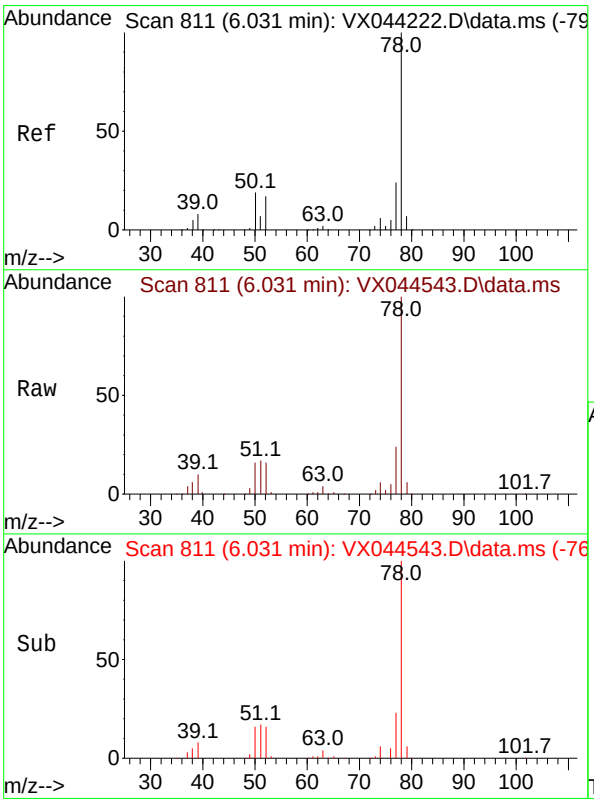
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.2 | 60.7 | 91.1 |
| 98 | 50.5 | 38.9 | 58.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

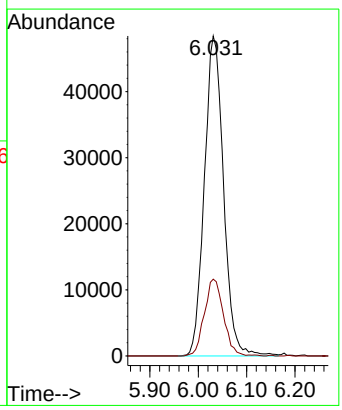


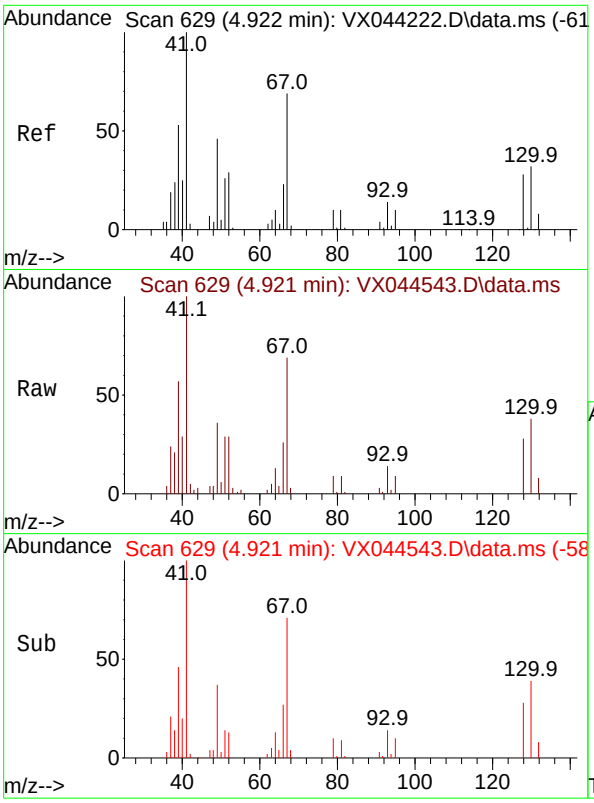




#40
Benzene
Concen: 19.310 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 78 Resp: 133403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.3 | 28.9 |

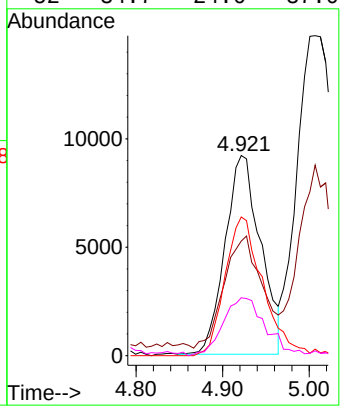





#41
Methacrylonitrile
Concen: 17.547 ug/l
RT: 4.921 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 2620

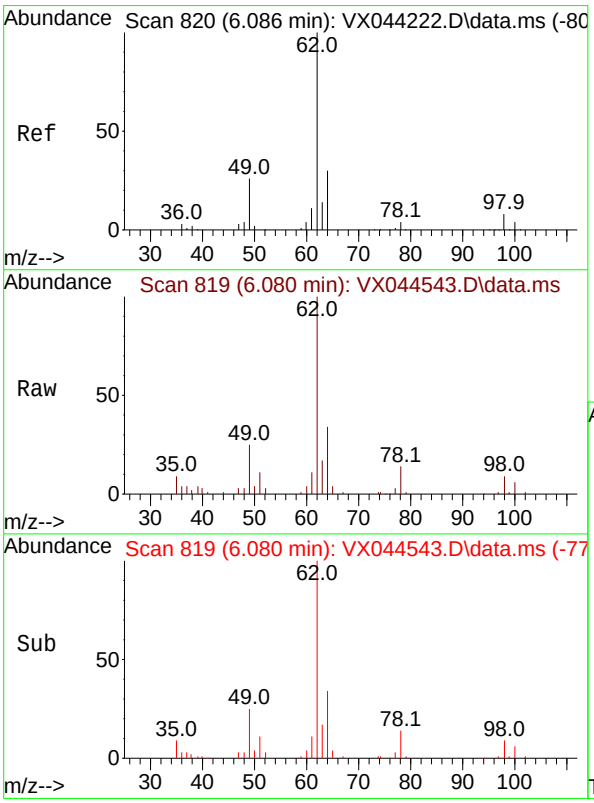
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.9 | 44.2 | 66.4 |
| 67 | 73.7 | 57.2 | 85.8 |
| 52 | 34.7 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

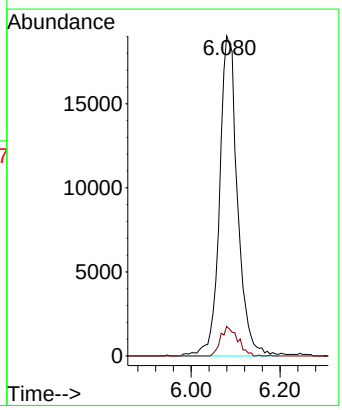
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

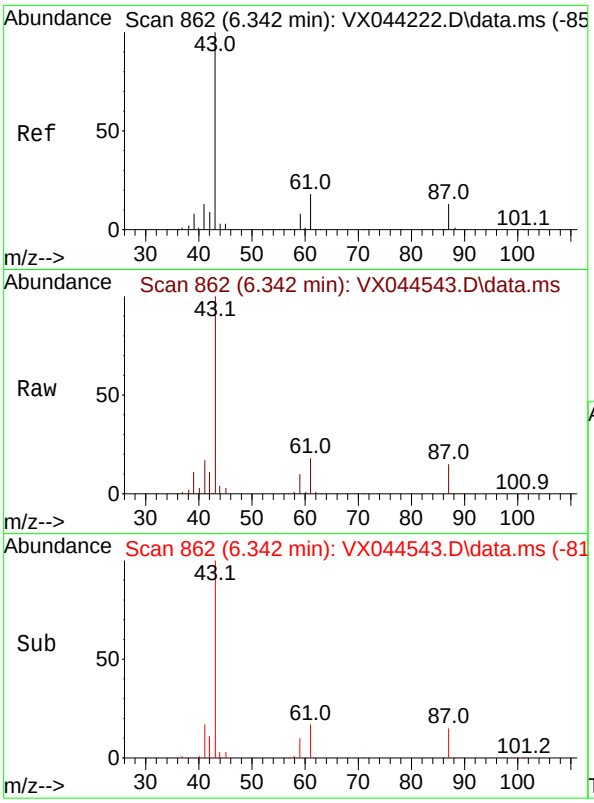



#42
1,2-Dichloroethane
Concen: 18.732 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 62 Resp: 53308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 15.8 |






#43
Isopropyl Acetate
Concen: 17.679 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

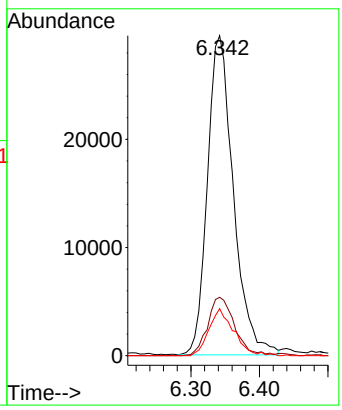
Tgt Ion: 43 Resp: 7771

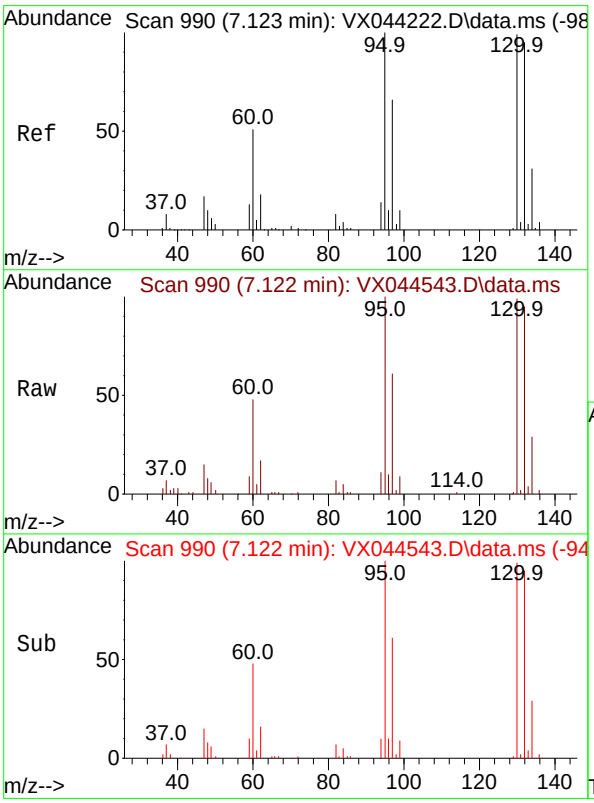
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 14.2 | 21.2 |
| 87 | 14.1 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

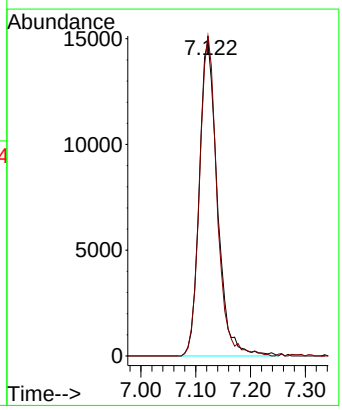


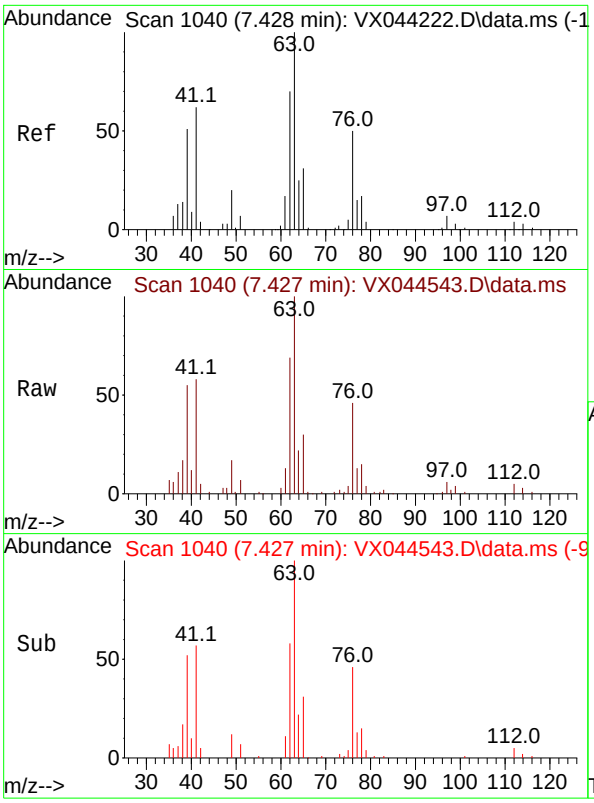




#44
Trichloroethene
Concen: 19.862 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:130 Resp: 34218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.4 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 18.843 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

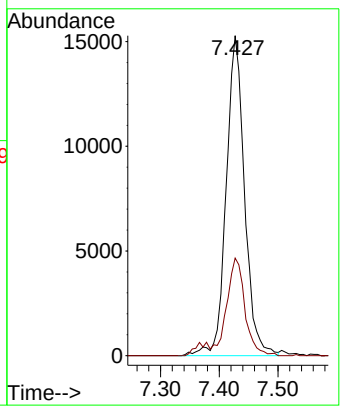
Tgt Ion: 63 Resp: 3325

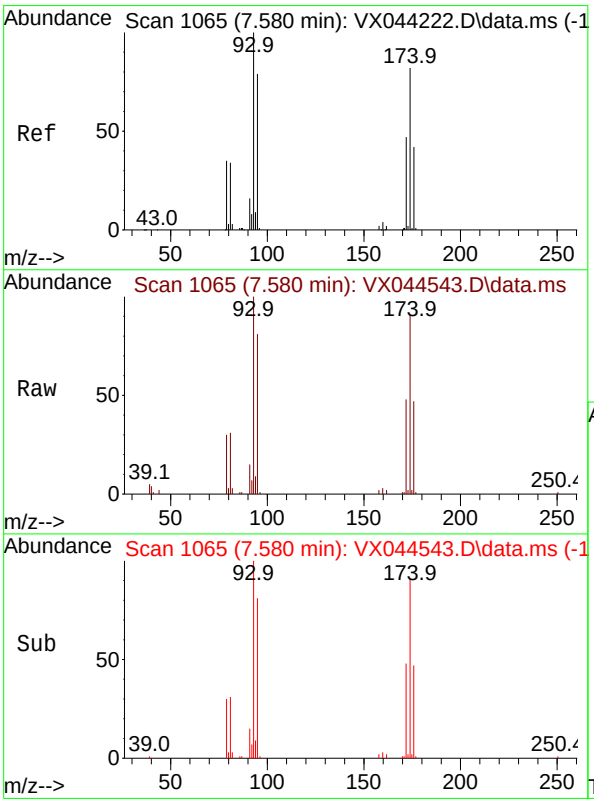
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

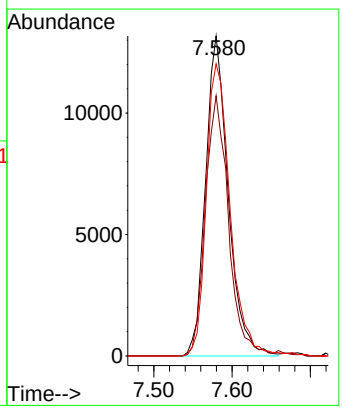


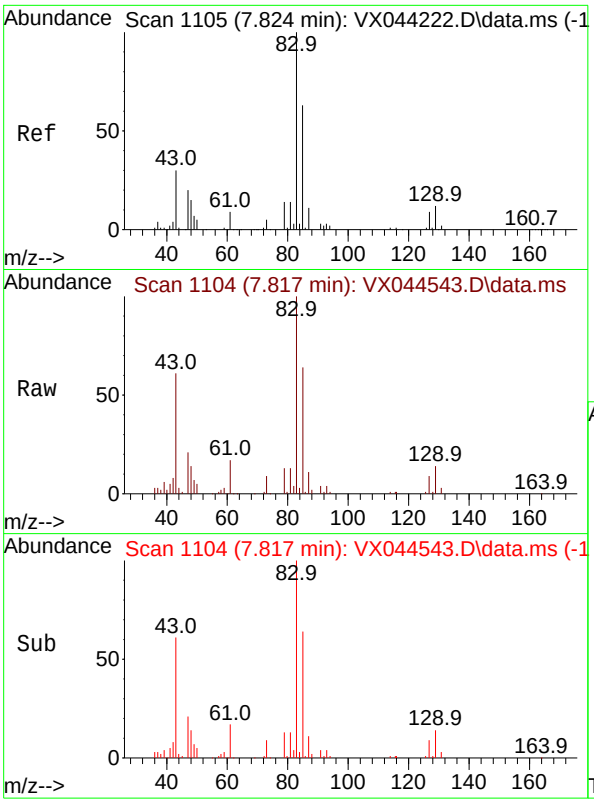




#46
Dibromomethane
Concen: 19.331 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 93 Resp: 26469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.9 | 65.4 | 98.2 |
| 174 | 96.4 | 67.9 | 101.9 |

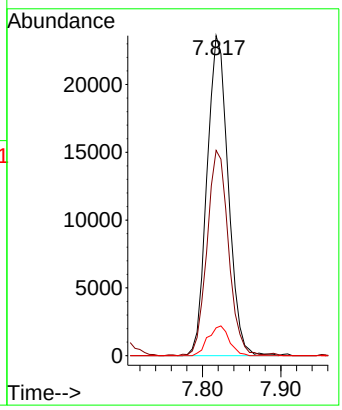





#47
Bromodichloromethane
Concen: 18.736 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 83 Resp: 4430

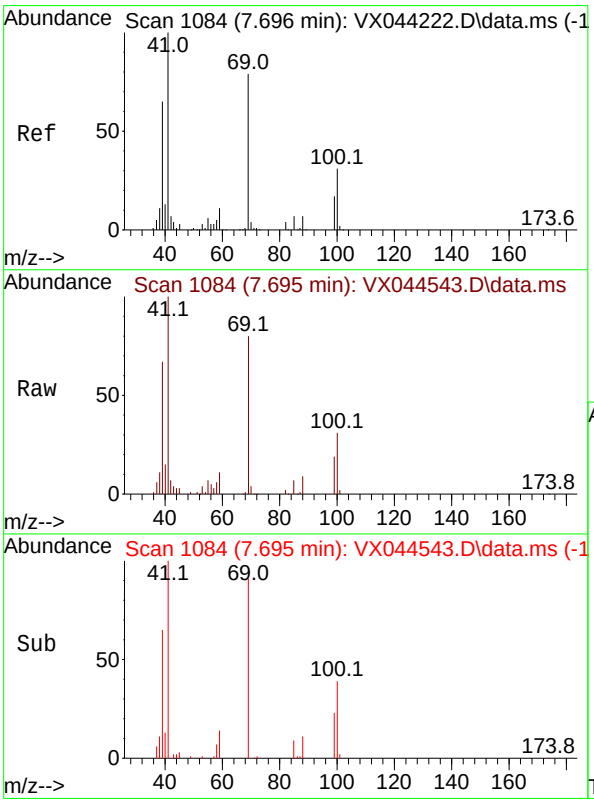
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 50.6 | 75.8 |
| 127 | 8.7 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

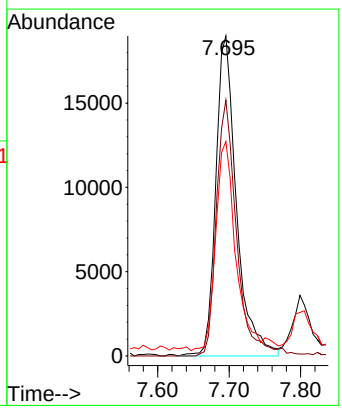
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

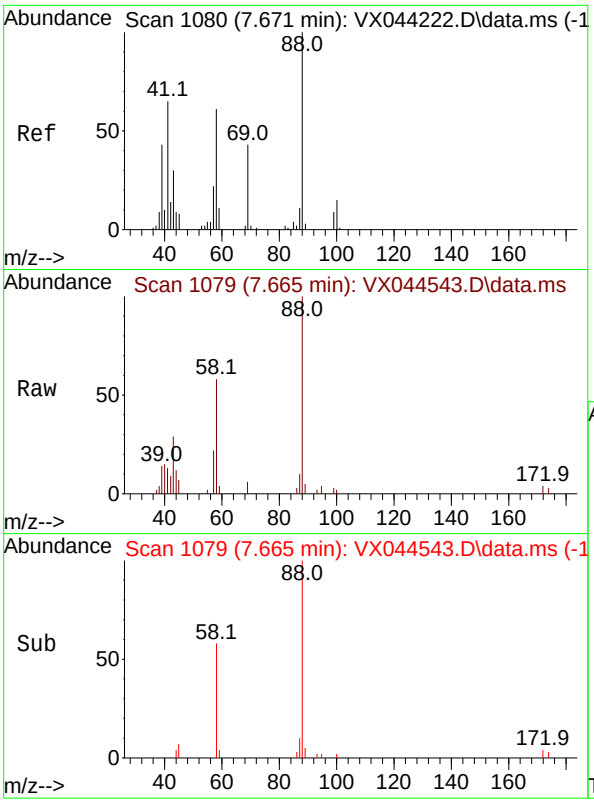



#48
Methyl methacrylate
Concen: 17.845 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 38081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.5 | 62.4 | 93.6 |
| 39 | 64.7 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 336.907 ug/l m
RT: 7.665 min Scan# 1(
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

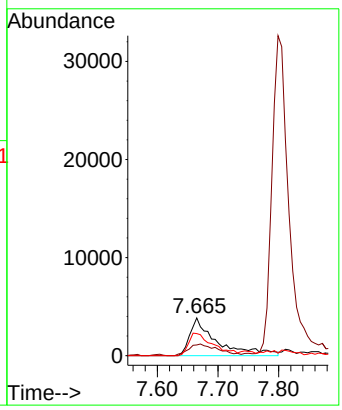
Tgt Ion: 88 Resp: 1192(

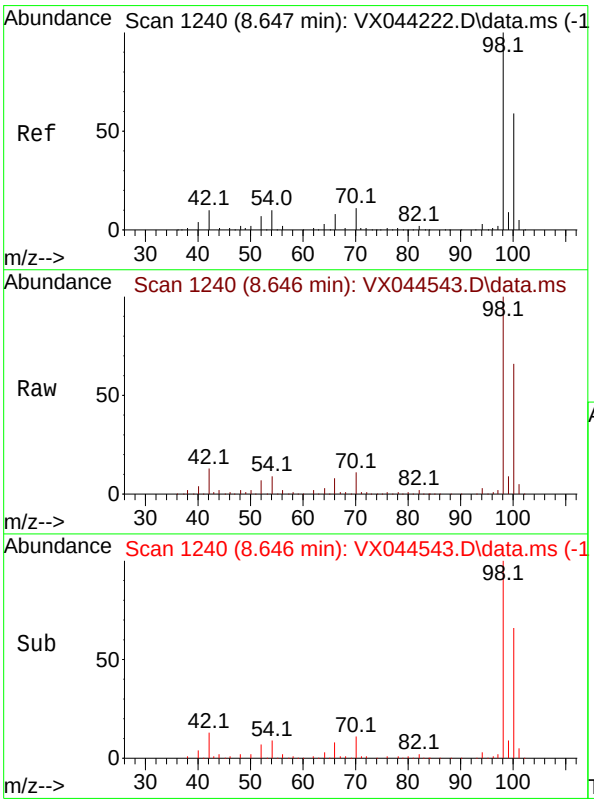
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 33.6 | 27.1 | 40.7 |
| 58 | 53.6 | 41.0 | 61.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

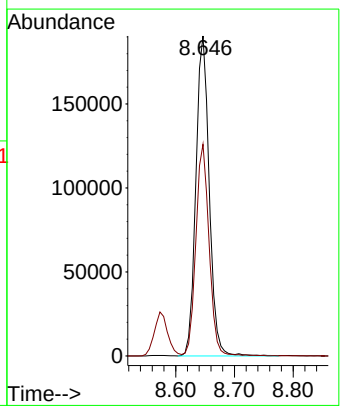


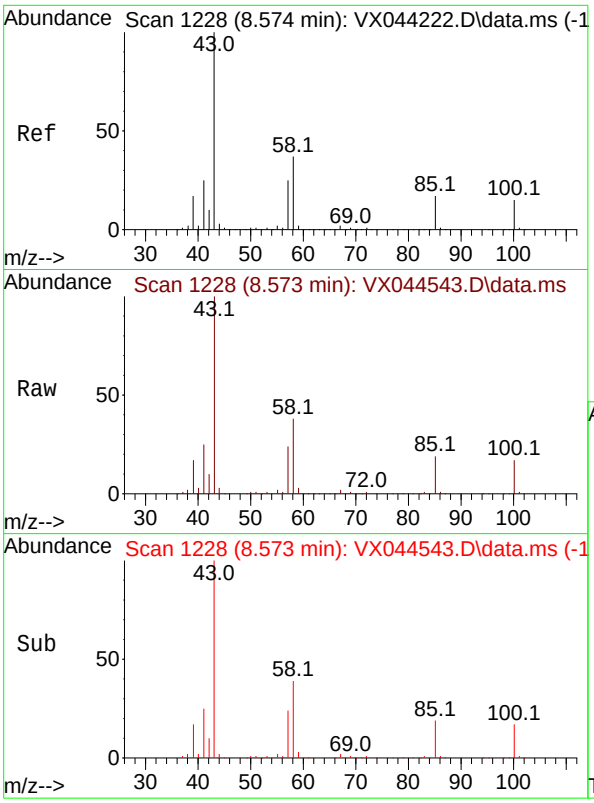




#50
Toluene-d8
Concen: 50.713 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 98 Resp: 301165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 51.5 | 77.3 |






#51
4-Methyl-2-Pentanone
Concen: 90.739 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

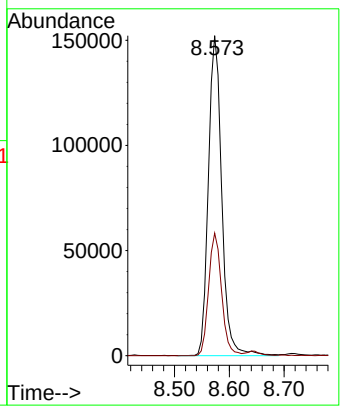
Tgt Ion: 43 Resp: 25648

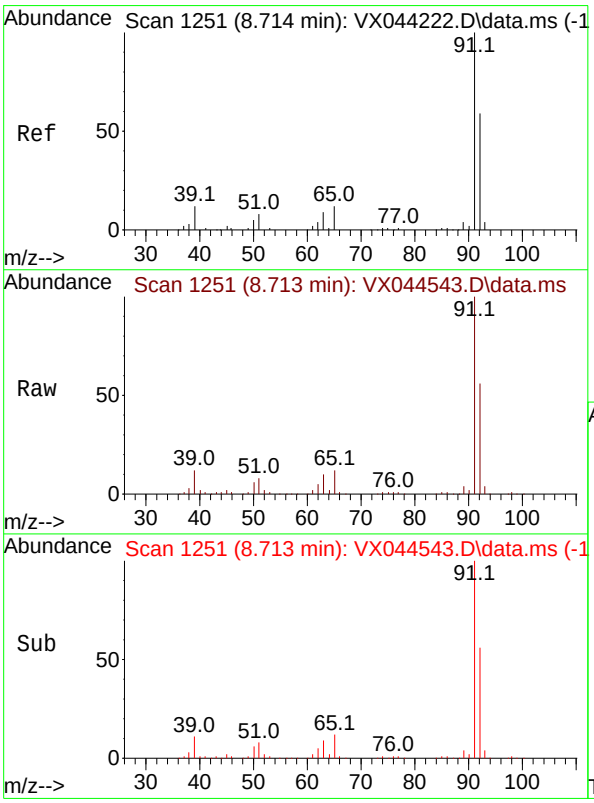
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.1 | 29.4 | 44.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

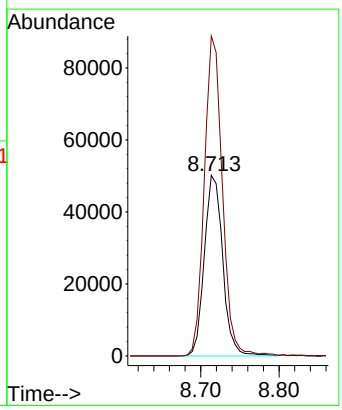


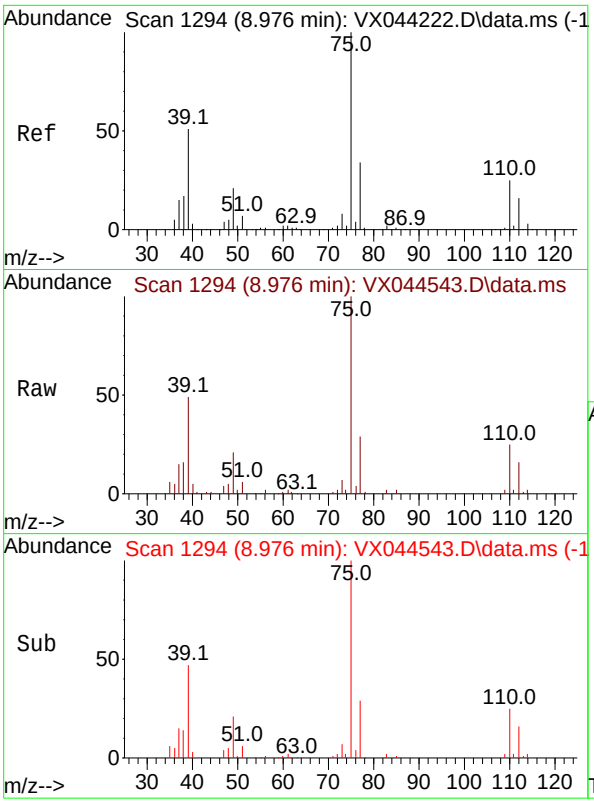




#52
Toluene
Concen: 18.868 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 92 Resp: 81853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.8 | 137.0 | 205.6 |

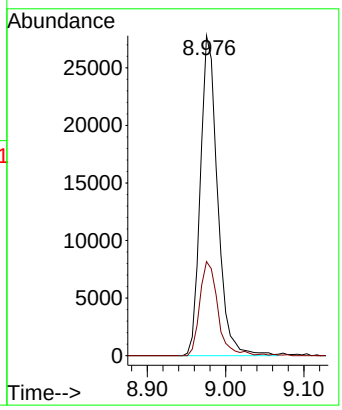





#53
t-1,3-Dichloropropene
Concen: 17.946 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 4246

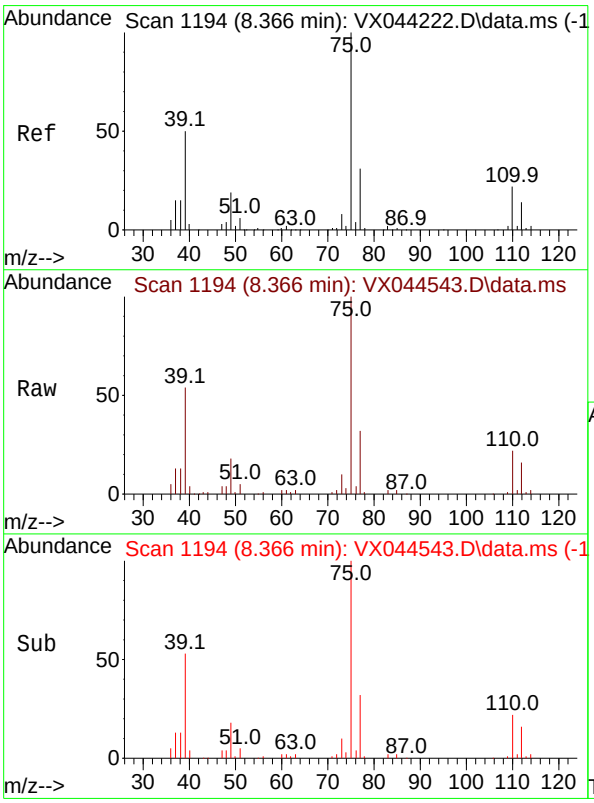
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.4 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

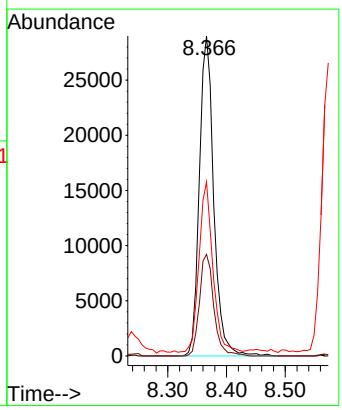
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

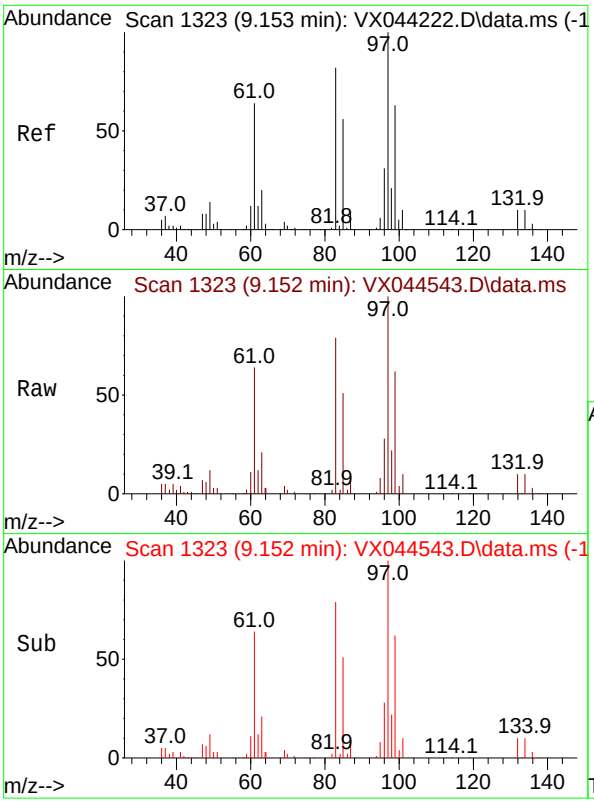



#54
cis-1,3-Dichloropropene
Concen: 19.180 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 49386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 24.7 | 37.1 |
| 39 | 53.3 | 40.3 | 60.5 |

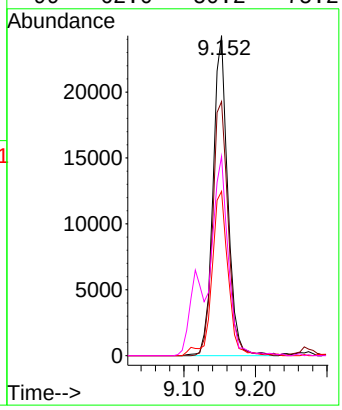





#55
1,1,2-Trichloroethane
Concen: 20.166 ug/l
RT: 9.152 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 97 Resp: 3475

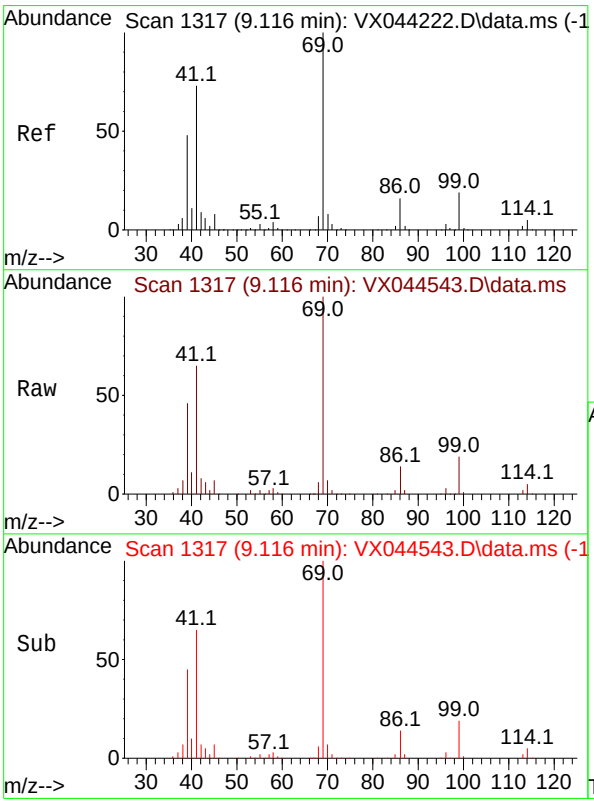
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 79.4 | 65.3 | 97.9 |
| 85 | 51.4 | 44.6 | 67.0 |
| 99 | 62.0 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

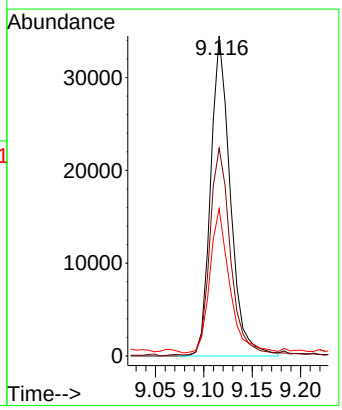
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

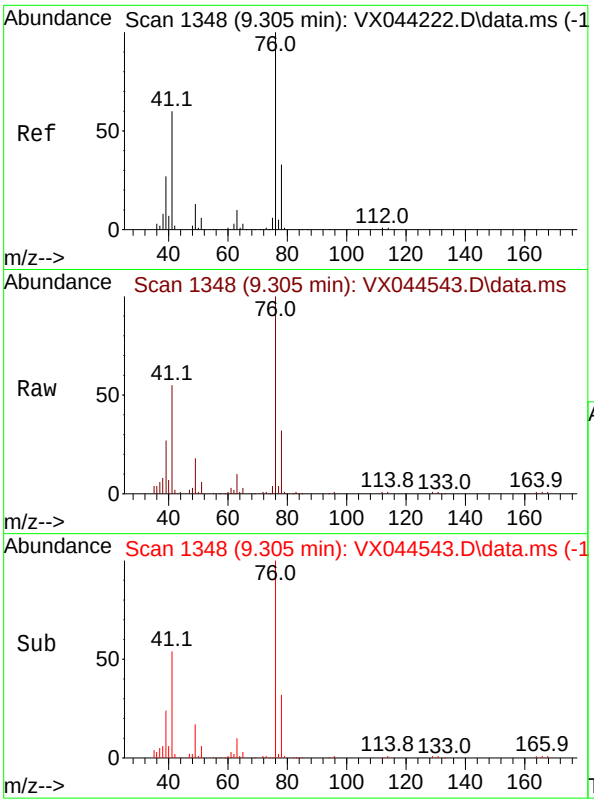



#56
Ethyl methacrylate
Concen: 17.884 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 69 Resp: 48658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.2 | 56.6 | 85.0 |
| 39 | 45.6 | 37.4 | 56.0 |

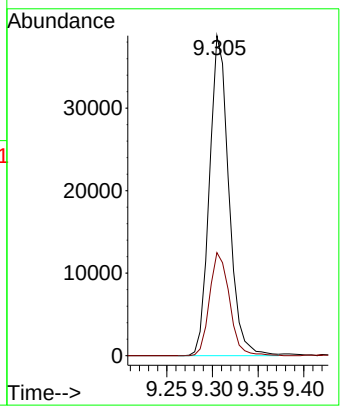





#57
1,3-Dichloropropane
Concen: 19.017 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 76 Resp: 5704

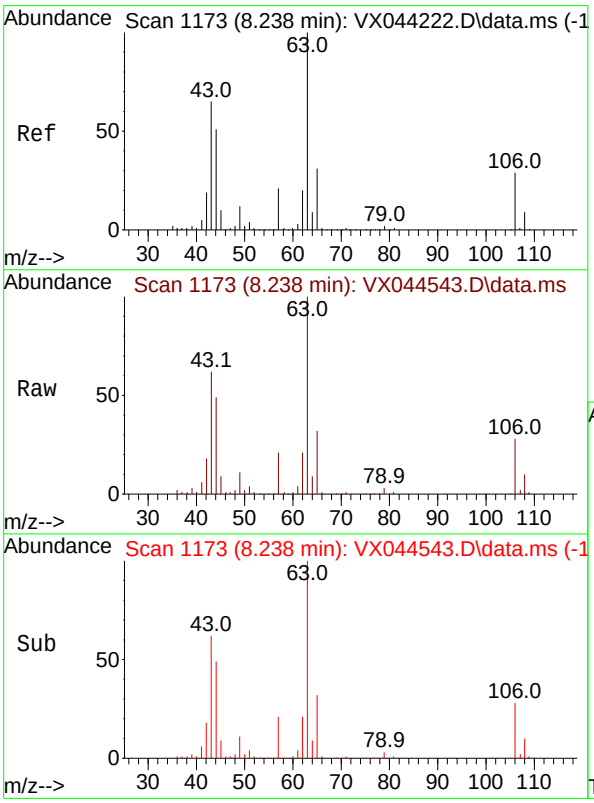
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.1 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

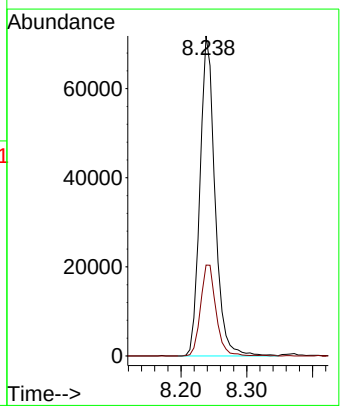
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

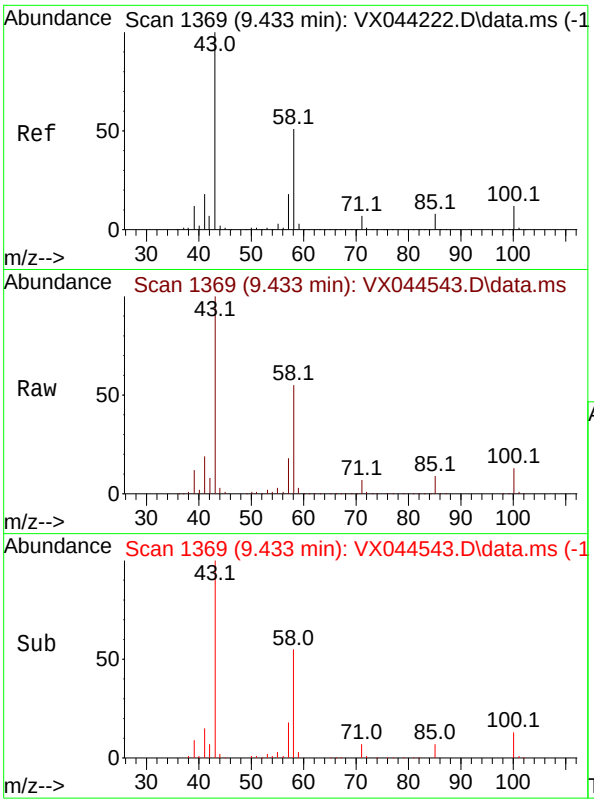



#58
2-Chloroethyl Vinyl ether
Concen: 82.945 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 63 Resp: 113825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.3 | 22.8 | 34.2 |






#59
2-Hexanone
Concen: 90.950 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

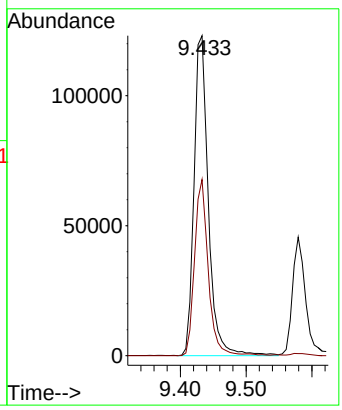
Tgt Ion: 43 Resp: 18608

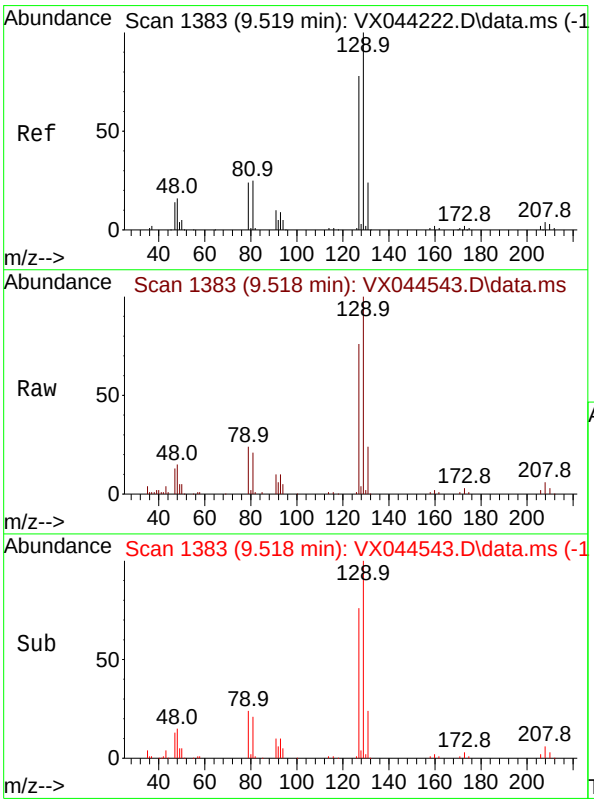
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

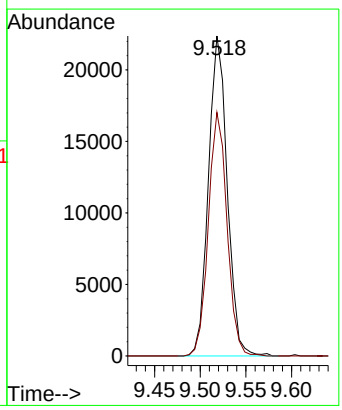


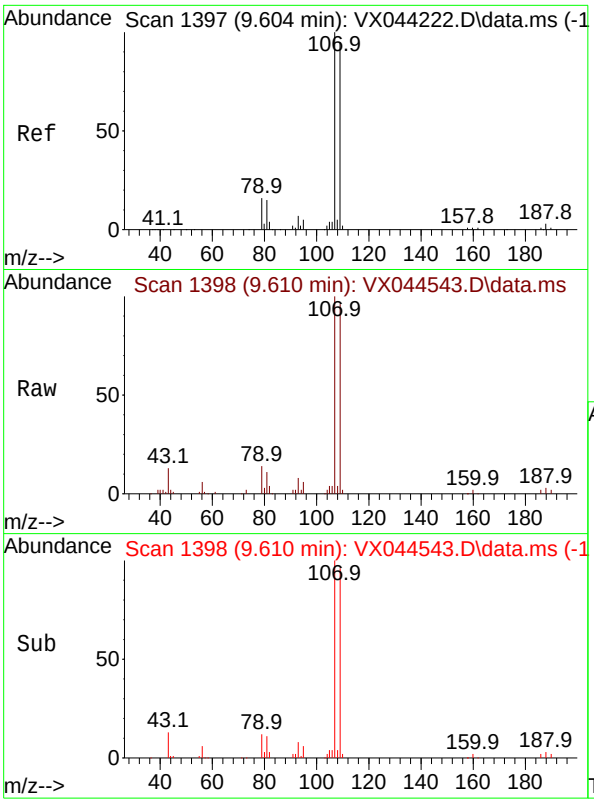




#60
Dibromochloromethane
Concen: 18.797 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:129 Resp: 31945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.7 | 38.5 | 115.3 |






#61
1,2-Dibromoethane
Concen: 19.998 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

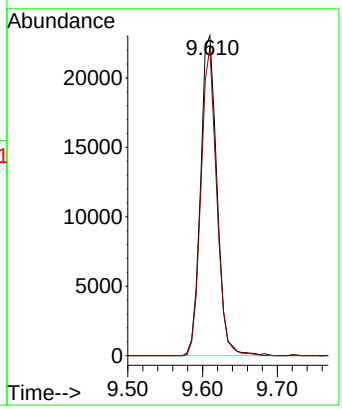
Tgt Ion:107 Resp: 3508

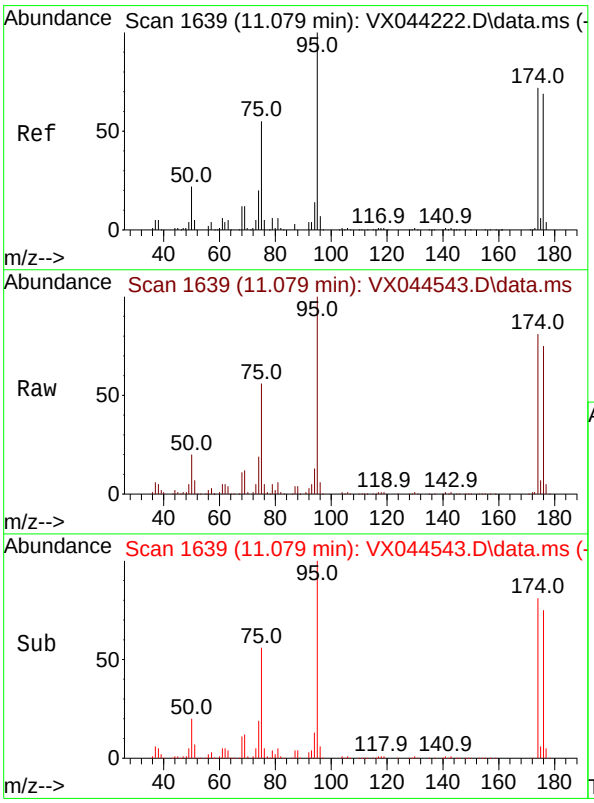
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.8 | 77.0 | 115.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

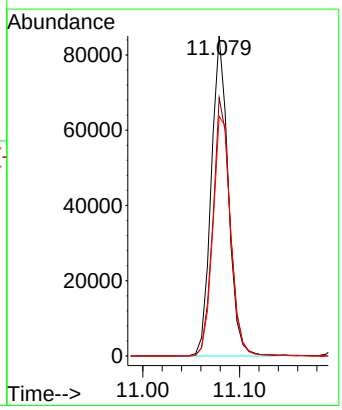


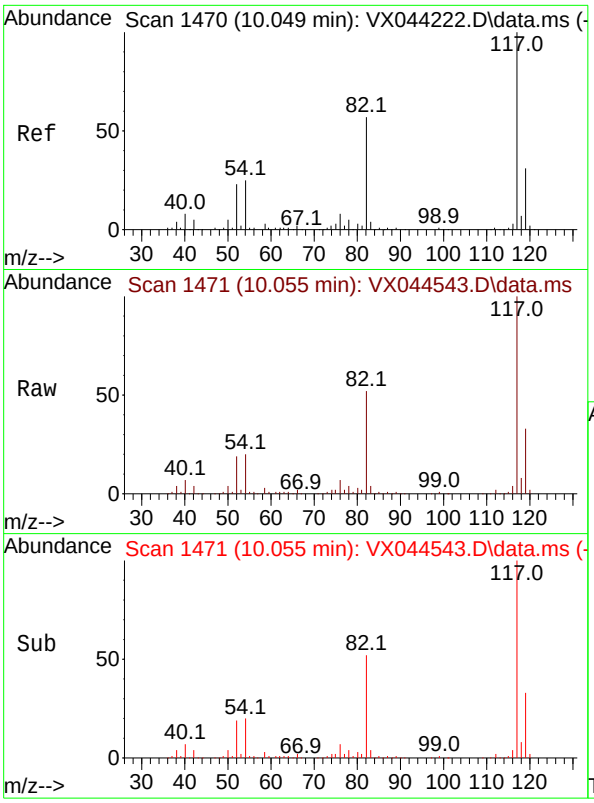




#62
4-Bromofluorobenzene
Concen: 50.111 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 95 Resp: 103985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.8 | 0.0 | 145.8 |
| 176 | 78.6 | 0.0 | 137.8 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

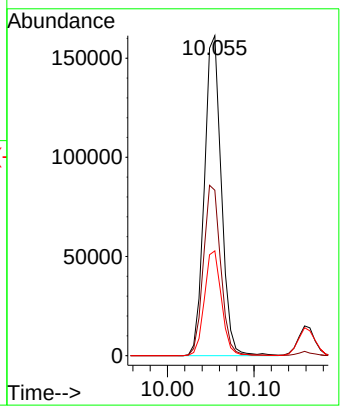
Tgt Ion:117 Resp: 219785

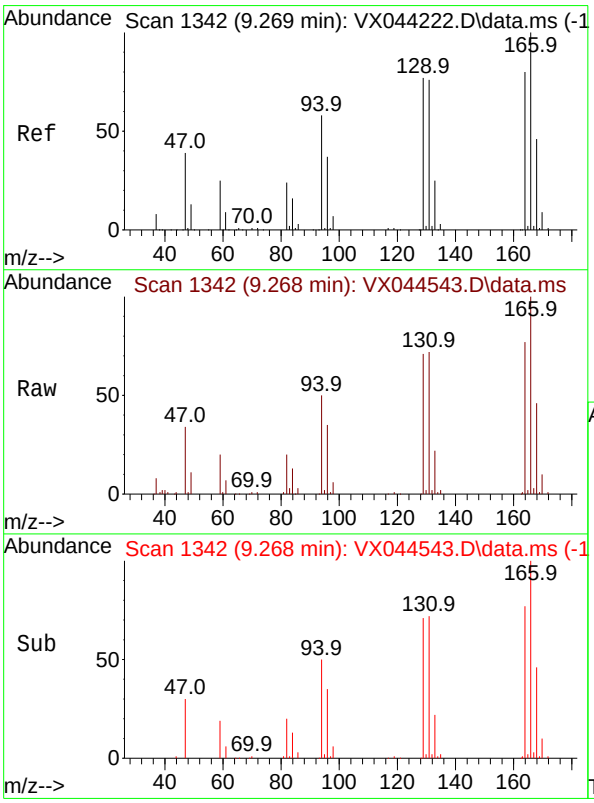
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.7 | 45.8 | 68.8 |
| 119 | 32.7 | 25.0 | 37.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

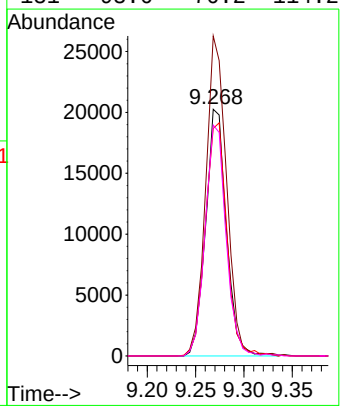


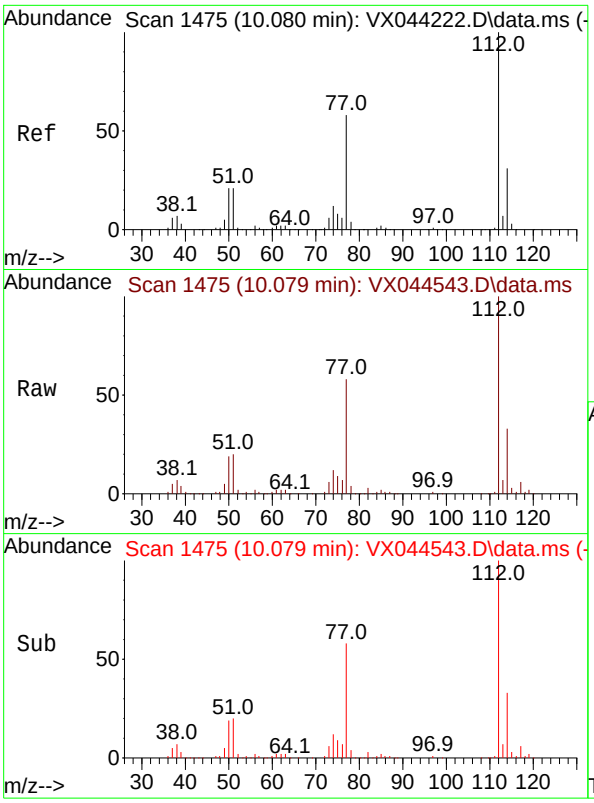




#64
Tetrachloroethene
Concen: 20.671 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:164 Resp: 30154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.7 | 100.4 | 150.6 |
| 129 | 92.2 | 77.2 | 115.8 |
| 131 | 93.6 | 76.2 | 114.2 |






#65
Chlorobenzene
Concen: 19.326 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

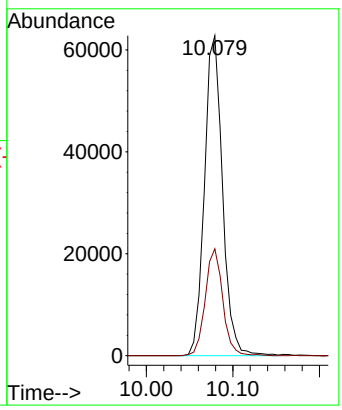
Tgt Ion:112 Resp: 9101

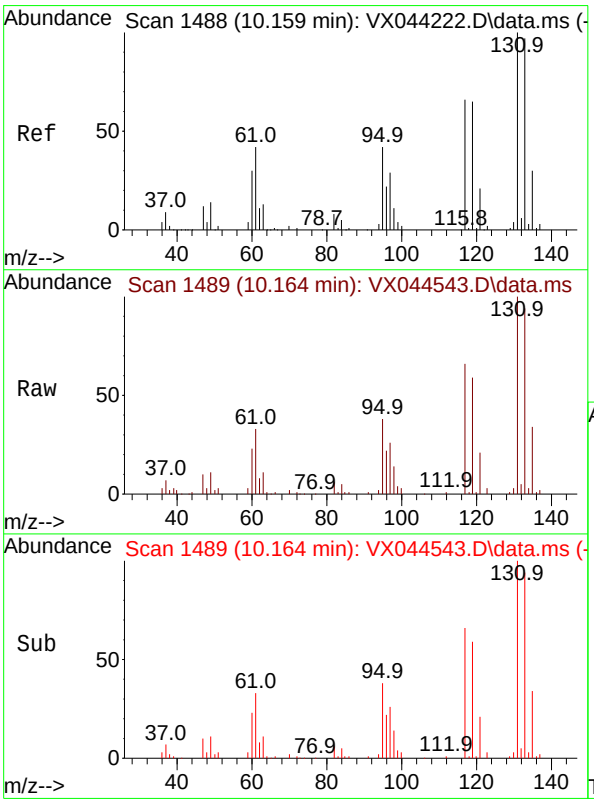
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.4 | 25.0 | 37.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

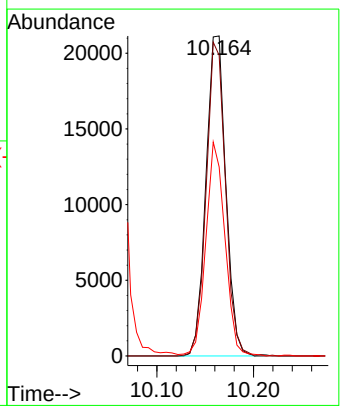


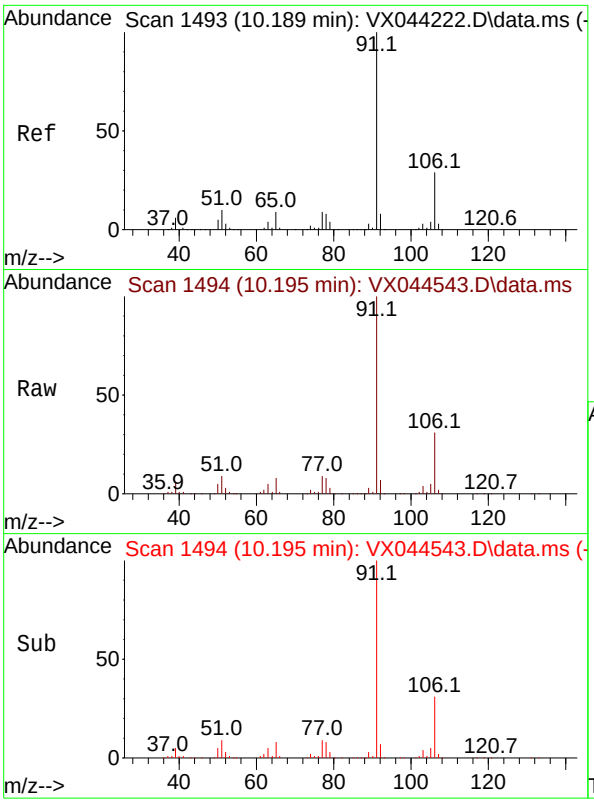




#66
1,1,1,2-Tetrachloroethane
Concen: 19.937 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:131 Resp: 30176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.6 | 47.3 | 141.8 |
| 119 | 64.3 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 18.997 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 15458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 23.5 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
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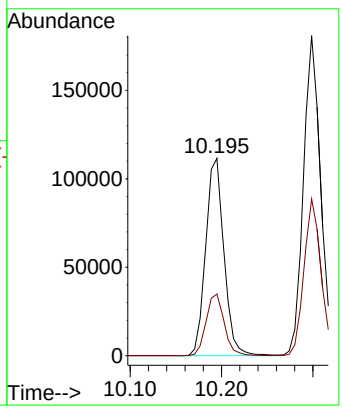
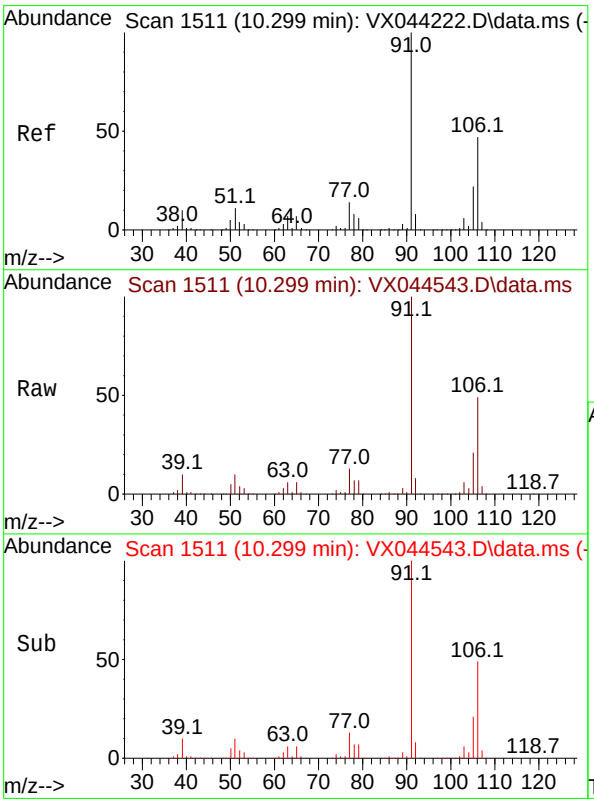
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

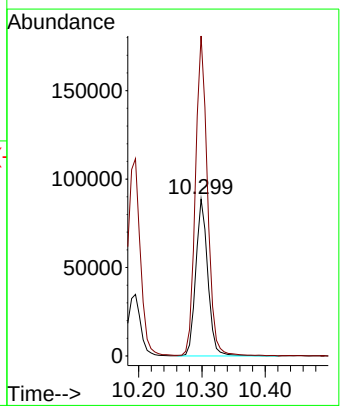


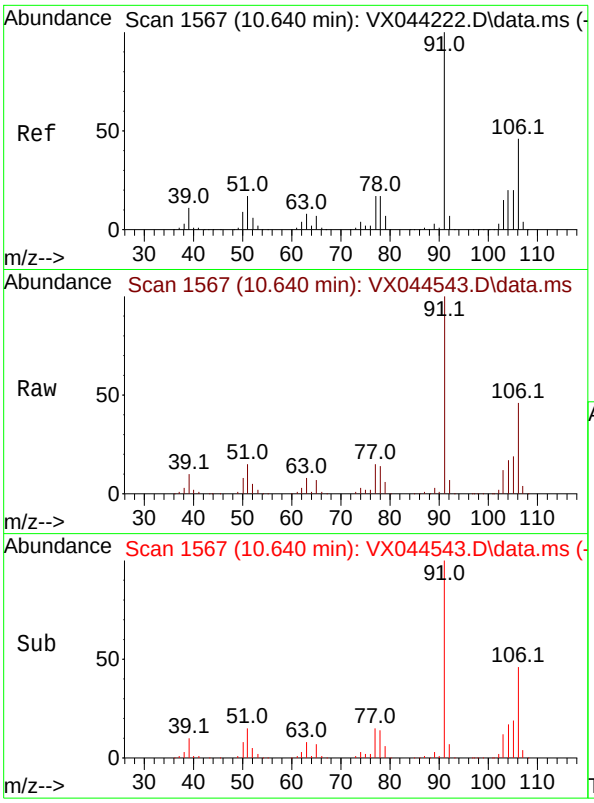




#68
m/p-Xylenes
Concen: 39.398 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:106 Resp: 117637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.2 | 170.2 | 255.2 |

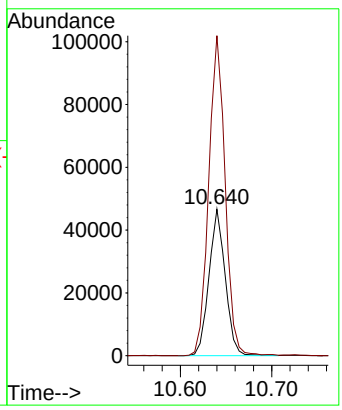





#69
o-Xylene
Concen: 19.067 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:106 Resp: 5760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.3 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

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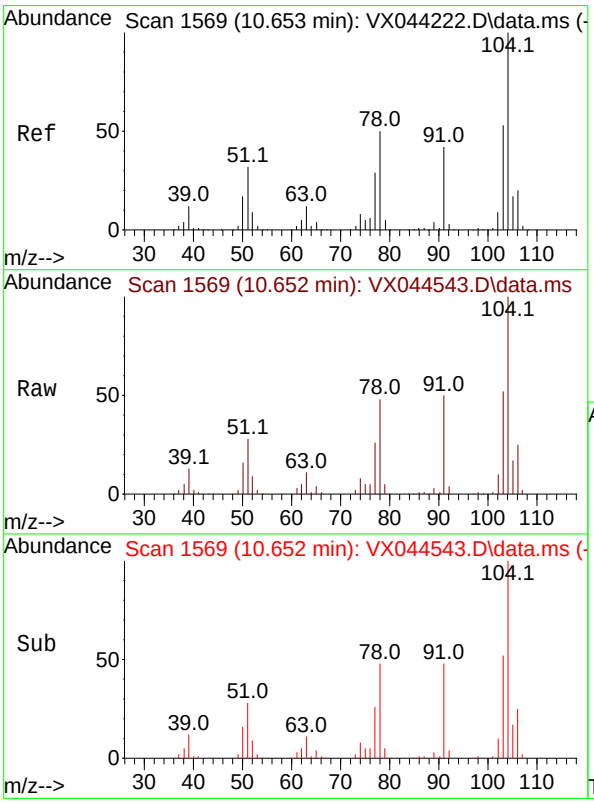
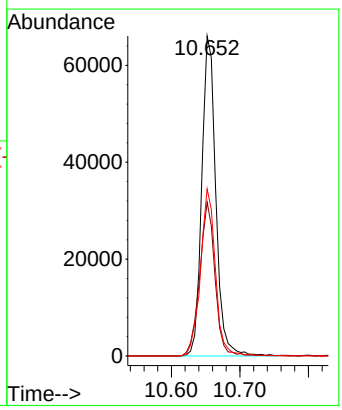
Supervised By :Mahesh Dadoda 12/31/2024

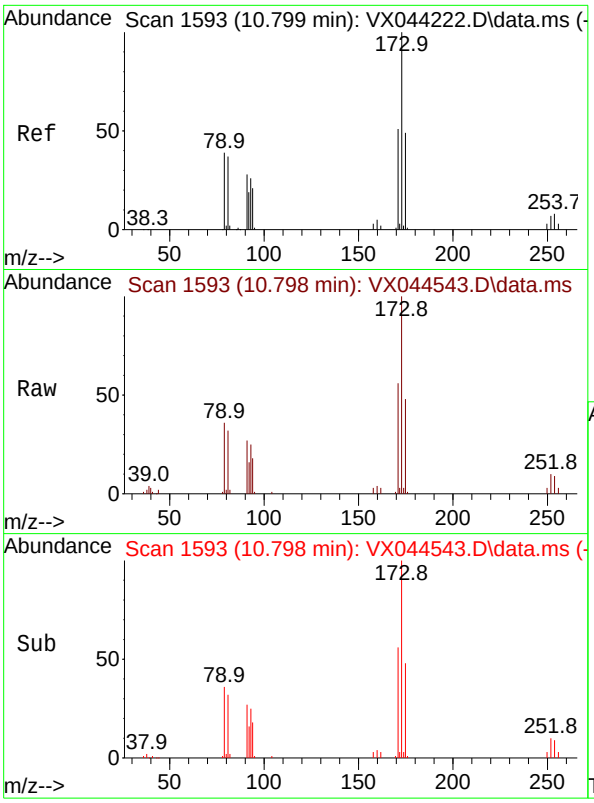



#70
Styrene
Concen: 19.528 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:104 Resp: 94578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 44.6 | 67.0 |
| 103 | 55.7 | 45.4 | 68.0 |






#71
Bromoform
Concen: 20.029 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:173 Resp: 1907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

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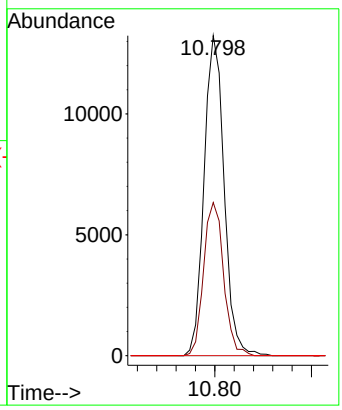
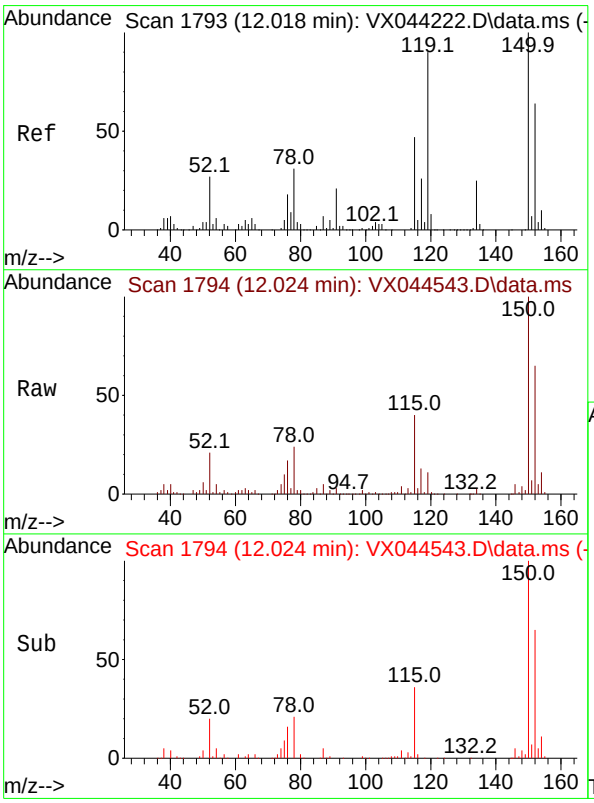
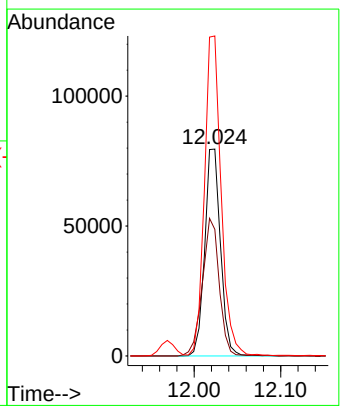


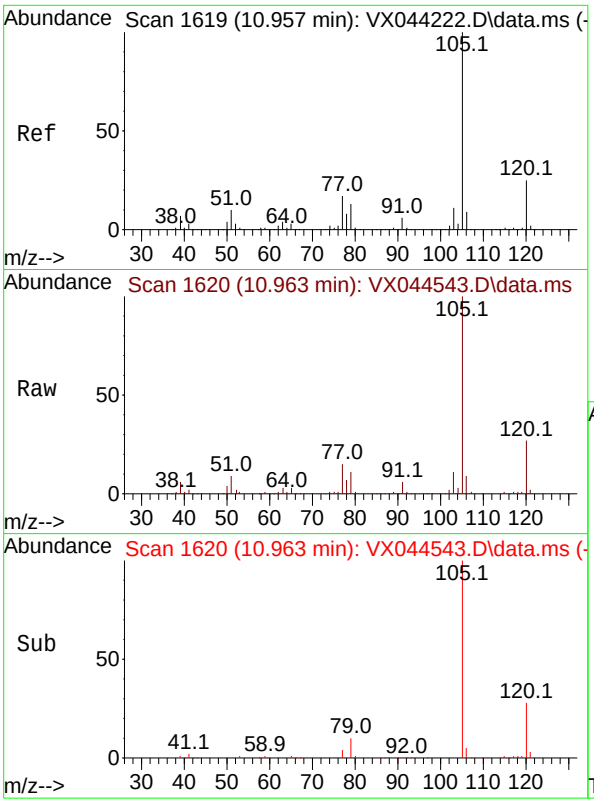




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:152 Resp: 100843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.1 | 44.5 | 133.3 |
| 150 | 162.8 | 0.0 | 353.8 |






#73
Isopropylbenzene
Concen: 19.536 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

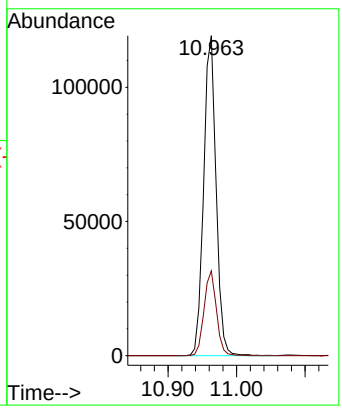
Tgt Ion:105 Resp: 15081

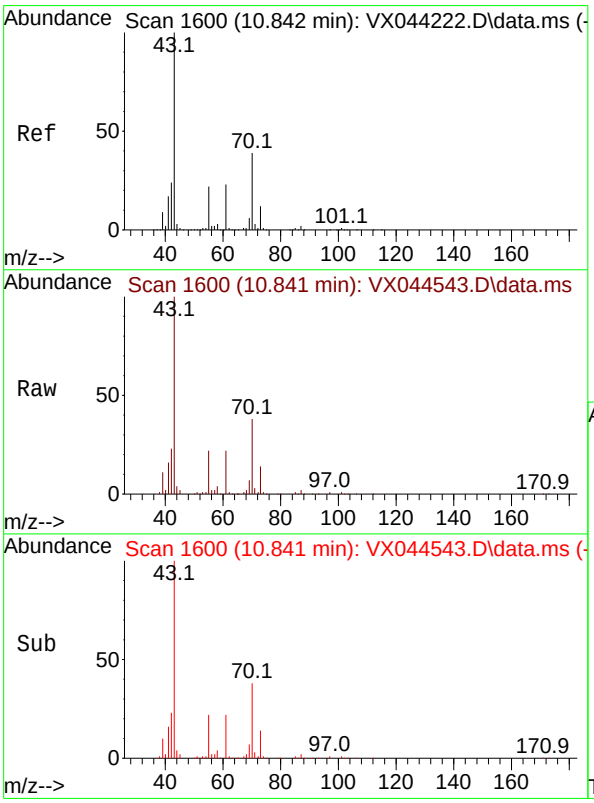
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.1 | 39.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

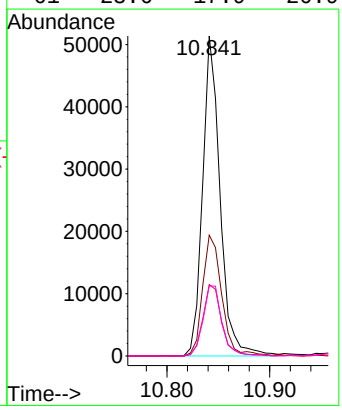


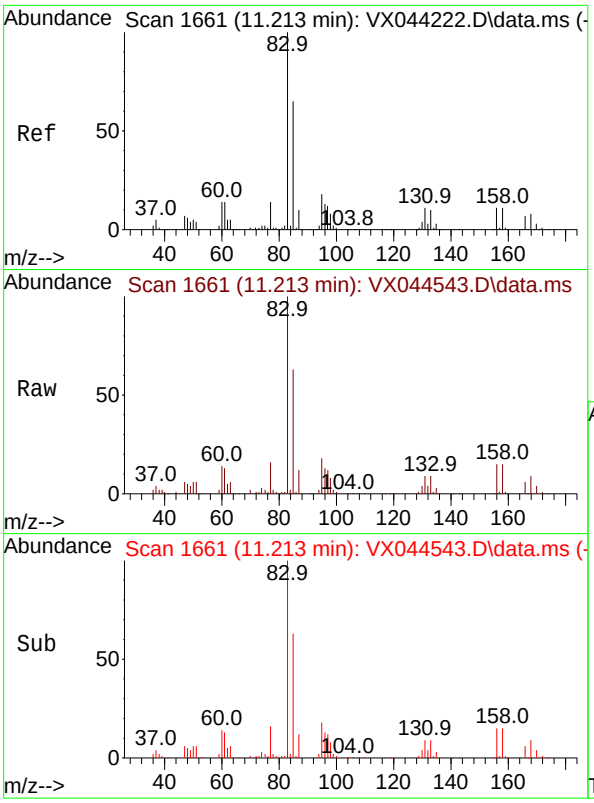




#74
N-amyl acetate
Concen: 17.065 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 60883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.2 | 31.9 | 47.9 |
| 55 | 23.9 | 17.9 | 26.9 |
| 61 | 23.6 | 17.9 | 26.9 |

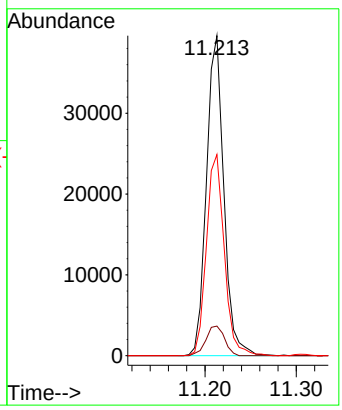





#75
1,1,2,2-Tetrachloroethane
Concen: 19.420 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 83 Resp: 5207

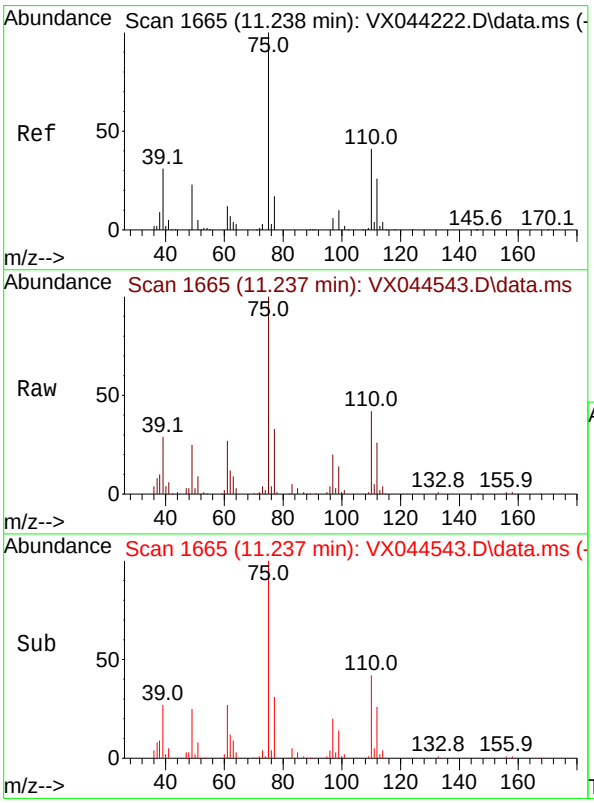
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 64.8 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

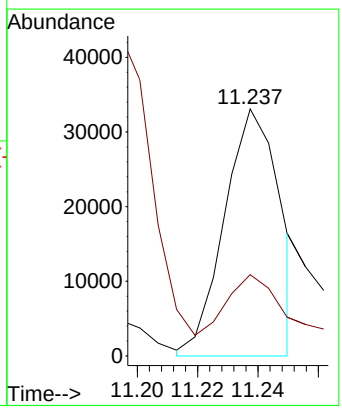
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

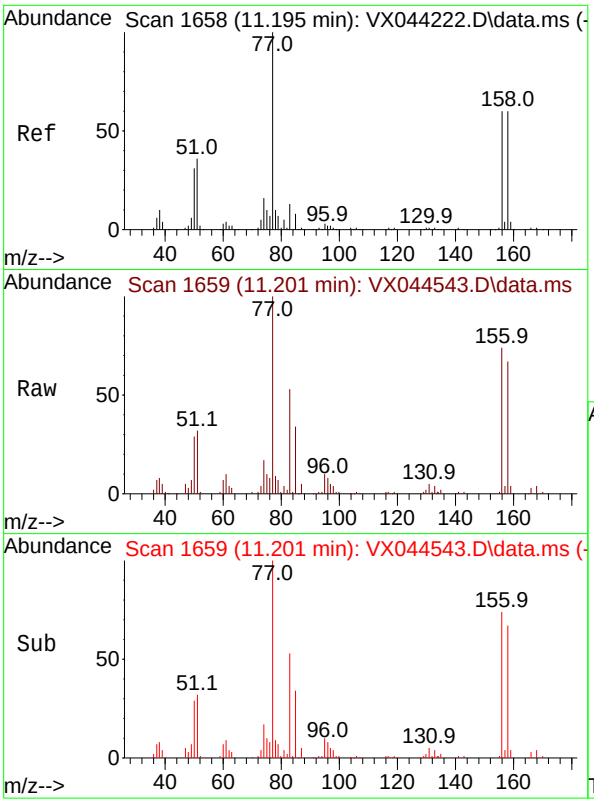



#76
1,2,3-Trichloropropane
Concen: 18.762 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 42245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.4 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 20.493 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

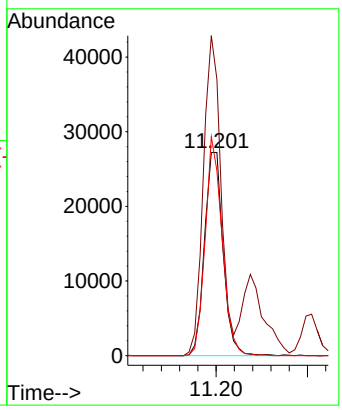
Tgt Ion:156 Resp: 3836

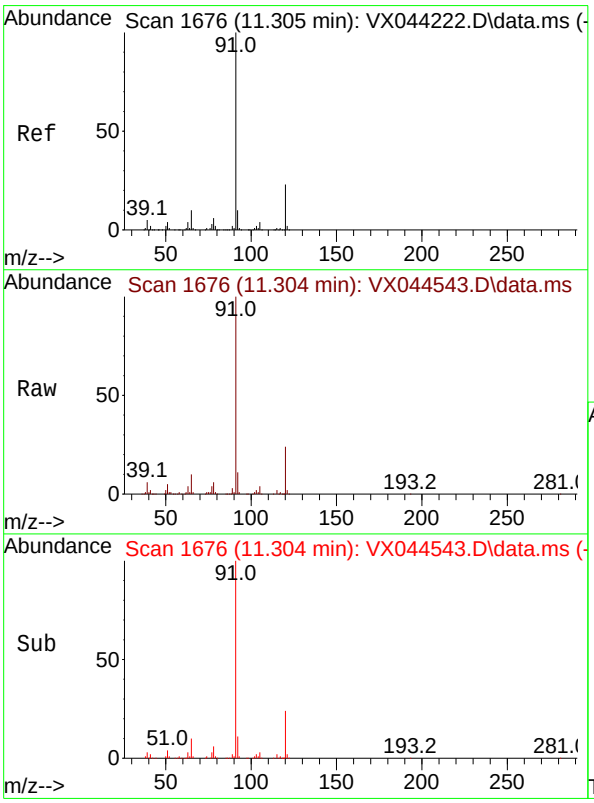
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 148.4 | 82.6 | 247.8 |
| 158 | 98.4 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

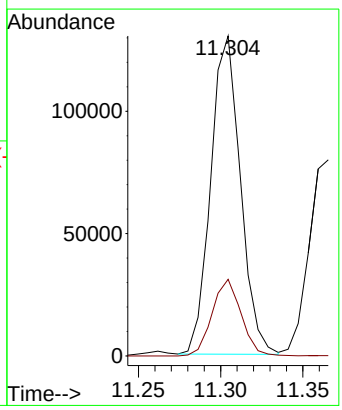


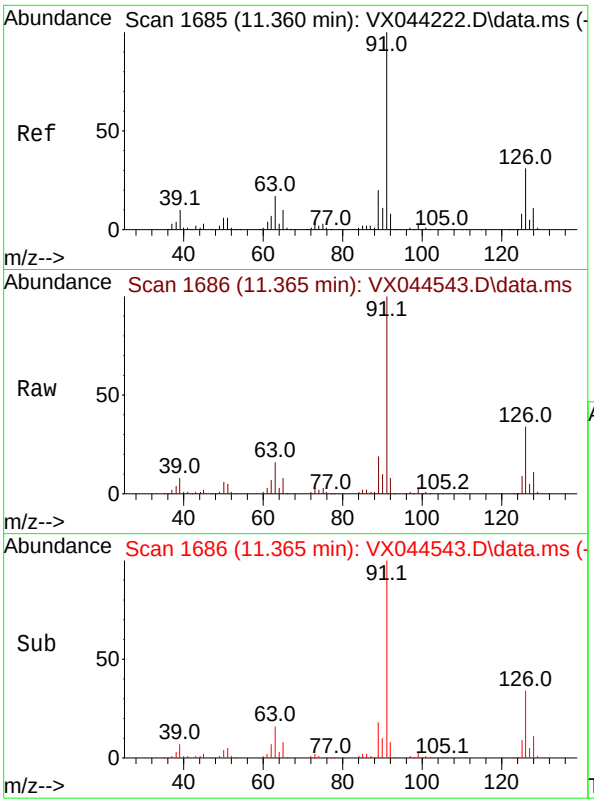




#78
n-propylbenzene
Concen: 19.181 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 163660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.6 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 18.903 ug/l
RT: 11.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

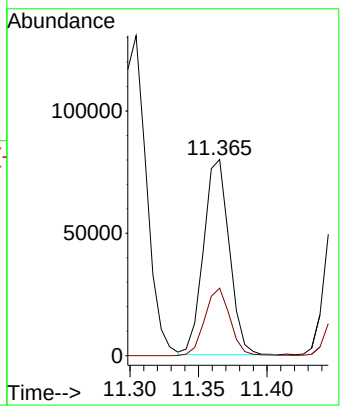
Tgt Ion: 91 Resp: 10431

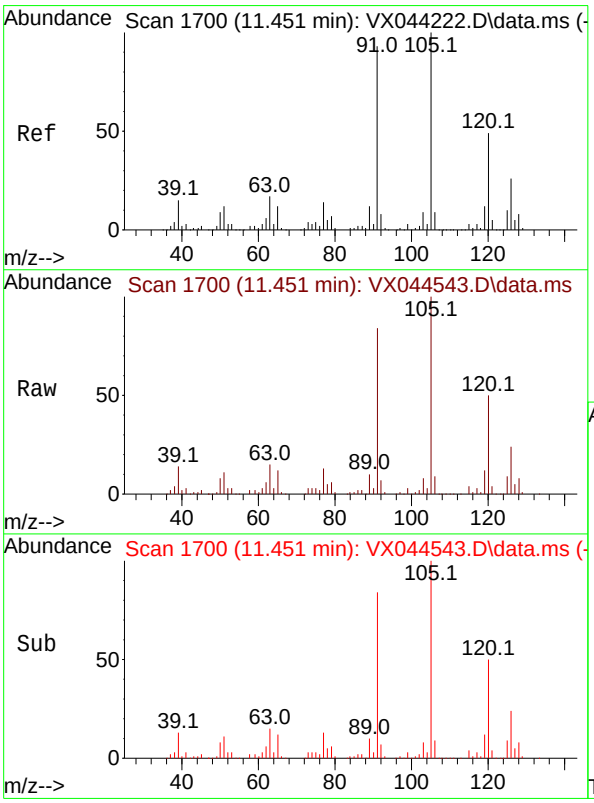
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

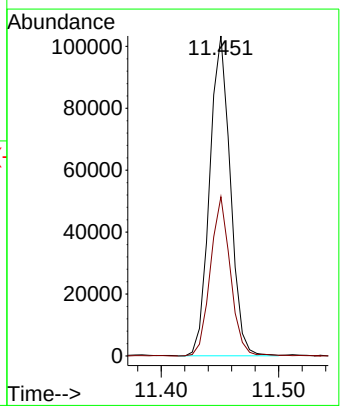


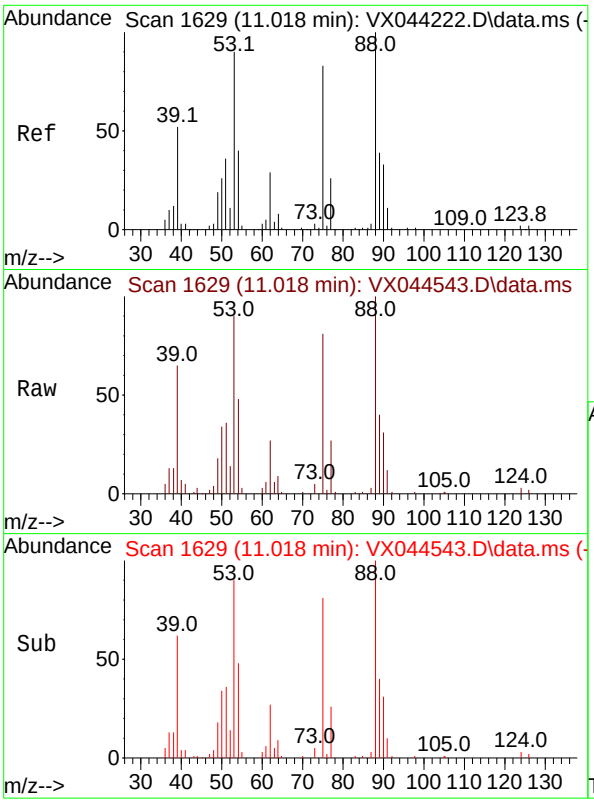




#80
1,3,5-Trimethylbenzene
Concen: 19.674 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:105 Resp: 125956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 19.517 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

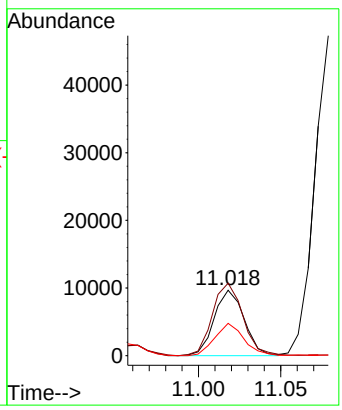
Tgt Ion: 75 Resp: 1232

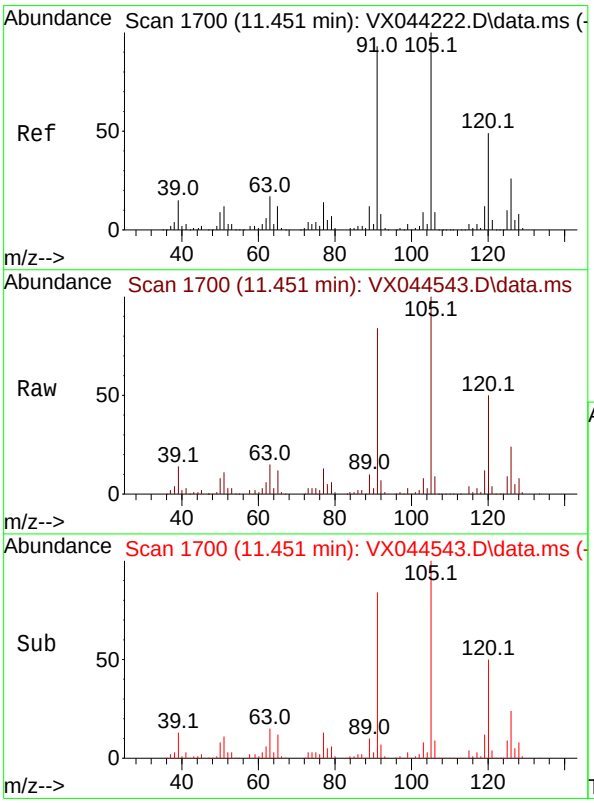
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 112.6 | 93.6 | 140.4 |
| 89 | 47.7 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

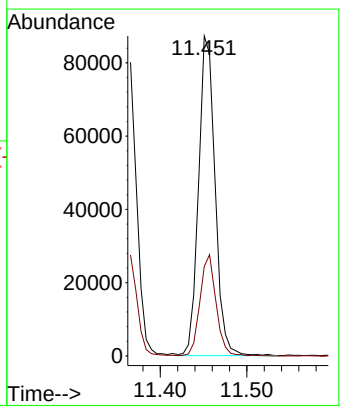


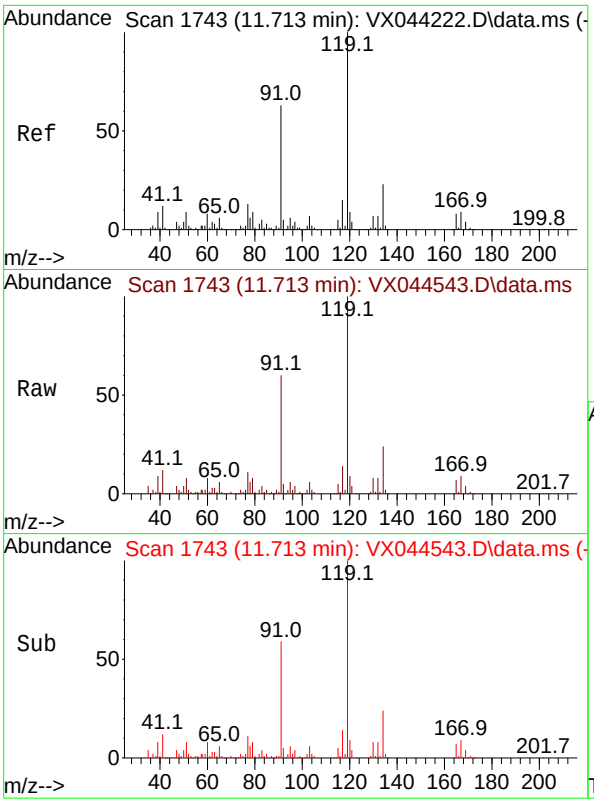




#82
4-Chlorotoluene
Concen: 18.905 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 115520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.0 | 14.5 | 43.5 |






#83
tert-Butylbenzene
Concen: 19.605 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

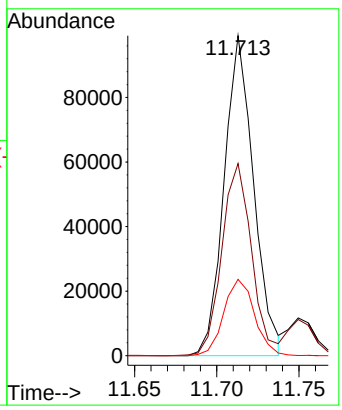
Tgt Ion:119 Resp: 12403

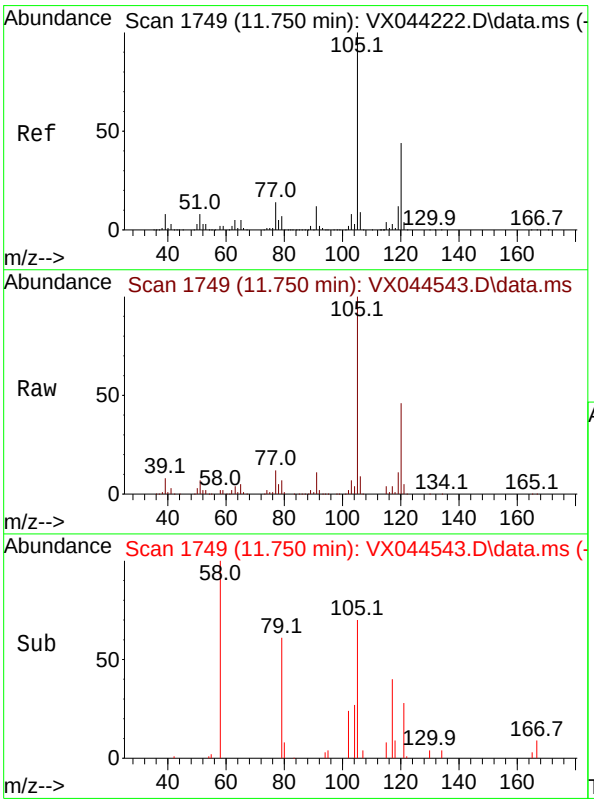
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.7 | 30.9 | 92.5 |
| 134 | 24.9 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

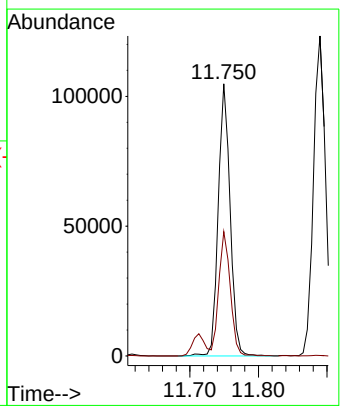


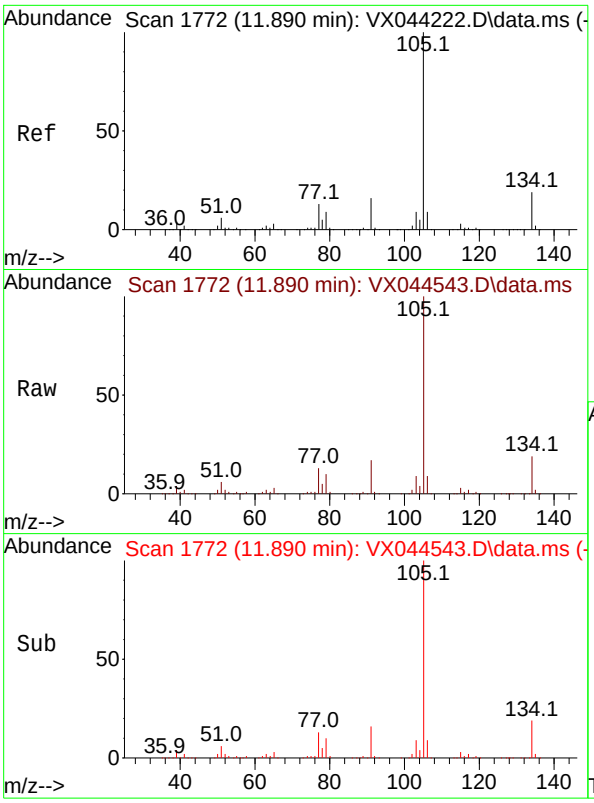




#84
1,2,4-Trimethylbenzene
Concen: 20.023 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:105 Resp: 125891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 19.820 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

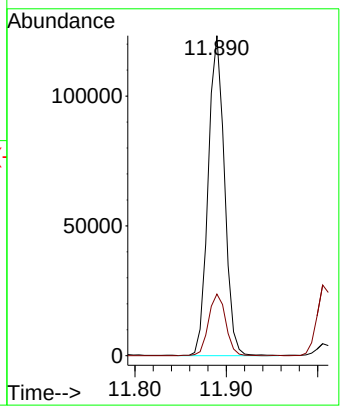
Tgt Ion:105 Resp: 15223

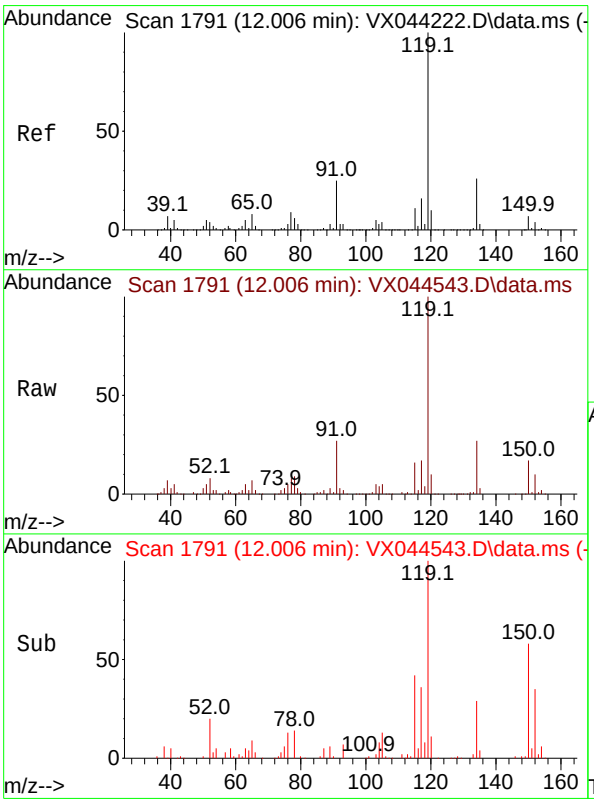
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

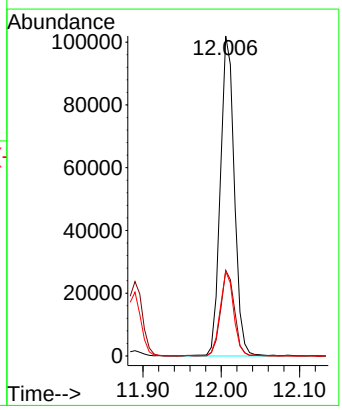


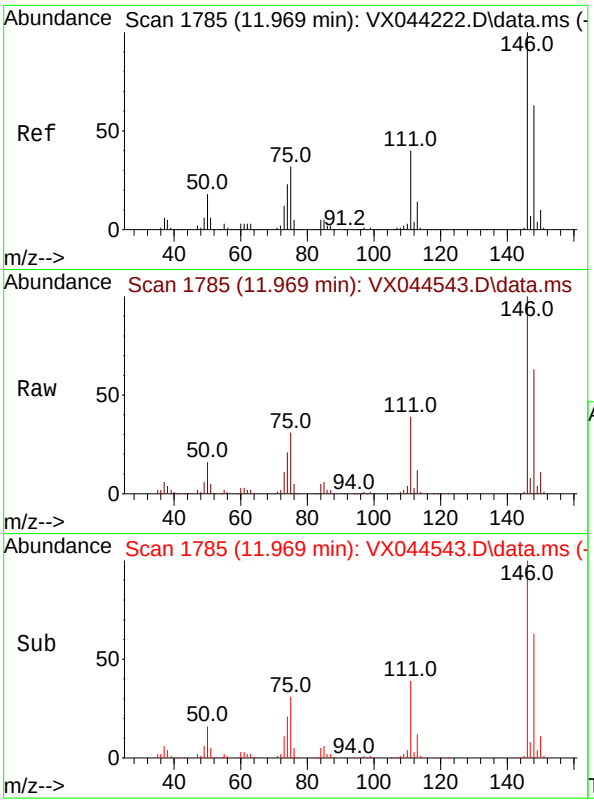




#86
p-Isopropyltoluene
Concen: 19.824 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:119 Resp: 126730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.6 | 12.8 | 38.4 |
| 91 | 25.8 | 13.0 | 39.0 |

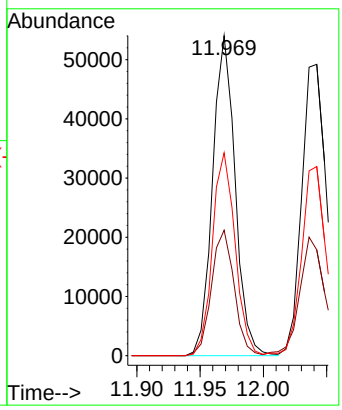





#87
1,3-Dichlorobenzene
Concen: 20.481 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:146 Resp: 6697

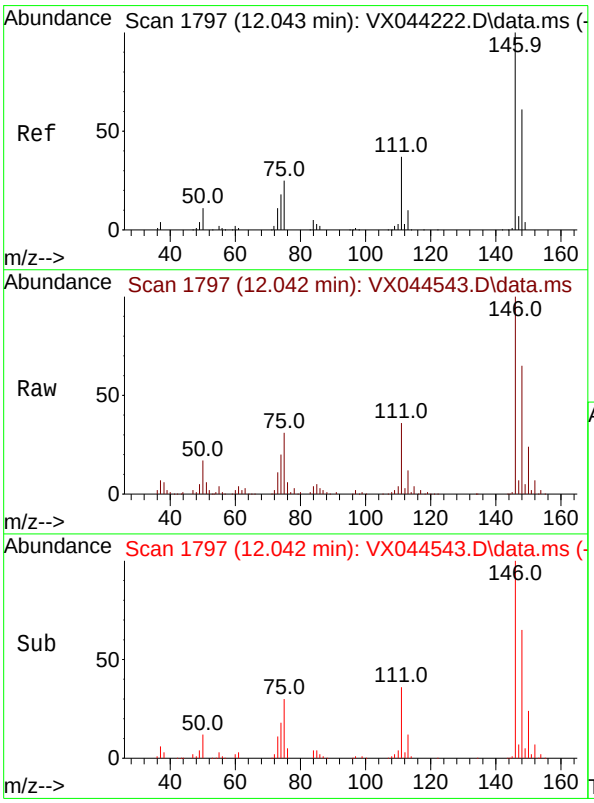
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.4 | 21.4 | 64.2 |
| 148 | 63.7 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

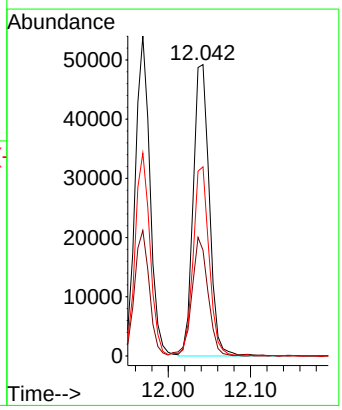
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

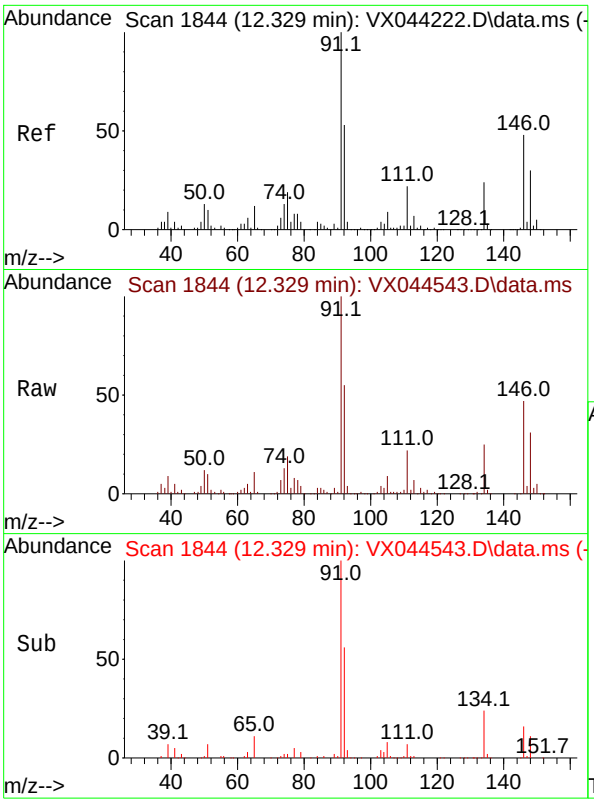



#88
1,4-Dichlorobenzene
Concen: 19.967 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:146 Resp: 67120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 21.0 | 63.0 |
| 148 | 64.5 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 19.065 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

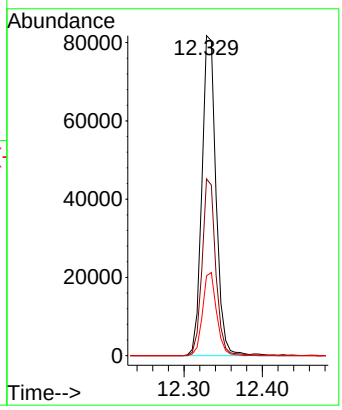
Tgt Ion: 91 Resp: 10248

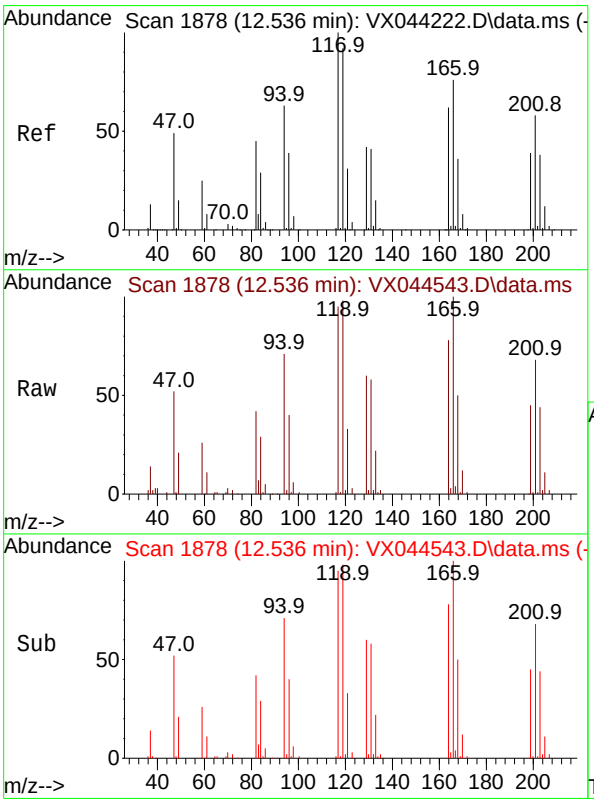
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 26.6 | 79.7 |
| 134 | 25.7 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

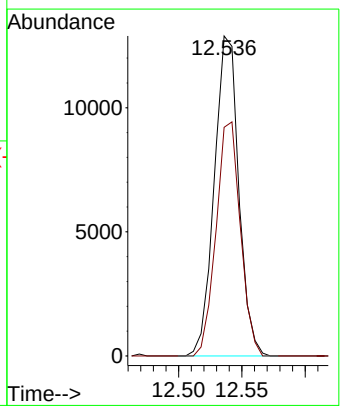


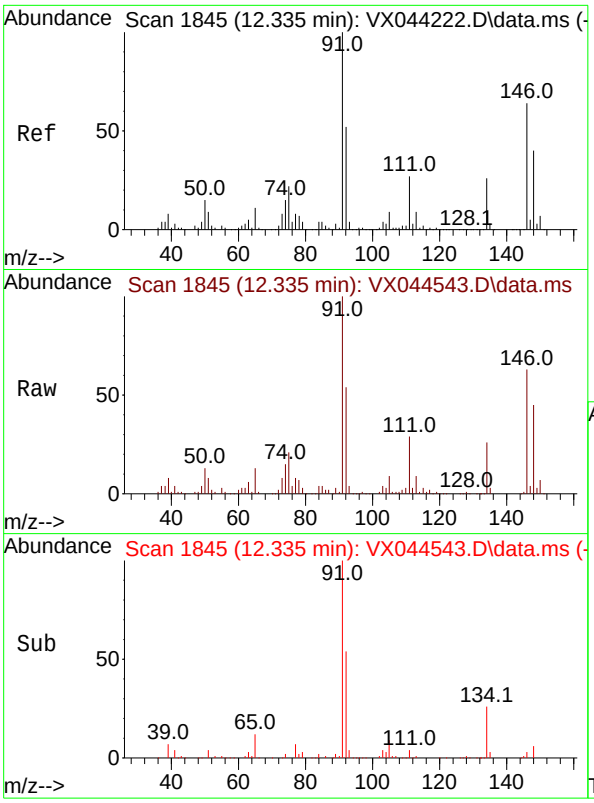




#90
Hexachloroethane
Concen: 18.544 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:117 Resp: 17305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.7 | 31.4 | 94.2 |

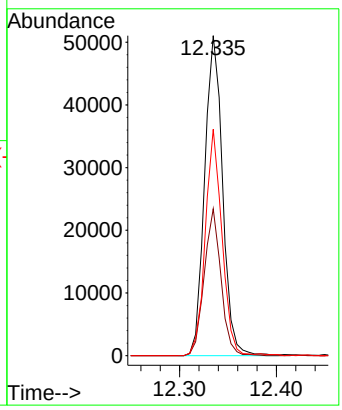





#91
1,2-Dichlorobenzene
Concen: 19.354 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:146 Resp: 6571

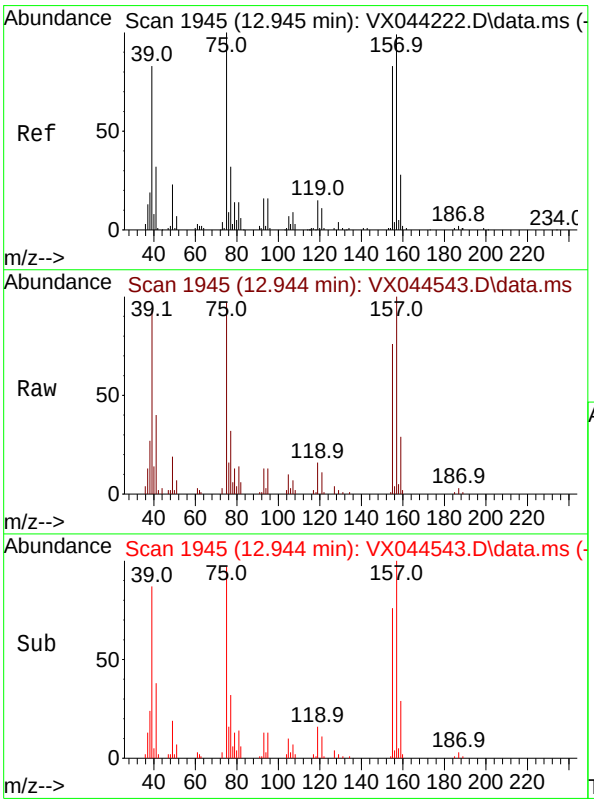
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.4 | 64.3 |
| 148 | 66.2 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

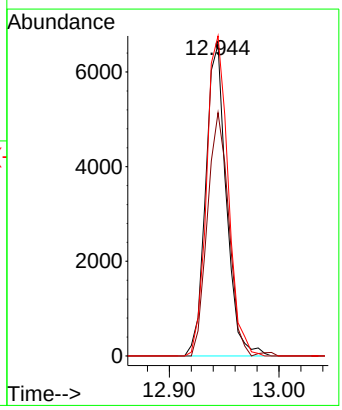
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

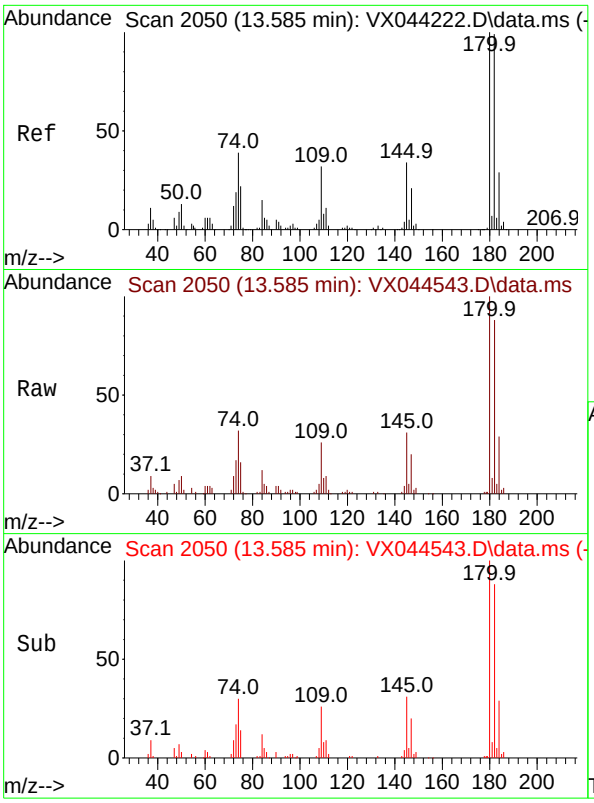



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.555 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 8617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.8 | 38.1 | 114.3 |
| 157 | 107.0 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 20.671 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

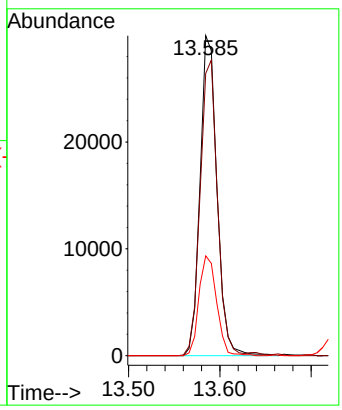
Tgt Ion:180 Resp: 3847

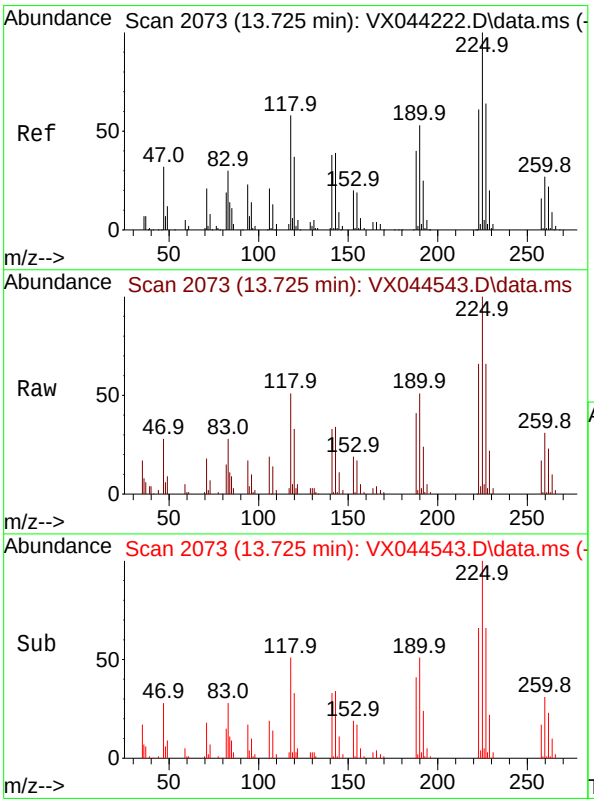
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 48.0 | 144.2 |
| 145 | 32.5 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

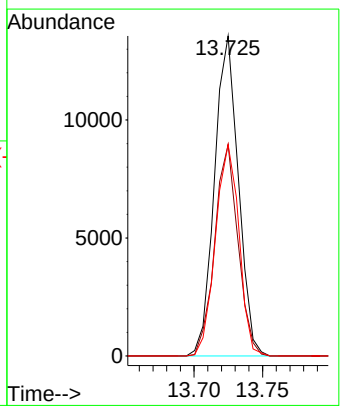


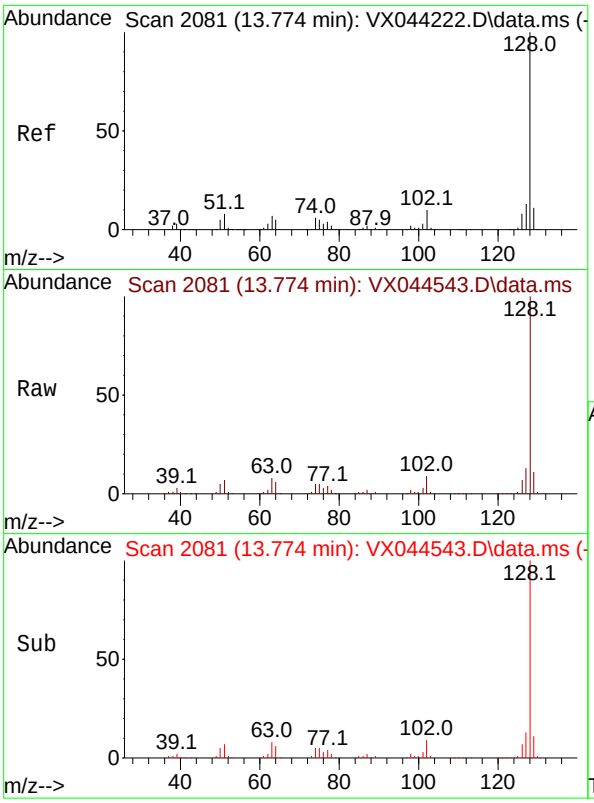




#94
Hexachlorobutadiene
Concen: 21.939 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:225 Resp: 16427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.4 | 30.8 | 92.4 |
| 227 | 64.9 | 32.1 | 96.3 |






#95
Naphthalene
Concen: 18.521 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

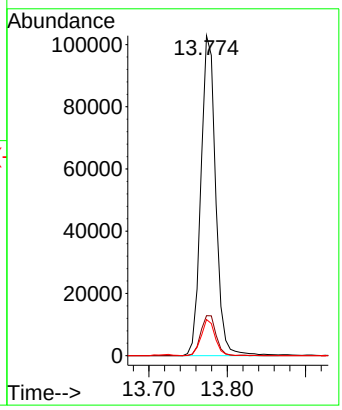
Tgt Ion:128 Resp: 13457

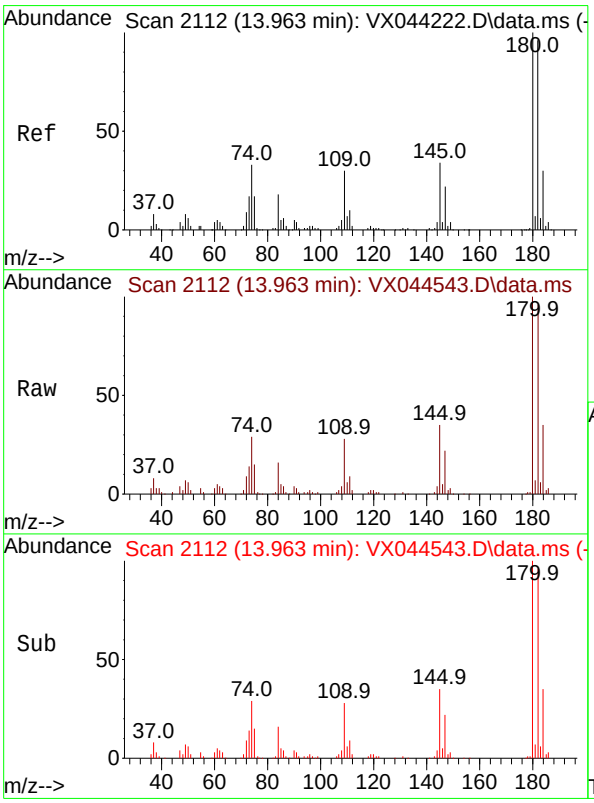
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

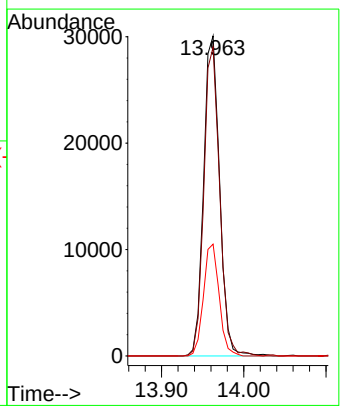



#96
1,2,3-Trichlorobenzene
Concen: 20.557 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:180 Resp: 40587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 48.0 | 144.0 |
| 145 | 34.2 | 17.7 | 53.1 |



Raw Data: **VX044417.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217MS | SDG No.: | P5317 |
| Lab Sample ID: | P5317-19MS | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044417.D | 1 | | 12/19/24 06:28 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 54.6 | | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 56.4 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 54.0 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 50.1 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 55.8 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 44.0 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 58.1 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 56.9 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 230 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 52.7 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 49.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 42.6 | | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 53.3 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 53.6 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 53.4 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 51.2 | | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 250 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 51.8 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 52.6 | | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 50.6 | | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 51.3 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 51.2 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 52.6 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 55.3 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 52.0 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 190 | E | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 52.2 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 54.3 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 260 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 53.4 | | 0.18 | 0.50 | 1.00 | ug/L |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217MS | SDG No.: | P5317 |
| Lab Sample ID: | P5317-19MS | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044417.D | 1 | | 12/19/24 06:28 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 45.6 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 50.1 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 55.0 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 270 | | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 50.2 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 54.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 51.0 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 52.1 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 51.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 110 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 53.1 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 54.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 50.4 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 51.8 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50.8 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 52.3 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 50.9 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 50.9 | | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 47.3 | | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 52.1 | | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 50.4 | | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.1 | | 81 - 118 | | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 54.5 | | 80 - 119 | | 109% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 55.2 | | 89 - 112 | | 110% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 54.8 | | 85 - 114 | | 110% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 121000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 214000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 190000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 89300 | 12.018 | | | | |

Raw Data: **VX044417.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217MS | SDG No.: | P5317 |
| Lab Sample ID: | P5317-19MS | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044417.D | 1 | | 12/19/24 06:28 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044417.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044417.D
Acq On : 19 Dec 2024 06:28
Operator : JC/MD
Sample : P5317-19MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 07:13:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 120579 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 213617 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190465 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 89259 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 105971 | 50.125 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.240% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 80699 | 54.545 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 109.100% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 275601 | 55.215 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 110.440% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 95512 | 54.763 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 109.520% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 101840 | 54.622 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 100546 | 56.393 | ug/l | 99 |
| 4) Vinyl Chloride | 1.373 | 62 | 100314 | 54.006 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 66030 | 50.108 | ug/l | 99 |
| 6) Chloroethane | 1.660 | 64 | 64595 | 55.848 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 159830 | 43.953 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 59957 | 48.304 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 85466 | 58.083 | ug/l | 97 |
| 10) Methyl Iodide | 2.440 | 142 | 106760 | 55.050 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.995 | 59 | 70752 | 237.456 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 76884 | 56.886 | ug/l | 94 |
| 13) Acrolein | 2.239 | 56 | 108654 | 251.918 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 111120 | 49.361 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 218540 | 264.782 | ug/l | 98 |
| 16) Acetone | 2.392 | 43 | 197086 | 228.663 | ug/l | 93 |
| 17) Carbon Disulfide | 2.501 | 76 | 135299 | 52.664 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 94760 | 42.640 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 262360 | 49.744 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 86364 | 53.348 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 77018 | 53.619 | ug/l | 94 |
| 22) Diisopropyl ether | 3.763 | 45 | 257102 | 50.718 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 899088 | 218.156 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 150960 | 53.424 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 306611 | 250.229 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 66622 | 29.022 | ug/l | 92 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 95958 | 52.601 | ug/l | 93 |
| 28) Bromochloromethane | 4.891 | 49 | 70090 | 50.584 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 197080 | 250.581 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 162853 | 51.296 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 116900 | 51.232 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 134879 | 51.181 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 99689 | 52.127 | ug/l | 98 |
| 37) Ethyl Acetate | 4.714 | 43 | 103439 | 43.755 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.671 | 117 | 106720 | 51.832 | ug/l | 93 |
| 39) Methylcyclohexane | 7.372 | 83 | 120195 | 52.572 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 320899 | 55.265 | ug/l | 98 |

Sample Results: **VX044417.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044417.D
Acq On : 19 Dec 2024 06:28
Operator : JC/MD
Sample : P5317-19MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 19 07:13:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 63751 | 50.785 ug/l | 96 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 124414 | 52.015 ug/l | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 170996 | 46.279 ug/l | 99 |
| 44) Trichloroethene | 7.122 | 130 | 272774 | 188.381 ug/l | 100 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 77375 | 52.158 ug/l | 100 |
| 46) Dibromomethane | 7.580 | 93 | 62524 | 54.327 ug/l | 98 |
| 47) Bromodichloromethane | 7.817 | 83 | 107956 | 54.314 ug/l # | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 91092 | 50.787 ug/l | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 28445 | 956.536 ug/l # | 66 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 622807 | 262.151 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 194818 | 53.428 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 96722 | 45.626 ug/l | 96 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 108330 | 50.056 ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 79671 | 54.999 ug/l | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 122174 | 53.425 ug/l | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 133261 | 52.852 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.165 | 63 | 328 | 0.284 ug/l # | 46 |
| 59) 2-Hexanone | 9.433 | 43 | 455924 | 265.129 ug/l | 98 |
| 60) Dibromochloromethane | 9.518 | 129 | 77087 | 50.234 ug/l | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 80434 | 54.550 ug/l | 100 |
| 64) Tetrachloroethene | 9.268 | 164 | 64526 | 51.043 ug/l | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 212499 | 52.067 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 71222 | 54.299 ug/l | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 364782 | 51.729 ug/l | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 276393 | 106.816 ug/l | 96 |
| 69) o-Xylene | 10.640 | 106 | 139121 | 53.138 ug/l | 95 |
| 70) Styrene | 10.652 | 104 | 229145 | 54.597 ug/l | 97 |
| 71) Bromoform | 10.799 | 173 | 46210 | 50.371 ug/l # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 353672 | 51.758 ug/l | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 133021 | 42.122 ug/l | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 120537 | 50.787 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 97575m | 48.960 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 85100 | 51.358 ug/l | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 393213 | 52.064 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 241377 | 49.418 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 290026 | 51.181 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 25222 | 37.797 ug/l | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 275039 | 50.851 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 293206 | 52.357 ug/l | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 290913 | 52.275 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 347835 | 51.163 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 287333 | 50.779 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 151413 | 52.313 ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 151478 | 50.911 ug/l | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 239808 | 50.400 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 43066 | 52.138 ug/l | 96 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 152884 | 50.871 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 21771 | 47.254 ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 85895 | 52.132 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 33809 | 51.014 ug/l | 98 |
| 95) Naphthalene | 13.774 | 128 | 312358 | 48.567 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 88117 | 50.422 ug/l | 99 |

Sample Results: **VX044417.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044417.D
Acq On : 19 Dec 2024 06:28
Operator : JC/MD
Sample : P5317-19MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 07:13:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

Sample Results: **VX044417.D**

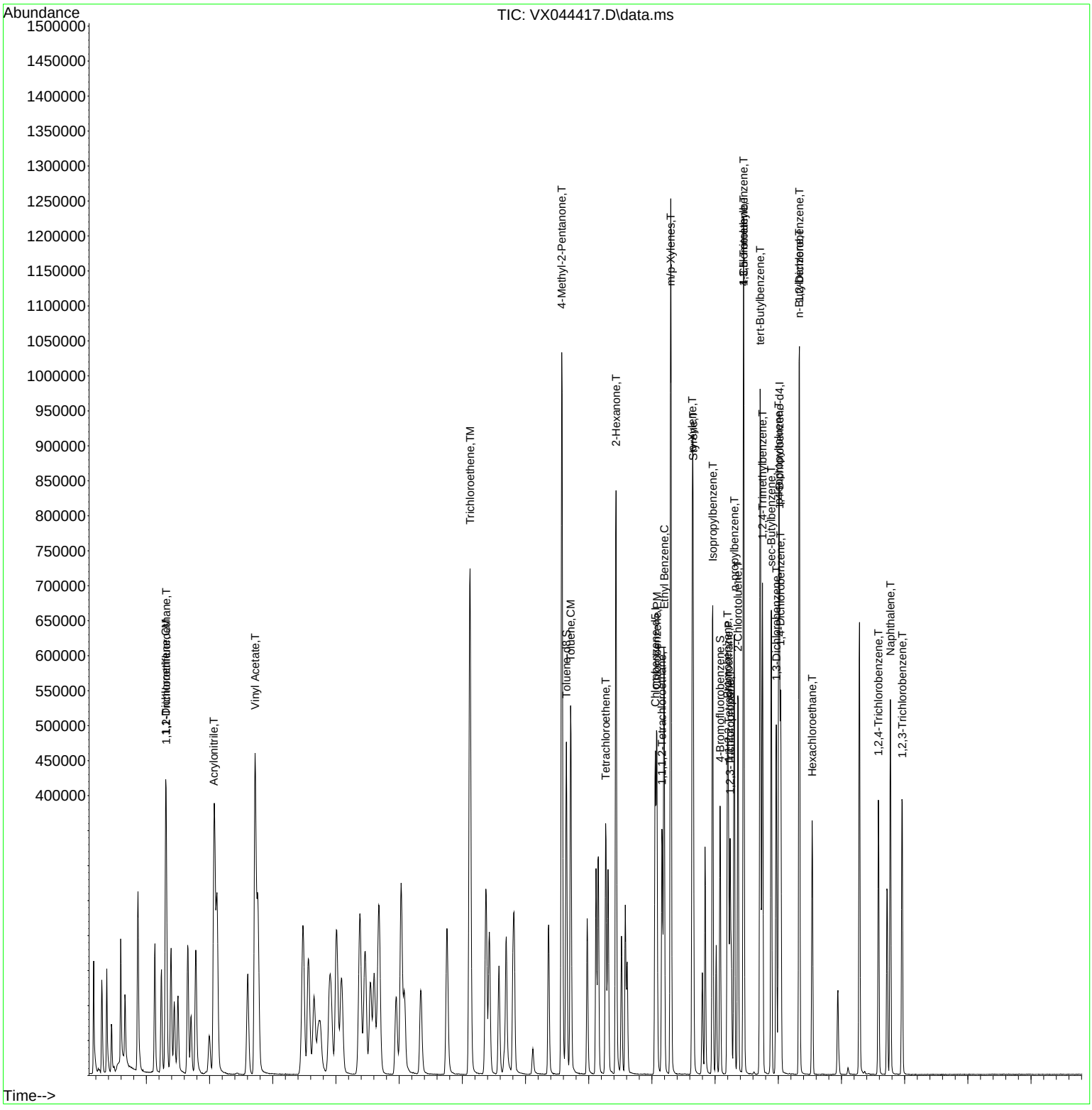
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044417.D
Acq On : 19 Dec 2024 06:28
Operator : JC/MD
Sample : P5317-19MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

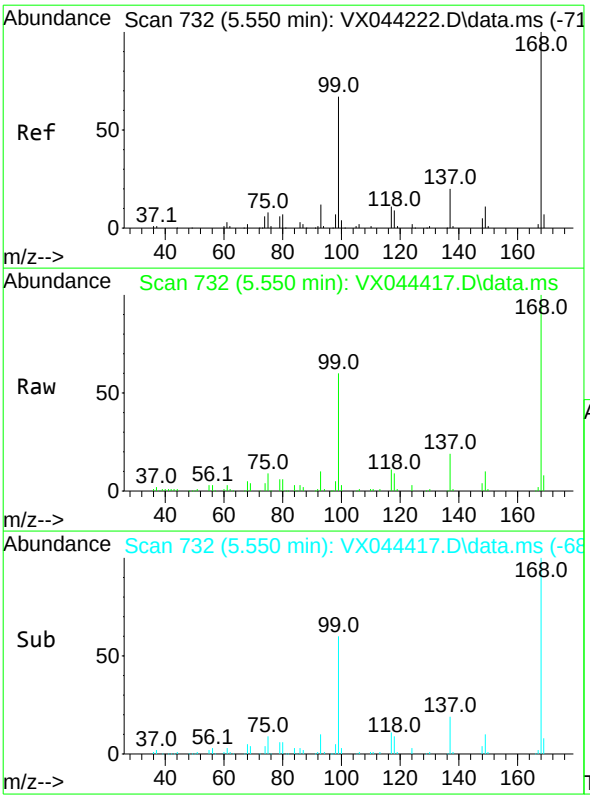
Quant Time: Dec 19 07:13:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

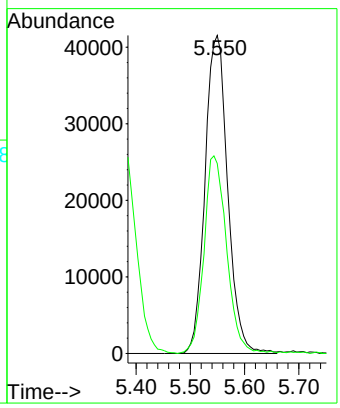





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:168 Resp: 120579

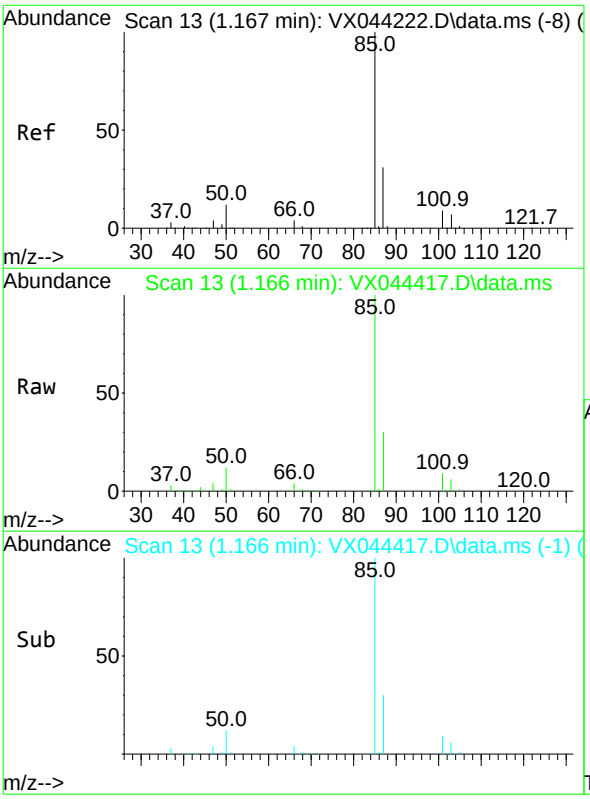
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 53.4 | 80.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

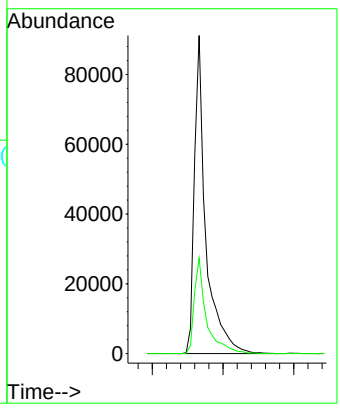
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

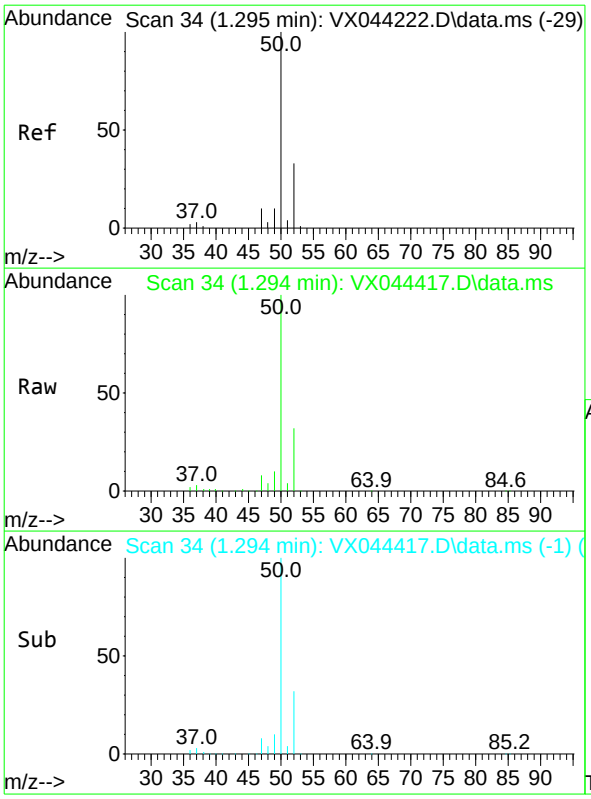



#2
Dichlorodifluoromethane
Concen: 54.622 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 85 Resp: 101840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.0 | 15.4 | 46.4 |

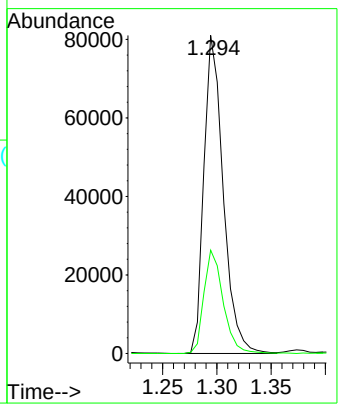





#3
Chloromethane
Concen: 56.393 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 50 Resp: 100546

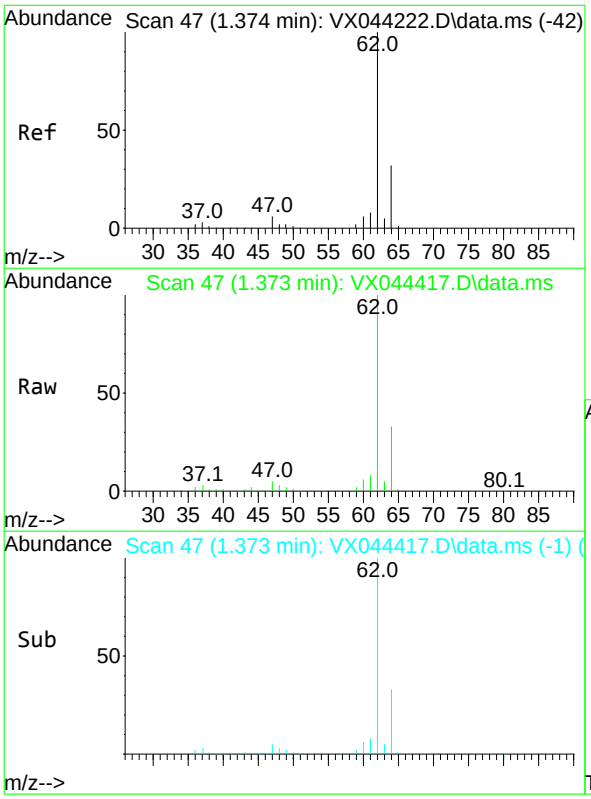
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

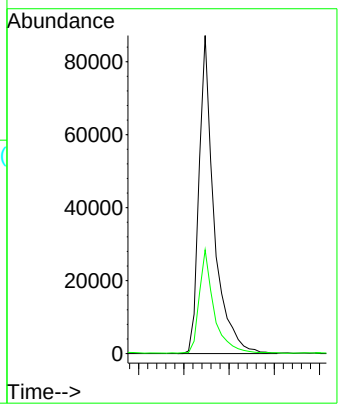
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

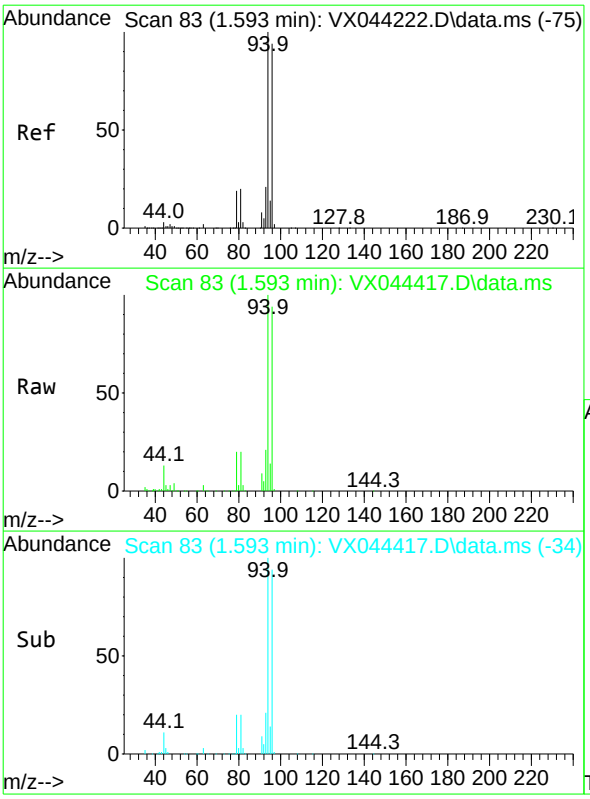



#4
Vinyl Chloride
Concen: 54.006 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 62 Resp: 100314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 25.7 | 38.5 |

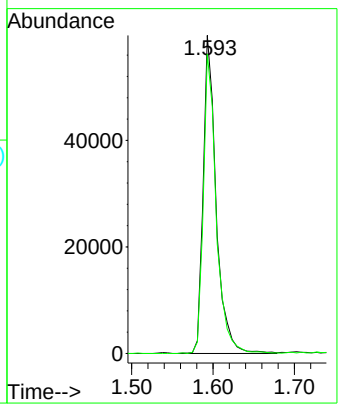





#5
Bromomethane
Concen: 50.108 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 94 Resp: 66030

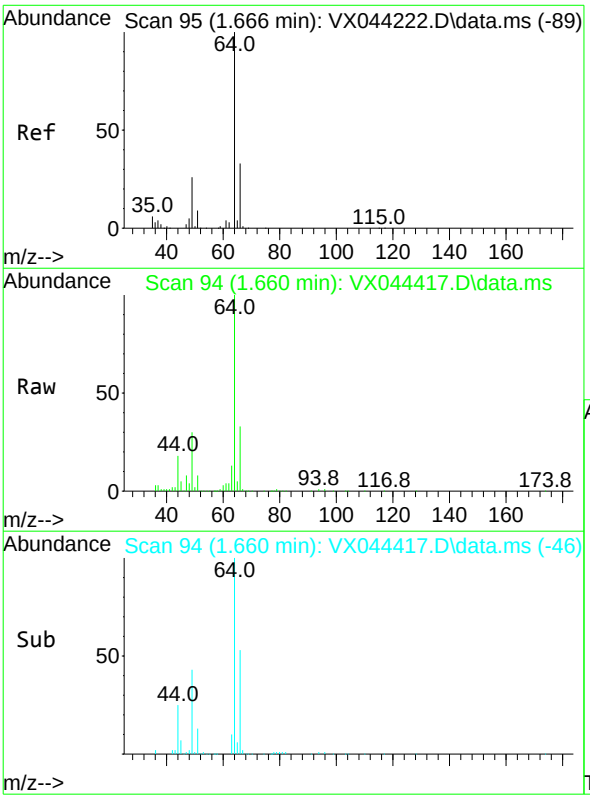
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.1 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

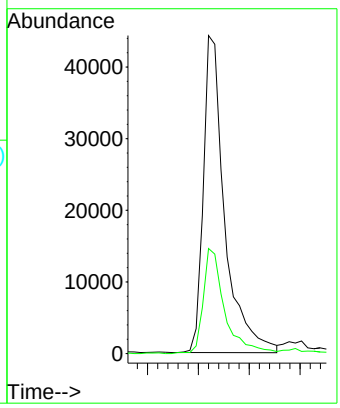
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

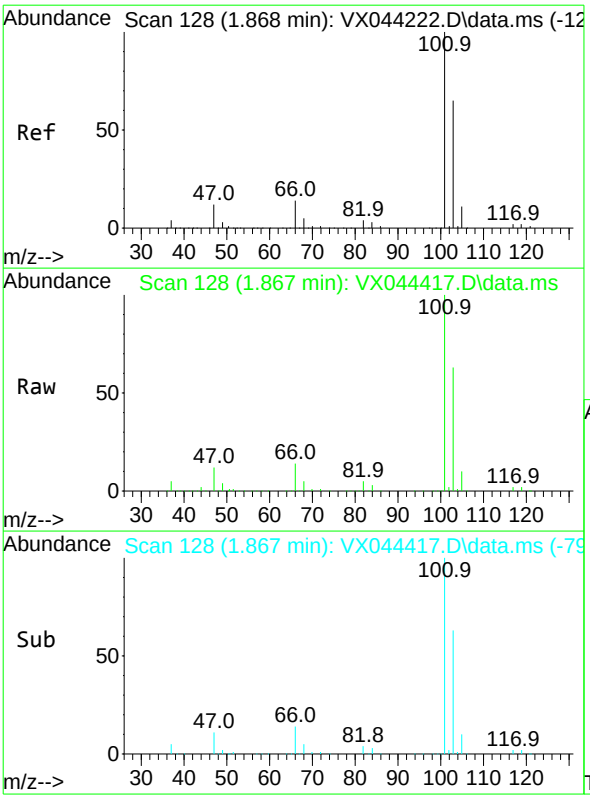



#6
Chloroethane
Concen: 55.848 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 64 Resp: 64595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 26.6 | 39.8 |

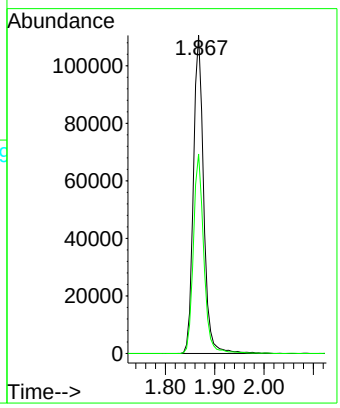





#7
Trichlorofluoromethane
Concen: 43.953 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:101 Resp: 159830

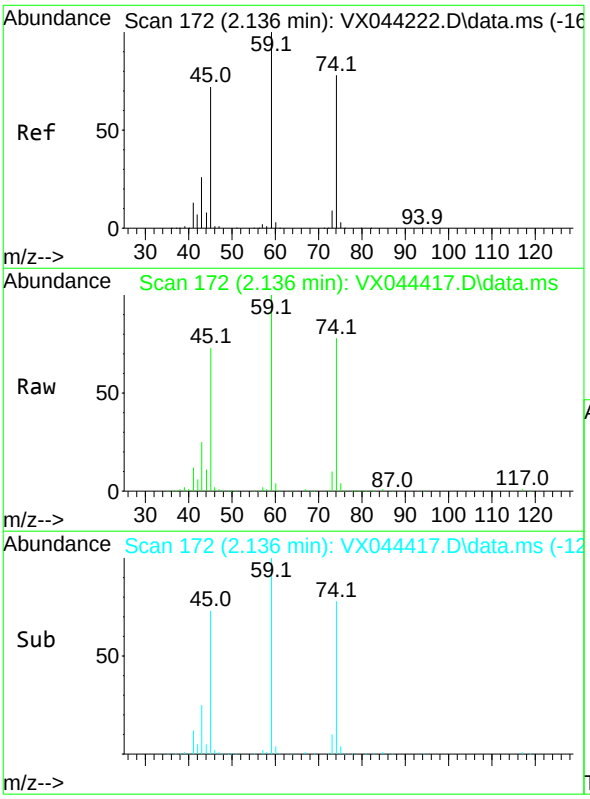
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.7 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

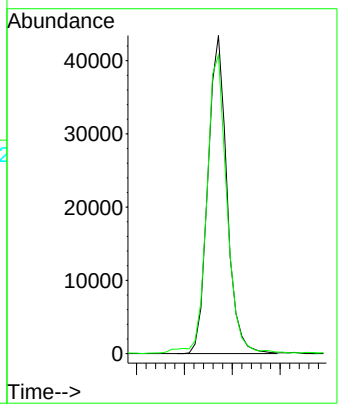
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

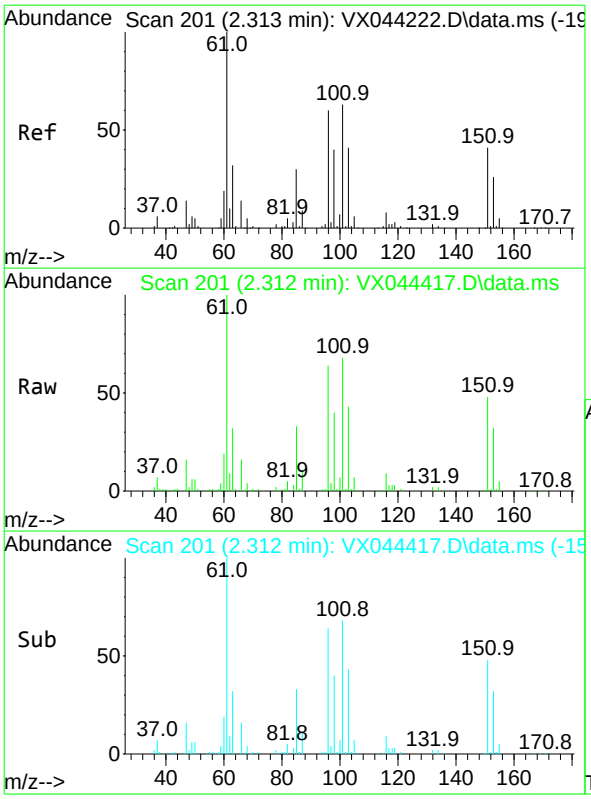



#8
Diethyl Ether
Concen: 48.304 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 74 Resp: 59957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.7 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.083 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

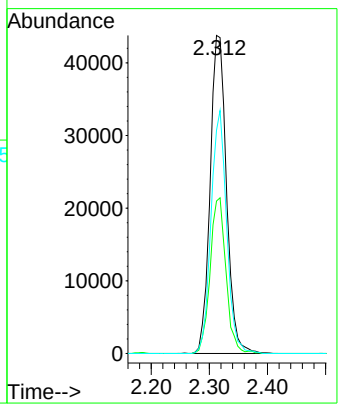
Tgt Ion:101 Resp: 85466

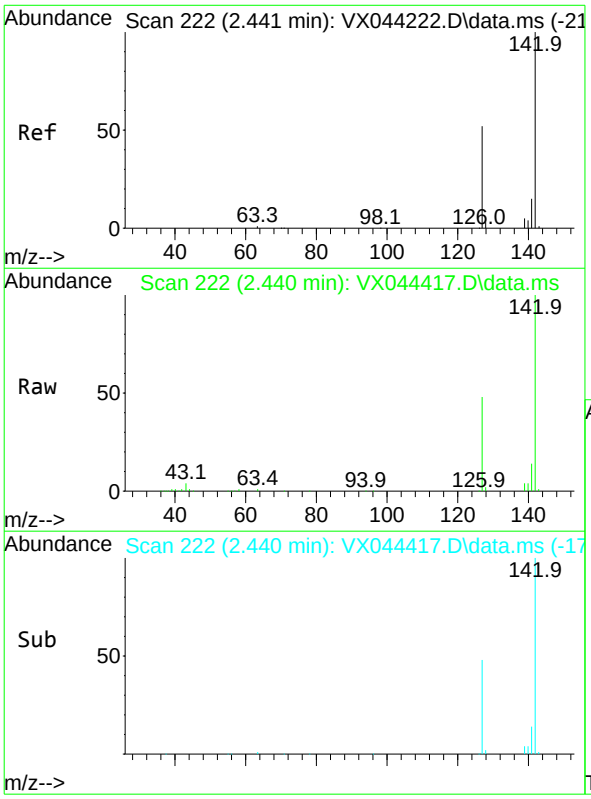
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.6 | 38.5 | 57.7 |
| 151 | 73.1 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

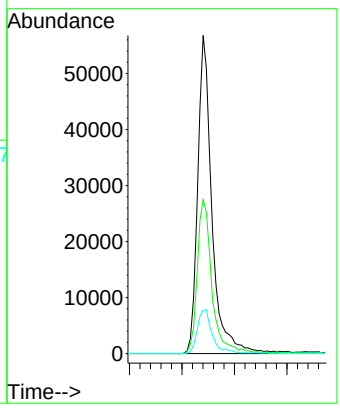


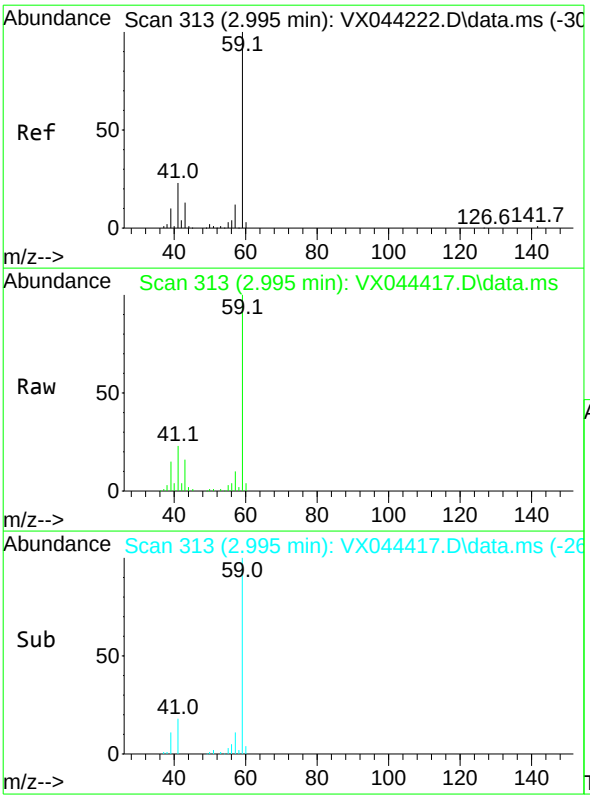




#10
Methyl Iodide
Concen: 55.050 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:142 Resp: 106760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.0 | 41.8 | 62.8 |
| 141 | 14.5 | 11.5 | 17.3 |

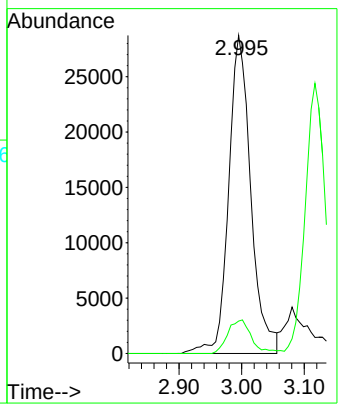





#11
Tert butyl alcohol
Concen: 237.456 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 59 Resp: 70752

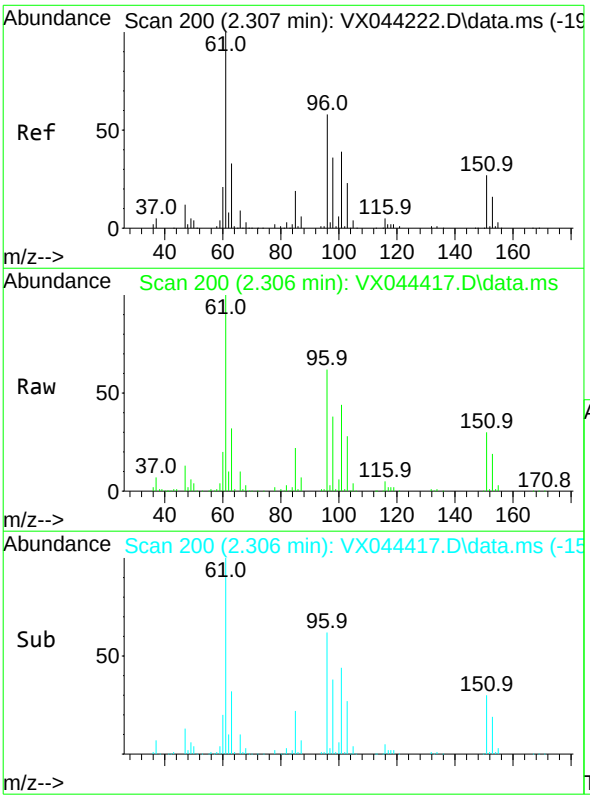
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.3 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

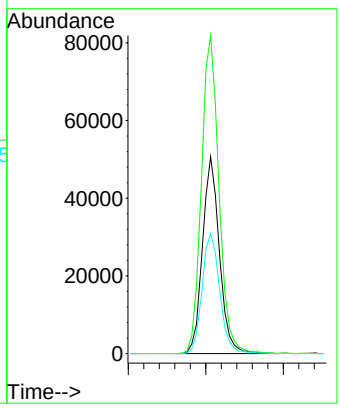
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

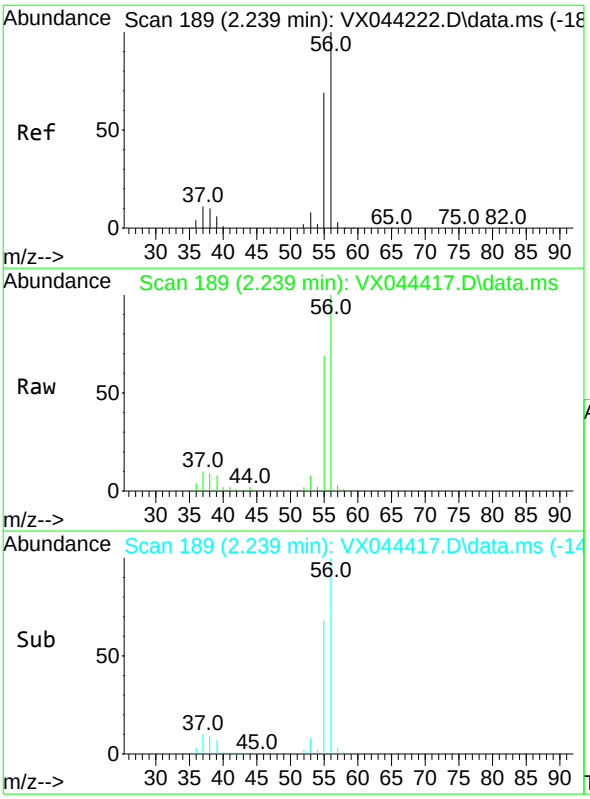



#12
1,1-Dichloroethene
Concen: 56.886 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 96 Resp: 76884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.5 | 138.0 | 207.0 |
| 98 | 61.0 | 50.0 | 75.0 |

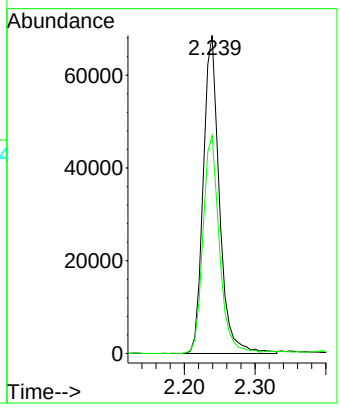





#13
Acrolein
Concen: 251.918 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 56 Resp: 108654

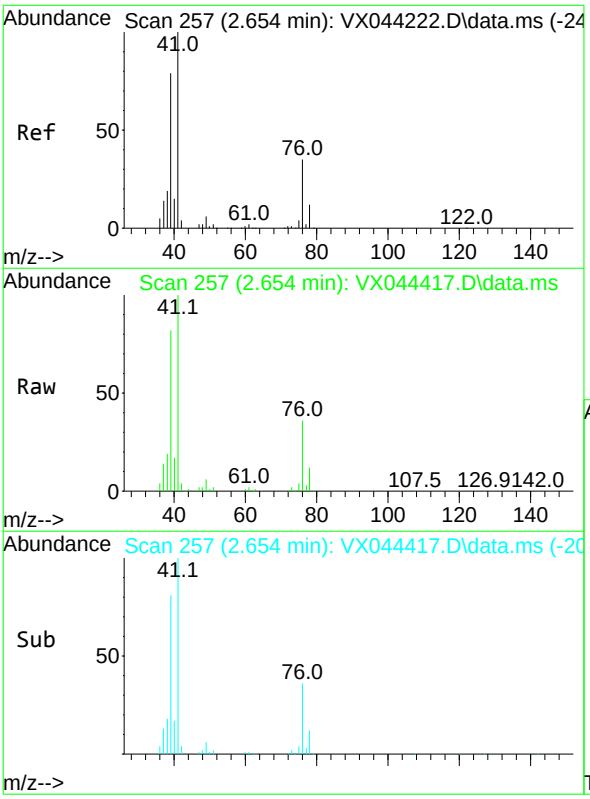
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

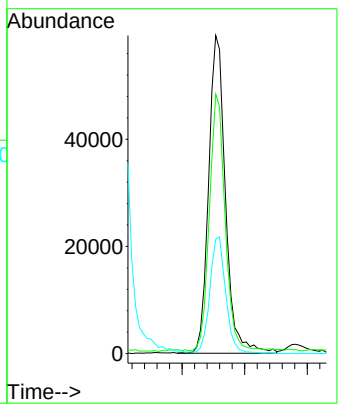
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

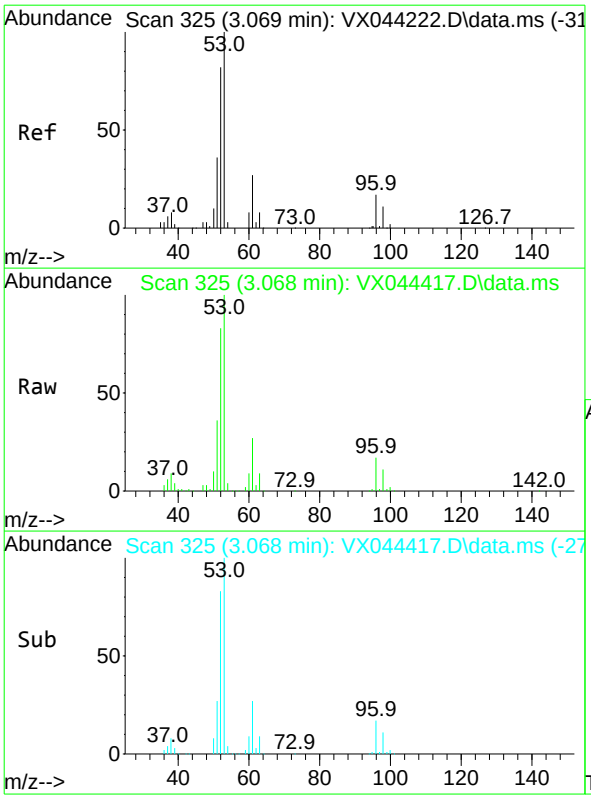



#14
Allyl chloride
Concen: 49.361 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 41 Resp: 111120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.0 | 61.9 | 92.9 |
| 76 | 34.8 | 27.4 | 41.2 |






#15
Acrylonitrile
Concen: 264.782 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 53 Resp: 218540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.4 | 67.4 | 101.0 |
| 51 | 36.3 | 30.3 | 45.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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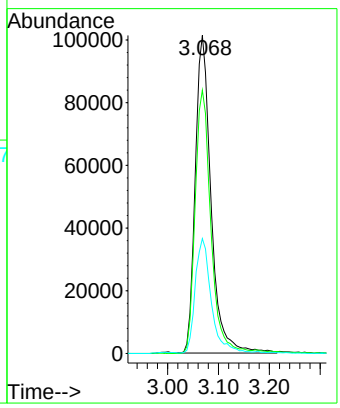
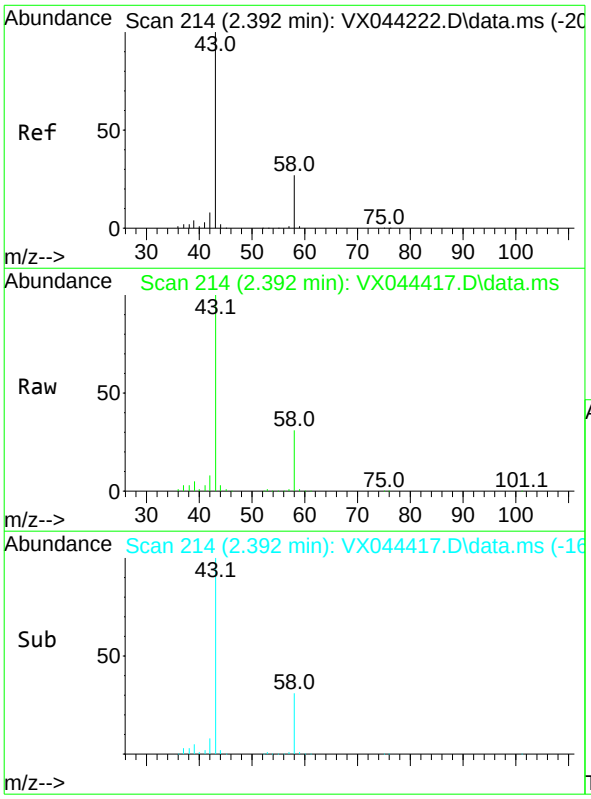
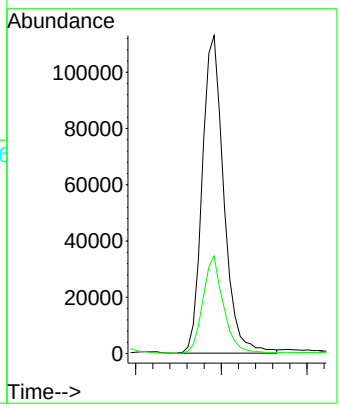


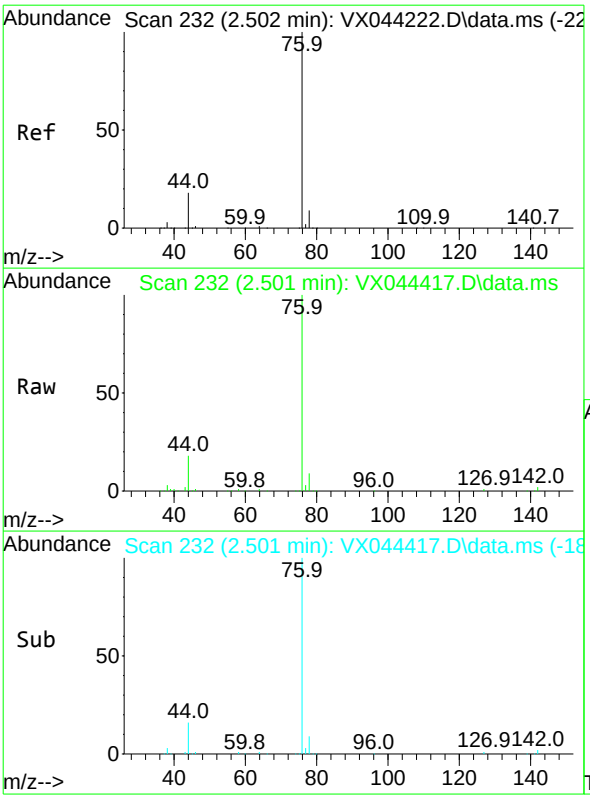




#16
Acetone
Concen: 228.663 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 43 Resp: 197086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.6 | 21.6 | 32.4 |






#17
Carbon Disulfide
Concen: 52.664 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 76 Resp: 135299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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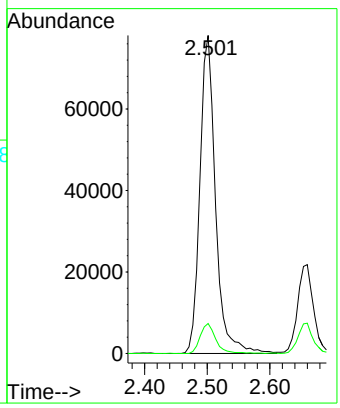
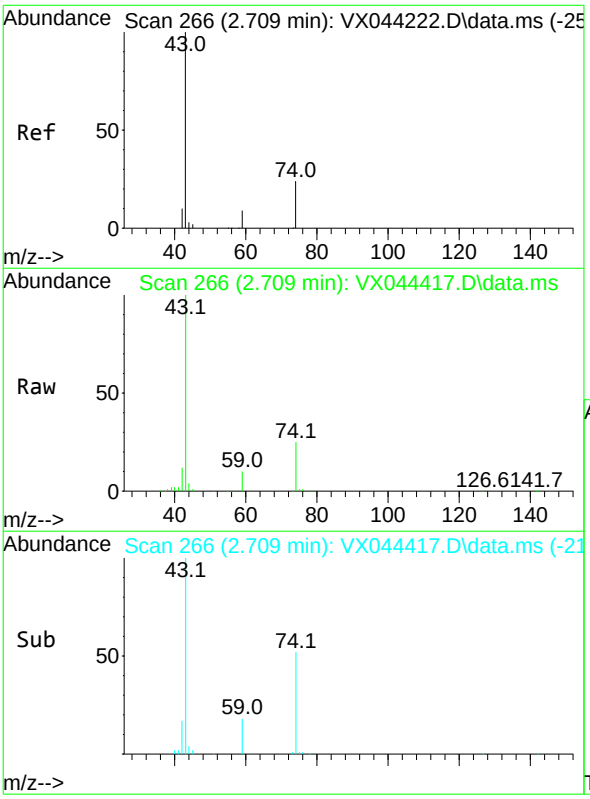
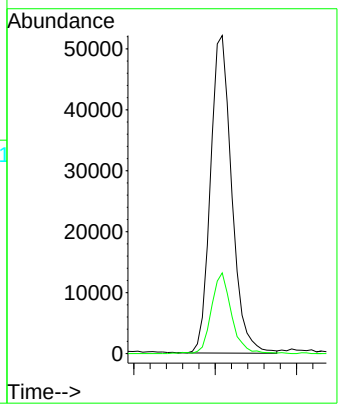


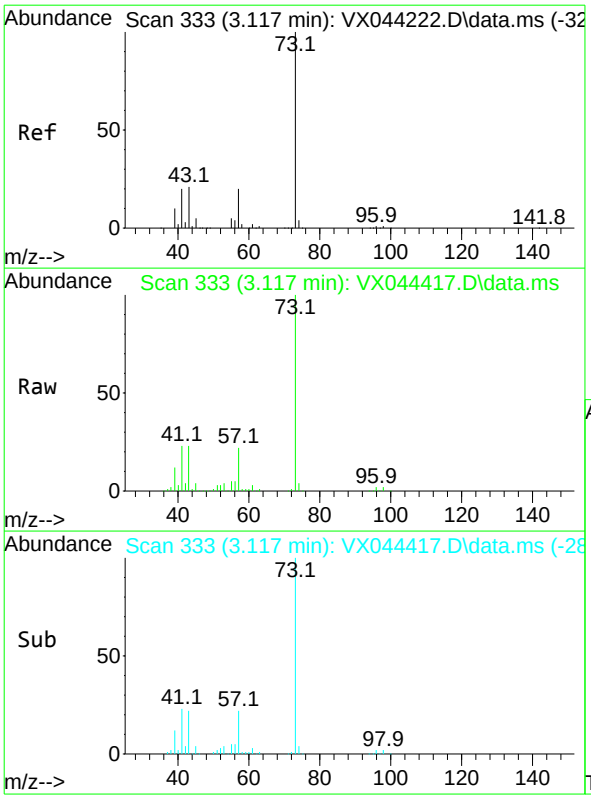




#18
Methyl Acetate
Concen: 42.640 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 43 Resp: 94760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.0 | 17.7 | 26.5 |

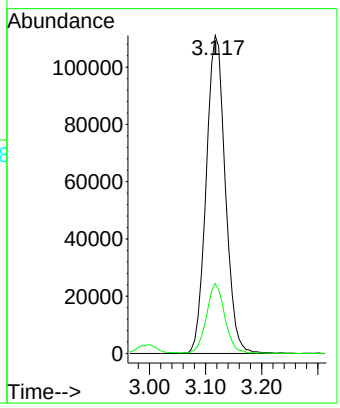





#19
Methyl tert-butyl Ether
Concen: 49.744 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 73 Resp: 262360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

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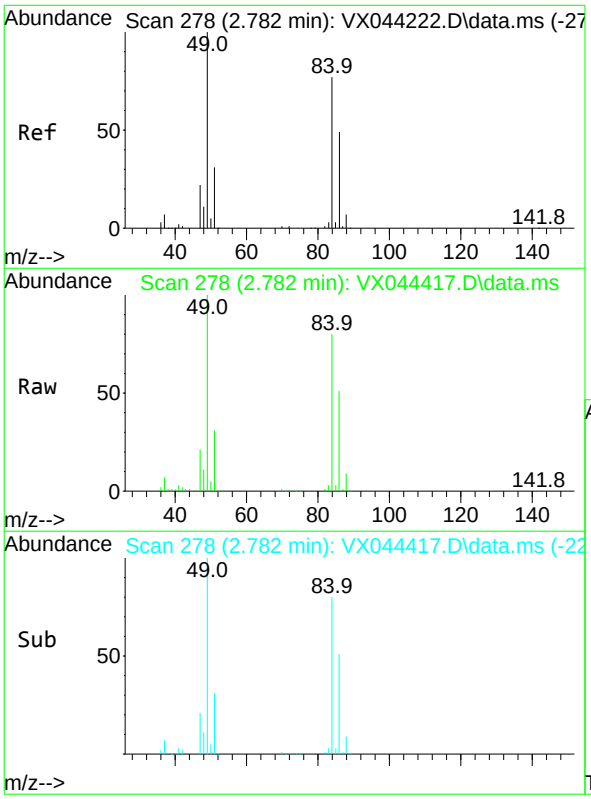
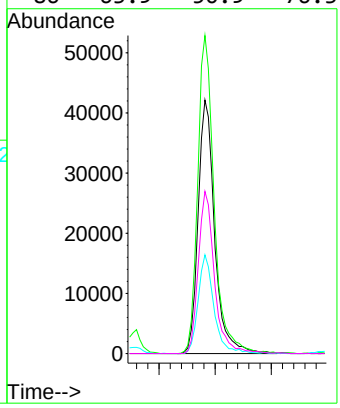
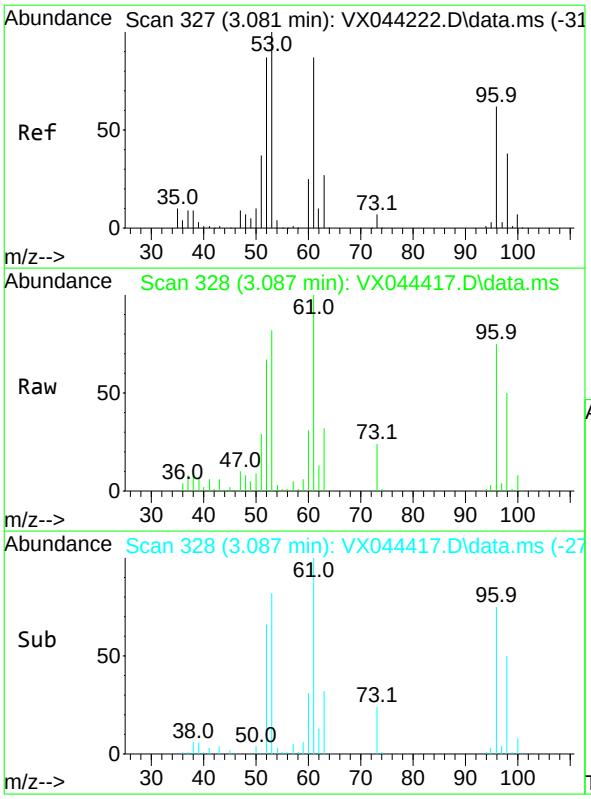



#20
Methylene Chloride
Concen: 53.348 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 84 Resp: 86364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.4 | 104.2 | 156.4 |
| 51 | 38.9 | 32.2 | 48.4 |
| 86 | 63.9 | 50.9 | 76.3 |






#21
trans-1,2-Dichloroethene
Concen: 53.619 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 96 Resp: 77018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.0 | 112.0 | 168.0 |
| 98 | 65.9 | 48.8 | 73.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

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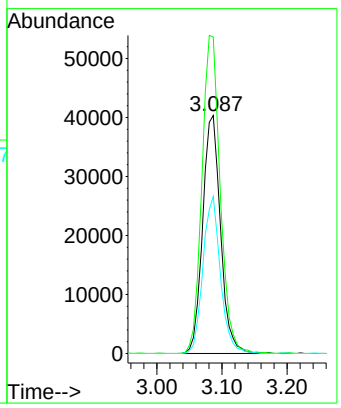
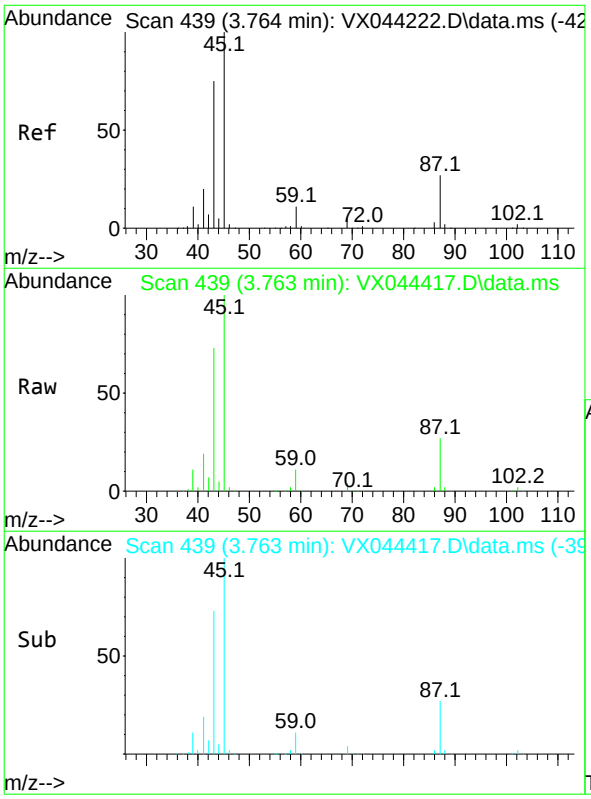
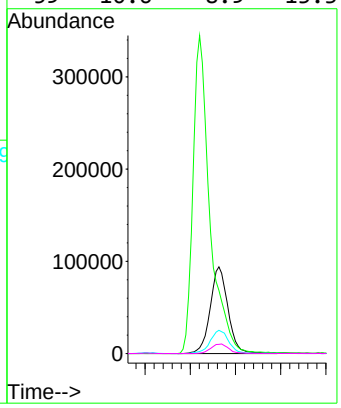


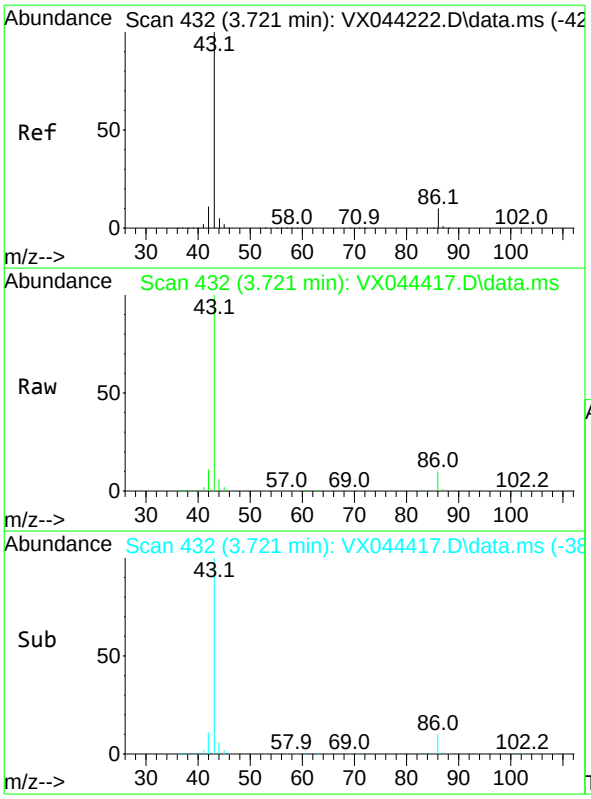




#22
Diisopropyl ether
Concen: 50.718 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 45 Resp: 257102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 72.8 | 60.2 | 90.2 |
| 87 | 26.9 | 21.2 | 31.8 |
| 59 | 10.6 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 218.156 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 43 Resp: 899088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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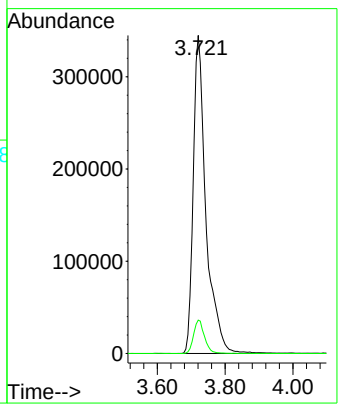
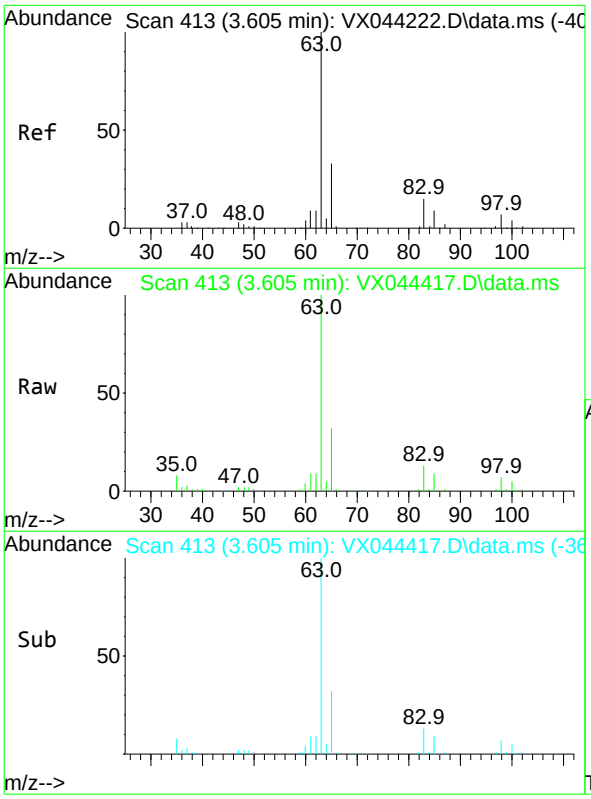
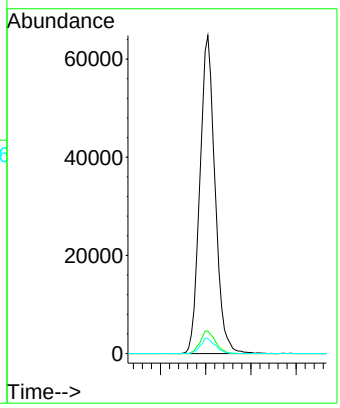


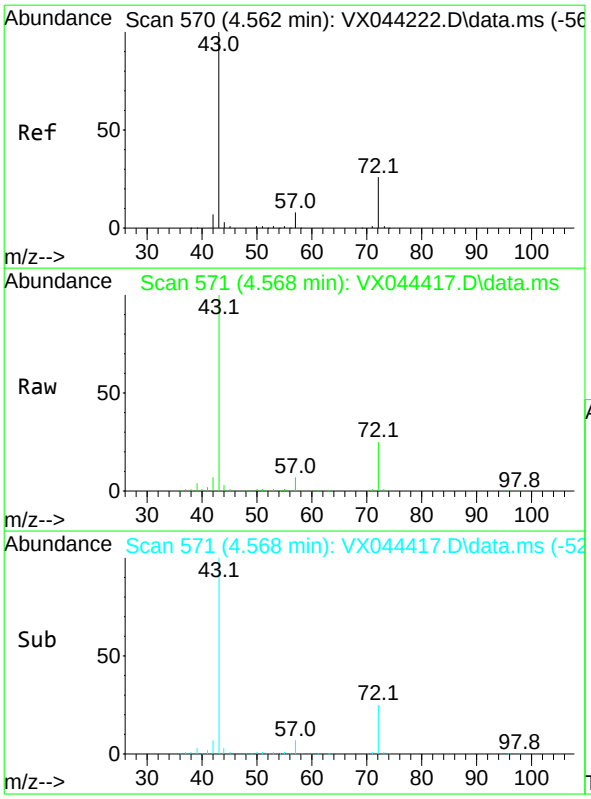




#24
1,1-Dichloroethane
Concen: 53.424 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 63 Resp: 150960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 250.229 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 43 Resp: 306611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.3 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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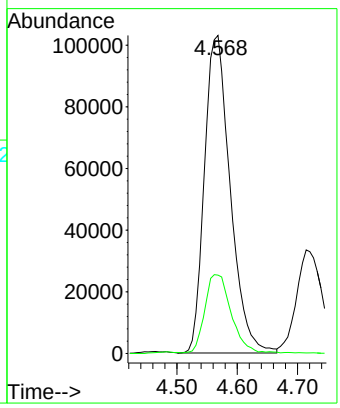
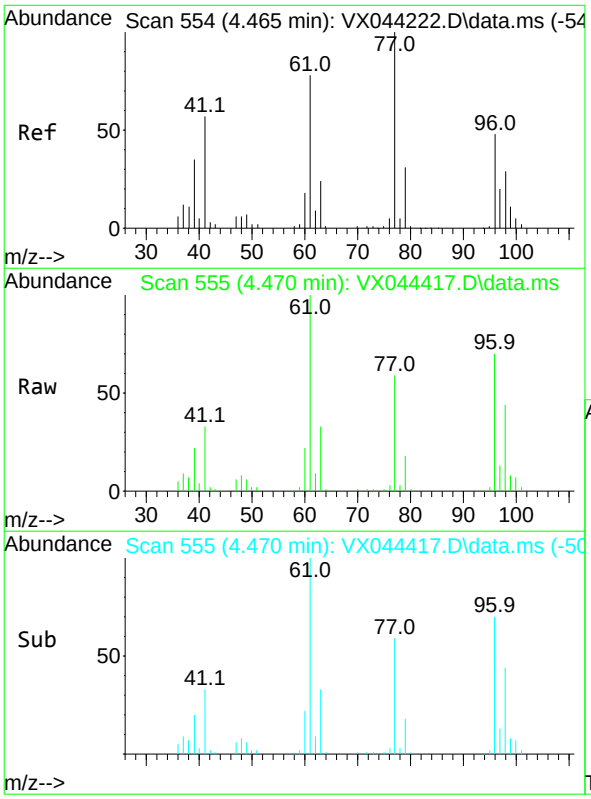
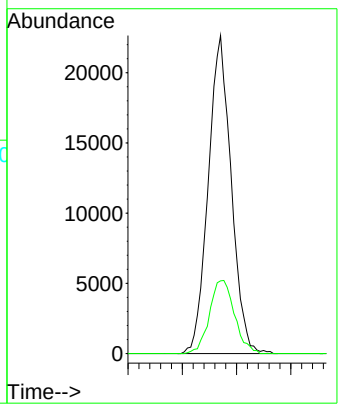


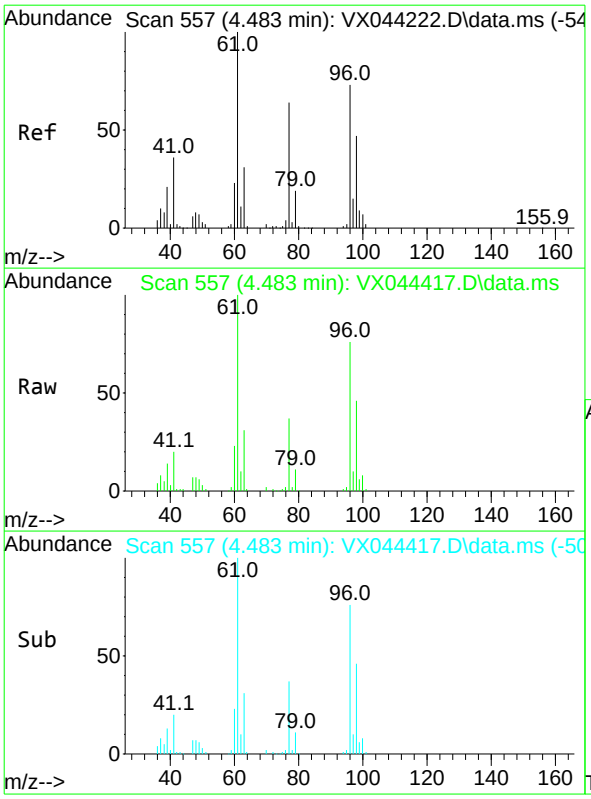




#26
2,2-Dichloropropane
Concen: 29.022 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 77 Resp: 66622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 25.1 | 10.7 | 32.1 |






#27
cis-1,2-Dichloroethene
Concen: 52.601 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 96 Resp: 95958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.9 | 0.0 | 299.0 |
| 98 | 63.8 | 0.0 | 129.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

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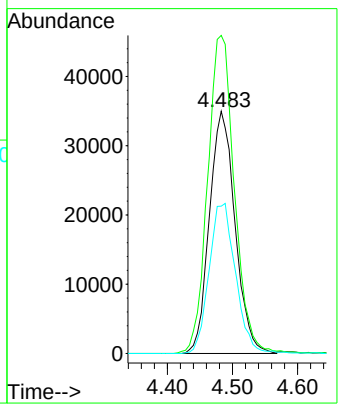
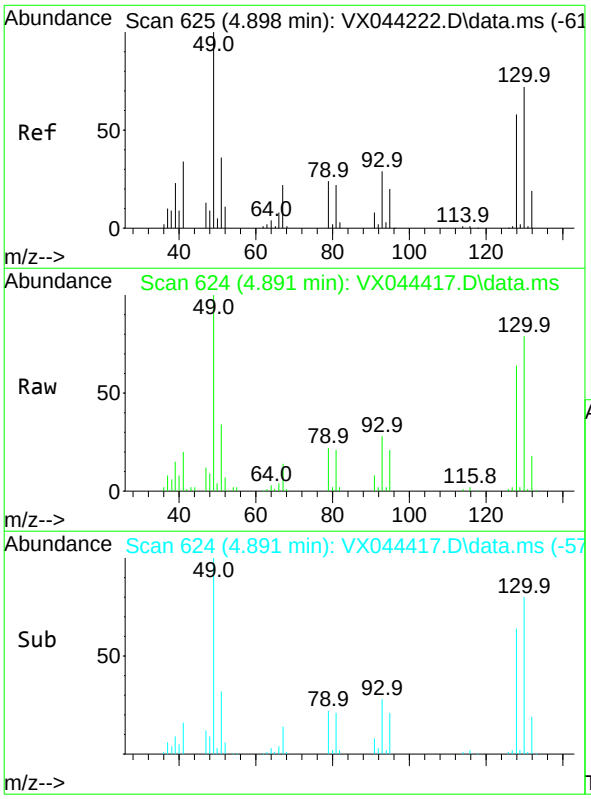
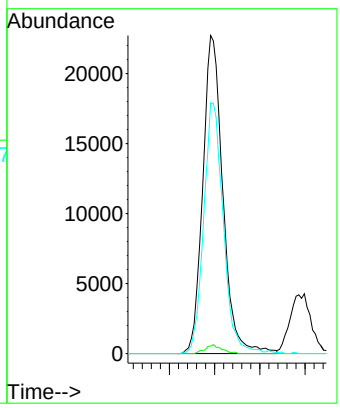


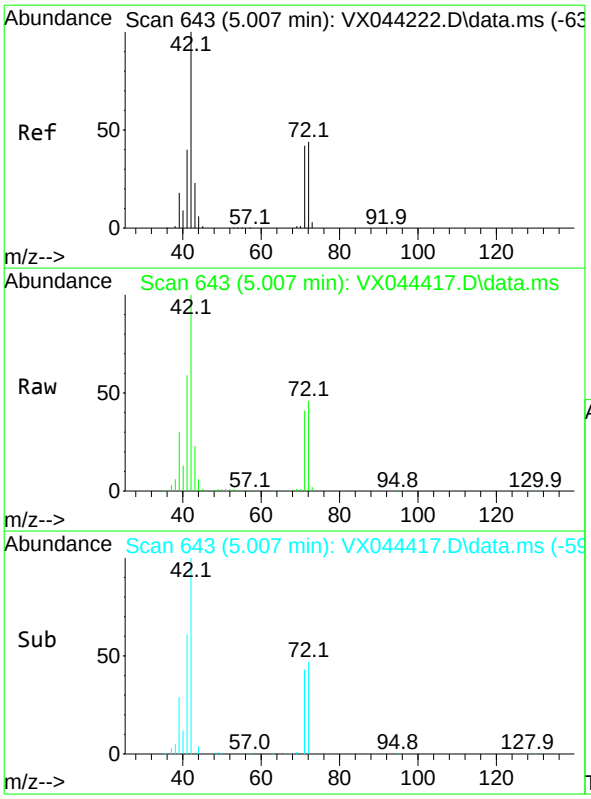




#28
Bromochloromethane
Concen: 50.584 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 49 Resp: 70090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.2 |
| 130 | 76.9 | 62.1 | 93.1 |

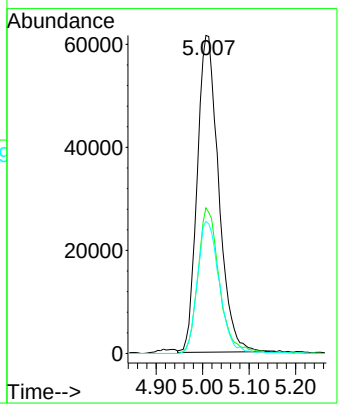





#29
Tetrahydrofuran
Concen: 250.581 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 42 Resp: 197080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.7 | 37.0 | 55.6 |
| 71 | 42.7 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
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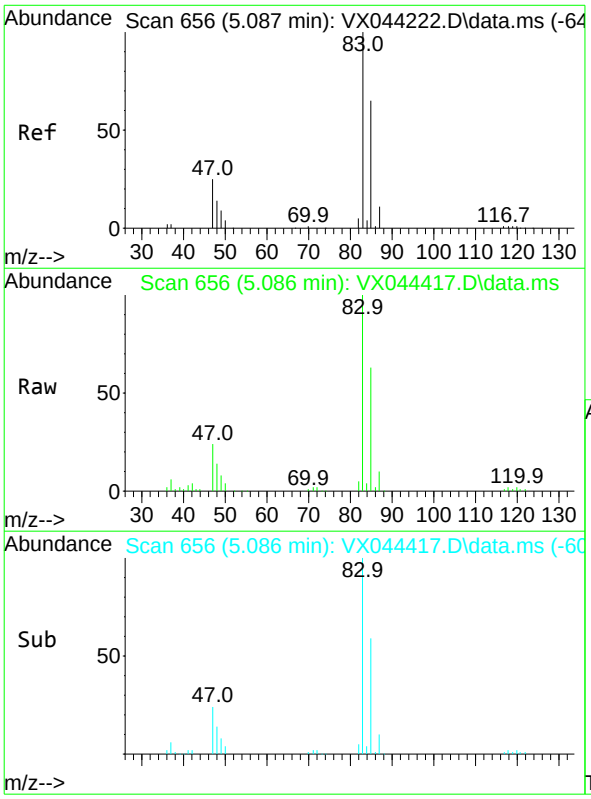
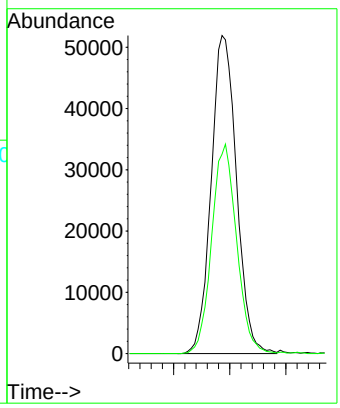
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

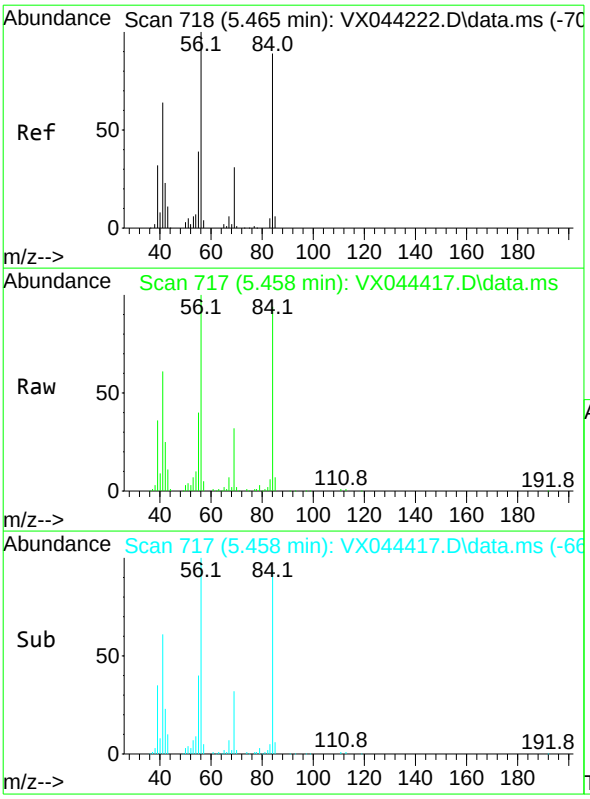



#30
Chloroform
Concen: 51.296 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 83 Resp: 162853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.7 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 51.232 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 56 Resp: 116900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 24.7 | 37.1 |
| 84 | 90.6 | 71.0 | 106.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

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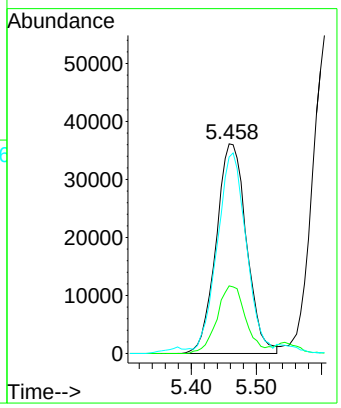
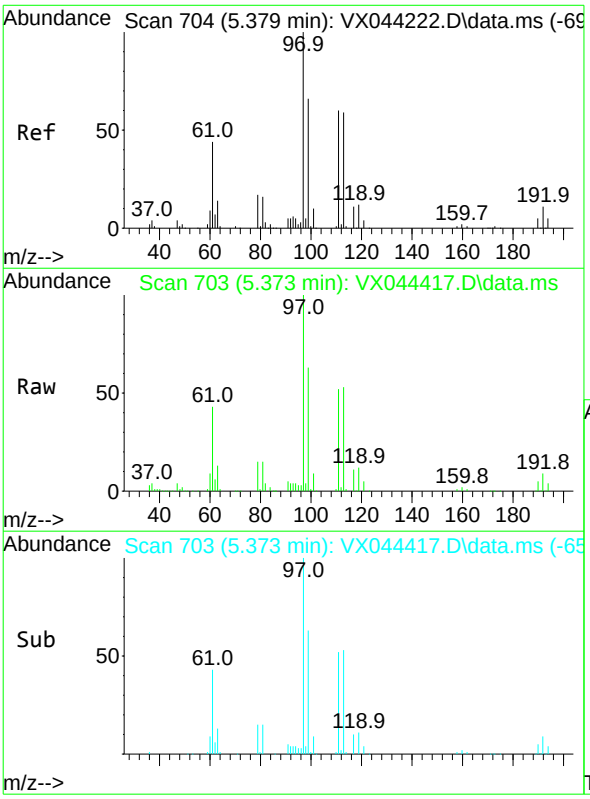
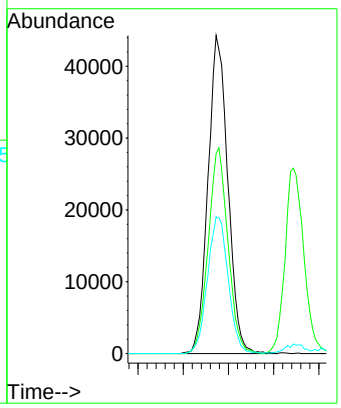


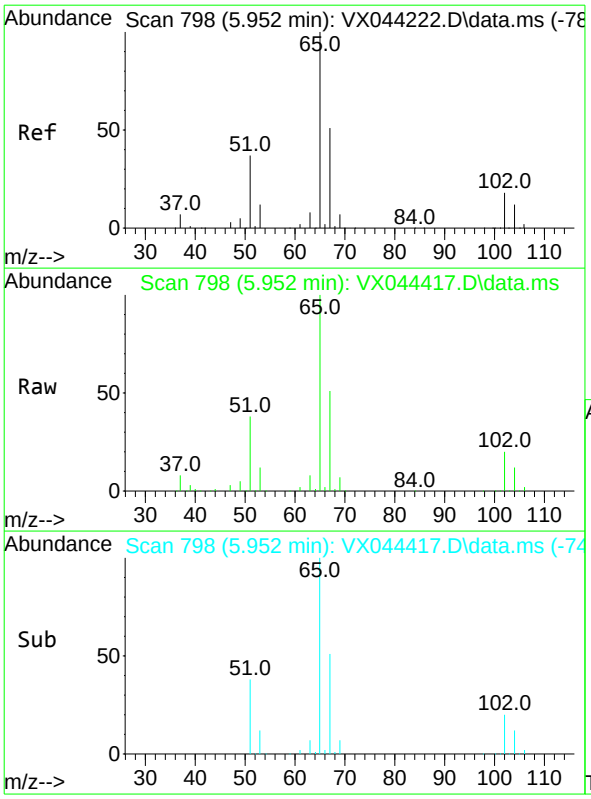




#32
1,1,1-Trichloroethane
Concen: 51.181 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 97 Resp: 134879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 50.8 | 76.2 |
| 61 | 45.2 | 35.2 | 52.8 |

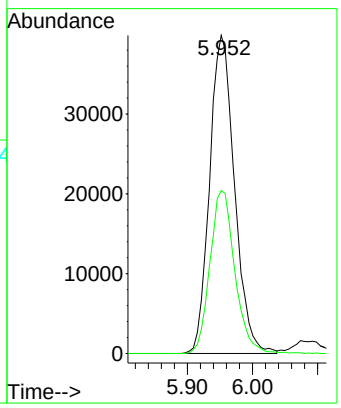





#33
1,2-Dichloroethane-d4
Concen: 50.125 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 65 Resp: 105971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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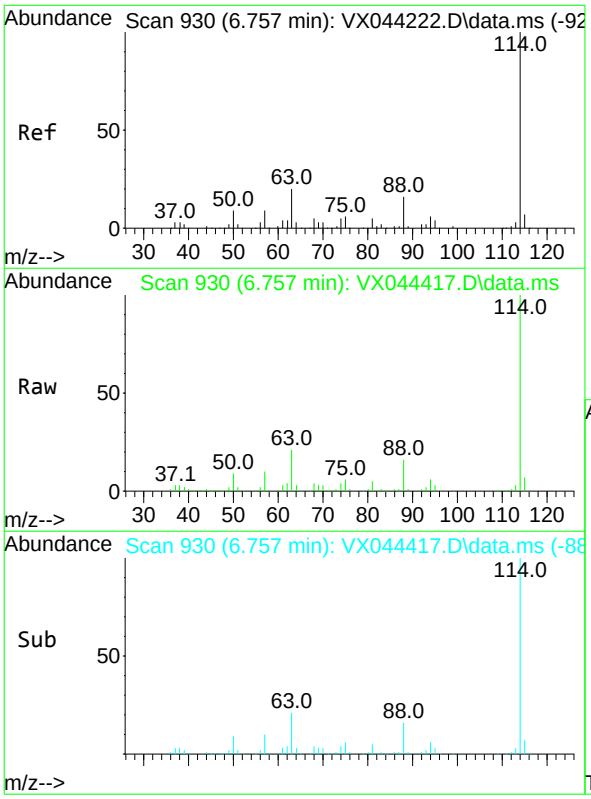
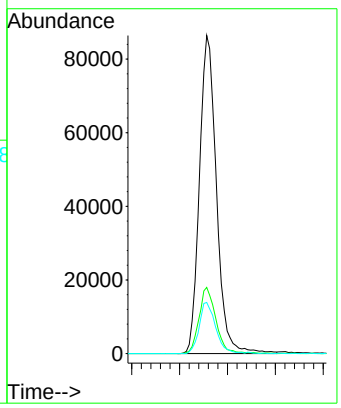
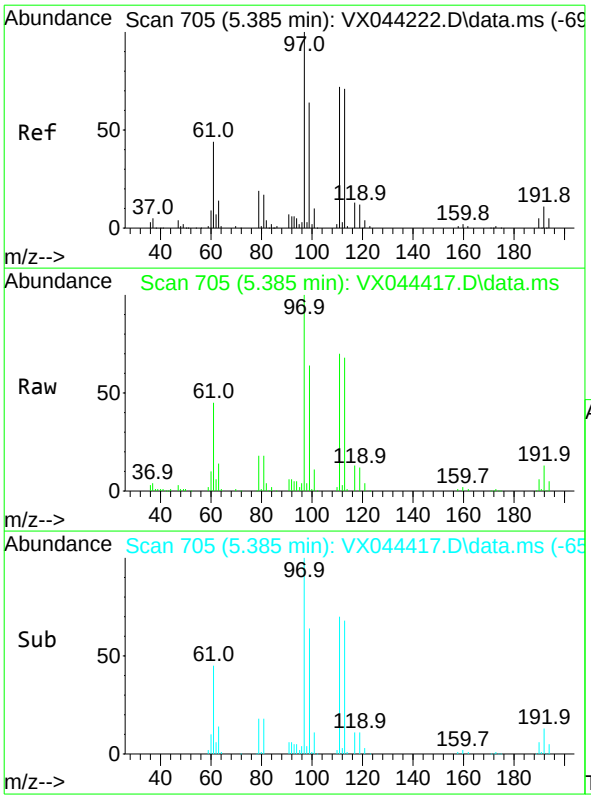



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:114 Resp: 213617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 40.6 |
| 88 | 16.1 | 0.0 | 31.8 |

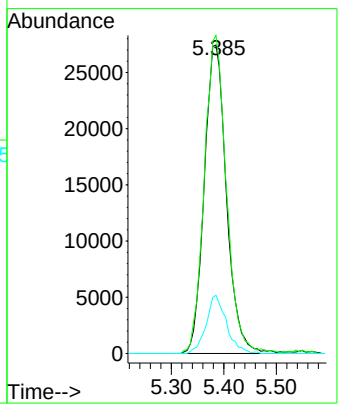





#35
Dibromofluoromethane
Concen: 54.545 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:113 Resp: 80699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 80.4 | 120.6 |
| 192 | 17.3 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
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RE132D5-20241217MS

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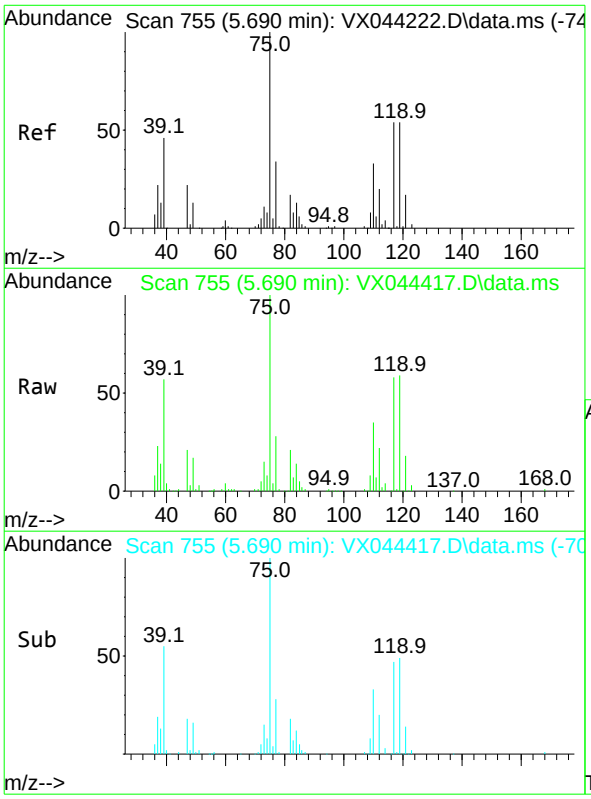
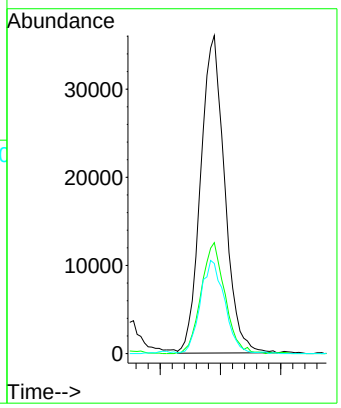
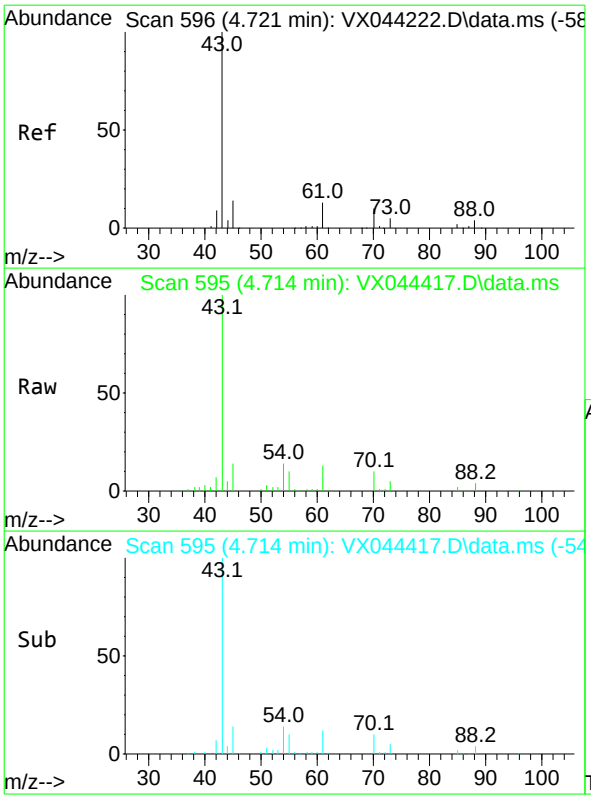



#36
1,1-Dichloropropene
Concen: 52.127 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 75 Resp: 99689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.3 | 51.7 |
| 77 | 29.2 | 25.4 | 38.0 |

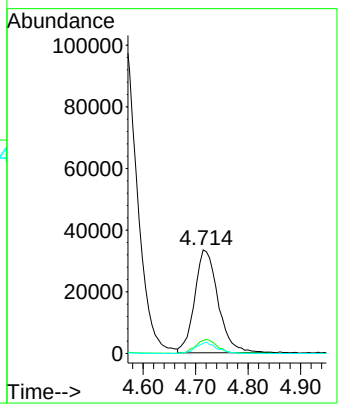





#37
Ethyl Acetate
Concen: 43.755 ug/l
RT: 4.714 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 43 Resp: 103439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 9.8 | 14.8 |
| 70 | 9.6 | 7.7 | 11.5 |

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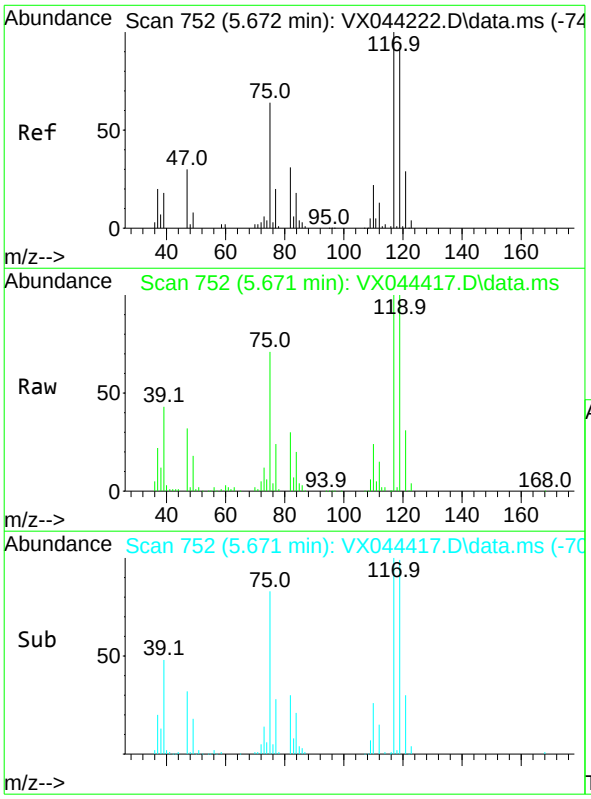
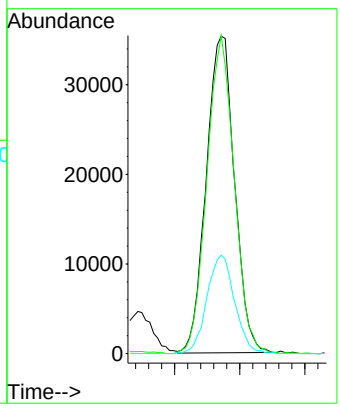
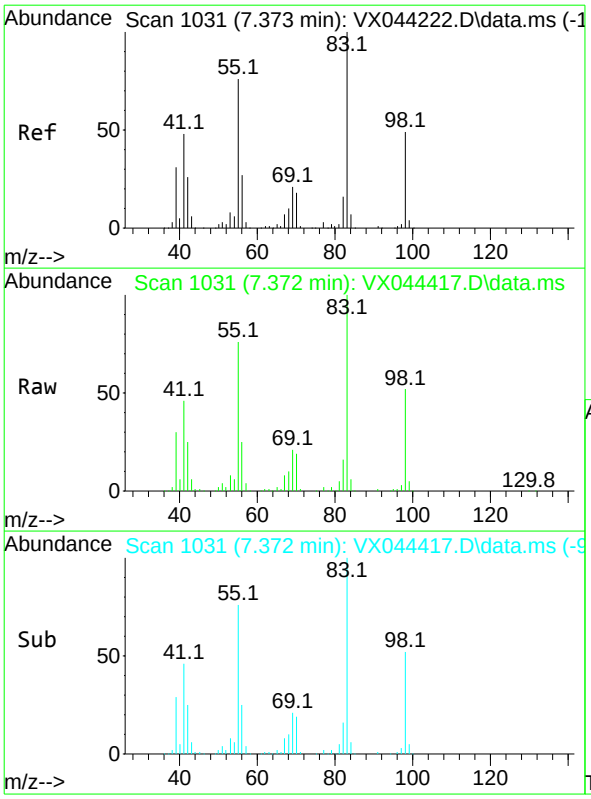



#38
Carbon Tetrachloride
Concen: 51.832 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:117 Resp: 106720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 100.2 | 74.2 | 111.4 |
| 121 | 31.1 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 52.572 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 83 Resp: 120195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.0 | 60.7 | 91.1 |
| 98 | 51.6 | 38.9 | 58.3 |

**Instrument :**
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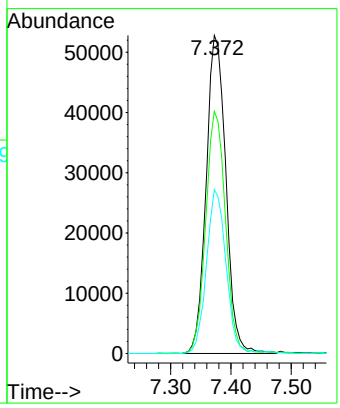
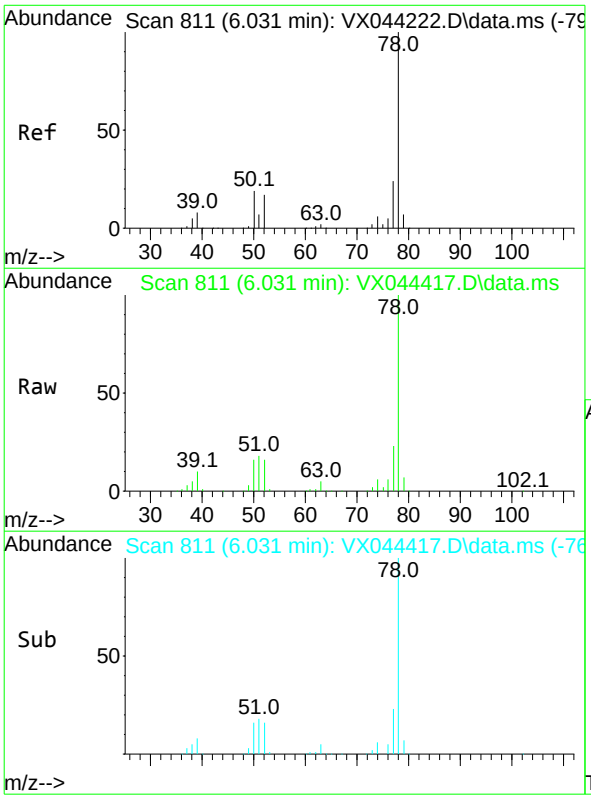
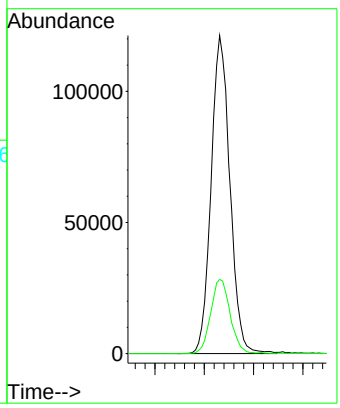


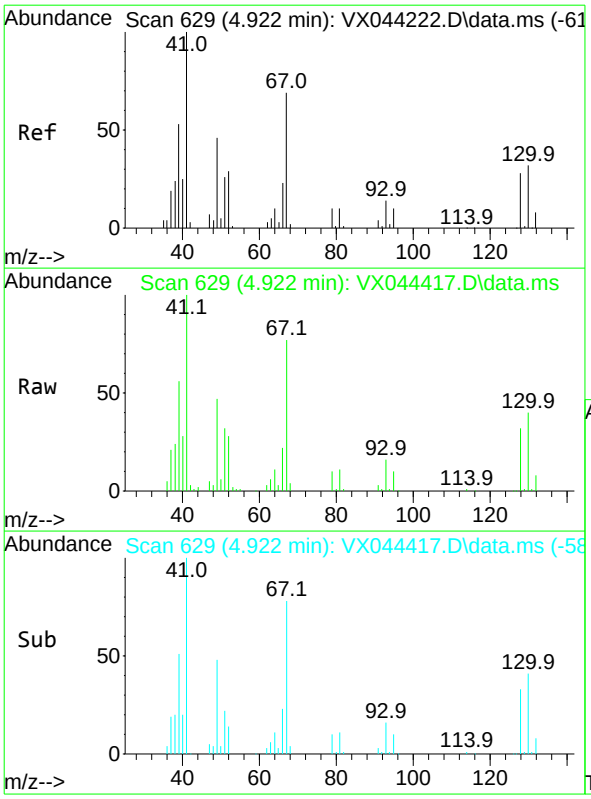




#40
Benzene
Concen: 55.265 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 78 Resp: 320899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.3 | 19.3 | 28.9 |

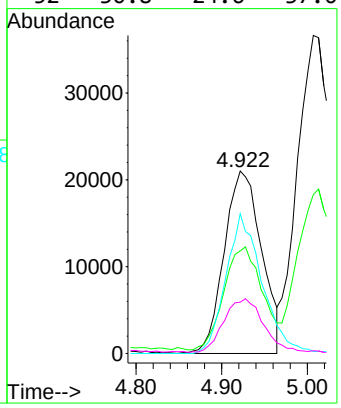





#41
Methacrylonitrile
Concen: 50.785 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 41 Resp: 63751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.4 | 44.2 | 66.4 |
| 67 | 74.6 | 57.2 | 85.8 |
| 52 | 30.8 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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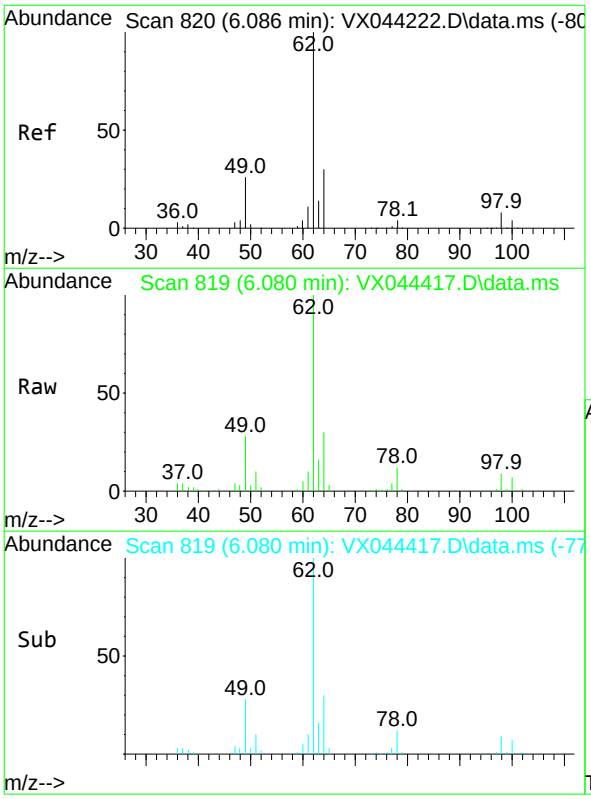
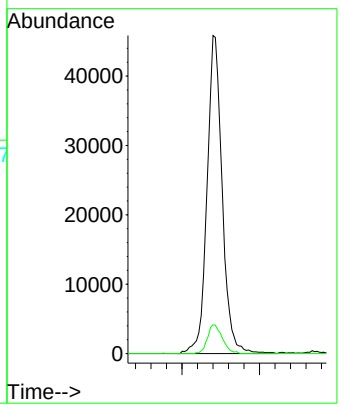
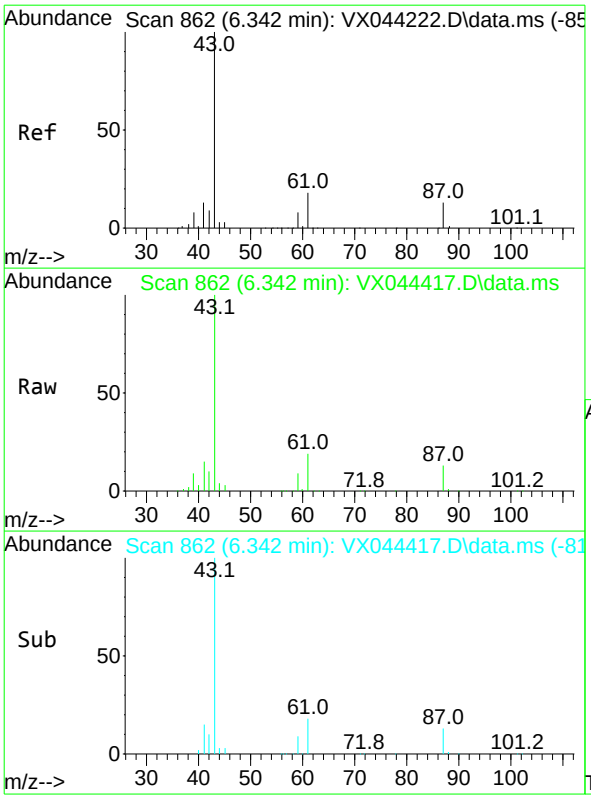



#42
1,2-Dichloroethane
Concen: 52.015 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 62 Resp: 124414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 15.8 |

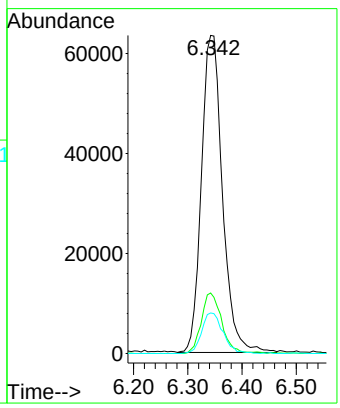





#43
Isopropyl Acetate
Concen: 46.279 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 43 Resp: 170996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.2 | 21.2 |
| 87 | 12.9 | 10.2 | 15.2 |

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RE132D5-20241217MS

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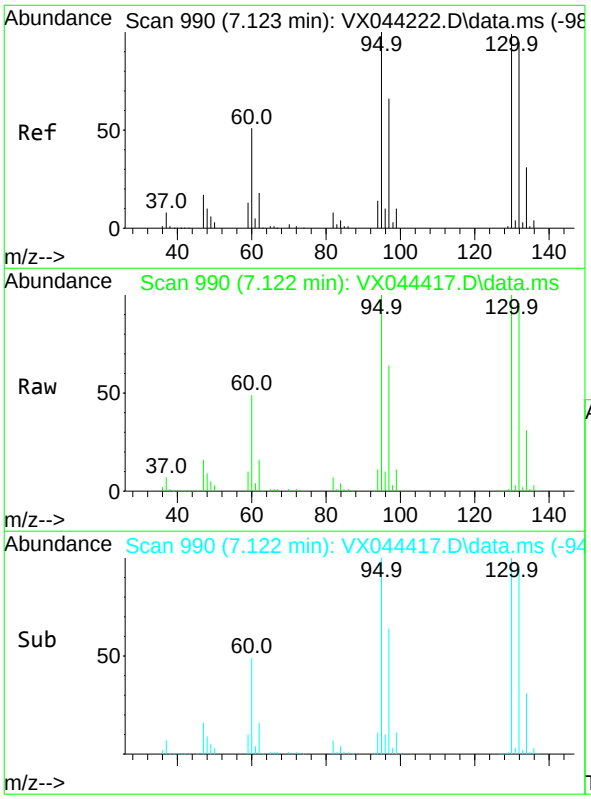
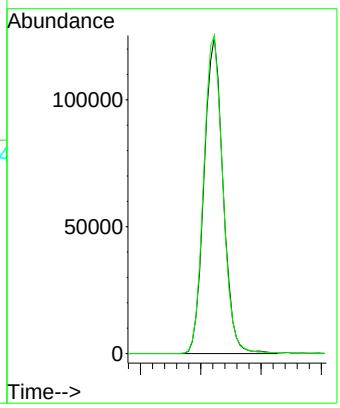
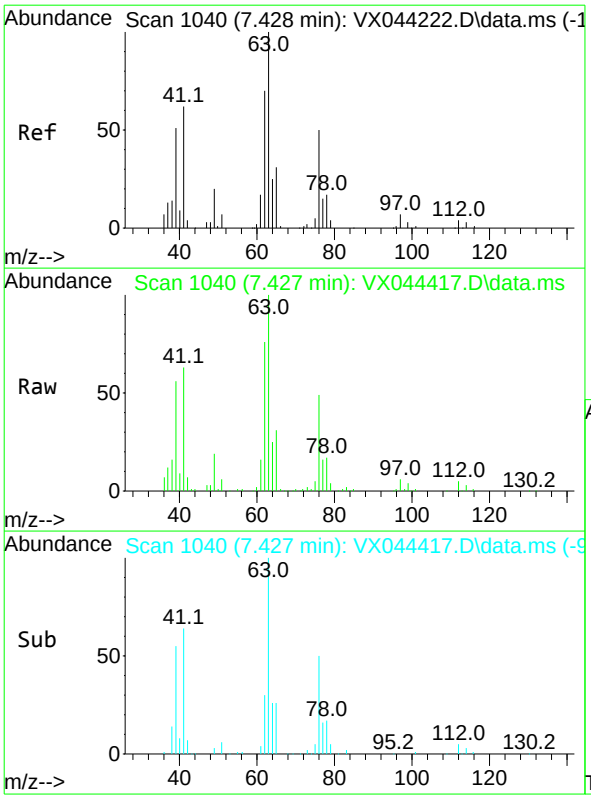



#44
Trichloroethene
Concen: 188.381 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:130 Resp: 272774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.4 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 52.158 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 63 Resp: 77375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
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RE132D5-20241217MS

**Manual Integrations**
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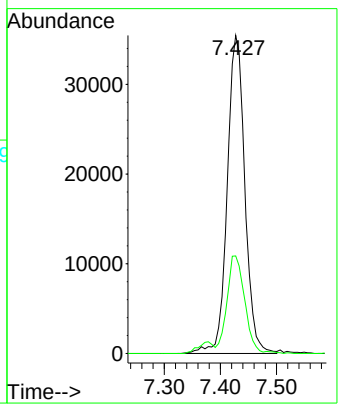
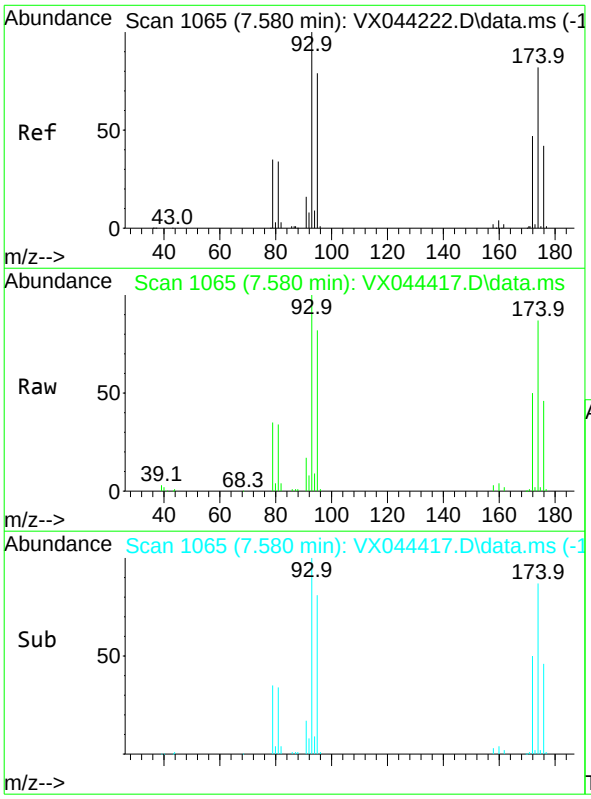
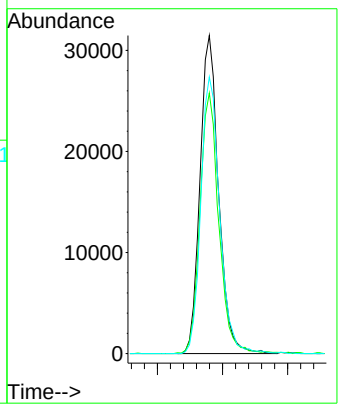


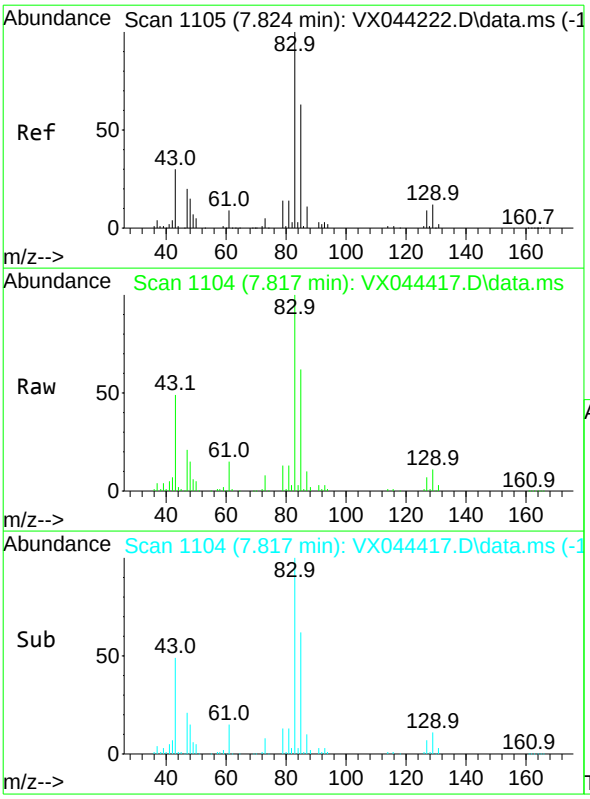




#46
Dibromomethane
Concen: 54.327 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 93 Resp: 62524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 65.4 | 98.2 |
| 174 | 88.2 | 67.9 | 101.9 |






#47
Bromodichloromethane
Concen: 54.314 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 83 Resp: 107956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 50.6 | 75.8 |
| 127 | 6.8 | 7.3 | 10.9# |

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**ClientSampleId :**
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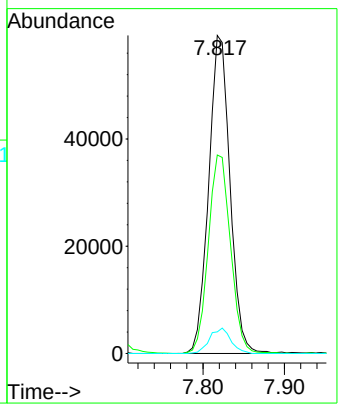
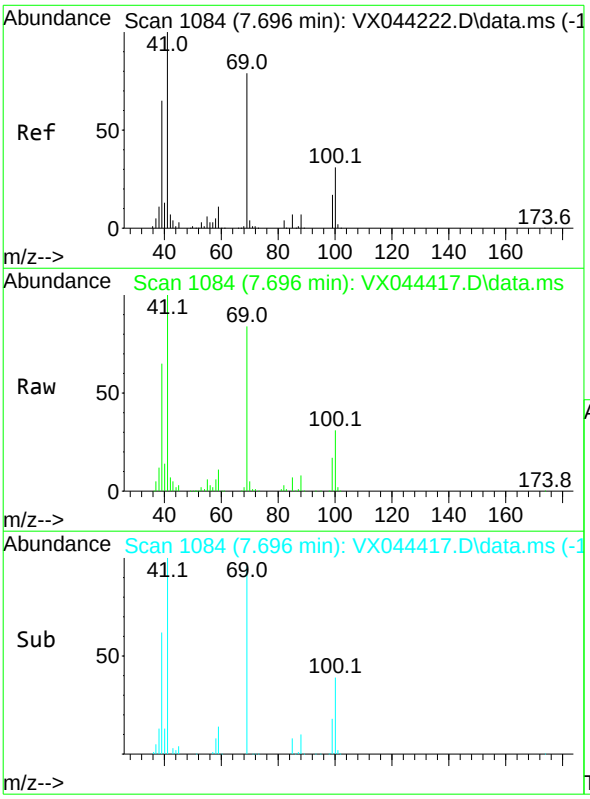
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

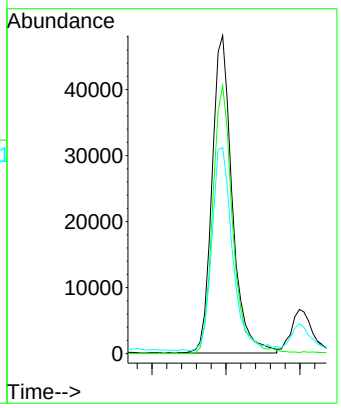


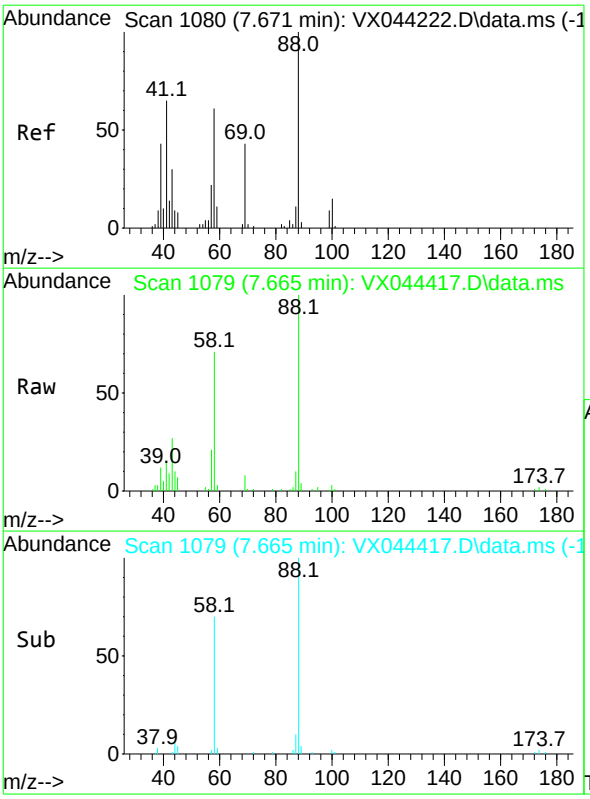




#48
Methyl methacrylate
Concen: 50.787 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 41 Resp: 91092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.6 | 62.4 | 93.6 |
| 39 | 66.2 | 53.3 | 79.9 |

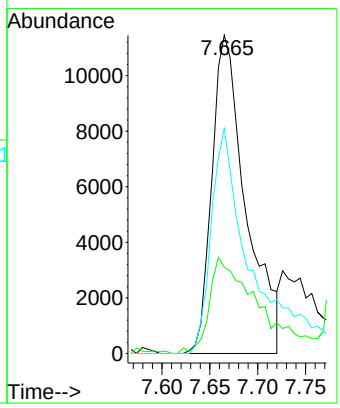





#49
1,4-Dioxane
Concen: 956.536 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 88 Resp: 28445

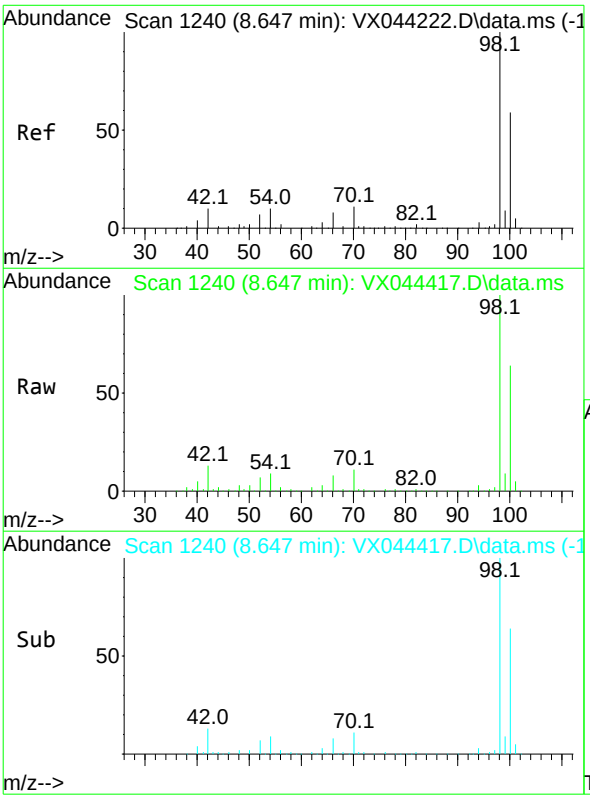
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.2 | 27.1 | 40.7# |
| 58 | 83.2 | 41.0 | 61.4# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

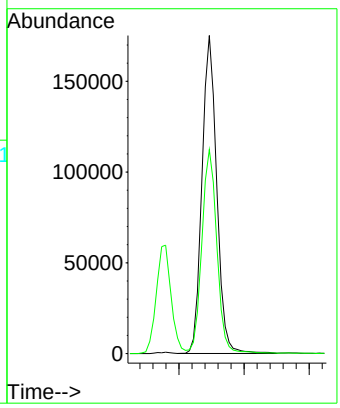
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

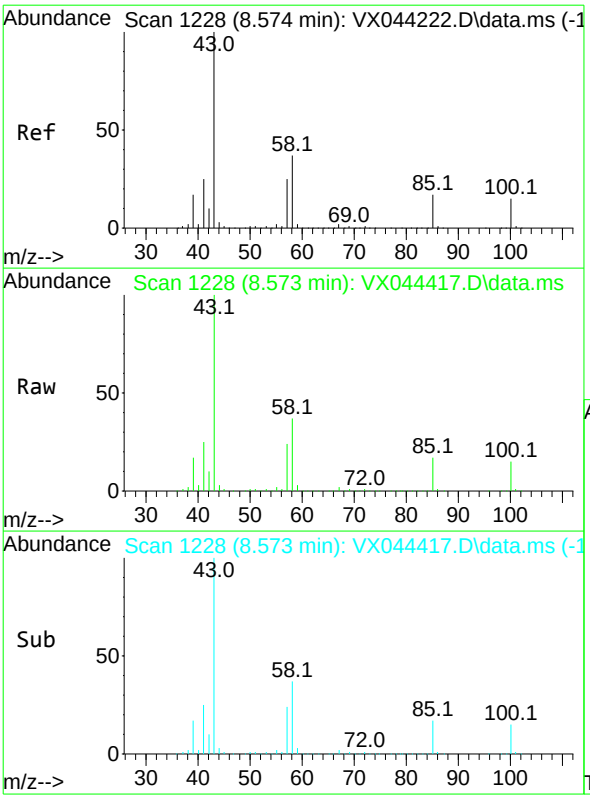



#50
Toluene-d8
Concen: 55.215 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 98 Resp: 275601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 51.5 | 77.3 |

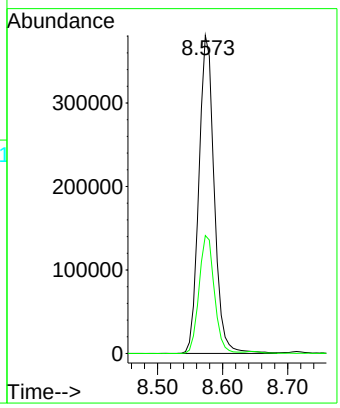





#51
4-Methyl-2-Pentanone
Concen: 262.151 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 43 Resp: 622807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
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RE132D5-20241217MS

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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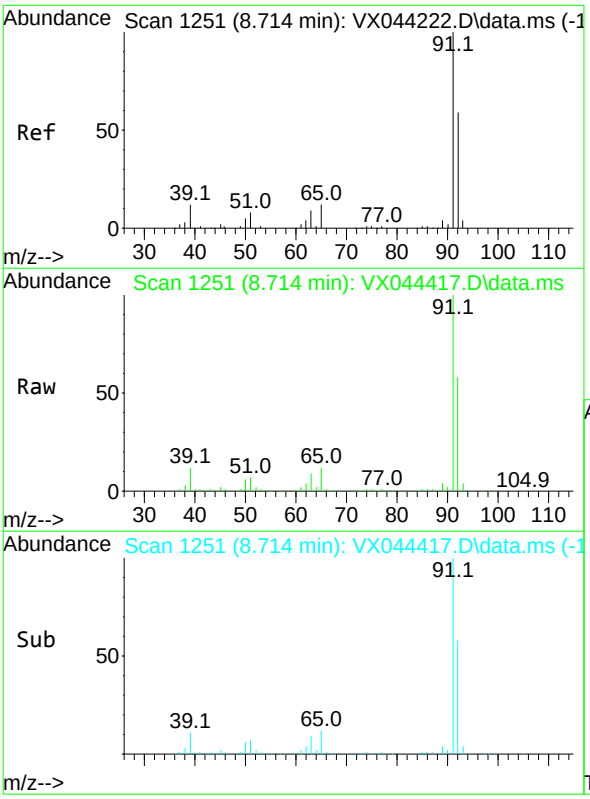
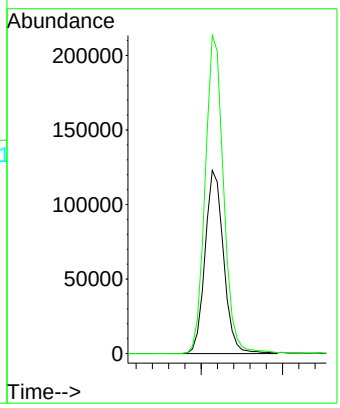
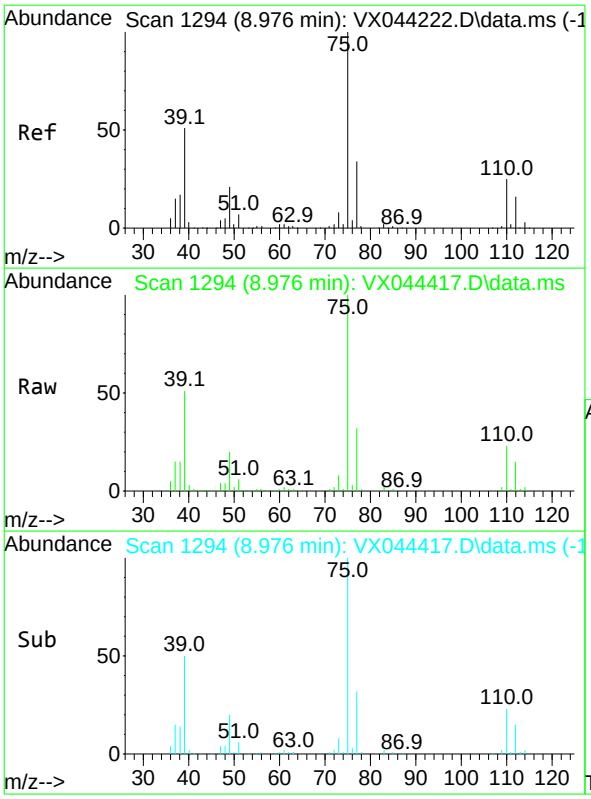



#52
Toluene
Concen: 53.428 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 92 Resp: 194818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.7 | 137.0 | 205.6 |

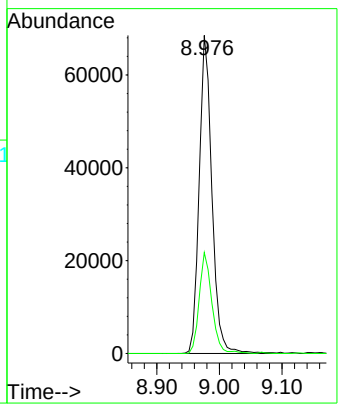





#53
t-1,3-Dichloropropene
Concen: 45.626 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 75 Resp: 96722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
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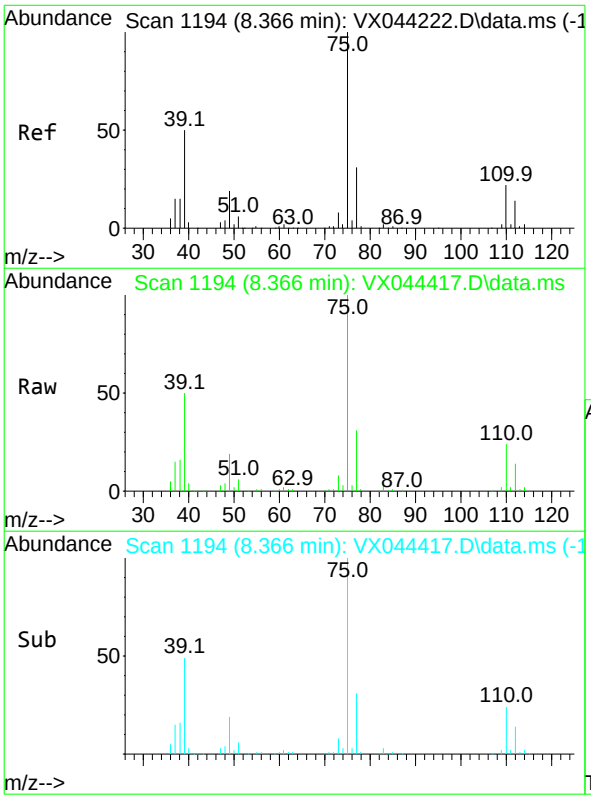
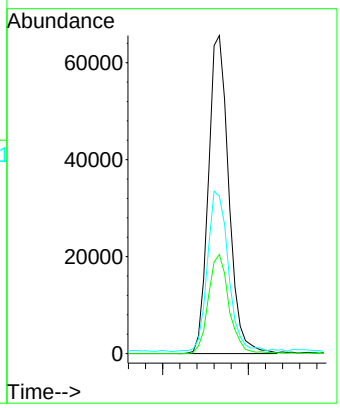
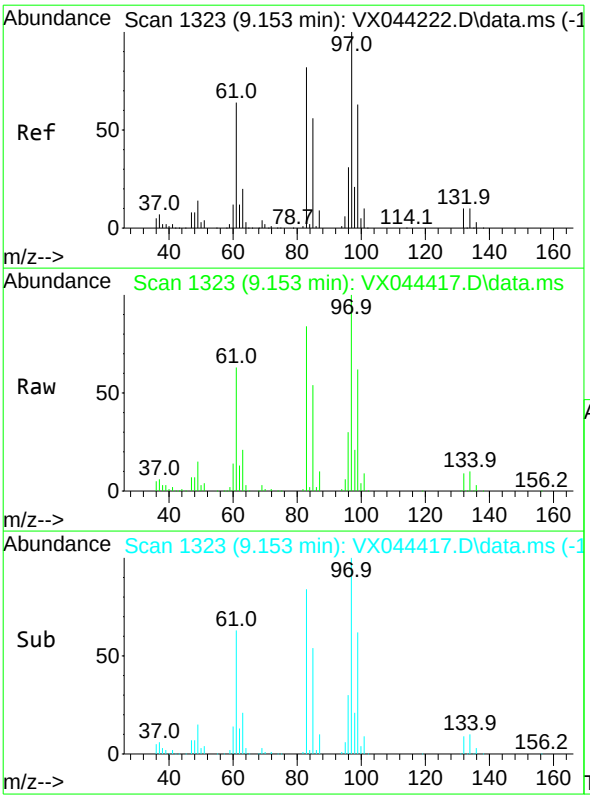



#54
cis-1,3-Dichloropropene
Concen: 50.056 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 75 Resp: 108330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 24.7 | 37.1 |
| 39 | 48.7 | 40.3 | 60.5 |

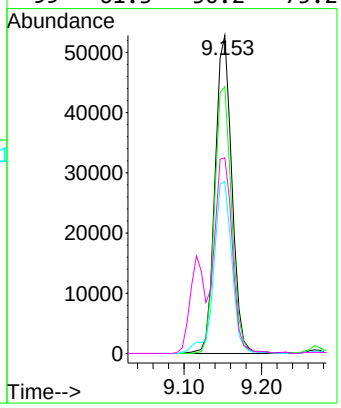





#55
1,1,2-Trichloroethane
Concen: 54.999 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 97 Resp: 79671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.9 | 65.3 | 97.9 |
| 85 | 54.1 | 44.6 | 67.0 |
| 99 | 61.3 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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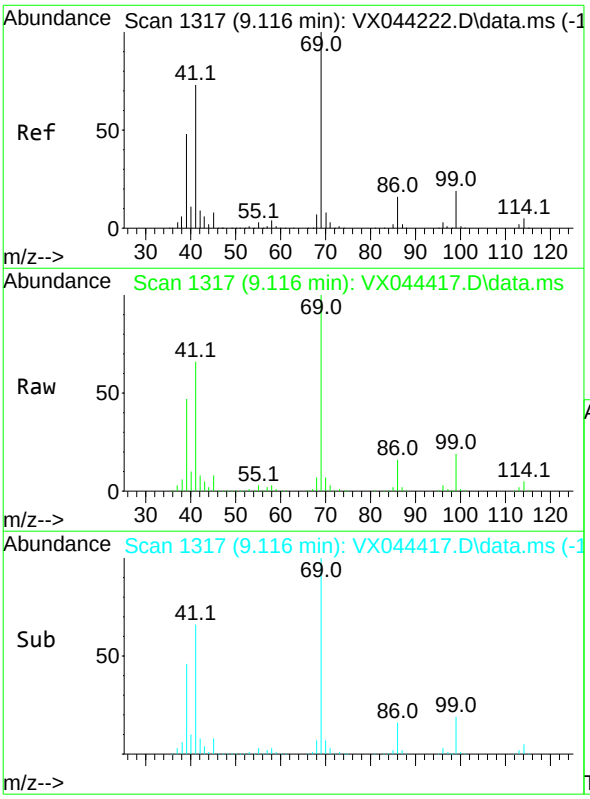
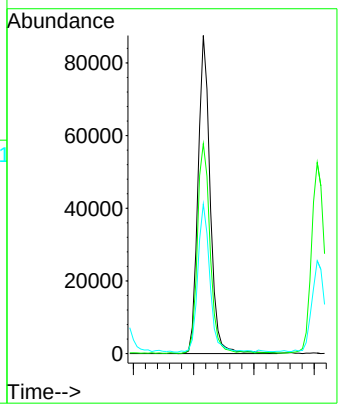
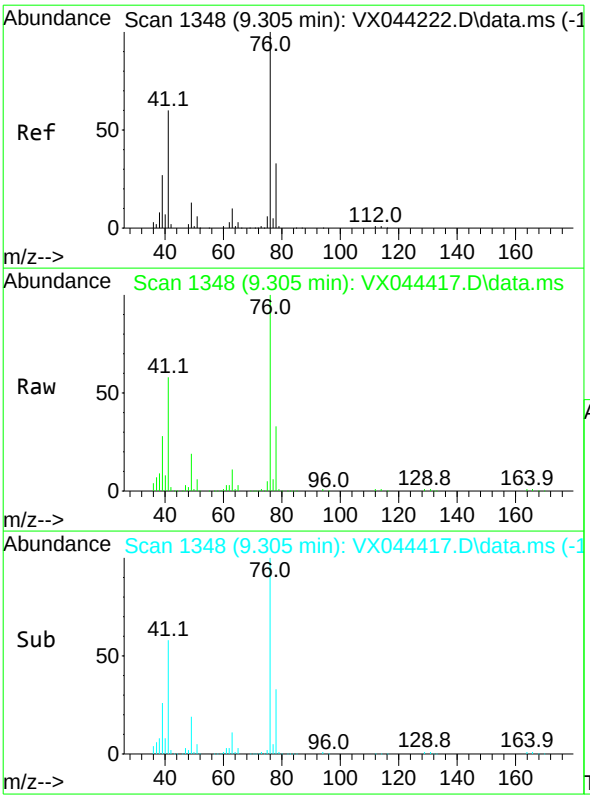



#56
Ethyl methacrylate
Concen: 53.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 69 Resp: 122174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.2 | 56.6 | 85.0 |
| 39 | 46.3 | 37.4 | 56.0 |






#57
1,3-Dichloropropane
Concen: 52.852 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 76 Resp: 133261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.1 | 26.5 | 39.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

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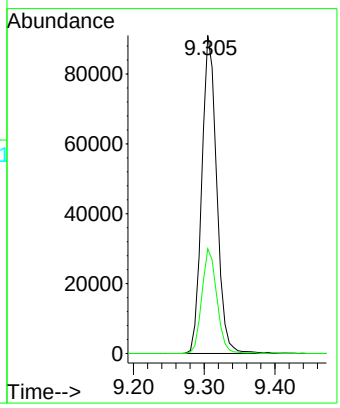
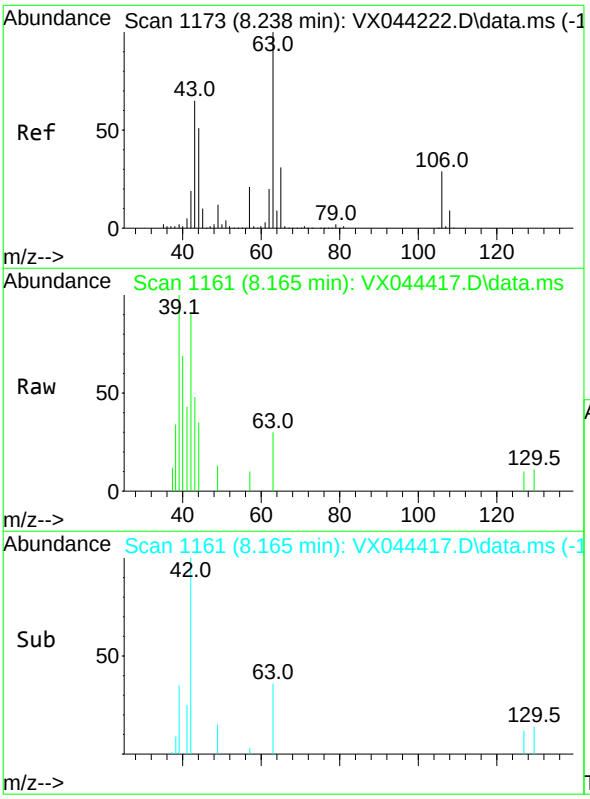
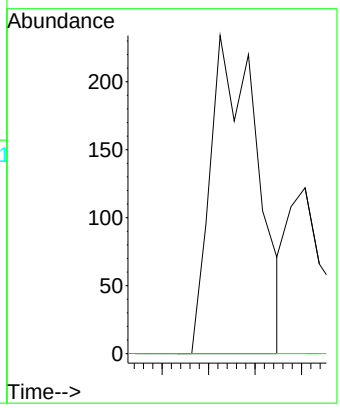


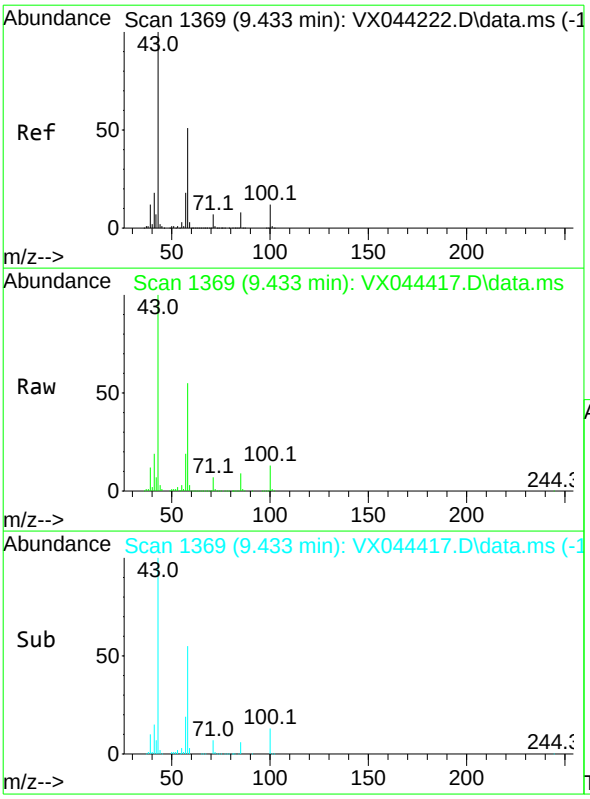




#58
2-Chloroethyl Vinyl ether
Concen: 0.284 ug/l
RT: 8.165 min Scan# 1161
Delta R.T. -0.073 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 63 Resp: 328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 22.8 | 34.2# |






#59
2-Hexanone
Concen: 265.129 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 43 Resp: 455924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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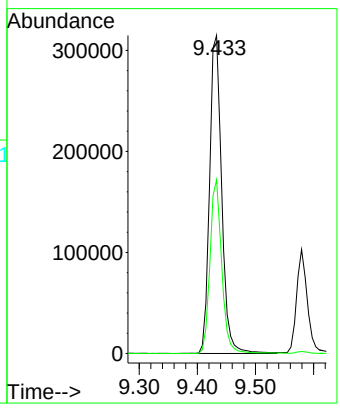
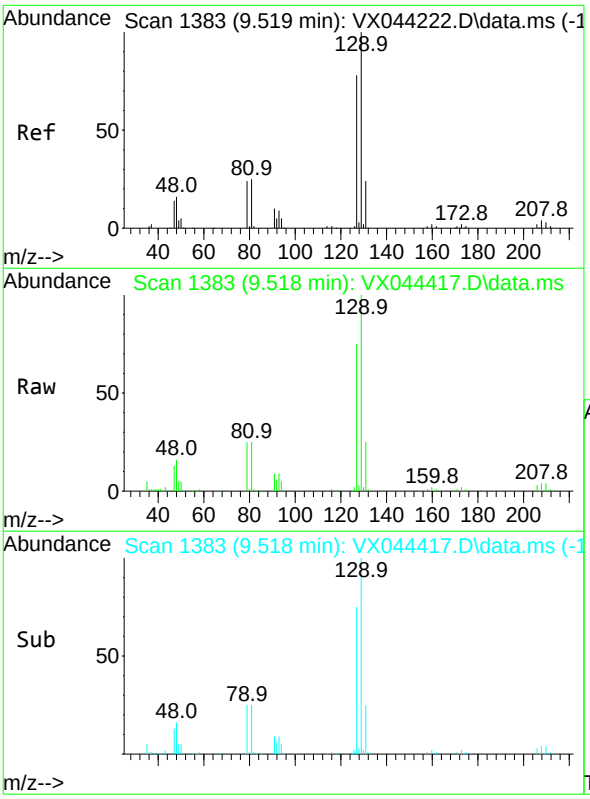
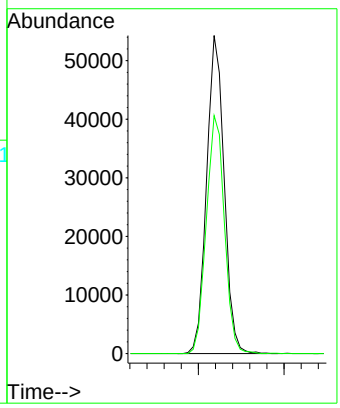


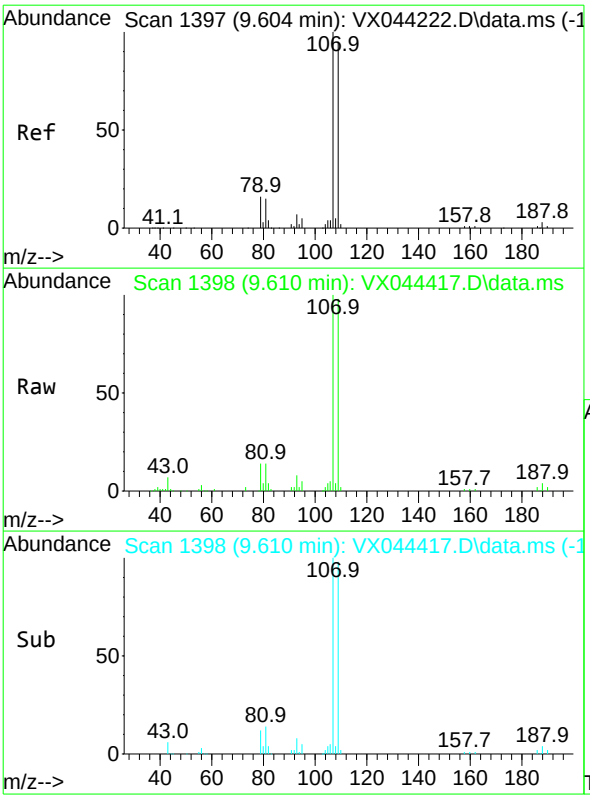




#60
Dibromochloromethane
Concen: 50.234 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:129 Resp: 77087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 38.5 | 115.3 |

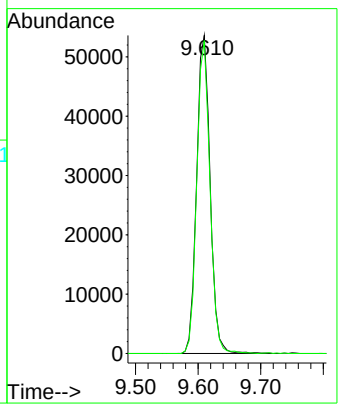





#61
1,2-Dibromoethane
Concen: 54.550 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:107 Resp: 80434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.9 | 77.0 | 115.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

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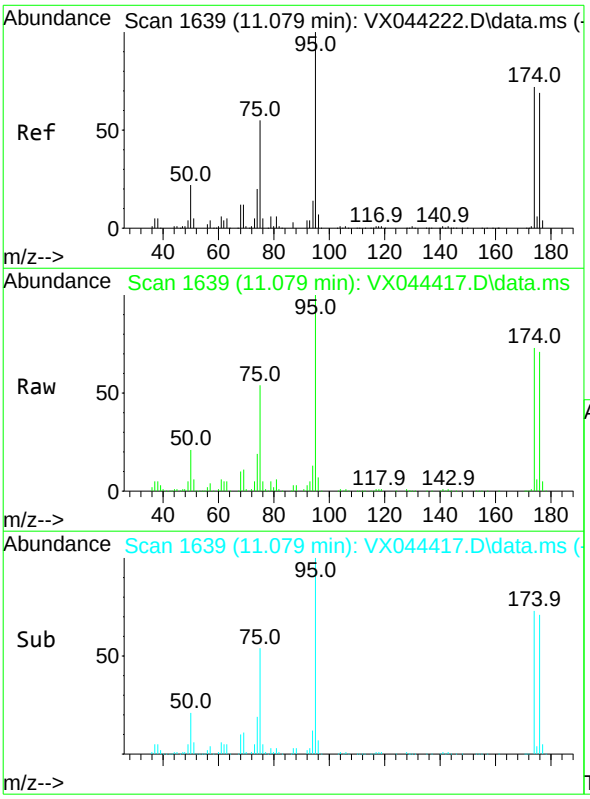
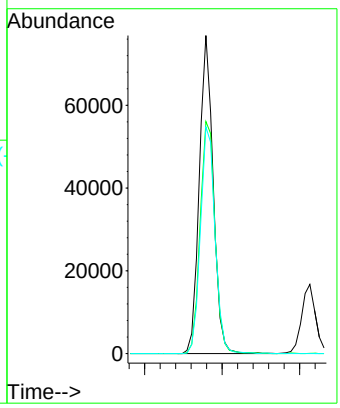
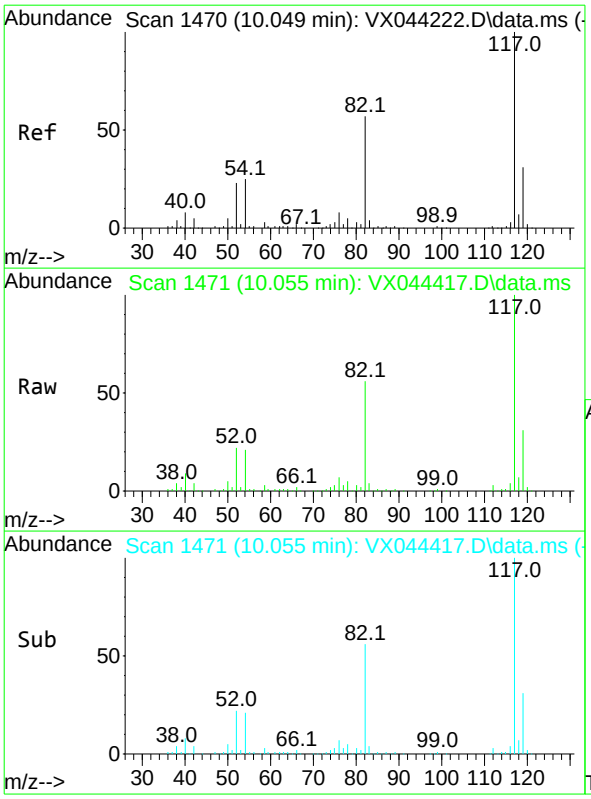



#62
4-Bromofluorobenzene
Concen: 54.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 95 Resp: 95512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.0 | 0.0 | 145.8 |
| 176 | 74.8 | 0.0 | 137.8 |

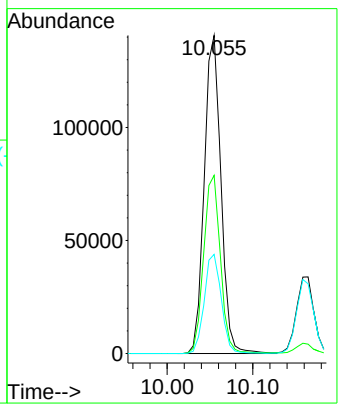





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:117 Resp: 190465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 45.8 | 68.8 |
| 119 | 31.2 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
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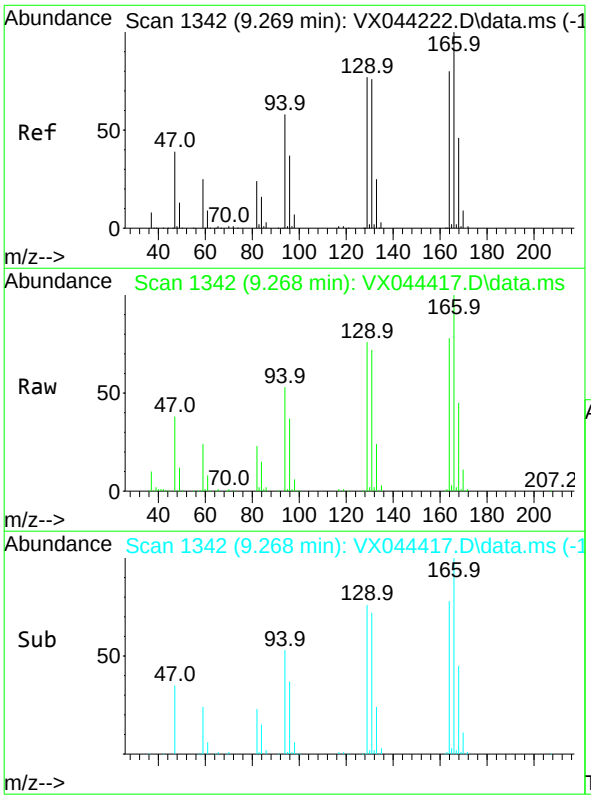
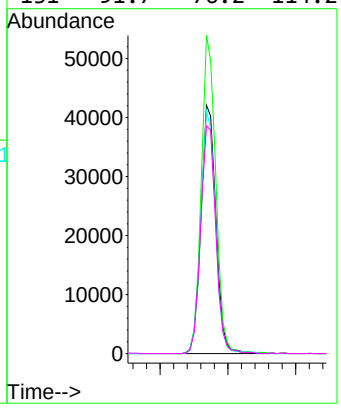
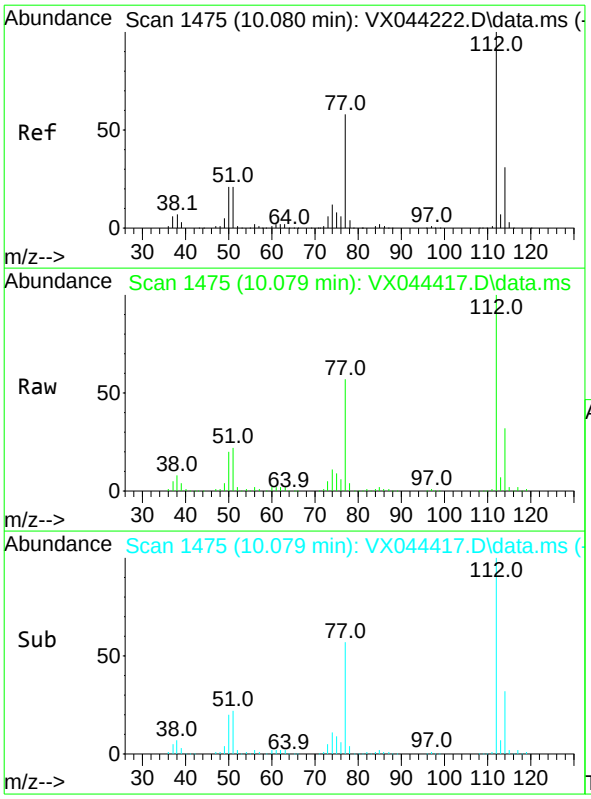



#64
Tetrachloroethene
Concen: 51.043 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:164 Resp: 64526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.1 | 100.4 | 150.6 |
| 129 | 97.9 | 77.2 | 115.8 |
| 131 | 91.7 | 76.2 | 114.2 |






#65
Chlorobenzene
Concen: 52.067 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

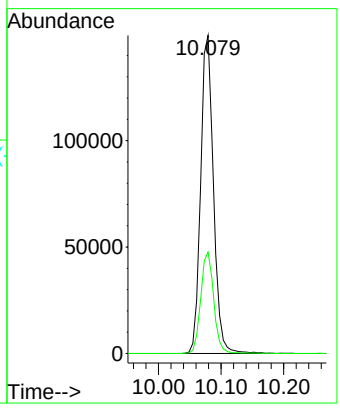
Tgt Ion:112 Resp: 212499

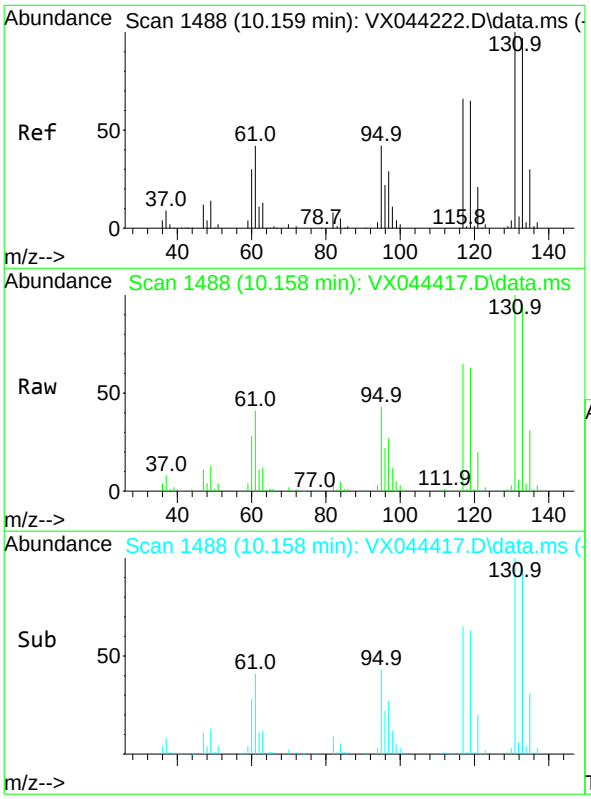
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.0 | 37.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

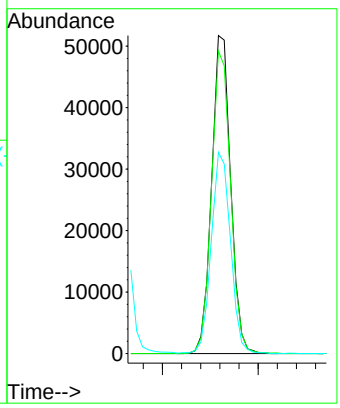


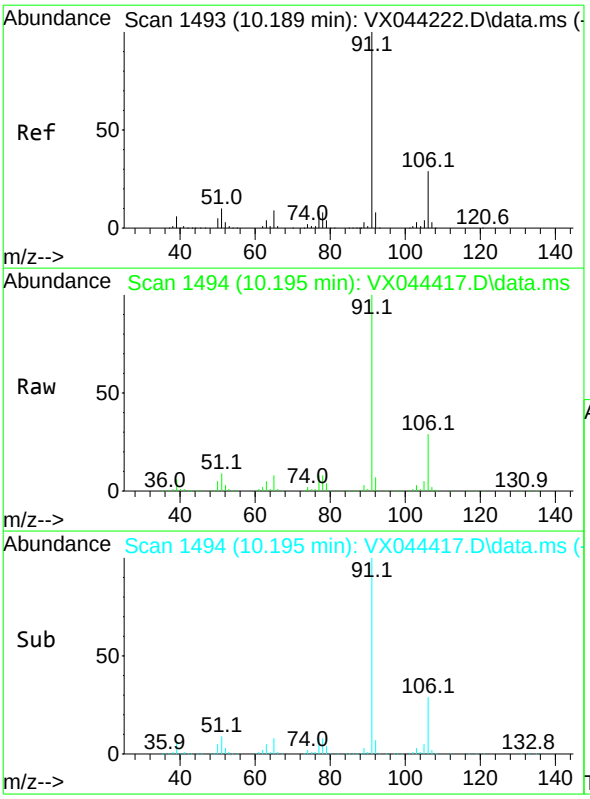




#66
1,1,1,2-Tetrachloroethane
Concen: 54.299 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:131 Resp: 71222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.6 | 47.3 | 141.8 |
| 119 | 64.3 | 31.6 | 95.0 |






#67
Ethyl Benzene
Concen: 51.729 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 91 Resp: 364782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 23.5 | 35.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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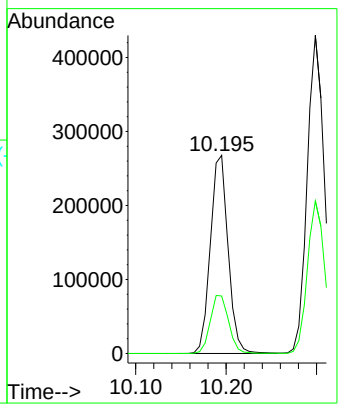
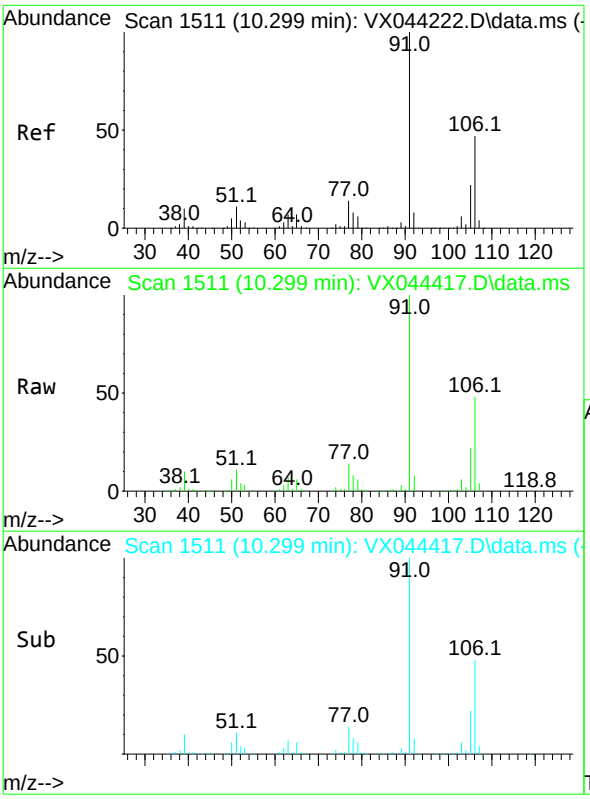
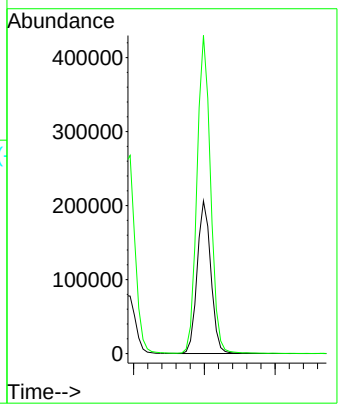


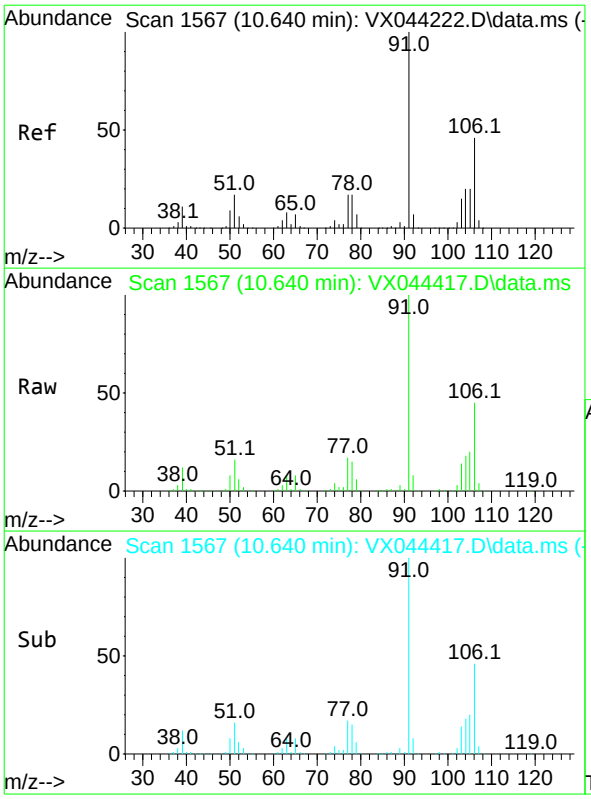




#68
m/p-Xylenes
Concen: 106.816 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:106 Resp: 276393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.6 | 170.2 | 255.2 |

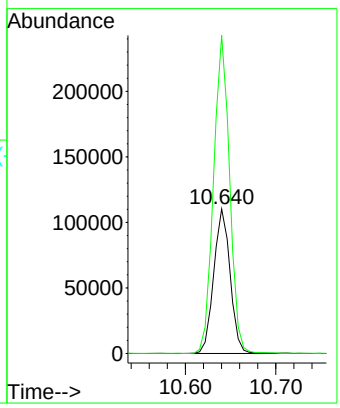





#69
o-Xylene
Concen: 53.138 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:106 Resp: 139121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.9 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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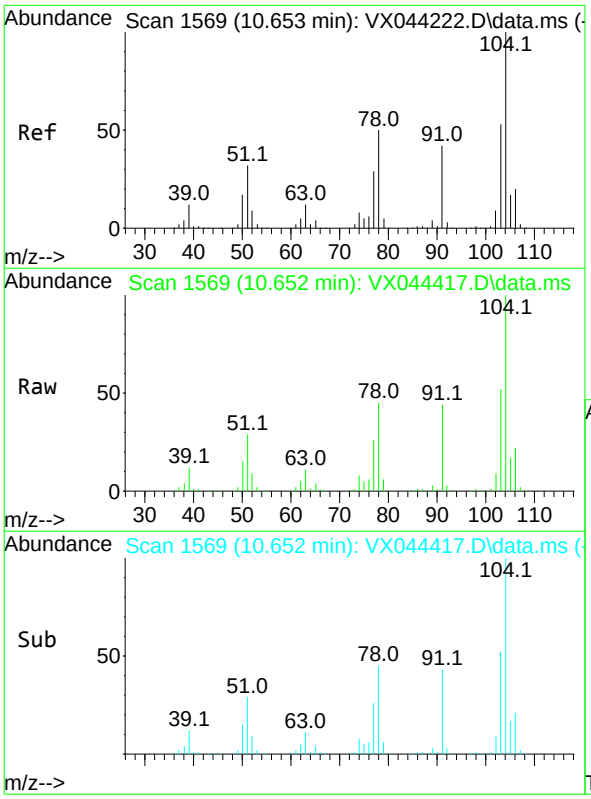
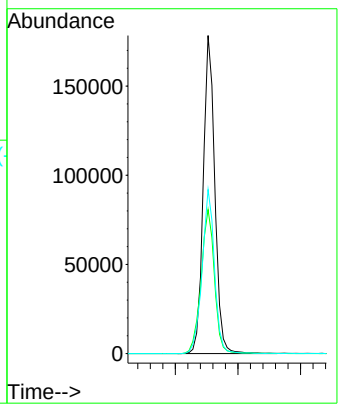
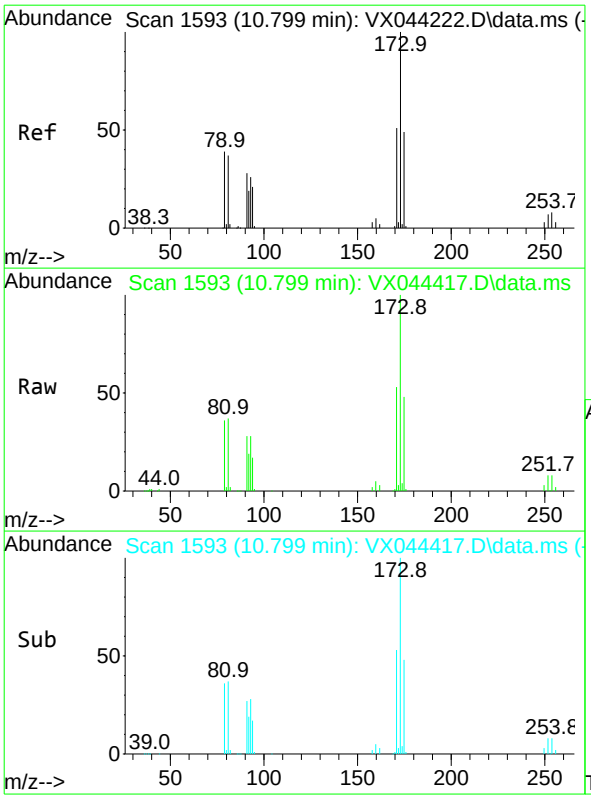



#70
Styrene
Concen: 54.597 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:104 Resp: 229145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.2 | 44.6 | 67.0 |
| 103 | 55.4 | 45.4 | 68.0 |






#71
Bromoform
Concen: 50.371 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:173 Resp: 46210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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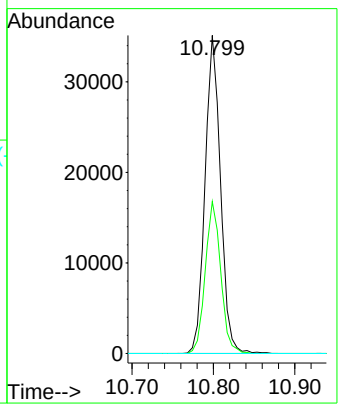
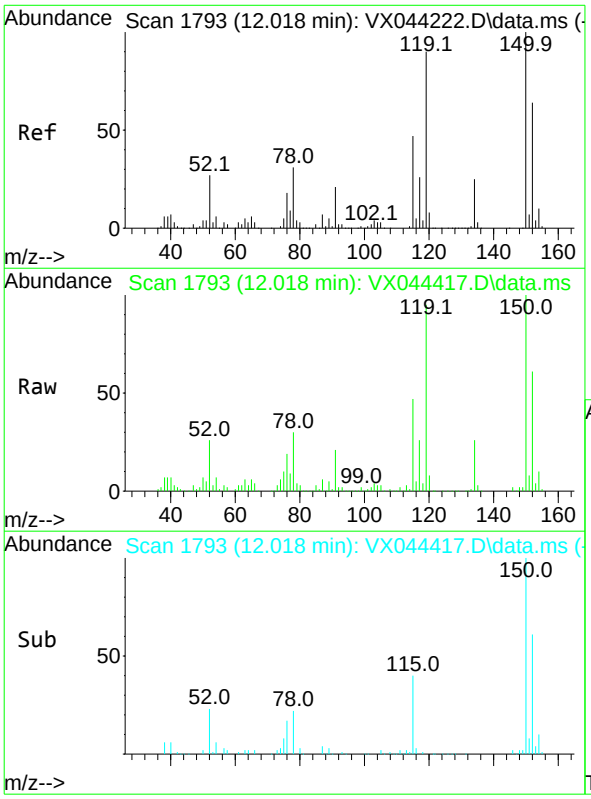
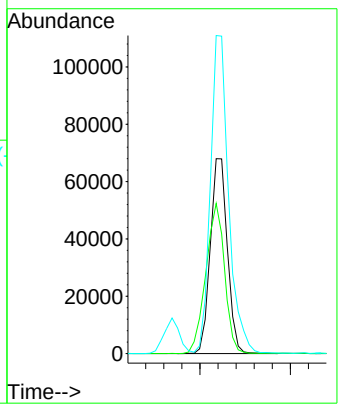


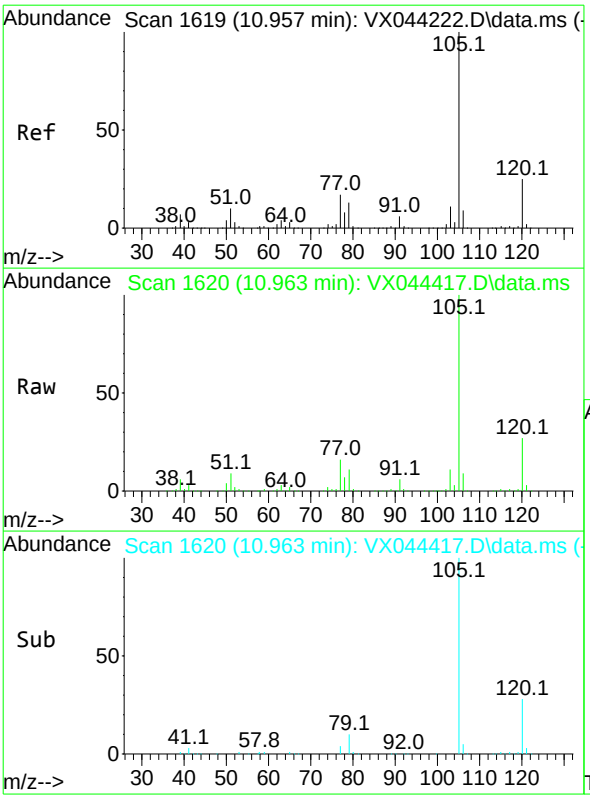




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:152 Resp: 89259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.6 | 44.5 | 133.3 |
| 150 | 173.8 | 0.0 | 353.8 |






#73
Isopropylbenzene
Concen: 51.758 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:105 Resp: 353672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.1 | 39.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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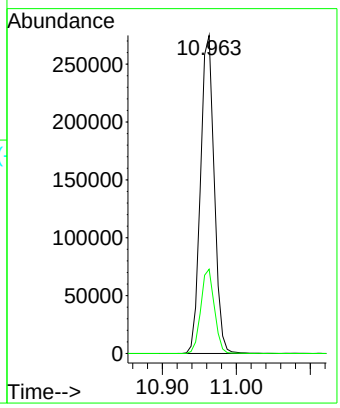
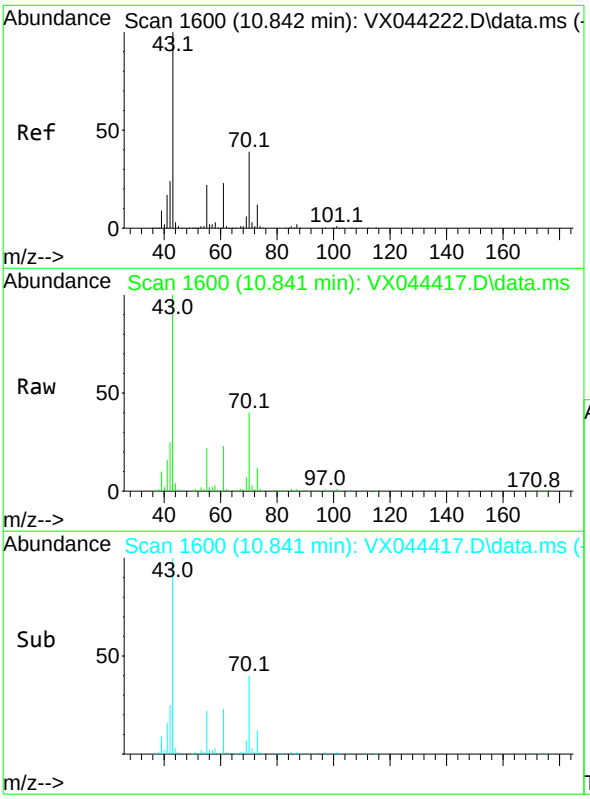
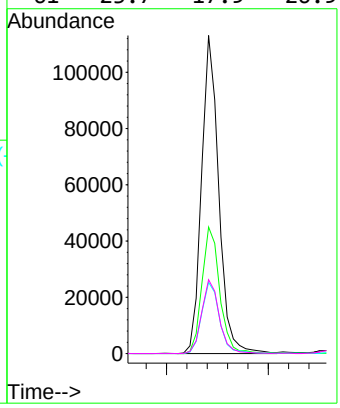


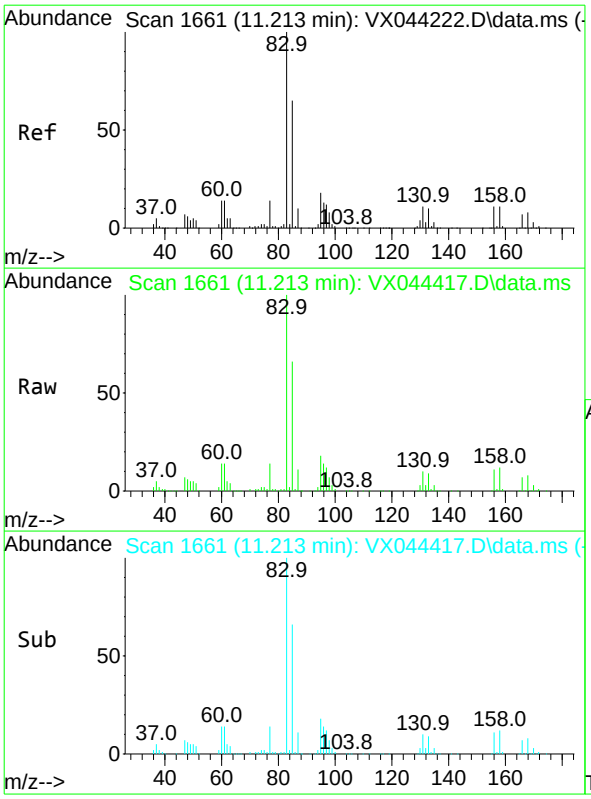




#74
N-amyl acetate
Concen: 42.122 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 43 Resp: 133021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 31.9 | 47.9 |
| 55 | 23.2 | 17.9 | 26.9 |
| 61 | 23.7 | 17.9 | 26.9 |






#75
1,1,2,2-Tetrachloroethane
Concen: 50.787 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 83 Resp: 120537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.1 | 15.4 |
| 85 | 65.1 | 32.5 | 97.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

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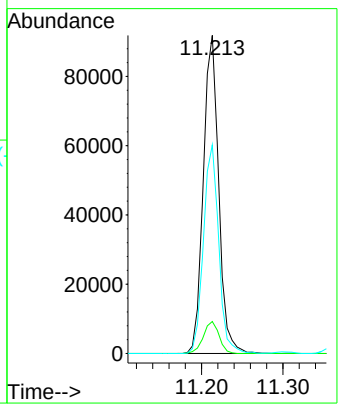
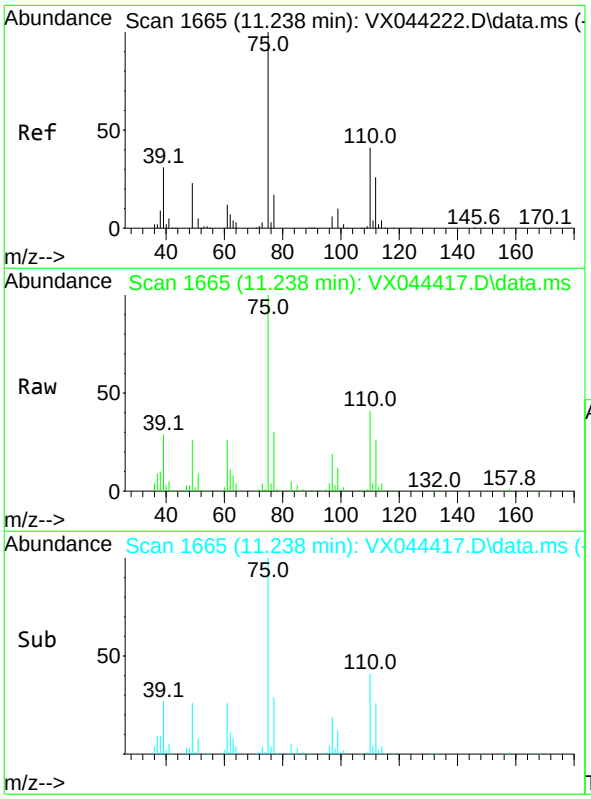
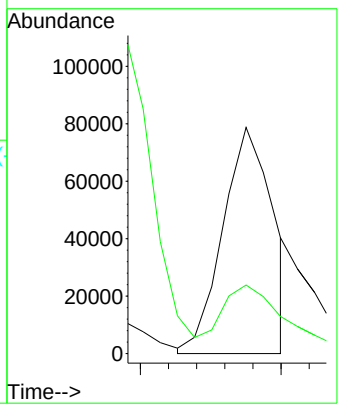


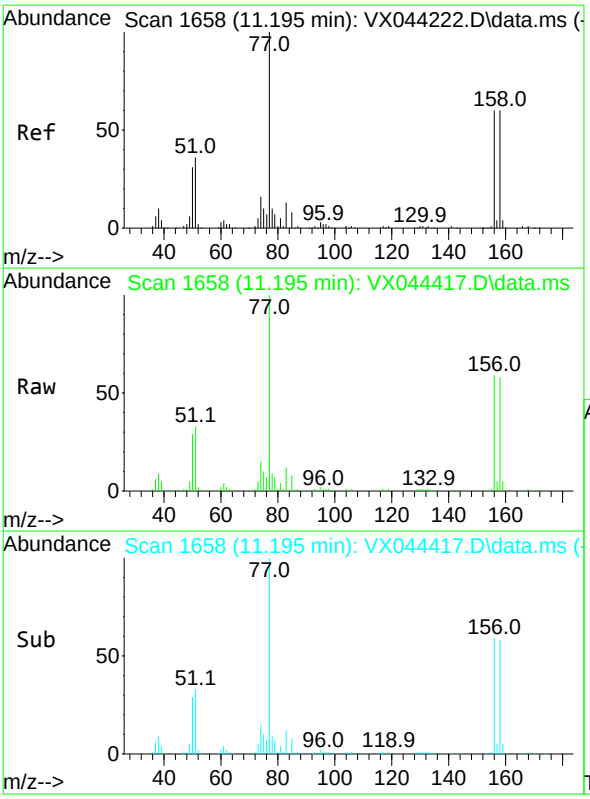




#76
1,2,3-Trichloropropane
Concen: 48.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 75 Resp: 97575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.6 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 51.358 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:156 Resp: 85100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 163.5 | 82.6 | 247.8 |
| 158 | 98.1 | 48.8 | 146.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

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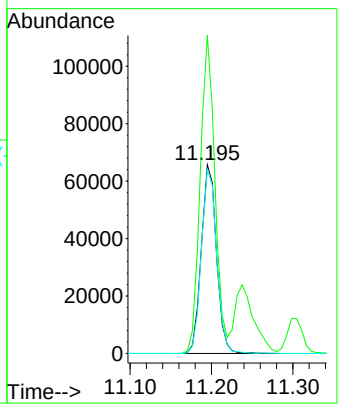
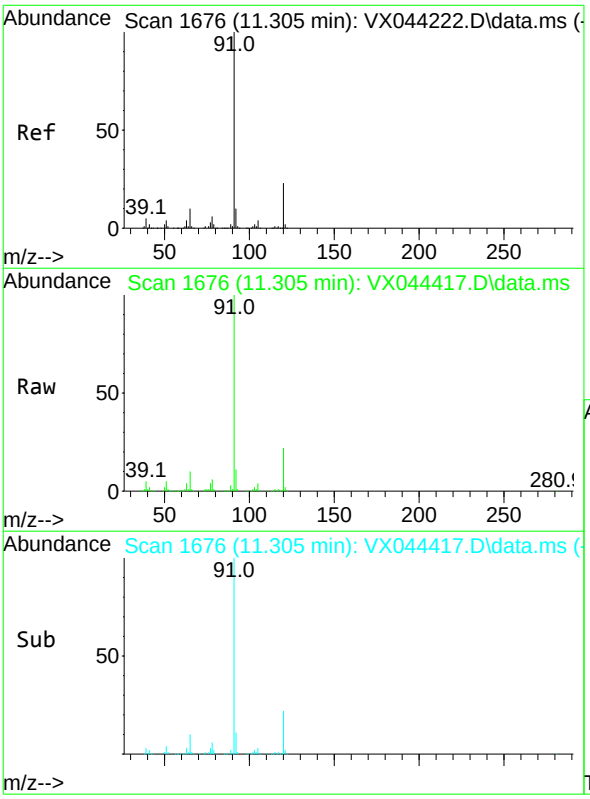
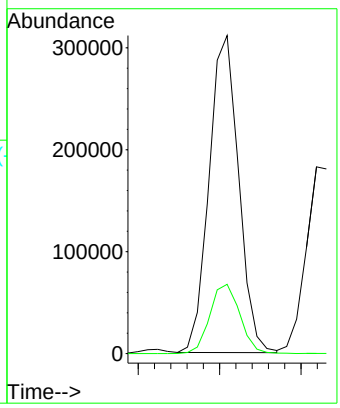


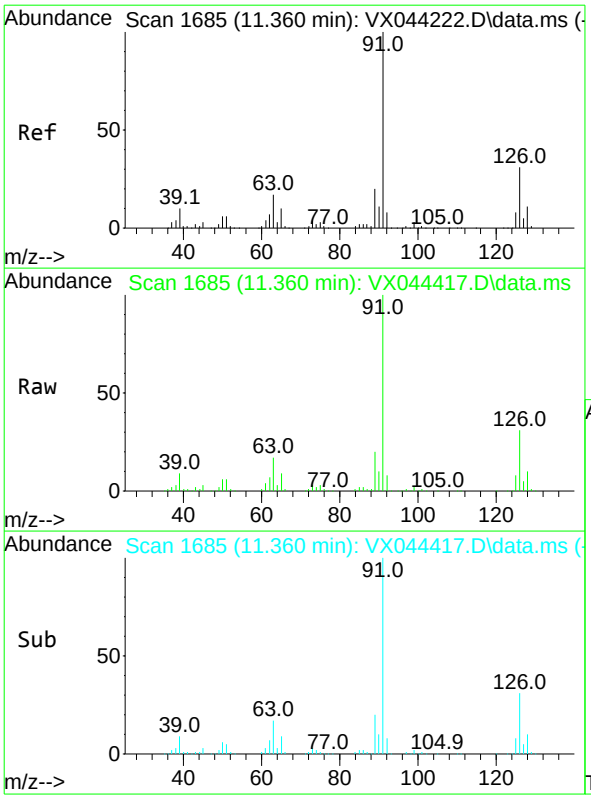




#78
n-propylbenzene
Concen: 52.064 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 91 Resp: 393213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 49.418 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 91 Resp: 241377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
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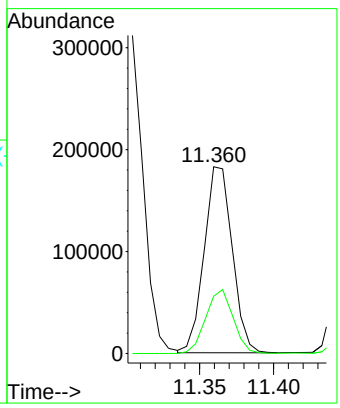
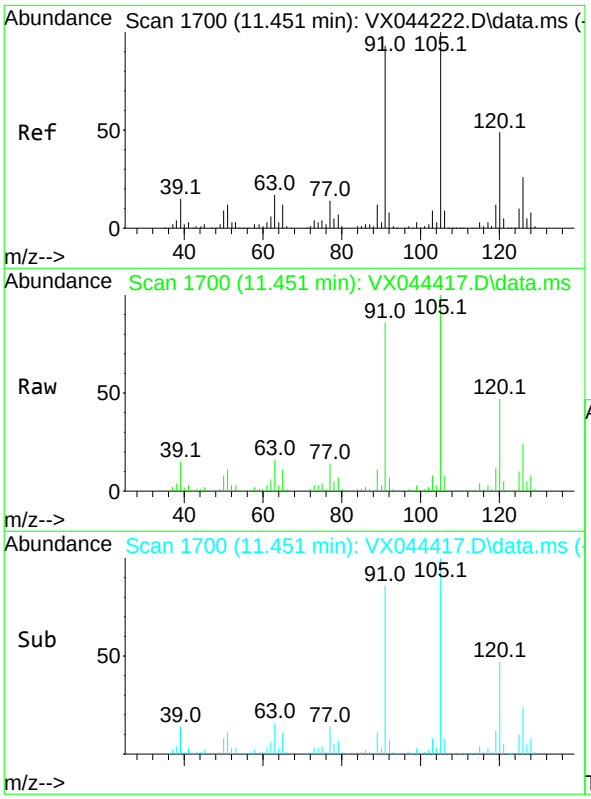
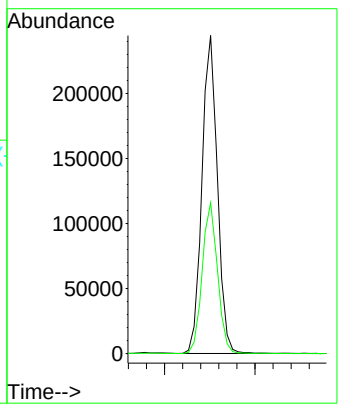


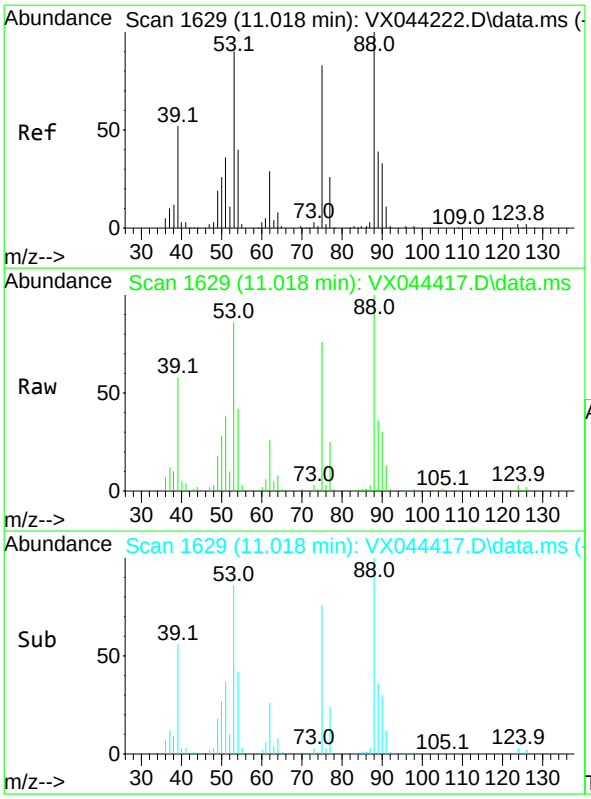




#80
1,3,5-Trimethylbenzene
Concen: 51.181 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:105 Resp: 290026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.0 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 37.797 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 75 Resp: 25222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 116.0 | 93.6 | 140.4 |
| 89 | 47.0 | 37.3 | 55.9 |

**Manual Integrations**
**APPROVED**

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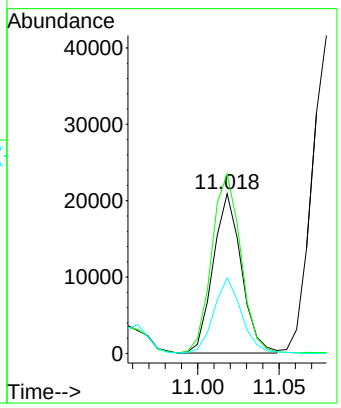
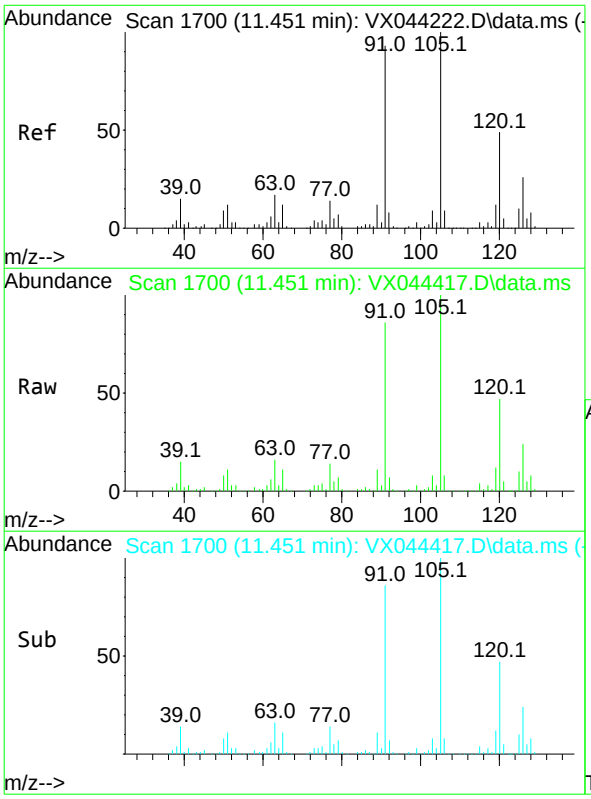
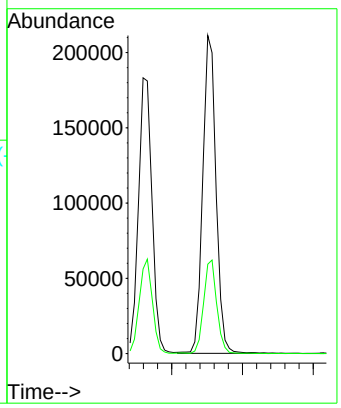


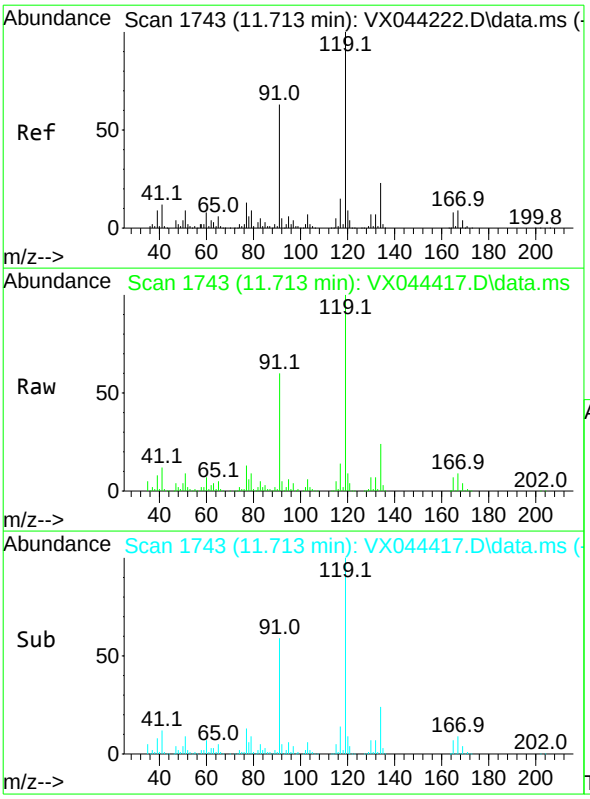




#82
4-Chlorotoluene
Concen: 50.851 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 91 Resp: 275039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.4 | 14.5 | 43.5 |






#83
tert-Butylbenzene
Concen: 52.357 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

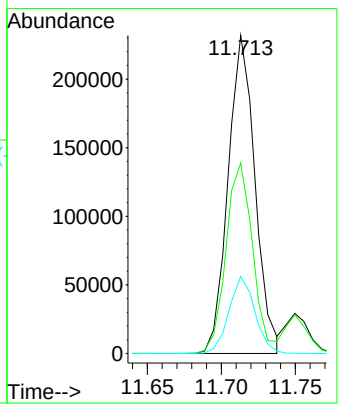
Tgt Ion:119 Resp: 293206

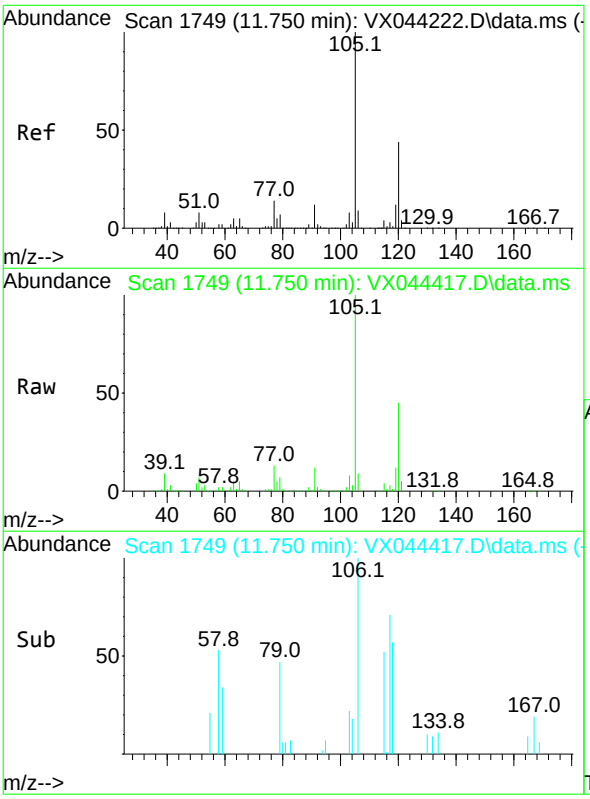
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.7 | 30.9 | 92.5 |
| 134 | 23.4 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

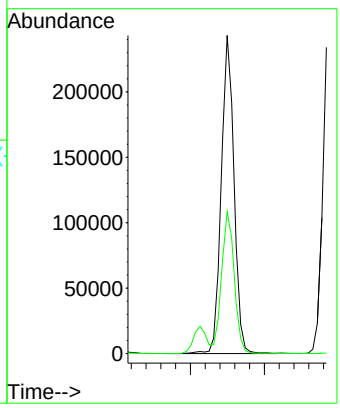


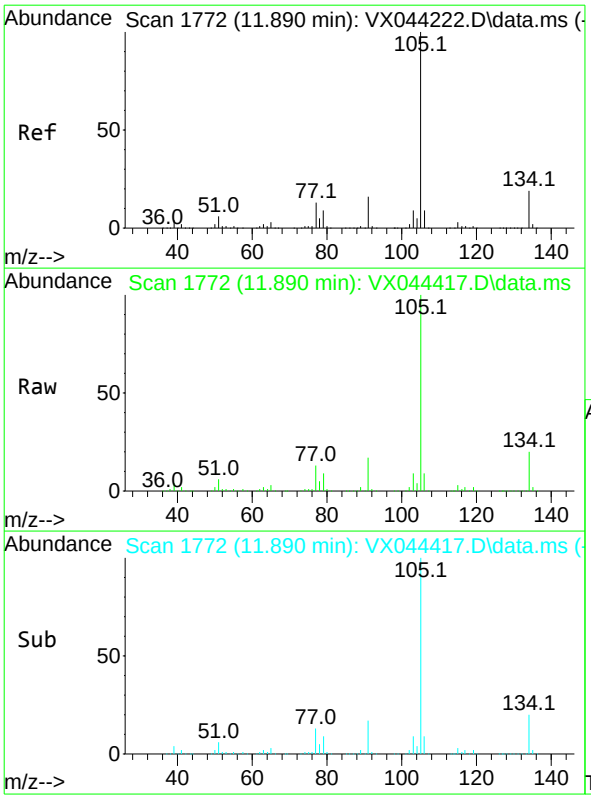




#84
1,2,4-Trimethylbenzene
Concen: 52.275 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:105 Resp: 290913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 51.163 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

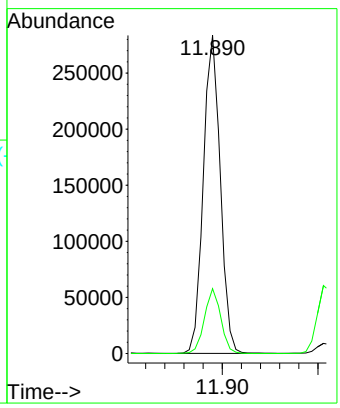
Tgt Ion:105 Resp: 347835

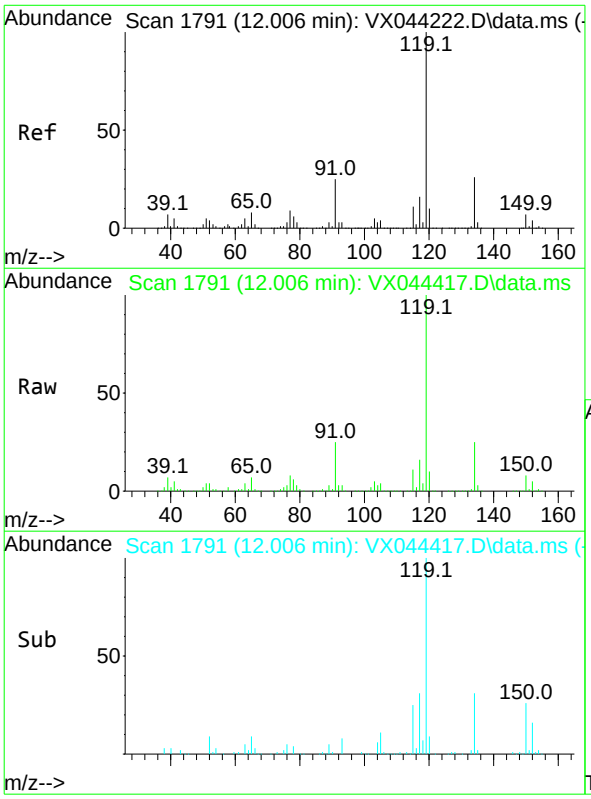
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

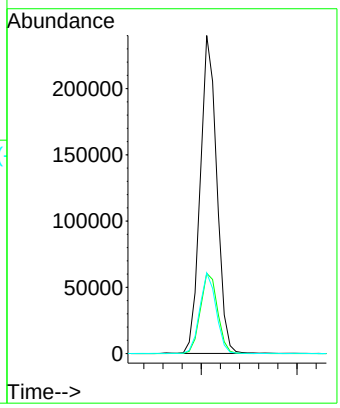


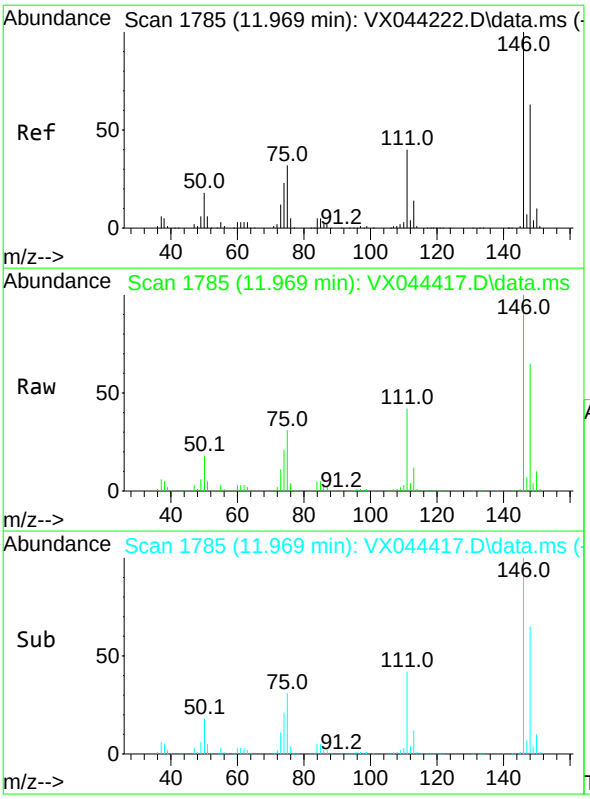




#86
p-Isopropyltoluene
Concen: 50.779 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:119 Resp: 287333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.8 | 38.4 |
| 91 | 25.0 | 13.0 | 39.0 |






#87
1,3-Dichlorobenzene
Concen: 52.313 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

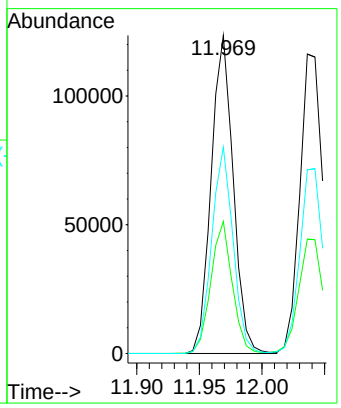
Tgt Ion:146 Resp: 151413

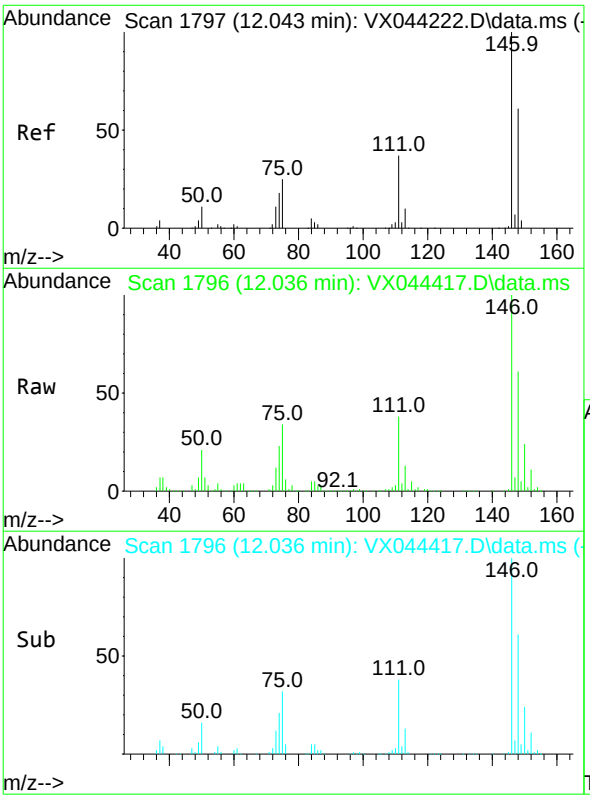
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 21.4 | 64.2 |
| 148 | 62.9 | 31.7 | 95.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

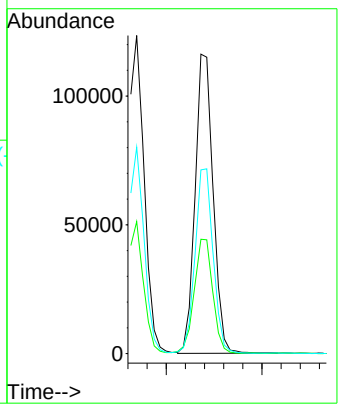


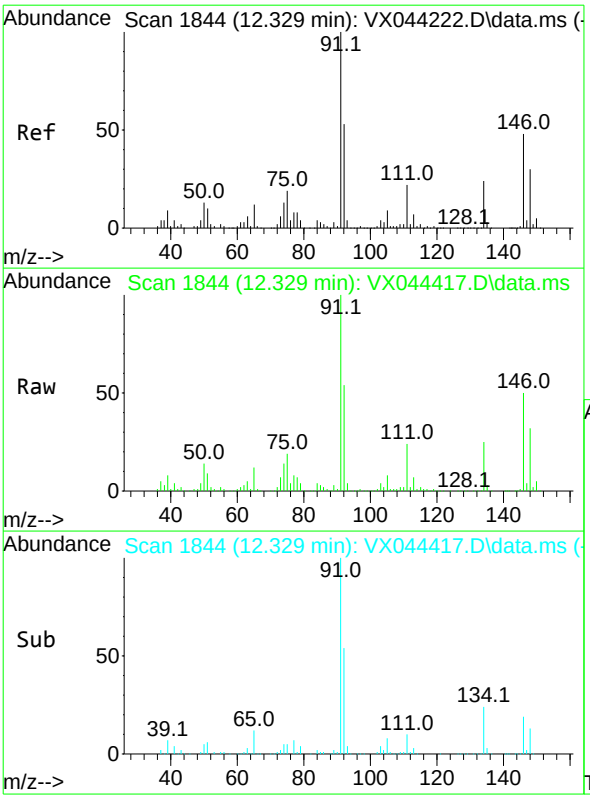




#88
1,4-Dichlorobenzene
Concen: 50.911 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:146 Resp: 151478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.4 | 21.0 | 63.0 |
| 148 | 62.1 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 50.400 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

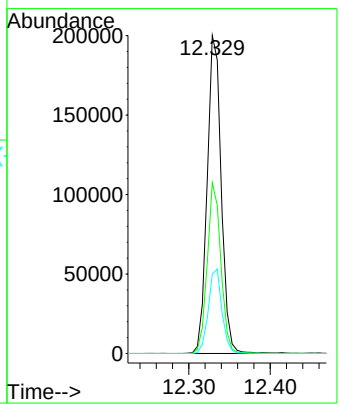
**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

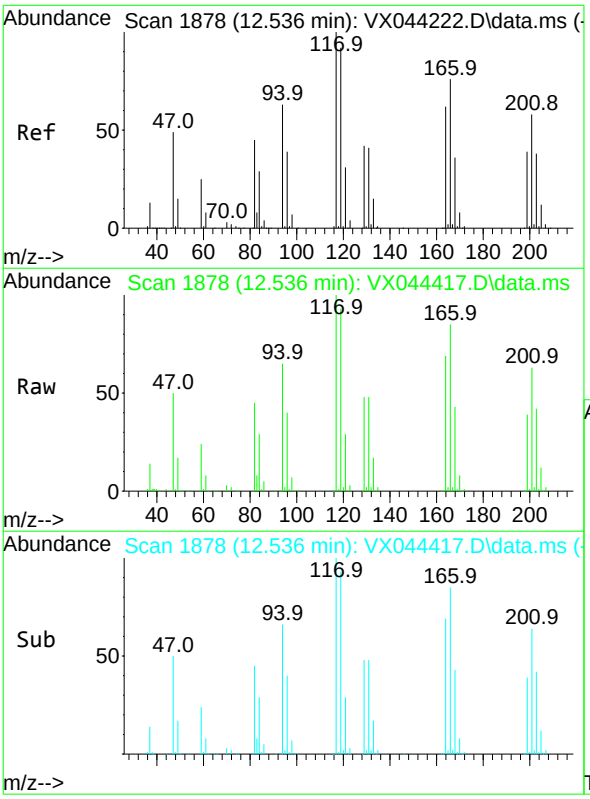
Tgt Ion: 91 Resp: 239808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.1 | 26.6 | 79.7 |
| 134 | 25.7 | 12.6 | 37.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

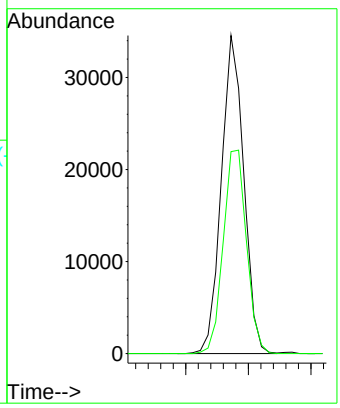


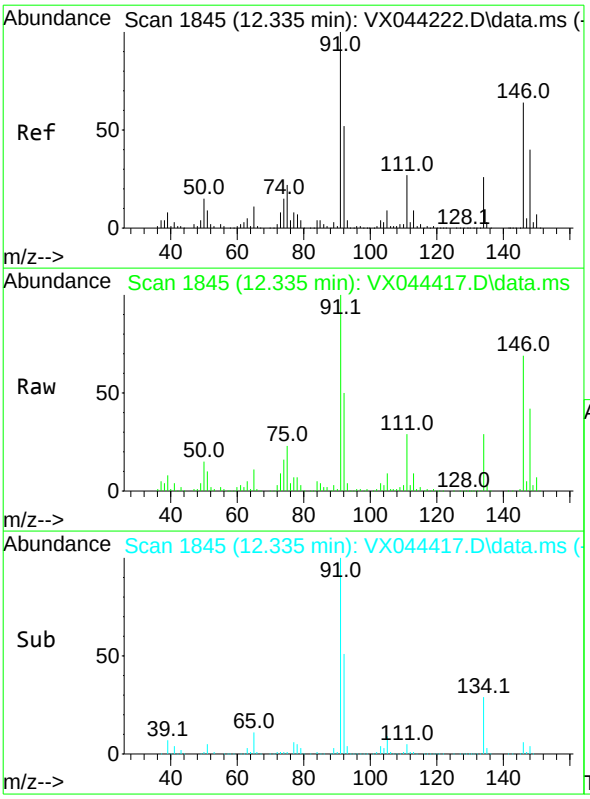




#90
Hexachloroethane
Concen: 52.138 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:117 Resp: 43066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.2 | 31.4 | 94.2 |






#91
1,2-Dichlorobenzene
Concen: 50.871 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

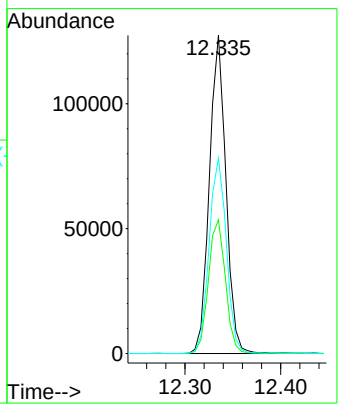
Tgt Ion:146 Resp: 152884

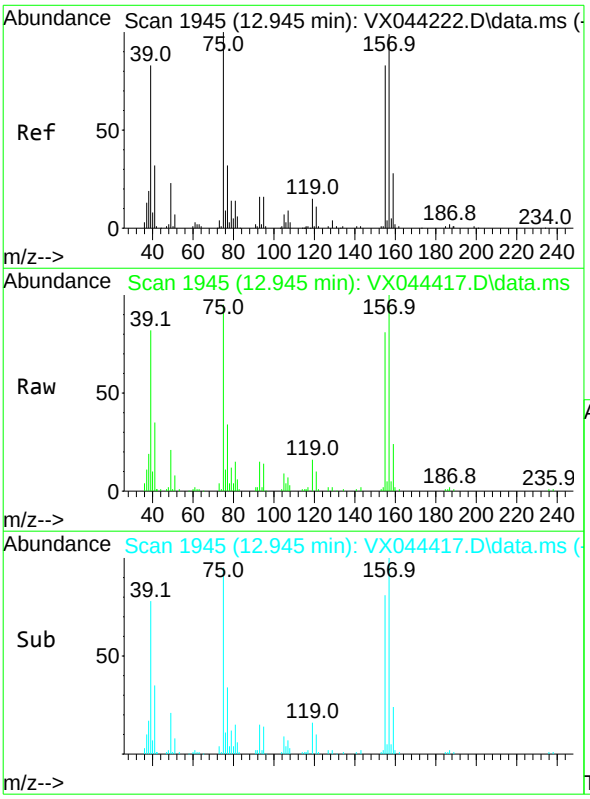
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.4 | 64.3 |
| 148 | 64.3 | 31.6 | 95.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

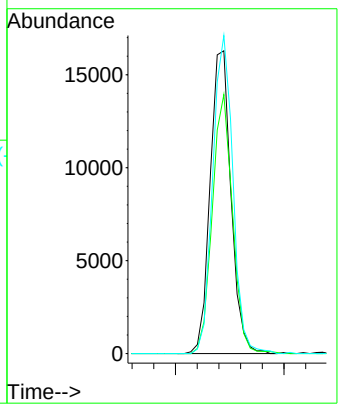


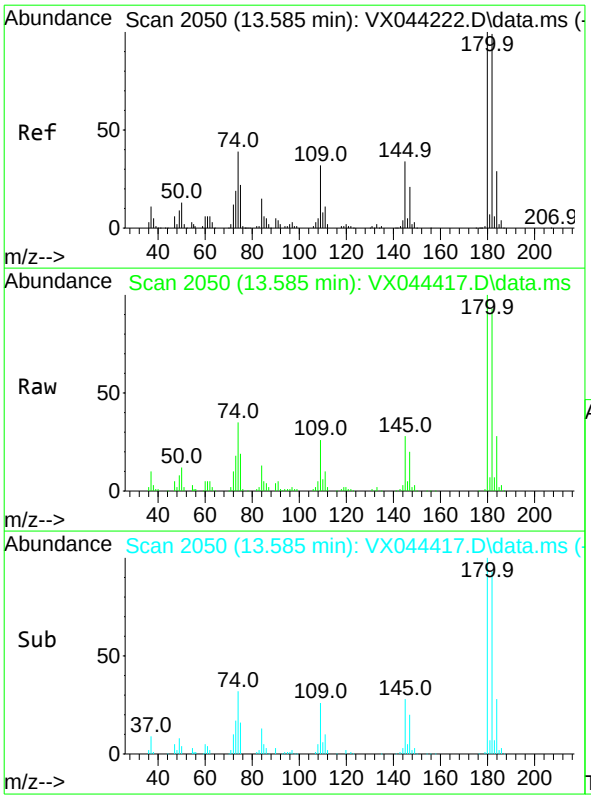




#92
1,2-Dibromo-3-Chloropropane
Concen: 47.254 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion: 75 Resp: 21771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.8 | 38.1 | 114.3 |
| 157 | 101.3 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 52.132 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

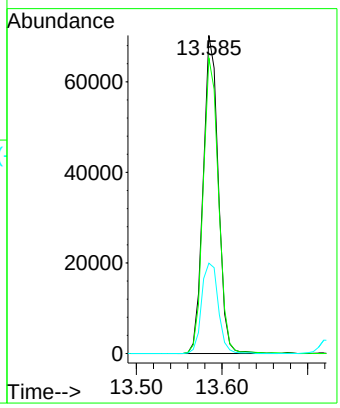
Tgt Ion:180 Resp: 85895

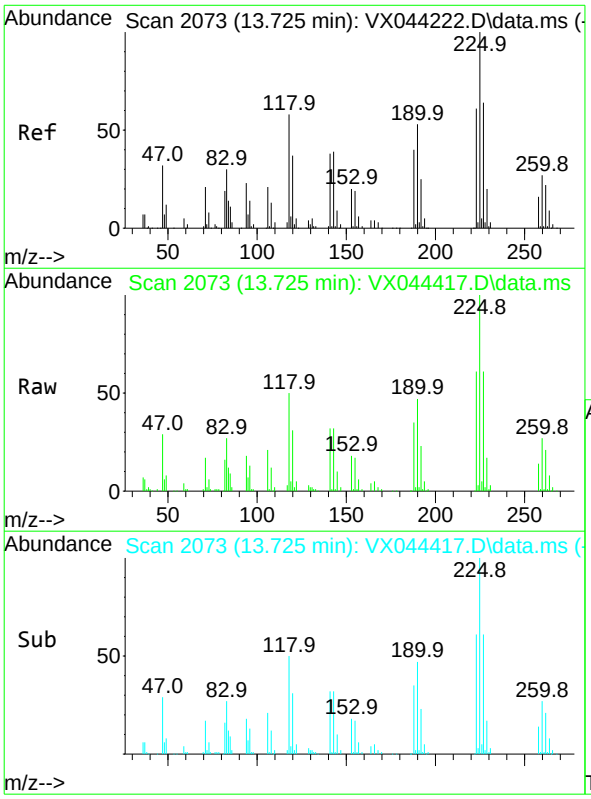
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 48.0 | 144.2 |
| 145 | 31.3 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

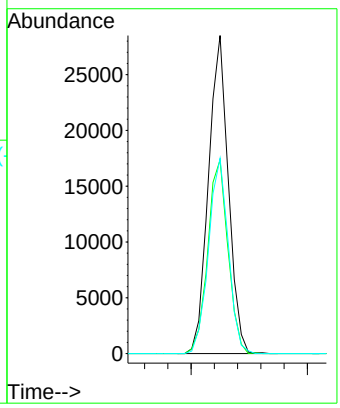


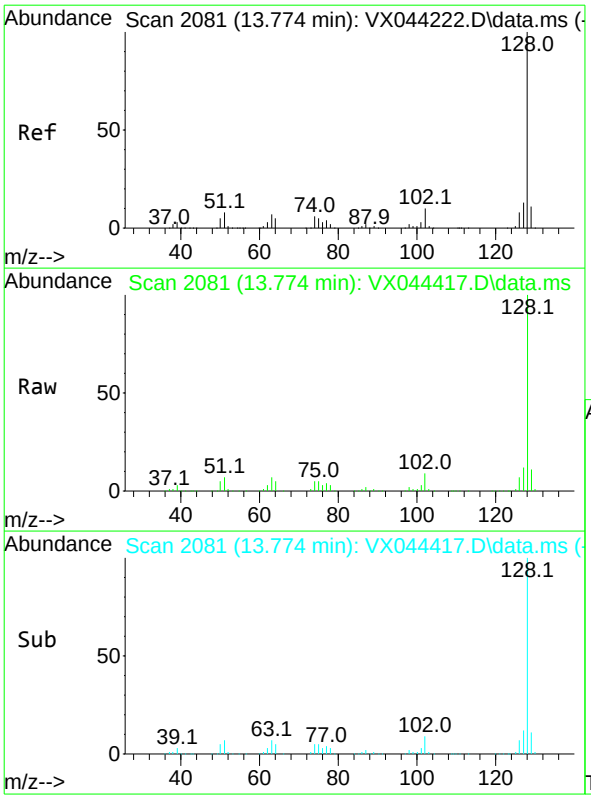




#94
Hexachlorobutadiene
Concen: 51.014 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:225 Resp: 33809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 30.8 | 92.4 |
| 227 | 61.0 | 32.1 | 96.3 |

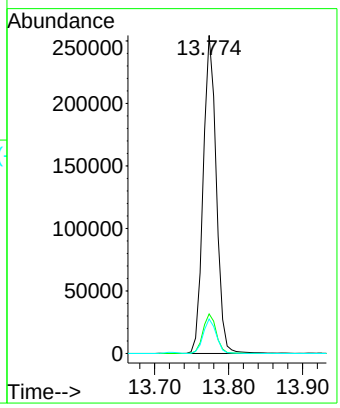





#95
Naphthalene
Concen: 48.567 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:128 Resp: 312358

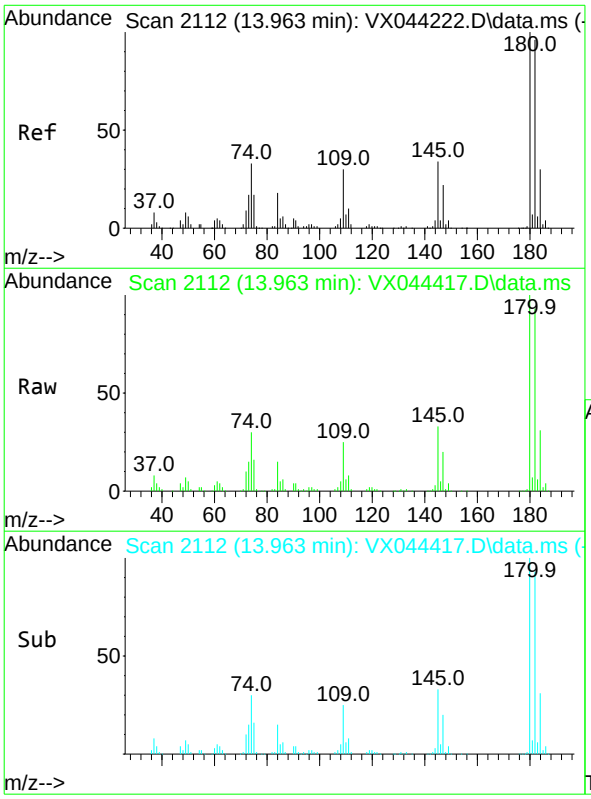
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

**Manual Integrations**
**APPROVED**

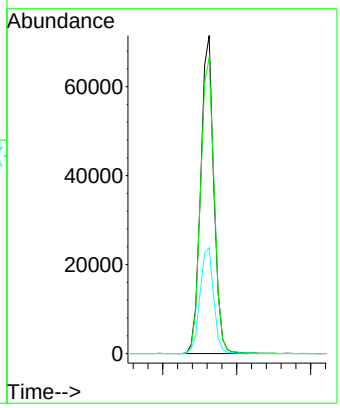
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024




#96
1,2,3-Trichlorobenzene
Concen: 50.422 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28

Tgt Ion:180 Resp: 88117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 48.0 | 144.0 |
| 145 | 34.7 | 17.7 | 53.1 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217MSD | SDG No.: | P5317 |
| Lab Sample ID: | P5317-20MSD | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044418.D | 1 | | 12/19/24 06:51 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 52.5 | | 0.21 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 52.8 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 52.7 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 51.1 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 50.0 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 46.5 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 57.5 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 57.1 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 230 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 54.9 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 50.3 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 42.4 | | 0.60 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 52.3 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 54.5 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 53.6 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 51.8 | | 1.60 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 250 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 52.3 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 53.6 | | 0.25 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 48.3 | | 0.18 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 51.3 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 51.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 49.2 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 53.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 50.5 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 190 | E | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 51.7 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 53.9 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 260 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 52.9 | | 0.18 | 0.50 | 1.00 | ug/L |

Raw Data: **VX044418.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217MSD | SDG No.: | P5317 |
| Lab Sample ID: | P5317-20MSD | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044418.D | 1 | | 12/19/24 06:51 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 46.0 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 49.9 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 54.8 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 260 | | 1.10 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 50.9 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 54.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 49.8 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 51.2 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 51.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 110 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 52.4 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 54.0 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 50.9 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 50.3 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50.9 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 51.9 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 50.9 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 50.8 | | 0.19 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 49.7 | | 0.46 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 51.6 | | 0.42 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 52.1 | | 0.51 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.1 | | 81 - 118 | | 98% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.6 | | 80 - 119 | | 105% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.5 | | 89 - 112 | | 105% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 53.3 | | 85 - 114 | | 107% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 117000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 213000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 188000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 88700 | 12.024 | | | | |

Raw Data: **VX044418.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 12/17/24 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 12/17/24 |
| Client Sample ID: | RE132D5-20241217MSD | SDG No.: | P5317 |
| Lab Sample ID: | P5317-20MSD | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX044418.D | 1 | | 12/19/24 06:51 | VX121824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX044418.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044418.D
Acq On : 19 Dec 2024 06:51
Operator : JC/MD
Sample : P5317-20MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Dec 19 07:43:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 116949 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 212543 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 188325 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 88743 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 100683 | 49.102 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 98.200% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 77439 | 52.606 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.220% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 260771 | 52.508 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 105.020% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92575 | 53.347 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 106.700% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 94910 | 52.485 | ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 91353 | 52.828 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 94923 | 52.690 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 65294 | 51.087 | ug/l | 99 |
| 6) Chloroethane | 1.660 | 64 | 56136 | 50.041 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.861 | 101 | 164127 | 46.536 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 58021 | 48.195 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 82128 | 57.547 | ug/l | 98 |
| 10) Methyl Iodide | 2.440 | 142 | 103771 | 55.170 | ug/l | 96 |
| 11) Tert butyl alcohol | 2.995 | 59 | 68303 | 236.352 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 74788 | 57.053 | ug/l | 94 |
| 13) Acrolein | 2.239 | 56 | 103223 | 246.755 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 109683 | 50.235 | ug/l | 97 |
| 15) Acrylonitrile | 3.068 | 53 | 207951 | 259.773 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 188359 | 225.321 | ug/l | 95 |
| 17) Carbon Disulfide | 2.501 | 76 | 136752 | 54.881 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 91330 | 42.373 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 257121 | 50.264 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 82193 | 52.348 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 75912 | 54.489 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 246112 | 50.057 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 882527 | 220.784 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 146892 | 53.598 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 295478 | 248.629 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 64400 | 28.925 | ug/l | 93 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 94786 | 53.571 | ug/l | 90 |
| 28) Bromochloromethane | 4.891 | 49 | 64892 | 48.286 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.013 | 42 | 190066 | 249.164 | ug/l | 99 |
| 30) Chloroform | 5.092 | 83 | 158091 | 51.341 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 114705 | 51.830 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 131697 | 51.524 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 95317 | 50.092 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 98162 | 41.733 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 107044 | 52.253 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 111938 | 49.208 | ug/l | 99 |
| 40) Benzene | 6.031 | 78 | 308489 | 53.397 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044418.D
Acq On : 19 Dec 2024 06:51
Operator : JC/MD
Sample : P5317-20MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Dec 19 07:43:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 61093 | 48.914 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 120186 | 50.501 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 168928 | 45.950 | ug/l | | 98 |
| 44) Trichloroethene | 7.123 | 130 | 267679 | 185.797 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 76356 | 51.732 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 59613 | 52.060 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.818 | 83 | 106514 | 53.860 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 89170 | 49.967 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.665 | 88 | 36595 | 1236.819 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 612508 | 259.119 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 192052 | 52.936 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 97126 | 46.021 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 107458 | 49.904 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 78981 | 54.799 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 121540 | 53.416 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 132816 | 52.942 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.171 | 63 | 315 | 0.274 | ug/l | # | 46 |
| 59) 2-Hexanone | 9.433 | 43 | 449879 | 262.936 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.518 | 129 | 77763 | 50.885 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 80264 | 54.710 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.269 | 164 | 62279 | 49.825 | ug/l | | 99 |
| 65) Chlorobenzene | 10.079 | 112 | 206411 | 51.150 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 69756 | 53.786 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 358045 | 51.351 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 272658 | 106.570 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 135601 | 52.382 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 223981 | 53.973 | ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 46268 | 50.932 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.963 | 105 | 341745 | 50.304 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 132925 | 42.337 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 120063 | 50.882 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 97718m | 49.317 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 85185 | 51.708 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 384780 | 51.244 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 240255 | 49.475 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 283162 | 50.261 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 25426 | 38.247 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 268894 | 50.004 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 288730 | 51.857 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 285385 | 51.580 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 342783 | 50.713 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 281058 | 49.959 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 149233 | 51.859 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 150438 | 50.855 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 230593 | 48.745 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 43707 | 53.222 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 151871 | 50.827 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 22785 | 49.742 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 84448 | 51.552 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 33362 | 50.632 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 319471 | 49.962 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 90592 | 52.140 | ug/l | | 97 |

Sample Results: **VX044418.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044418.D
Acq On : 19 Dec 2024 06:51
Operator : JC/MD
Sample : P5317-20MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 07:43:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

Sample Results: **VX044418.D**

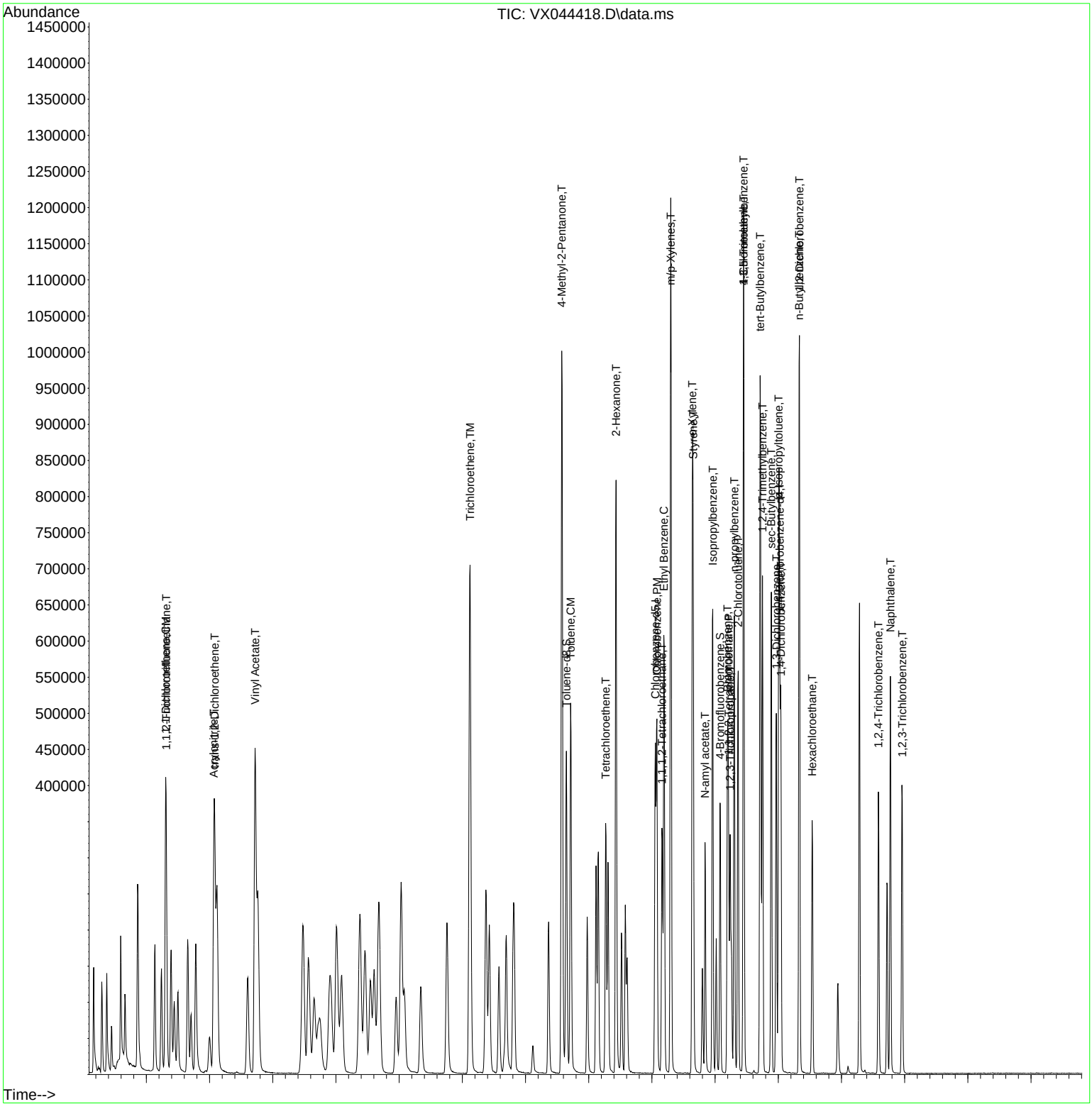
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044418.D
Acq On : 19 Dec 2024 06:51
Operator : JC/MD
Sample : P5317-20MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

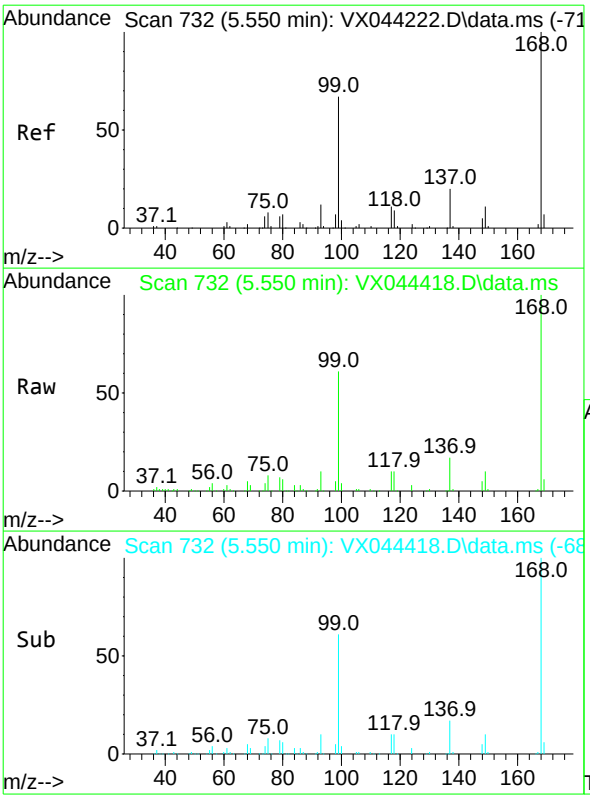
Quant Time: Dec 19 07:43:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

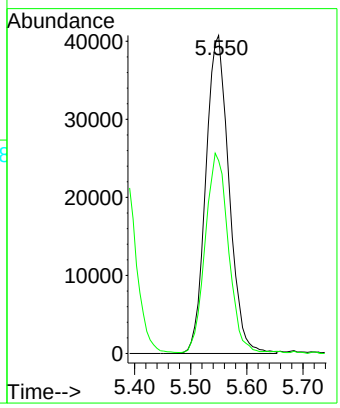
Tgt Ion:168 Resp: 116949

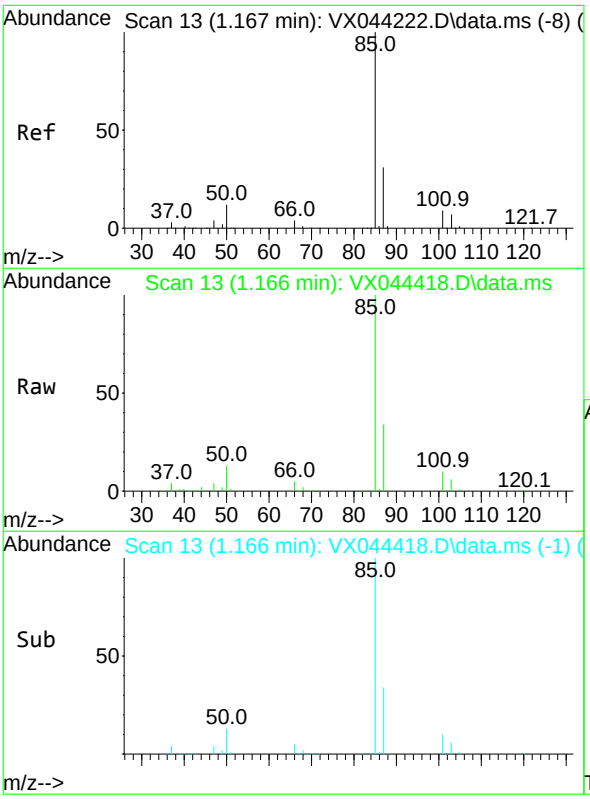
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.3 | 53.4 | 80.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

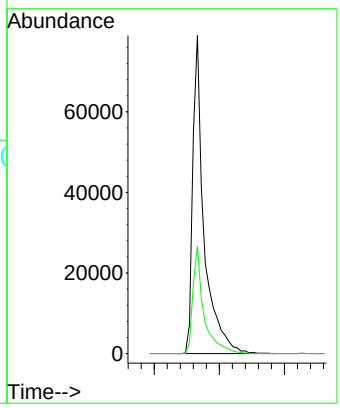


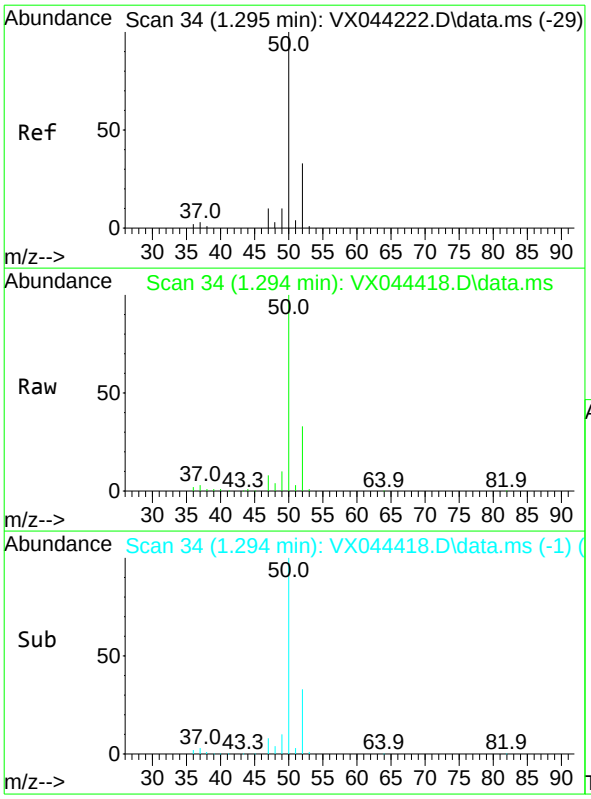




#2
Dichlorodifluoromethane
Concen: 52.485 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 85 Resp: 94910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.7 | 15.4 | 46.4 |

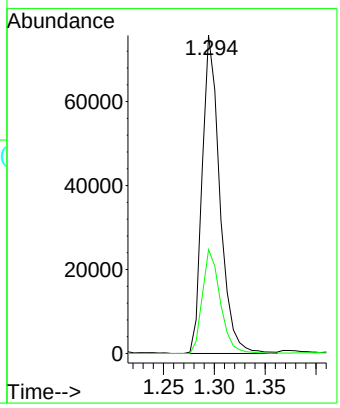





#3
Chloromethane
Concen: 52.828 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 50 Resp: 91353

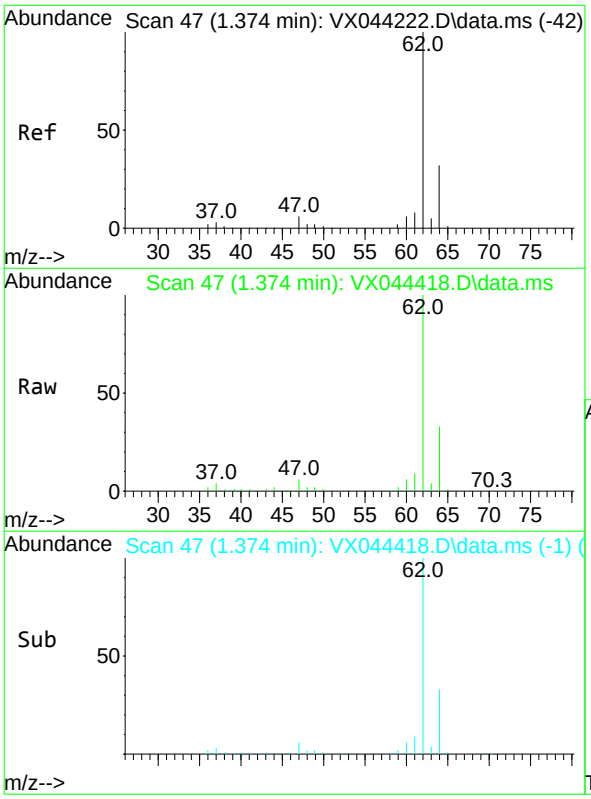
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.7 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

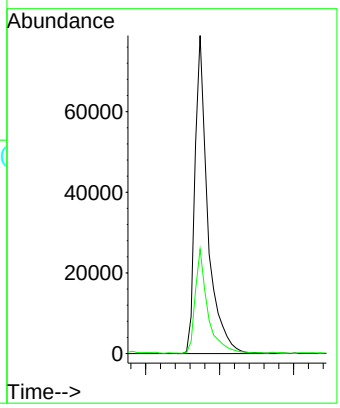
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

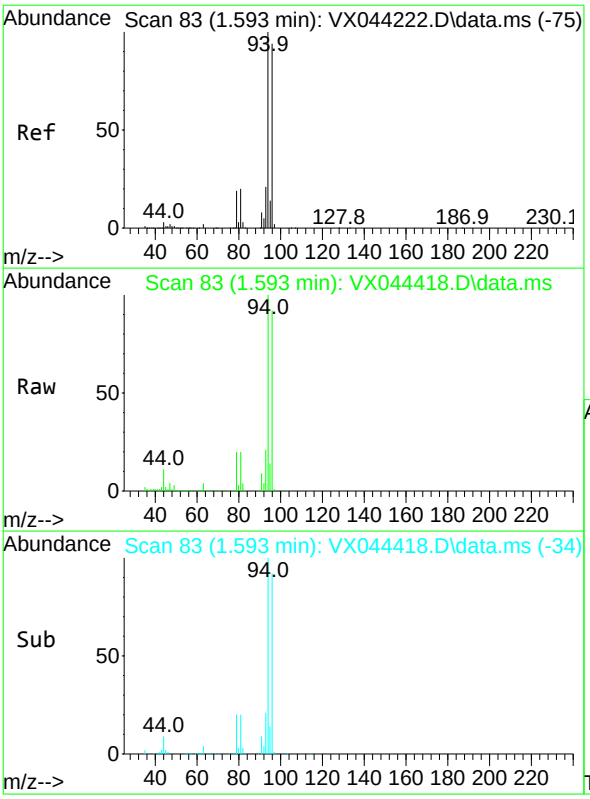



#4
Vinyl Chloride
Concen: 52.690 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 62 Resp: 94923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 25.7 | 38.5 |

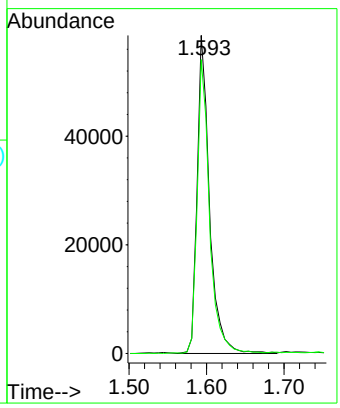





#5
Bromomethane
Concen: 51.087 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 94 Resp: 65294

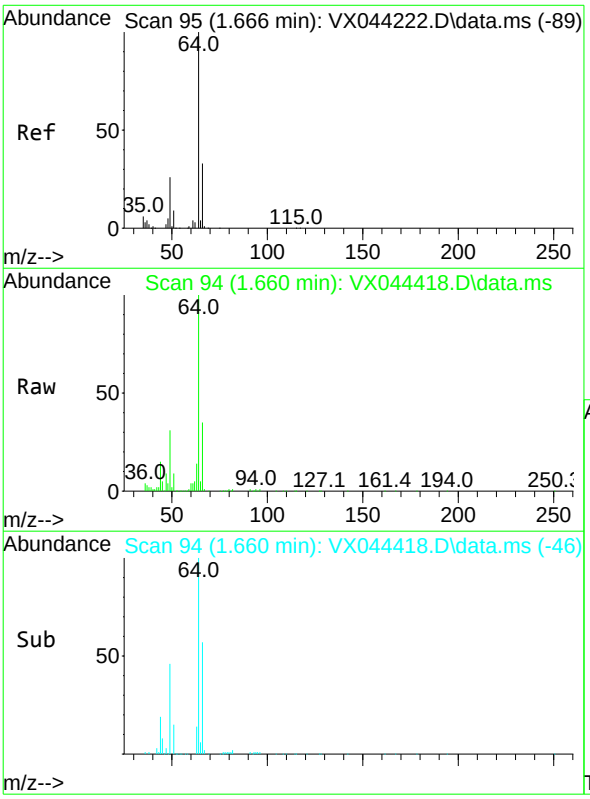
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.2 | 74.9 | 112.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

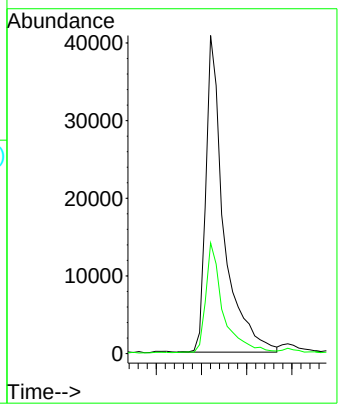
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

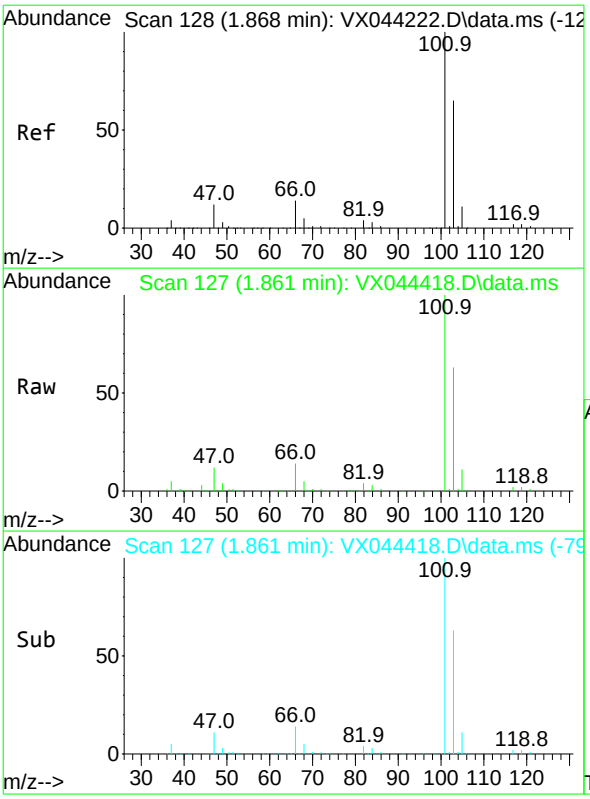



#6
Chloroethane
Concen: 50.041 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 64 Resp: 56136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.6 | 26.6 | 39.8 |

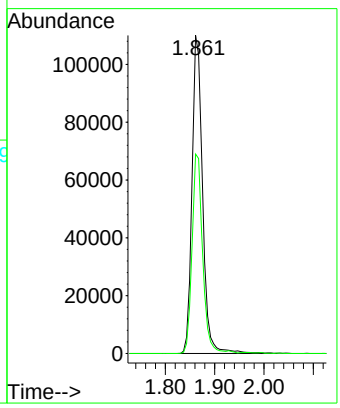





#7
Trichlorofluoromethane
Concen: 46.536 ug/l
RT: 1.861 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:101 Resp: 164127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.7 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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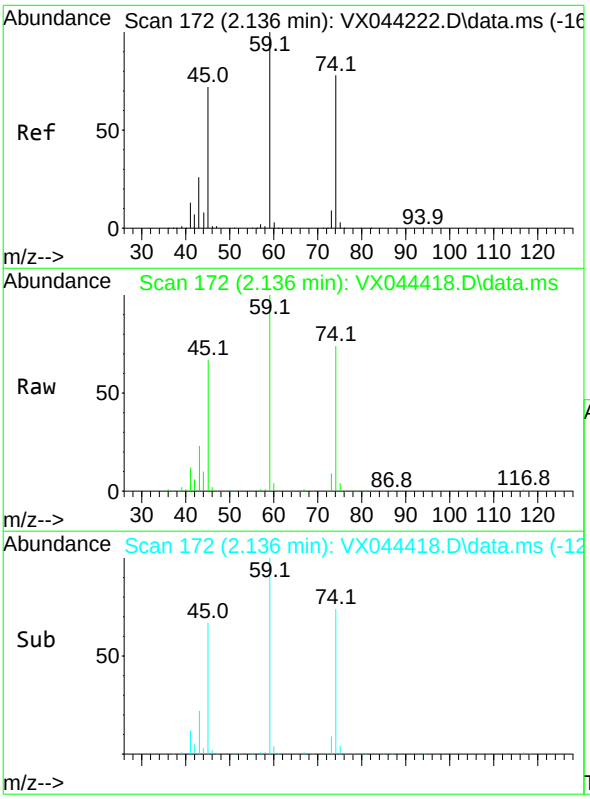
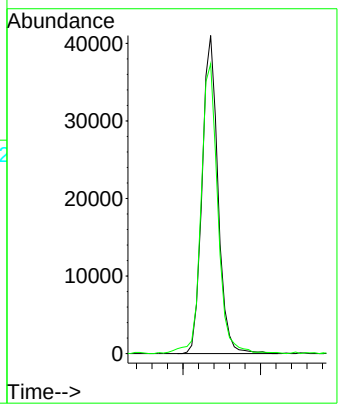
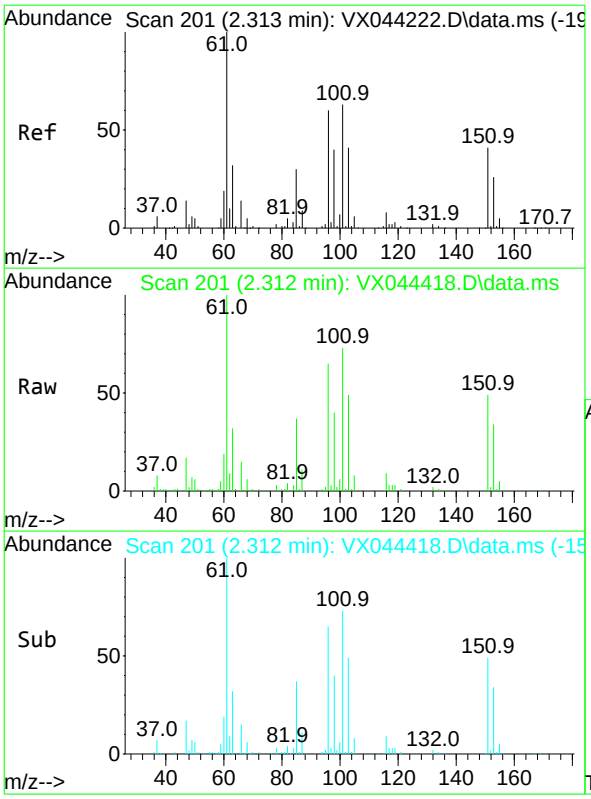



#8
Diethyl Ether
Concen: 48.195 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 74 Resp: 58021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.7 | 48.4 | 145.0 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.547 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:101 Resp: 82128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.9 | 38.5 | 57.7 |
| 151 | 72.9 | 55.8 | 83.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
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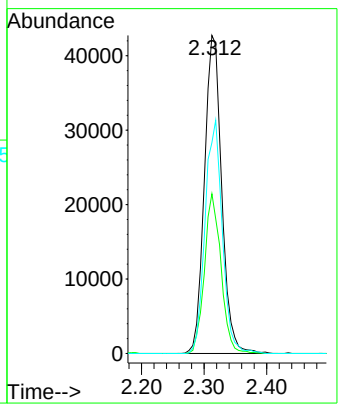
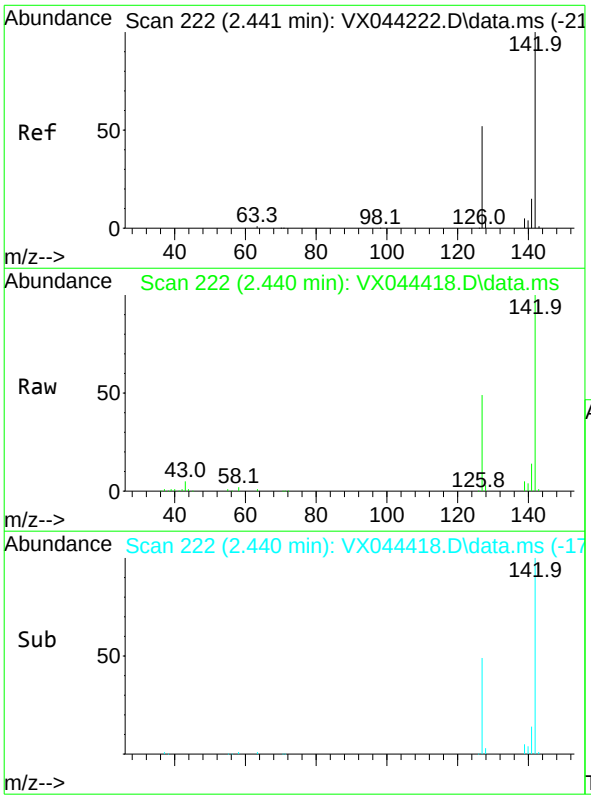
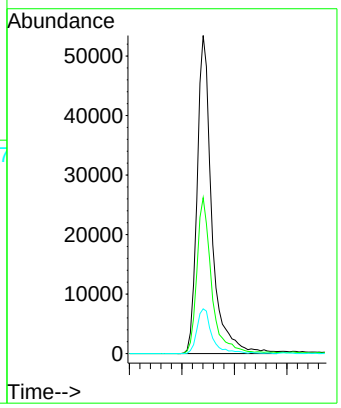


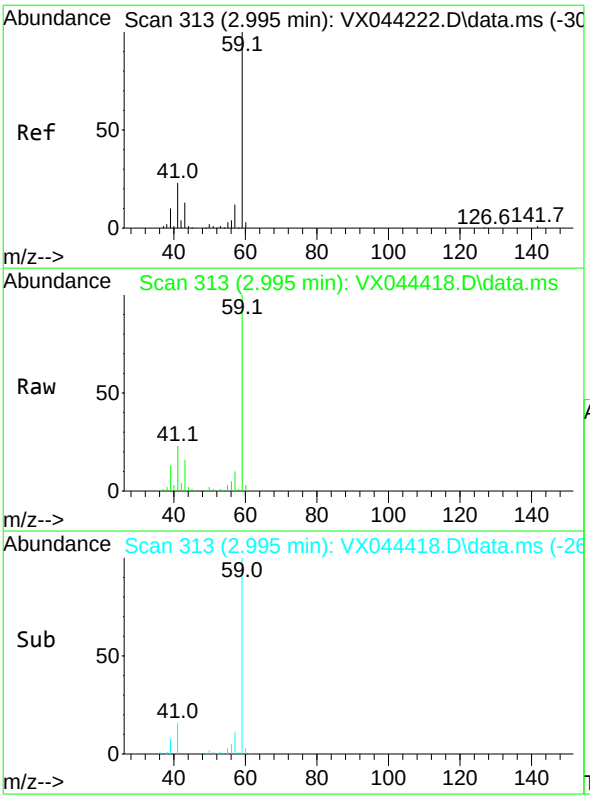




#10
Methyl Iodide
Concen: 55.170 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:142 Resp: 103771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.1 | 41.8 | 62.8 |
| 141 | 14.3 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 236.352 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 59 Resp: 68303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.1 | 8.8 | 13.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
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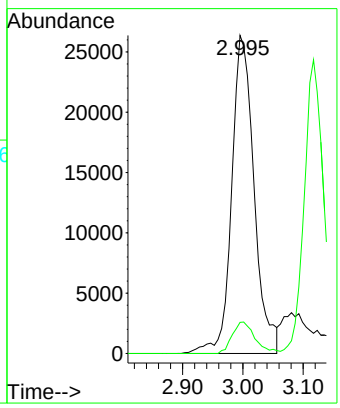
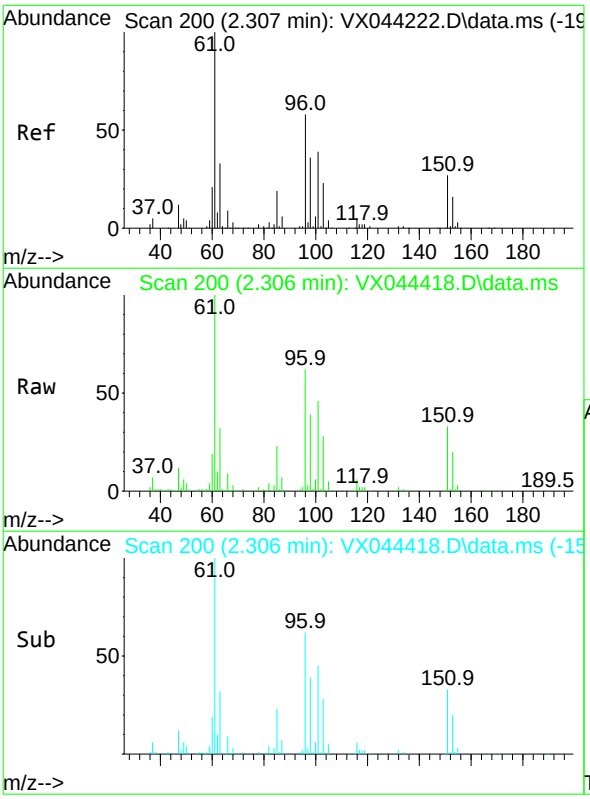
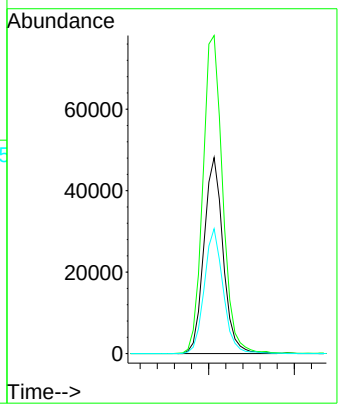


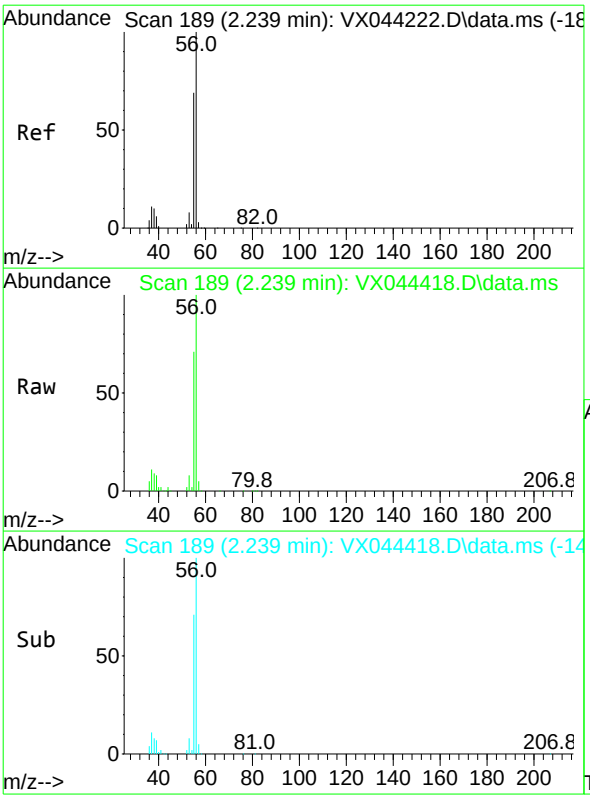




#12
1,1-Dichloroethene
Concen: 57.053 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 96 Resp: 74788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.1 | 138.0 | 207.0 |
| 98 | 63.7 | 50.0 | 75.0 |

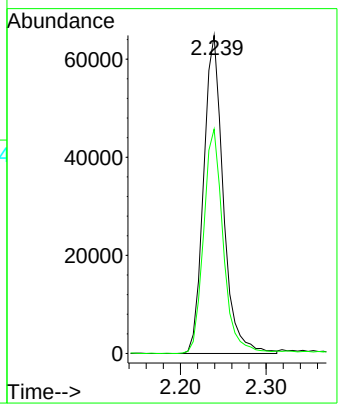





#13
Acrolein
Concen: 246.755 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 56 Resp: 103223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.4 | 56.6 | 84.8 |




**Instrument :**
MSVOA_X
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RE132D5-20241217MSD

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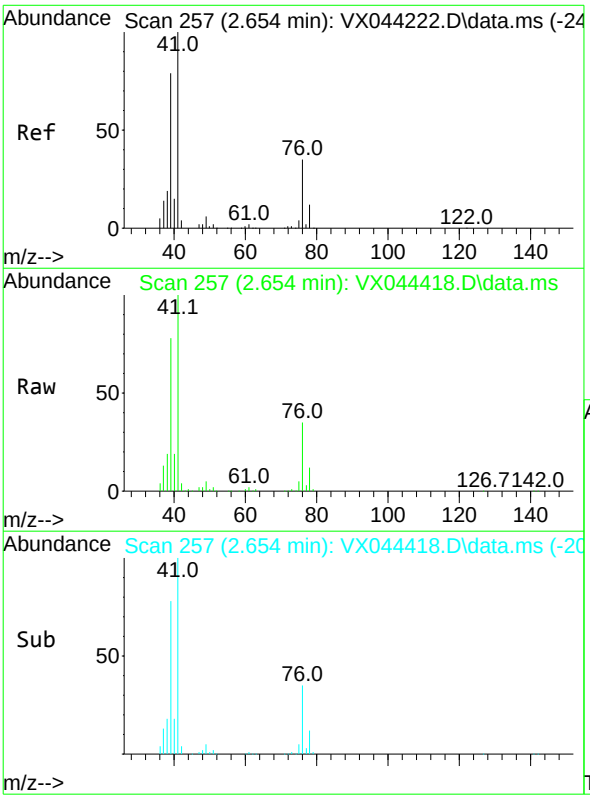
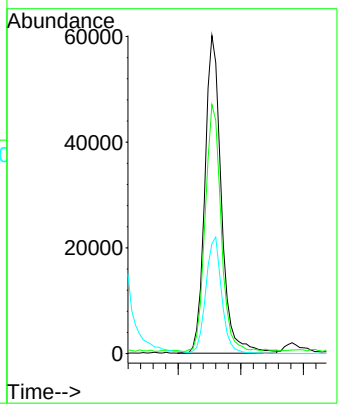
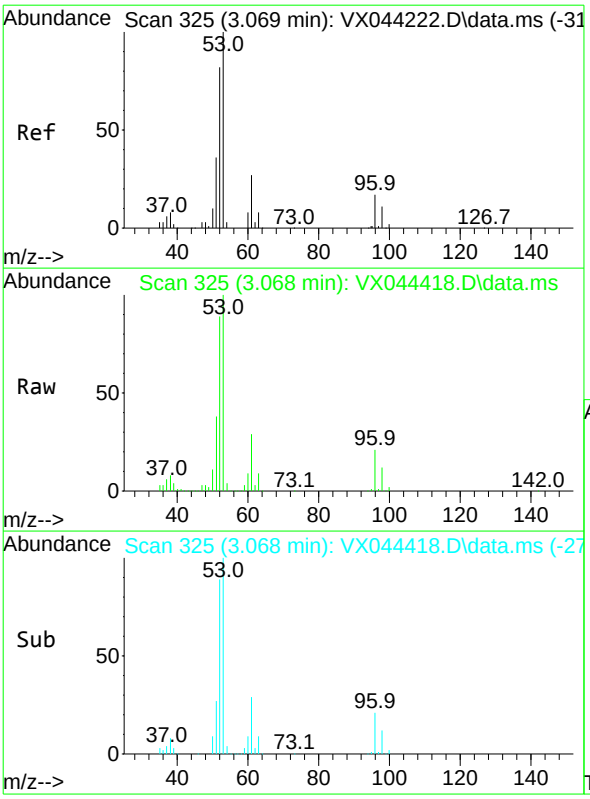



#14
Allyl chloride
Concen: 50.235 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 41 Resp: 109683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.9 | 61.9 | 92.9 |
| 76 | 35.3 | 27.4 | 41.2 |






#15
Acrylonitrile
Concen: 259.773 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 53 Resp: 207951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.0 | 67.4 | 101.0 |
| 51 | 37.9 | 30.3 | 45.5 |

**Instrument :**
MSVOA_X
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RE132D5-20241217MSD

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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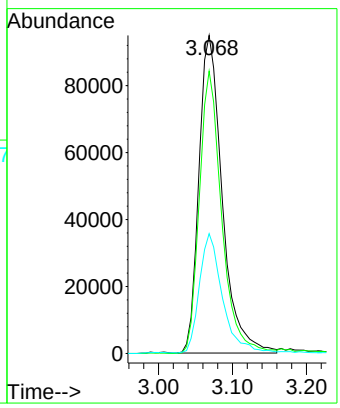
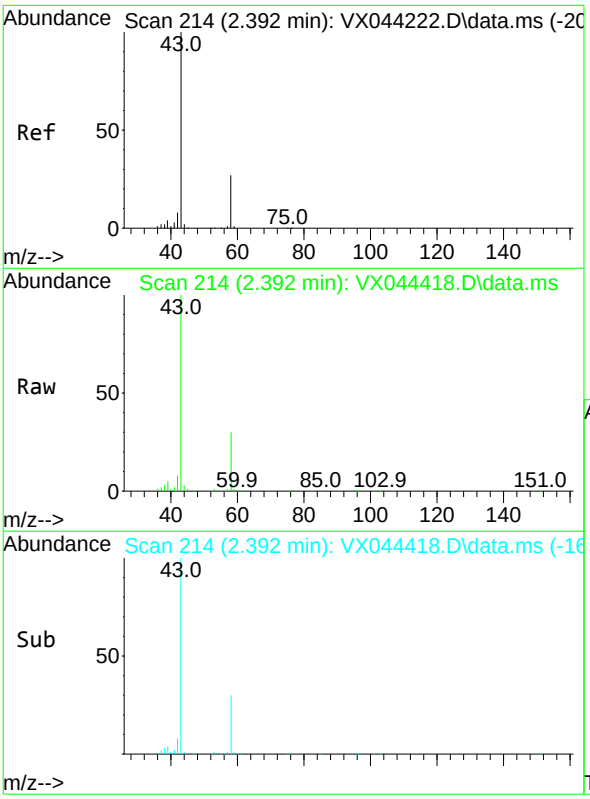
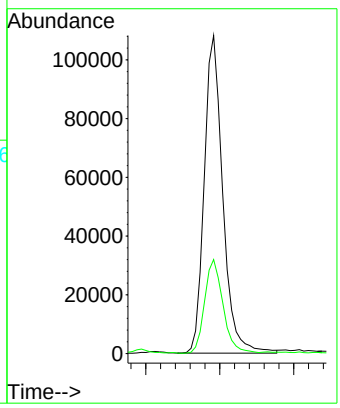


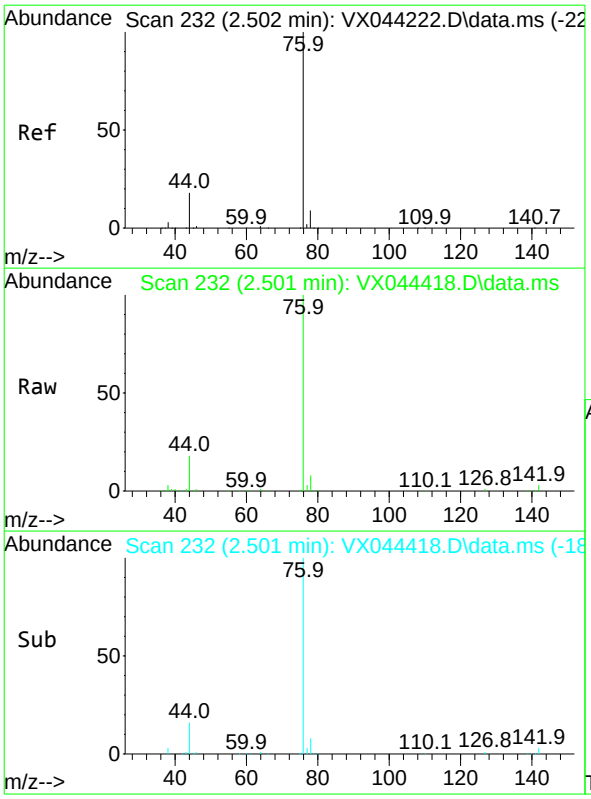




#16
Acetone
Concen: 225.321 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 43 Resp: 188359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.5 | 21.6 | 32.4 |






#17
Carbon Disulfide
Concen: 54.881 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 76 Resp: 136752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.4 | 11.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
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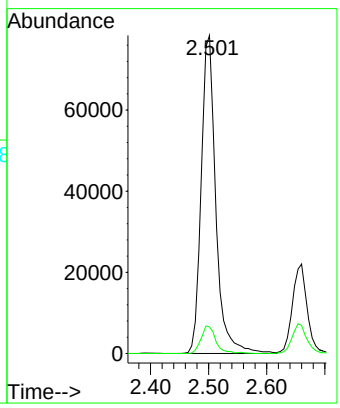
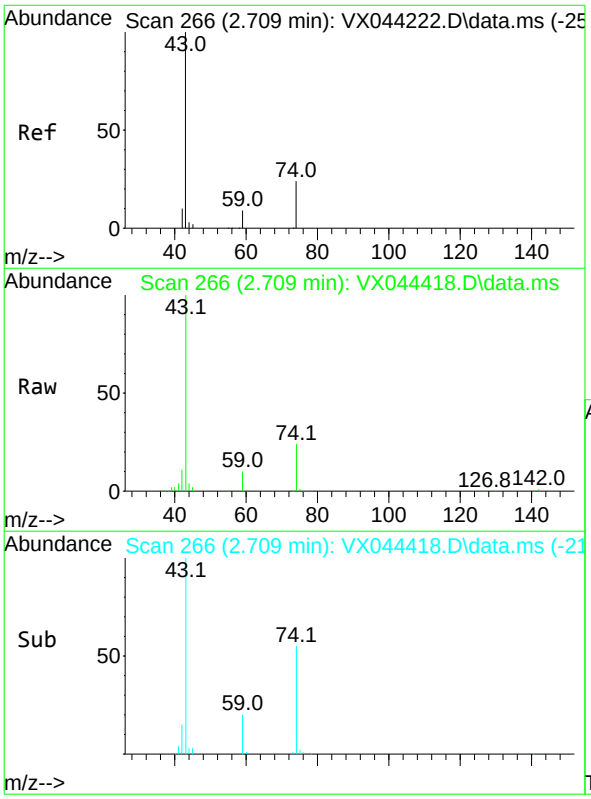
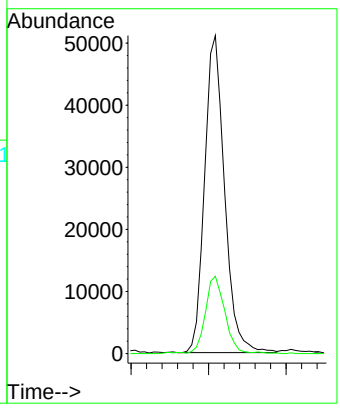


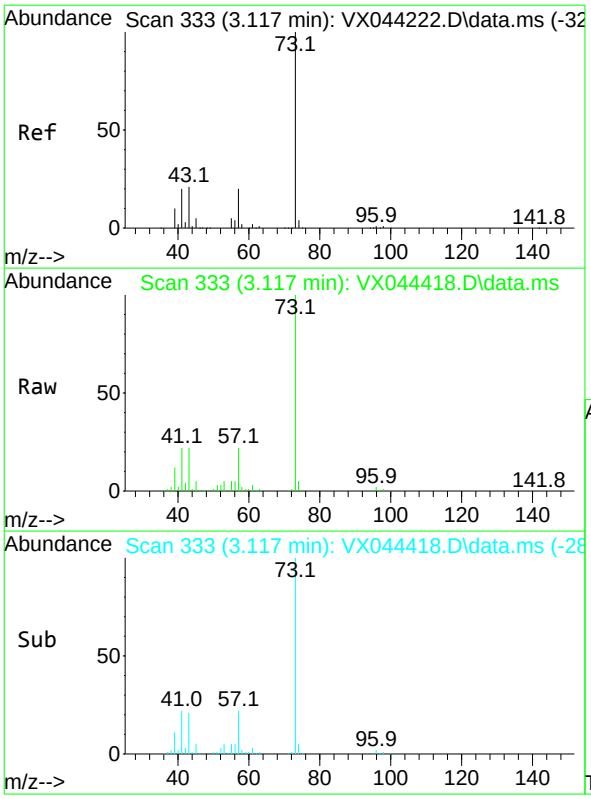




#18
Methyl Acetate
Concen: 42.373 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 43 Resp: 91330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.9 | 17.7 | 26.5 |

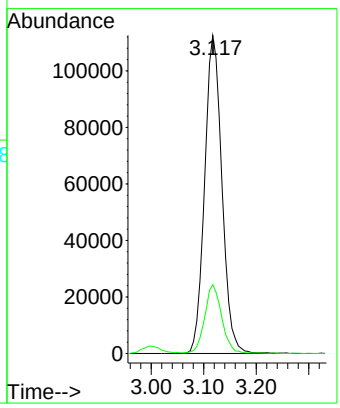





#19
Methyl tert-butyl Ether
Concen: 50.264 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 73 Resp: 257121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 16.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
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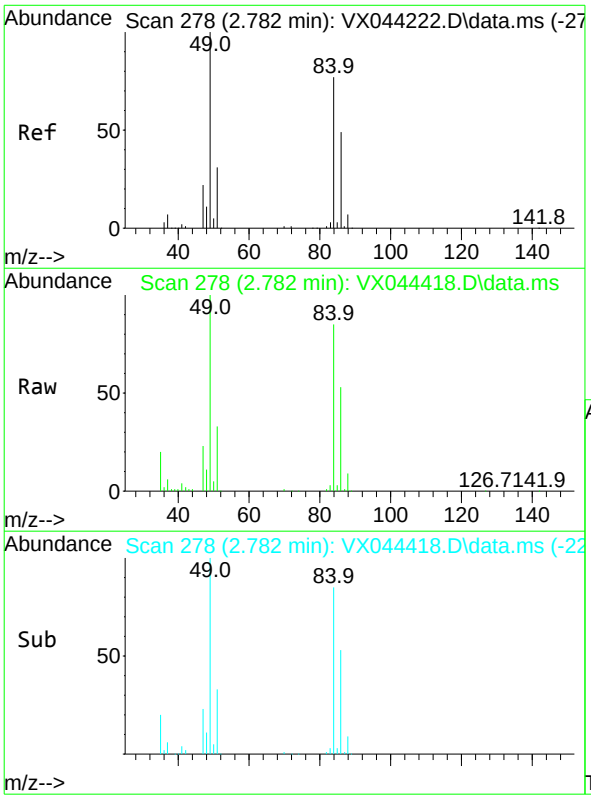
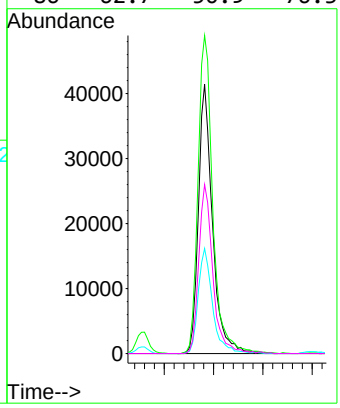
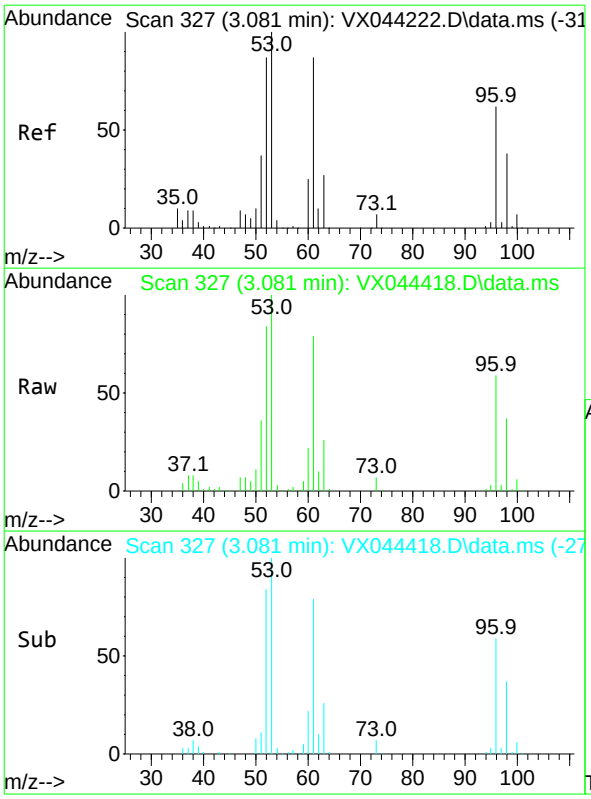



#20
Methylene Chloride
Concen: 52.348 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 84 Resp: 82193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 118.1 | 104.2 | 156.4 |
| 51 | 39.0 | 32.2 | 48.4 |
| 86 | 62.7 | 50.9 | 76.3 |

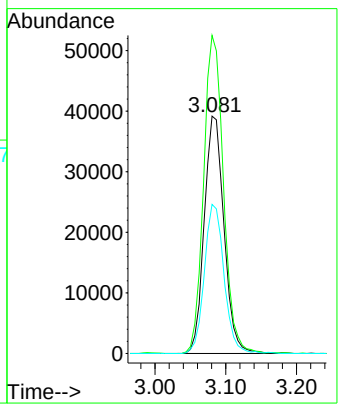





#21
trans-1,2-Dichloroethene
Concen: 54.489 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 96 Resp: 75912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.0 | 112.0 | 168.0 |
| 98 | 62.8 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

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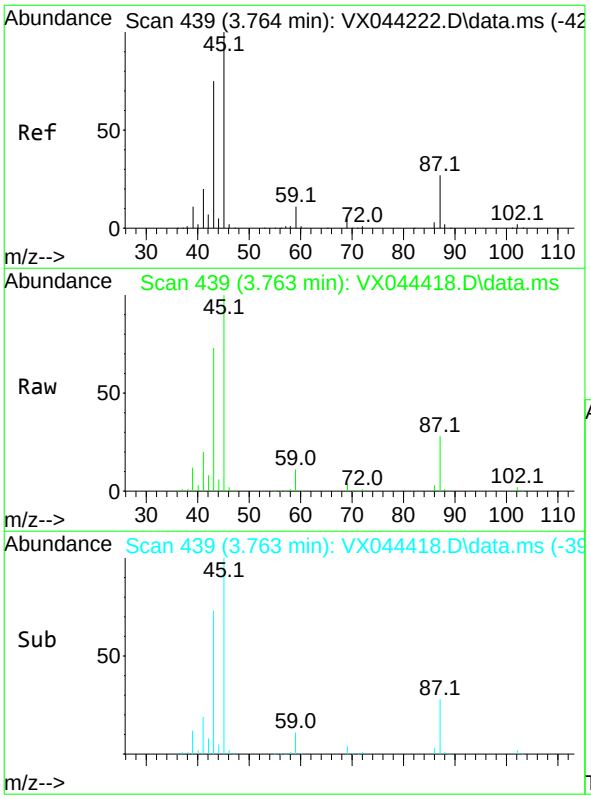
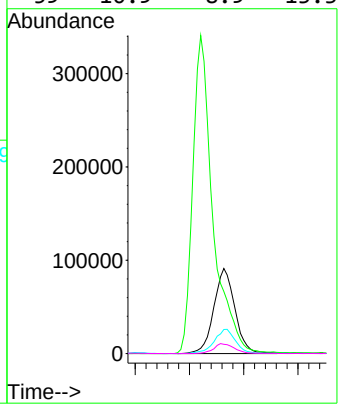
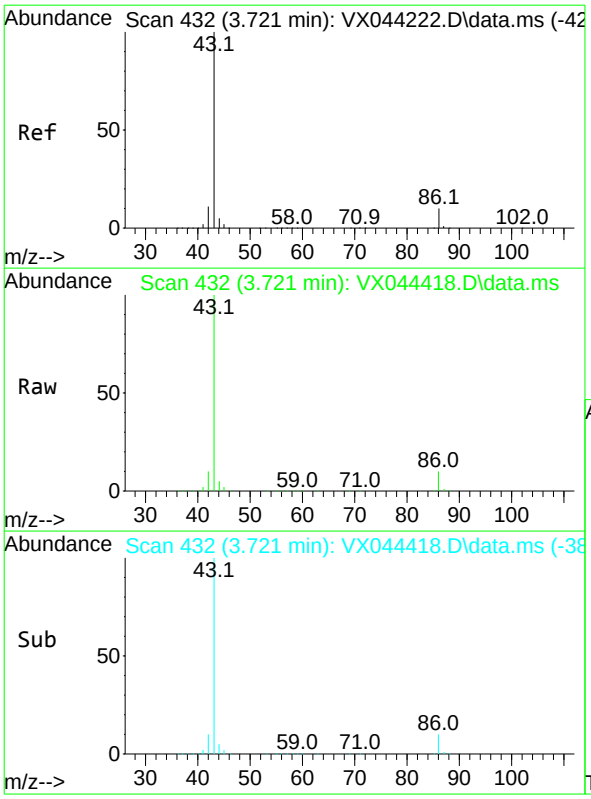



#22
Diisopropyl ether
Concen: 50.057 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 45 Resp: 246112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 71.9 | 60.2 | 90.2 |
| 87 | 28.3 | 21.2 | 31.8 |
| 59 | 10.9 | 8.9 | 13.3 |






#23
Vinyl Acetate
Concen: 220.784 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

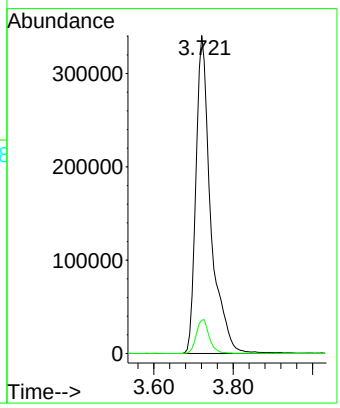
Tgt Ion: 43 Resp: 882527

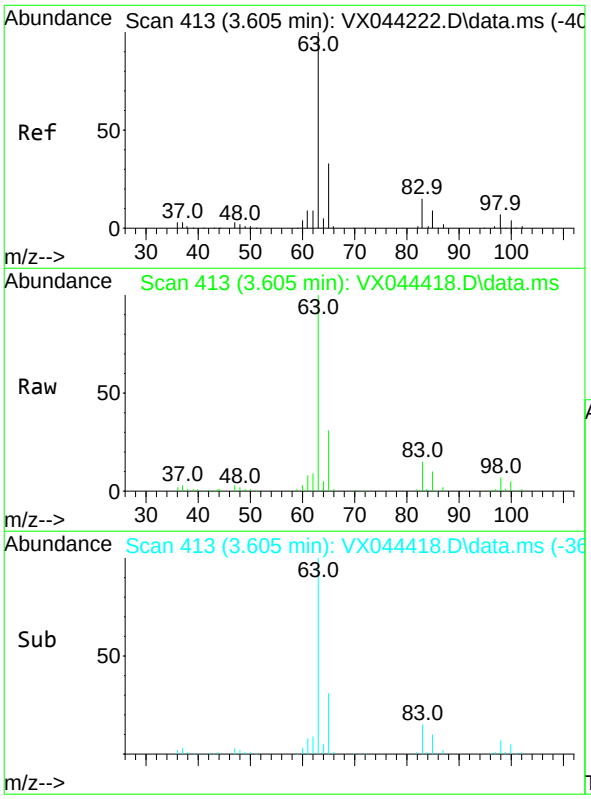
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

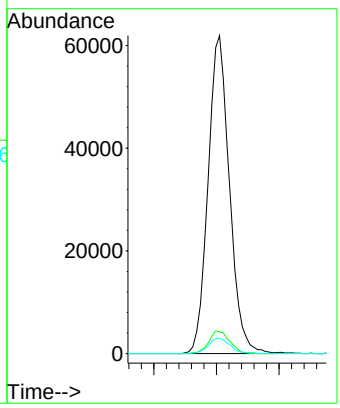


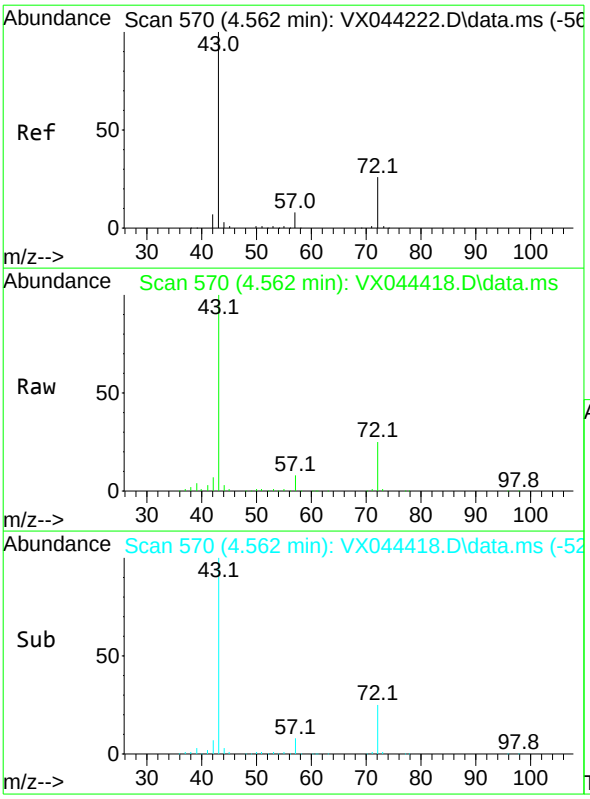




#24
1,1-Dichloroethane
Concen: 53.598 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 63 Resp: 146892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |






#25
2-Butanone
Concen: 248.629 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

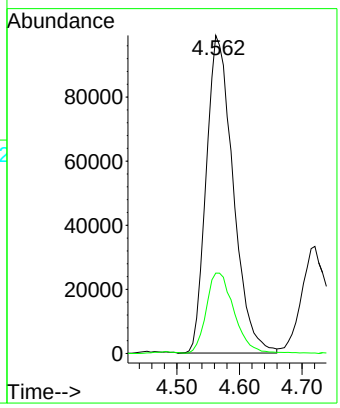
Tgt Ion: 43 Resp: 295478

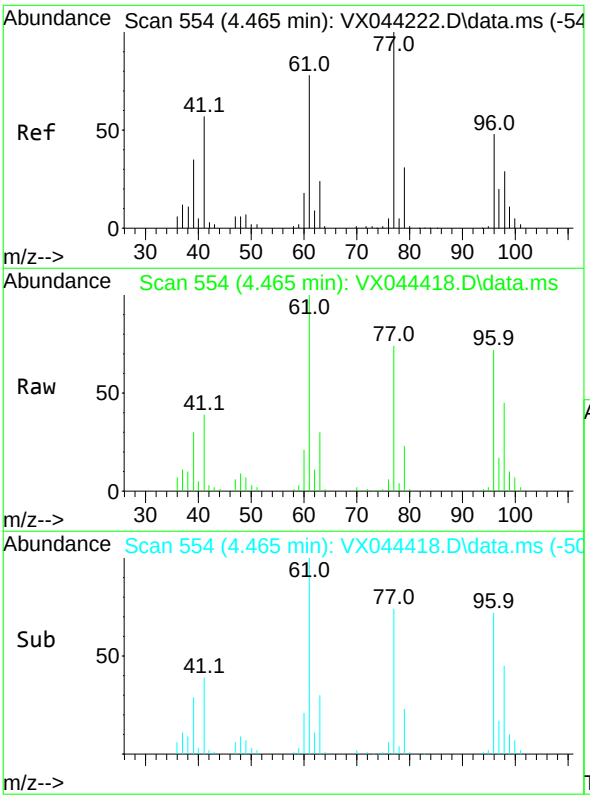
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.0 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

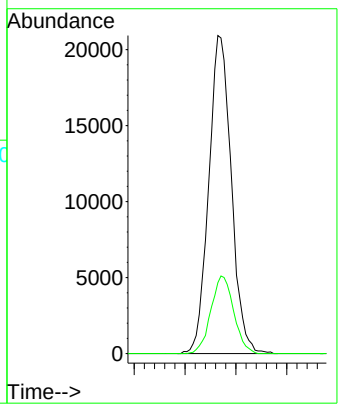


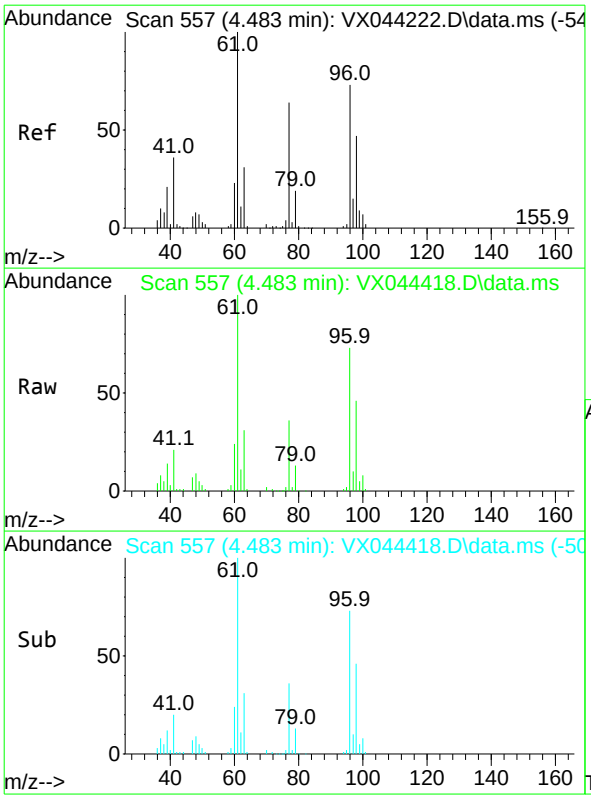




#26
2,2-Dichloropropane
Concen: 28.925 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 77 Resp: 64400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 24.7 | 10.7 | 32.1 |

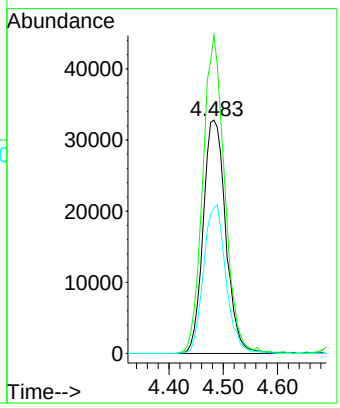





#27
cis-1,2-Dichloroethene
Concen: 53.571 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 96 Resp: 94786

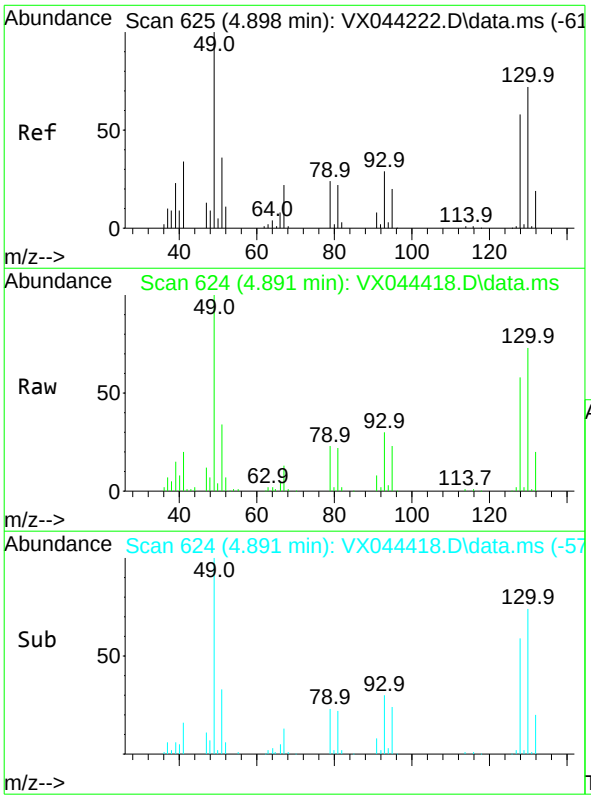
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 132.4 | 0.0 | 299.0 |
| 98 | 63.2 | 0.0 | 129.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

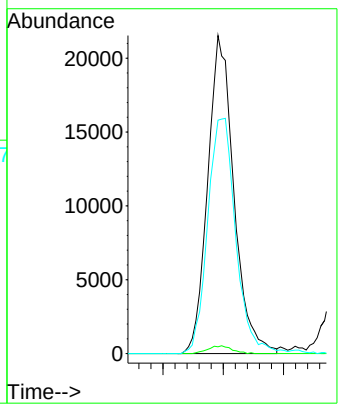
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

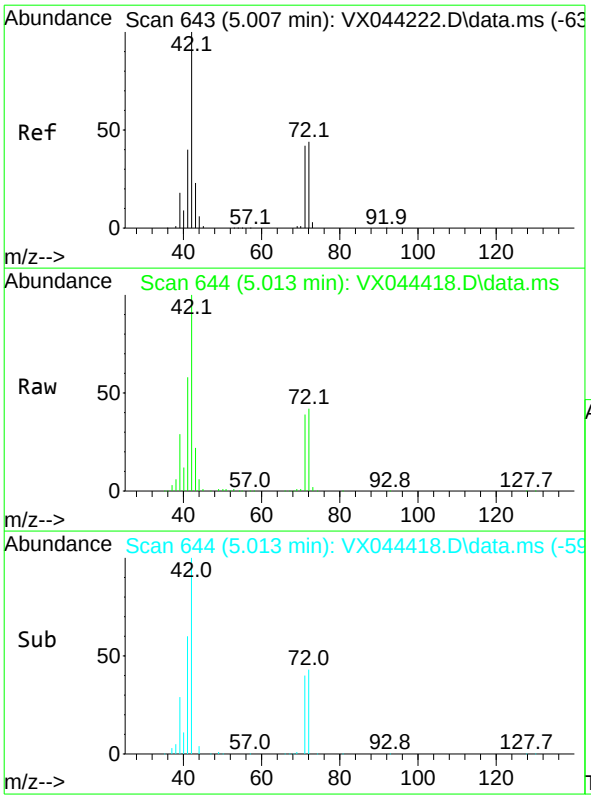



#28
Bromochloromethane
Concen: 48.286 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 49 Resp: 64892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.2 |
| 130 | 79.3 | 62.1 | 93.1 |

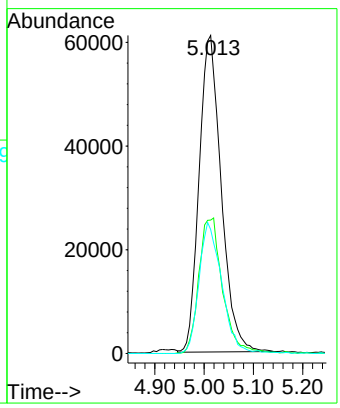





#29
Tetrahydrofuran
Concen: 249.164 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 42 Resp: 190066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.9 | 37.0 | 55.6 |
| 71 | 42.8 | 33.6 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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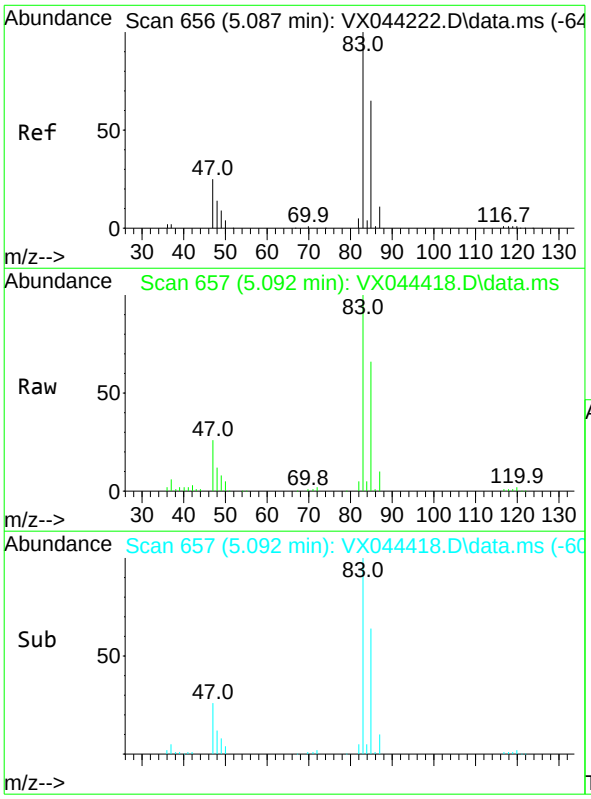
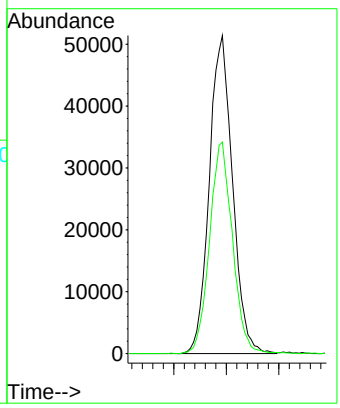
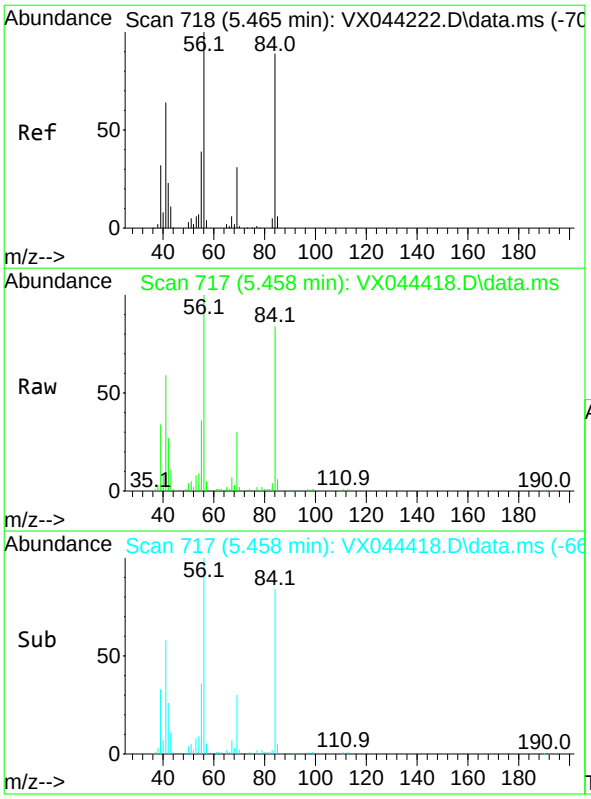



#30
Chloroform
Concen: 51.341 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 83 Resp: 158091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.5 | 51.6 | 77.4 |






#31
Cyclohexane
Concen: 51.830 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

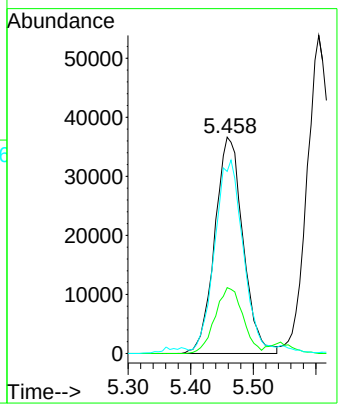
**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

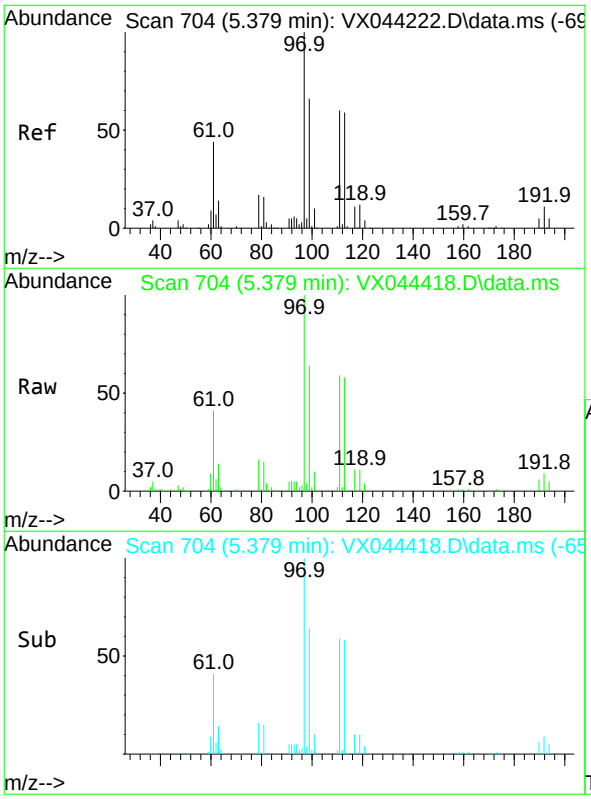
Tgt Ion: 56 Resp: 114705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.4 | 24.7 | 37.1 |
| 84 | 82.3 | 71.0 | 106.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

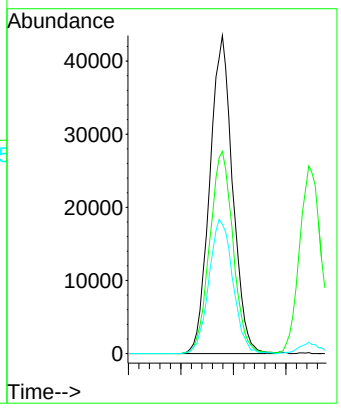


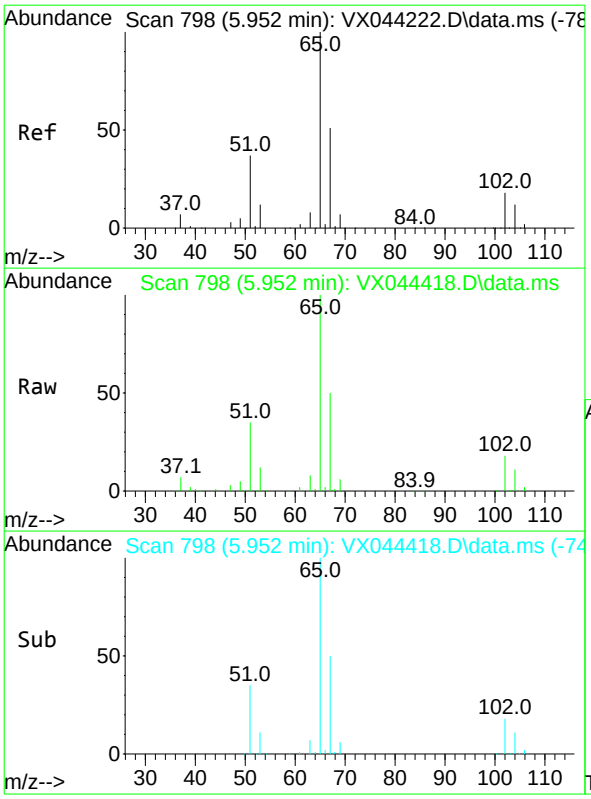




#32
1,1,1-Trichloroethane
Concen: 51.524 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 97 Resp: 131697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.9 | 50.8 | 76.2 |
| 61 | 44.2 | 35.2 | 52.8 |

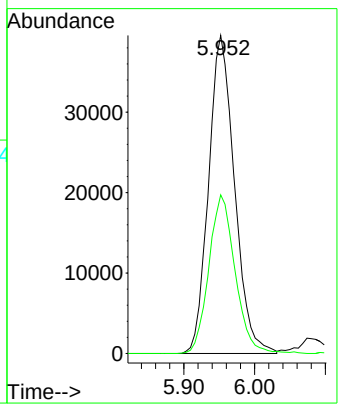





#33
1,2-Dichloroethane-d4
Concen: 49.102 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 65 Resp: 100683

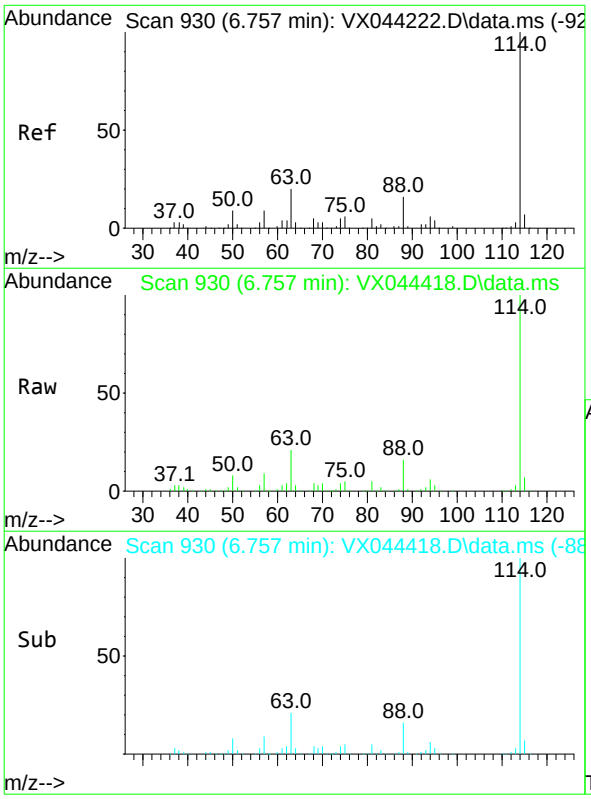
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 101.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

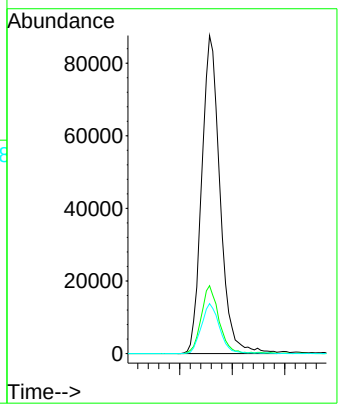
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

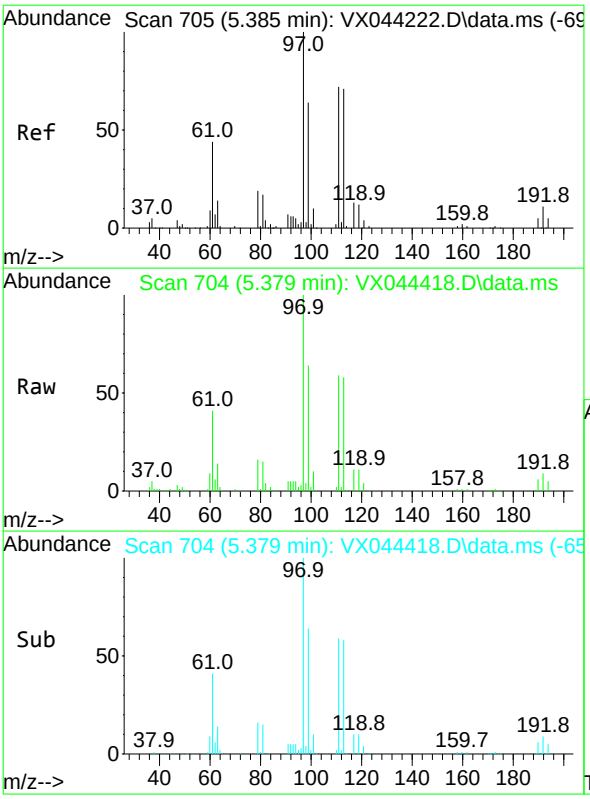



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:114 Resp: 212543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 40.6 |
| 88 | 15.7 | 0.0 | 31.8 |

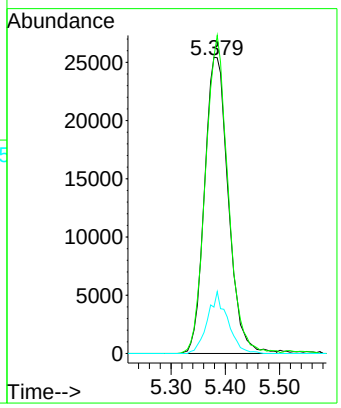





#35
Dibromofluoromethane
Concen: 52.606 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:113 Resp: 77439

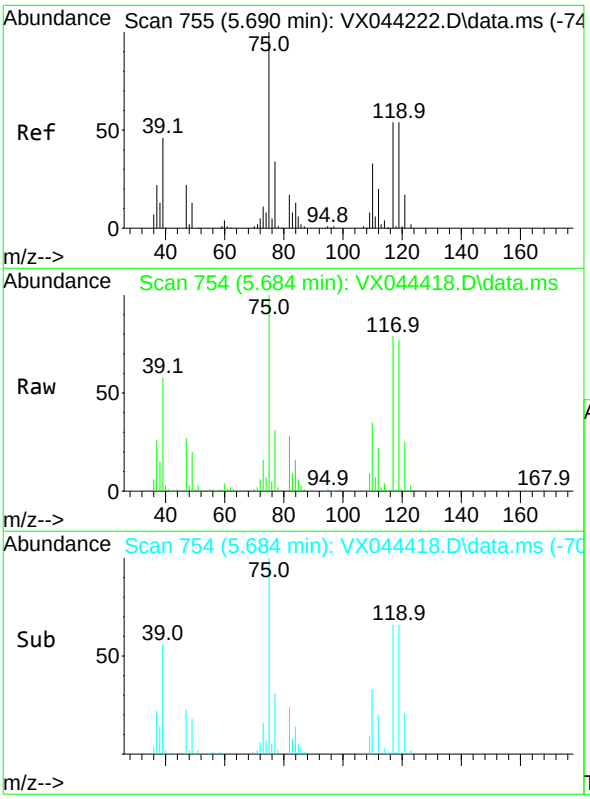
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 80.4 | 120.6 |
| 192 | 17.8 | 13.3 | 19.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

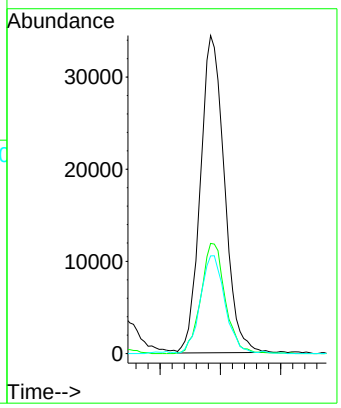
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

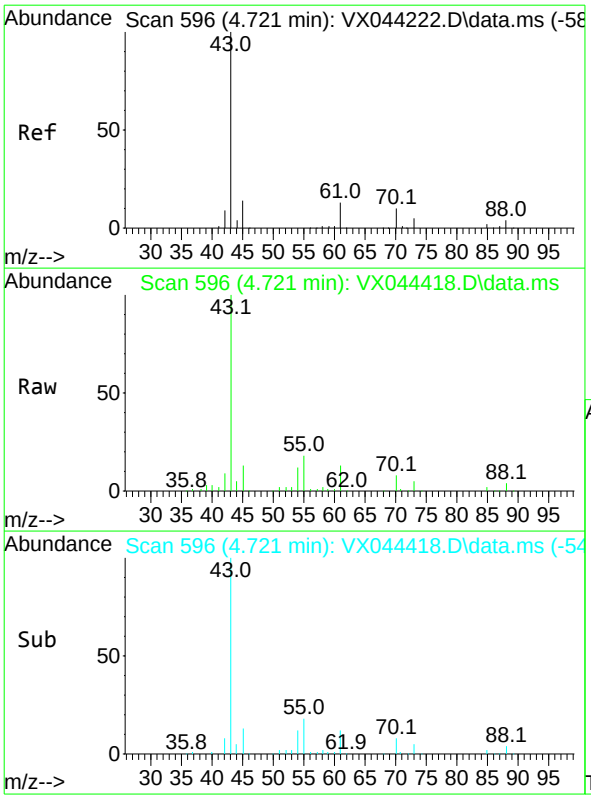



#36
1,1-Dichloropropene
Concen: 50.092 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 75 Resp: 95317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.1 | 17.3 | 51.7 |
| 77 | 31.2 | 25.4 | 38.0 |






#37
Ethyl Acetate
Concen: 41.733 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 43 Resp: 98162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 9.8 | 14.8 |
| 70 | 9.8 | 7.7 | 11.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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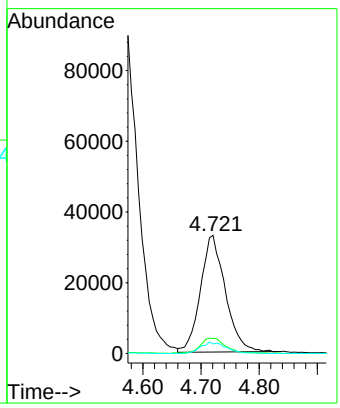
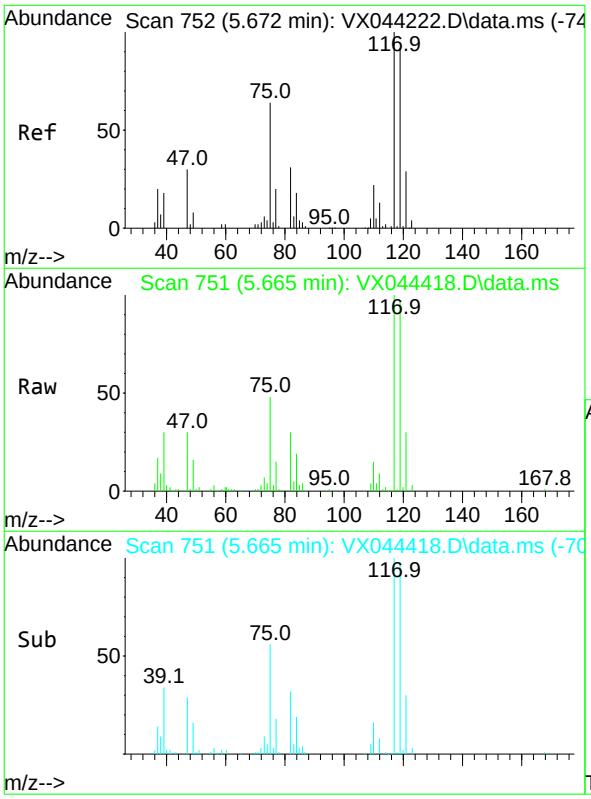
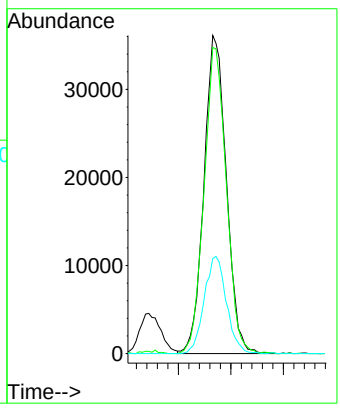


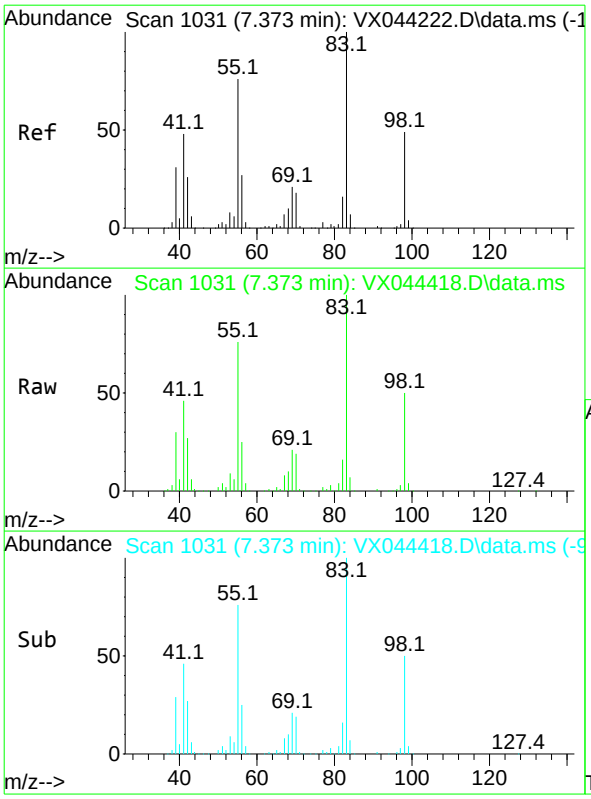




#38
Carbon Tetrachloride
Concen: 52.253 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:117 Resp: 107044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.2 | 74.2 | 111.4 |
| 121 | 29.9 | 23.0 | 34.6 |






#39
Methylcyclohexane
Concen: 49.208 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

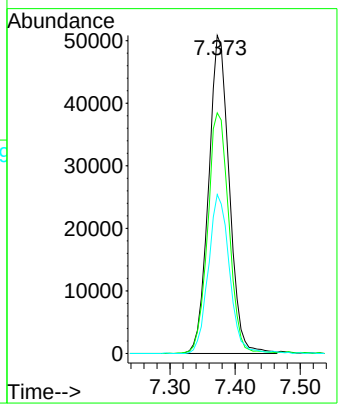
Tgt Ion: 83 Resp: 111938

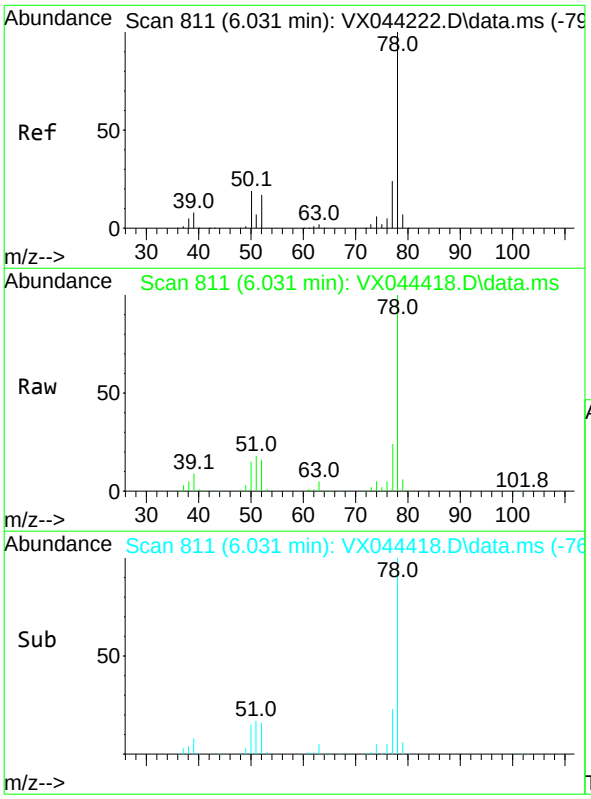
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.5 | 60.7 | 91.1 |
| 98 | 50.0 | 38.9 | 58.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

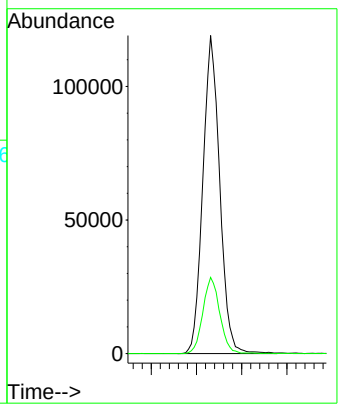


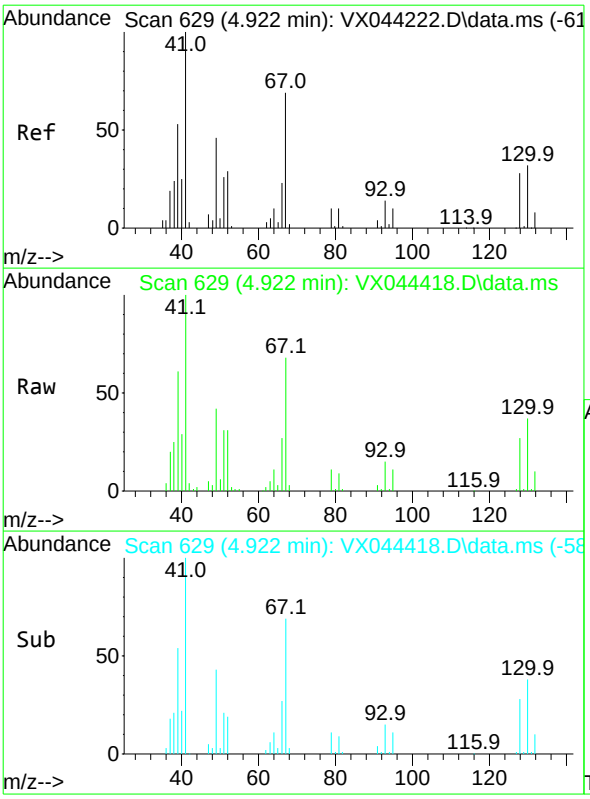




#40
Benzene
Concen: 53.397 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 78 Resp: 308489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.3 | 28.9 |






#41
Methacrylonitrile
Concen: 48.914 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

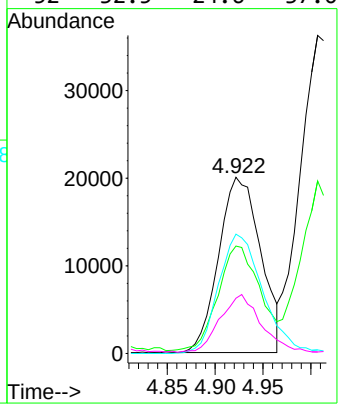
**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

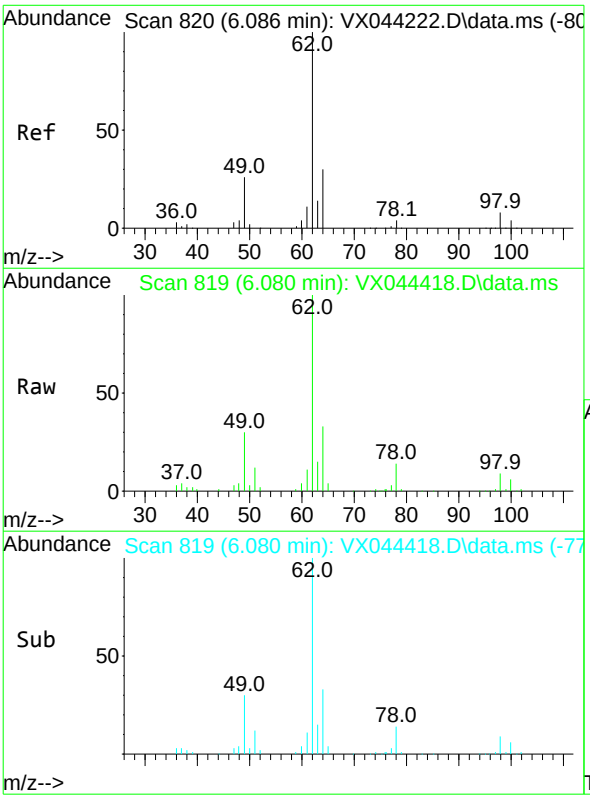
Tgt Ion: 41 Resp: 61093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.0 | 44.2 | 66.4 |
| 67 | 73.0 | 57.2 | 85.8 |
| 52 | 32.5 | 24.6 | 37.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

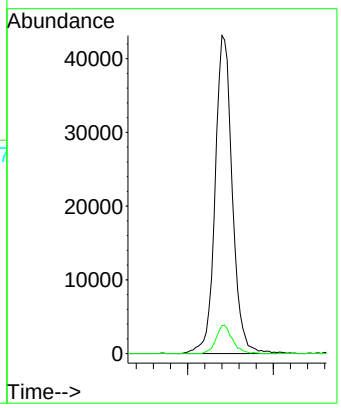


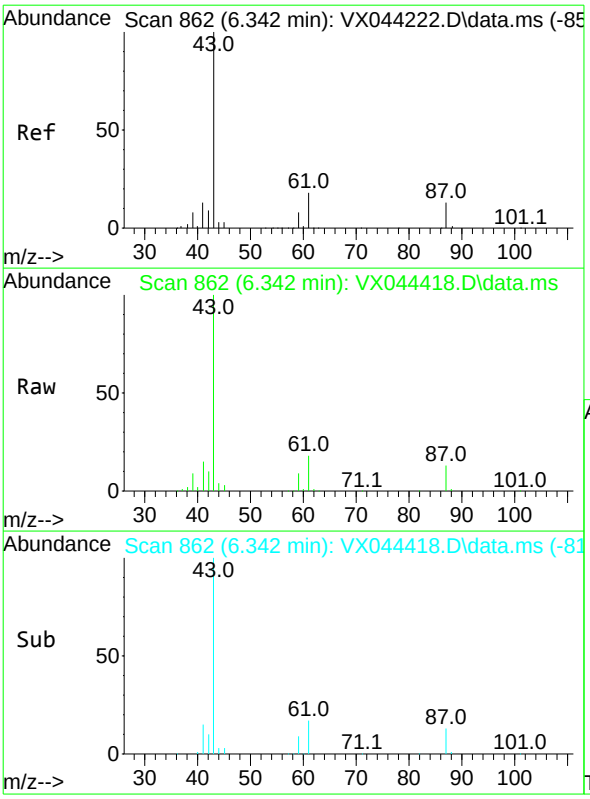




#42
1,2-Dichloroethane
Concen: 50.501 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 62 Resp: 120186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.4 | 0.0 | 15.8 |






#43
Isopropyl Acetate
Concen: 45.950 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

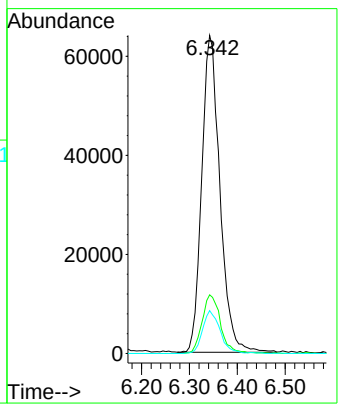
Tgt Ion: 43 Resp: 168928

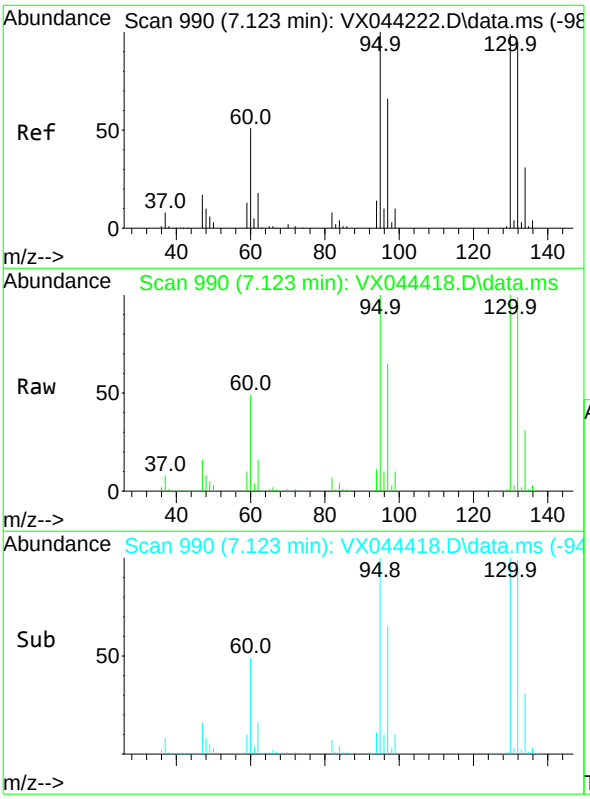
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.8 | 14.2 | 21.2 |
| 87 | 13.0 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

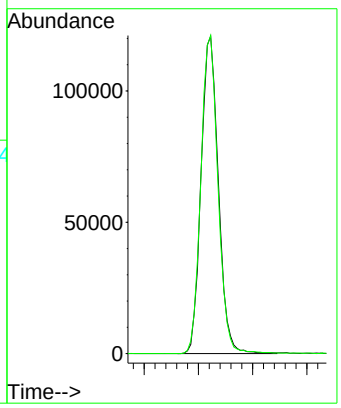


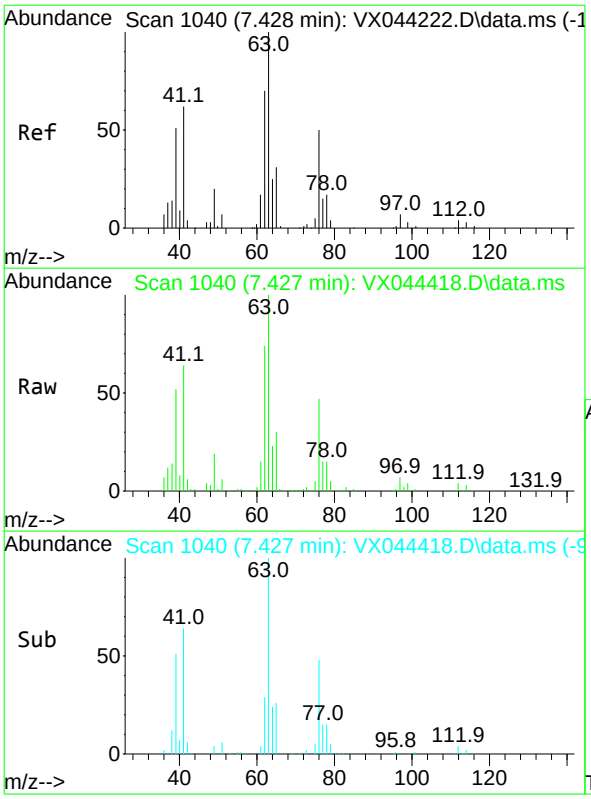




#44
Trichloroethene
Concen: 185.797 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:130 Resp: 267679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.2 | 0.0 | 201.4 |






#45
1,2-Dichloropropane
Concen: 51.732 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

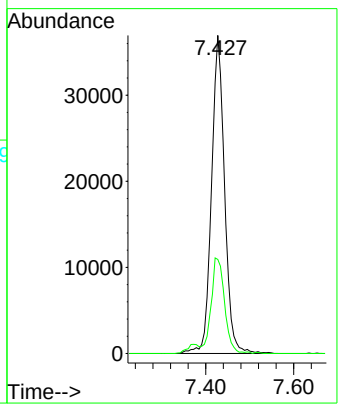
Tgt Ion: 63 Resp: 76356

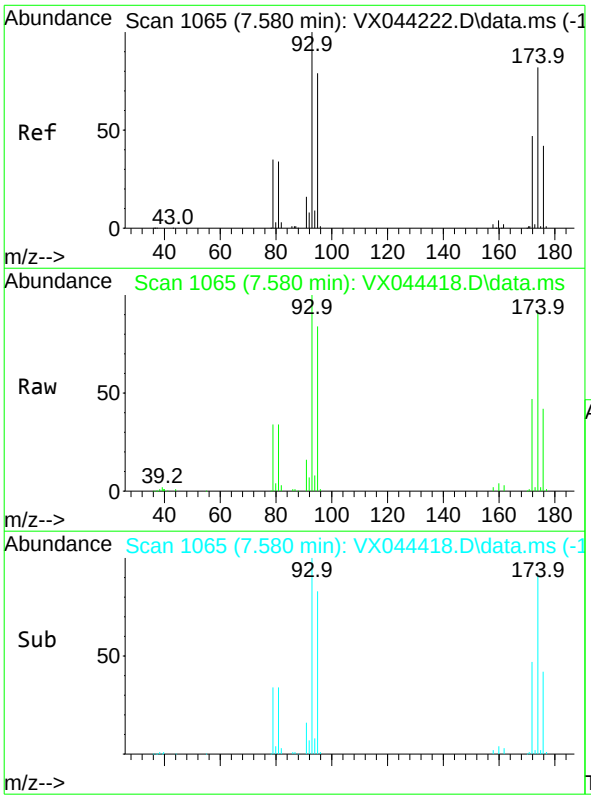
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.6 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

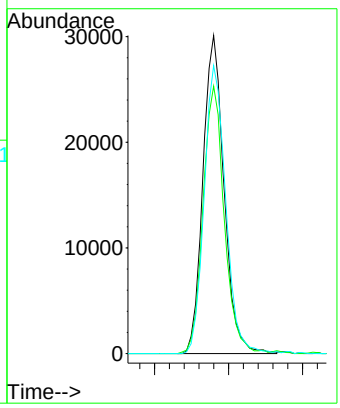


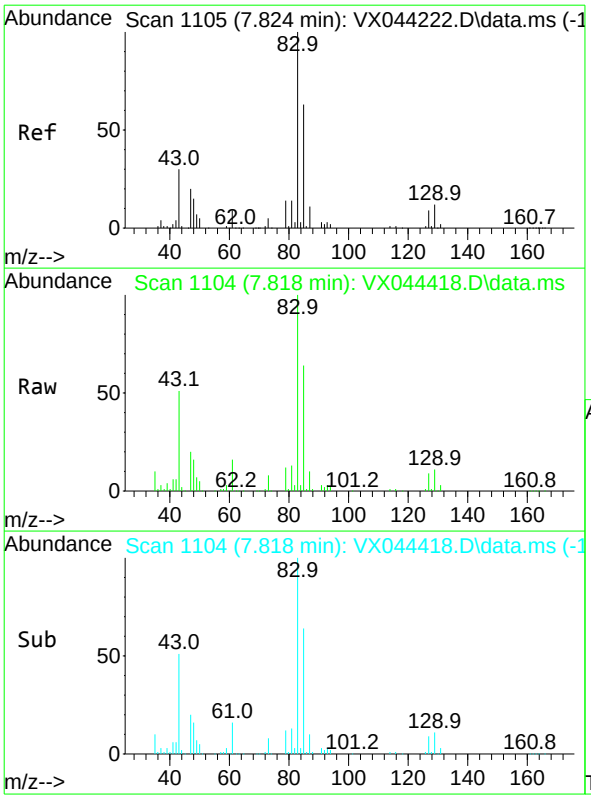




#46
Dibromomethane
Concen: 52.060 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 93 Resp: 59613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.5 | 65.4 | 98.2 |
| 174 | 92.4 | 67.9 | 101.9 |






#47
Bromodichloromethane
Concen: 53.860 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

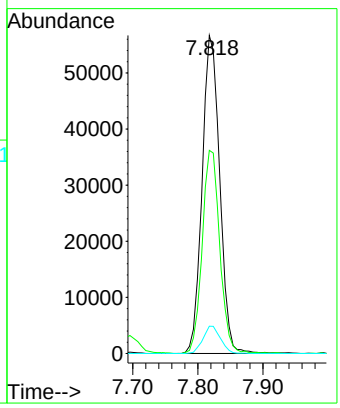
Tgt Ion: 83 Resp: 106514

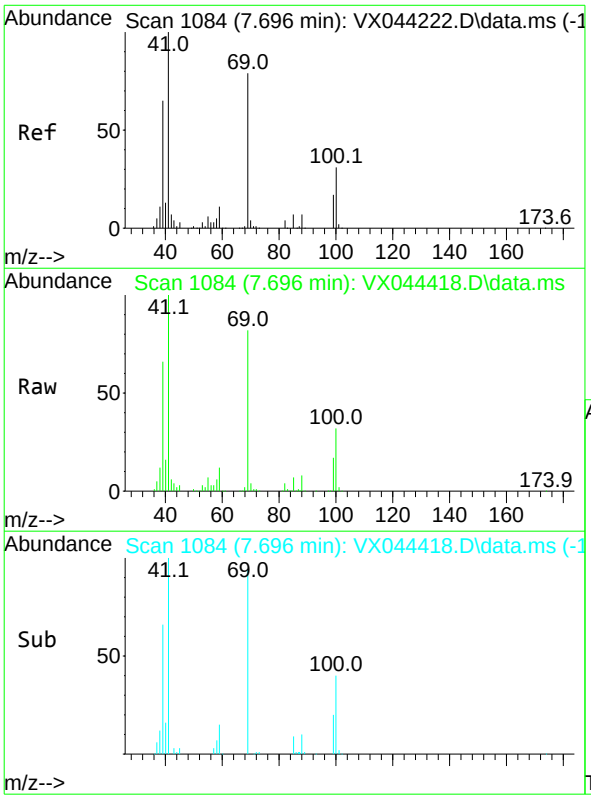
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 50.6 | 75.8 |
| 127 | 8.6 | 7.3 | 10.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

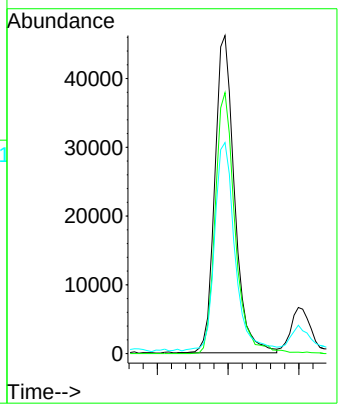


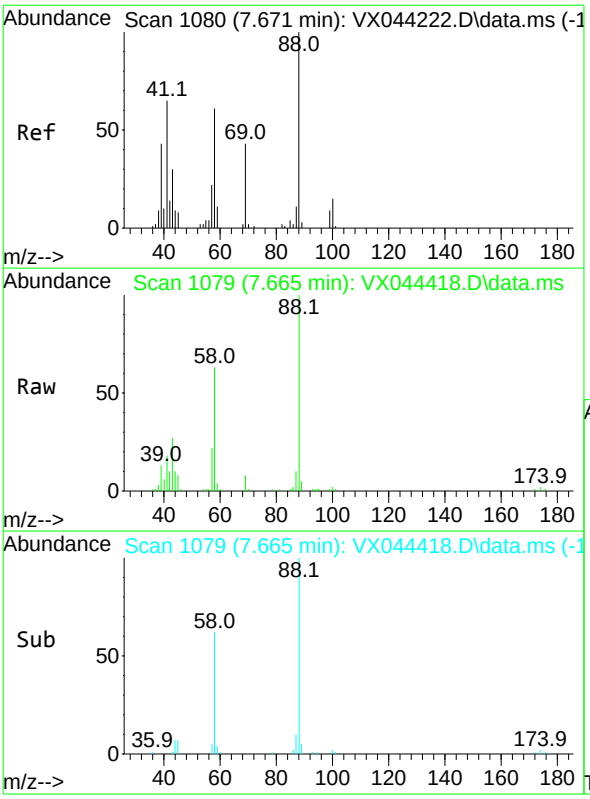




#48
Methyl methacrylate
Concen: 49.967 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 41 Resp: 89170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.9 | 62.4 | 93.6 |
| 39 | 67.2 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 1236.819 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

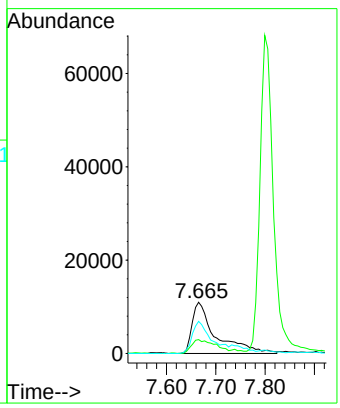
Tgt Ion: 88 Resp: 36595

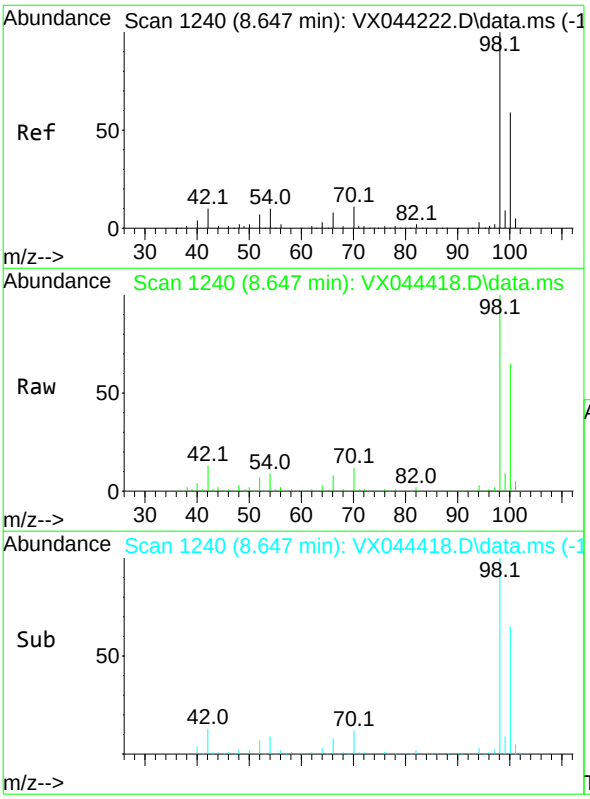
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 28.3 | 27.1 | 40.7 |
| 58 | 50.2 | 41.0 | 61.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

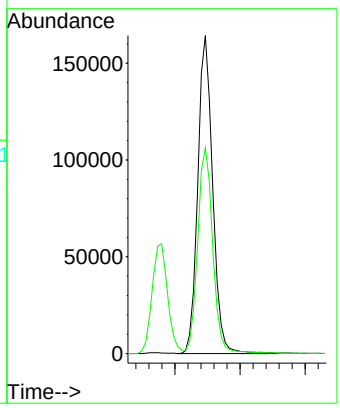


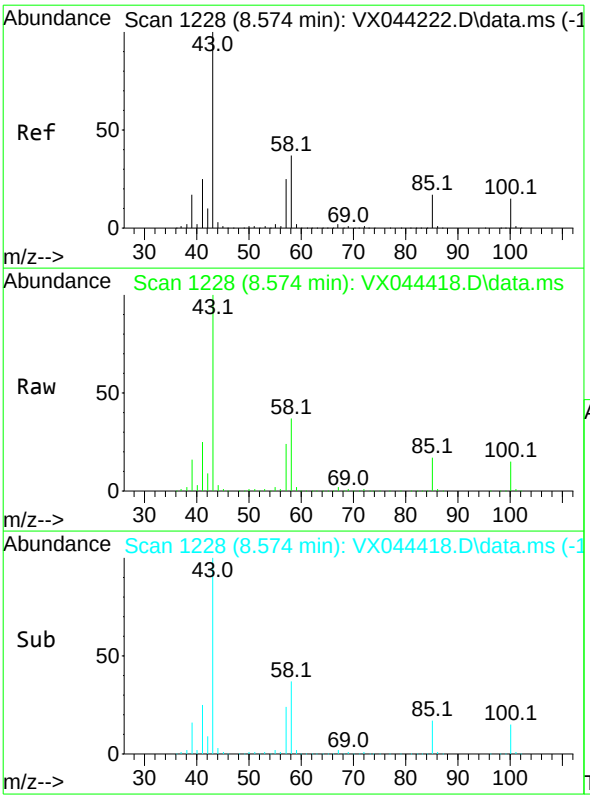




#50
Toluene-d8
Concen: 52.508 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 98 Resp: 260771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 51.5 | 77.3 |

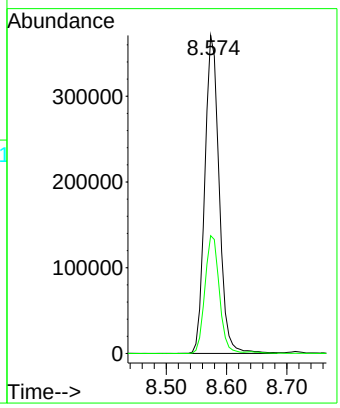





#51
4-Methyl-2-Pentanone
Concen: 259.119 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 43 Resp: 612508

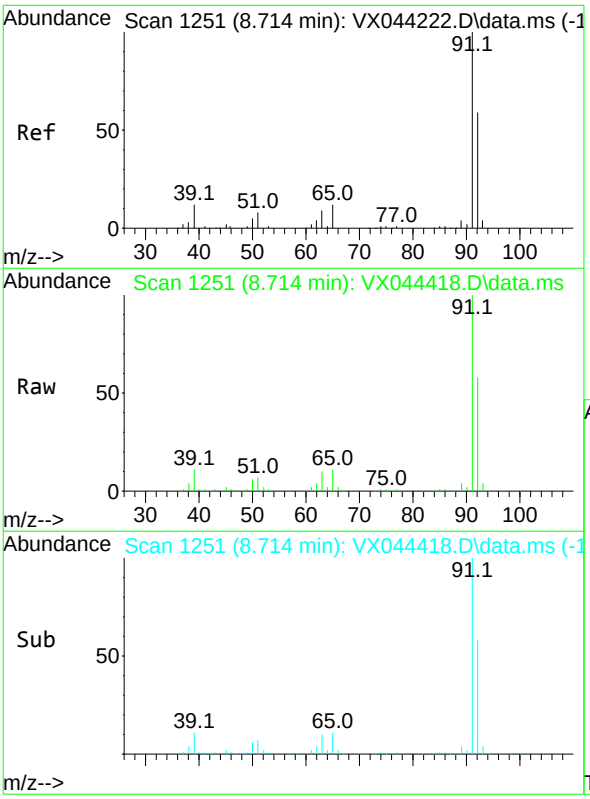
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 29.4 | 44.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

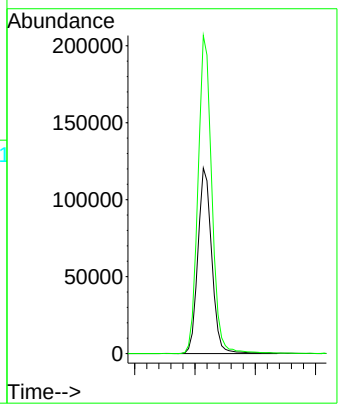
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

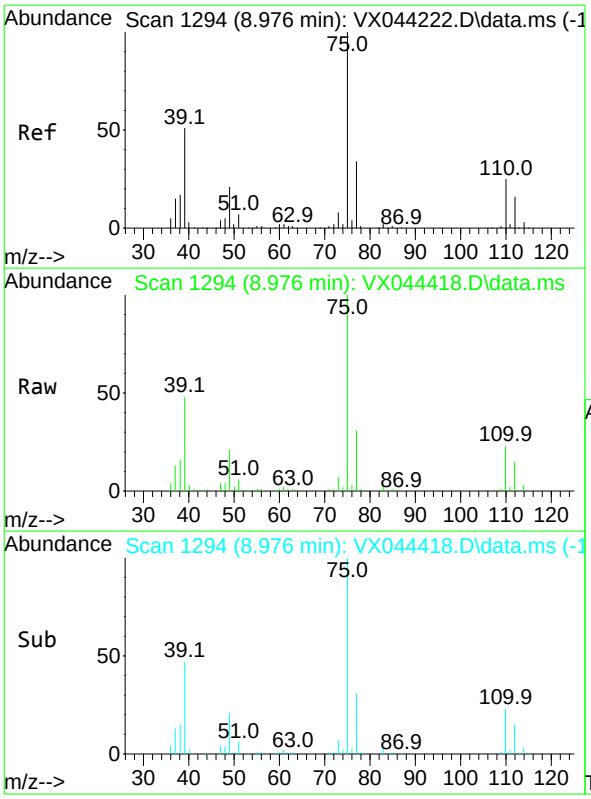



#52
Toluene
Concen: 52.936 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 92 Resp: 192052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 137.0 | 205.6 |

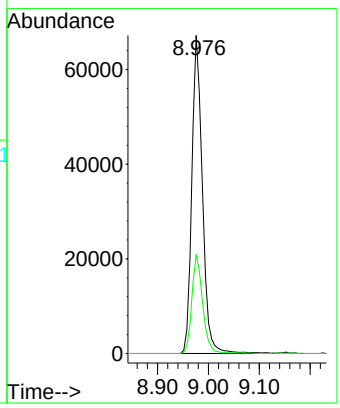





#53
t-1,3-Dichloropropene
Concen: 46.021 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 75 Resp: 97126

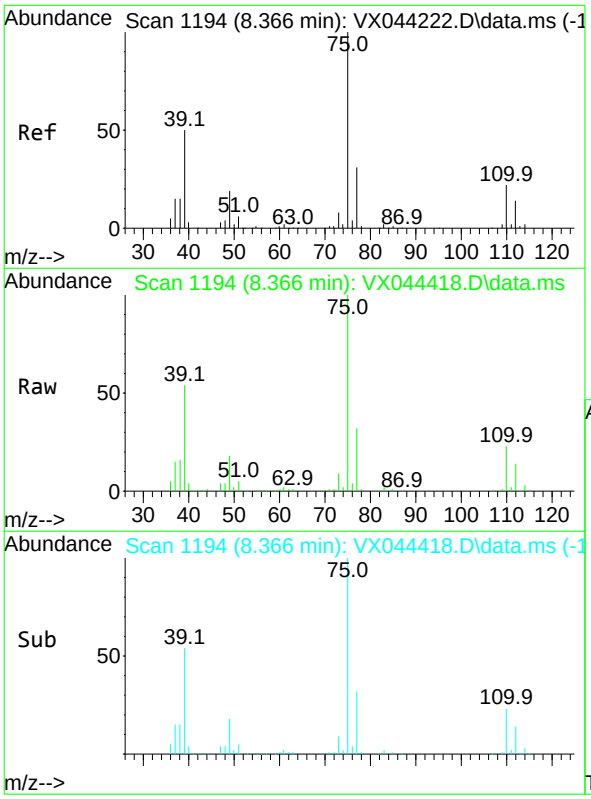
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 27.2 | 40.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

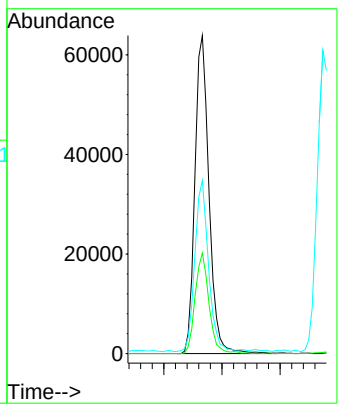
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

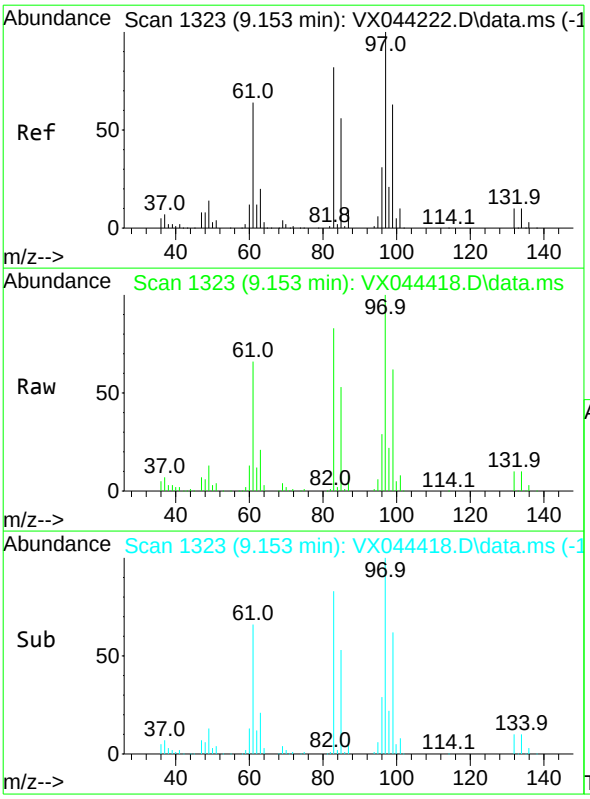



#54
cis-1,3-Dichloropropene
Concen: 49.904 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 75 Resp: 107458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 24.7 | 37.1 |
| 39 | 53.7 | 40.3 | 60.5 |

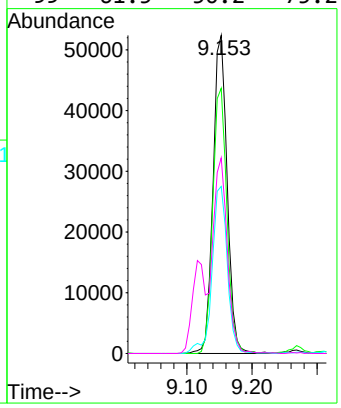





#55
1,1,2-Trichloroethane
Concen: 54.799 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 97 Resp: 78981

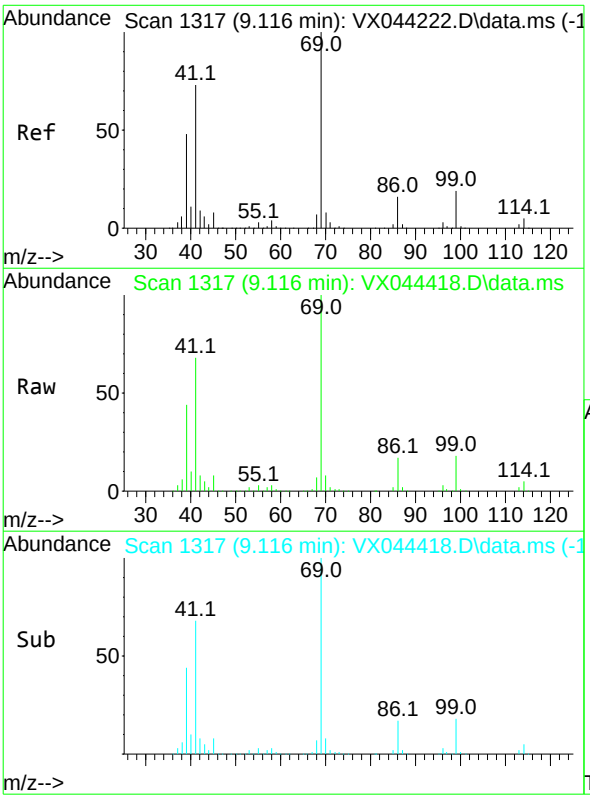
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.4 | 65.3 | 97.9 |
| 85 | 52.5 | 44.6 | 67.0 |
| 99 | 61.5 | 50.2 | 75.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

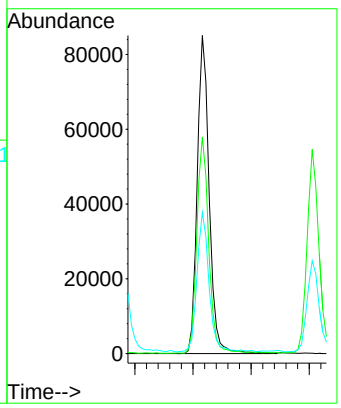
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

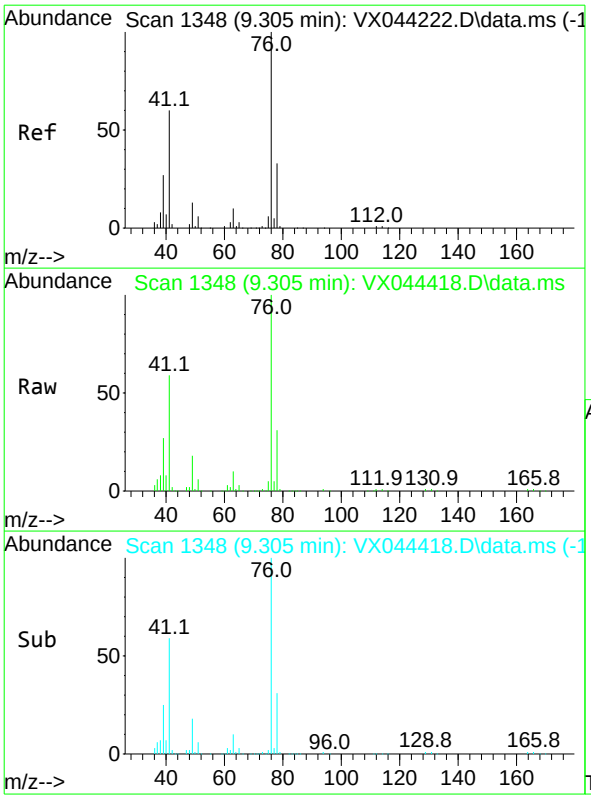



#56
Ethyl methacrylate
Concen: 53.416 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 69 Resp: 121540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 67.6 | 56.6 | 85.0 |
| 39 | 43.7 | 37.4 | 56.0 |






#57
1,3-Dichloropropane
Concen: 52.942 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

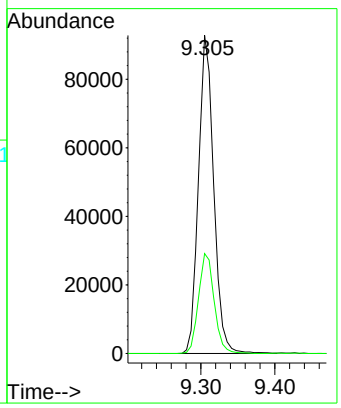
Tgt Ion: 76 Resp: 132816

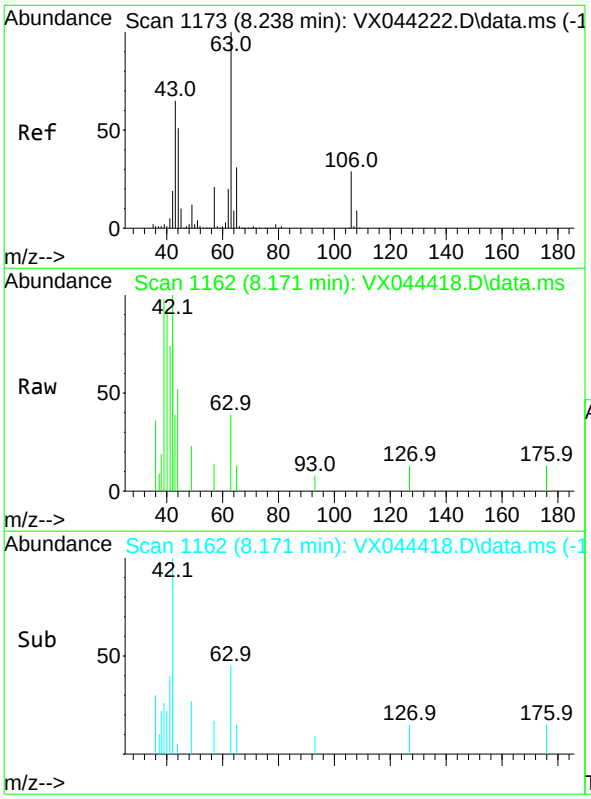
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 26.5 | 39.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

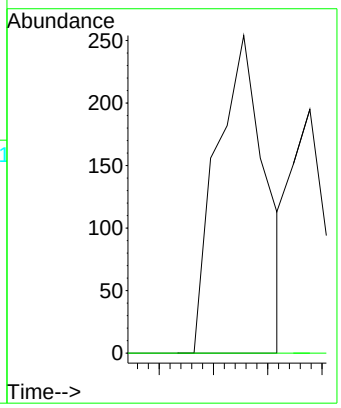


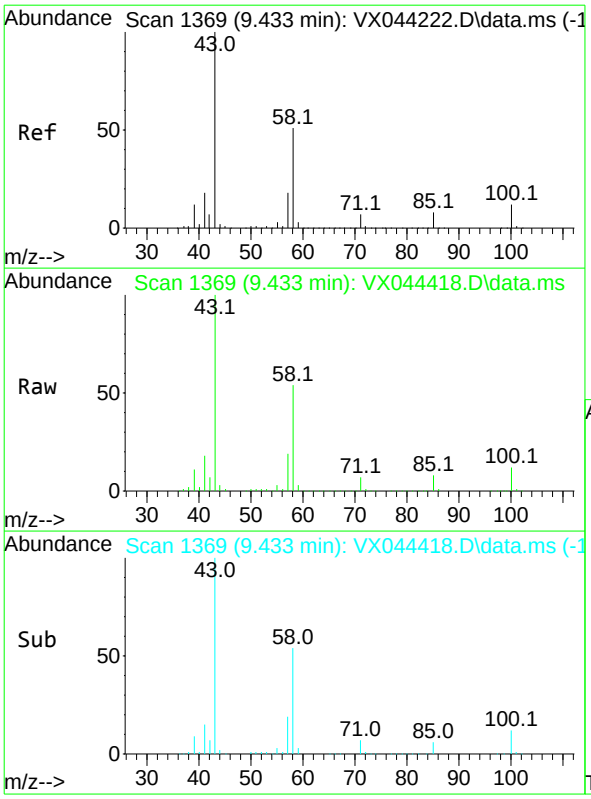




#58
2-Chloroethyl Vinyl ether
Concen: 0.274 ug/l
RT: 8.171 min Scan# 1162
Delta R.T. -0.067 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 63 Resp: 315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 22.8 | 34.2# |






#59
2-Hexanone
Concen: 262.936 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

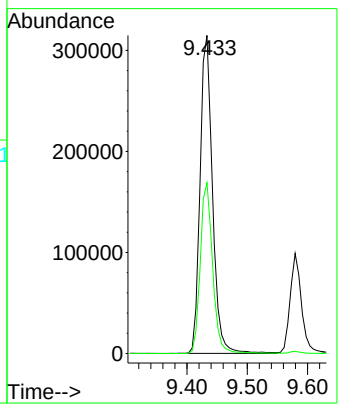
Tgt Ion: 43 Resp: 449879

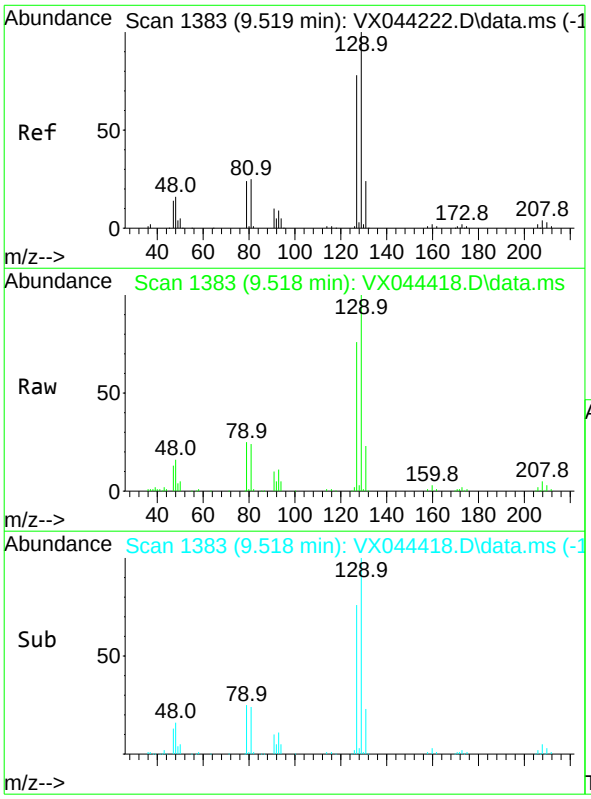
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 25.7 | 77.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

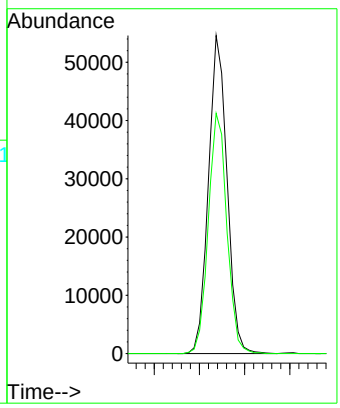


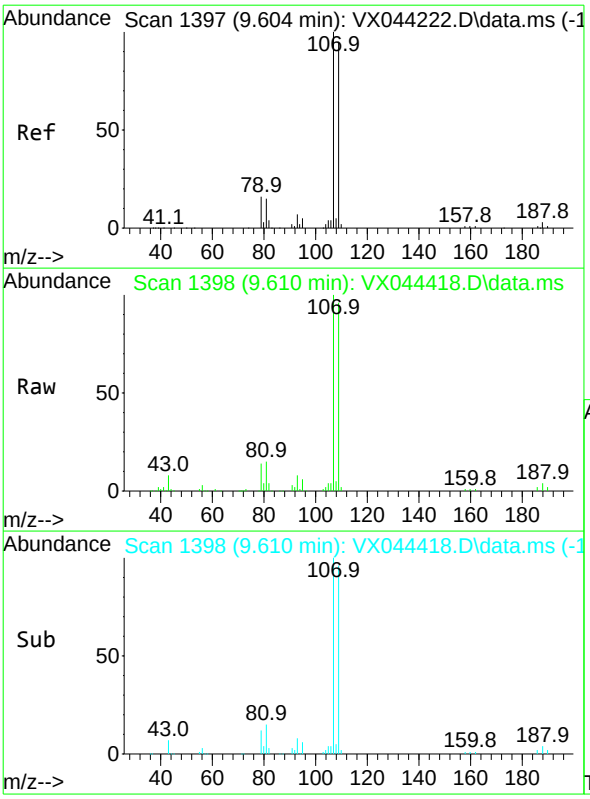




#60
Dibromochloromethane
Concen: 50.885 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:129 Resp: 77763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.6 | 38.5 | 115.3 |






#61
1,2-Dibromoethane
Concen: 54.710 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:107 Resp: 80264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.2 | 77.0 | 115.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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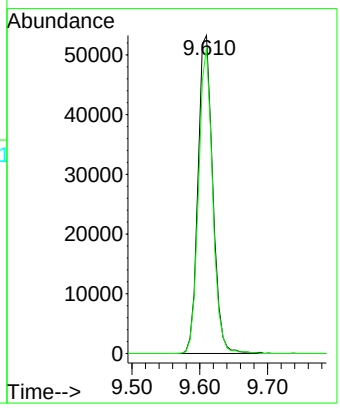
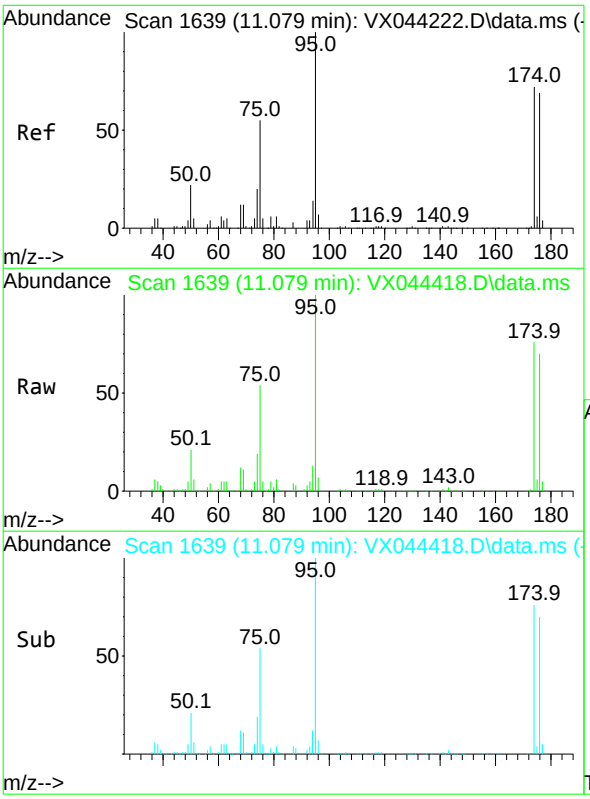
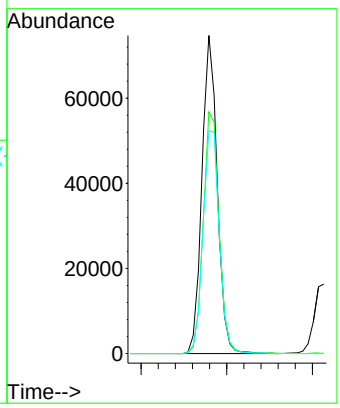


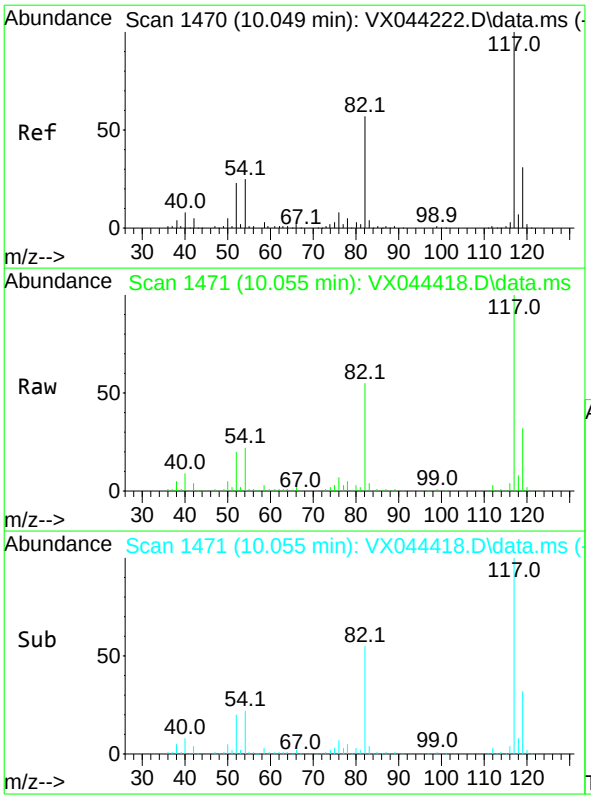




#62
4-Bromofluorobenzene
Concen: 53.347 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 95 Resp: 92575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.4 | 0.0 | 145.8 |
| 176 | 75.2 | 0.0 | 137.8 |

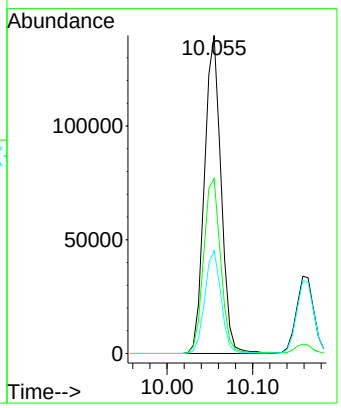





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:117 Resp: 188325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 45.8 | 68.8 |
| 119 | 32.4 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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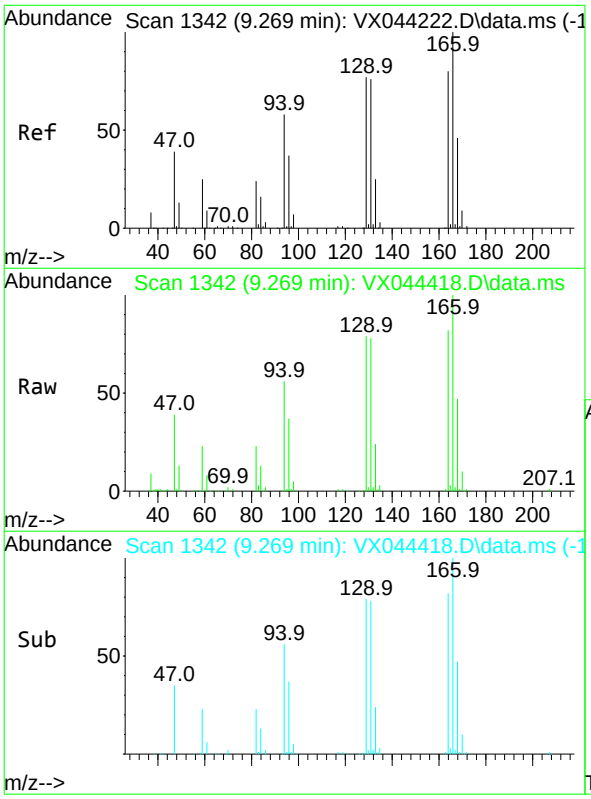
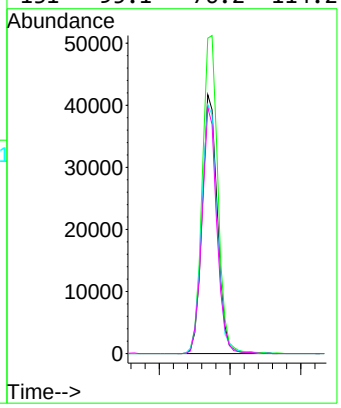
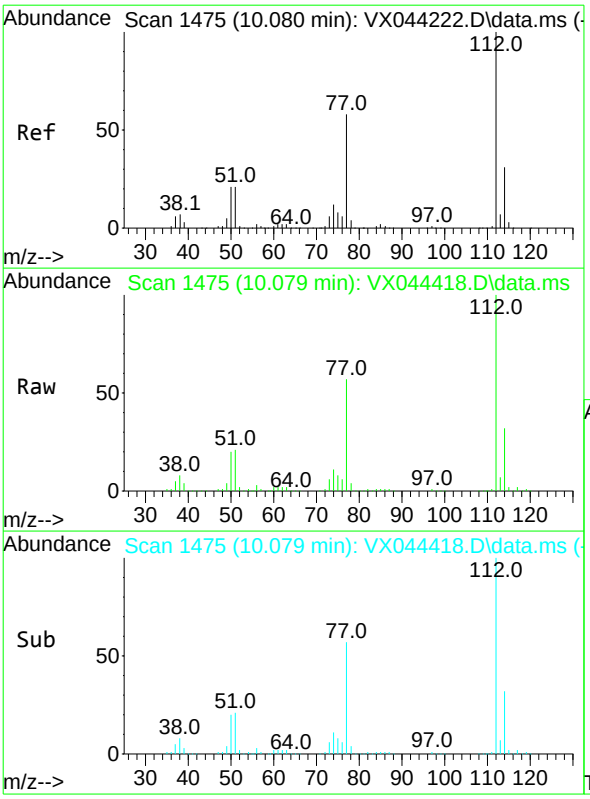



#64
Tetrachloroethene
Concen: 49.825 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:164 Resp: 62279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 121.8 | 100.4 | 150.6 |
| 129 | 96.2 | 77.2 | 115.8 |
| 131 | 95.1 | 76.2 | 114.2 |






#65
Chlorobenzene
Concen: 51.150 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:112 Resp: 206411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.0 | 37.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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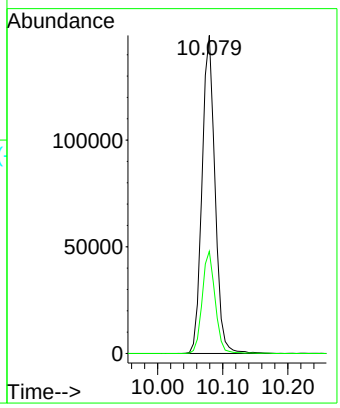
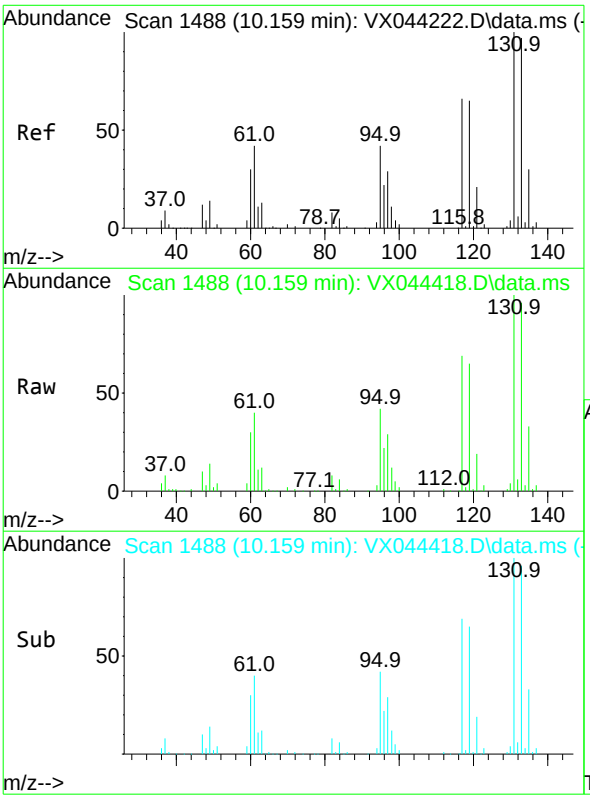
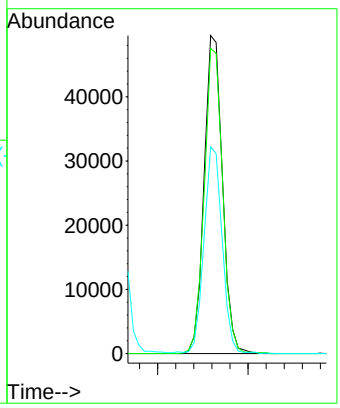


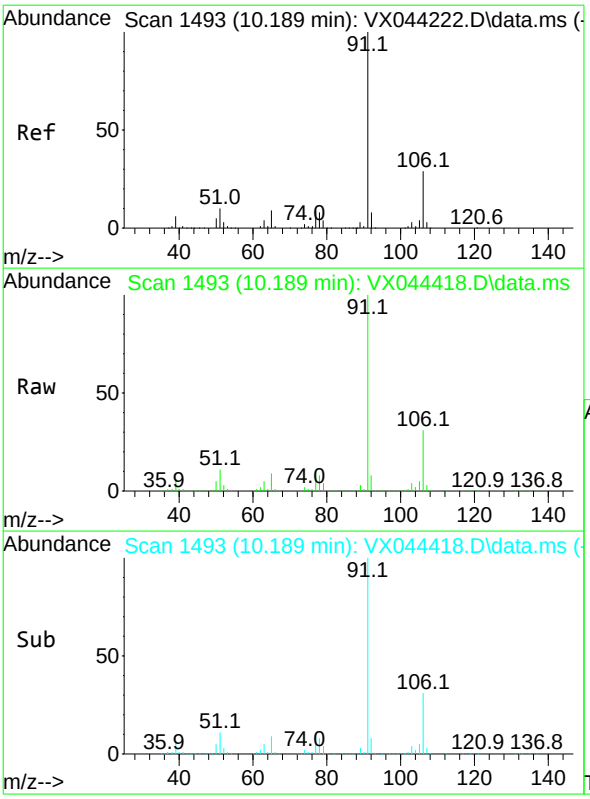




#66
1,1,1,2-Tetrachloroethane
Concen: 53.786 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:131 Resp: 69756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.3 | 141.8 |
| 119 | 64.7 | 31.6 | 95.0 |

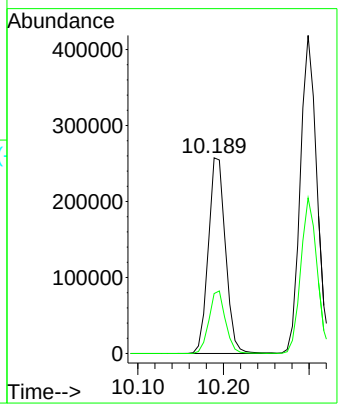





#67
Ethyl Benzene
Concen: 51.351 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 91 Resp: 358045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.5 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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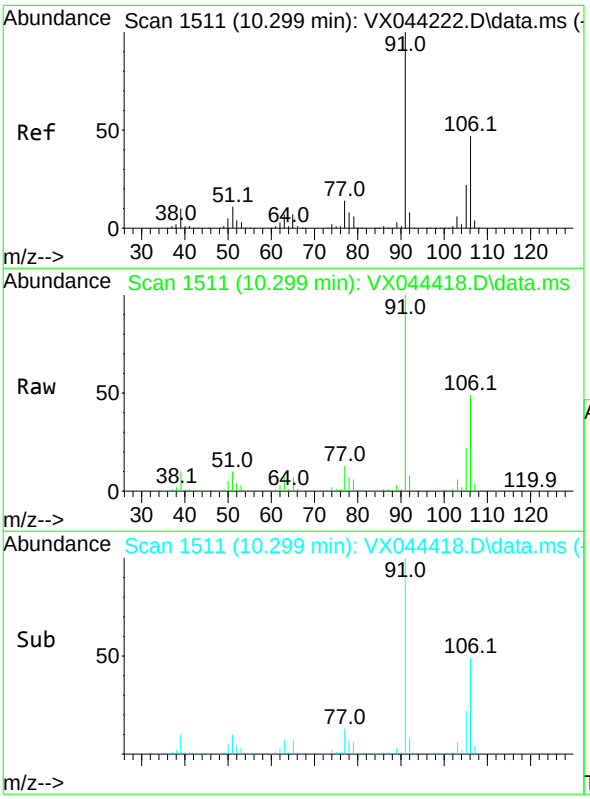
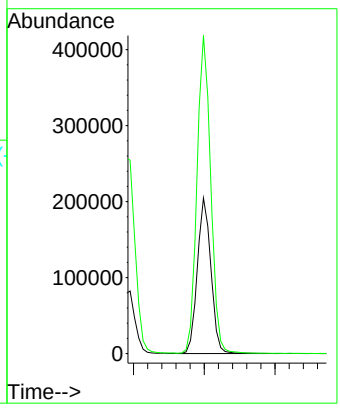
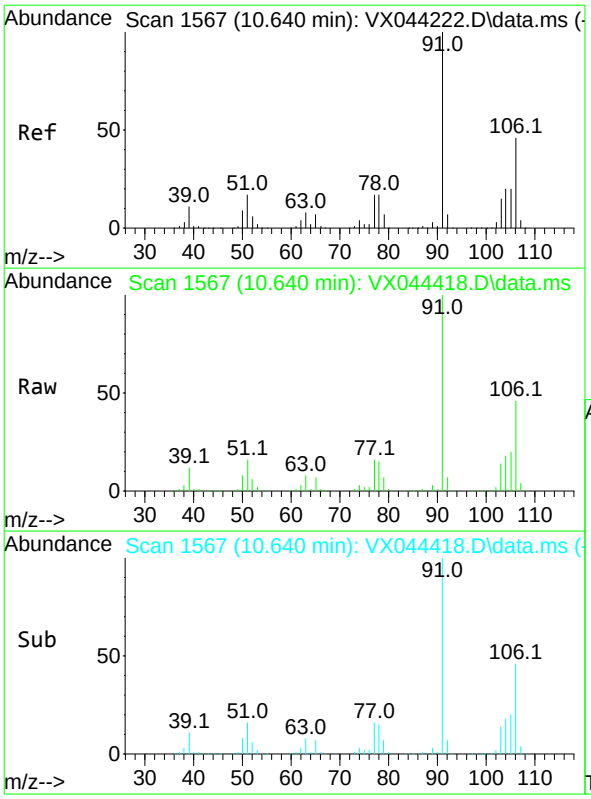



#68
m/p-Xylenes
Concen: 106.570 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:106 Resp: 272658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.6 | 170.2 | 255.2 |

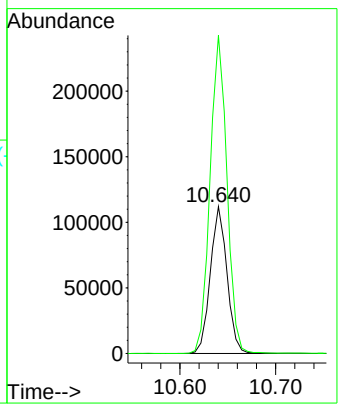





#69
o-Xylene
Concen: 52.382 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:106 Resp: 135601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.0 | 112.3 | 337.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
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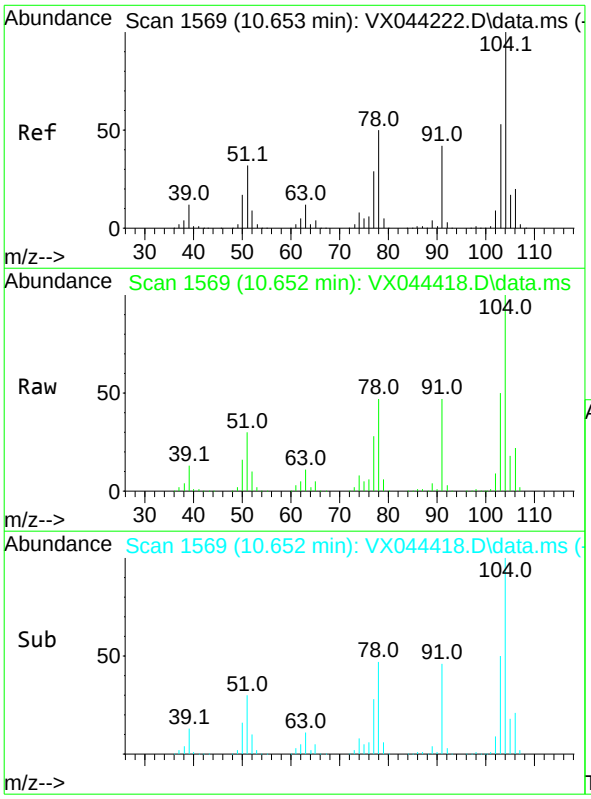
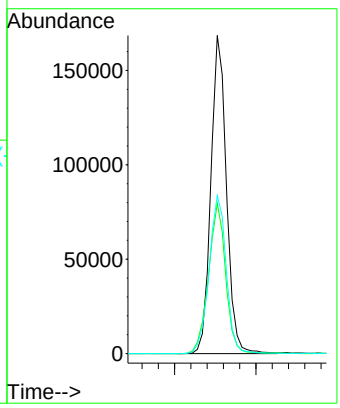
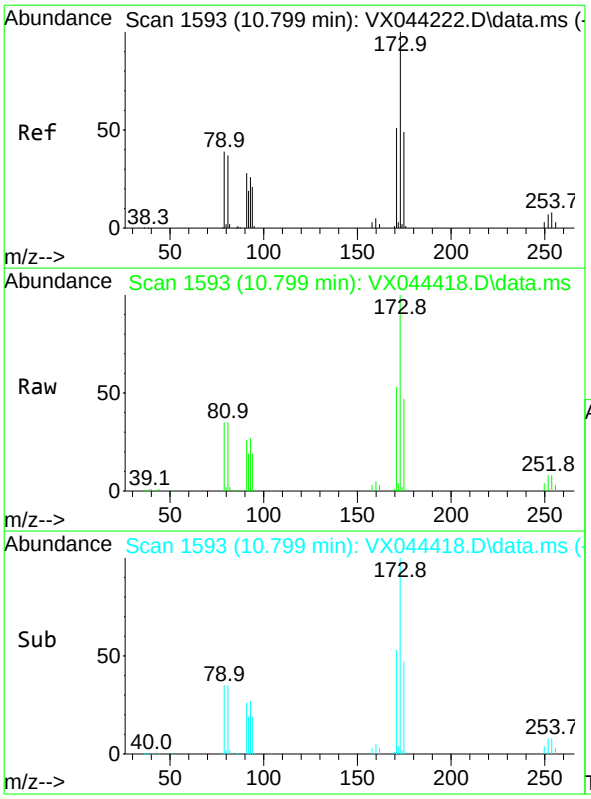



#70
Styrene
Concen: 53.973 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:104 Resp: 223981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 44.6 | 67.0 |
| 103 | 54.9 | 45.4 | 68.0 |






#71
Bromoform
Concen: 50.932 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:173 Resp: 46268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
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Reviewed By :John Carlone 12/20/2024
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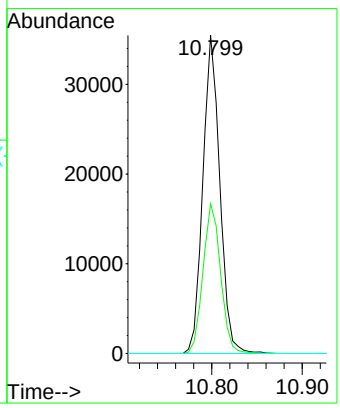
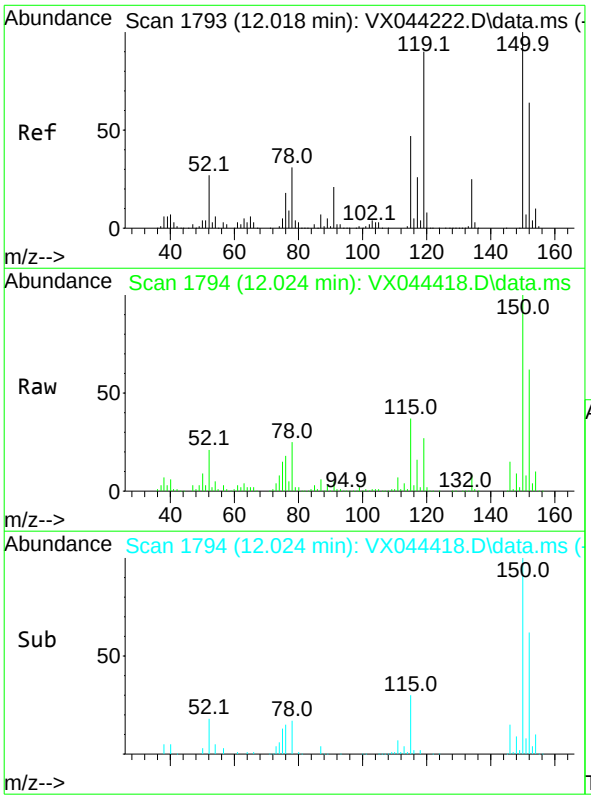
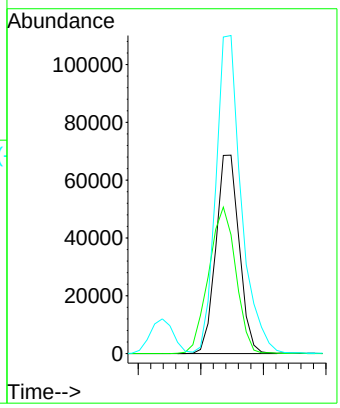


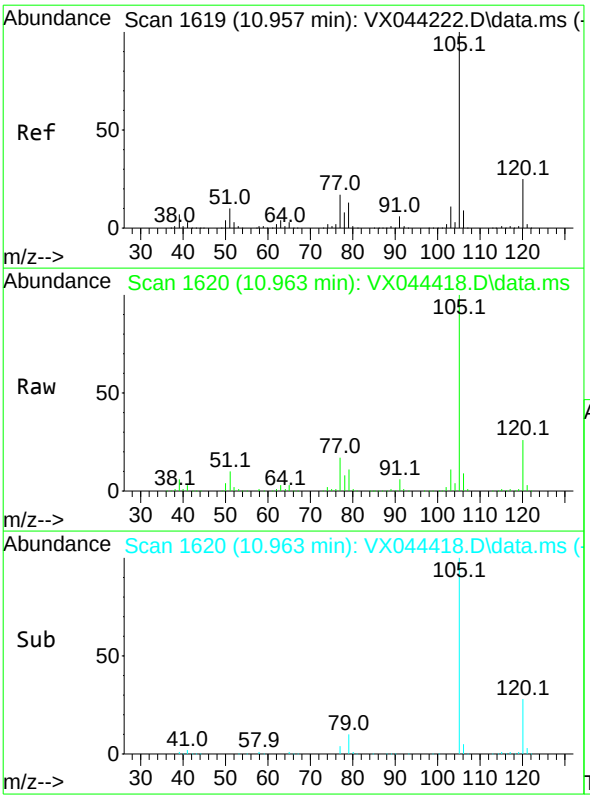




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:152 Resp: 88743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.2 | 44.5 | 133.3 |
| 150 | 174.6 | 0.0 | 353.8 |

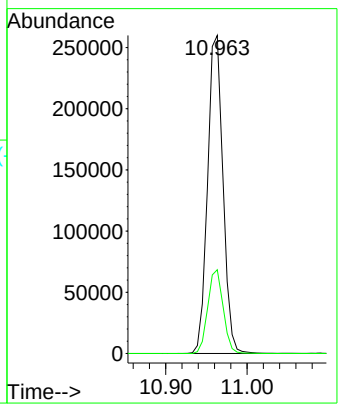





#73
Isopropylbenzene
Concen: 50.304 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:105 Resp: 341745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.1 | 39.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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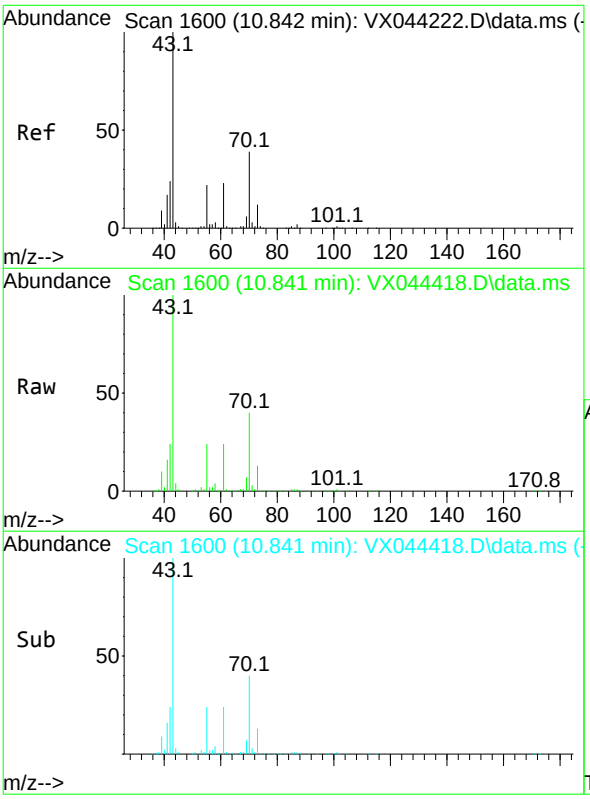
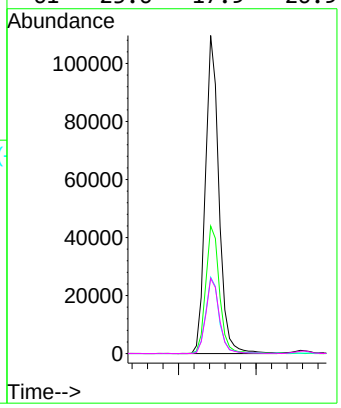
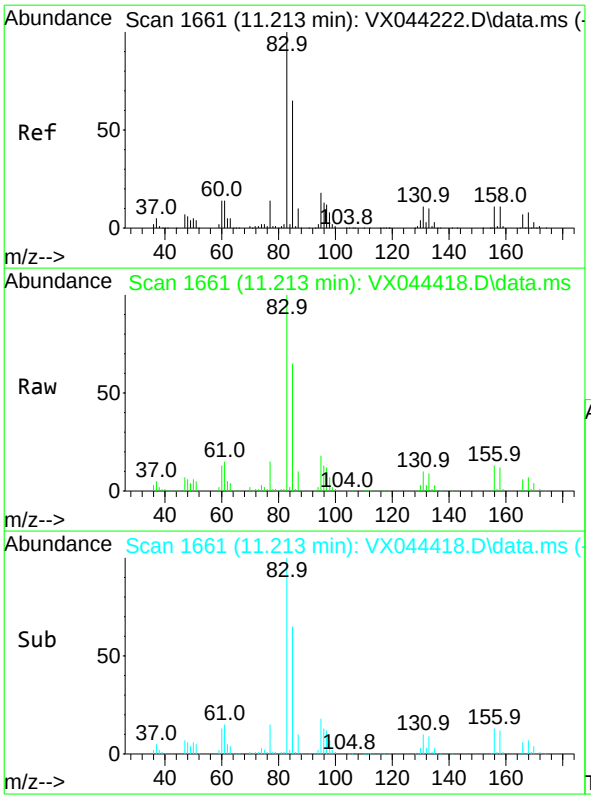



#74
N-amyl acetate
Concen: 42.337 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 43 Resp: 132925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.7 | 31.9 | 47.9 |
| 55 | 24.0 | 17.9 | 26.9 |
| 61 | 23.6 | 17.9 | 26.9 |

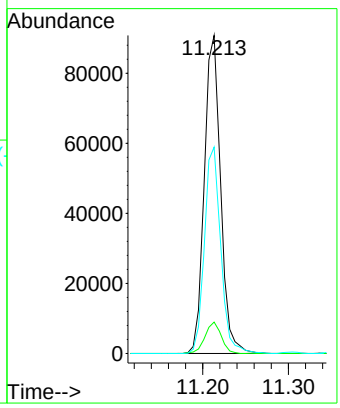





#75
1,1,2,2-Tetrachloroethane
Concen: 50.882 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 83 Resp: 120063

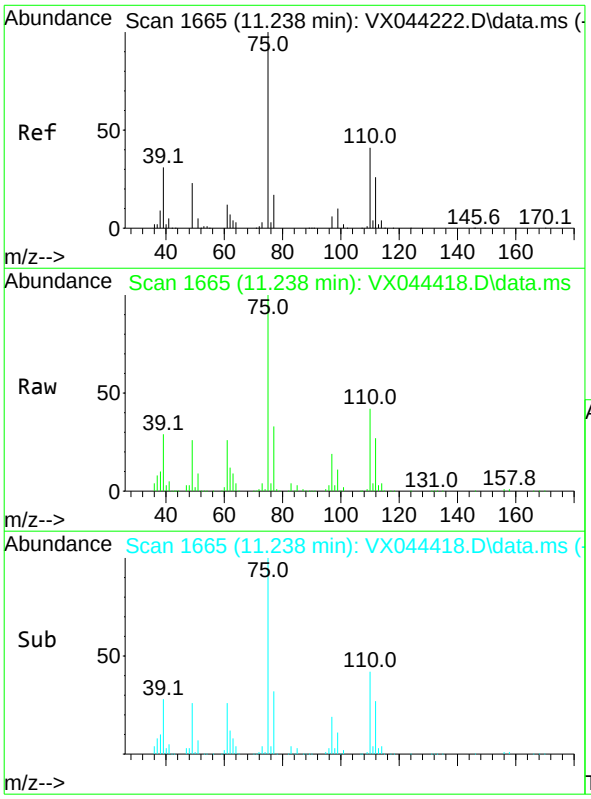
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 64.9 | 32.5 | 97.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

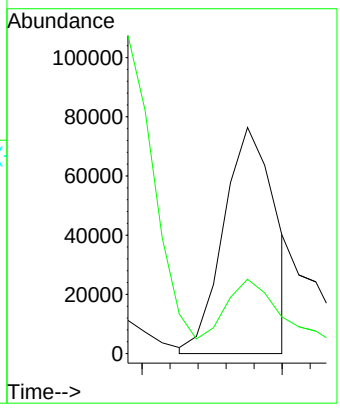
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

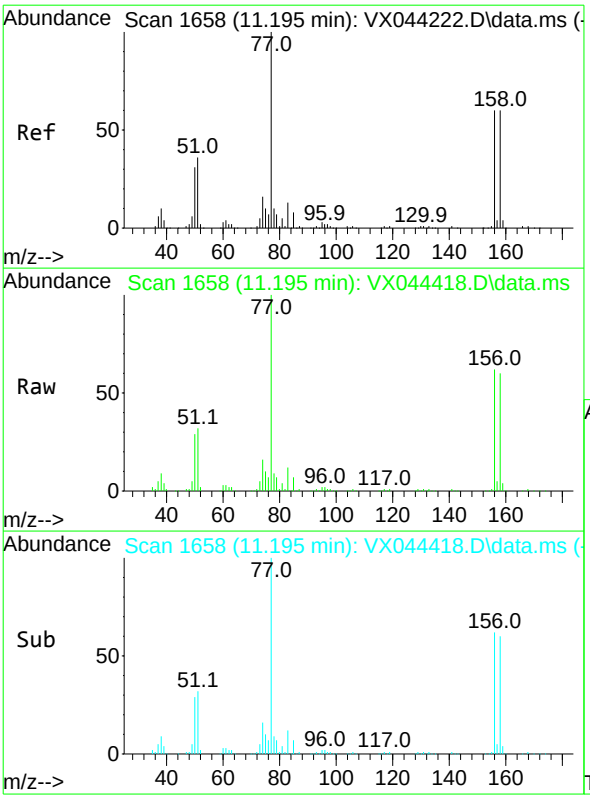



#76
1,2,3-Trichloropropane
Concen: 49.317 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 75 Resp: 97718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.4 | 20.9 | 62.7 |






#77
Bromobenzene
Concen: 51.708 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

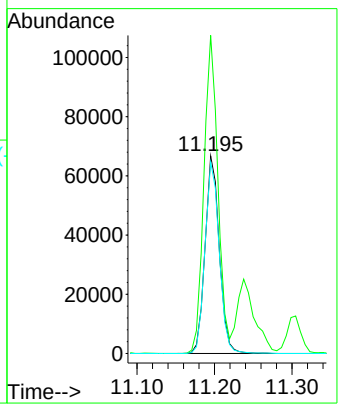
**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

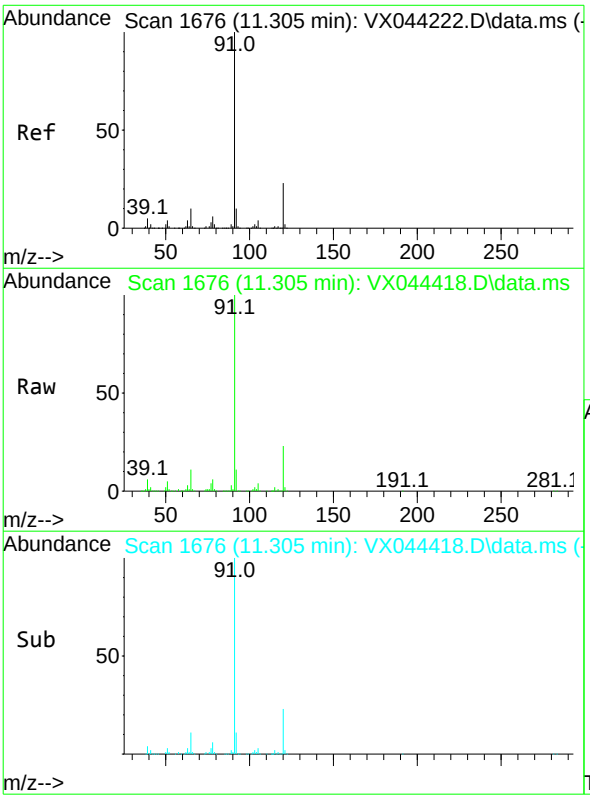
Tgt Ion:156 Resp: 85185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 158.4 | 82.6 | 247.8 |
| 158 | 97.1 | 48.8 | 146.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

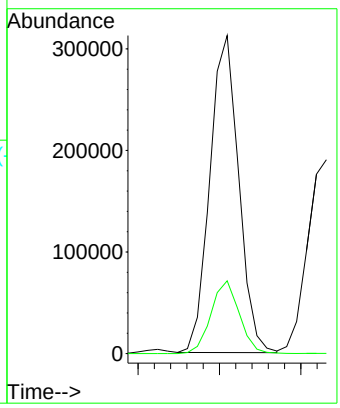


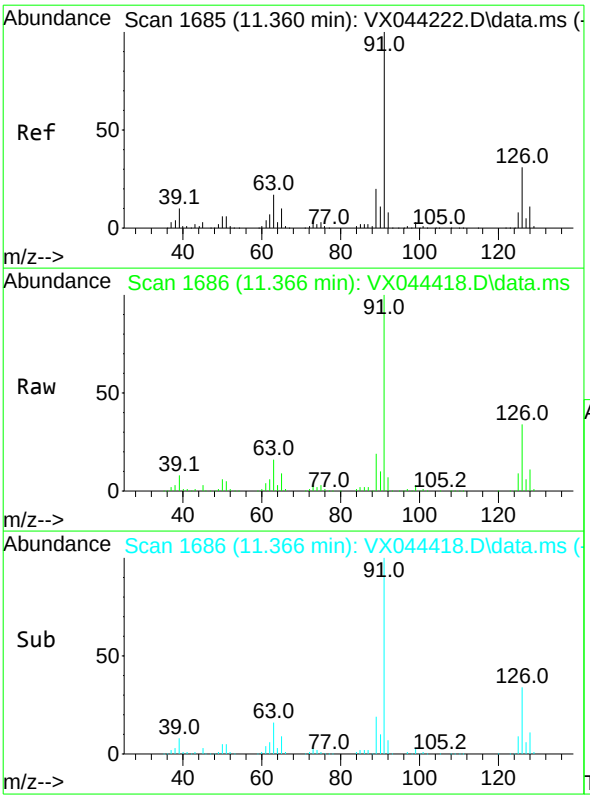




#78
n-propylbenzene
Concen: 51.244 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 91 Resp: 384780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.0 | 33.0 |






#79
2-Chlorotoluene
Concen: 49.475 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

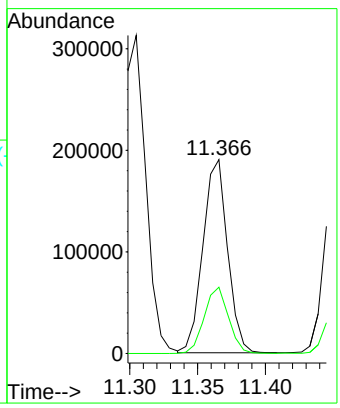
Tgt Ion: 91 Resp: 240255

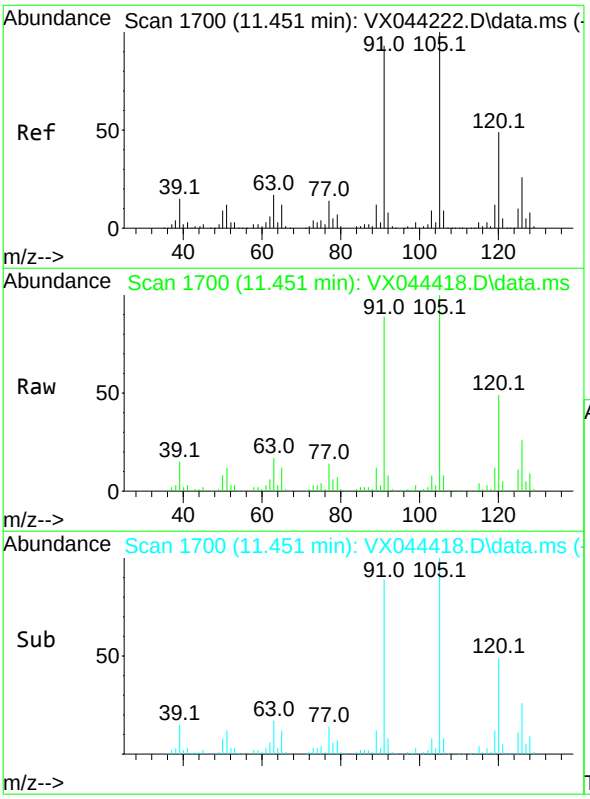
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

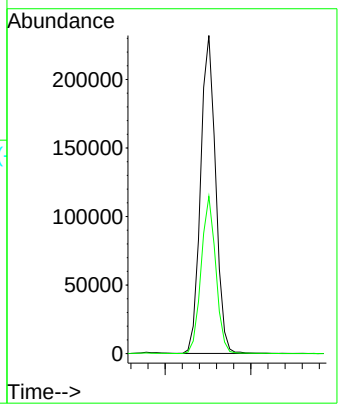


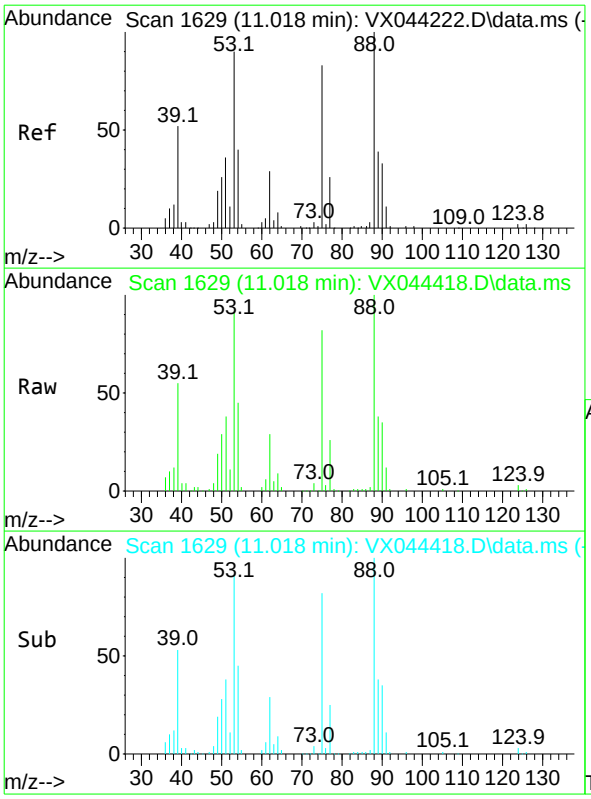




#80
1,3,5-Trimethylbenzene
Concen: 50.261 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:105 Resp: 283162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 23.8 | 71.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 38.247 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

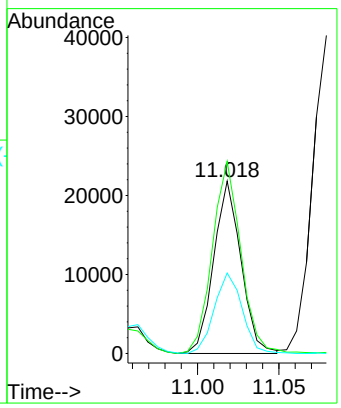
Tgt Ion: 75 Resp: 25426

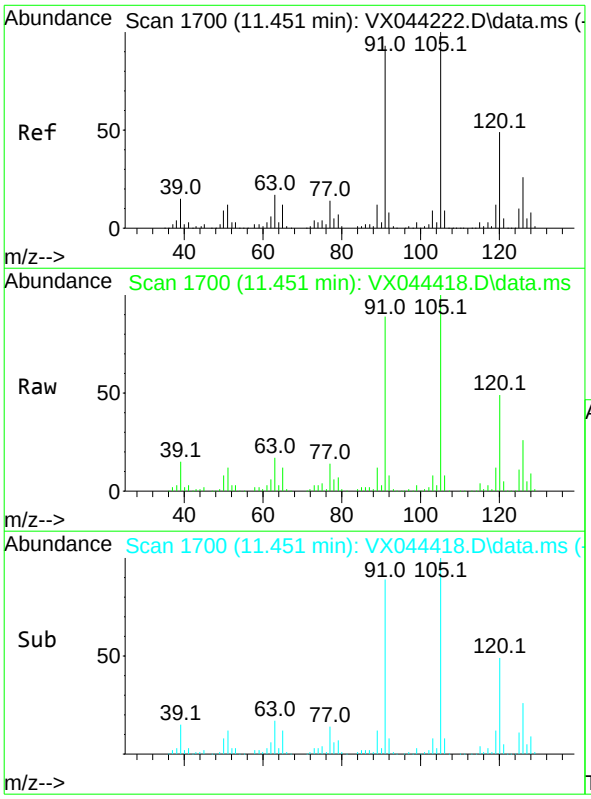
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 117.4 | 93.6 | 140.4 |
| 89 | 47.7 | 37.3 | 55.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

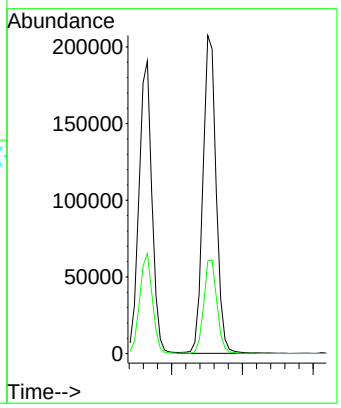


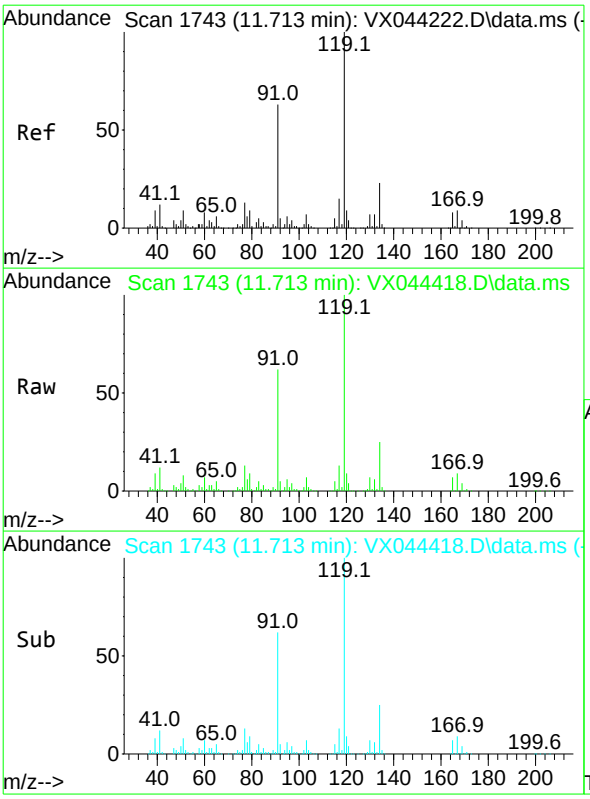




#82
4-Chlorotoluene
Concen: 50.004 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 91 Resp: 268894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.5 | 43.5 |






#83
tert-Butylbenzene
Concen: 51.857 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:119 Resp: 288730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.7 | 30.9 | 92.5 |
| 134 | 23.8 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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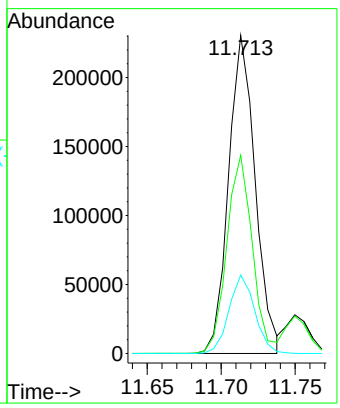
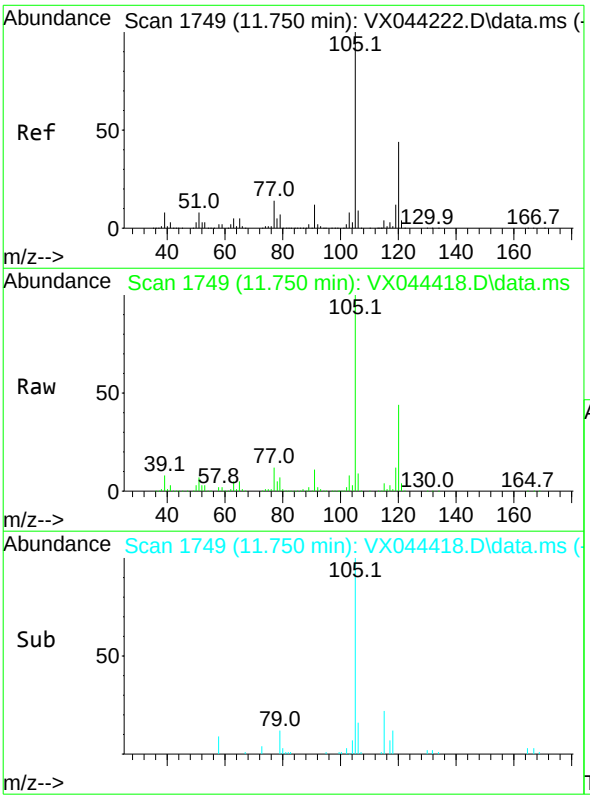
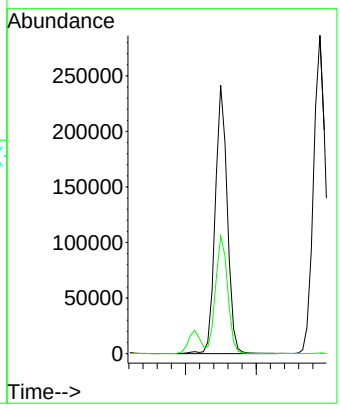


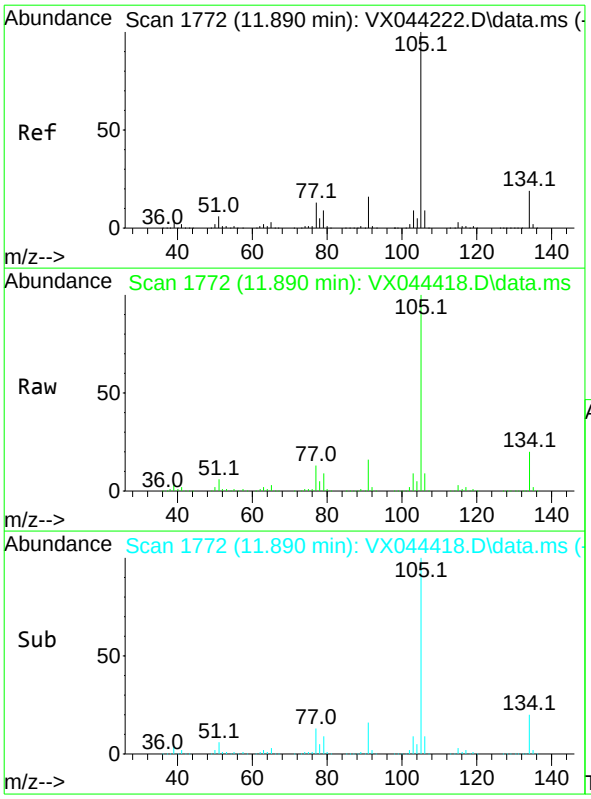




#84
1,2,4-Trimethylbenzene
Concen: 51.580 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:105 Resp: 285385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 50.713 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

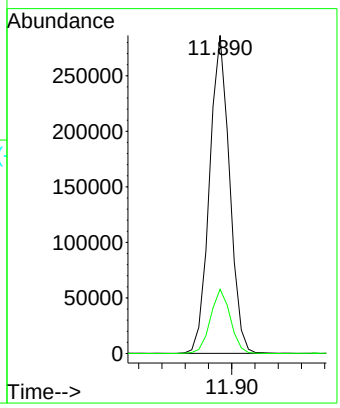
Tgt Ion:105 Resp: 342783

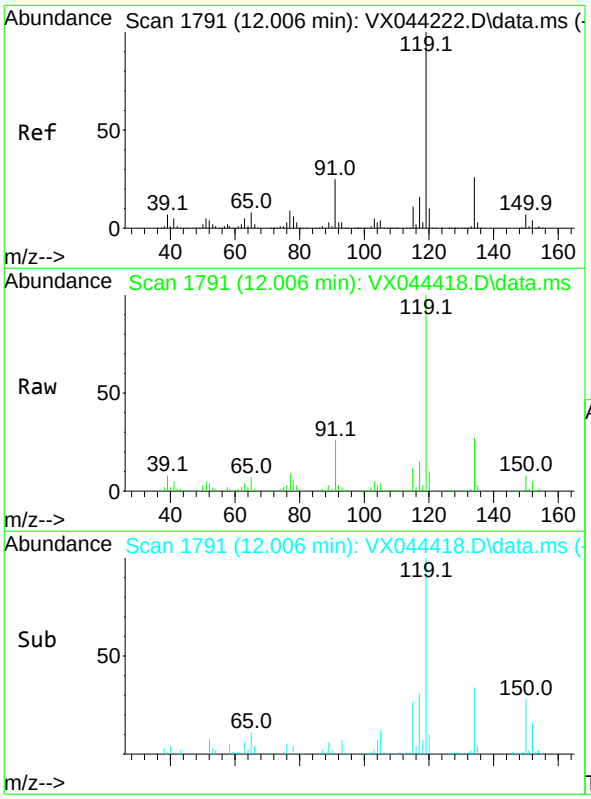
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

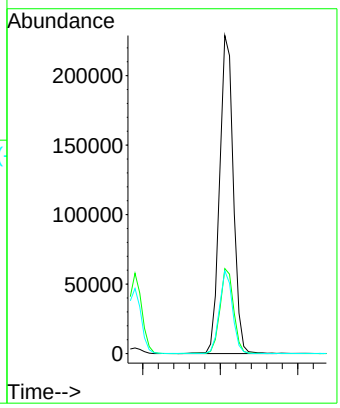


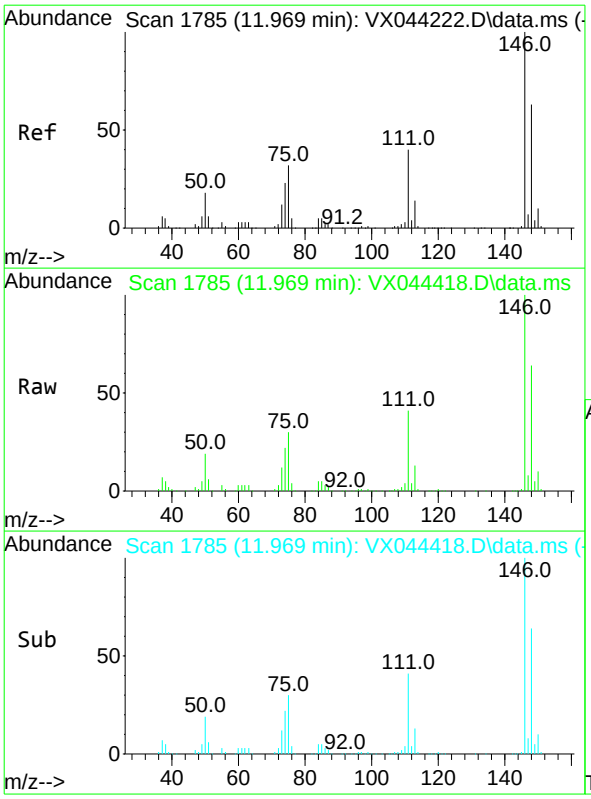




#86
p-Isopropyltoluene
Concen: 49.959 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:119 Resp: 281058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.5 | 12.8 | 38.4 |
| 91 | 24.9 | 13.0 | 39.0 |

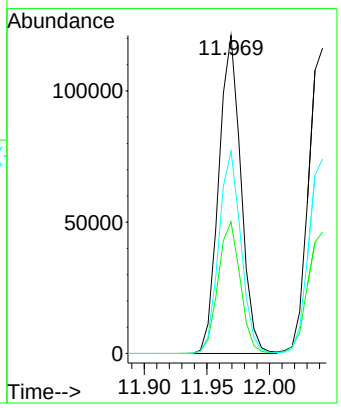





#87
1,3-Dichlorobenzene
Concen: 51.859 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:146 Resp: 149233

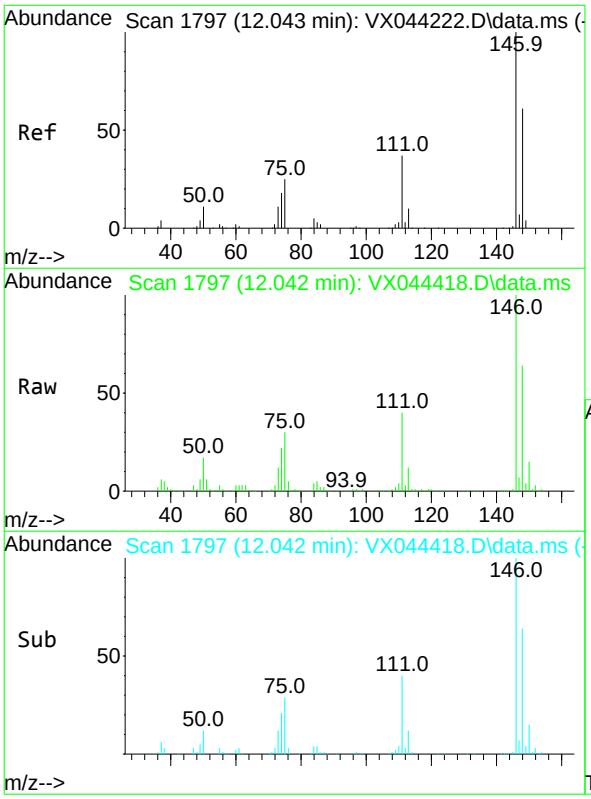
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.4 | 64.2 |
| 148 | 63.5 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

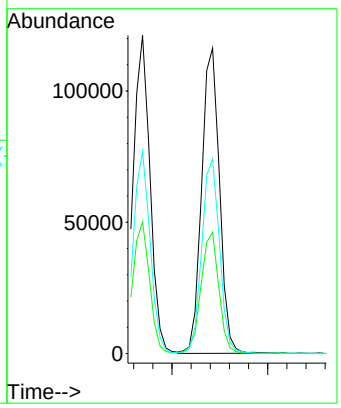
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

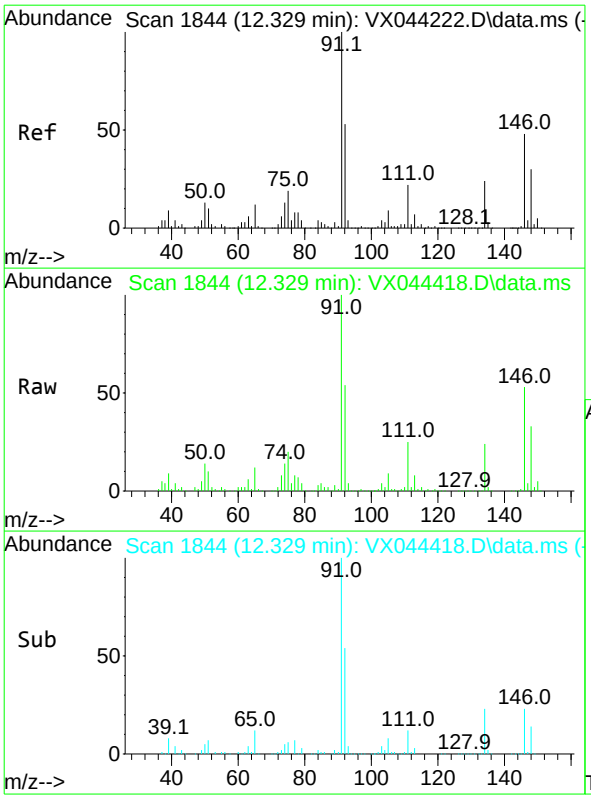



#88
1,4-Dichlorobenzene
Concen: 50.855 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:146 Resp: 150438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 21.0 | 63.0 |
| 148 | 63.4 | 32.3 | 96.8 |






#89
n-Butylbenzene
Concen: 48.745 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 91 Resp: 230593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.6 | 79.7 |
| 134 | 25.1 | 12.6 | 37.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
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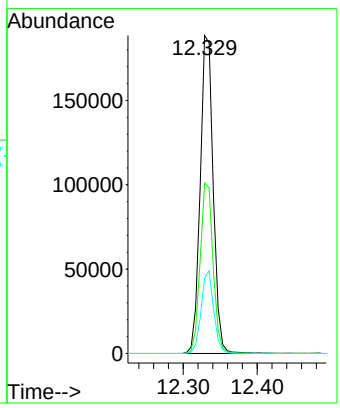
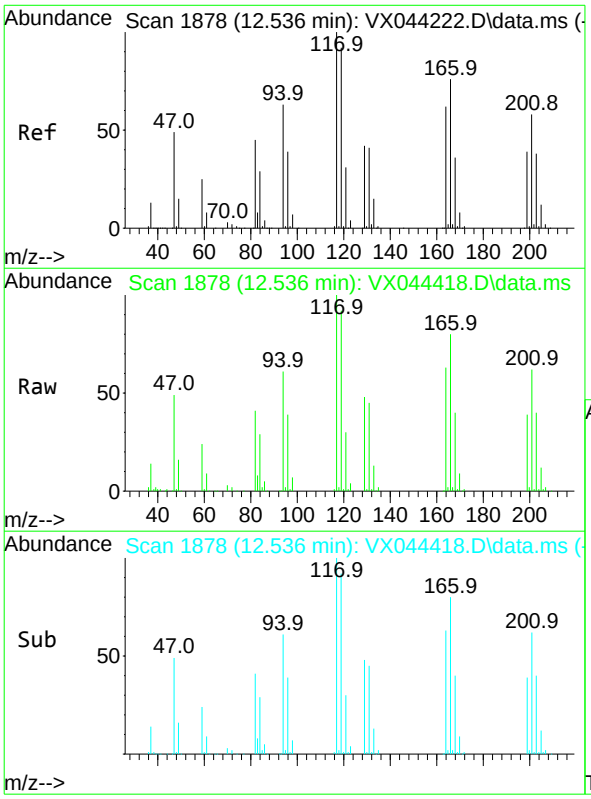
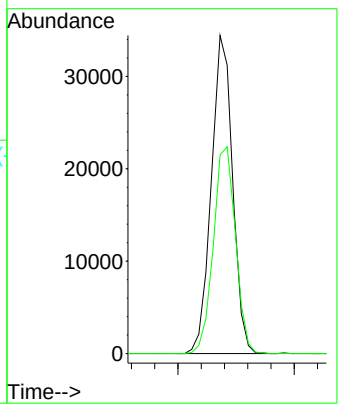


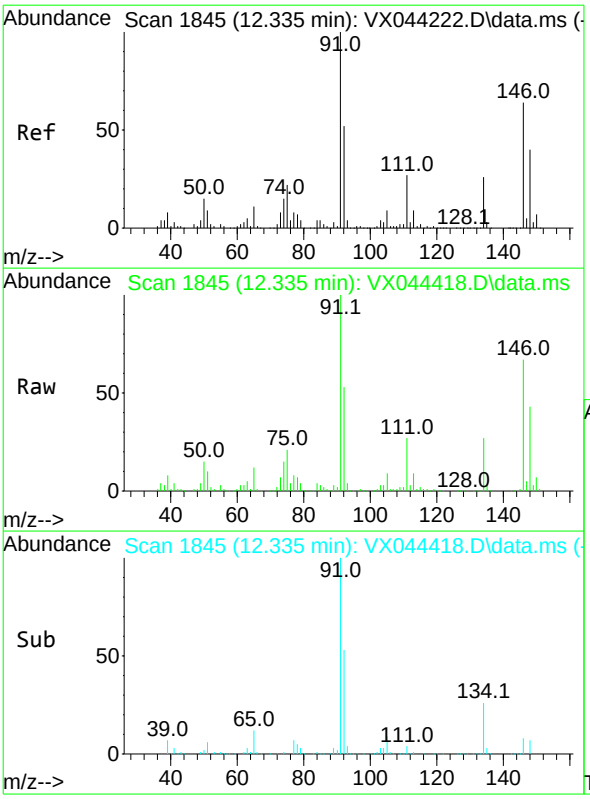




#90
Hexachloroethane
Concen: 53.222 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:117 Resp: 43707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.8 | 31.4 | 94.2 |






#91
1,2-Dichlorobenzene
Concen: 50.827 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

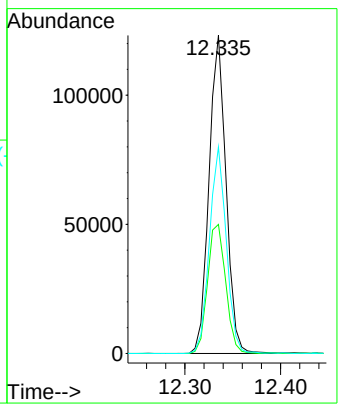
**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

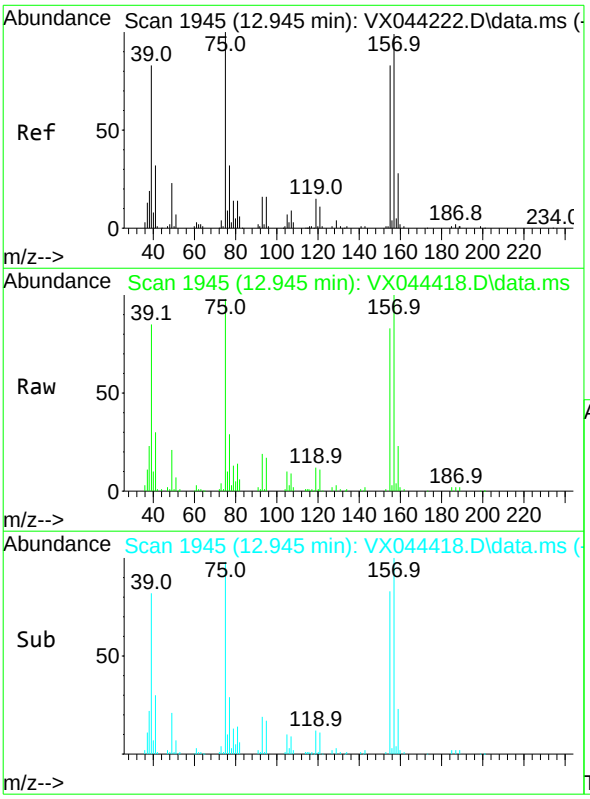
Tgt Ion:146 Resp: 151871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.4 | 64.3 |
| 148 | 64.5 | 31.6 | 95.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

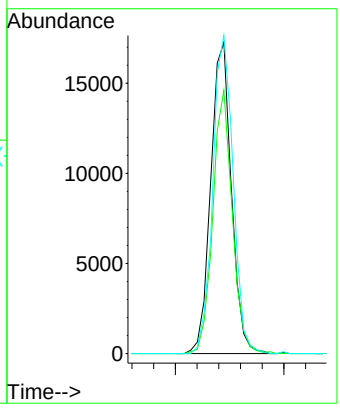


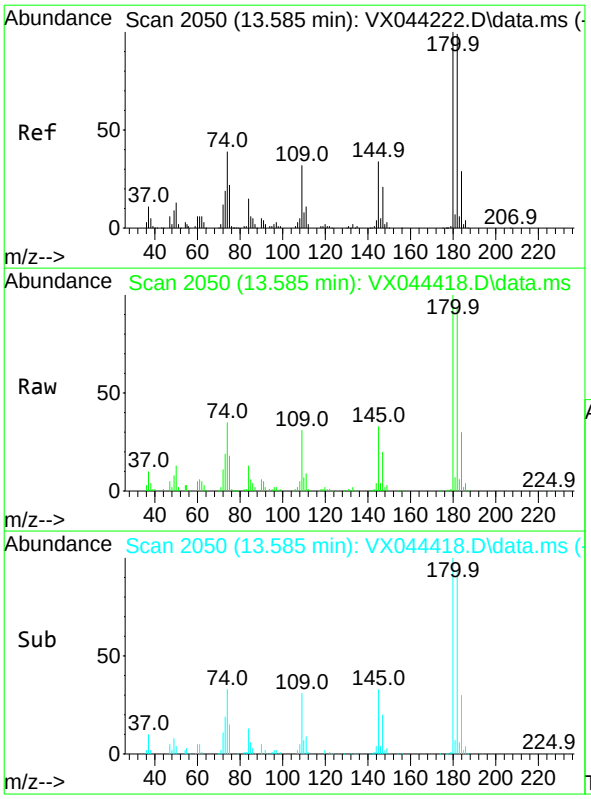




#92
1,2-Dibromo-3-Chloropropane
Concen: 49.742 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion: 75 Resp: 22785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.9 | 38.1 | 114.3 |
| 157 | 100.6 | 47.2 | 141.6 |






#93
1,2,4-Trichlorobenzene
Concen: 51.552 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

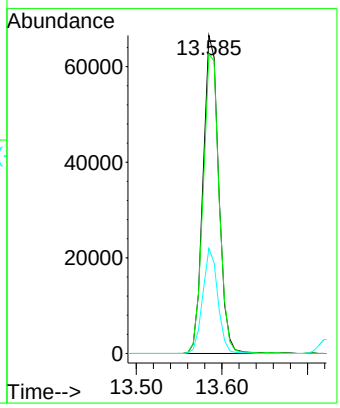
Tgt Ion:180 Resp: 84448

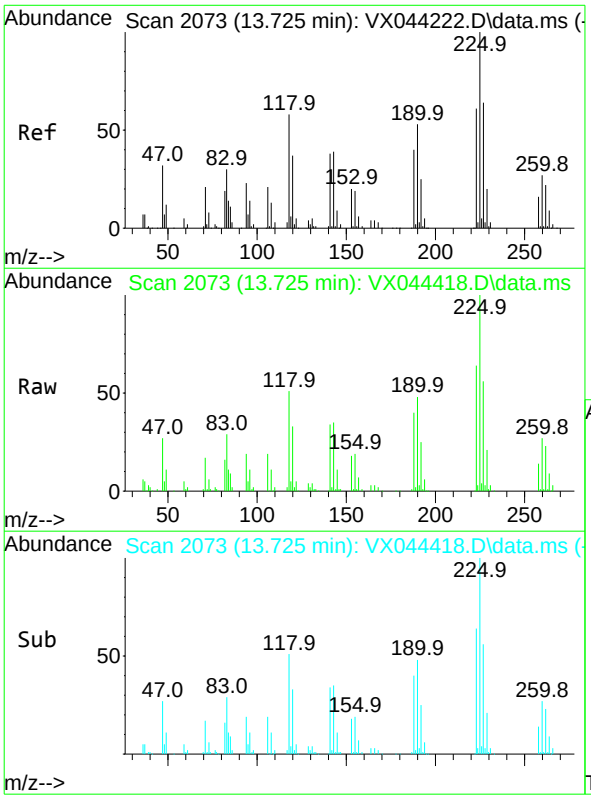
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 48.0 | 144.2 |
| 145 | 31.8 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

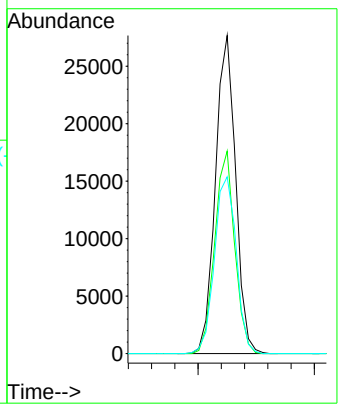


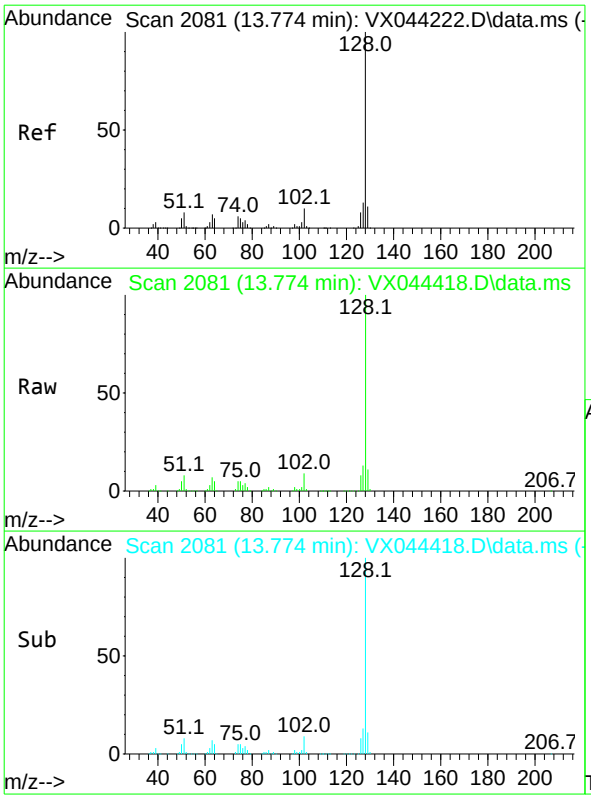




#94
Hexachlorobutadiene
Concen: 50.632 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:225 Resp: 33362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 30.8 | 92.4 |
| 227 | 59.9 | 32.1 | 96.3 |






#95
Naphthalene
Concen: 49.962 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

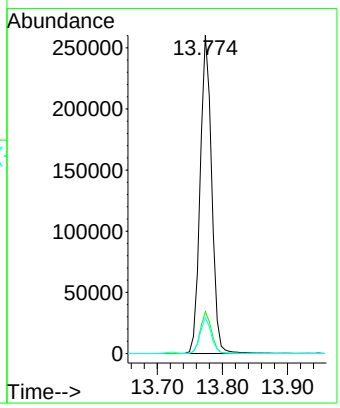
Tgt Ion:128 Resp: 319471

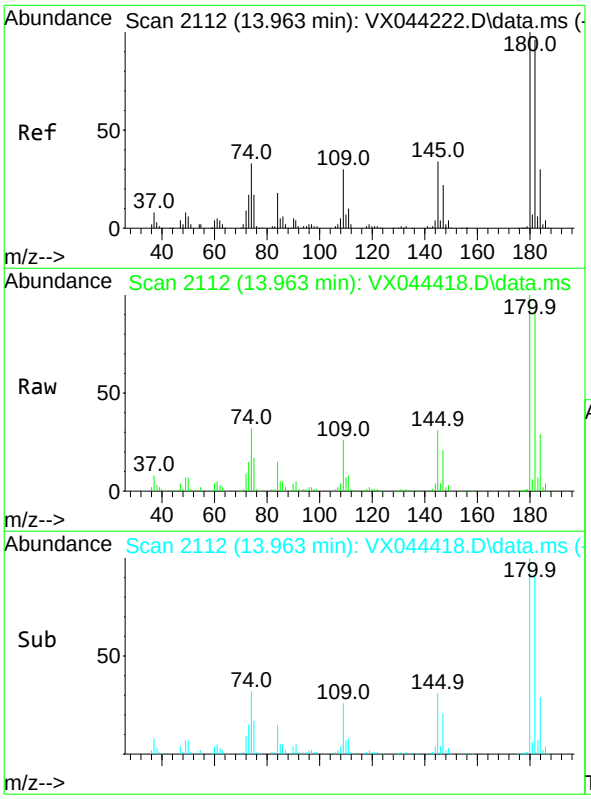
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 11.0 | 9.0 | 13.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

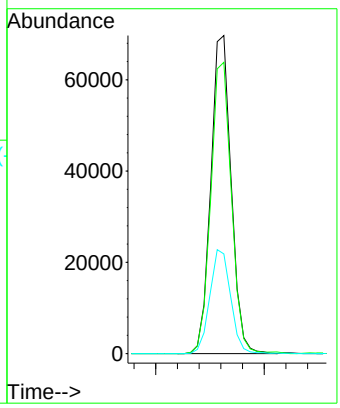



#96
1,2,3-Trichlorobenzene
Concen: 52.140 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51

Tgt Ion:180 Resp: 90592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.0 | 48.0 | 144.0 |
| 145 | 33.5 | 17.7 | 53.1 |



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# Manual Integration Report

| Sequence: | vx121124 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC001 | VX044219.D | 1,1-Dichloropropene | JOHN | 12/12/2024 9:55:42 AM | MMDadoda | 12/12/2024 2:17:09 PM | Peak Integrated by Software |
| VSTDICC001 | VX044219.D | 1,2,3-Trichloropropane | JOHN | 12/12/2024 9:55:42 AM | MMDadoda | 12/12/2024 2:17:09 PM | Peak Integrated by Software |
| VSTDICC001 | VX044219.D | 1,4-Dichlorobenzene | JOHN | 12/12/2024 9:55:42 AM | MMDadoda | 12/12/2024 2:17:09 PM | Peak Integrated by Software |
| VSTDICC001 | VX044219.D | 1,4-Dioxane | JOHN | 12/12/2024 9:55:42 AM | MMDadoda | 12/12/2024 2:17:09 PM | Peak Integrated by Software |
| VSTDICC001 | VX044219.D | Chloroethane | JOHN | 12/12/2024 9:55:42 AM | MMDadoda | 12/12/2024 2:17:09 PM | Peak Integrated by Software |
| VSTDICC001 | VX044219.D | Methacrylonitrile | JOHN | 12/12/2024 9:55:42 AM | MMDadoda | 12/12/2024 2:17:09 PM | Peak Integrated by Software |
| VSTDICC005 | VX044220.D | 1,2,3-Trichloropropane | JOHN | 12/12/2024 9:55:46 AM | MMDadoda | 12/12/2024 2:17:07 PM | Peak Integrated by Software |
| VSTDICC005 | VX044220.D | 1,4-Dioxane | JOHN | 12/12/2024 9:55:46 AM | MMDadoda | 12/12/2024 2:17:07 PM | Peak Integrated by Software |
| VSTDICC005 | VX044220.D | Tert butyl alcohol | JOHN | 12/12/2024 9:55:46 AM | MMDadoda | 12/12/2024 2:17:07 PM | Peak Integrated by Software |
| VSTDICC020 | VX044221.D | 1,2,3-Trichloropropane | JOHN | 12/12/2024 9:56:10 AM | MMDadoda | 12/12/2024 2:17:06 PM | Peak Integrated by Software |
| VSTDICC020 | VX044221.D | 1,4-Dioxane | JOHN | 12/12/2024 9:56:10 AM | MMDadoda | 12/12/2024 2:17:06 PM | Peak Integrated by Software |
| VSTDICC020 | VX044221.D | Tert butyl alcohol | JOHN | 12/12/2024 9:56:10 AM | MMDadoda | 12/12/2024 2:17:06 PM | Peak Integrated by Software |
| VSTDICCC050 | VX044222.D | 1,2,3-Trichloropropane | JOHN | 12/12/2024 9:56:15 AM | MMDadoda | 12/12/2024 2:17:04 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | vx121124 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICCC050 | VX044222.D | 1,4-Dioxane | JOHN | 12/12/2024 9:56:15 AM | MMDadoda | 12/12/2024 2:17:04 PM | Peak Integrated by Software |
| VSTDICCC050 | VX044222.D | Tert butyl alcohol | JOHN | 12/12/2024 9:56:15 AM | MMDadoda | 12/12/2024 2:17:04 PM | Peak Integrated by Software |
| VSTDICC100 | VX044223.D | 1,2,3-Trichloropropane | JOHN | 12/12/2024 9:56:19 AM | MMDadoda | 12/12/2024 2:17:02 PM | Peak Integrated by Software |
| VSTDICC100 | VX044223.D | 1,4-Dioxane | JOHN | 12/12/2024 9:56:19 AM | MMDadoda | 12/12/2024 2:17:02 PM | Peak Integrated by Software |
| VSTDICC150 | VX044224.D | 1,2,3-Trichloropropane | JOHN | 12/12/2024 9:56:22 AM | MMDadoda | 12/12/2024 2:17:00 PM | Peak Integrated by Software |
| VSTDICC150 | VX044224.D | 1,4-Dioxane | JOHN | 12/12/2024 9:56:22 AM | MMDadoda | 12/12/2024 2:17:00 PM | Peak Integrated by Software |
| VSTDICV050 | VX044226.D | 1,2,3-Trichloropropane | JOHN | 12/12/2024 9:56:27 AM | MMDadoda | 12/12/2024 2:16:58 PM | Peak Integrated by Software |
| VSTDICV050 | VX044226.D | 1,4-Dioxane | JOHN | 12/12/2024 9:56:27 AM | MMDadoda | 12/12/2024 2:16:58 PM | Peak Integrated by Software |
| VSTDCCC050 | VX044238.D | 1,2,3-Trichloropropane | JOHN | 12/12/2024 9:59:41 AM | MMDadoda | 12/12/2024 2:16:39 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VX121824 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX044375.D | 1,2,3-Trichloropropane | JOHN | 12/20/2024 10:17:30 AM | MMDadoda | 12/20/2024 10:51:29 AM | Peak Integrated by Software |
| VSTDCCC050 | VX044395.D | 1,2,3-Trichloropropane | JOHN | 12/20/2024 10:28:03 AM | MMDadoda | 12/20/2024 10:51:17 AM | Peak Integrated by Software |
| VSTDCCC050 | VX044397.D | 1,2,3-Trichloropropane | JOHN | 12/20/2024 10:28:08 AM | MMDadoda | 12/20/2024 10:51:13 AM | Peak Integrated by Software |
| VX1218WBS02 | VX044399.D | 1,2,3-Trichloropropane | JOHN | 12/20/2024 10:29:45 AM | MMDadoda | 12/20/2024 10:51:11 AM | Peak Integrated by Software |
| P5317-01 | VX044401.D | Chloroform | JOHN | 12/20/2024 10:29:53 AM | MMDadoda | 12/20/2024 10:51:06 AM | Peak Integrated by Software |
| P5317-19MS | VX044417.D | 1,2,3-Trichloropropane | JOHN | 12/20/2024 10:29:59 AM | MMDadoda | 12/20/2024 10:51:04 AM | Peak Integrated by Software |
| P5317-20MSD | VX044418.D | 1,2,3-Trichloropropane | JOHN | 12/20/2024 10:30:04 AM | MMDadoda | 12/20/2024 10:51:02 AM | Peak Integrated by Software |
| VSTDCCC050 | VX044419.D | 1,2,3-Trichloropropane | JOHN | 12/20/2024 10:30:08 AM | MMDadoda | 12/20/2024 10:51:00 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VX122024 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX044438.D | 1,2,3-Trichloropropane | SAM | 12/23/2024 7:23:58 AM | MMDadoda | 12/24/2024 12:27:10 AM | Peak Integrated by Software |
| VX1220WBS01 | VX044441.D | 1,2,3-Trichloropropane | SAM | 12/23/2024 7:23:59 AM | MMDadoda | 12/24/2024 12:27:12 AM | Peak Integrated by Software |
| P5317-03 | VX044452.D | Chloroform | SAM | 12/23/2024 7:24:06 AM | MMDadoda | 12/24/2024 12:27:16 AM | Peak Integrated by Software |
| VSTDCCC050 | VX044464.D | 1,2,3-Trichloropropane | SAM | 12/23/2024 7:24:15 AM | MMDadoda | 12/24/2024 12:27:25 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VX122324 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX044466.D | 1,2,3-Trichloropropane | JOHN | 12/26/2024 9:26:02 AM | MMDadoda | 12/26/2024 12:30:18 PM | Peak Integrated by Software |
| VX1223WBS03 | VX044484.D | 1,2,3-Trichloropropane | JOHN | 12/26/2024 9:37:57 AM | MMDadoda | 12/26/2024 12:29:40 PM | Peak Integrated by Software |
| P5317-21 | VX044485.D | 1,4-Dichlorobenzene | JOHN | 12/26/2024 9:38:02 AM | MMDadoda | 12/26/2024 12:29:38 PM | Peak Integrated by Software |
| P5317-06 | VX044487.D | Chloroform | JOHN | 12/26/2024 9:38:07 AM | MMDadoda | 12/26/2024 12:29:36 PM | Peak Integrated by Software |
| P5317-25 | VX044491.D | Tetrahydrofuran | JOHN | 12/26/2024 9:38:23 AM | MMDadoda | 12/26/2024 12:29:34 PM | Peak Integrated by Software |
| VSTDCCC050 | VX044492.D | 1,2,3-Trichloropropane | JOHN | 12/26/2024 9:38:12 AM | MMDadoda | 12/26/2024 12:29:32 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VX123124 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX044540.D | 1,2,3-Trichloropropane | SAM | 12/31/2024 6:35:33 AM | MMDadoda | 12/31/2024 6:37:01 AM | Peak Integrated by Software |
| VSTDCCC050 | VX044540.D | 1,4-Dioxane | SAM | 12/31/2024 6:35:33 AM | MMDadoda | 12/31/2024 6:37:01 AM | Peak Integrated by Software |
| VSTDCCC050 | VX044540.D | Acetone | SAM | 12/31/2024 6:35:33 AM | MMDadoda | 12/31/2024 6:37:01 AM | Peak Integrated by Software |
| VX1231WBS01 | VX044543.D | 1,2,3-Trichloropropane | SAM | 12/31/2024 6:35:36 AM | MMDadoda | 12/31/2024 6:37:02 AM | Peak Integrated by Software |
| VX1231WBS01 | VX044543.D | 1,4-Dioxane | SAM | 12/31/2024 6:35:36 AM | MMDadoda | 12/31/2024 6:37:02 AM | Peak Integrated by Software |
| VSTDCCC050 | VX044566.D | 1,2,3-Trichloropropane | SAM | 12/31/2024 6:35:41 AM | MMDadoda | 12/31/2024 6:37:07 AM | Peak Integrated by Software |

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Fax : 908 789 8922

**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX121124

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/12/2024 10:00:01 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/12/2024 2:17:22 PM | | |
| SubDirectory | VX121124 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132057 |
| Initial Calibration Stds | VP132059,VP132060,VP132061,VP132062,VP132063,VP132064 |
| CCC | VP132059,VP132134,VP132135,VP132136,VP132137,VP132138,VP132139 |
| Internal Standard/PEM | |
| ICV/I.BLK | VP132065 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX044218.D | 11 Dec 2024 10:13 | JC/MD | Ok |
| 2 | VSTDICC001 | VX044219.D | 11 Dec 2024 10:41 | JC/MD | Ok,M |
| 3 | VSTDICC005 | VX044220.D | 11 Dec 2024 11:27 | JC/MD | Ok,M |
| 4 | VSTDICC020 | VX044221.D | 11 Dec 2024 11:50 | JC/MD | Ok,M |
| 5 | VSTDICCC050 | VX044222.D | 11 Dec 2024 12:14 | JC/MD | Ok,M |
| 6 | VSTDICC100 | VX044223.D | 11 Dec 2024 12:37 | JC/MD | Ok,M |
| 7 | VSTDICC150 | VX044224.D | 11 Dec 2024 13:00 | JC/MD | Ok,M |
| 8 | IBLK | VX044225.D | 11 Dec 2024 13:23 | JC/MD | Ok |
| 9 | VSTDICV050 | VX044226.D | 11 Dec 2024 13:51 | JC/MD | Ok,M |
| 10 | VX1211MBL01 | VX044227.D | 11 Dec 2024 14:28 | JC/MD | Ok |
| 11 | VX1211WBL01 | VX044228.D | 11 Dec 2024 14:51 | JC/MD | Ok |
| 12 | VX1211WBS01 | VX044229.D | 11 Dec 2024 15:42 | JC/MD | Ok,M |
| 13 | VX1211WBSD01 | VX044230.D | 11 Dec 2024 16:08 | JC/MD | Ok,M |
| 14 | IBLK | VX044231.D | 11 Dec 2024 16:31 | JC/MD | Ok |
| 15 | P4368-07 0.2PPB | VX044232.D | 11 Dec 2024 16:54 | JC/MD | Ok,M |
| 16 | P4368-07 0.5PPB | VX044233.D | 11 Dec 2024 17:18 | JC/MD | Ok,M |
| 17 | P4368-07 0.75PPB | VX044234.D | 11 Dec 2024 17:41 | JC/MD | Ok,M |
| 18 | P4368-07 2.5PPB | VX044235.D | 11 Dec 2024 18:04 | JC/MD | Ok,M |
| 19 | P4368-08 1.0PPB | VX044236.D | 11 Dec 2024 18:28 | JC/MD | Ok,M |
| 20 | P4368-08 5.0PPB | VX044237.D | 11 Dec 2024 18:51 | JC/MD | Ok,M |
| 21 | VSTDCCC050 | VX044238.D | 11 Dec 2024 19:14 | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX121824

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/20/2024 10:38:08 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/20/2024 10:51:52 AM | | |
| SubDirectory | VX121824 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132210,VP132216 |
| Initial Calibration Stds | |
| CCC | VP132211,VP132212,VP132217,VP132218 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX044374.D | 18 Dec 2024 08:15 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX044375.D | 18 Dec 2024 11:57 | JC/MD | Ok,M |
| 3 | VX1218MBL01 | VX044376.D | 18 Dec 2024 12:25 | JC/MD | Ok |
| 4 | VX1218WBL01 | VX044377.D | 18 Dec 2024 12:48 | JC/MD | Ok |
| 5 | VX1218WBS01 | VX044378.D | 18 Dec 2024 13:11 | JC/MD | Ok,M |
| 6 | VX1218WBSD01 | VX044379.D | 18 Dec 2024 13:38 | JC/MD | Ok,M |
| 7 | P5261-19DL | VX044380.D | 18 Dec 2024 14:01 | JC/MD | Ok |
| 8 | P5281-04 | VX044381.D | 18 Dec 2024 14:24 | JC/MD | Ok |
| 9 | P5281-08 | VX044382.D | 18 Dec 2024 14:48 | JC/MD | Ok,M |
| 10 | P5281-09 | VX044383.D | 18 Dec 2024 15:11 | JC/MD | Ok |
| 11 | P5280-02 | VX044384.D | 18 Dec 2024 15:34 | JC/MD | Ok |
| 12 | P5280-06 | VX044385.D | 18 Dec 2024 15:58 | JC/MD | Ok |
| 13 | P5280-07 | VX044386.D | 18 Dec 2024 16:21 | JC/MD | Ok |
| 14 | P5280-08 | VX044387.D | 18 Dec 2024 16:45 | JC/MD | Ok |
| 15 | P5281-01 | VX044388.D | 18 Dec 2024 17:08 | JC/MD | Dilution |
| 16 | P5281-02 | VX044389.D | 18 Dec 2024 17:32 | JC/MD | ReRun |
| 17 | P5281-03 | VX044390.D | 18 Dec 2024 17:55 | JC/MD | Ok |
| 18 | P5281-05 | VX044391.D | 18 Dec 2024 18:18 | JC/MD | Ok,M |
| 19 | P5281-06 | VX044392.D | 18 Dec 2024 18:42 | JC/MD | Dilution |
| 20 | P5281-07 | VX044393.D | 18 Dec 2024 19:05 | JC/MD | Ok,M |
| 21 | P5261-12 | VX044394.D | 18 Dec 2024 19:28 | JC/MD | Dilution |

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Fax : 908 789 8922

**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX121824

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/20/2024 10:38:08 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/20/2024 10:51:52 AM | | |
| SubDirectory | VX121824 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132210,VP132216 |
| Initial Calibration Stds | |
| CCC | VP132211,VP132212,VP132217,VP132218 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | VSTDCCC050 | VX044395.D | 18 Dec 2024 19:52 | JC/MD | Ok,M |
| 23 | BFB | VX044396.D | 18 Dec 2024 21:02 | JC/MD | Ok |
| 24 | VSTDCCC050 | VX044397.D | 18 Dec 2024 21:48 | JC/MD | Ok,M |
| 25 | VX1218WBL02 | VX044398.D | 18 Dec 2024 22:59 | JC/MD | Ok |
| 26 | VX1218WBS02 | VX044399.D | 18 Dec 2024 23:22 | JC/MD | Ok,M |
| 27 | VX1218WBSD02 | VX044400.D | 18 Dec 2024 23:45 | JC/MD | Ok,M |
| 28 | P5317-01 | VX044401.D | 19 Dec 2024 00:13 | JC/MD | Ok,M |
| 29 | P5317-02 | VX044402.D | 19 Dec 2024 00:37 | JC/MD | Dilution |
| 30 | P5317-03 | VX044403.D | 19 Dec 2024 01:00 | JC/MD | ReRun |
| 31 | P5317-04 | VX044404.D | 19 Dec 2024 01:24 | JC/MD | Ok |
| 32 | P5317-05 | VX044405.D | 19 Dec 2024 01:47 | JC/MD | Ok |
| 33 | P5317-07 | VX044406.D | 19 Dec 2024 02:10 | JC/MD | Ok |
| 34 | P5317-08 | VX044407.D | 19 Dec 2024 02:34 | JC/MD | Ok |
| 35 | P5317-09 | VX044408.D | 19 Dec 2024 02:57 | JC/MD | Ok |
| 36 | P5317-10 | VX044409.D | 19 Dec 2024 03:21 | JC/MD | Ok |
| 37 | P5317-12 | VX044410.D | 19 Dec 2024 03:44 | JC/MD | Ok |
| 38 | P5317-13 | VX044411.D | 19 Dec 2024 04:07 | JC/MD | Ok |
| 39 | P5317-14 | VX044412.D | 19 Dec 2024 04:31 | JC/MD | Ok |
| 40 | P5317-15 | VX044413.D | 19 Dec 2024 04:54 | JC/MD | Ok |
| 41 | P5317-16 | VX044414.D | 19 Dec 2024 05:17 | JC/MD | Ok |
| 42 | P5317-23 | VX044415.D | 19 Dec 2024 05:41 | JC/MD | Ok |
| 43 | P5317-18 | VX044416.D | 19 Dec 2024 06:04 | JC/MD | Dilution |
| 44 | P5317-19MS | VX044417.D | 19 Dec 2024 06:28 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX121824

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/20/2024 10:38:08 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/20/2024 10:51:52 AM | | |
| SubDirectory | VX121824 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132210,VP132216 |
| Initial Calibration Stds | |
| CCC | VP132211,VP132212,VP132217,VP132218 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | P5317-20MSD | VX044418.D | 19 Dec 2024 06:51 | JC/MD | Ok,M |
| 46 | VSTDCCC050 | VX044419.D | 19 Dec 2024 07:14 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX122024

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 12/23/2024 7:24:21 AM | | |
| Supervise By | John Carlone | Supervise On | 12/23/2024 9:05:17 AM | | |
| SubDirectory | VX122024 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132253 |
| Initial Calibration Stds | |
| CCC | VP132254,VP132255 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX044437.D | 20 Dec 2024 08:49 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX044438.D | 20 Dec 2024 09:16 | JC/MD | Ok,M |
| 3 | VX1220MBL01 | VX044439.D | 20 Dec 2024 10:00 | JC/MD | Ok |
| 4 | VX1220WBL01 | VX044440.D | 20 Dec 2024 10:23 | JC/MD | Ok |
| 5 | VX1220WBS01 | VX044441.D | 20 Dec 2024 10:46 | JC/MD | Ok,M |
| 6 | VX1220WBSD01 | VX044442.D | 20 Dec 2024 11:16 | JC/MD | Ok,M |
| 7 | P5261-12DL | VX044443.D | 20 Dec 2024 11:39 | JC/MD | Ok |
| 8 | P5281-01DL | VX044444.D | 20 Dec 2024 12:03 | JC/MD | Ok |
| 9 | P5314-01 | VX044445.D | 20 Dec 2024 12:26 | JC/MD | Ok |
| 10 | P5314-03 | VX044446.D | 20 Dec 2024 12:49 | JC/MD | Ok |
| 11 | P5314-02 | VX044447.D | 20 Dec 2024 13:13 | JC/MD | Dilution |
| 12 | P5314-04 | VX044448.D | 20 Dec 2024 13:36 | JC/MD | ReRun |
| 13 | P5314-02DL | VX044449.D | 20 Dec 2024 13:59 | JC/MD | Ok,M |
| 14 | P5317-02DL | VX044450.D | 20 Dec 2024 14:23 | JC/MD | Ok |
| 15 | P5281-02 | VX044451.D | 20 Dec 2024 14:46 | JC/MD | Ok |
| 16 | P5317-03 | VX044452.D | 20 Dec 2024 15:09 | JC/MD | Ok,M |
| 17 | P5356-01 | VX044453.D | 20 Dec 2024 15:33 | JC/MD | Ok |
| 18 | P5314-04 | VX044454.D | 20 Dec 2024 15:56 | JC/MD | Ok |
| 19 | P5281-06DL | VX044455.D | 20 Dec 2024 16:19 | JC/MD | Ok |
| 20 | P5330-04 | VX044456.D | 20 Dec 2024 16:43 | JC/MD | Ok |
| 21 | PB165734TB | VX044457.D | 20 Dec 2024 17:06 | JC/MD | Ok |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX122024

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 12/23/2024 7:24:21 AM | | |
| Supervise By | John Carlone | Supervise On | 12/23/2024 9:05:17 AM | | |
| SubDirectory | VX122024 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132253 |
| Initial Calibration Stds | |
| CCC | VP132254,VP132255 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | P5280-03 | VX044458.D | 20 Dec 2024 17:30 | JC/MD | Ok |
| 23 | P5280-04MS | VX044459.D | 20 Dec 2024 17:53 | JC/MD | Ok,M |
| 24 | P5280-05MSD | VX044460.D | 20 Dec 2024 18:16 | JC/MD | Ok,M |
| 25 | P5261-13MS | VX044461.D | 20 Dec 2024 18:39 | JC/MD | Ok,M |
| 26 | P5261-14MSD | VX044462.D | 20 Dec 2024 19:03 | JC/MD | Ok,M |
| 27 | P5355-02 | VX044463.D | 20 Dec 2024 19:26 | JC/MD | Ok |
| 28 | VSTDCCC050 | VX044464.D | 20 Dec 2024 19:49 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX122324

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/26/2024 9:50:43 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/26/2024 12:30:48 PM | | |
| SubDirectory | VX122324 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132281 |
| Initial Calibration Stds | |
| CCC | VP132282,VP132283 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX044465.D | 23 Dec 2024 08:19 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX044466.D | 23 Dec 2024 08:49 | JC/MD | Ok,M |
| 3 | VX1223MBL01 | VX044467.D | 23 Dec 2024 09:23 | JC/MD | Ok |
| 4 | VX1223WBL01 | VX044468.D | 23 Dec 2024 09:46 | JC/MD | Ok |
| 5 | VX1223WBS01 | VX044469.D | 23 Dec 2024 11:04 | JC/MD | ReRun |
| 6 | P5317-06 | VX044470.D | 23 Dec 2024 11:27 | JC/MD | Not Ok |
| 7 | P5317-11 | VX044471.D | 23 Dec 2024 11:50 | JC/MD | Not Ok |
| 8 | P5317-17 | VX044472.D | 23 Dec 2024 12:12 | JC/MD | Not Ok |
| 9 | P5317-21 | VX044473.D | 23 Dec 2024 12:35 | JC/MD | Not Ok |
| 10 | P5317-22 | VX044474.D | 23 Dec 2024 12:58 | JC/MD | Not Ok |
| 11 | P5317-24 | VX044475.D | 23 Dec 2024 13:21 | JC/MD | ReRun |
| 12 | P5317-25 | VX044476.D | 23 Dec 2024 13:43 | JC/MD | ReRun |
| 13 | VX1223WBS02 | VX044477.D | 23 Dec 2024 14:06 | JC/MD | Not Ok |
| 14 | P5374-03 | VX044478.D | 23 Dec 2024 14:29 | JC/MD | Ok |
| 15 | P5374-01 | VX044479.D | 23 Dec 2024 14:52 | JC/MD | Ok |
| 16 | P5374-02 | VX044480.D | 23 Dec 2024 15:15 | JC/MD | Ok |
| 17 | P5374-04 | VX044481.D | 23 Dec 2024 15:38 | JC/MD | Ok |
| 18 | P5374-05MS | VX044482.D | 23 Dec 2024 16:00 | JC/MD | Ok,M |
| 19 | P5374-06MSD | VX044483.D | 23 Dec 2024 16:23 | JC/MD | Ok,M |
| 20 | VX1223WBS03 | VX044484.D | 23 Dec 2024 16:46 | JC/MD | Ok,M |
| 21 | P5317-21 | VX044485.D | 23 Dec 2024 17:09 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX122324

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/26/2024 9:50:43 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/26/2024 12:30:48 PM | | |
| SubDirectory | VX122324 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132281 |
| Initial Calibration Stds | |
| CCC | VP132282,VP132283 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | P5317-22 | VX044486.D | 23 Dec 2024 17:31 | JC/MD | Ok |
| 23 | P5317-06 | VX044487.D | 23 Dec 2024 17:54 | JC/MD | Ok,M |
| 24 | P5317-11 | VX044488.D | 23 Dec 2024 18:17 | JC/MD | Ok |
| 25 | P5317-17 | VX044489.D | 23 Dec 2024 18:40 | JC/MD | Ok |
| 26 | P5317-24 | VX044490.D | 23 Dec 2024 19:03 | JC/MD | Ok |
| 27 | P5317-25 | VX044491.D | 23 Dec 2024 19:26 | JC/MD | Ok,M |
| 28 | VSTDCCC050 | VX044492.D | 23 Dec 2024 19:49 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX123124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 12/31/2024 6:41:15 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/31/2024 6:42:18 AM | | |
| SubDirectory | VX123124 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132381 |
| Initial Calibration Stds | |
| CCC | VP132382,VP132383 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX044539.D | 30 Dec 2024 12:39 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX044540.D | 30 Dec 2024 13:07 | JC/MD | Ok,M |
| 3 | VX1231MBL01 | VX044541.D | 30 Dec 2024 14:03 | JC/MD | Ok |
| 4 | VX1231WBL01 | VX044542.D | 30 Dec 2024 14:26 | JC/MD | Ok |
| 5 | VX1231WBS01 | VX044543.D | 30 Dec 2024 14:54 | JC/MD | Ok,M |
| 6 | VX1231WBSD01 | VX044544.D | 30 Dec 2024 15:21 | JC/MD | Ok,M |
| 7 | P5317-18DL | VX044545.D | 30 Dec 2024 15:45 | JC/MD | Ok |
| 8 | P5376-03 | VX044546.D | 30 Dec 2024 16:08 | JC/MD | Ok |
| 9 | P5376-05 | VX044547.D | 30 Dec 2024 16:32 | JC/MD | Not Ok |
| 10 | P5376-20 | VX044548.D | 30 Dec 2024 16:55 | JC/MD | ReRun |
| 11 | P5376-21 | VX044549.D | 30 Dec 2024 17:18 | JC/MD | Ok |
| 12 | P5376-01 | VX044550.D | 30 Dec 2024 17:41 | JC/MD | Ok |
| 13 | P5376-02 | VX044551.D | 30 Dec 2024 18:05 | JC/MD | Ok |
| 14 | P5376-04 | VX044552.D | 30 Dec 2024 18:28 | JC/MD | Ok |
| 15 | P5376-06 | VX044553.D | 30 Dec 2024 18:51 | JC/MD | Ok |
| 16 | P5376-10 | VX044554.D | 30 Dec 2024 19:14 | JC/MD | Ok |
| 17 | P5376-11 | VX044555.D | 30 Dec 2024 19:38 | JC/MD | Ok |
| 18 | P5376-12 | VX044556.D | 30 Dec 2024 20:01 | JC/MD | Ok |
| 19 | P5376-13 | VX044557.D | 30 Dec 2024 20:24 | JC/MD | Ok |
| 20 | P5376-14 | VX044558.D | 30 Dec 2024 20:48 | JC/MD | Ok |
| 21 | P5376-15 | VX044559.D | 30 Dec 2024 21:11 | JC/MD | Ok |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX123124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 12/31/2024 6:41:15 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/31/2024 6:42:18 AM | | |
| SubDirectory | VX123124 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132381 |
| Initial Calibration Stds | |
| CCC | VP132382,VP132383 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | P5376-16 | VX044560.D | 30 Dec 2024 21:34 | JC/MD | Ok |
| 23 | P5376-17 | VX044561.D | 30 Dec 2024 21:58 | JC/MD | Ok |
| 24 | P5376-18 | VX044562.D | 30 Dec 2024 22:21 | JC/MD | Ok |
| 25 | P5376-07 | VX044563.D | 30 Dec 2024 22:44 | JC/MD | Ok |
| 26 | P5376-08MS | VX044564.D | 30 Dec 2024 23:08 | JC/MD | Ok,M |
| 27 | P5376-09MSD | VX044565.D | 30 Dec 2024 23:31 | JC/MD | Ok,M |
| 28 | VSTDCCC050 | VX044566.D | 30 Dec 2024 23:54 | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX121124

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/12/2024 10:00:01 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/12/2024 2:17:22 PM | | |
| SubDirectory | VX121124 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132057 |
| Initial Calibration Stds | VP132059,VP132060,VP132061,VP132062,VP132063,VP132064 |
| CCC | VP132059,VP132134,VP132135,VP132136,VP132137,VP132138,VP132139 |
| Internal Standard/PEM | |
| ICV/I.BLK | VP132065 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX044218.D | 11 Dec 2024 10:13 | | JC/MD | Ok |
| 2 | VSTDICC001 | VSTDICC001 | VX044219.D | 11 Dec 2024 10:41 | | JC/MD | Ok,M |
| 3 | VSTDICC005 | VSTDICC005 | VX044220.D | 11 Dec 2024 11:27 | | JC/MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VX044221.D | 11 Dec 2024 11:50 | | JC/MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VX044222.D | 11 Dec 2024 12:14 | | JC/MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VX044223.D | 11 Dec 2024 12:37 | | JC/MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VX044224.D | 11 Dec 2024 13:00 | | JC/MD | Ok,M |
| 8 | IBLK | IBLK | VX044225.D | 11 Dec 2024 13:23 | | JC/MD | Ok |
| 9 | VSTDICV050 | ICVVX121124 | VX044226.D | 11 Dec 2024 13:51 | | JC/MD | Ok,M |
| 10 | VX1211MBL01 | VX1211MBL01 | VX044227.D | 11 Dec 2024 14:28 | | JC/MD | Ok |
| 11 | VX1211WBL01 | VX1211WBL01 | VX044228.D | 11 Dec 2024 14:51 | | JC/MD | Ok |
| 12 | VX1211WBS01 | VX1211WBS01 | VX044229.D | 11 Dec 2024 15:42 | | JC/MD | Ok,M |
| 13 | VX1211WBSD01 | VX1211WBSD01 | VX044230.D | 11 Dec 2024 16:08 | | JC/MD | Ok,M |
| 14 | IBLK | IBLK | VX044231.D | 11 Dec 2024 16:31 | | JC/MD | Ok |
| 15 | P4368-07 0.2PPB | LOD-MDL-WATER-01-( | VX044232.D | 11 Dec 2024 16:54 | | JC/MD | Ok,M |
| 16 | P4368-07 0.5PPB | LOD-MDL-WATER-01-( | VX044233.D | 11 Dec 2024 17:18 | | JC/MD | Ok,M |
| 17 | P4368-07 0.75PPB | LOD-MDL-WATER-01-( | VX044234.D | 11 Dec 2024 17:41 | | JC/MD | Ok,M |
| 18 | P4368-07 2.5PPB | LOD-MDL-WATER-01-( | VX044235.D | 11 Dec 2024 18:04 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX121124

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/12/2024 10:00:01 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/12/2024 2:17:22 PM | | |
| SubDirectory | VX121124 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132057 |
| Initial Calibration Stds | VP132059,VP132060,VP132061,VP132062,VP132063,VP132064 |
| CCC | VP132059,VP132134,VP132135,VP132136,VP132137,VP132138,VP132139 |
| Internal Standard/PEM | |
| ICV/I.BLK | VP132065 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | P4368-08 1.0PPB | LOQ-WATER-02-QT4-2 | VX044236.D | 11 Dec 2024 18:28 | | JC/MD | Ok,M |
| 20 | P4368-08 5.0PPB | LOQ-WATER-02-QT4-2 | VX044237.D | 11 Dec 2024 18:51 | | JC/MD | Ok,M |
| 21 | VSTDCCC050 | VSTDCCC050EC | VX044238.D | 11 Dec 2024 19:14 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX121824

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/20/2024 10:38:08 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/20/2024 10:51:52 AM | | |
| SubDirectory | VX121824 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132210,VP132216 |
| Initial Calibration Stds | |
| CCC | VP132211,VP132212,VP132217,VP132218 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX044374.D | 18 Dec 2024 08:15 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX044375.D | 18 Dec 2024 11:57 | V13516 | JC/MD | Ok,M |
| 3 | VX1218MBL01 | VX1218MBL01 | VX044376.D | 18 Dec 2024 12:25 | | JC/MD | Ok |
| 4 | VX1218WBL01 | VX1218WBL01 | VX044377.D | 18 Dec 2024 12:48 | | JC/MD | Ok |
| 5 | VX1218WBS01 | VX1218WBS01 | VX044378.D | 18 Dec 2024 13:11 | | JC/MD | Ok,M |
| 6 | VX1218WBSD01 | VX1218WBSD01 | VX044379.D | 18 Dec 2024 13:38 | | JC/MD | Ok,M |
| 7 | P5261-19DL | RE120D3-20241210DL | VX044380.D | 18 Dec 2024 14:01 | vial B pH<2 | JC/MD | Ok |
| 8 | P5281-04 | TT101D2-20241212 | VX044381.D | 18 Dec 2024 14:24 | vial A pH<2 | JC/MD | Ok |
| 9 | P5281-08 | FB02-20241213 | VX044382.D | 18 Dec 2024 14:48 | vial A pH<2 FB | JC/MD | Ok,M |
| 10 | P5281-09 | TB | VX044383.D | 18 Dec 2024 15:11 | vial A pH<2 TB | JC/MD | Ok |
| 11 | P5280-02 | BPOW6-8-20241212 | VX044384.D | 18 Dec 2024 15:34 | vial A pH<2 | JC/MD | Ok |
| 12 | P5280-06 | BPOW6-9-20241212 | VX044385.D | 18 Dec 2024 15:58 | vial A pH<2 | JC/MD | Ok |
| 13 | P5280-07 | BPOW6-10-20241212 | VX044386.D | 18 Dec 2024 16:21 | vial A pH<2 | JC/MD | Ok |
| 14 | P5280-08 | DUP-03-20241212 | VX044387.D | 18 Dec 2024 16:45 | vial A pH<2 | JC/MD | Ok |
| 15 | P5281-01 | RE114D1-20241212 | VX044388.D | 18 Dec 2024 17:08 | vial A pH<2 Need 10X | JC/MD | Dilution |
| 16 | P5281-02 | BPOW1-7-20241212 | VX044389.D | 18 Dec 2024 17:32 | vial A pH<2 E Flag in Previous Sample | JC/MD | ReRun |
| 17 | P5281-03 | BPOW1-8-20241212 | VX044390.D | 18 Dec 2024 17:55 | vial A pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX121824

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/20/2024 10:38:08 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/20/2024 10:51:52 AM | | |
| SubDirectory | VX121824 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132210,VP132216 |
| Initial Calibration Stds | |
| CCC | VP132211,VP132212,VP132217,VP132218 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | P5281-05 | RE117D1-20241213 | VX044391.D | 18 Dec 2024 18:18 | vial A pH<2 | JC/MD | Ok,M |
| 19 | P5281-06 | RE115D1-20241213 | VX044392.D | 18 Dec 2024 18:42 | vial A pH<2 Need 20X | JC/MD | Dilution |
| 20 | P5281-07 | TT189D2-20241213 | VX044393.D | 18 Dec 2024 19:05 | vial A pH<2 | JC/MD | Ok,M |
| 21 | P5261-12 | RE125D1-20241210 | VX044394.D | 18 Dec 2024 19:28 | vial A pH<2 Need 5X | JC/MD | Dilution |
| 22 | VSTDCCC050 | VSTDCCC050EC | VX044395.D | 18 Dec 2024 19:52 | | JC/MD | Ok,M |
| 23 | BFB | BFB | VX044396.D | 18 Dec 2024 21:02 | | JC/MD | Ok |
| 24 | VSTDCCC050 | VSTDCCC050 | VX044397.D | 18 Dec 2024 21:48 | | JC/MD | Ok,M |
| 25 | VX1218WBL02 | VX1218WBL02 | VX044398.D | 18 Dec 2024 22:59 | | JC/MD | Ok |
| 26 | VX1218WBS02 | VX1218WBS02 | VX044399.D | 18 Dec 2024 23:22 | | JC/MD | Ok,M |
| 27 | VX1218WBSD02 | VX1218WBSD02 | VX044400.D | 18 Dec 2024 23:45 | | JC/MD | Ok,M |
| 28 | P5317-01 | RE114D2-20241216 | VX044401.D | 19 Dec 2024 00:13 | vial A pH<2 | JC/MD | Ok,M |
| 29 | P5317-02 | RW4-20241216 | VX044402.D | 19 Dec 2024 00:37 | vial A pH<2 Need 20X | JC/MD | Dilution |
| 30 | P5317-03 | TT191D1-20241216 | VX044403.D | 19 Dec 2024 01:00 | vial A pH<2 E Flag in Previous Sample | JC/MD | ReRun |
| 31 | P5317-04 | TT191D2-20241216 | VX044404.D | 19 Dec 2024 01:24 | vial A pH<2 | JC/MD | Ok |
| 32 | P5317-05 | TT163S1-20241216 | VX044405.D | 19 Dec 2024 01:47 | vial A pH<2 | JC/MD | Ok |
| 33 | P5317-07 | RW8-MW01S-2024121 | VX044406.D | 19 Dec 2024 02:10 | vial A pH<2 | JC/MD | Ok |
| 34 | P5317-08 | RW8-MW01D1-202412 | VX044407.D | 19 Dec 2024 02:34 | vial A pH<2 | JC/MD | Ok |
| 35 | P5317-09 | TT158S1-20241217 | VX044408.D | 19 Dec 2024 02:57 | vial A pH<2 | JC/MD | Ok |
| 36 | P5317-10 | TT158I1-20241217 | VX044409.D | 19 Dec 2024 03:21 | vial A pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX121824

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/20/2024 10:38:08 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/20/2024 10:51:52 AM | | |
| SubDirectory | VX121824 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132210,VP132216 |
| Initial Calibration Stds | |
| CCC | VP132211,VP132212,VP132217,VP132218 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 37 | P5317-12 | TT172S1-20241217 | VX044410.D | 19 Dec 2024 03:44 | vial A pH<2 | JC/MD | Ok |
| 38 | P5317-13 | RW9-MW01S-2024121 | VX044411.D | 19 Dec 2024 04:07 | vial A pH<2 | JC/MD | Ok |
| 39 | P5317-14 | RW9-MW01D1-202412 | VX044412.D | 19 Dec 2024 04:31 | vial A pH<2 | JC/MD | Ok |
| 40 | P5317-15 | RW9-MW01D2-202412 | VX044413.D | 19 Dec 2024 04:54 | vial A pH<2 | JC/MD | Ok |
| 41 | P5317-16 | RW9-MW01D3-202412 | VX044414.D | 19 Dec 2024 05:17 | vial A pH<2 | JC/MD | Ok |
| 42 | P5317-23 | TB | VX044415.D | 19 Dec 2024 05:41 | vial A pH<2 TB | JC/MD | Ok |
| 43 | P5317-18 | RE132D5-20241217 | VX044416.D | 19 Dec 2024 06:04 | vial A pH<2 Need 4X | JC/MD | Dilution |
| 44 | P5317-19MS | RE132D5-20241217MS | VX044417.D | 19 Dec 2024 06:28 | vial A pH<2 | JC/MD | Ok,M |
| 45 | P5317-20MSD | RE132D5-20241217MS | VX044418.D | 19 Dec 2024 06:51 | vial A pH<2 | JC/MD | Ok,M |
| 46 | VSTDCCC050 | VSTDCCC050EC | VX044419.D | 19 Dec 2024 07:14 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX122024

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 12/23/2024 7:24:21 AM | | |
| Supervise By | John Carlone | Supervise On | 12/23/2024 9:05:17 AM | | |
| SubDirectory | VX122024 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132253 |
| Initial Calibration Stds | |
| CCC | VP132254,VP132255 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX044437.D | 20 Dec 2024 08:49 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX044438.D | 20 Dec 2024 09:16 | V13516 | JC/MD | Ok,M |
| 3 | VX1220MBL01 | VX1220MBL01 | VX044439.D | 20 Dec 2024 10:00 | | JC/MD | Ok |
| 4 | VX1220WBL01 | VX1220WBL01 | VX044440.D | 20 Dec 2024 10:23 | | JC/MD | Ok |
| 5 | VX1220WBS01 | VX1220WBS01 | VX044441.D | 20 Dec 2024 10:46 | | JC/MD | Ok,M |
| 6 | VX1220WBSD01 | VX1220WBSD01 | VX044442.D | 20 Dec 2024 11:16 | | JC/MD | Ok,M |
| 7 | P5261-12DL | RE125D1-20241210DL | VX044443.D | 20 Dec 2024 11:39 | vial B pH<2 | JC/MD | Ok |
| 8 | P5281-01DL | RE114D1-20241212DL | VX044444.D | 20 Dec 2024 12:03 | vial B pH<2 | JC/MD | Ok |
| 9 | P5314-01 | BP-VPB-190A-TB-2024 | VX044445.D | 20 Dec 2024 12:26 | vial A pH<2 | JC/MD | Ok |
| 10 | P5314-03 | BP-VPB-190A-GW-698 | VX044446.D | 20 Dec 2024 12:49 | vial A +B pH<2 | JC/MD | Ok |
| 11 | P5314-02 | BP-VPB-190A-GW-678 | VX044447.D | 20 Dec 2024 13:13 | vial A pH<2 Needs 5x dilution | JC/MD | Dilution |
| 12 | P5314-04 | VPB190A-HYD-202412 | VX044448.D | 20 Dec 2024 13:36 | vial A pH<2 Carryover | JC/MD | ReRun |
| 13 | P5314-02DL | BP-VPB-190A-GW-678 | VX044449.D | 20 Dec 2024 13:59 | vial B pH<2 | JC/MD | Ok,M |
| 14 | P5317-02DL | RW4-20241216DL | VX044450.D | 20 Dec 2024 14:23 | vial B pH<2 | JC/MD | Ok |
| 15 | P5281-02 | BPOW1-7-20241212 | VX044451.D | 20 Dec 2024 14:46 | vial B pH<2 | JC/MD | Ok |
| 16 | P5317-03 | TT191D1-20241216 | VX044452.D | 20 Dec 2024 15:09 | vial B pH<2 | JC/MD | Ok,M |
| 17 | P5356-01 | STAND-PIPE | VX044453.D | 20 Dec 2024 15:33 | vial A pH<2 | JC/MD | Ok |
| 18 | P5314-04 | VPB190A-HYD-202412 | VX044454.D | 20 Dec 2024 15:56 | vial B pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX122024

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 12/23/2024 7:24:21 AM | | |
| Supervise By | John Carlone | Supervise On | 12/23/2024 9:05:17 AM | | |
| SubDirectory | VX122024 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132253 |
| Initial Calibration Stds | |
| CCC | VP132254,VP132255 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | P5281-06DL | RE115D1-20241213DL | VX044455.D | 20 Dec 2024 16:19 | vial B pH<2 | JC/MD | Ok |
| 20 | P5330-04 | TP-5 | VX044456.D | 20 Dec 2024 16:43 | vial A pH#5.0 | JC/MD | Ok |
| 21 | PB165734TB | PB165734TB | VX044457.D | 20 Dec 2024 17:06 | | JC/MD | Ok |
| 22 | P5280-03 | BPOW6-11-20241212 | VX044458.D | 20 Dec 2024 17:30 | vial A pH<2 | JC/MD | Ok |
| 23 | P5280-04MS | BPOW6-11-20241212M | VX044459.D | 20 Dec 2024 17:53 | vial A pH<2 | JC/MD | Ok,M |
| 24 | P5280-05MSD | BPOW6-11-20241212M | VX044460.D | 20 Dec 2024 18:16 | vial A pH<2 | JC/MD | Ok,M |
| 25 | P5261-13MS | RE125D1-20241210MS | VX044461.D | 20 Dec 2024 18:39 | vial A pH<2 | JC/MD | Ok,M |
| 26 | P5261-14MSD | RE125D1-20241210MS | VX044462.D | 20 Dec 2024 19:03 | vial A pH<2 | JC/MD | Ok,M |
| 27 | P5355-02 | RBR251688 | VX044463.D | 20 Dec 2024 19:26 | vial A pH#5.0 | JC/MD | Ok |
| 28 | VSTDCCC050 | VSTDCCC050EC | VX044464.D | 20 Dec 2024 19:49 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX122324

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/26/2024 9:50:43 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/26/2024 12:30:48 PM | | |
| SubDirectory | VX122324 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132281 |
| Initial Calibration Stds | |
| CCC | VP132282,VP132283 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX044465.D | 23 Dec 2024 08:19 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX044466.D | 23 Dec 2024 08:49 | V13516 | JC/MD | Ok,M |
| 3 | VX1223MBL01 | VX1223MBL01 | VX044467.D | 23 Dec 2024 09:23 | | JC/MD | Ok |
| 4 | VX1223WBL01 | VX1223WBL01 | VX044468.D | 23 Dec 2024 09:46 | | JC/MD | Ok |
| 5 | VX1223WBS01 | VX1223WBS01 | VX044469.D | 23 Dec 2024 11:04 | Bromochloromethane low | JC/MD | ReRun |
| 6 | P5317-06 | DUP-04-20241216 | VX044470.D | 23 Dec 2024 11:27 | Need straight run; Surrogate fail | JC/MD | Not Ok |
| 7 | P5317-11 | DUP-05-20241217 | VX044471.D | 23 Dec 2024 11:50 | Need straight run; Surrogate fail | JC/MD | Not Ok |
| 8 | P5317-17 | DUP-06-20241217 | VX044472.D | 23 Dec 2024 12:12 | Need straight run; Surrogate fail | JC/MD | Not Ok |
| 9 | P5317-21 | RE132D6-20241217 | VX044473.D | 23 Dec 2024 12:35 | Run @ lower dilution; Surrogate fail | JC/MD | Not Ok |
| 10 | P5317-22 | RE132D7-20241217 | VX044474.D | 23 Dec 2024 12:58 | Run @ lower dilution; Surrogate fail | JC/MD | Not Ok |
| 11 | P5317-24 | RW8-MW01D2-202412 | VX044475.D | 23 Dec 2024 13:21 | vial A pH<2 Surrogate fail | JC/MD | ReRun |
| 12 | P5317-25 | RW8-MW01D3-202412 | VX044476.D | 23 Dec 2024 13:43 | vial A pH<2 Surrogate fail | JC/MD | ReRun |
| 13 | VX1223WBS02 | VX1223WBS02 | VX044477.D | 23 Dec 2024 14:06 | Surrogate fail | JC/MD | Not Ok |
| 14 | P5374-03 | BP-VPB-190A-GW-718 | VX044478.D | 23 Dec 2024 14:29 | vial A pH<2 | JC/MD | Ok |
| 15 | P5374-01 | BP-VPB-190A-TB-2024 | VX044479.D | 23 Dec 2024 14:52 | vial A pH<2 | JC/MD | Ok |
| 16 | P5374-02 | BP-VPB-190A-EB-2024 | VX044480.D | 23 Dec 2024 15:15 | vial A pH<2 | JC/MD | Ok |
| 17 | P5374-04 | BP-VPB-190A-GW-748 | VX044481.D | 23 Dec 2024 15:38 | vial A pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX122324

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 12/26/2024 9:50:43 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/26/2024 12:30:48 PM | | |
| SubDirectory | VX122324 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132281 |
| Initial Calibration Stds | |
| CCC | VP132282,VP132283 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | P5374-05MS | BP-VPB-190A-GW-745 | VX044482.D | 23 Dec 2024 16:00 | vial A pH<2 | JC/MD | Ok,M |
| 19 | P5374-06MSD | BP-VPB-190A-GW-745 | VX044483.D | 23 Dec 2024 16:23 | vial A pH<2 | JC/MD | Ok,M |
| 20 | VX1223WBS03 | VX1223WBS03 | VX044484.D | 23 Dec 2024 16:46 | | JC/MD | Ok,M |
| 21 | P5317-21 | RE132D6-20241217 | VX044485.D | 23 Dec 2024 17:09 | vial A pH<2 | JC/MD | Ok,M |
| 22 | P5317-22 | RE132D7-20241217 | VX044486.D | 23 Dec 2024 17:31 | vial A pH<2 | JC/MD | Ok |
| 23 | P5317-06 | DUP-04-20241216 | VX044487.D | 23 Dec 2024 17:54 | vial A pH<2 | JC/MD | Ok,M |
| 24 | P5317-11 | DUP-05-20241217 | VX044488.D | 23 Dec 2024 18:17 | vial A pH<2 | JC/MD | Ok |
| 25 | P5317-17 | DUP-06-20241217 | VX044489.D | 23 Dec 2024 18:40 | vial A pH<2 | JC/MD | Ok |
| 26 | P5317-24 | RW8-MW01D2-202412 | VX044490.D | 23 Dec 2024 19:03 | vial B pH<2 | JC/MD | Ok |
| 27 | P5317-25 | RW8-MW01D3-202412 | VX044491.D | 23 Dec 2024 19:26 | vial B pH<2 | JC/MD | Ok,M |
| 28 | VSTDCCC050 | VSTDCCC050EC | VX044492.D | 23 Dec 2024 19:49 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX123124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 12/31/2024 6:41:15 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/31/2024 6:42:18 AM | | |
| SubDirectory | VX123124 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132381 |
| Initial Calibration Stds | |
| CCC | VP132382,VP132383 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX044539.D | 30 Dec 2024 12:39 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX044540.D | 30 Dec 2024 13:07 | | JC/MD | Ok,M |
| 3 | VX1231MBL01 | VX1231MBL01 | VX044541.D | 30 Dec 2024 14:03 | | JC/MD | Ok |
| 4 | VX1231WBL01 | VX1231WBL01 | VX044542.D | 30 Dec 2024 14:26 | | JC/MD | Ok |
| 5 | VX1231WBS01 | VX1231WBS01 | VX044543.D | 30 Dec 2024 14:54 | | JC/MD | Ok,M |
| 6 | VX1231WBSD01 | VX1231WBSD01 | VX044544.D | 30 Dec 2024 15:21 | | JC/MD | Ok,M |
| 7 | P5317-18DL | RE132D5-20241217DL | VX044545.D | 30 Dec 2024 15:45 | | JC/MD | Ok |
| 8 | P5376-03 | RE115D2-20241218 | VX044546.D | 30 Dec 2024 16:08 | | JC/MD | Ok |
| 9 | P5376-05 | DUP-07-20241218 | VX044547.D | 30 Dec 2024 16:32 | Need straight run | JC/MD | Not Ok |
| 10 | P5376-20 | FB03-20241219 | VX044548.D | 30 Dec 2024 16:55 | FB; Hit of comp #30 | JC/MD | ReRun |
| 11 | P5376-21 | TB | VX044549.D | 30 Dec 2024 17:18 | TB | JC/MD | Ok |
| 12 | P5376-01 | TT205S1-20241218 | VX044550.D | 30 Dec 2024 17:41 | | JC/MD | Ok |
| 13 | P5376-02 | TT150S1-20241218 | VX044551.D | 30 Dec 2024 18:05 | | JC/MD | Ok |
| 14 | P5376-04 | TT149S1-20241218 | VX044552.D | 30 Dec 2024 18:28 | | JC/MD | Ok |
| 15 | P5376-06 | TT174I1-20241218 | VX044553.D | 30 Dec 2024 18:51 | | JC/MD | Ok |
| 16 | P5376-10 | RW10-MW01D-202412 | VX044554.D | 30 Dec 2024 19:14 | | JC/MD | Ok |
| 17 | P5376-11 | RW10A-MW01S-20241 | VX044555.D | 30 Dec 2024 19:38 | | JC/MD | Ok |
| 18 | P5376-12 | RW10A-MW01I-202412 | VX044556.D | 30 Dec 2024 20:01 | | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX123124

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 12/31/2024 6:41:15 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 12/31/2024 6:42:18 AM | | |
| SubDirectory | VX123124 | HP Acquire Method | | HP Processing Method | 82X121124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132381 |
| Initial Calibration Stds | |
| CCC | VP132382,VP132383 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | P5376-13 | RE117D2-20241218 | VX044557.D | 30 Dec 2024 20:24 | | JC/MD | Ok |
| 20 | P5376-14 | TT161S1-20241219 | VX044558.D | 30 Dec 2024 20:48 | | JC/MD | Ok |
| 21 | P5376-15 | TT162S1-20241219 | VX044559.D | 30 Dec 2024 21:11 | | JC/MD | Ok |
| 22 | P5376-16 | RW11-MW01S-202412 | VX044560.D | 30 Dec 2024 21:34 | | JC/MD | Ok |
| 23 | P5376-17 | RW11-MW01I-2024121 | VX044561.D | 30 Dec 2024 21:58 | | JC/MD | Ok |
| 24 | P5376-18 | TT119S1-20241219 | VX044562.D | 30 Dec 2024 22:21 | | JC/MD | Ok |
| 25 | P5376-07 | RW10-MW01S-202412 | VX044563.D | 30 Dec 2024 22:44 | | JC/MD | Ok |
| 26 | P5376-08MS | RW10-MW01S-202412 | VX044564.D | 30 Dec 2024 23:08 | | JC/MD | Ok,M |
| 27 | P5376-09MSD | RW10-MW01S-202412 | VX044565.D | 30 Dec 2024 23:31 | | JC/MD | Ok,M |
| 28 | VSTDCCC050 | VSTDCCC050EC | VX044566.D | 30 Dec 2024 23:54 | | JC/MD | Ok,M |

M : Manual Integration

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# Prep Standard - Chemical Standard Summary

**Order ID :** P5317

**Test :** VOCMS Group1

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** VX121824,VX122024,VX122324,VX123124,

**Standard ID :**
VP130430,VP131746,VP131767,VP131987,VP132005,VP132035,VP132096,VP132210,VP132211,VP132212,VP132216,VP132217,VP132218,VP132253,VP132254,VP132255,VP132281,VP132282,VP132283,VP132381,VP132382,VP132383,

**Chemical ID :**
V13391,V13445,V13457,V13460,V13465,V13466,V13707,V13806,V14020,V14021,V14105,V14106,V14145,V14152,V14154,V14173,V14174,V14192,V14194,V14201,V14289,V14434,V14437,V14614,V14630,V14631,V14632,V14633,V14650,V14651,V14652,W3112,

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 617 | 8260 Surrogate, 400PPM | VP130430 | 09/20/2024 | 02/28/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 09/26/2024 |

**FROM** 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 247 | 8260 Internal Standard, 250PPM | VP131746 | 11/22/2024 | 05/18/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 218 | BFB, 25PPM | VP131767 | 11/22/2024 | 05/18/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 11/27/2024 |

**FROM** 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 51 | 8260 Working STD (Acrolein) -first source, 800PPM | VP131987 | 12/06/2024 | 01/05/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 12/12/2024 |

**FROM** 1.00000ml of V14652 + 1.50000ml of V14650 + 1.50000ml of V14651 + 21.00000ml of V14152 = Final Quantity: 25.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 257 | 8260 Calibration Working STD Mix-First source, 160PPM | VP132005 | 12/09/2024 | 01/18/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 12/12/2024 |

**FROM** 0.40000ml of V13445 + 1.00000ml of V13806 + 1.00000ml of V14020 + 1.00000ml of V14021 + 1.00000ml of V14105 + 1.00000ml of V14106 + 1.00000ml of V14173 + 1.00000ml of V14174 + 1.00000ml of V14194 + 1.00000ml of V14434 + 1.00000ml of V14437 + 1.50000ml of V14192 + 1.50000ml of V14201 + 10.60000ml of V14152 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1810 | 8260 Working Std(2-CVE)-800ppm | VP132035 | 12/10/2024 | 06/10/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 12/12/2024 |

**FROM** 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 719 | 8260 Working STD (BCM)-First source, 400PPM | VP132096 | 12/12/2024 | 06/10/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 12/19/2024 |

**FROM** 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP132210 | 12/18/2024 | 12/19/2024 | John Carlone | None | None | Mahesh Dadoda 12/24/2024 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132211 | 12/18/2024 | 12/19/2024 | John Carlone | None | None | Mahesh Dadoda 12/24/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132212 | 12/18/2024 | 12/19/2024 | John Carlone | None | None | Mahesh Dadoda 12/24/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP132216 | 12/18/2024 | 12/19/2024 | John Carlone | None | None | Mahesh Dadoda 12/24/2024 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132217 | 12/18/2024 | 12/19/2024 | John Carlone | None | None | Mahesh Dadoda 12/24/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132218 | 12/18/2024 | 12/19/2024 | John Carlone | None | None | Mahesh Dadoda 12/24/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP132253 | 12/20/2024 | 12/21/2024 | John Carlone | None | None | Mahesh Dadoda 12/23/2024 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132254 | 12/20/2024 | 12/21/2024 | John Carlone | None | None | Mahesh Dadoda 12/23/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132255 | 12/20/2024 | 12/21/2024 | John Carlone | None | None | Mahesh Dadoda 12/23/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP132281 | 12/23/2024 | 12/24/2024 | John Carlone | None | None | Mahesh Dadoda 12/27/2024 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132282 | 12/23/2024 | 12/24/2024 | John Carlone | None | None | Mahesh Dadoda 12/27/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132283 | 12/23/2024 | 12/24/2024 | John Carlone | None | None | Mahesh Dadoda 12/27/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP132381 | 12/30/2024 | 12/31/2024 | John Carlone | None | None | Mahesh Dadoda 12/31/2024 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132382 | 12/30/2024 | 12/31/2024 | John Carlone | None | None | Mahesh Dadoda 12/31/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP132383 | 12/30/2024 | 12/31/2024 | John Carlone | None | None | Mahesh Dadoda 12/31/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30067 / BFB tuneing solution | A0191805 | 11/22/2025 | 11/22/2024 / SAM | 01/13/2023 / SAM | V13391 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM | A0181905 | 02/28/2025 | 11/26/2024 / SAM | 01/23/2023 / SAM | V13445 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 06/12/2025 | 12/12/2024 / SAM | 01/27/2023 / SAM | V13457 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 06/12/2025 | 12/12/2024 / SAM | 01/27/2023 / SAM | V13460 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 06/12/2025 | 12/12/2024 / SAM | 01/27/2023 / SAM | V13465 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 06/12/2025 | 12/12/2024 / SAM | 01/27/2023 / SAM | V13466 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2] | A0196865 | 06/10/2025 | 06/10/2024 / SAM | 04/12/2023 / SAM | V13707 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0194279 | 03/16/2025 | 09/16/2024 / SAM | 05/31/2023 / SAM | V13806 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95319 / Revised Additions Mix (Min = 5) | 032922 | 03/29/2025 | 11/26/2024 / SAM | 11/22/2023 / SAM | V14020 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95319 / Revised Additions Mix (Min = 5) | 032922 | 03/29/2025 | 11/26/2024 / SAM | 11/22/2023 / SAM | V14021 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS | A0205179 | 05/26/2025 | 11/26/2024 / SAM | 12/22/2023 / SAM | V14105 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS | A0205179 | 05/26/2025 | 11/26/2024 / SAM | 12/22/2023 / SAM | V14106 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 02/28/2025 | 08/29/2024 / SAM | 02/06/2024 / SAM | V14145 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 04/14/2025 | 10/14/2024 / SAM | 02/06/2024 / SAM | V14152 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 05/18/2025 | 11/18/2024 / pedro | 02/06/2024 / SAM | V14154 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 05/26/2025 | 11/26/2024 / SAM | 02/20/2024 / SAM | V14173 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 05/26/2025 | 11/26/2024 / SAM | 02/20/2024 / SAM | V14174 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 05/26/2025 | 11/26/2024 / SAM | 02/28/2024 / SAM | V14192 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 05/26/2025 | 11/26/2024 / SAM | 02/28/2024 / SAM | V14194 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 05/26/2025 | 11/26/2024 / SAM | 02/28/2024 / SAM | V14201 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555581 / Custom Standard, 8260 Internal Std [CS 5179-1] | A0210184 | 11/22/2025 | 11/22/2024 / SAM | 04/15/2024 / SAM | V14289 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0209618 | 05/26/2025 | 11/26/2024 / SAM | 08/15/2024 / SAM | V14434 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0209618 | 05/26/2025 | 11/26/2024 / SAM | 08/15/2024 / SAM | V14437 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 06/10/2025 | 12/10/2024 / SAM | 11/26/2024 / SAM | V14614 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14630 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14631 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14632 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 06/10/2025 | 12/10/2024 / SAM | 12/06/2024 / SAM | V14633 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 120524 | 01/05/2025 | 12/06/2024 / SAM | 12/06/2024 / SAM | V14650 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 120524 | 01/05/2025 | 12/06/2024 / SAM | 12/06/2024 / SAM | V14651 |

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 120524 | 01/05/2025 | 12/06/2024 / SAM | 12/06/2024 / SAM | V14652 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / Iwona | 07/03/2024 / Iwona | W3112 |

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.03 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis – Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

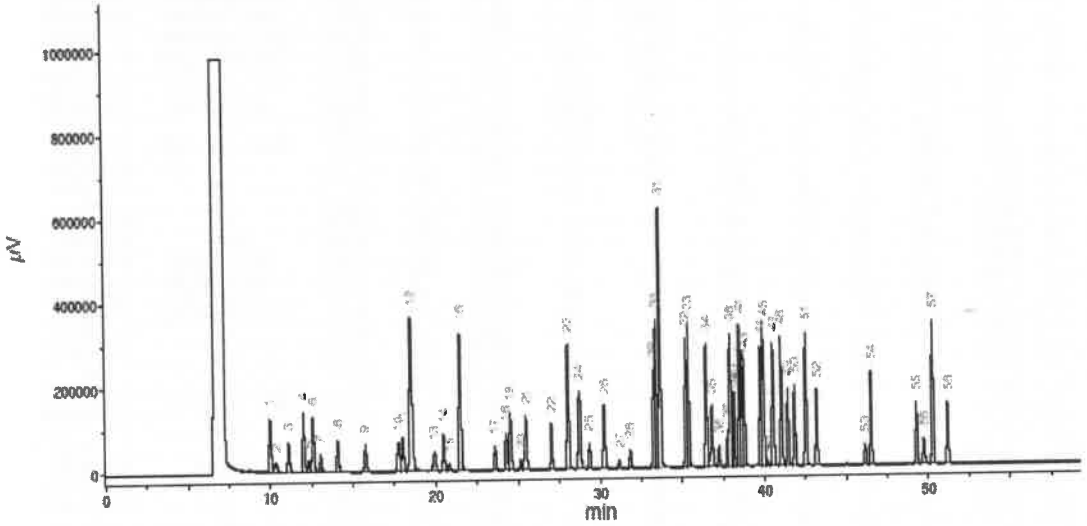
| Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. Carbon disulphide | (0060) | MKCR8561 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20023 | 2001.6 | 8.1 | 75-15-0 | 4 ppm (12mg/m3) (skin) | orl-rat 1200mg/kg |
| 4. cis-1,4-Dichloro-2-butene | (1196) | 14718EF | NA | NA | NA | 2000 | 95 | 0.2 | NA | 0.21058 | 0.21069 | 2001.1 | 8.5 | 1476-11-5 | N/A | N/A |
| 5. trans-1,4-Dichloro-2-butene | (0486) | MKBP6041V | NA | NA | NA | 2000 | 96.5 | 0.2 | NA | 0.20731 | 0.20748 | 2001.7 | 8.4 | 110-57-6 | N/A | N/A |
| 6. Diethyl ether | (0153) | IK18CAS0000 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 60-29-7 | N/A | N/A |
| 7. Ethyl methacrylate | (0361) | 06126PX | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20230 | 2002.3 | 8.2 | 97-63-2 | N/A | orl-rat 14800mg/kg |
| 8. Iodomethane | (0489) | SHBF8718V | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20121 | 2001.5 | 8.2 | 74-88-4 | 5 ppm(28mg/m3/8H)(skin) | orl-rat 76mg/kg |
| 9. 2-Methyl-1-propanol | (0445) | 15241EB | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20120 | 2001.4 | 8.1 | 78-83-1 | 50 ppm (150mg/m3/8H) | orl-rat 2460mg/kg |
| 10. Methacrylonitrile | (0442) | 00427ET | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 126-98-7 | 1 ppm (3mg/m3/8H)(skin) | orl-rat 120mg/kg |
| 11. Methyl acrylate | (1075) | SHBK0679 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 96-33-3 | 10 ppm(35mg/m3/8H)(skin) | orl-rat 277mg/kg |
| 12. Methyl methacrylate | (0404) | MKBW5137V | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20041 | 2001.6 | 8.1 | 80-62-6 | 100 ppm (410mg/m3/8H) | orl-rat 7872mg/kg |
| 13. Nitrobenzene | (0228) | 01213TV | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20220 | 2001.3 | 8.2 | 98-95-3 | 1 ppm (5mg/m3/8H)(skin) | orl-rat 780mg/kg |
| 14. 2-Nitropropane | (0461) | 14002JX | NA | NA | NA | 2000 | 97.3 | 0.2 | NA | 0.20560 | 0.20577 | 2001.6 | 8.3 | 79-46-9 | 10 ppm (35mg/m3/8H) | orl-rat 720mg/kg |
| 15. Pentachloroethane | (0450) | HGA01 | NA | NA | NA | 2000 | 98 | 0.2 | NA | 0.20413 | 0.20430 | 2001.6 | 8.3 | 76-01-7 | N/A | N/A |
| 16. 1,1,2-Trichlorotrifluoroethane | (0474) | 18930 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20225 | 2001.8 | 8.2 | 76-13-1 | 1000 ppm (7600mg/m3/8H) | orl-rat 43g/kg |
| 17. Bromodichloromethane | 35171 | 101623 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-27-4 | N/A | orl-rat 916mg/kg |
| 18. Dibromochloromethane | 35171 | 101623 | 0.05 | 5.00 | 40002.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 124-48-1 | N/A | orl-rat 848mg/kg |
| 19. cis-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 156-59-2 | N/A | N/A |
| 20. trans-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 156-60-5 | N/A | orl-rat 1235mg/kg |
| 21. Methylene chloride | 35171 | 101623 | 0.05 | 5.00 | 40002.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-09-2 | 500 ppm | orl-rat 820mg/kg |
| 22. 1,1-Dichloroethene | 32251 | 102023 | 0.10 | 10.00 | 20001.6 | 2000 | NA | NA | 0.042 | NA | NA | 1999.7 | 20.4 | 75-35-4 | 1 ppm (4mg/m3/8H) | orl-rat 200mg/kg |
| 23. Bromoform | 95321 | 020724 | 0.10 | 10.00 | 20003.2 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-25-2 | 0.5 ppm (5mg/m3) (skin) | orl-rat 933mg/kg |
| 24. Carbon tetrachloride | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 56-23-5 | 2 ppm (12.6mg/m3/8H) | orl-rat 2350mg/kg |
| 25. Chloroform | 95321 | 020724 | 0.10 | 10.00 | 20024.0 | 2000 | NA | NA | 0.042 | NA | NA | 2001.9 | 20.5 | 67-66-3 | 50 ppm (240mg/m3) (CL) | orl-rat 908mg/kg |
| 26. Dibromomethane | 95321 | 020724 | 0.10 | 10.00 | 20002.9 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 74-95-3 | N/A | orl-rat 108mg/kg |
| 27. 1,1-Dichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-34-3 | 100 ppm | orl-rat 725mg/kg |
| 28. 2,2-Dichloropropane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 594-20-7 | N/A | N/A |
| 29. Tetrachloroethene | 95321 | 020724 | 0.10 | 10.00 | 20201.1 | 2000 | NA | NA | 0.042 | NA | NA | 2019.6 | 20.6 | 127-18-4 | 25 ppm (170mg/m3/8H)(final) | orl-rat 2629mg/kg |
| 30. 1,1,1-Trichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.0 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 71-55-6 | 350 ppm (1900mg/m3/8H) | orl-rat 10300mg/kg |
| 31. 1,2-Dibromo-3-chloropropane | 35161 | 112322 | 0.05 | 5.00 | 40016.5 | 2000 | NA | NA | 0.017 | NA | NA | 2000.3 | 22.9 | 96-12-8 | 0.001 ppm | orl-rat 170mg/kg |
| 32. 1,2-Dibromoethane | 35161 | 112322 | 0.05 | 5.00 | 40024.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.7 | 22.9 | 106-93-4 | 20 ppm (8H) | orl-rat 108mg/kg |
| 33. 1,2-Dichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40018.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 22.9 | 107-06-2 | 50 ppm (8H) | orl-rat 670mg/kg |
| 34. 1,2-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40051.0 | 2000 | NA | NA | 0.017 | NA | NA | 2002.0 | 22.9 | 78-87-5 | 75 ppm (350mg/m3/8H) | orl-rat 1947mg/kg |
| 35. 1,3-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40005.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 142-28-9 | N/A | unr-mus 3600mg/kg |
| 36. 1,1-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40012.1 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 29.7 | 563-58-6 | N/A | N/A |
| 37. cis-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40010.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.0 | 23.0 | 10061-01-5 | N/A | N/A |
| 38. trans-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40017.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 23.0 | 10061-02-6 | N/A | N/A |
| 39. Hexachloro-1,3-butadiene | 35161 | 112322 | 0.05 | 5.00 | 40021.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.6 | 29.7 | 87-68-3 | 0.02 ppm (0.24mg/m3/8H) | orl-rat 82mg/kg |
| 40. 1,1,1,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40011.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 22.9 | 630-20-6 | N/A | orl-rat 670mg/kg |
| 41. 1,1,2,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 79-34-5 | 5 ppm (35mg/m3/8H)(skin) | orl-rat 800mg/kg |
| 42. 1,1,2-Trichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40006.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 23.0 | 79-00-5 | 10 ppm (46mg/m3/8H)(skin) | orl-rat 836mg/kg |
| 43. Trichloroethene | 35161 | 112322 | 0.05 | 5.00 | 40029.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.9 | 22.9 | 79-01-6 | 50 ppm (270mg/m3/8H) | orl-mus 2402mg/kg |
| 44. 1,2,3-Trichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 96-18-4 | 10 ppm (60mg/m3/8H) | orl-rat 149.6mg/kg |
| 45. Benzene | 35162 | 050823 | 0.05 | 5.00 | 40005.0 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 71-43-2 | 1 ppm | orl-rat 4894mg/kg |
| 46. Bromobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-86-1 | N/A | orl-rat 2699mg/kg |
| 47. n-Butyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 104-51-8 | N/A | N/A |
| 48. Ethyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-41-4 | 100 ppm (435mg/m3/8H) | orl-rat >2000mg/kg |
| 49. p-Isopropyl toluene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 99-87-6 | N/A | orl-rat 4750mg/kg |
| 50. Naphthalene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 91-20-3 | 10 ppm (50mg/m3/8H) | orl-rat 490mg/kg |
| 51. Styrene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-42-5 | 100 ppm | orl-rat 5000mg/kg |
| 52. Toluene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-88-3 | 200 ppm | orl-rat 5000mg/kg |
| 53. 1,2,3-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 87-61-6 | N/A | ipr-mus 1390mg/kg |
| 54. 1,2,4-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 120-82-1 | 5 ppm (CL) (40mg/m3) | orl-rat 756mg/kg |
| 55. 1,2,4-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40001.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 95-63-6 | N/A | orl-rat 5g/kg |
| 56. 1,3,5-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-67-8 | N/A | orl-rat 5000mg/kg |
| 57. m-Xylene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-38-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |
| 58. tert-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40001.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 98-06-6 | N/A | N/A |
| 59. sec-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 135-98-8 | N/A | orl-rat 2240mg/kg |
| 60. Chlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 108-90-7 | 75 ppm (350mg/m3/8H) | orl-rat 2290mg/kg |
| 61. 2-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40000.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 95-49-8 | 50 ppm (250mg/m3/8H) | orl-rat 3900mg/kg |
| 62. 4-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40003.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 106-43-4 | N/A | orl-rat 2100mg/kg |
| 63. 1,2-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 95-50-1 | 50 ppm (300mg/m3) (CL) | orl-rat 500mg/kg |
| 64. 1,3-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 541-73-1 | N/A | ipr-mus 1062mg/kg |
| 65. 1,4-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 106-46-7 | 75 ppm (450mg/m3/8H) | orl-rat 500mg/kg |
| 66. Isopropylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40000.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 98-82-8 | 50 ppm (245mg/m3/8H) | orl-rat 1400mg/kg |
| 67. n-Propylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 23.0 | 103-65-1 | N/A | orl-rat 6040mg/kg |
| 68. o-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40040.8 | 2000 | NA | NA | 0.017 | NA | NA | 2001.5 | 23.0 | 95-47-6 | 100 ppm (435mg/m3/8H) | ipr-mus 1364mg/kg |
| 69. p-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40000.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 106-42-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

## Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

**Comments**
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3




| Peak # | Name | FID RT (min.) |
|---|---|---|
| 1 | Ether | 9.97 |
| 2 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.33 |
| 3 | 1,1-Dichloroethene | 11.10 |
| 4 | Acetonitrile | 12.00 |
| 5 | Iodomethane | 12.31 |
| 6 | Allyl chloride | 12.56 |
| 7 | Carbon disulfide/Methylene chloride | 13.04 |
| 8 | trans-1,2-Dichloroethene | 14.07 |
| 9 | 1,1-Dichloroethane | 15.74 |
| 10 | 2,2-Dichloropropane | 17.74 |
| 11 | cis-1,2-Dichloroethene | 18.00 |
| 12 | Methacrylonitrile/Methyl acrylate/Chloroform | 18.46 |
| 13 | Isobutanol/1,1,1-Trichloroethane | 19.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.49 |
| 17 | Trichloroethene | 23.58 |
| 18 | 1,2-Dichloropropane | 24.28 |
| 19 | Methyl methacrylate | 24.52 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.02 |
| 23 | Toluene | 28.05 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethene/1,3-Dichloropropane | 30.24 |
| 27 | Dibromochloromethane | 31.16 |
| 28 | 1,2-Dibromoethane | 31.84 |
| 29 | Chlorobenzene | 33.26 |
| 30 | Ethylbenzene/1,1,1,2-Tetrachloroethane | 33.40 |
| 31 | m-Xylene/p-Xylene | 33.86 |
| 32 | o-Xylene | 35.22 |
| 33 | Styrene | 35.38 |
| 34 | Isopropylbenzene/Bromoform | 36.18 |
| 35 | cis-1,4-Dichloro-2-Butene | 36.80 |
| 36 | 1,1,2,2-Tetrachloroethane | 37.23 |
| 37 | 1,2,3-Trichloropropane | 37.77 |
| 38 | n-Propylbenzene | 37.93 |
| 39 | trans-1,4-Dichloro-2-Butene | 38.05 |
| 40 | Bromobenzene | 38.14 |
| 41 | 1,3,5-Trimethylbenzene | 38.80 |
| 42 | 2-Chlorotoluene | 38.82 |
| 43 | 4-Chlorotoluene | 38.77 |
| 44 | tert-Butylbenzene | 39.76 |
| 45 | 1,2,4-Trimethylbenzene | 39.91 |
| 46 | Pentachloroethane | 40.17 |
| 47 | sec-Butylbenzene | 40.52 |
| 48 | p-Isopropyltoluene | 41.02 |
| 49 | 1,3-Dichlorobenzene | 41.42 |
| 50 | 1,4-Dichlorobenzene | 41.83 |
| 51 | n-Butylbenzene | 42.53 |
| 52 | 1,2-Dichlorobenzene | 43.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.48 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.26 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. Hamden CT, 06514 | Emergency Telephone International | **1-352-323-3500** |
| | | Date Prepared/Revised | January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

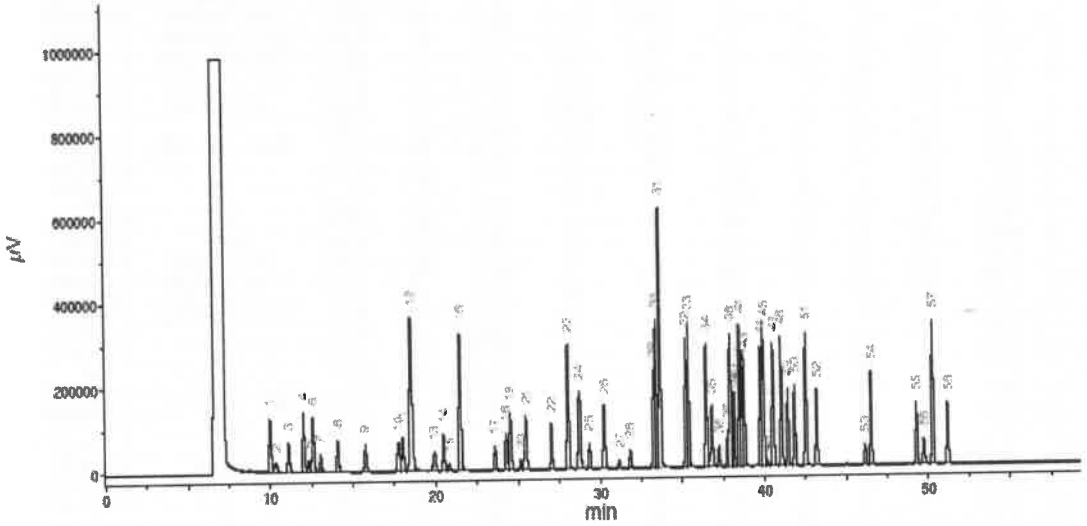
| Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. Carbon disulphide | (0060) | MKCR8561 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20023 | 2001.6 | 8.1 | 75-15-0 | 4 ppm (12mg/m3) (skin) | orl-rat 1200mg/kg |
| 4. cis-1,4-Dichloro-2-butene | (1196) | 14718EF | NA | NA | NA | 2000 | 95 | 0.2 | NA | 0.21058 | 0.21069 | 2001.1 | 8.5 | 1476-11-5 | N/A | N/A |
| 5. trans-1,4-Dichloro-2-butene | (0486) | MKBP6041V | NA | NA | NA | 2000 | 96.5 | 0.2 | NA | 0.20731 | 0.20748 | 2001.7 | 8.4 | 110-57-6 | N/A | N/A |
| 6. Diethyl ether | (0153) | IK18CAS0000 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 60-29-7 | N/A | N/A |
| 7. Ethyl methacrylate | (0361) | 06126PX | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20230 | 2002.3 | 8.2 | 97-63-2 | N/A | orl-rat 14800mg/kg |
| 8. Iodomethane | (0489) | SHBF8718V | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20121 | 2001.5 | 8.2 | 74-88-4 | 5 ppm(28mg/m3/8H)(skin) | orl-rat 76mg/kg |
| 9. 2-Methyl-1-propanol | (0445) | 15241EB | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20120 | 2001.4 | 8.1 | 78-83-1 | 50 ppm (150mg/m3/8H) | orl-rat 2460mg/kg |
| 10. Methacrylonitrile | (0442) | 00427ET | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 126-98-7 | 1 ppm (3mg/m3/8H)(skin) | orl-rat 120mg/kg |
| 11. Methyl acrylate | (1075) | SHBK0679 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 96-33-3 | 10 ppm(35mg/m3/8H)(skin) | orl-rat 277mg/kg |
| 12. Methyl methacrylate | (0404) | MKBW5137V | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20041 | 2001.6 | 8.1 | 80-62-6 | 100 ppm (410mg/m3/8H) | orl-rat 7872mg/kg |
| 13. Nitrobenzene | (0228) | 01213TV | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20220 | 2001.3 | 8.2 | 98-95-3 | 1 ppm (5mg/m3/8H)(skin) | orl-rat 780mg/kg |
| 14. 2-Nitropropane | (0461) | 14002JX | NA | NA | NA | 2000 | 97.3 | 0.2 | NA | 0.20560 | 0.20577 | 2001.6 | 8.3 | 79-46-9 | 10 ppm (35mg/m3/8H) | orl-rat 720mg/kg |
| 15. Pentachloroethane | (0450) | HGA01 | NA | NA | NA | 2000 | 98 | 0.2 | NA | 0.20413 | 0.20430 | 2001.6 | 8.3 | 76-01-7 | N/A | N/A |
| 16. 1,1,2-Trichlorotrifluoroethane | (0474) | 18930 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20225 | 2001.8 | 8.2 | 76-13-1 | 1000 ppm (7600mg/m3/8H) | orl-rat 43g/kg |
| 17. Bromodichloromethane | 35171 | 101623 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-27-4 | N/A | orl-rat 916mg/kg |
| 18. Dibromochloromethane | 35171 | 101623 | 0.05 | 5.00 | 40002.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 124-48-1 | N/A | orl-rat 848mg/kg |
| 19. cis-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 156-59-2 | N/A | N/A |
| 20. trans-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 156-60-5 | N/A | orl-rat 1235mg/kg |
| 21. Methylene chloride | 35171 | 101623 | 0.05 | 5.00 | 40002.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-09-2 | 500 ppm | orl-rat 820mg/kg |
| 22. 1,1-Dichloroethene | 32251 | 102023 | 0.10 | 10.00 | 20001.6 | 2000 | NA | NA | 0.042 | NA | NA | 1999.7 | 20.4 | 75-35-4 | 1 ppm (4mg/m3/8H) | orl-rat 200mg/kg |
| 23. Bromoform | 95321 | 020724 | 0.10 | 10.00 | 20003.2 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-25-2 | 0.5 ppm (5mg/m3) (skin) | orl-rat 933mg/kg |
| 24. Carbon tetrachloride | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 56-23-5 | 2 ppm (12.6mg/m3/8H) | orl-rat 2350mg/kg |
| 25. Chloroform | 95321 | 020724 | 0.10 | 10.00 | 20024.0 | 2000 | NA | NA | 0.042 | NA | NA | 2001.9 | 20.5 | 67-66-3 | 50 ppm (240mg/m3) (CL) | orl-rat 908mg/kg |
| 26. Dibromomethane | 95321 | 020724 | 0.10 | 10.00 | 20002.9 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 74-95-3 | N/A | orl-rat 108mg/kg |
| 27. 1,1-Dichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-34-3 | 100 ppm | orl-rat 725mg/kg |
| 28. 2,2-Dichloropropane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 594-20-7 | N/A | N/A |
| 29. Tetrachloroethene | 95321 | 020724 | 0.10 | 10.00 | 20201.1 | 2000 | NA | NA | 0.042 | NA | NA | 2019.6 | 20.6 | 127-18-4 | 25 ppm (170mg/m3/8H)(final) | orl-rat 2629mg/kg |
| 30. 1,1,1-Trichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.0 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 71-55-6 | 350 ppm (1900mg/m3/8H) | orl-rat 10300mg/kg |
| 31. 1,2-Dibromo-3-chloropropane | 35161 | 112322 | 0.05 | 5.00 | 40016.5 | 2000 | NA | NA | 0.017 | NA | NA | 2000.3 | 22.9 | 96-12-8 | 0.001 ppm | orl-rat 170mg/kg |
| 32. 1,2-Dibromoethane | 35161 | 112322 | 0.05 | 5.00 | 40024.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.7 | 22.9 | 106-93-4 | 20 ppm (8H) | orl-rat 108mg/kg |
| 33. 1,2-Dichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40018.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 22.9 | 107-06-2 | 50 ppm (8H) | orl-rat 670mg/kg |
| 34. 1,2-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40051.0 | 2000 | NA | NA | 0.017 | NA | NA | 2002.0 | 22.9 | 78-87-5 | 75 ppm (350mg/m3/8H) | orl-rat 1947mg/kg |
| 35. 1,3-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40005.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 142-28-9 | N/A | unr-mus 3600mg/kg |
| 36. 1,1-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40012.1 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 29.7 | 563-58-6 | N/A | N/A |
| 37. cis-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40010.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.0 | 23.0 | 10061-01-5 | N/A | N/A |
| 38. trans-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40017.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 23.0 | 10061-02-6 | N/A | N/A |
| 39. Hexachloro-1,3-butadiene | 35161 | 112322 | 0.05 | 5.00 | 40021.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.6 | 29.7 | 87-68-3 | 0.02 ppm (0.24mg/m3/8H) | orl-rat 82mg/kg |
| 40. 1,1,1,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40011.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 22.9 | 630-20-6 | N/A | orl-rat 670mg/kg |
| 41. 1,1,2,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 79-34-5 | 5 ppm (35mg/m3/8H)(skin) | orl-rat 800mg/kg |
| 42. 1,1,2-Trichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40006.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 23.0 | 79-00-5 | 10 ppm (46mg/m3/8H)(skin) | orl-rat 836mg/kg |
| 43. Trichloroethene | 35161 | 112322 | 0.05 | 5.00 | 40029.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.9 | 22.9 | 79-01-6 | 50 ppm (270mg/m3/8H) | orl-mus 2402mg/kg |
| 44. 1,2,3-Trichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 96-18-4 | 10 ppm (60mg/m3/8H) | orl-rat 149.6mg/kg |
| 45. Benzene | 35162 | 050823 | 0.05 | 5.00 | 40005.0 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 71-43-2 | 1 ppm | orl-rat 4894mg/kg |
| 46. Bromobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-86-1 | N/A | orl-rat 2699mg/kg |
| 47. n-Butyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 104-51-8 | N/A | N/A |
| 48. Ethyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-41-4 | 100 ppm (435mg/m3/8H) | orl-rat >2000mg/kg |
| 49. p-Isopropyl toluene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 99-87-6 | N/A | orl-rat 4750mg/kg |
| 50. Naphthalene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 91-20-3 | 10 ppm (50mg/m3/8H) | orl-rat 490mg/kg |
| 51. Styrene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-42-5 | 100 ppm | orl-rat 5000mg/kg |
| 52. Toluene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-88-3 | 200 ppm | orl-rat 5000mg/kg |
| 53. 1,2,3-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 87-61-6 | N/A | ipr-mus 1390mg/kg |
| 54. 1,2,4-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 120-82-1 | 5 ppm (CL) (40mg/m3) | orl-rat 756mg/kg |
| 55. 1,2,4-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40001.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 95-63-6 | N/A | orl-rat 5g/kg |
| 56. 1,3,5-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-67-8 | N/A | orl-rat 5000mg/kg |
| 57. m-Xylene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-38-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |
| 58. tert-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40001.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 98-06-6 | N/A | N/A |
| 59. sec-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 135-98-8 | N/A | orl-rat 2240mg/kg |
| 60. Chlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 108-90-7 | 75 ppm (350mg/m3/8H) | orl-rat 2290mg/kg |
| 61. 2-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40000.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 95-49-8 | 50 ppm (250mg/m3/8H) | orl-rat 3900mg/kg |
| 62. 4-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40003.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 106-43-4 | N/A | orl-rat 2100mg/kg |
| 63. 1,2-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 95-50-1 | 50 ppm (300mg/m3) (CL) | orl-rat 500mg/kg |
| 64. 1,3-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 541-73-1 | N/A | ipr-mus 1062mg/kg |
| 65. 1,4-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 106-46-7 | 75 ppm (450mg/m3/8H) | orl-rat 500mg/kg |
| 66. Isopropylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40000.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 98-82-8 | 50 ppm (245mg/m3/8H) | orl-rat 1400mg/kg |
| 67. n-Propylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 23.0 | 103-65-1 | N/A | orl-rat 6040mg/kg |
| 68. o-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40040.8 | 2000 | NA | NA | 0.017 | NA | NA | 2001.5 | 23.0 | 95-47-6 | 100 ppm (435mg/m3/8H) | ipr-mus 1364mg/kg |
| 69. p-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40000.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 106-42-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

## Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

**Comments**
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3




| Peak # | Name | FID RT (min.) |
|---|---|---|
| 1 | Ether | 9.97 |
| 2 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.33 |
| 3 | 1,1-Dichloroethene | 11.10 |
| 4 | Acetonitrile | 12.00 |
| 5 | Iodomethane | 12.31 |
| 6 | Allyl chloride | 12.56 |
| 7 | Carbon disulfide/Methylene chloride | 13.04 |
| 8 | trans-1,2-Dichloroethene | 14.07 |
| 9 | 1,1-Dichloroethane | 15.74 |
| 10 | 2,2-Dichloropropane | 17.74 |
| 11 | cis-1,2-Dichloroethene | 18.00 |
| 12 | Methacrylonitrile/Methyl acrylate/Chloroform | 18.46 |
| 13 | Isobutanol/1,1,1-Trichloroethane | 19.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.49 |
| 17 | Trichloroethene | 23.58 |
| 18 | 1,2-Dichloropropane | 24.28 |
| 19 | Methyl methacrylate | 24.52 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.02 |
| 23 | Toluene | 28.05 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethene/1,3-Dichloropropane | 30.24 |
| 27 | Dibromochloromethane | 31.16 |
| 28 | 1,2-Dibromoethane | 31.84 |
| 29 | Chlorobenzene | 33.26 |
| 30 | Ethylbenzene/1,1,1,2-Tetrachloroethane | 33.40 |
| 31 | m-Xylene/p-Xylene | 33.86 |
| 32 | o-Xylene | 35.22 |
| 33 | Styrene | 35.38 |
| 34 | Isopropylbenzene/Bromoform | 36.18 |
| 35 | cis-1,4-Dichloro-2-Butene | 36.80 |
| 36 | 1,1,2,2-Tetrachloroethane | 37.23 |
| 37 | 1,2,3-Trichloropropane | 37.77 |
| 38 | n-Propylbenzene | 37.93 |
| 39 | trans-1,4-Dichloro-2-Butene | 38.05 |
| 40 | Bromobenzene | 38.14 |
| 41 | 1,3,5-Trimethylbenzene | 38.80 |
| 42 | 2-Chlorotoluene | 38.82 |
| 43 | 4-Chlorotoluene | 38.77 |
| 44 | tert-Butylbenzene | 39.76 |
| 45 | 1,2,4-Trimethylbenzene | 39.91 |
| 46 | Pentachloroethane | 40.17 |
| 47 | sec-Butylbenzene | 40.52 |
| 48 | p-Isopropyltoluene | 41.02 |
| 49 | 1,3-Dichlorobenzene | 41.42 |
| 50 | 1,4-Dichlorobenzene | 41.83 |
| 51 | n-Butylbenzene | 42.53 |
| 52 | 1,2-Dichlorobenzene | 43.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.48 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.26 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. Hamden CT, 06514 | Emergency Telephone International | **1-352-323-3500** |
| | | Date Prepared/Revised | January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

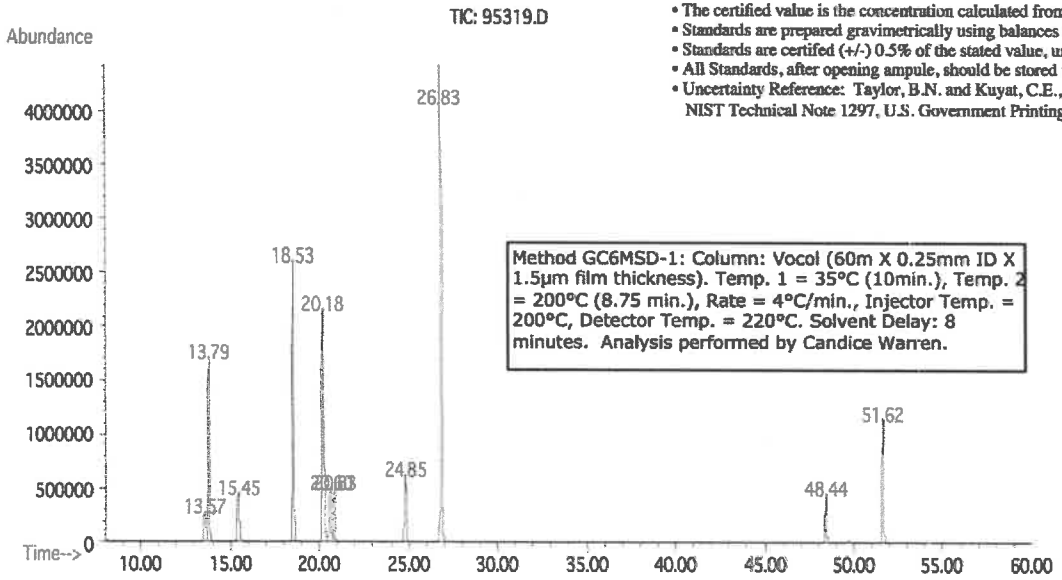
**Part Number:** 95319
**Lot Number:** 032922
**Description:** Revised Additions Mix
11 components
**Expiration Date:** 032925
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** Varied
**NIST Test ID#:** 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

**Solvent(s):** Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrylonitrile | 7 | 4718CK | 10000 | 99 | 0.2 | 1.01015 | 1.01030 | 10001.5 | 40.5 | 107-13-1 | N/A | orl-rat 78 mg/kg |
| 2. 1-Chlorobutane | 1072 | MKCM5711 | 2000 | 99.99 | 0.2 | 0.20003 | 0.20020 | 2001.7 | 8.1 | 109-69-3 | N/A | orl-rat 2670mg/kg |
| 3. Cyclohexane | 1023 | 28930 | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 110-82-7 | 300 ppm (1050mg/m3/8H) | orl-rat 12705mg/kg |
| 4. Di-isopropyl ether (DIPE) | 987 | 00412MX | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 108-20-3 | 500 ppm (2100mg/m3/8H) | orl-rat 8470mg/kg |
| 5. 1,4-Dioxane | 373 | 03853KE | 40000 | 99 | 0.2 | 4.04060 | 4.04100 | 40004.0 | 161.9 | 123-91-1 | 25 ppm (90mg/m3/8H)(skin) | orl-mus 5700mg/kg |
| 6. Hexachloroethane | 199 | 12604HBV | 2000 | 99 | 0.2 | 0.20203 | 0.20213 | 2001.0 | 8.2 | 67-72-1 | 1 ppm (10mg/m3/8H)(skin) | orl-gpg 4970mg/kg |
| 7. Methylcyclohexane | 1627 | 08046KN | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 108-87-2 | N/A | N/A |
| 8. Methyl tert-butyl ether (MTBE) | 209 | 02197JJ | 2000 | 99.8 | 0.2 | 0.20041 | 0.20055 | 2001.4 | 8.1 | 1634-04-4 | N/A | orl-rat 4g/kg |
| 9. Propionitrile | 349 | 1395468 | 20000 | 99 | 0.2 | 2.02030 | 2.02045 | 20001.5 | 81.0 | 107-12-0 | N/A | orl-rat 39mg/kg |
| 10. Tetrahydrofuran | 380 | SHBH8330 | 10000 | 99.9 | 0.2 | 1.00105 | 1.00120 | 10001.5 | 40.1 | 109-99-9 | 20 ppm (590mg/m3/8H) | orl-rat 1650mg/kg |
| 11. 1,2,3,4-Tetramethylbenzene | 491 | AP01 | 2000 | 93 | 0.2 | 0.21506 | 0.21520 | 2001.3 | 8.7 | 488-23-3 | N/A | orl-rat 6408mg/kg |




- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

| Name | MSD RT (min.) |
|---|---|
| Methyl tert-butyl ether (MTBE) | 13.56 |
| Acrylonitrile | 13.79 |
| Di-isopropyl ether | 15.44 |
| Propionitrile | 18.53 |
| Tetrahydrofuran | 20.17 |
| Cyclohexane | 20.58 |
| 1-Chlorobutane | 20.83 |
| Methylcyclohexane | 24.84 |
| 1,4-Dioxane | 26.84 |
| Hexachloroethane | 48.44 |
| 1,2,3,4-Tetramethylbenzene | 51.62 |

**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components: | CAS#: | LD50 Oral - Rat | OSHA PEL | % (optional) |
|---|---|---|---|---|
| Methanol | 67-56-1 | 2,769 mg/kg | 200 ppm | > 99 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

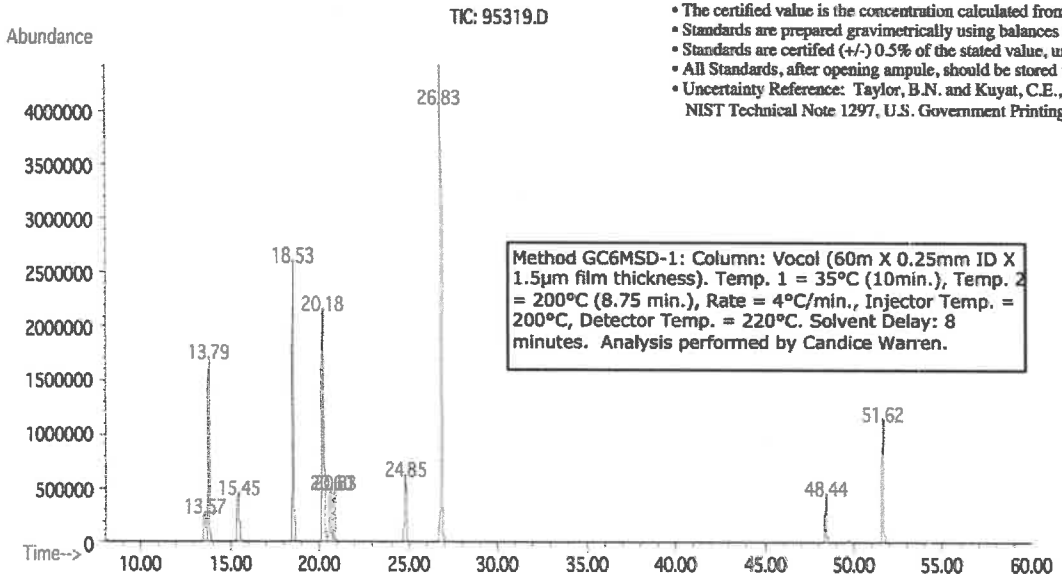
**Part Number:** 95319
**Lot Number:** 032922
**Description:** Revised Additions Mix
11 components
**Expiration Date:** 032925
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** Varied
**NIST Test ID#:** 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

**Solvent(s):** Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrylonitrile | 7 | 4718CK | 10000 | 99 | 0.2 | 1.01015 | 1.01030 | 10001.5 | 40.5 | 107-13-1 | N/A | orl-rat 78 mg/kg |
| 2. 1-Chlorobutane | 1072 | MKCM5711 | 2000 | 99.99 | 0.2 | 0.20003 | 0.20020 | 2001.7 | 8.1 | 109-69-3 | N/A | orl-rat 2670mg/kg |
| 3. Cyclohexane | 1023 | 28930 | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 110-82-7 | 300 ppm (1050mg/m3/8H) | orl-rat 12705mg/kg |
| 4. Di-isopropyl ether (DIPE) | 987 | 00412MX | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 108-20-3 | 500 ppm (2100mg/m3/8H) | orl-rat 8470mg/kg |
| 5. 1,4-Dioxane | 373 | 03853KE | 40000 | 99 | 0.2 | 4.04060 | 4.04100 | 40004.0 | 161.9 | 123-91-1 | 25 ppm (90mg/m3/8H)(skin) | orl-mus 5700mg/kg |
| 6. Hexachloroethane | 199 | 12604HBV | 2000 | 99 | 0.2 | 0.20203 | 0.20213 | 2001.0 | 8.2 | 67-72-1 | 1 ppm (10mg/m3/8H)(skin) | orl-gpg 4970mg/kg |
| 7. Methylcyclohexane | 1627 | 08046KN | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 108-87-2 | N/A | N/A |
| 8. Methyl tert-butyl ether (MTBE) | 209 | 02197JJ | 2000 | 99.8 | 0.2 | 0.20041 | 0.20055 | 2001.4 | 8.1 | 1634-04-4 | N/A | orl-rat 4g/kg |
| 9. Propionitrile | 349 | 1395468 | 20000 | 99 | 0.2 | 2.02030 | 2.02045 | 20001.5 | 81.0 | 107-12-0 | N/A | orl-rat 39mg/kg |
| 10. Tetrahydrofuran | 380 | SHBH8330 | 10000 | 99.9 | 0.2 | 1.00105 | 1.00120 | 10001.5 | 40.1 | 109-99-9 | 20 ppm (590mg/m3/8H) | orl-rat 1650mg/kg |
| 11. 1,2,3,4-Tetramethylbenzene | 491 | AP01 | 2000 | 93 | 0.2 | 0.21506 | 0.21520 | 2001.3 | 8.7 | 488-23-3 | N/A | orl-rat 6408mg/kg |




- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

| Name | MSD RT (min.) |
|---|---|
| Methyl tert-butyl ether (MTBE) | 13.56 |
| Acrylonitrile | 13.79 |
| Di-isopropyl ether | 15.44 |
| Propionitrile | 18.53 |
| Tetrahydrofuran | 20.17 |
| Cyclohexane | 20.58 |
| 1-Chlorobutane | 20.83 |
| Methylcyclohexane | 24.84 |
| 1,4-Dioxane | 26.84 |
| Hexachloroethane | 48.44 |
| 1,2,3,4-Tetramethylbenzene | 51.62 |

**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components: | CAS#: | LD50 Oral - Rat | OSHA PEL | % (optional) |
|---|---|---|---|---|
| Methanol | 67-56-1 | 2,769 mg/kg | 200 ppm | > 99 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

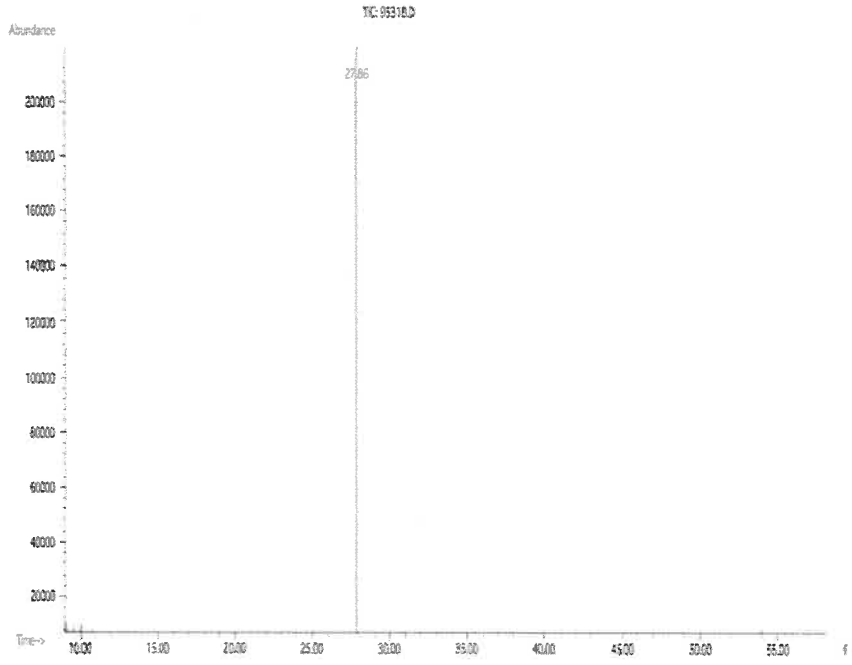
V14630 to V14649

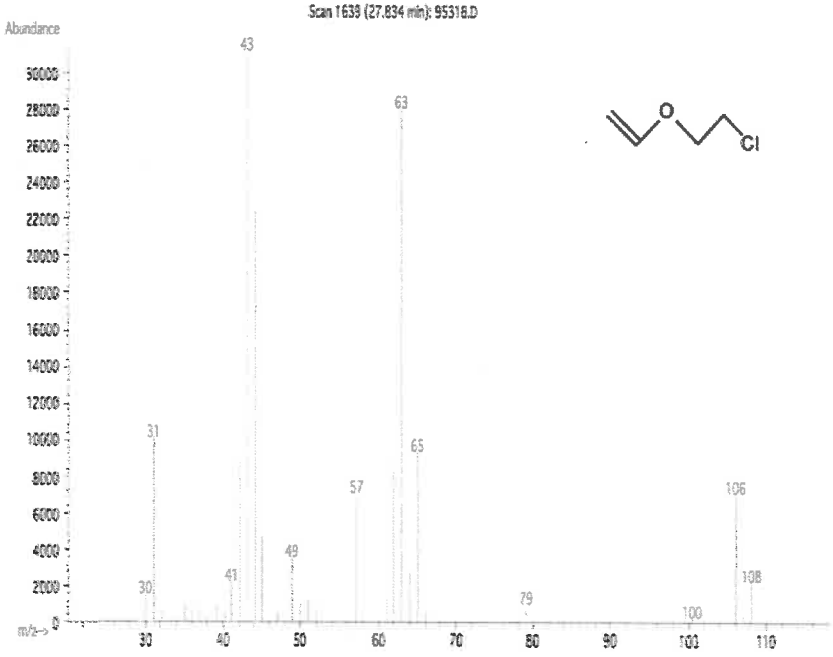
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| | | 120524 |
|---|---|---|
| Formulated By: | Prashant Chauhan | DATE |
| | | 120524 |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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***Certified Reference Material CRM***

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

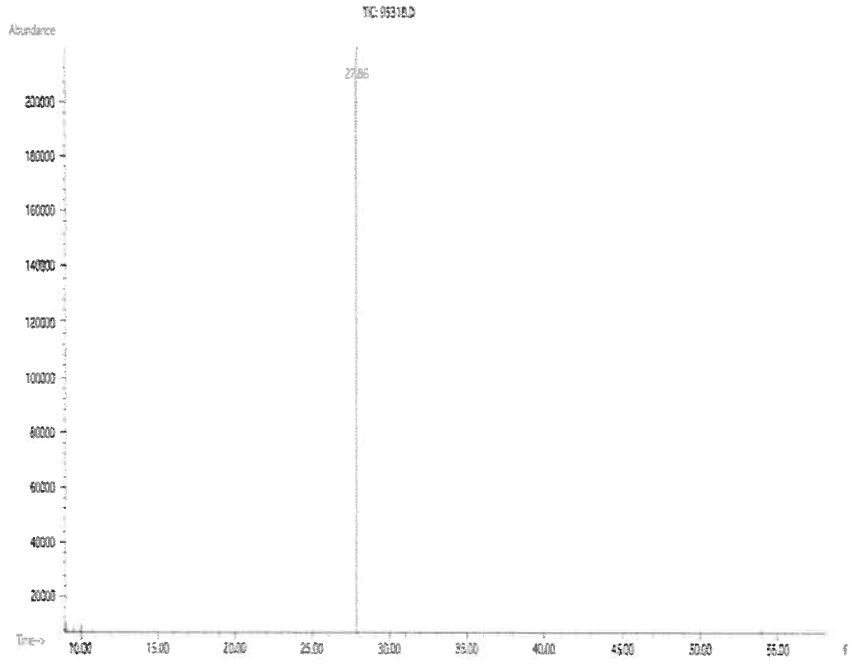
V14630 to V14649

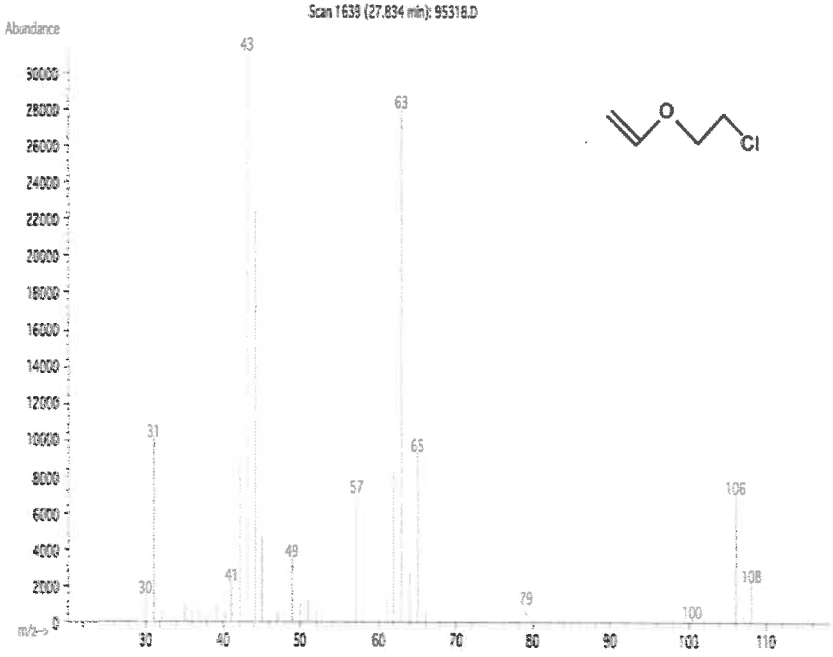
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| | | 120524 |
|---|---|---|
| Formulated By: | Prashant Chauhan | DATE |
| | | 120524 |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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***Certified Reference Material CRM***

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

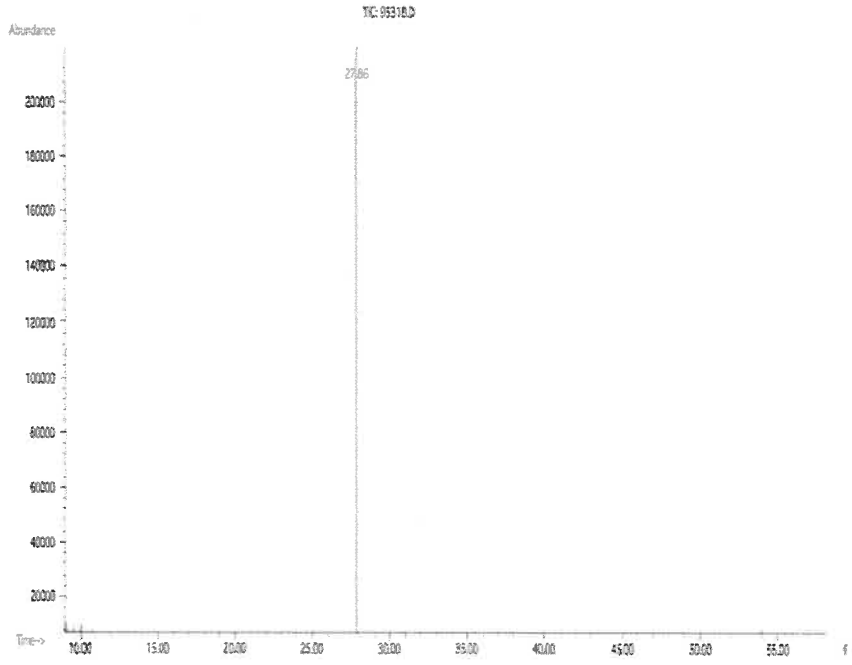
V14630 to V14649

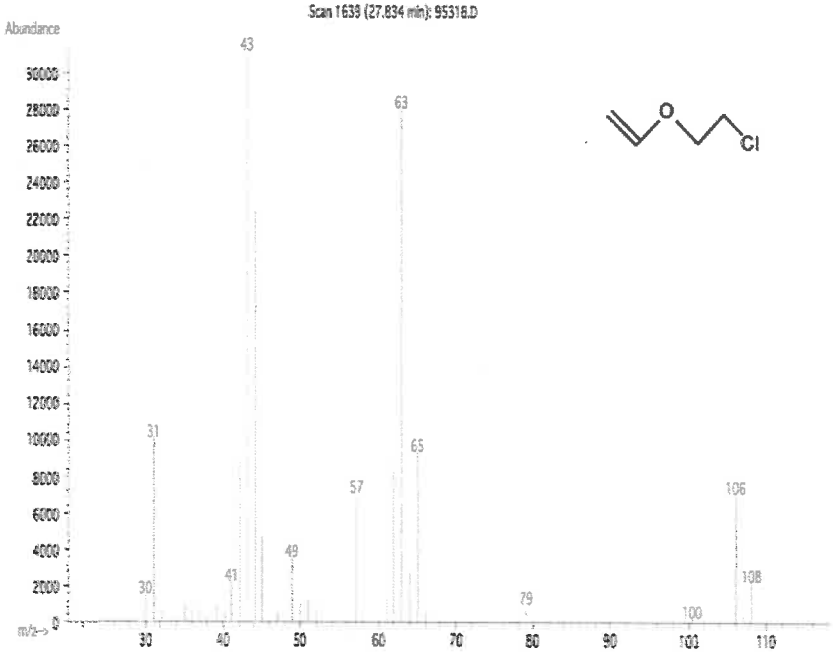
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| | | 120524 |
|---|---|---|
| Formulated By: | Prashant Chauhan | DATE |
| | | 120524 |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

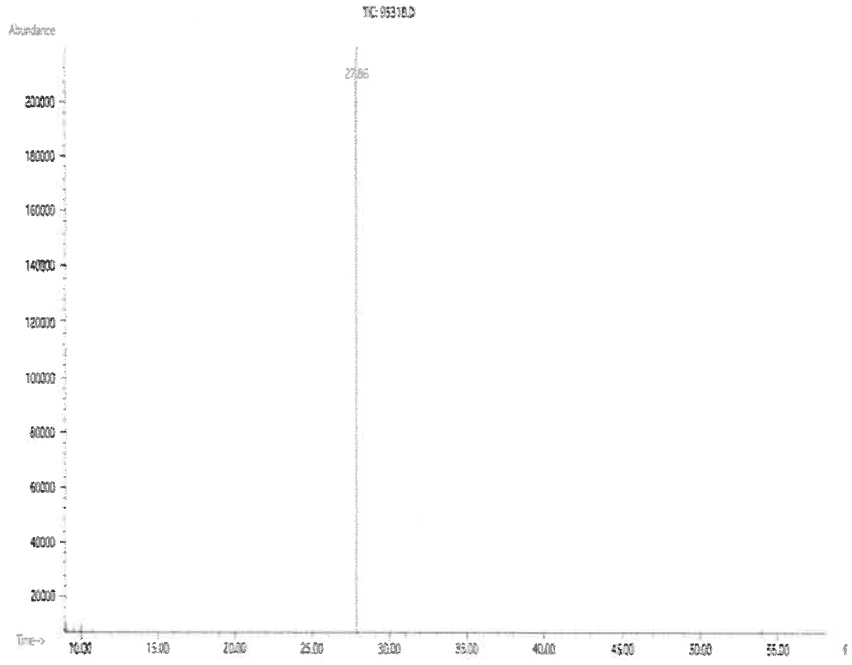
V14630 to V14649

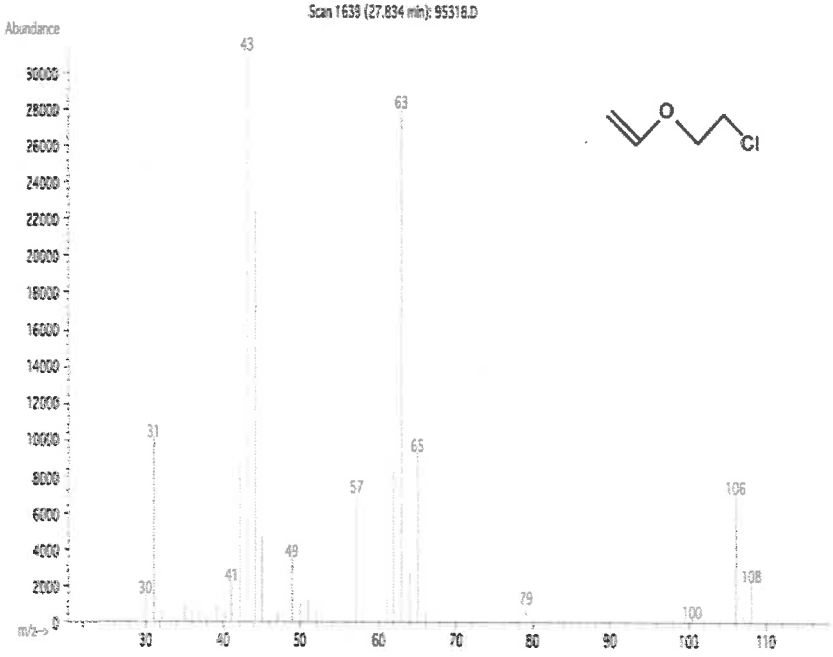
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| | | 120524 |
|---|---|---|
| Formulated By: | Prashant Chauhan | DATE |
| | | 120524 |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
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## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
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Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

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***Certified Reference Material CRM***

Dec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** **Lot#**
Water 072324Q

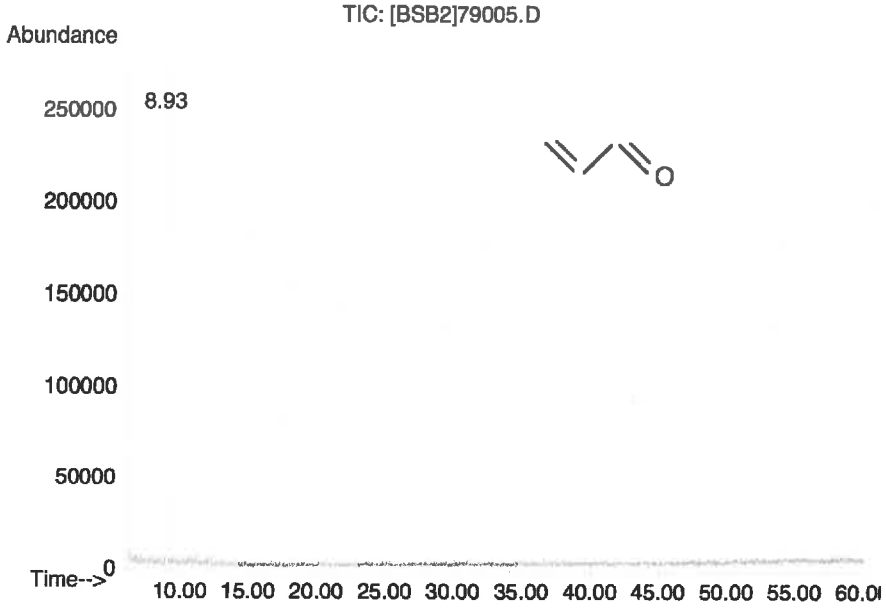
V14650-54

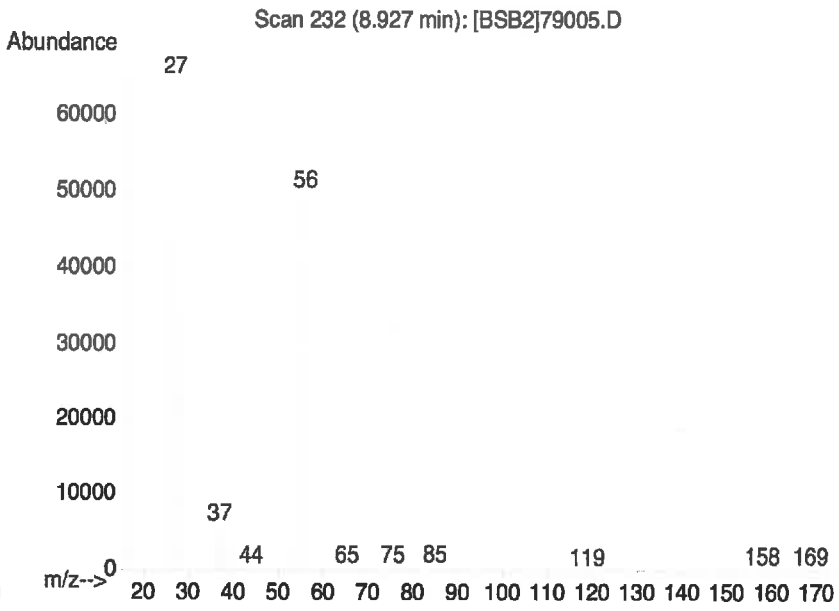
| | | |
|---|---|---|
| Prashant Chauhan | | 120524 |
| Formulated By: | Prashant Chauhan | DATE |
| Pedro Rentas | | 120524 |
| Reviewed By: | Pedro L. Rentas | DATE |

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755R02H | 5000 | 97 | 0.5 | 0.10307 | 0.10320 | 5006.1 | 51.8 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

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- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
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**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN WATER**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. | Emergency Telephone International | **1-352-323-3500** |
| | Hamden CT, 06514 | Date Prepared/Revised | January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **P271** | **Use in ventilated area** | **H315** | **Causes skin and eye irritation.** |
| **P302,332** | **If on skin, wash with soap and water** | **P280** | **Use gloves, eye protection/face sheild** |
| | | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | % (optional) |
|---|---|---|
| Water | CAS#: 7732-18-5 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |
| **Hazardous Decomposition products** | Carbon oxides |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| Boiling Point | 100°C | Specific Gravity (H2O = 1) | 1 |
| Vapor Pressure (mm Hg) | | Melting Point | |

| | | | |
|---|---|---|---|
| | NA | | 0°C |
| Vapor Density (AIR = 1) | NA | Evaporation rate (Butyl Acetate = 1) | NA |

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

## Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

## Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

Dec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** **Lot#**
Water 072324Q

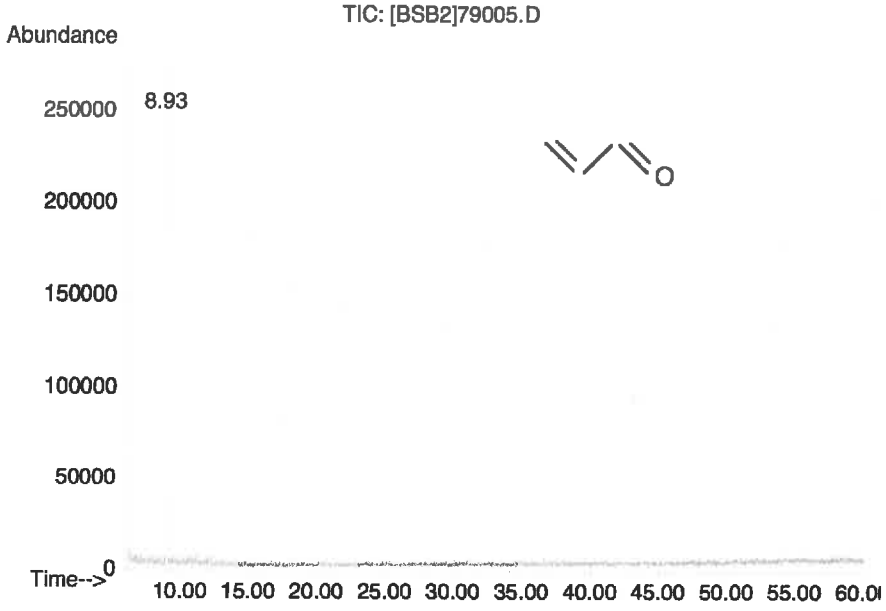
V14650-54

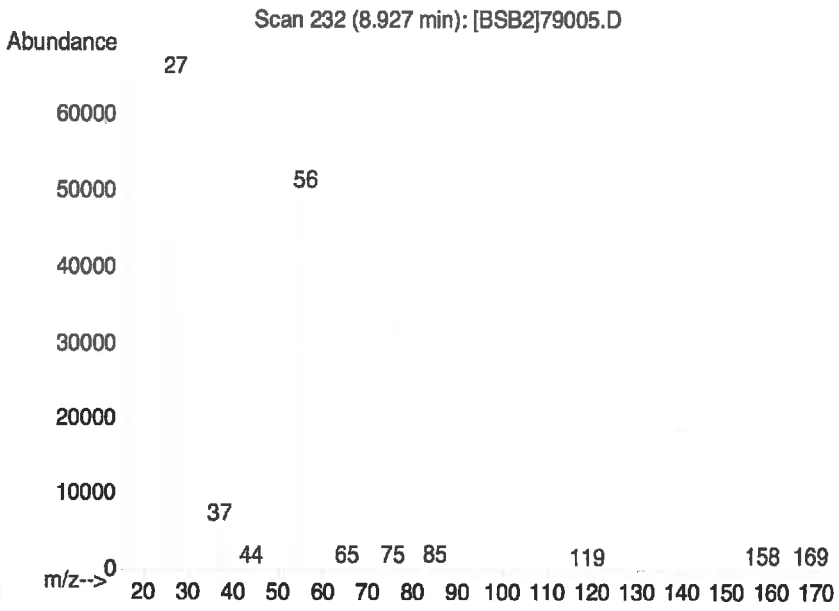
| | | |
|---|---|---|
| Prashant Chauhan | | 120524 |
| Formulated By: | Prashant Chauhan | DATE |
| Pedro Rentas | | 120524 |
| Reviewed By: | Pedro L. Rentas | DATE |

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755R02H | 5000 | 97 | 0.5 | 0.10307 | 0.10320 | 5006.1 | 51.8 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

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**Absolute Standards Inc.**

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Phone: 203-281-2917
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**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN WATER**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. | Emergency Telephone International | **1-352-323-3500** |
| | Hamden CT, 06514 | Date Prepared/Revised | January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **P271** | **Use in ventilated area** | **H315** | **Causes skin and eye irritation.** |
| **P302,332** | **If on skin, wash with soap and water** | **P280** | **Use gloves, eye protection/face sheild** |
| | | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | % (optional) |
|---|---|---|
| Water | CAS#: 7732-18-5 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |
| **Hazardous Decomposition products** | Carbon oxides |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| Boiling Point | 100°C | Specific Gravity (H2O = 1) | 1 |
| Vapor Pressure (mm Hg) | | Melting Point | |

| | | | |
|---|---|---|---|
| | NA | | 0°C |
| Vapor Density (AIR = 1) | NA | Evaporation rate (Butyl Acetate = 1) | NA |

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

## Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

## Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** **Lot#**
Water 072324Q

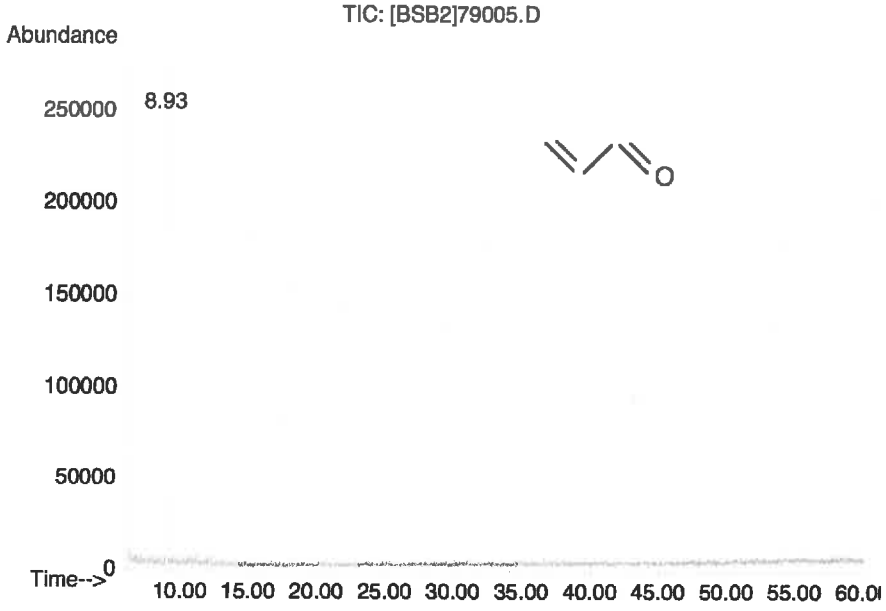
V14650-54

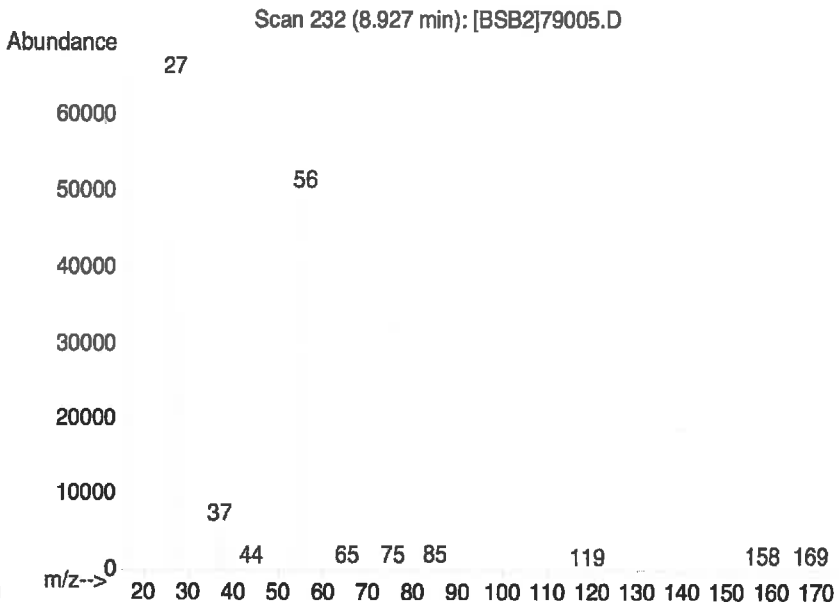
| | | |
|---|---|---|
| Prashant Chauhan | | 120524 |
| Formulated By: | Prashant Chauhan | DATE |
| Pedro Rentas | | 120524 |
| Reviewed By: | Pedro L. Rentas | DATE |

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755R02H | 5000 | 97 | 0.5 | 0.10307 | 0.10320 | 5006.1 | 51.8 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

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**Safety Data Sheet (SDS)** GHS/OSHA Compliant

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| | Hamden CT, 06514 | Date Prepared/Revised | January 1, 2024 |

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**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **P271** | **Use in ventilated area** | **H315** | **Causes skin and eye irritation.** |
| **P302,332** | **If on skin, wash with soap and water** | **P280** | **Use gloves, eye protection/face sheild** |
| | | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | % (optional) |
|---|---|---|
| Water | CAS#: 7732-18-5 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |
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| | |
|---|---|
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| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| Boiling Point | 100°C | Specific Gravity (H2O = 1) | 1 |
| Vapor Pressure (mm Hg) | | Melting Point | |

| | | | |
|---|---|---|---|
| | NA | | 0°C |
| Vapor Density (AIR = 1) | NA | Evaporation rate (Butyl Acetate = 1) | NA |

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

## Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

## Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30470 **Lot No.:** A0181905

**Description :** tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2025 **Storage:** 0°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | tert-Butanol (TBA) | 50,126.0 µg/mL | +/- 293.4988 µg/mL | Gravimetric |
| | **CAS #** 75-65-0 (Lot SHBM7694) | | +/- 1,073.7654 µg/mL | Unstressed |
| | **Purity** 99% | | +/- 1,104.9494 µg/mL | Stressed |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

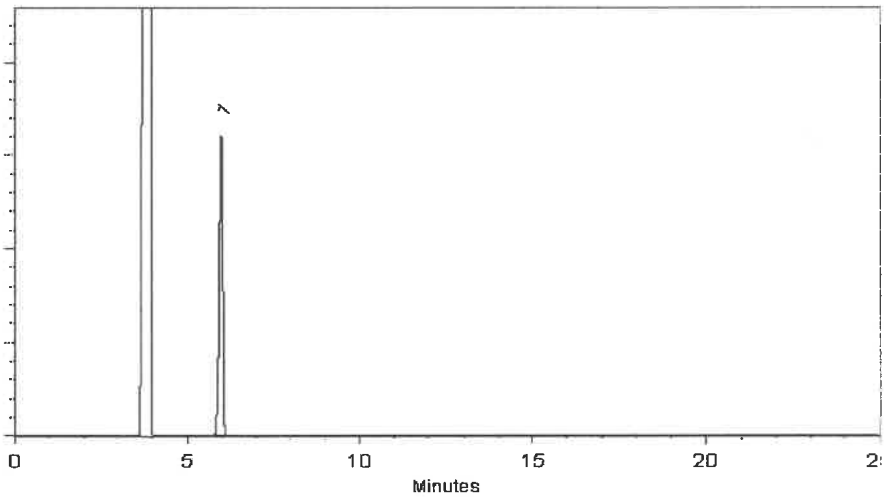
**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

**Date Mixed:** 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

**Date Passed:** 21-Feb-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

**General Certified Reference Material Notes**

**Expiration Notes:**

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

**Purity Notes:**

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

**Certified Uncertainty Value Notes:**

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

*k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions | Standard Conditions | Non-Standard Conditions |
|---|---|---|
| 25°C Nominal (Room Temperature) | < 60°C | ≥ 60°C up to 7 days |
| 10°C or colder (Refrigerate) | < 40°C | ≥ 40°C up to 7 days |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C | ≥ 25°C up to 7 days |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

**Manufacturing Notes:**

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

**Handling Notes:**

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30067 **Lot No.:** A0191805

**Description :** 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4 | 184975 | 99% | 2,483.9 µg/mL | +/- 139.5488 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

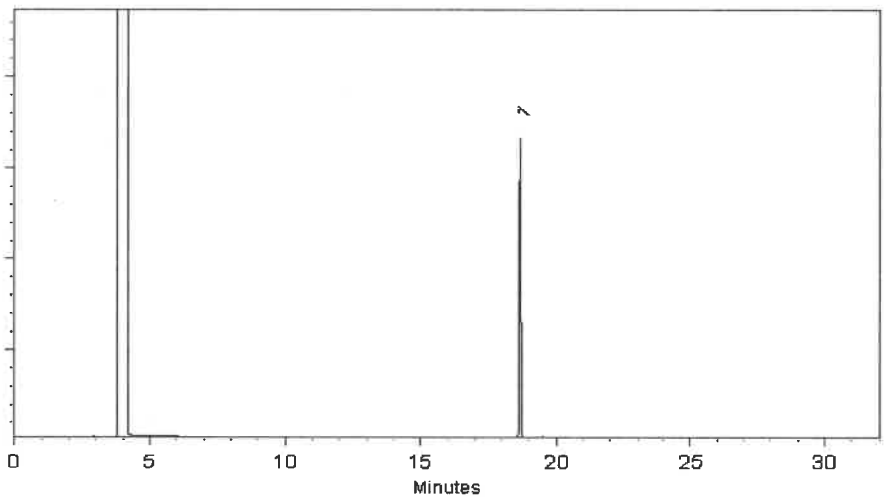
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

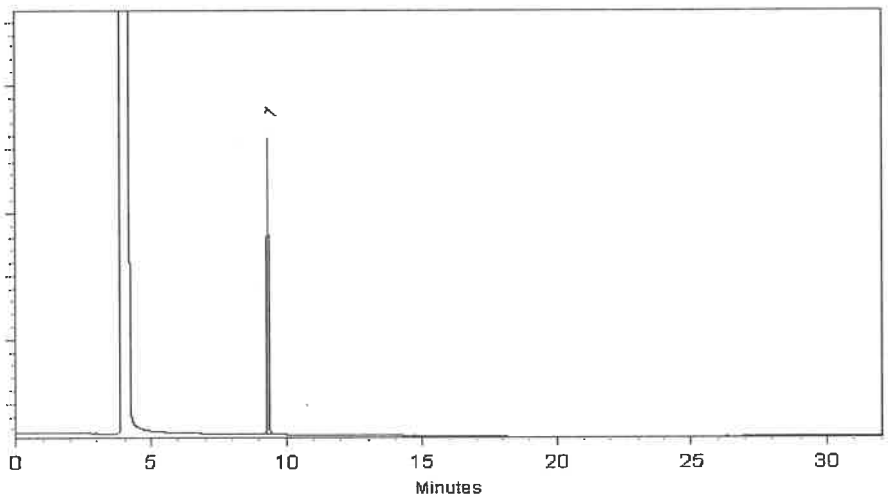
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl

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Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

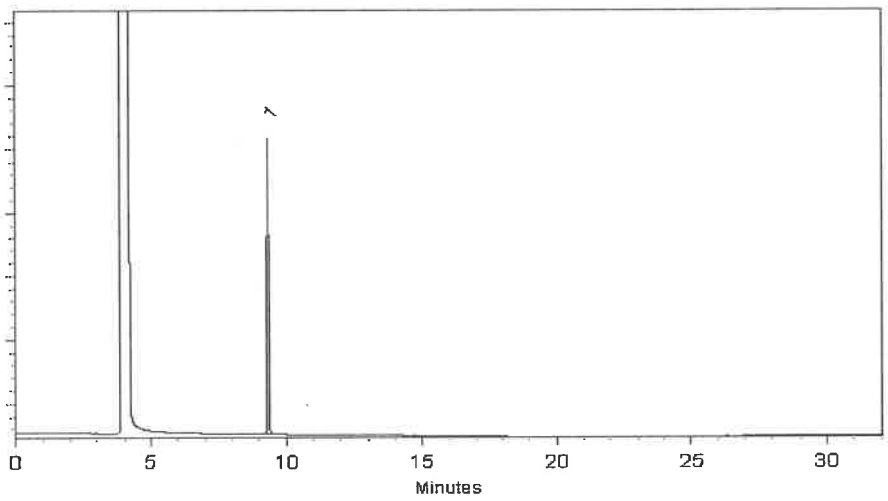
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl

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Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

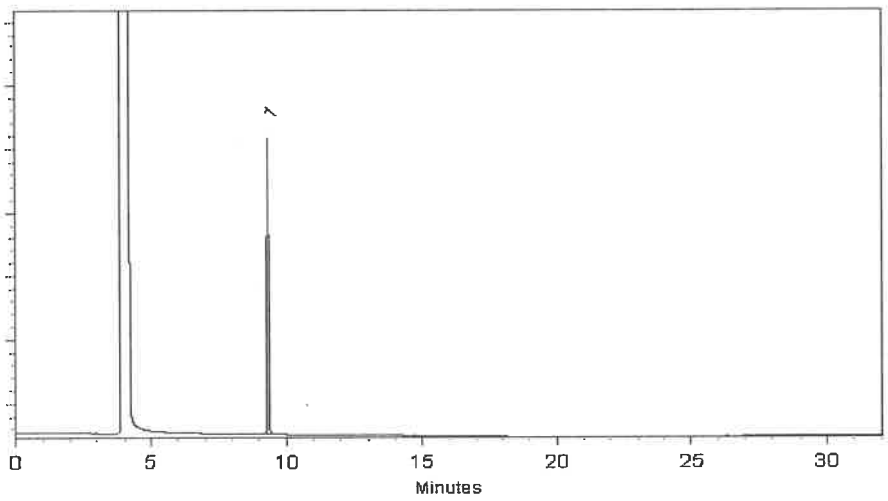
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl

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Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

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**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

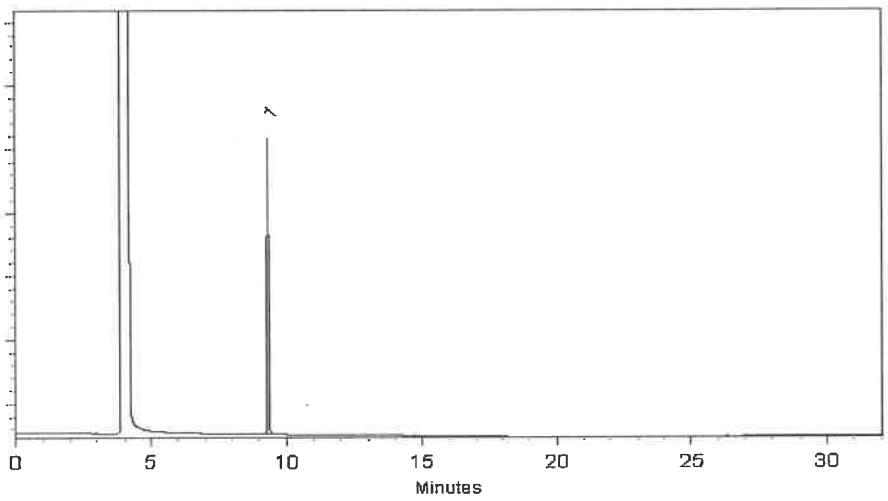
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30042 **Lot No.:** A0194279

**Description :** 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2029 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane (CFC-12) | 75-71-8 | 00012554 | 99% | 2,001.5 µg/mL | +/- 112.7231 |
| 2 | Chloromethane (methyl chloride) | 74-87-3 | SHBK6571 | 99% | 2,001.2 µg/mL | +/- 112.5863 |
| 3 | Vinyl chloride | 75-01-4 | 00015559 | 99% | 2,001.4 µg/mL | +/- 112.6561 |
| 4 | Bromomethane (methyl bromide) | 74-83-9 | 101604 | 99% | 2,006.4 µg/mL | +/- 112.8262 |
| 5 | Chloroethane (ethyl chloride) | 75-00-3 | 107-401039114-1 | 99% | 2,001.9 µg/mL | +/- 112.5897 |
| 6 | Trichlorofluoromethane (CFC-11) | 75-69-4 | MKCL8411 | 99% | 2,000.8 µg/mL | +/- 112.6473 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

**Carrier Gas:**
helium-constant flow 2.0 mL/min.

**Temp. Program:**
40°C (hold 6 min.) to 100°C
@ 6°C/min.

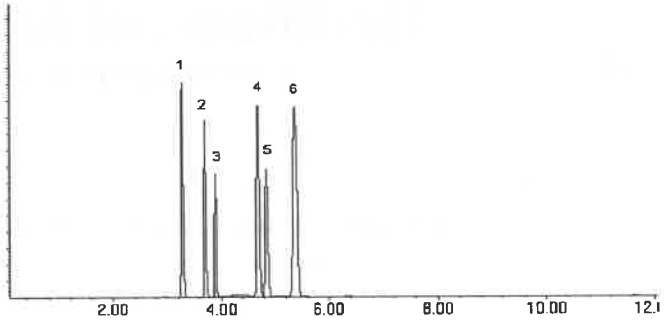
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
MSD

**Split Vent:**
Split ratio 10:1

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 07-Feb-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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# Certificate of Analysis

*gravimetric*

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555582 **Lot No.:** A0196865

**Description :** Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2-Dichloroethane-d4 | 17060-07-0 | PR-32845 | 99% | 25,036.0 µg/mL | +/- 1,417.9179 |
| 2 | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4 | 184975 | 99% | 25,132.0 µg/mL | +/- 1,423.3549 |
| 3 | Dibromofluoromethane | 1868-53-7 | 022013 | 99% | 25,040.0 µg/mL | +/- 1,418.1445 |
| 4 | Toluene-d8 | 2037-26-5 | PR-33397 | 99% | 25,028.0 µg/mL | +/- 1,417.4648 |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 11-Apr-2023 **Balance:** 1127510105

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Acetone | 67-64-1 | SHBP8774 | 99% | 5,018.5 µg/mL | +/- 173.4162 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBL5543 | 99% | 5,016.0 µg/mL | +/- 173.3298 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99% | 5,010.7 µg/mL | +/- 173.1455 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,015.0 µg/mL | +/- 173.2952 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)
**CAS #** 67-56-1/7732-18-5
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

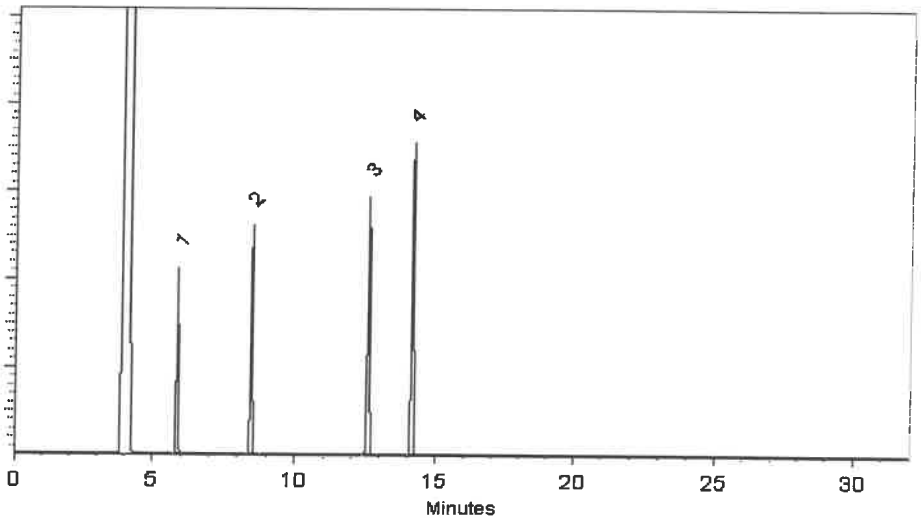
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl

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Laith Clemente - Operations Technician I

**Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

**Date Passed:** 16-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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# Certificate of Analysis

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Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Acetone | 67-64-1 | SHBP8774 | 99% | 5,018.5 µg/mL | +/- 173.4162 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBL5543 | 99% | 5,016.0 µg/mL | +/- 173.3298 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99% | 5,010.7 µg/mL | +/- 173.1455 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,015.0 µg/mL | +/- 173.2952 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)
**CAS #** 67-56-1/7732-18-5
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

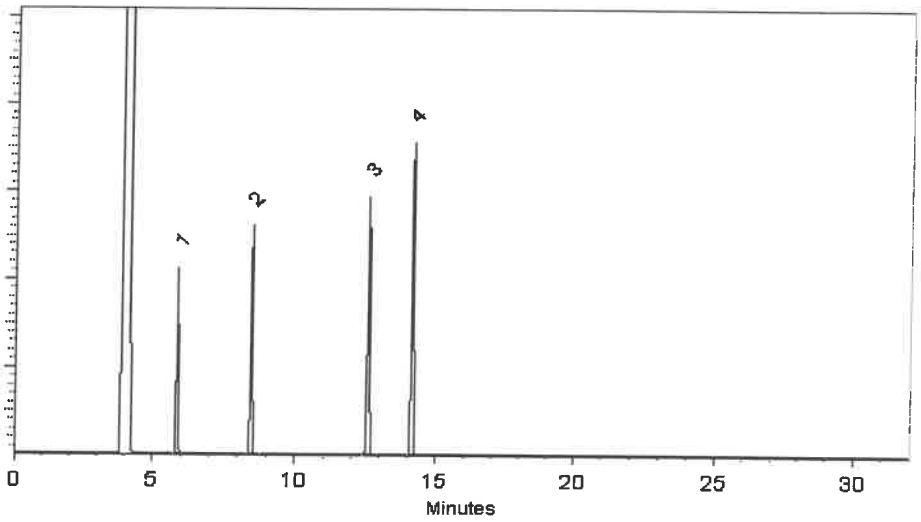
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl

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Laith Clemente - Operations Technician I

**Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

**Date Passed:** 16-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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## Manufacturing Notes:

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## Handling Notes:

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**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Acetone | 67-64-1 | SHBP8774 | 99% | 5,018.5 µg/mL | +/- 173.4162 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBL5543 | 99% | 5,016.0 µg/mL | +/- 173.3298 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99% | 5,010.7 µg/mL | +/- 173.1455 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,015.0 µg/mL | +/- 173.2952 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)
**CAS #** 67-56-1/7732-18-5
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

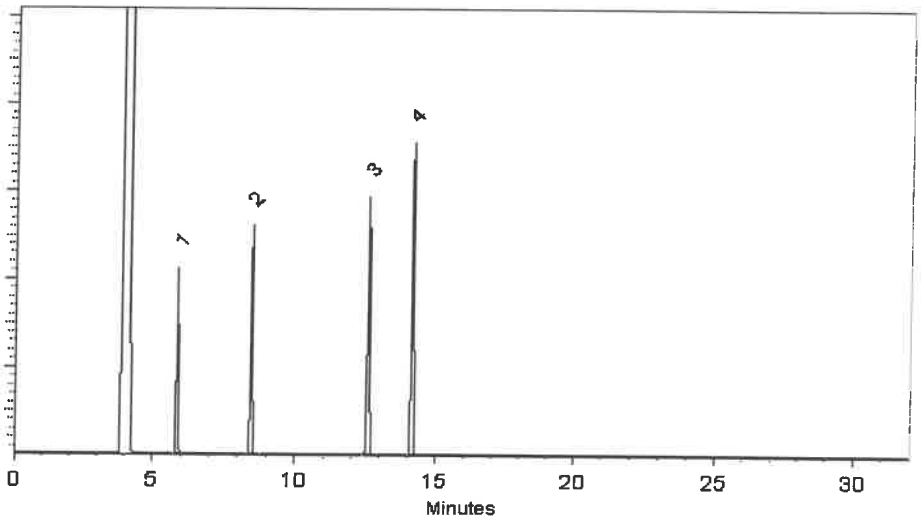
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl

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Laith Clemente - Operations Technician I

**Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

**Date Passed:** 16-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

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## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*chromatographic*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555408-SL **Lot No.:** A0205179

**Description :** Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 8,075.2 µg/mL | +/- 279.1159 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

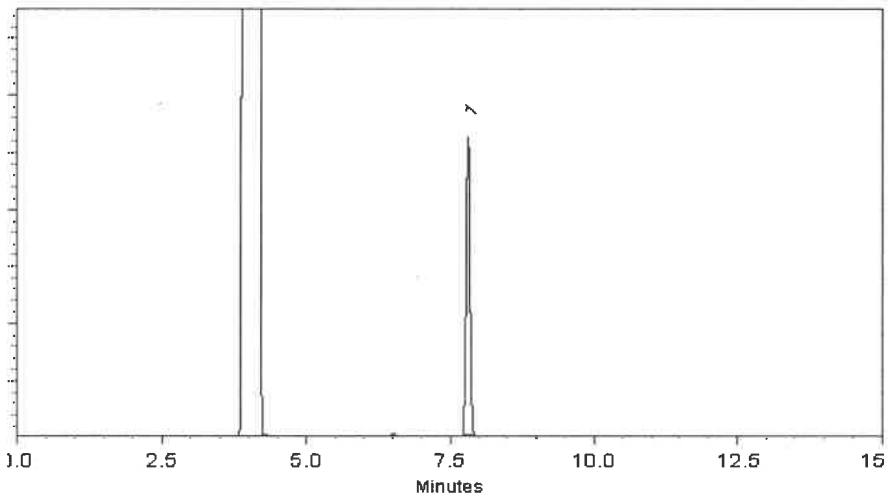
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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# Certificate of Analysis

*chromatographic*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555408-SL **Lot No.:** A0205179

**Description :** Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 8,075.2 µg/mL | +/- 279.1159 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

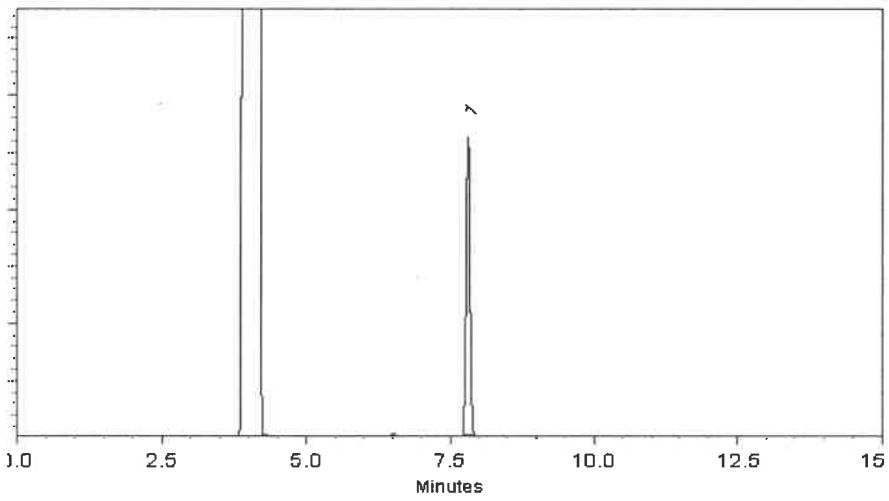
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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# Certificate of Analysis

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Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Methyl acetate | 79-20-9 | SHBP3100 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 2 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 2,016.8 µg/mL | +/- 69.7112 |
| 3 | Ethyl acetate | 141-78-6 | SHBQ9682 | 99% | 2,010.7 µg/mL | +/- 69.4979 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,016.0 µg/mL | +/- 69.6822 |
| 5 | Propyl acetate | 109-60-4 | P8XLN | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 6 | Butyl acetate | 123-86-4 | SHBP6314 | 99% | 2,007.3 µg/mL | +/- 69.3826 |
| 7 | Amyl acetate | 628-63-7 | 41325/1 | 97% | 2,004.7 µg/mL | +/- 69.2905 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

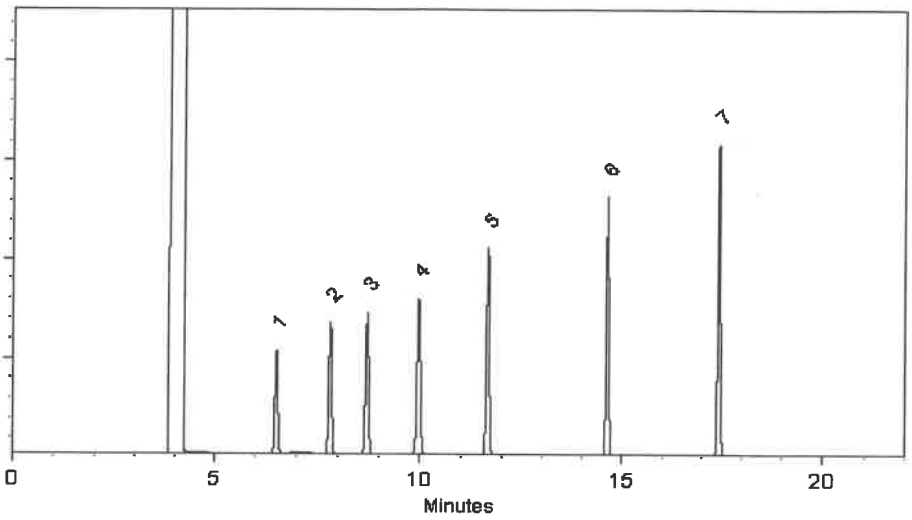
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

**Date Passed:** 01-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Methyl acetate | 79-20-9 | SHBP3100 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 2 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 2,016.8 µg/mL | +/- 69.7112 |
| 3 | Ethyl acetate | 141-78-6 | SHBQ9682 | 99% | 2,010.7 µg/mL | +/- 69.4979 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,016.0 µg/mL | +/- 69.6822 |
| 5 | Propyl acetate | 109-60-4 | P8XLN | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 6 | Butyl acetate | 123-86-4 | SHBP6314 | 99% | 2,007.3 µg/mL | +/- 69.3826 |
| 7 | Amyl acetate | 628-63-7 | 41325/1 | 97% | 2,004.7 µg/mL | +/- 69.2905 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

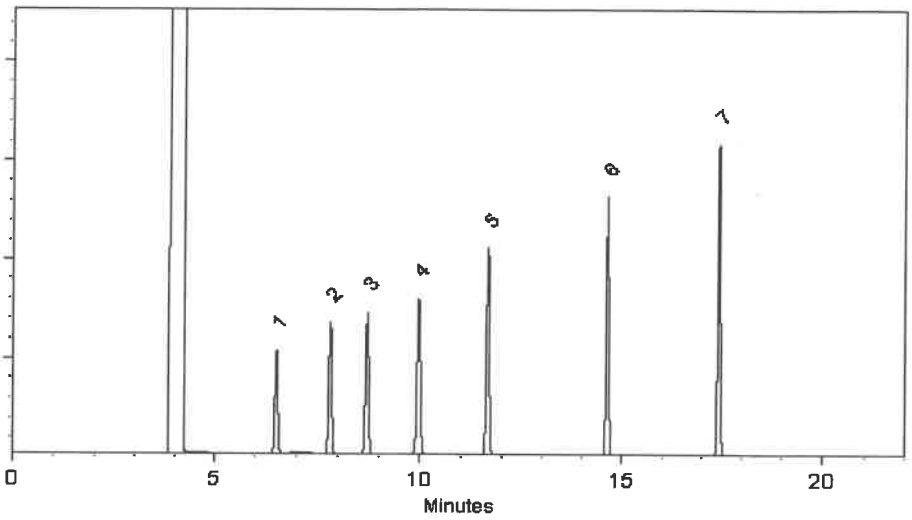
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

**Date Passed:** 01-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

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Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555581 **Lot No.:** A0210184

**Description :** Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2027 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 25,212.0 µg/mL | +/- 1,427.8857 |
| 2 | 1,4-Difluorobenzene | 540-36-3 | MKCS8657 | 99% | 25,220.0 µg/mL | +/- 1,428.3388 |
| 3 | Chlorobenzene-d5 | 3114-55-4 | PR-31132 | 99% | 25,116.0 µg/mL | +/- 1,422.4487 |
| 4 | Pentafluorobenzene | 363-72-4 | MKCR9383 | 99% | 25,180.0 µg/mL | +/- 1,426.0734 |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.03 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis - Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
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| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
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| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis - Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
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500 Series for Drinking Water
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Country of Origin: USA
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James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
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Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.03 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis - Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. PS317
COC Number 2041881

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: E. VIVAUDOU
PHONE: FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO.: 60731872 LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

### CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY OSSINING STATE: NY ZIP: 10562
ATTENTION: E. VIVAUDOU PHONE:

### DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☒ EDD FORMAT NYSDEC EDD CAT B

### ANALYSIS

1: VOCs 8260
2: 1,4 DIOXANE SIM 8270

### PRESERVATIVES

A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER

### COMMENTS

← Specify Preservatives

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | BE1402- 20241216 | GW | | X | 12-16-24 | 0915 | 3 | 2 | 1 | | | | | | | |
| 2. | RW4- 20241216 | GW | | X | | 1100 | 3 | 2 | 1 | | | | | | | |
| 3. | TT19ID1- 20241216 | GW | | X | | 1036 | 3 | 2 | 1 | | | | | | | |
| 4. | TT19D2- 20241216 | GW | | X | | 0934 | 3 | 2 | 1 | | | | | | | |
| 5. | TT163S1- 20241216 | GW | | X | | 1320 | 3 | 2 | 1 | | | | | | | |
| 6. | DUP-04- 20241216 | GW | | X | | — | 3 | 2 | 1 | | | | | | | |
| 7. | RW8-MW01S- 20241216 | GW | | X | | 1405 | 3 | 2 | 1 | | | | | | | |
| 8. | RW8-MW01D1- 20241216 | GW | | X | | 1257 | 3 | 2 | 1 | | | | | | | |
| 9. | TT158S1- 20241217 | GW | | X | 12-17-24 | 0845 | 3 | 2 | 1 | | | | | | | |
| 10. | TT158I1- 20241217 | GW | | X | 12-17-24 | 0940 | 3 | 2 | 1 | | | | | | | |

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. | 12-17-24 | 1. 1530 12-17-24 |
| 2. | | 2. |
| 3. | 12-17-24 1830 | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.9 °C
Comments:

Page 1 of 3

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. PS317
QUOTE NO.
COC Number 2041249

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO. 60731872 LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

### CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY OSSINING STATE: NY ZIP: 10562
ATTENTION: E. VIVAUDOU PHONE:

### DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ US EPA CLP
- ☐ Other
- ☒ EDD FORMAT NYSDEC EQUIS B

### ANALYSIS

1 VOCs 8260
2 1,4 DIOXANE 8270
3 SIM
4
5
6
7
8
9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | A/E | E | | | | | | | | ← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER |
| 1. | DUP-05-20241217 | GW | | X | 12-17-24 | — | 3 | 2 | 1 | | | | | | | | |
| 2. | RESOLUTION-172S1-20241217 | GW | | X | | 1200 | 3 | 2 | 1 | | | | | | | | |
| 3. | RW9-MW01S-20241217 | GW | | X | | 1110 | 3 | 2 | 1 | | | | | | | | |
| 4. | RW9-MW01D1-20241217 | GW | | X | | 1110 | 3 | 2 | 1 | | | | | | | | |
| 5. | RW9-MW01D2-20241217 | GW | | X | | 0930 | 3 | 2 | 1 | | | | | | | | |
| 6. | RW9-MW01D3-20241217 | GW | | X | | 0945 | 3 | 2 | 1 | | | | | | | | |
| 7. | DUP-06-20241217 | GW | | X | | — | 3 | 2 | 1 | | | | | | | | |
| 8. | RE132D5-20241217 | GW | | X | | 0835 | 9 | 6 | 3 | | | | | | | | |
| 9. | RE132D6-20241217 | GW | | X | | 0945 | 3 | 2 | 1 | | | | | | | | |
| 10. | RE132D7-20241217 | GW | | X | | 1130 | 3 | 2 | 1 | | | | | | | | |

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. RELINQUISHED BY SAMPLER: | 12-17-24 | 1. 1530 12-17-24 |
| 2. RELINQUISHED BY SAMPLER: | DATE/TIME: | 2. RECEIVED BY: |
| 3. RELINQUISHED BY SAMPLER: | DATE/TIME: 1830 12-17-24 | 3. RECEIVED BY: |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments:

Page 2 of 3

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. PS317
COC Number 2041052

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO. 60731872 LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

### CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY OSSINING STATE: NY ZIP: 10562
ATTENTION: E. VIVAUDOU PHONE:

### DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other
X EDD FORMAT NYSDEC EDD CAT B

### ANALYSIS

1 VOCs 8260 2 1,4 DIOXANE 8270 SIM 3 4 5 6 7 8 9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | TB | DW | | X | 11-5-24 | — | 2 | 2 | | | | | | | | |
| 2. | RWS-MW01D2-20241217 | GW | | X | 12-17-24 | 1345 | 3 | 2 | 1 | | | | | | | |
| 3. | RWS-MW01D3-20241217 | GW | | X | 12-17-24 | 1430 | 3 | 2 | 1 | | | | | | | |
| 4. | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

E

### COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. | 12-17-24 1530 | 1. 12-17-24 |
| 2. | | 2. |
| 3. | 12-17-24 1830 | 3. |

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.5 °C
Comments:

Page 3 of 3

CLIENT: ❑ Hand Delivered ❑ Other
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

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CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| CAS EPA CLP Contract | 68HERH20D0011 |
| Connecticut | PH-0830 |
| DOD ELAP (ANAB) | L2219 |
| Maine | 2024021 |
| Maryland | 296 |
| New Hampshire | 255424 Rev 1 |
| New Jersey | 20012 |
| New York | 11376 |
| Pennsylvania | 68-00548 |
| Soil Permit | 525-24-234-08441 |
| Texas | T104704488 |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P5317 AECO15
**Client Name :** AECOM Technical Service
**Client Contact :** Eleanor Vivadou
**Invoice Name :** AECOM Technical Service
**Invoice Contact :** Eleanor Vivadou

**Order Date :** 12/17/2024 3:48:00 PM
**Project Name :** NAVFAC NWIRP Bethpag
**Receive DateTime :** 12/17/2024 6:30:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Results Only
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| P5317-01 | RE114D2-20241216 | Water | 12/16/2024 | 09:15 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-02 | RW4-20241216 | Water | 12/16/2024 | 11:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-03 | TT191D1-20241216 | Water | 12/16/2024 | 10:36 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-04 | TT191D2-20241216 | Water | 12/16/2024 | 09:34 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-05 | TT163S1-20241216 | Water | 12/16/2024 | 13:20 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-06 | DUP-04-20241216 | Water | 12/16/2024 | 00:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-07 | RW8-MW01S-20241216 | Water | 12/16/2024 | 14:05 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-08 | RW8-MW01D1-20241216 | Water | 12/16/2024 | 12:57 | | | | | |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P5317 AECO15
**Client Name :** AECOM Technical Services
**Client Contact :** Eleanor Vivadou
**Invoice Name :** AECOM Technical Services
**Invoice Contact :** Eleanor Vivadou

**Order Date :** 12/17/2024 3:48:00 PM
**Project Name :** NAVFAC NWIRP Bethpage
**Receive DateTime :** 12/17/2024 6:30:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Results Only
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | | |
| P5317-09 | TT158S1-20241217 | Water | 12/17/2024 | 08:45 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | | |
| P5317-10 | TT158I1-20241217 | Water | 12/17/2024 | 09:40 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | | |
| P5317-11 | DUP-05-20241217 | Water | 12/17/2024 | 00:00 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | | |
| P5317-12 | TT172S1-20241217 | Water | 12/17/2024 | 12:00 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | | |
| P5317-13 | RW9-MW01S-20241217 | Water | 12/17/2024 | 11:10 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | | |
| P5317-14 | RW9-MW01D1-20241217 | Water | 12/17/2024 | 11:10 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | | |
| P5317-15 | RW9-MW01D2-20241217 | Water | 12/17/2024 | 09:30 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | | |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P5317 AECO15
**Client Name :** AECOM Technical Service
**Client Contact :** Eleanor Vivadou
**Invoice Name :** AECOM Technical Service
**Invoice Contact :** Eleanor Vivadou

**Order Date :** 12/17/2024 3:48:00 PM
**Project Name :** NAVFAC NWIRP Bethpag
**Receive DateTime :** 12/17/2024 6:30:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Results Only
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| P5317-16 | RW9-MW01D3-20241217 | Water | 12/17/2024 | 09:45 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-17 | DUP-06-20241217 | Water | 12/17/2024 | 00:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-18 | RE132D5-20241217 | Water | 12/17/2024 | 08:35 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-19 | P5317-18MS | Water | 12/17/2024 | 08:35 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-20 | P5317-18MSD | Water | 12/17/2024 | 08:35 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-21 | RE132D6-20241217 | Water | 12/17/2024 | 09:45 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-22 | RE132D7-20241217 | Water | 12/17/2024 | 11:30 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-23 | TB | Water | 12/17/2024 | 00:00 | | | | | |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P5317 AECO15
**Client Name :** AECOM Technical Service
**Client Contact :** Eleanor Vivadou
**Invoice Name :** AECOM Technical Service
**Invoice Contact :** Eleanor Vivadou

**Order Date :** 12/17/2024 3:48:00 PM
**Project Name :** NAVFAC NWIRP Bethpag
**Receive DateTime :** 12/17/2024 6:30:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Results Only
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-24 | RW8-MW01D2-20241217 | Water | 12/17/2024 | 13:45 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| P5317-25 | RW8-MW01D3-20241217 | Water | 12/17/2024 | 14:30 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |

**Relinguished By :** [signature]
**Date / Time :** 12.18.24 1045

**Received By :** [signature]
**Date / Time :** 12.18.24 10:45
**Storage Area :** VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 141947 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 253574 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 213862 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 88334 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 3407 | 1.369 | ug/l | 0.01 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 2.740%# | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 2117 | 1.205 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 2.420%# | | |
| 50) Toluene-d8 | 8.653 | 98 | 6848 | 1.156 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 2.320%# | | |
| 62) 4-Bromofluorobenzene | 11.091 | 95 | 2398 | 1.158 | ug/l | 0.01 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 2.320%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 2491 | 1.135 | ug/l | 98 |
| 3) Chloromethane | 1.300 | 50 | 2109 | 1.005 | ug/l | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 2285 | 1.045 | ug/l # | 85 |
| 5) Bromomethane | 1.593 | 94 | 1882 | 1.213 | ug/l | 94 |
| 6) Chloroethane | 1.672 | 64 | 1176 | 0.864 | ug/l | 92 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 4491 | 1.049 | ug/l | 96 |
| 8) Diethyl Ether | 2.129 | 74 | 1651 | 1.130 | ug/l | 78 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 1796 | 1.037 | ug/l | 95 |
| 10) Methyl Iodide | 2.440 | 142 | 2045 | 0.896 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.989 | 59 | 972 | 2.776 | ug/l # | 71 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 1454 | 0.914 | ug/l | 90 |
| 13) Acrolein | 2.233 | 56 | 2449 | 4.823 | ug/l | 84 |
| 14) Allyl chloride | 2.660 | 41 | 2551 | 0.963 | ug/l # | 91 |
| 15) Acrylonitrile | 3.068 | 53 | 4528 | 4.660 | ug/l | 98 |
| 16) Acetone | 2.385 | 43 | 5096 | 5.022 | ug/l | 97 |
| 17) Carbon Disulfide | 2.501 | 76 | 2387 | 0.789 | ug/l | 99 |
| 18) Methyl Acetate | 2.702 | 43 | 2739 | 1.047 | ug/l # | 86 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 5832 | 0.939 | ug/l # | 91 |
| 20) Methylene Chloride | 2.776 | 84 | 1928 | 1.012 | ug/l # | 74 |
| 21) trans-1,2-Dichloroethene | 3.080 | 96 | 1703 | 1.007 | ug/l # | 79 |
| 22) Diisopropyl ether | 3.763 | 45 | 5792 | 0.971 | ug/l # | 83 |
| 23) Vinyl Acetate | 3.733 | 43 | 17578 | 3.623 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 3040 | 0.914 | ug/l | 96 |
| 25) 2-Butanone | 4.586 | 43 | 6380 | 4.423 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 2220 | 0.821 | ug/l | 85 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 2296 | 1.069 | ug/l | 81 |
| 28) Bromochloromethane | 4.909 | 49 | 1641 | 1.006 | ug/l # | 72 |
| 29) Tetrahydrofuran | 5.025 | 42 | 4158 | 4.491 | ug/l # | 84 |
| 30) Chloroform | 5.086 | 83 | 3943 | 1.055 | ug/l | 91 |
| 31) Cyclohexane | 5.470 | 56 | 2594 | 0.966 | ug/l # | 80 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 2818 | 0.908 | ug/l # | 48 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 1178 | 0.519 | ug/l | 92 |
| 37) Ethyl Acetate | 4.727 | 43 | 2718 | 0.969 | ug/l # | 71 |
| 38) Carbon Tetrachloride | 5.678 | 117 | 2454 | 1.004 | ug/l # | 73 |
| 39) Methylcyclohexane | 7.366 | 83 | 2606 | 0.960 | ug/l | 93 |
| 40) Benzene | 6.037 | 78 | 6864 | 0.996 | ug/l | 92 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 390 | 0.262 | ug/l | # | 1 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 2810 | 0.990 | ug/l | | 93 |
| 43) Isopropyl Acetate | 6.354 | 43 | 3734 | 0.851 | ug/l | | 98 |
| 44) Trichloroethene | 7.122 | 130 | 1806 | 1.051 | ug/l | | 71 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 1865 | 1.059 | ug/l | # | 74 |
| 46) Dibromomethane | 7.592 | 93 | 1251 | 0.916 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.830 | 83 | 1926 | 0.816 | ug/l | # | 74 |
| 48) Methyl methacrylate | 7.720 | 41 | 2168 | 1.018 | ug/l | # | 77 |
| 49) 1,4-Dioxane | 7.702 | 88 | 289 | 7.943 | ug/l | # | 71 |
| 51) 4-Methyl-2-Pentanone | 8.579 | 43 | 12824 | 4.547 | ug/l | | 95 |
| 52) Toluene | 8.720 | 92 | 4606 | 1.064 | ug/l | | 92 |
| 53) t-1,3-Dichloropropene | 8.988 | 75 | 1716 | 1.694 | ug/l | # | 78 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 2048 | 0.797 | ug/l | # | 75 |
| 55) 1,1,2-Trichloroethane | 9.159 | 97 | 1710 | 0.994 | ug/l | # | 83 |
| 56) Ethyl methacrylate | 9.128 | 69 | 2490 | 0.917 | ug/l | # | 85 |
| 57) 1,3-Dichloropropane | 9.317 | 76 | 2929 | 0.979 | ug/l | | 94 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 5621 | 4.105 | ug/l | | 96 |
| 59) 2-Hexanone | 9.439 | 43 | 8199 | 4.017 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.524 | 129 | 1289 | 1.953 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 1535 | 0.877 | ug/l | | 95 |
| 64) Tetrachloroethene | 9.274 | 164 | 1536 | 1.082 | ug/l | | 86 |
| 65) Chlorobenzene | 10.079 | 112 | 4835 | 1.055 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 1288 | 0.875 | ug/l | # | 63 |
| 67) Ethyl Benzene | 10.195 | 91 | 7924 | 1.001 | ug/l | # | 88 |
| 68) m/p-Xylenes | 10.305 | 106 | 5583 | 1.922 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 2933 | 0.998 | ug/l | | 96 |
| 70) Styrene | 10.658 | 104 | 4306 | 0.914 | ug/l | | 94 |
| 71) Bromoform | 10.805 | 173 | 584 | 1.847 | ug/l | # | 72 |
| 73) Isopropylbenzene | 10.963 | 105 | 6474 | 0.957 | ug/l | | 100 |
| 74) N-amyl acetate | 10.847 | 43 | 2536 | 0.811 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.219 | 83 | 2491 | 1.061 | ug/l | | 95 |
| 76) 1,2,3-Trichloropropane | 11.244 | 75 | 2810 | 1.402 | ug/l | | 81 |
| 77) Bromobenzene | 11.201 | 156 | 1783 | 1.087 | ug/l | | 91 |
| 78) n-propylbenzene | 11.305 | 91 | 6606 | 0.884 | ug/l | | 86 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 5194 | 1.075 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 5417 | 0.966 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.030 | 75 | 402 | 6.098 | ug/l | | 86 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 5236 | 0.978 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 5601 | 1.011 | ug/l | | 91 |
| 84) 1,2,4-Trimethylbenzene | 11.756 | 105 | 4769 | 0.866 | ug/l | | 95 |
| 85) sec-Butylbenzene | 11.890 | 105 | 6500 | 0.966 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.012 | 119 | 5210 | 0.930 | ug/l | | 93 |
| 87) 1,3-Dichlorobenzene | 11.975 | 146 | 2684 | 0.937 | ug/l | | 94 |
| 88) 1,4-Dichlorobenzene | 11.975 | 146 | 2684 | 0.912 | ug/l | | 94 |
| 89) n-Butylbenzene | 12.335 | 91 | 3973 | 0.844 | ug/l | | 94 |
| 90) Hexachloroethane | 12.536 | 117 | 632 | 0.773 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 3082 | 1.036 | ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 392 | 0.860 | ug/l | | 70 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 1361 | 0.835 | ug/l | | 92 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 689 | 1.051 | ug/l | | 96 |
| 95) Naphthalene | 13.780 | 128 | 5167 | 0.812 | ug/l | # | 94 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 1509 | 0.873 | ug/l | | 95 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

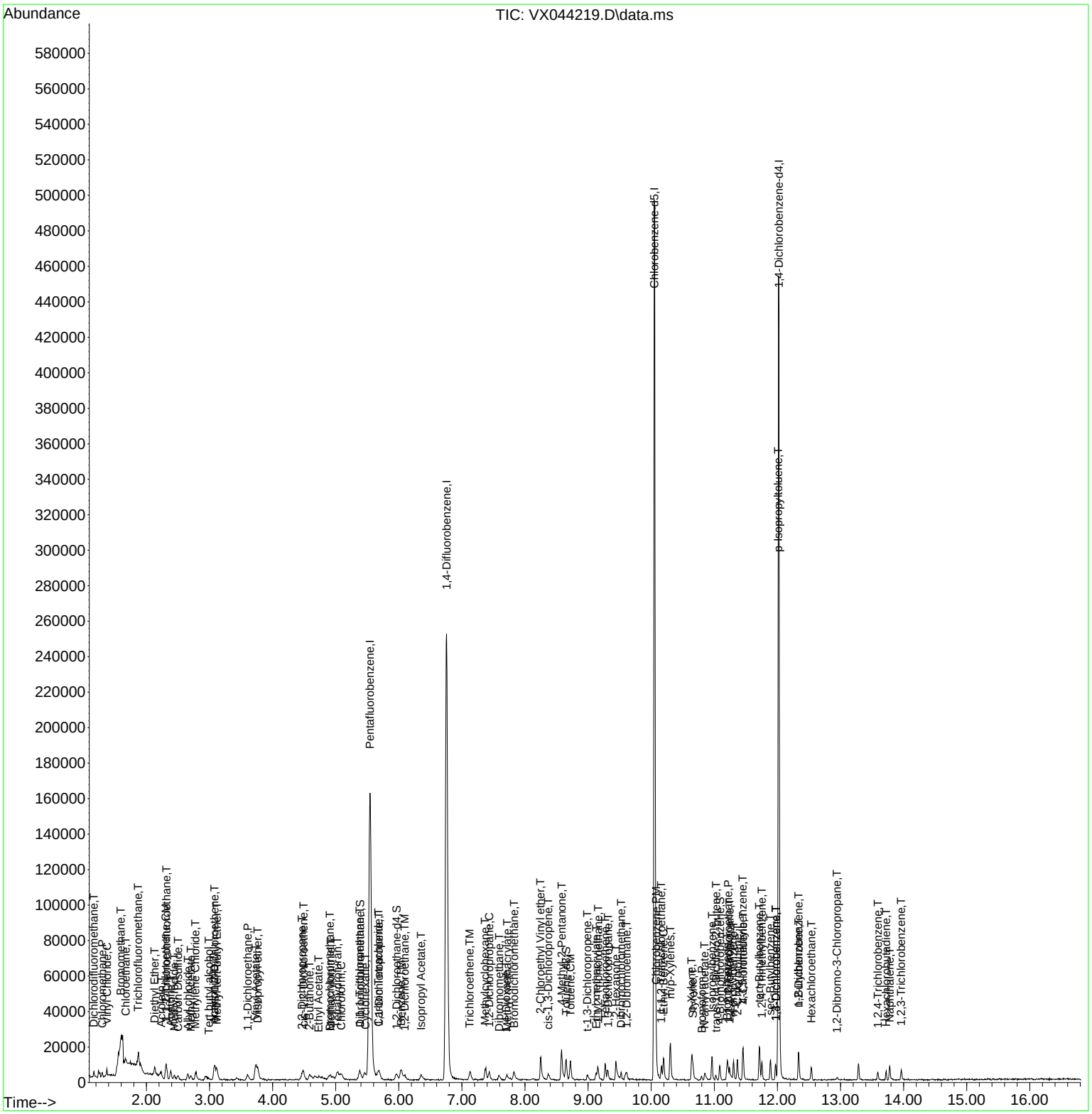
(#) = qualifier out of range (m) = manual integration (+) = signals summed

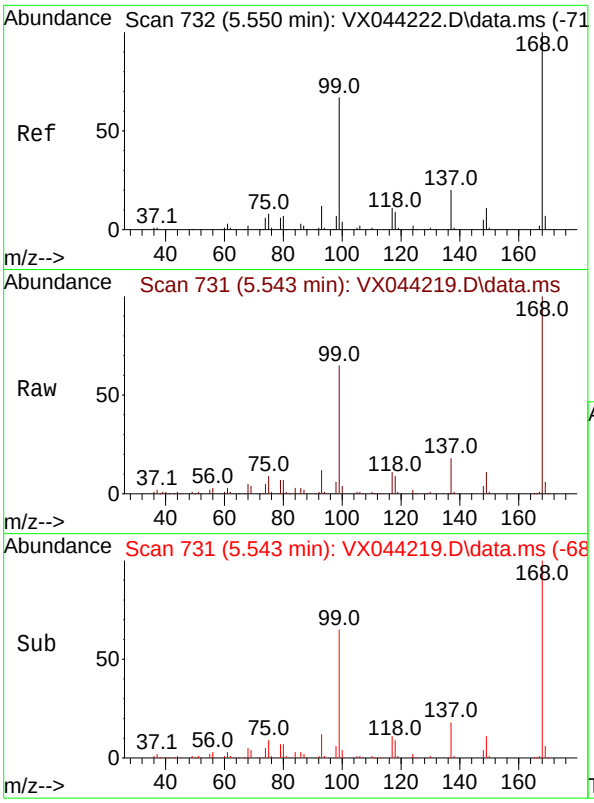
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



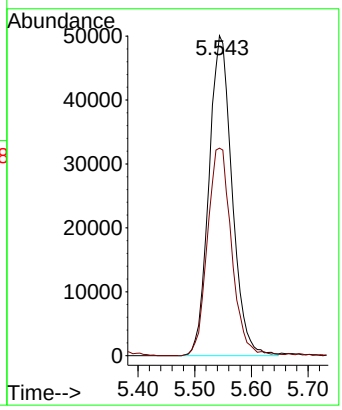


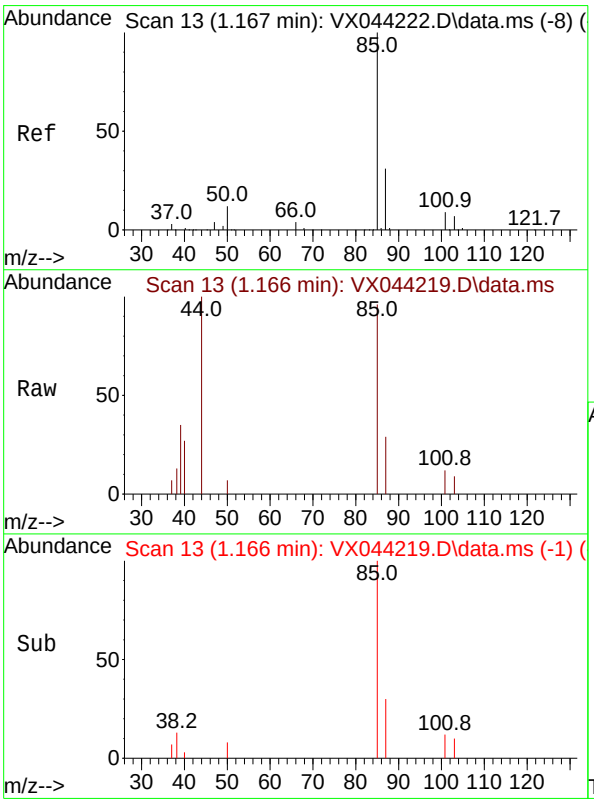

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:168 Resp: 141947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.9 | 53.4 | 80.0 |

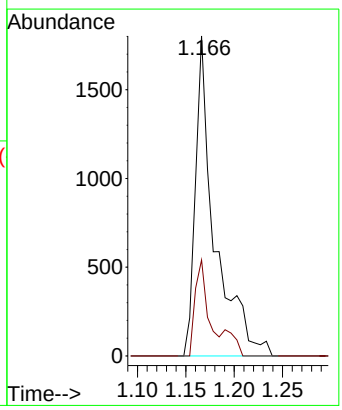


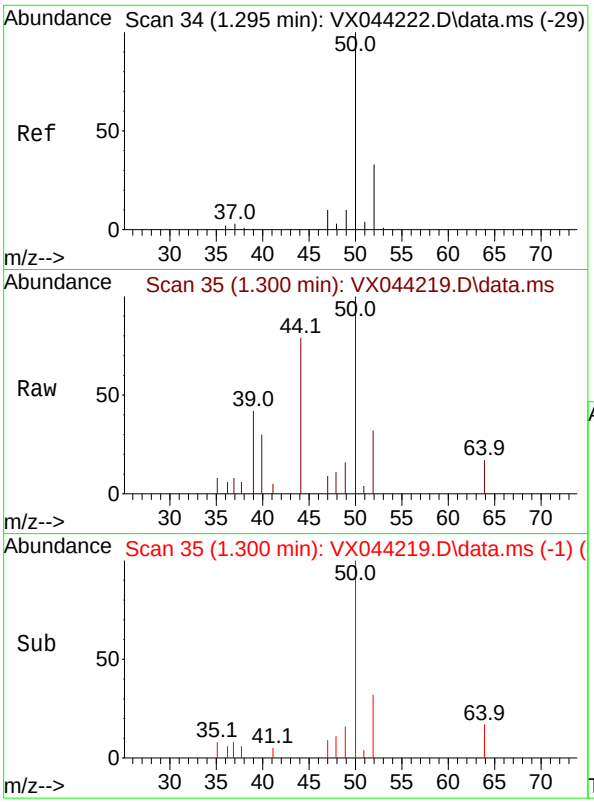




#2
Dichlorodifluoromethane
Concen: 1.135 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 85 Resp: 2491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.0 | 15.4 | 46.4 |



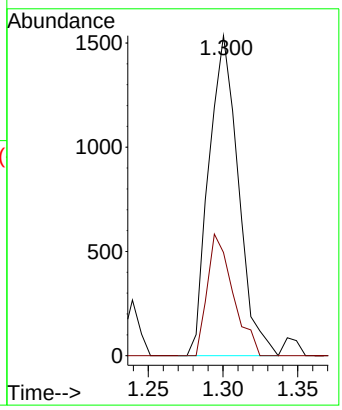


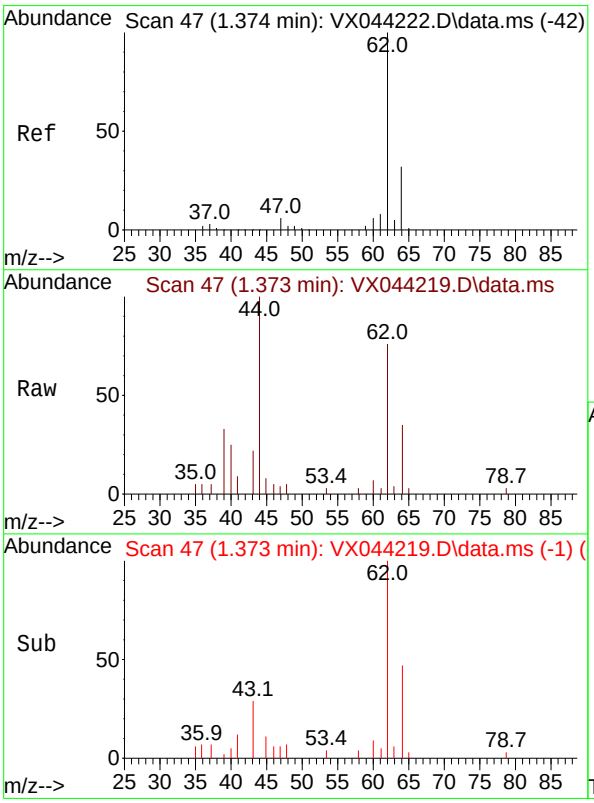

#3
Chloromethane
Concen: 1.005 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 50 Resp: 2109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 26.5 | 39.7 |

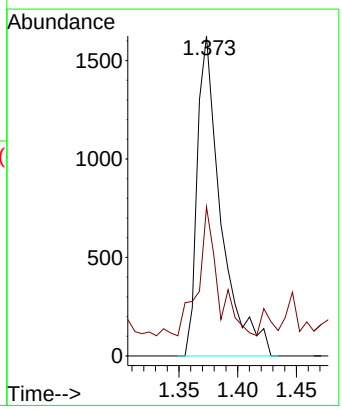


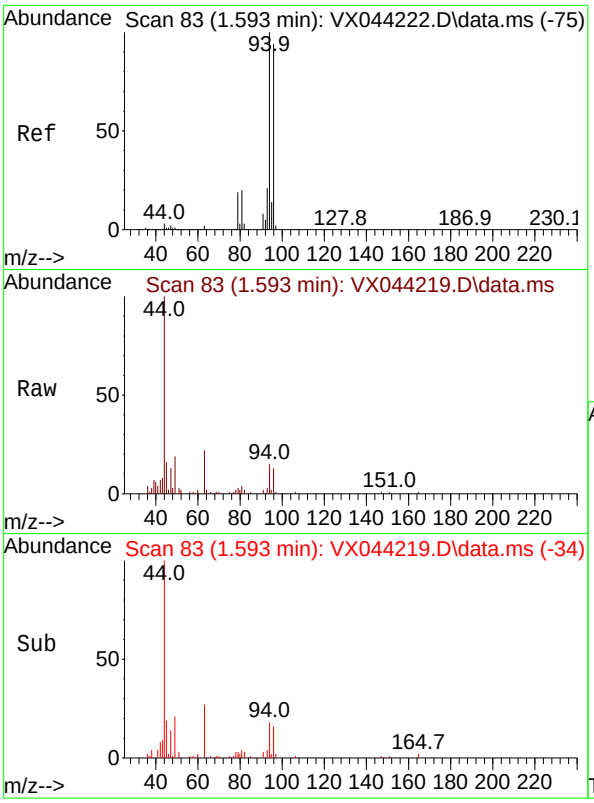




#4
Vinyl Chloride
Concen: 1.045 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 62 Resp: 2285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 40.3 | 25.7 | 38.5# |



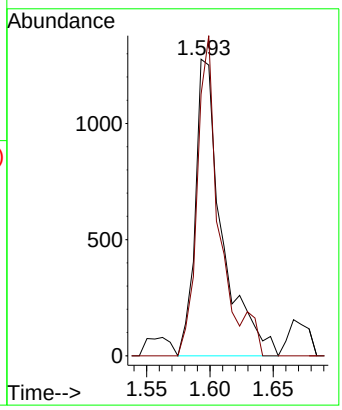


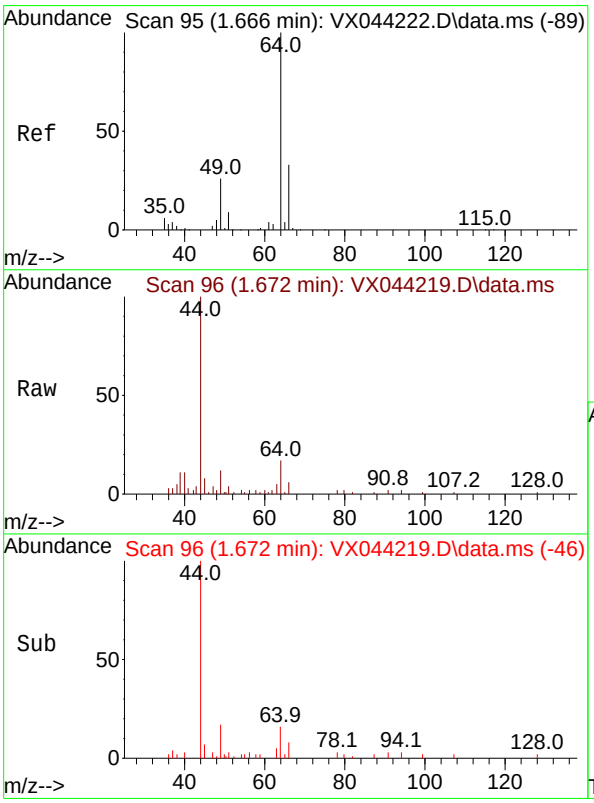

#5
Bromomethane
Concen: 1.213 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 94 Resp: 1882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 88.2 | 74.9 | 112.3 |

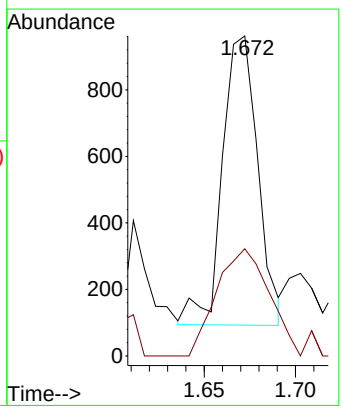


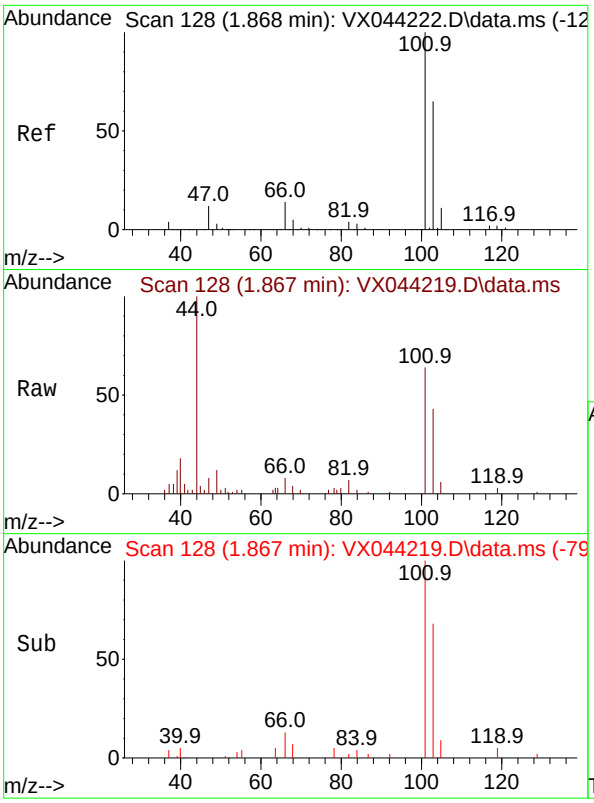




#6
Chloroethane
Concen: 0.864 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 64 Resp: 1176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 37.6 | 26.6 | 39.8 |



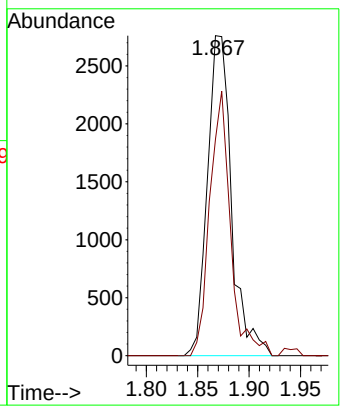


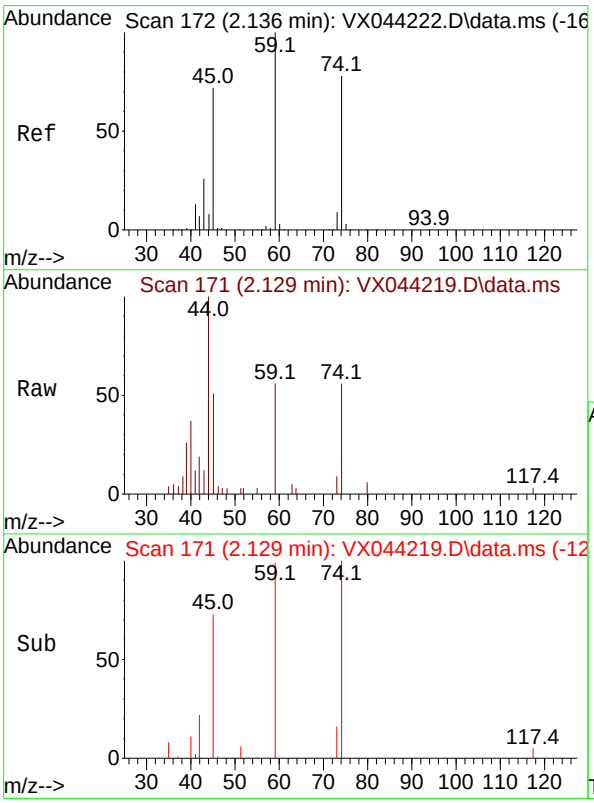

#7
Trichlorofluoromethane
Concen: 1.049 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:101 Resp: 4491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.7 | 51.8 | 77.8 |

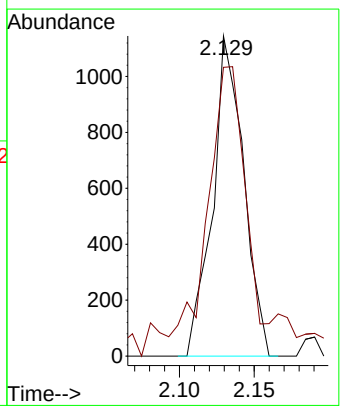


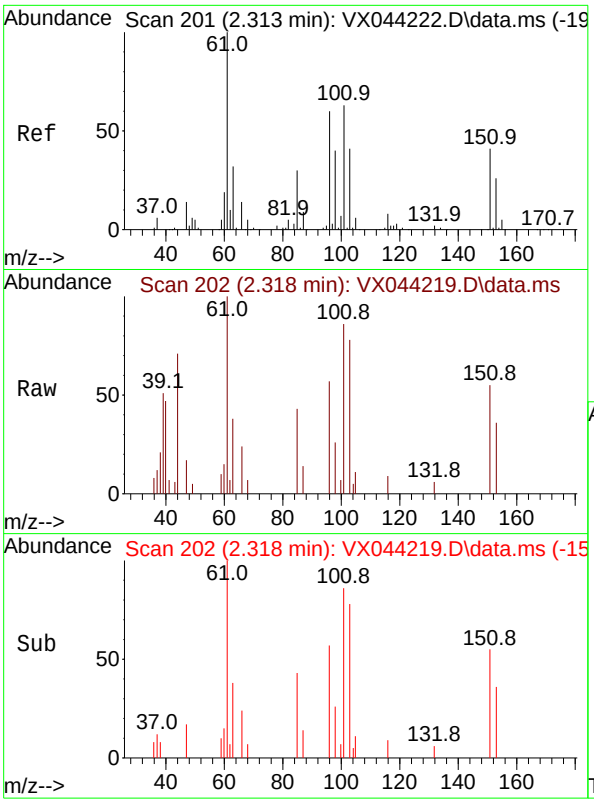




#8
Diethyl Ether
Concen: 1.130 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 74 Resp: 1651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 118.0 | 48.4 | 145.0 |



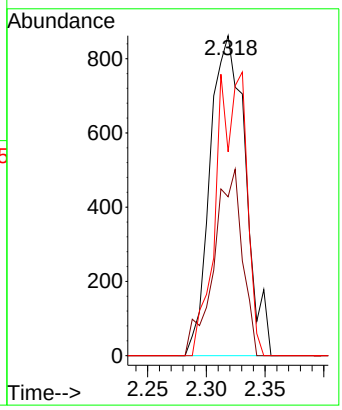


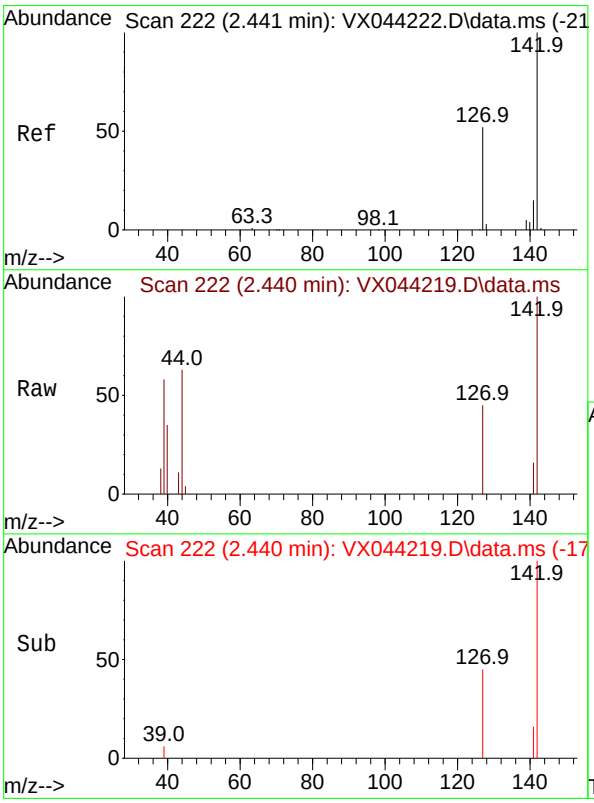

#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.037 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:101 Resp: 1796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.3 | 38.5 | 57.7 |
| 151 | 76.1 | 55.8 | 83.6 |

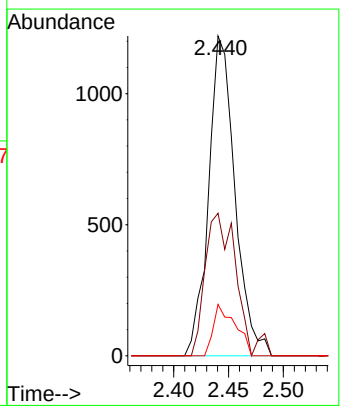


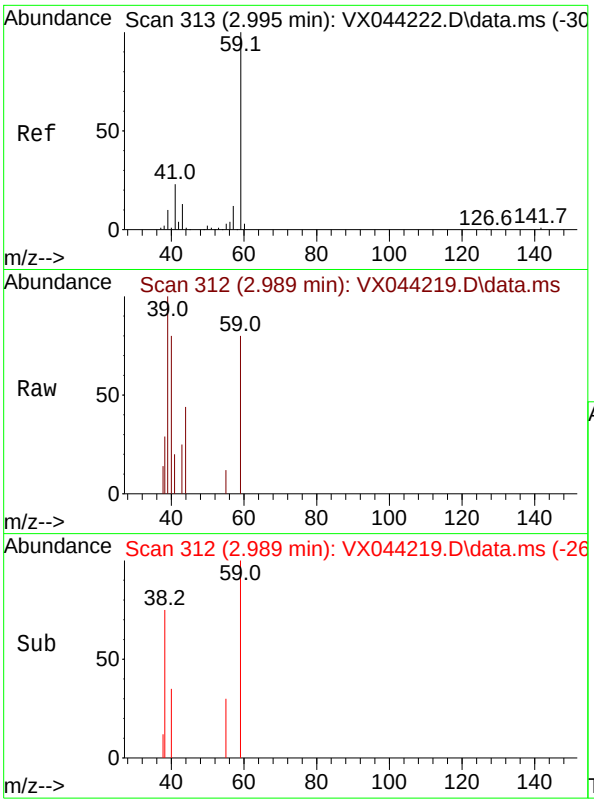




#10
Methyl Iodide
Concen: 0.896 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:142 Resp: 2045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.6 | 41.8 | 62.8 |
| 141 | 13.4 | 11.5 | 17.3 |



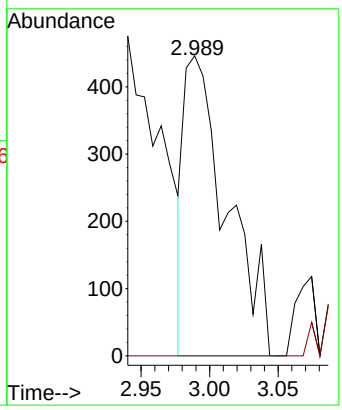


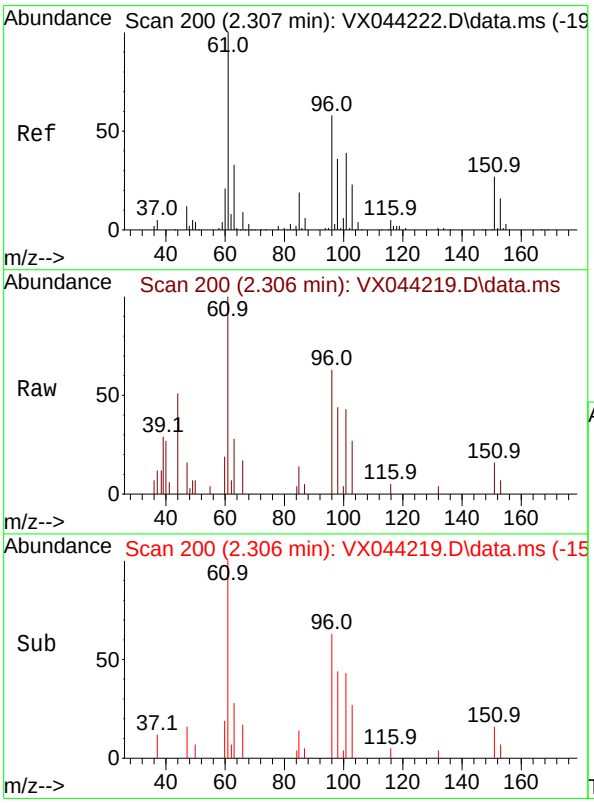

#11
Tert butyl alcohol
Concen: 2.776 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 59 Resp: 972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |

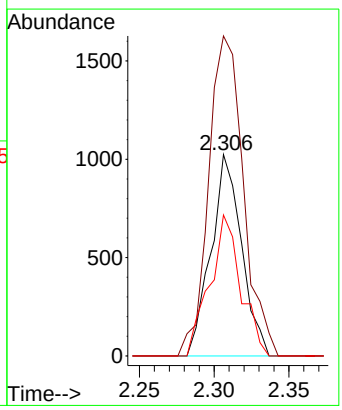


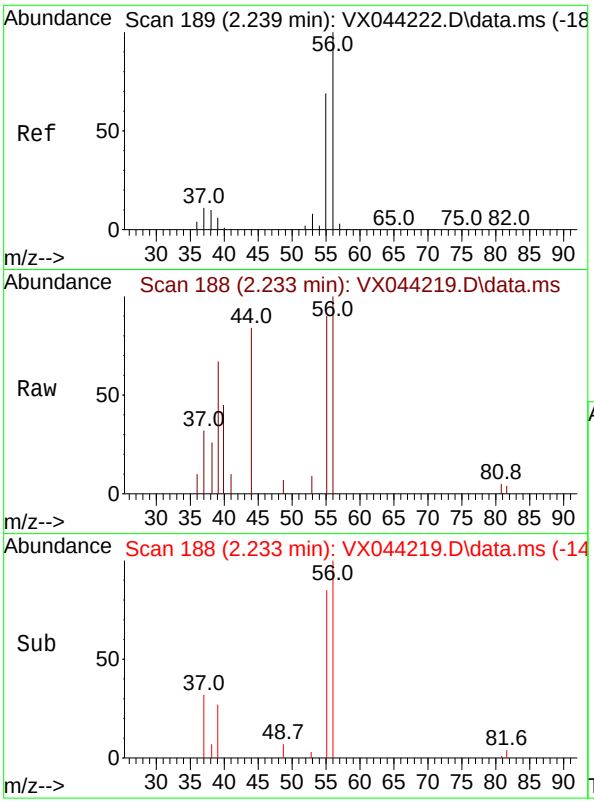




#12
1,1-Dichloroethene
Concen: 0.914 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 96 Resp: 1454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.9 | 138.0 | 207.0 |
| 98 | 70.0 | 50.0 | 75.0 |



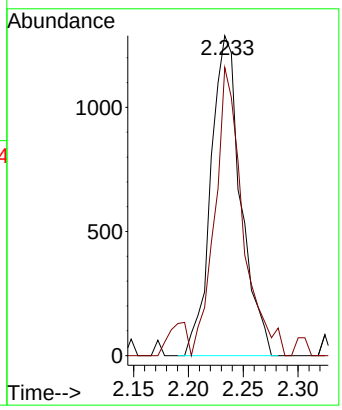


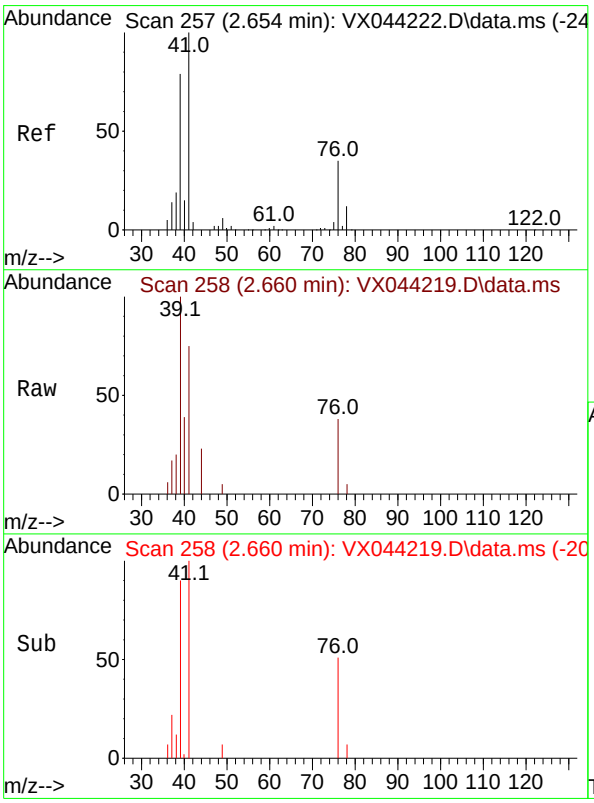

#13
Acrolein
Concen: 4.823 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 56 Resp: 2449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 84.0 | 56.6 | 84.8 |

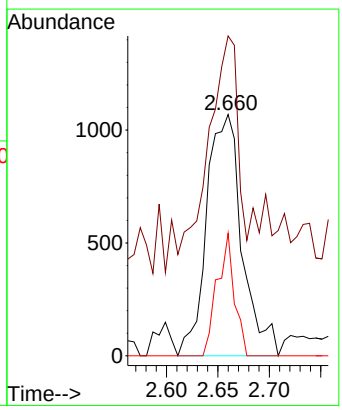


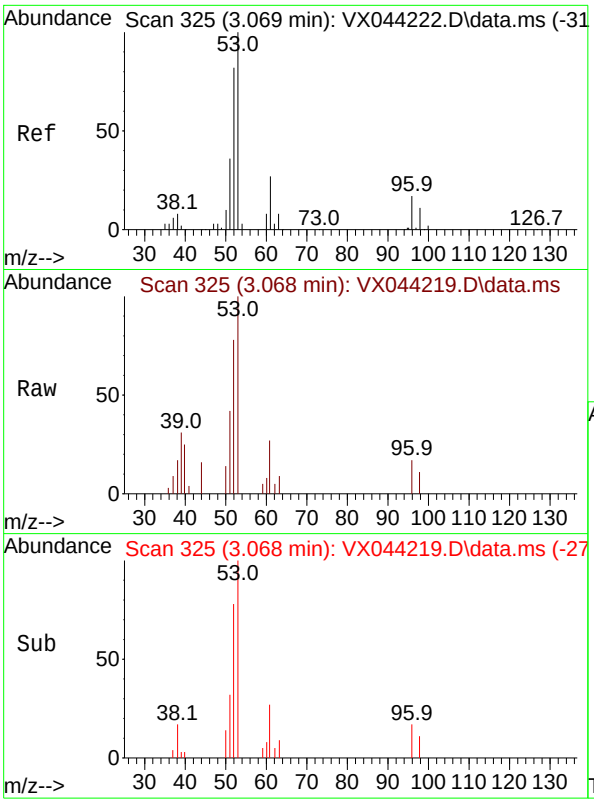




#14
Allyl chloride
Concen: 0.963 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 2551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.6 | 61.9 | 92.9 |
| 76 | 24.6 | 27.4 | 41.2# |



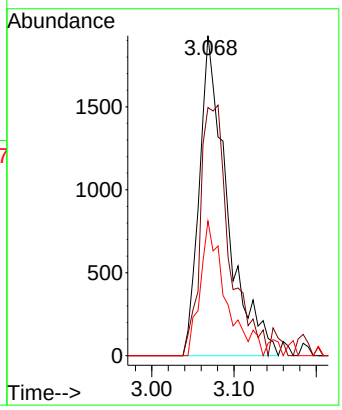


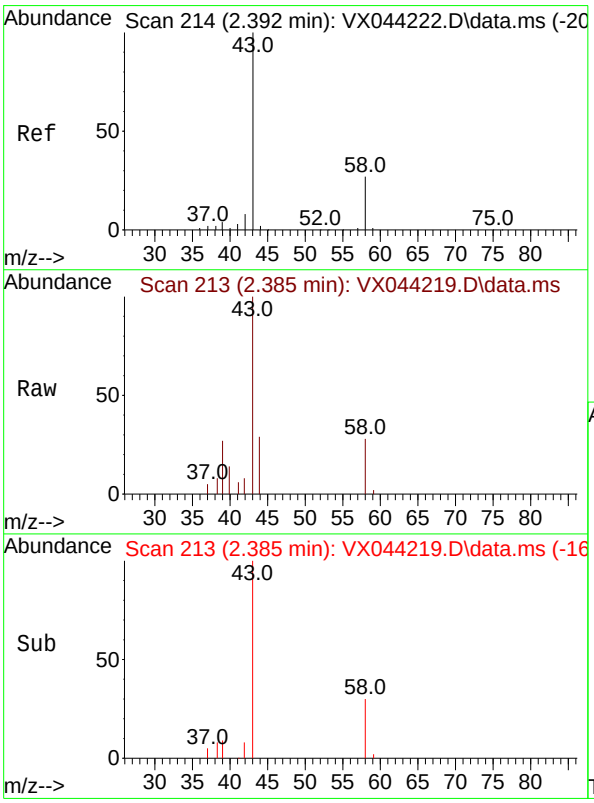

#15
Acrylonitrile
Concen: 4.660 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 53 Resp: 4528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.4 | 67.4 | 101.0 |
| 51 | 38.3 | 30.3 | 45.5 |

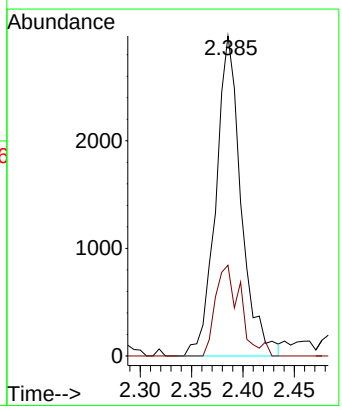


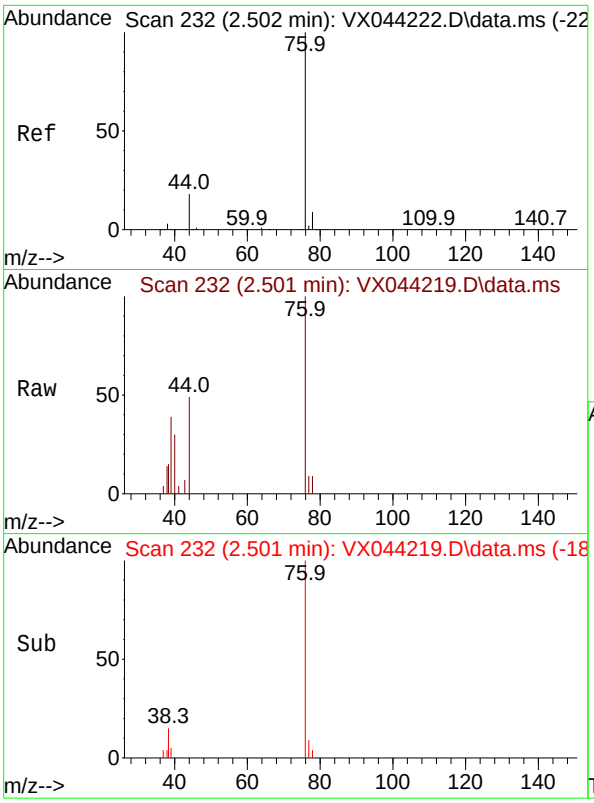




#16
Acetone
Concen: 5.022 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 5096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.3 | 21.6 | 32.4 |



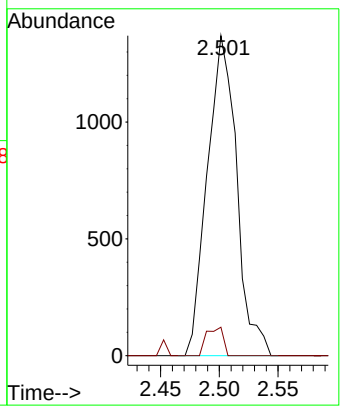


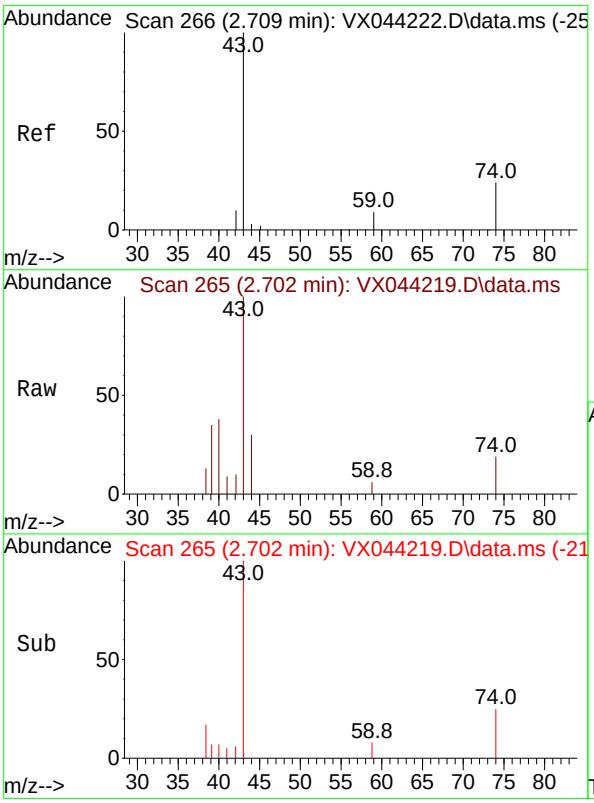

#17
Carbon Disulfide
Concen: 0.789 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 76 Resp: 2387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.4 | 11.0 |

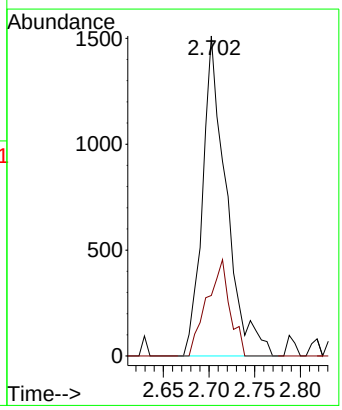


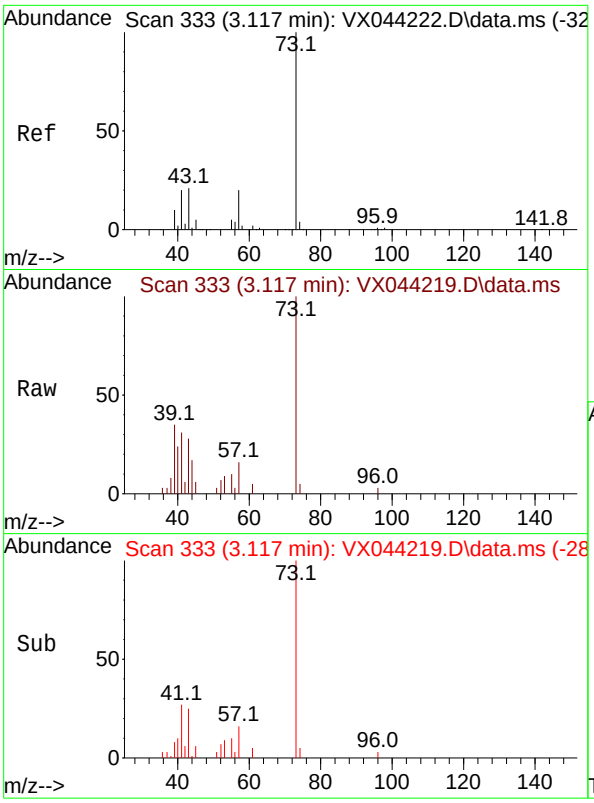




#18
Methyl Acetate
Concen: 1.047 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 28.9 | 17.7 | 26.5# |



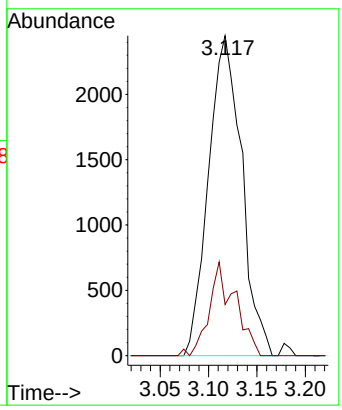


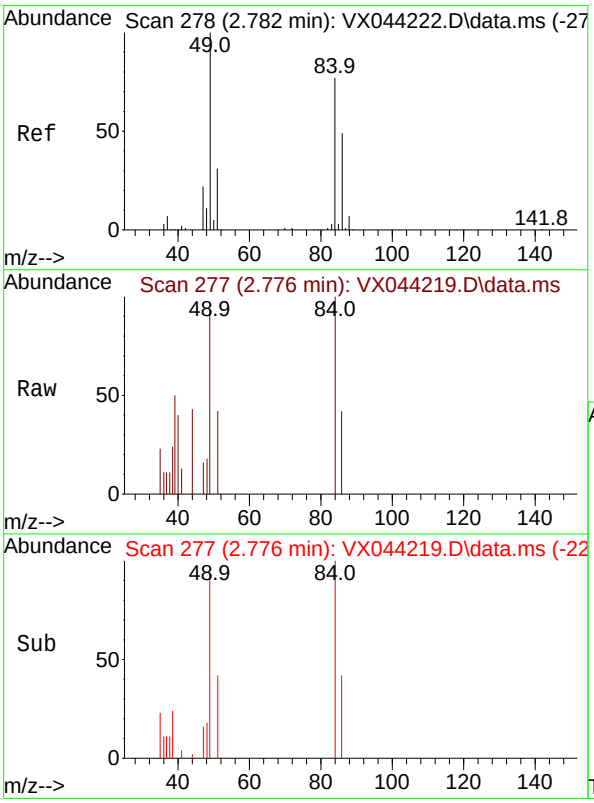

#19
Methyl tert-butyl Ether
Concen: 0.939 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 73 Resp: 5832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 16.0 | 16.2 | 24.4# |

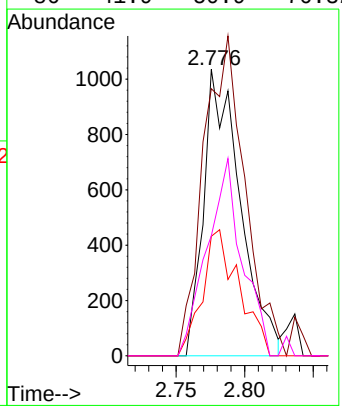


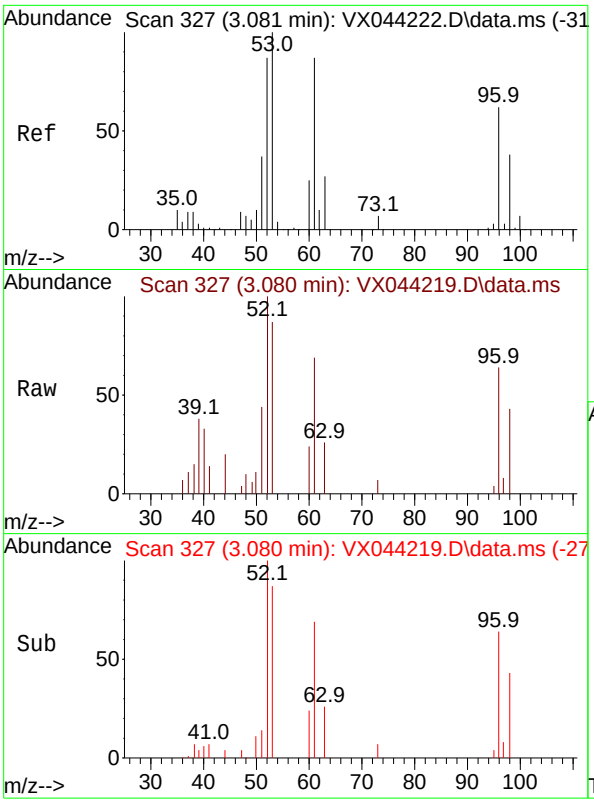




#20
Methylene Chloride
Concen: 1.012 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 84 Resp: 1928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 93.2 | 104.2 | 156.4# |
| 51 | 41.7 | 32.2 | 48.4 |
| 86 | 41.9 | 50.9 | 76.3# |



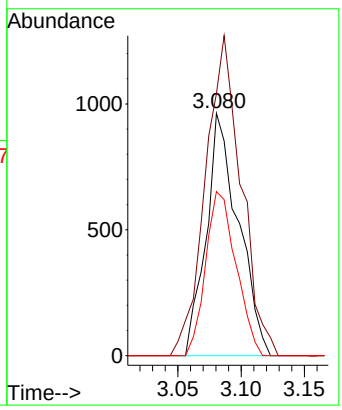


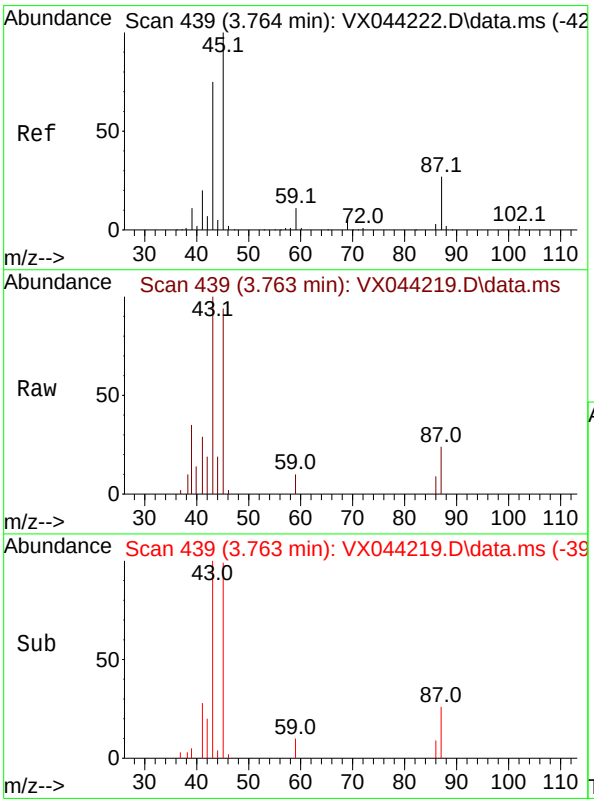

#21
trans-1,2-Dichloroethene
Concen: 1.007 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 96 Resp: 1703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 108.1 | 112.0 | 168.0# |
| 98 | 67.7 | 48.8 | 73.2 |

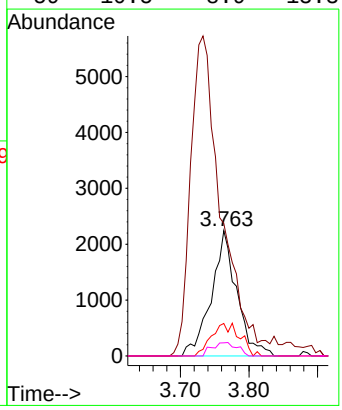


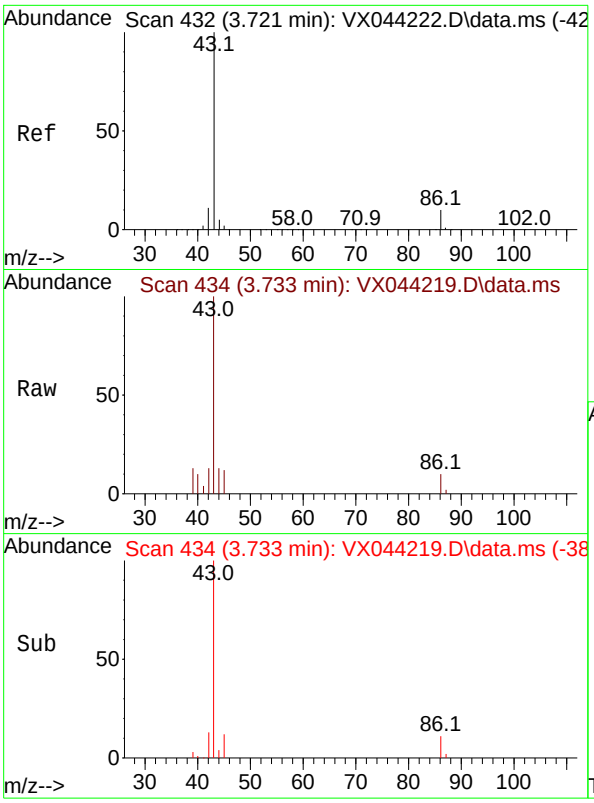




#22
Diisopropyl ether
Concen: 0.971 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 45 Resp: 5792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 96.8 | 60.2 | 90.2# |
| 87 | 25.9 | 21.2 | 31.8 |
| 59 | 10.5 | 8.9 | 13.3 |



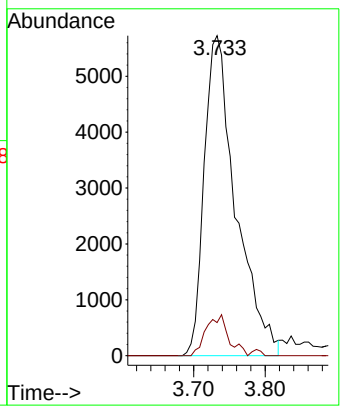


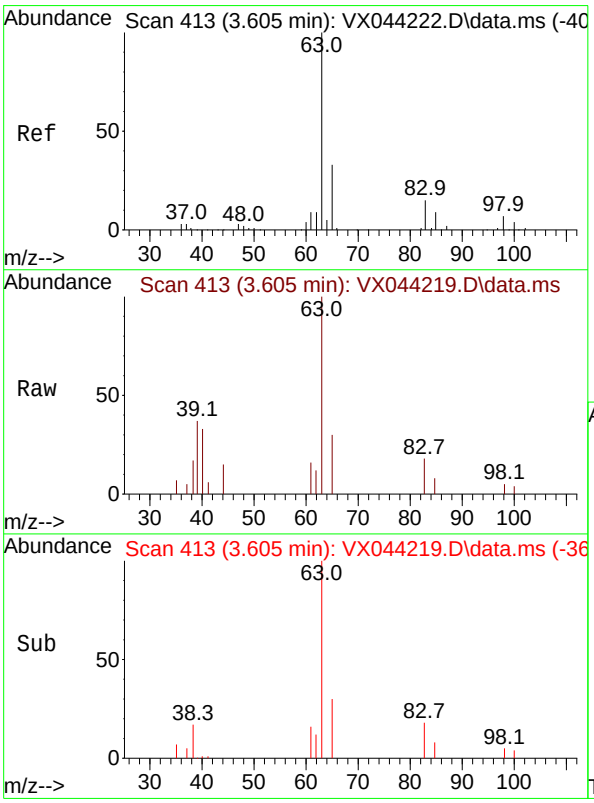

#23
Vinyl Acetate
Concen: 3.623 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 17578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.3 | 8.2 | 12.2 |

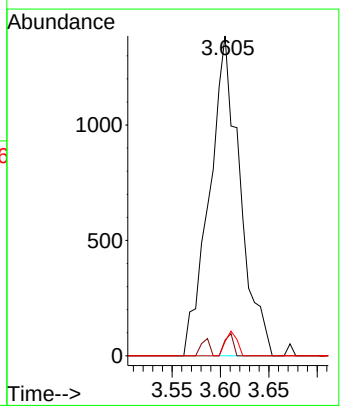


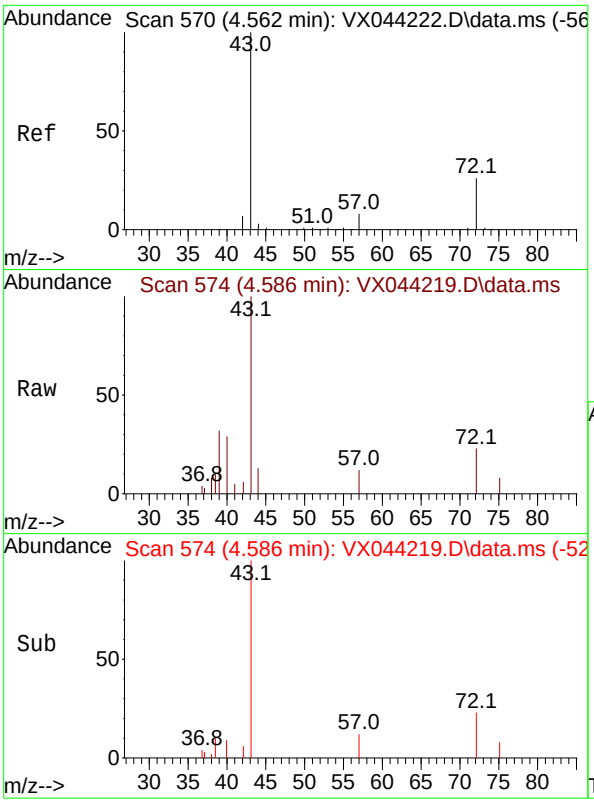




#24
1,1-Dichloroethane
Concen: 0.914 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 3040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.9 | 3.6 | 10.8 |
| 100 | 4.5 | 2.1 | 6.3 |



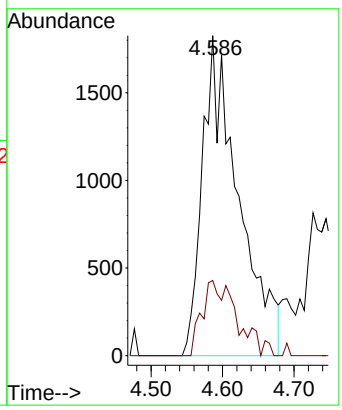


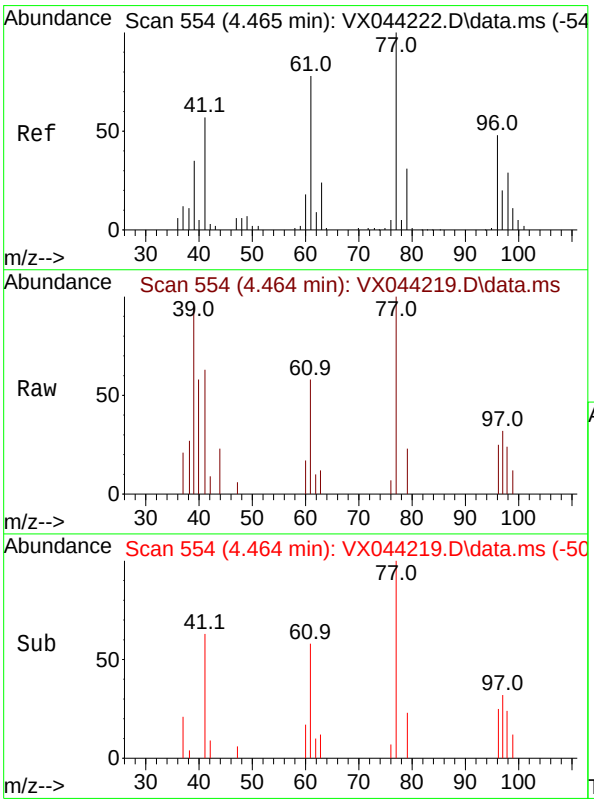

#25
2-Butanone
Concen: 4.423 ug/l
RT: 4.586 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 6380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.5 | 20.2 | 30.4 |

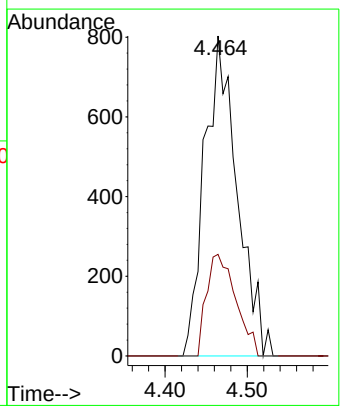


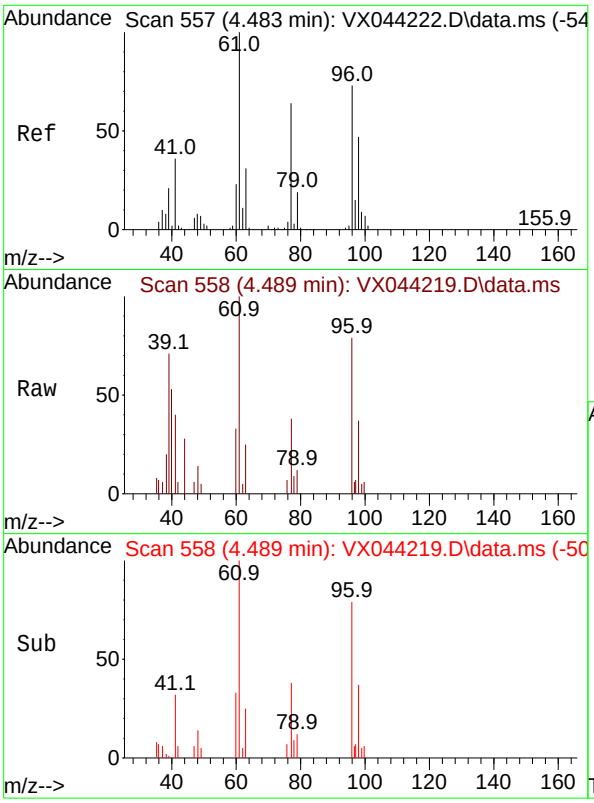




#26
2,2-Dichloropropane
Concen: 0.821 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 77 Resp: 2220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 28.4 | 10.7 | 32.1 |



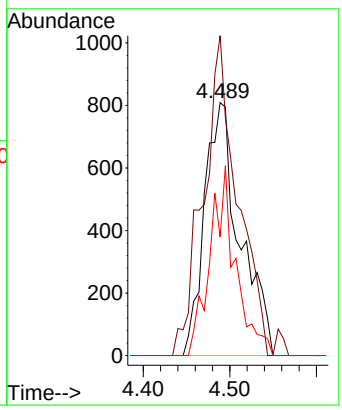


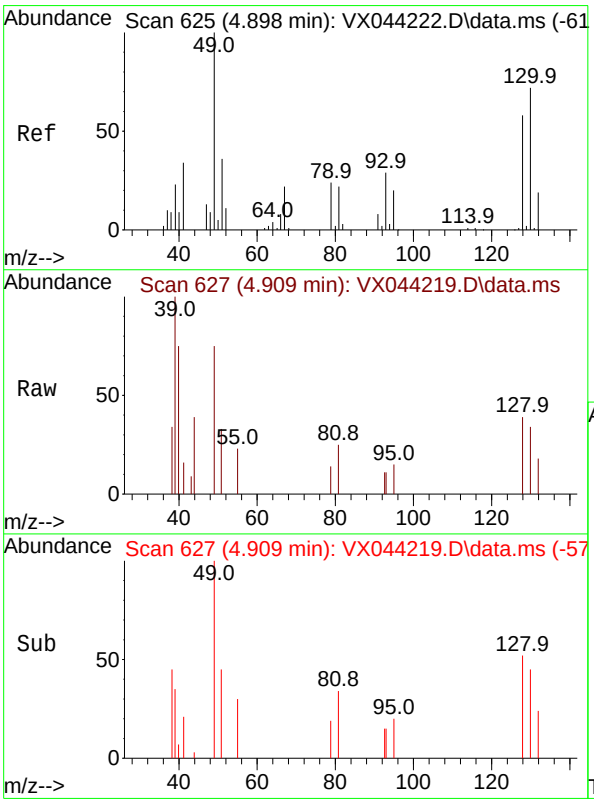

#27
cis-1,2-Dichloroethene
Concen: 1.069 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 96 Resp: 2296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 122.2 | 0.0 | 299.0 |
| 98 | 54.0 | 0.0 | 129.0 |

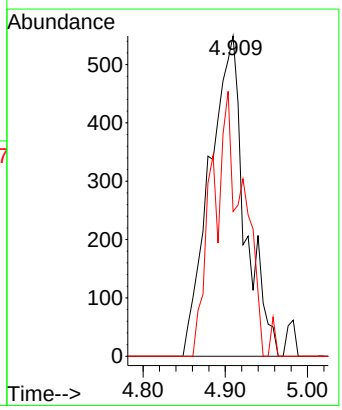


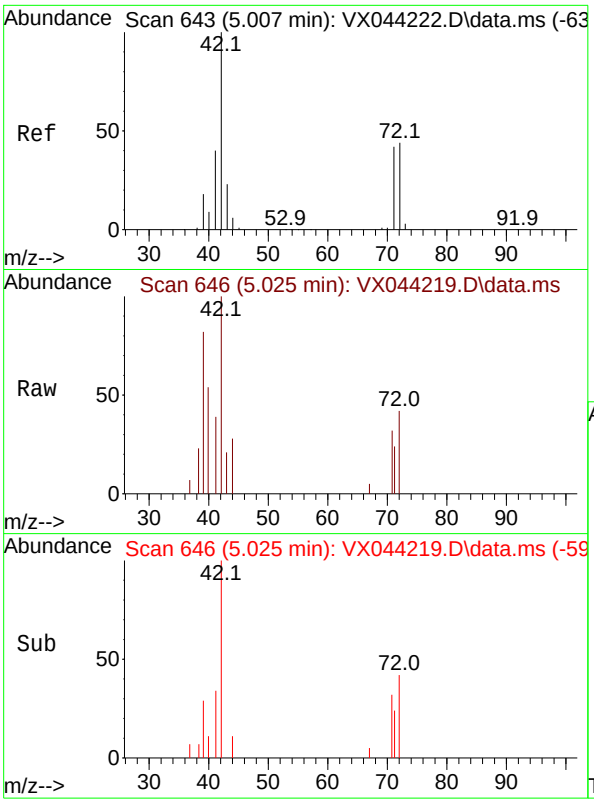




#28
Bromochloromethane
Concen: 1.006 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 49 Resp: 1641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.2 |
| 130 | 52.7 | 62.1 | 93.1# |



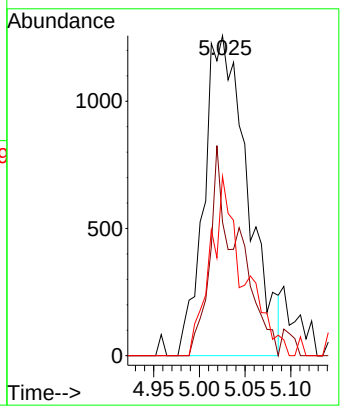


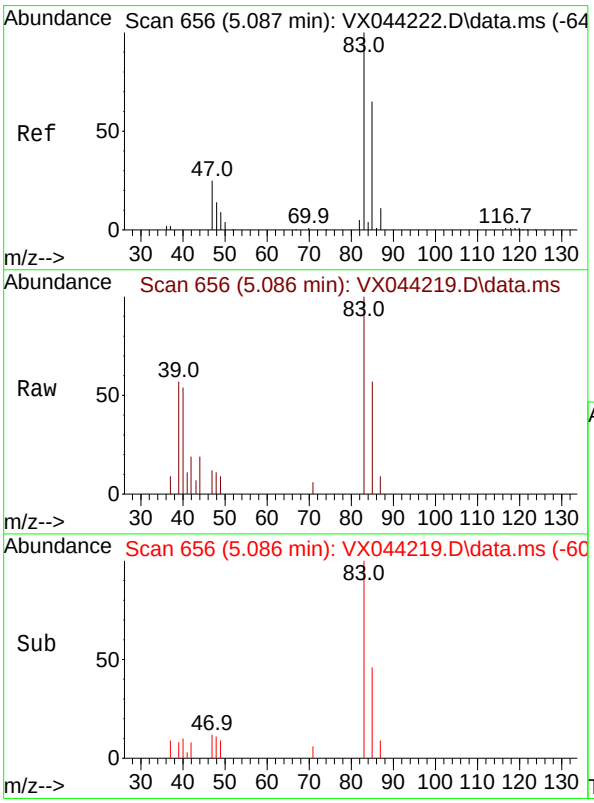

#29
Tetrahydrofuran
Concen: 4.491 ug/l
RT: 5.025 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 42 Resp: 4158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 27.0 | 37.0 | 55.6# |
| 71 | 43.1 | 33.6 | 50.4 |

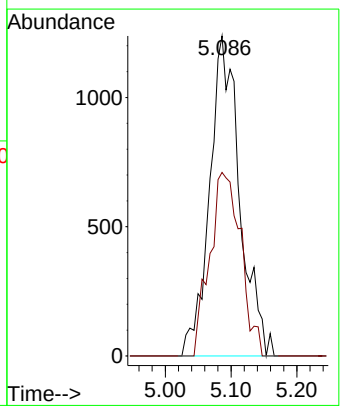


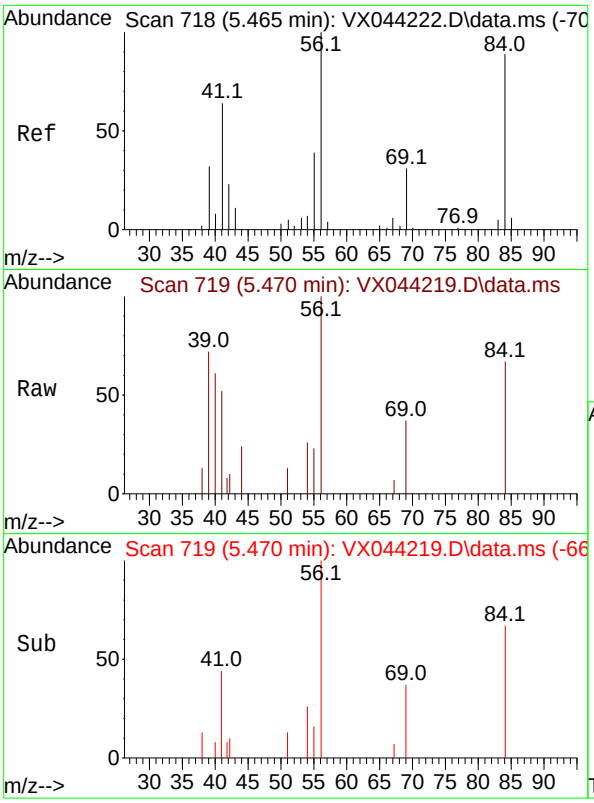




#30
Chloroform
Concen: 1.055 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 3943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 57.4 | 51.6 | 77.4 |



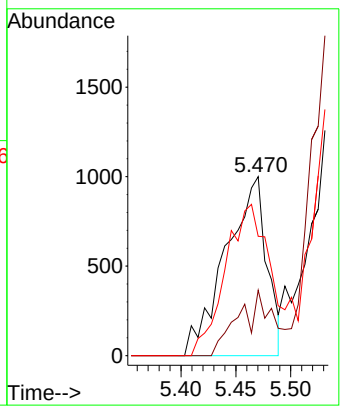


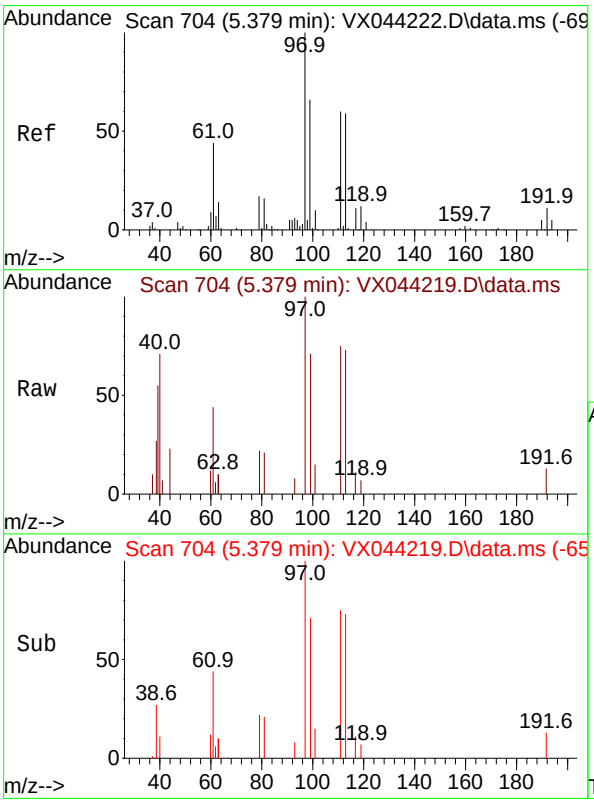

#31
Cyclohexane
Concen: 0.966 ug/l
RT: 5.470 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 56 Resp: 2594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 36.5 | 24.7 | 37.1 |
| 84 | 66.7 | 71.0 | 106.6# |

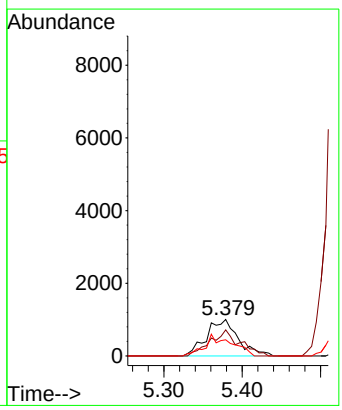


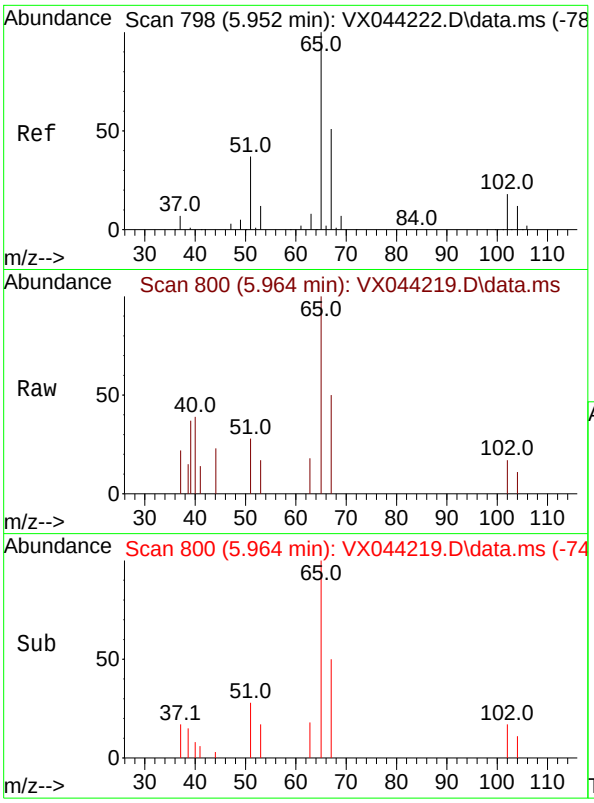




#32
1,1,1-Trichloroethane
Concen: 0.908 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 97 Resp: 2818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 50.8 | 76.2# |
| 61 | 49.9 | 35.2 | 52.8 |



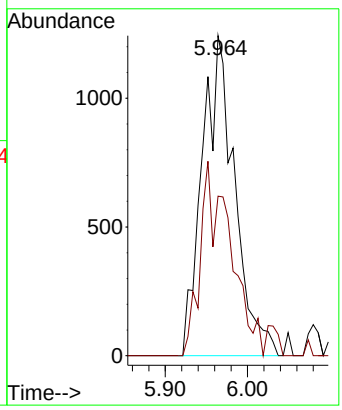


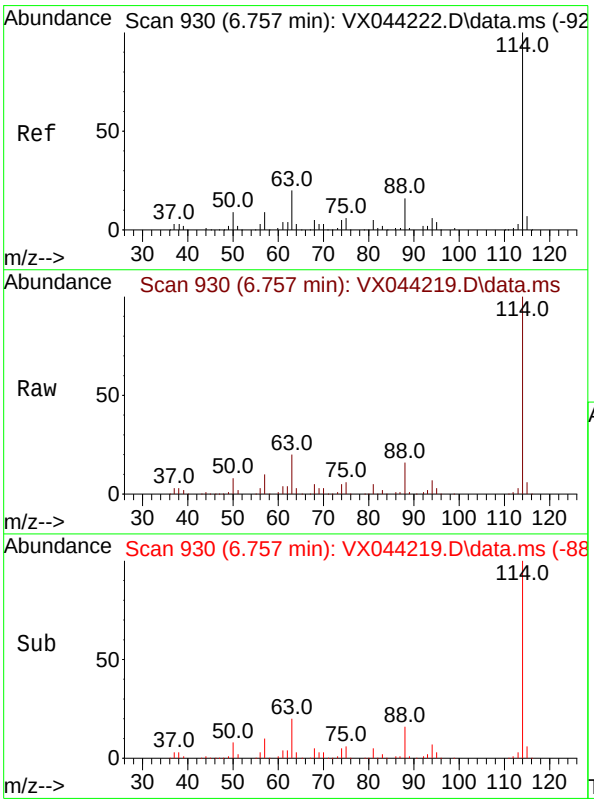

#33
1,2-Dichloroethane-d4
Concen: 1.369 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 65 Resp: 3407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 24.2 | 0.0 | 101.6 |

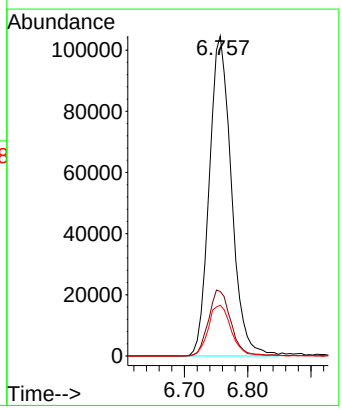


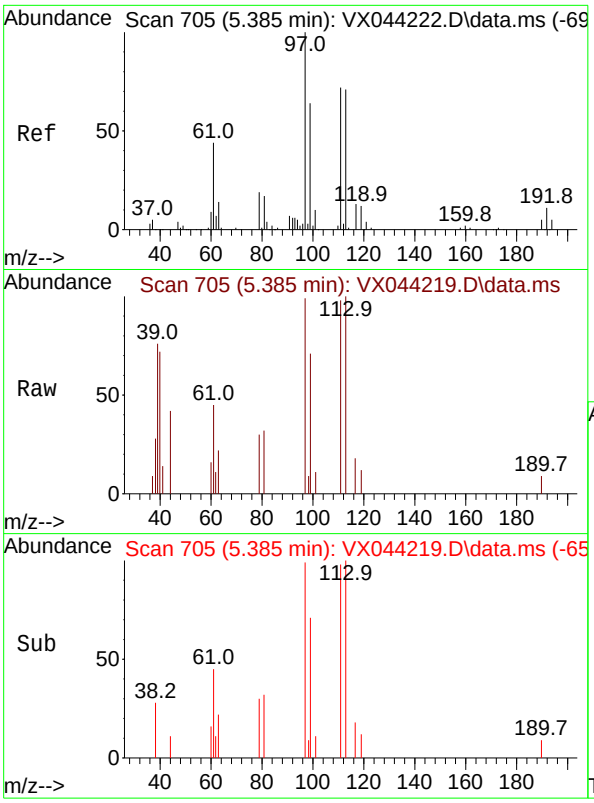




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:114 Resp: 253574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.1 | 0.0 | 40.6 |
| 88 | 15.8 | 0.0 | 31.8 |



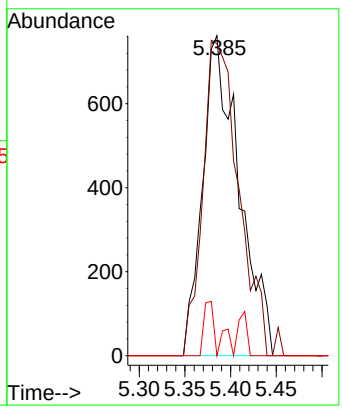


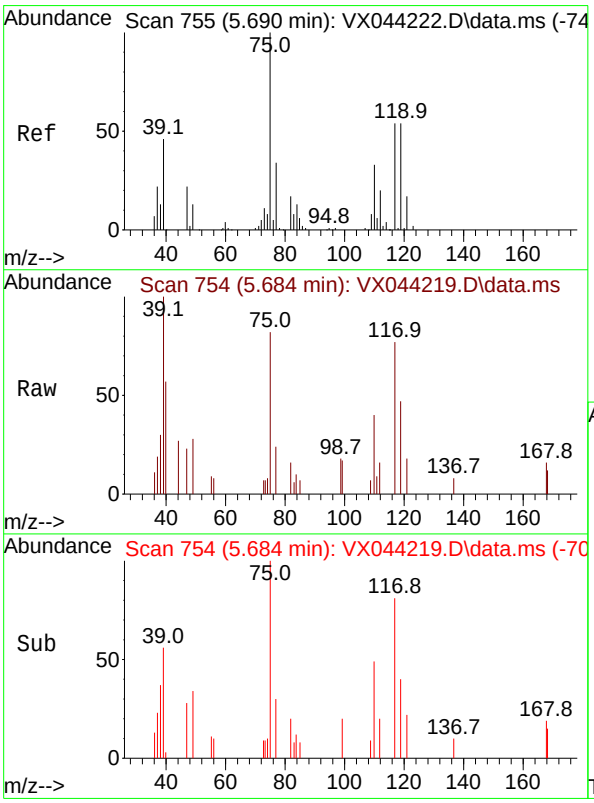

#35
Dibromofluoromethane
Concen: 1.205 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:113 Resp: 2117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 96.5 | 80.4 | 120.6 |
| 192 | 5.4 | 13.3 | 19.9# |

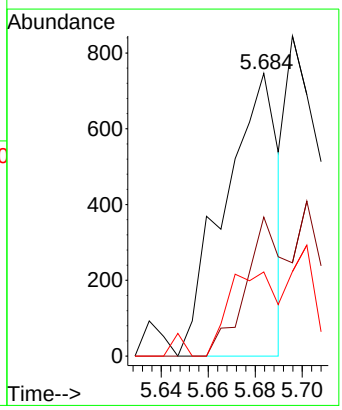


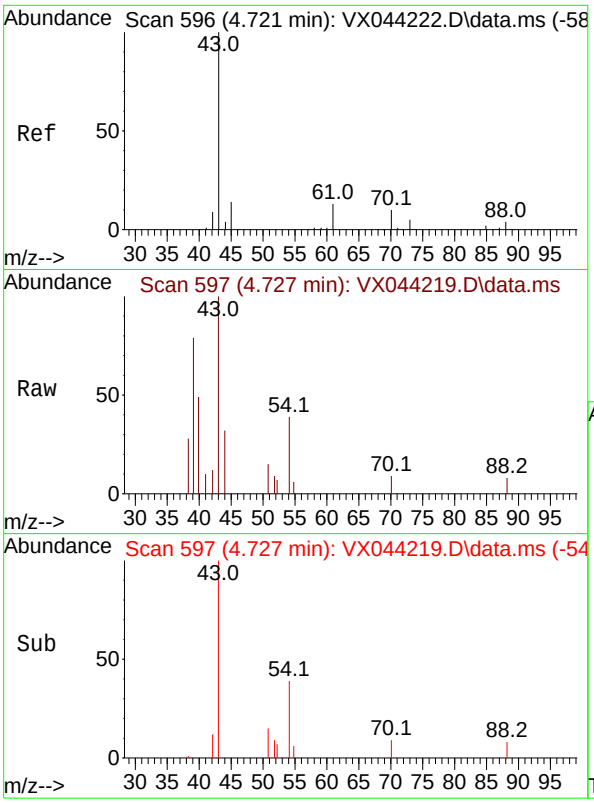




#36
1,1-Dichloropropene
Concen: 0.519 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 1178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 38.7 | 17.3 | 51.7 |
| 77 | 26.7 | 25.4 | 38.0 |



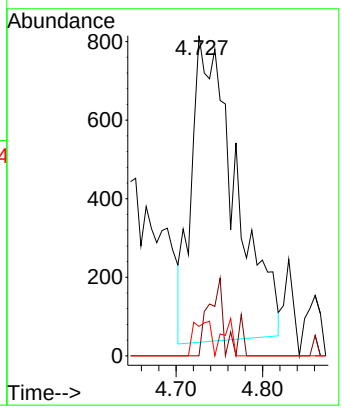


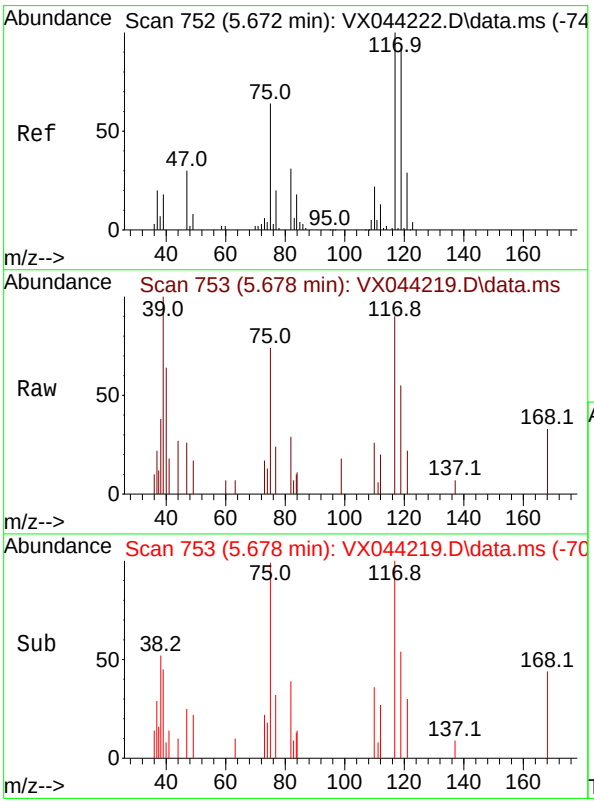

#37
Ethyl Acetate
Concen: 0.969 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 2718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 9.8 | 14.8# |
| 70 | 0.0 | 7.7 | 11.5# |

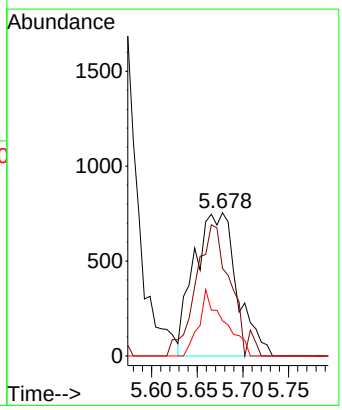


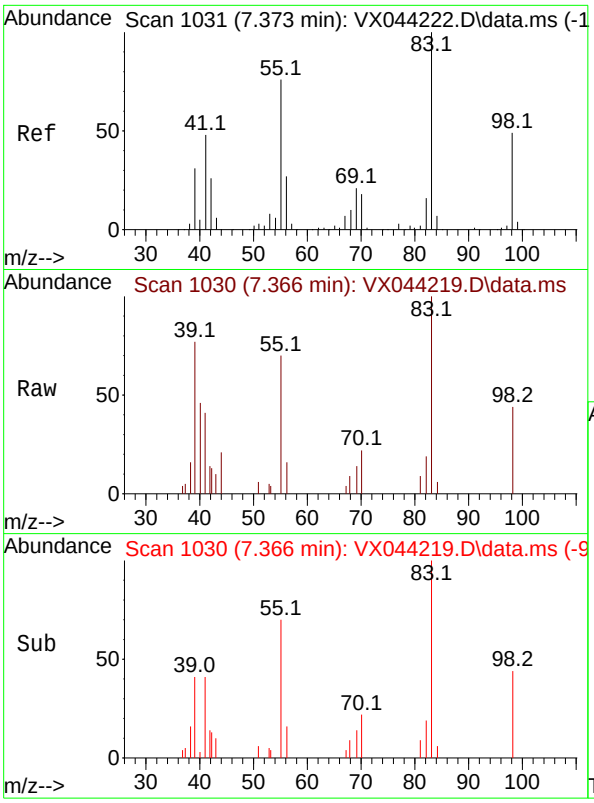




#38
Carbon Tetrachloride
Concen: 1.004 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:117 Resp: 2454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 61.1 | 74.2 | 111.4# |
| 121 | 24.5 | 23.0 | 34.6 |



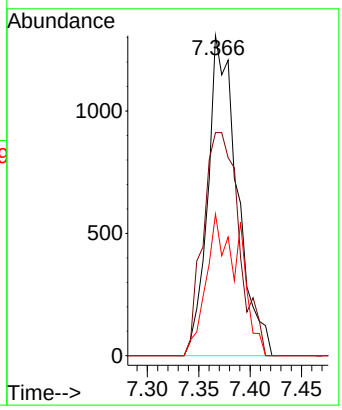


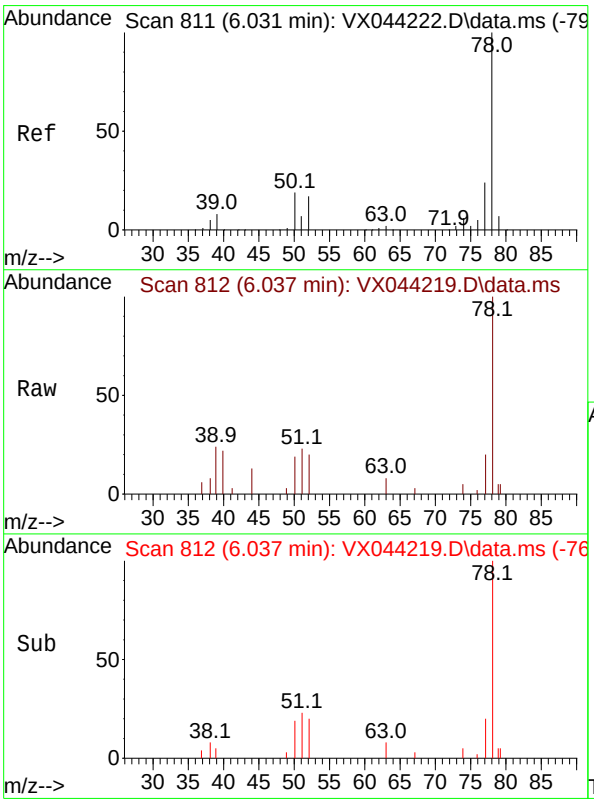

#39
Methylcyclohexane
Concen: 0.960 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 2606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 69.7 | 60.7 | 91.1 |
| 98 | 44.3 | 38.9 | 58.3 |

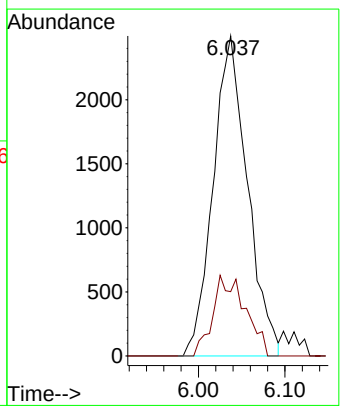


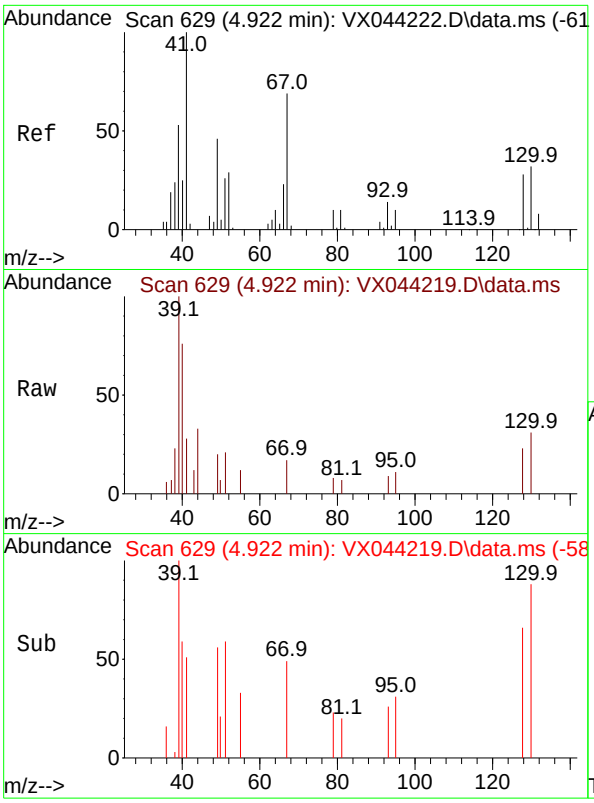




#40
Benzene
Concen: 0.996 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 78 Resp: 6864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 20.1 | 19.3 | 28.9 |



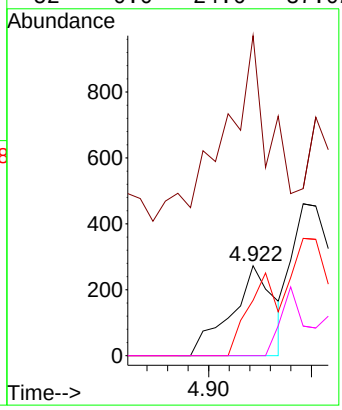


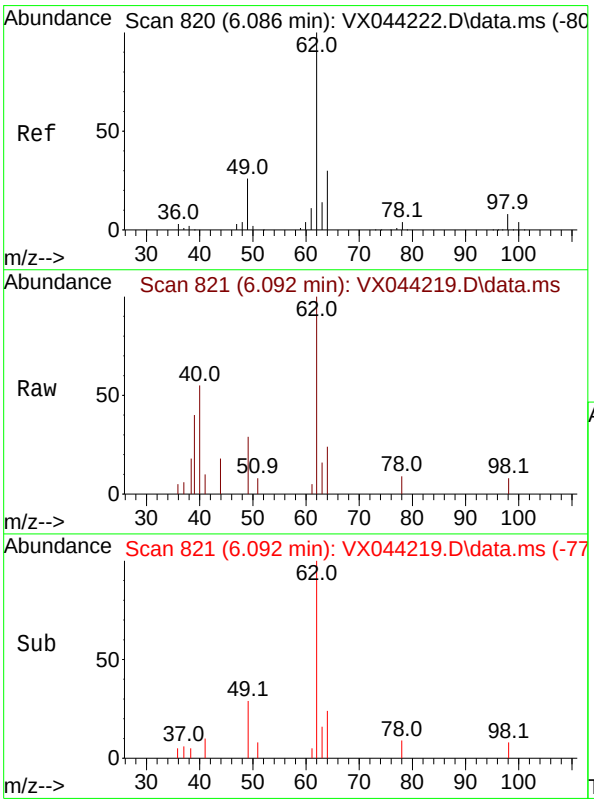

#41
Methacrylonitrile
Concen: 0.262 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 41 Resp: 390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 216.9 | 44.2 | 66.4# |
| 67 | 0.0 | 57.2 | 85.8# |
| 52 | 0.0 | 24.6 | 37.0# |

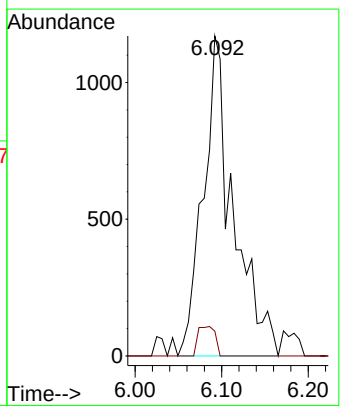


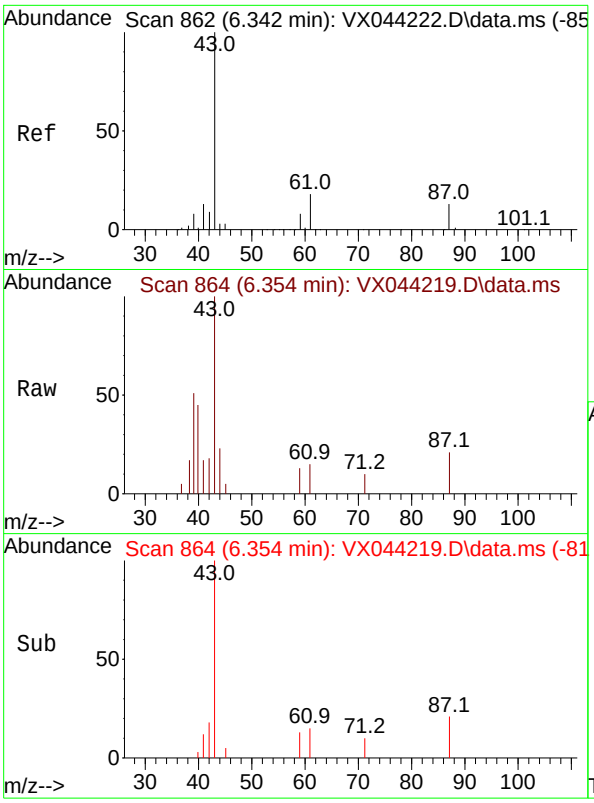




#42
1,2-Dichloroethane
Concen: 0.990 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 62 Resp: 2810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 5.3 | 0.0 | 15.8 |



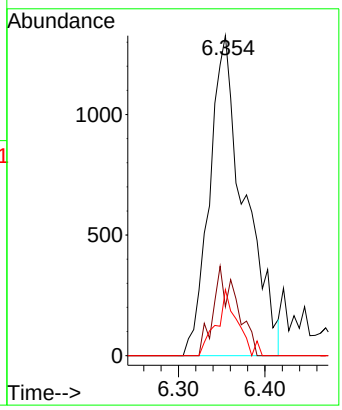


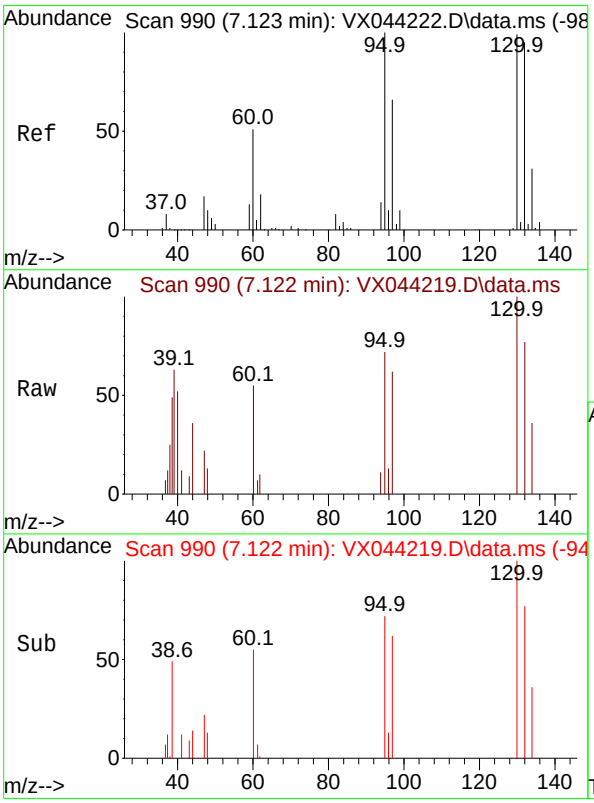

#43
Isopropyl Acetate
Concen: 0.851 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 3734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.9 | 14.2 | 21.2 |
| 87 | 12.4 | 10.2 | 15.2 |

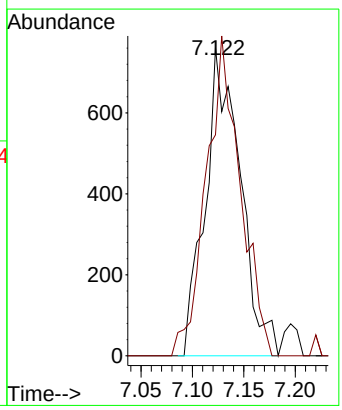


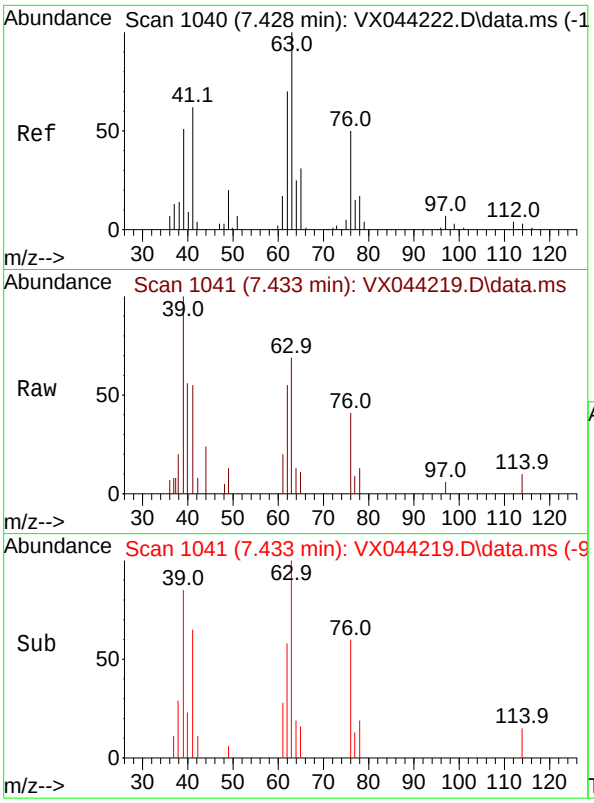




#44
Trichloroethene
Concen: 1.051 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:130 Resp: 1806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 71.7 | 0.0 | 201.4 |



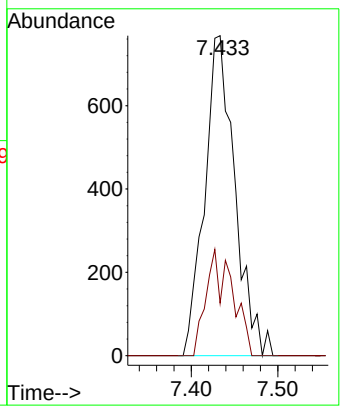


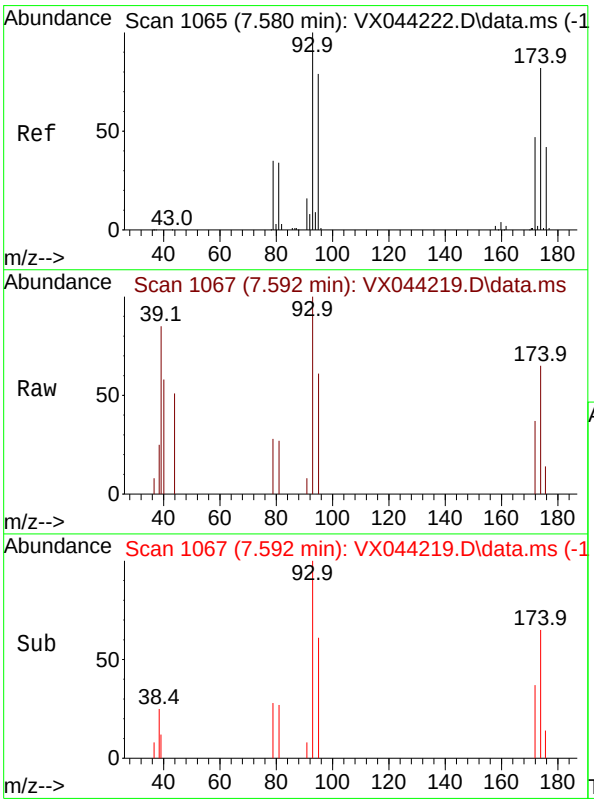

#45
1,2-Dichloropropane
Concen: 1.059 ug/l
RT: 7.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 63 Resp: 1865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 16.4 | 24.6 | 37.0# |

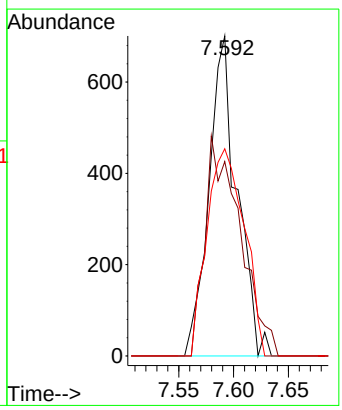


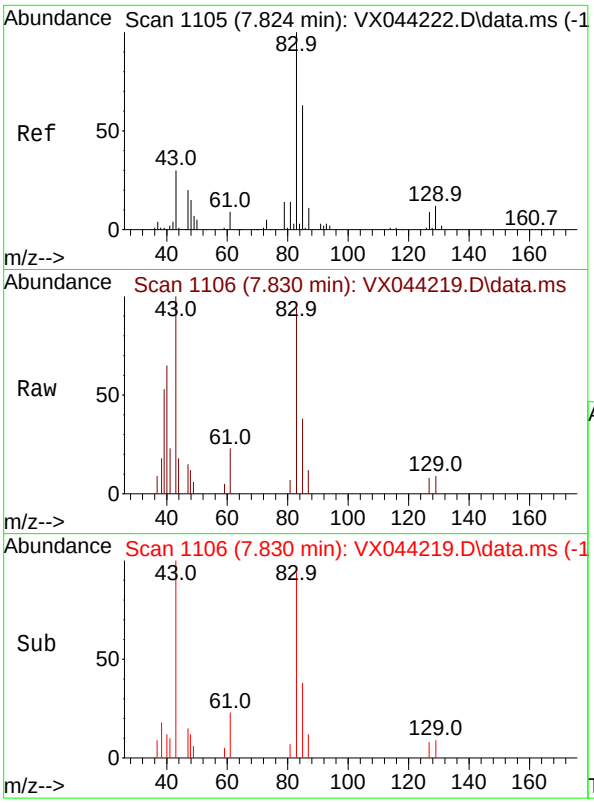




#46
Dibromomethane
Concen: 0.916 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 93 Resp: 1251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 85.8 | 65.4 | 98.2 |
| 174 | 86.3 | 67.9 | 101.9 |



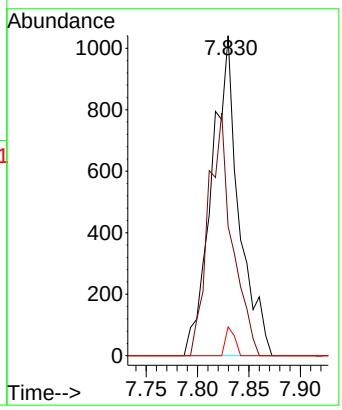


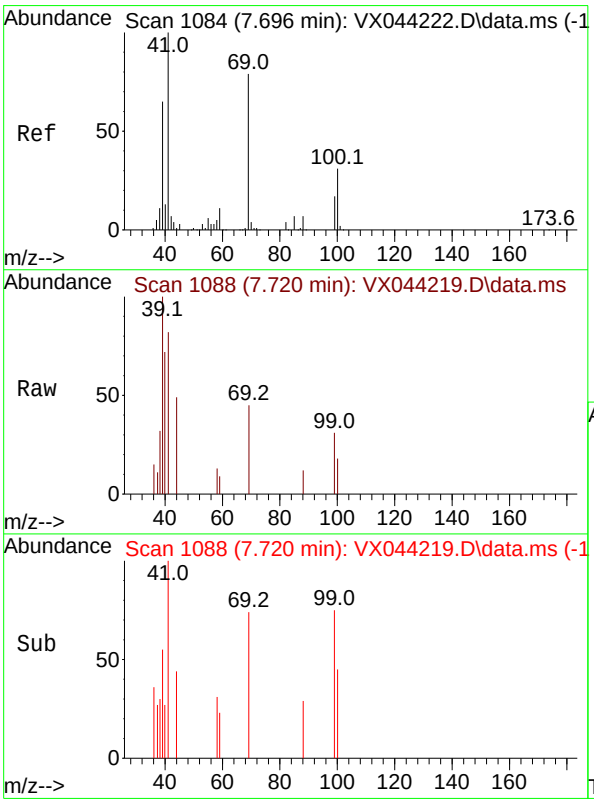

#47
Bromodichloromethane
Concen: 0.816 ug/l
RT: 7.830 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 1926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 40.3 | 50.6 | 75.8# |
| 127 | 9.0 | 7.3 | 10.9 |

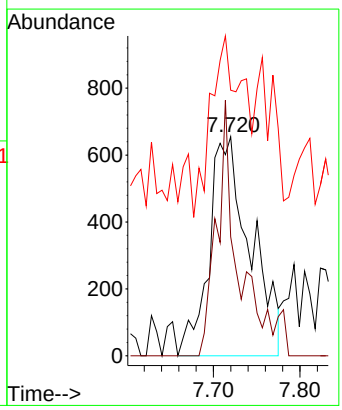


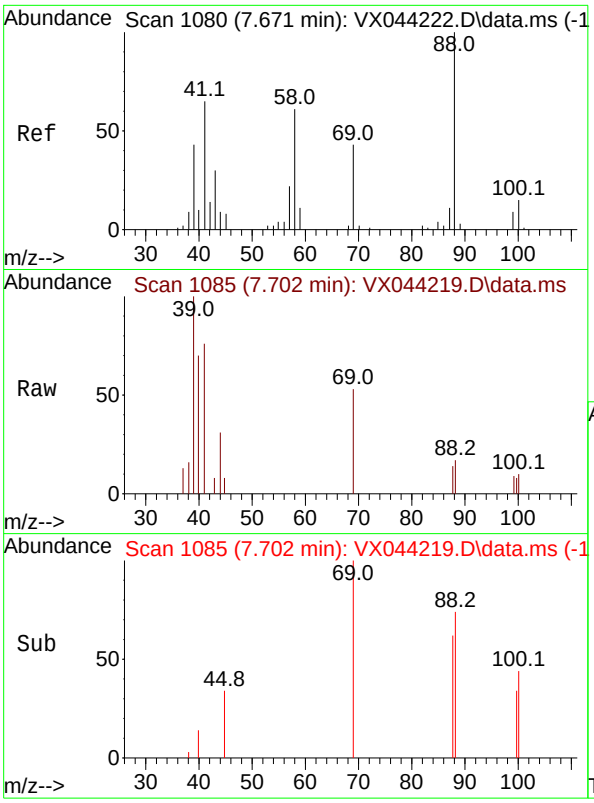




#48
Methyl methacrylate
Concen: 1.018 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 2168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 43.9 | 62.4 | 93.6# |
| 39 | 64.1 | 53.3 | 79.9 |



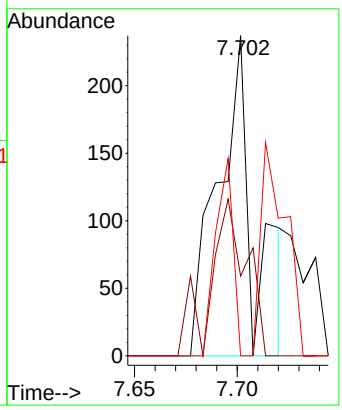


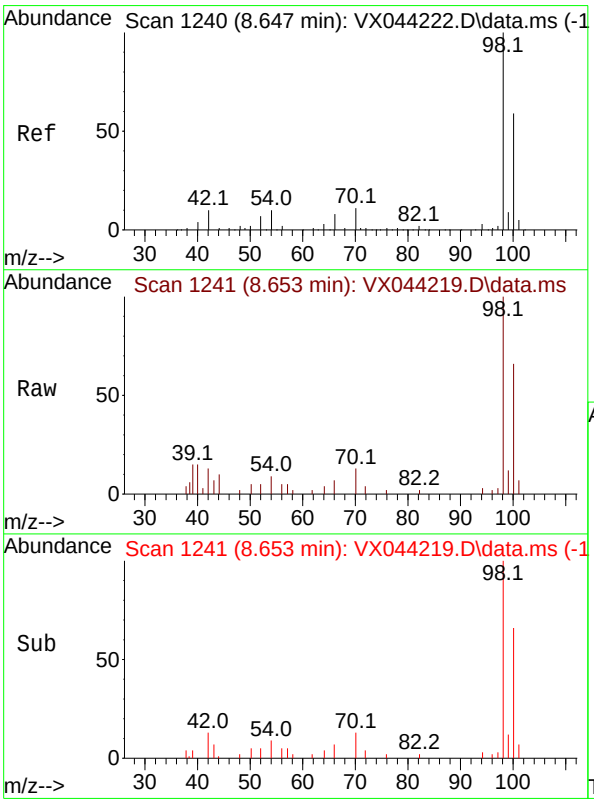

#49
1,4-Dioxane
Concen: 7.943 ug/l
RT: 7.702 min Scan# 1
Delta R.T. 0.030 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 88 Resp: 289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 49.1 | 27.1 | 40.7# |
| 58 | 30.1 | 41.0 | 61.4# |

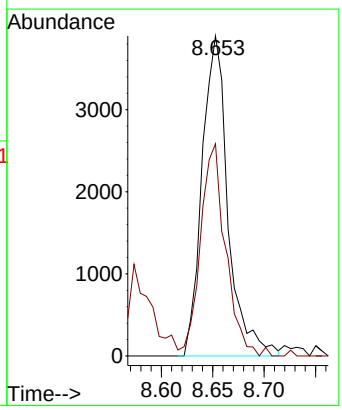


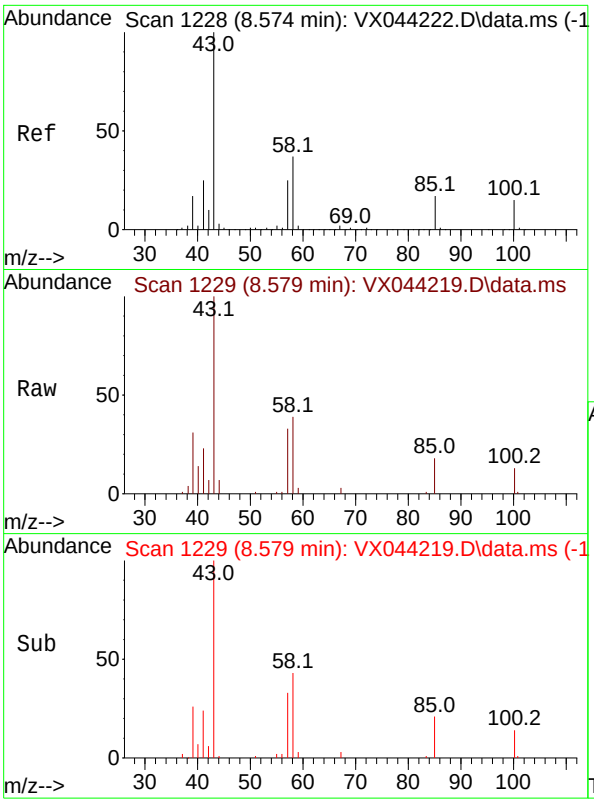




#50
Toluene-d8
Concen: 1.156 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 98 Resp: 6848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.3 | 51.5 | 77.3 |



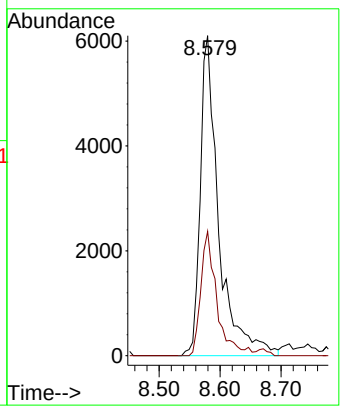


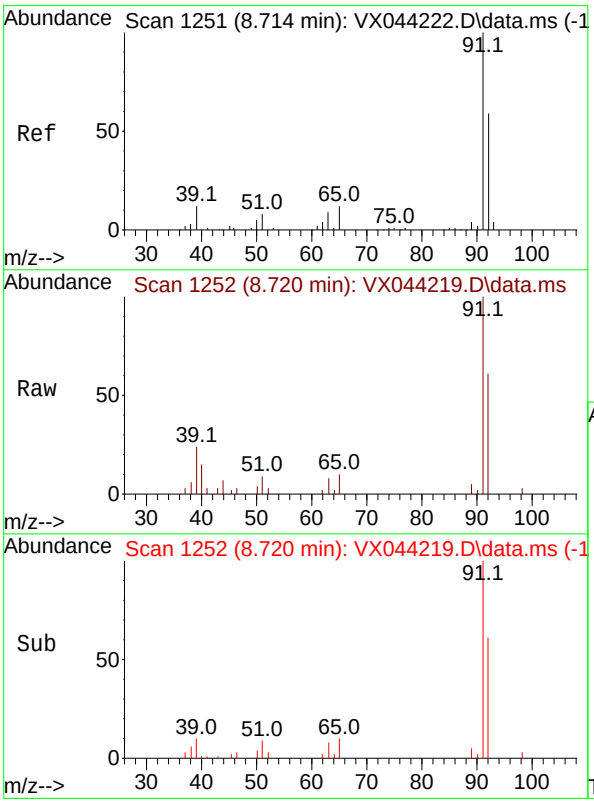

#51
4-Methyl-2-Pentanone
Concen: 4.547 ug/l
RT: 8.579 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 12824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.0 | 29.4 | 44.0 |

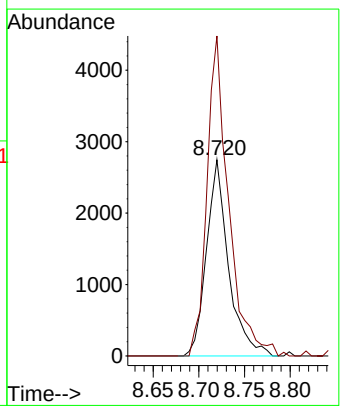


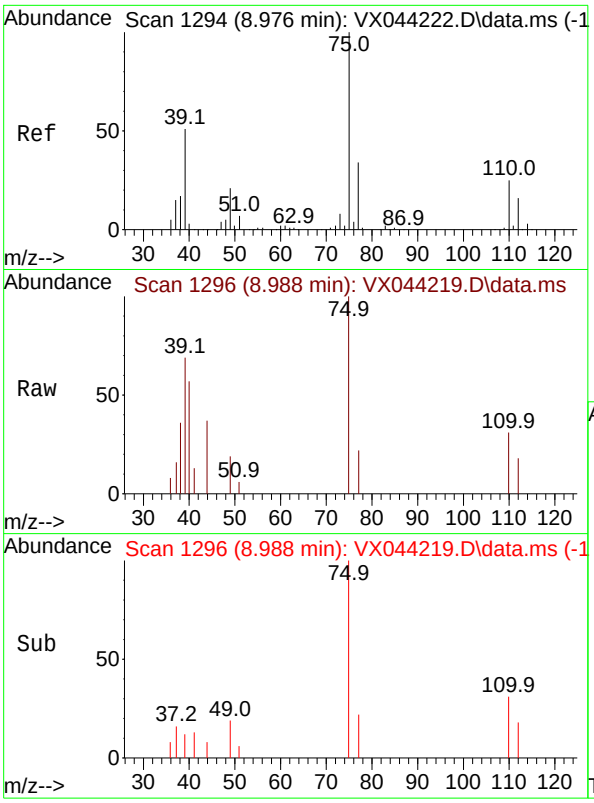




#52
Toluene
Concen: 1.064 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 92 Resp: 4606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 160.1 | 137.0 | 205.6 |



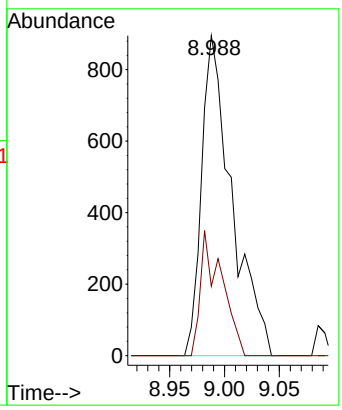


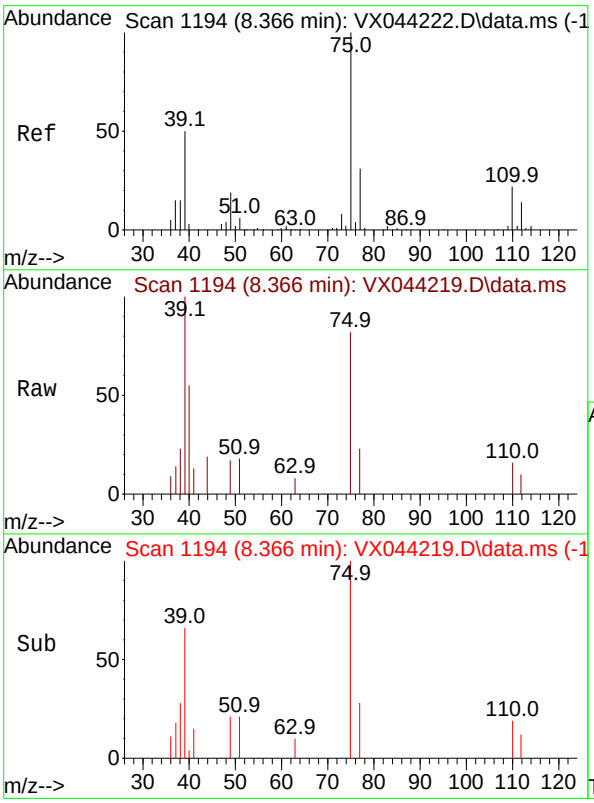

#53
t-1,3-Dichloropropene
Concen: 1.694 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 75 Resp: 1716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 21.7 | 27.2 | 40.8# |

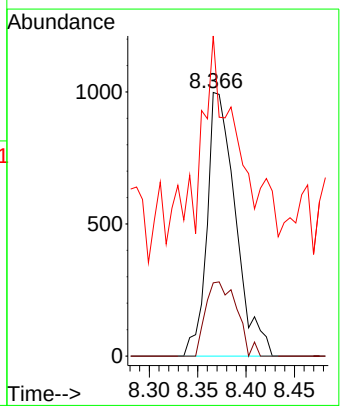


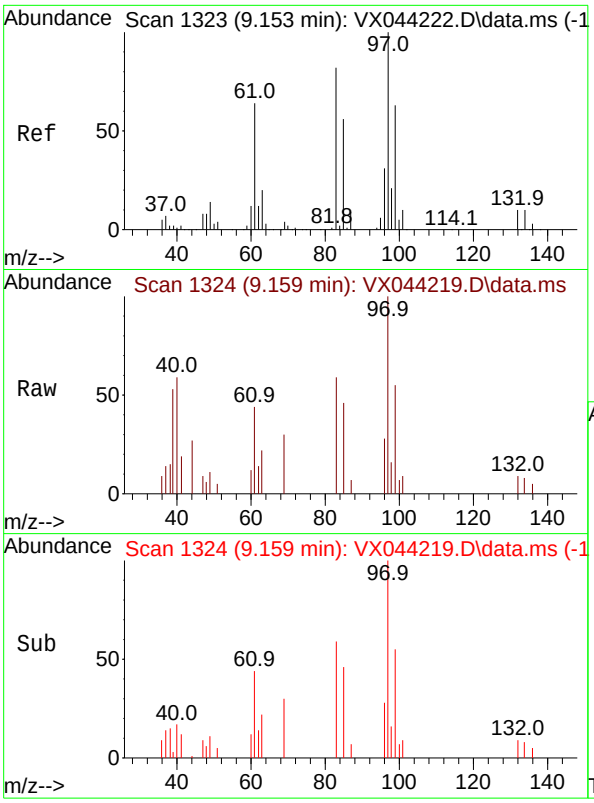




#54
cis-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 2048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 27.8 | 24.7 | 37.1 |
| 39 | 76.2 | 40.3 | 60.5# |



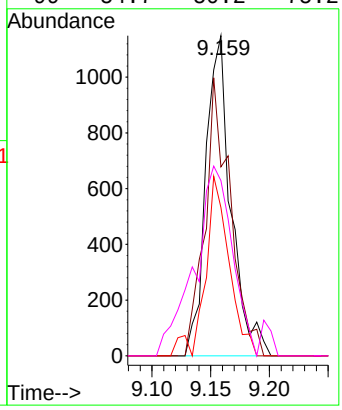


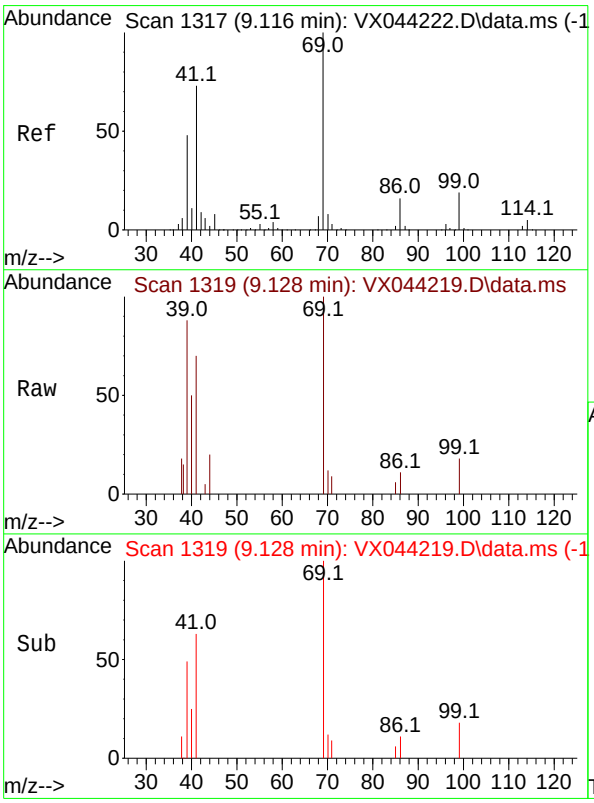

#55
1,1,2-Trichloroethane
Concen: 0.994 ug/l
RT: 9.159 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 97 Resp: 1710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 59.0 | 65.3 | 97.9# |
| 85 | 46.3 | 44.6 | 67.0 |
| 99 | 54.7 | 50.2 | 75.2 |

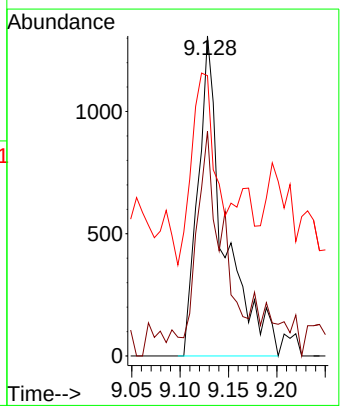


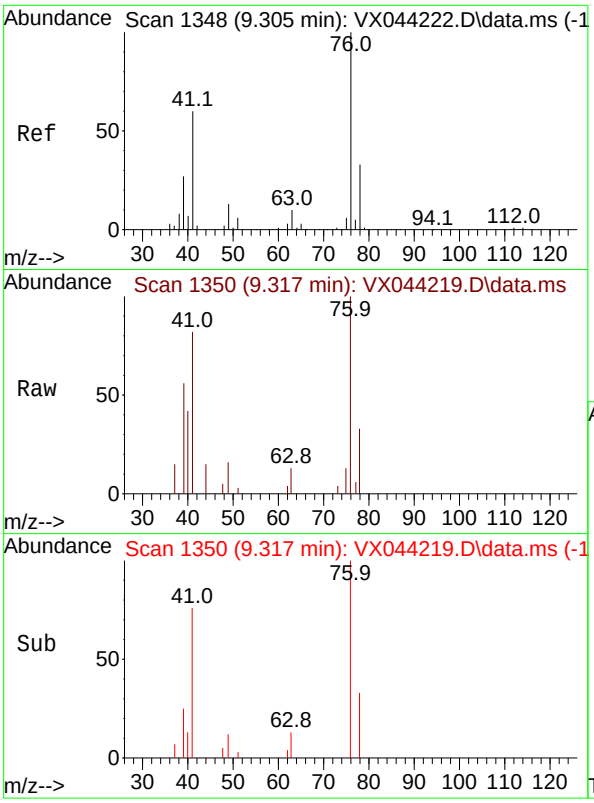




#56
Ethyl methacrylate
Concen: 0.917 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 69 Resp: 2490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 55.7 | 56.6 | 85.0# |
| 39 | 53.1 | 37.4 | 56.0 |



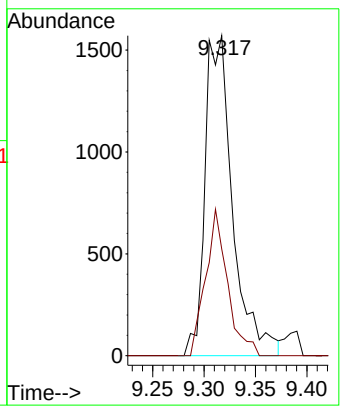


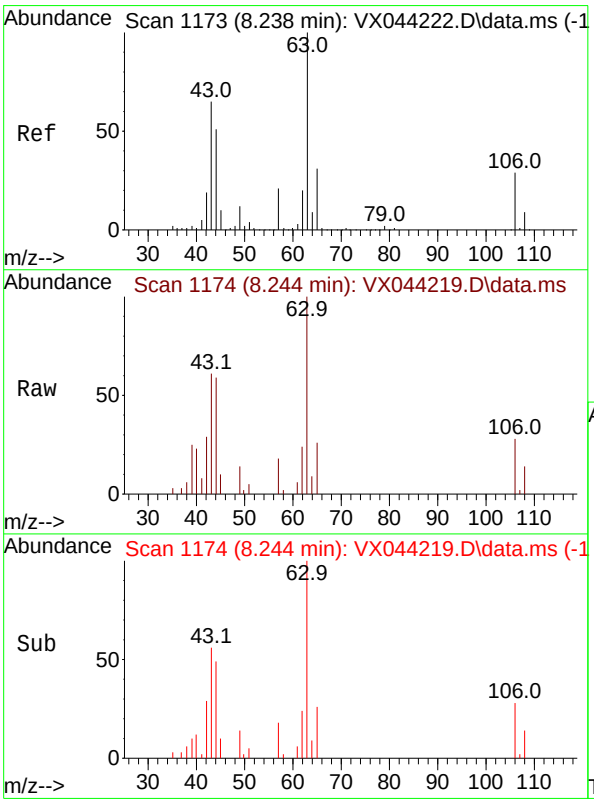

#57
1,3-Dichloropropane
Concen: 0.979 ug/l
RT: 9.317 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 76 Resp: 2929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 36.5 | 26.5 | 39.7 |

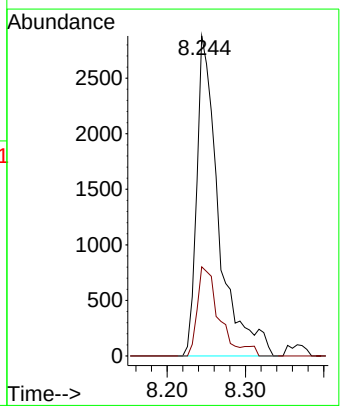


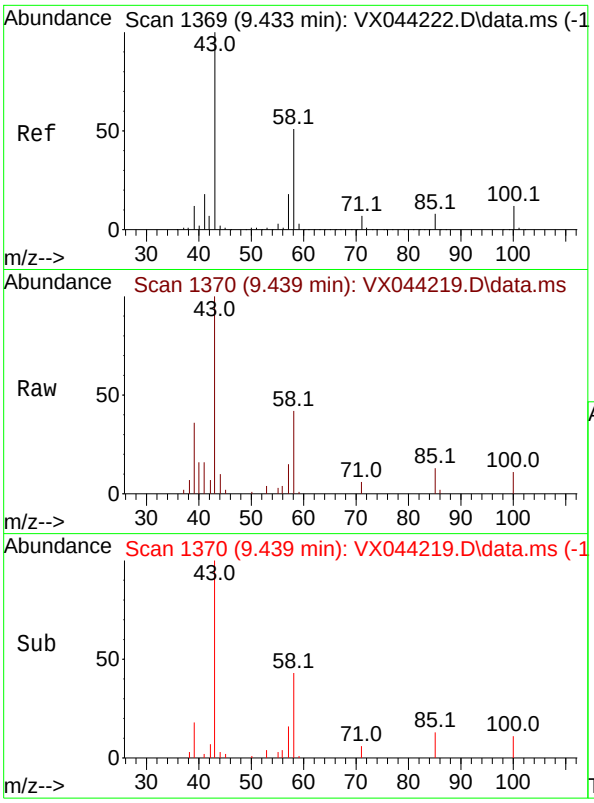




#58
2-Chloroethyl Vinyl ether
Concen: 4.105 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 5621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.2 | 22.8 | 34.2 |



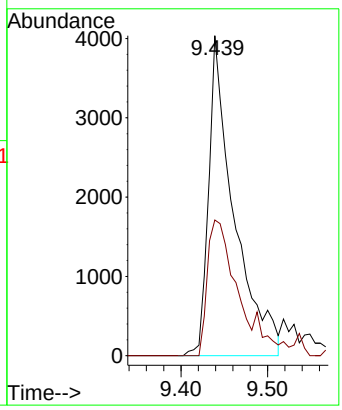


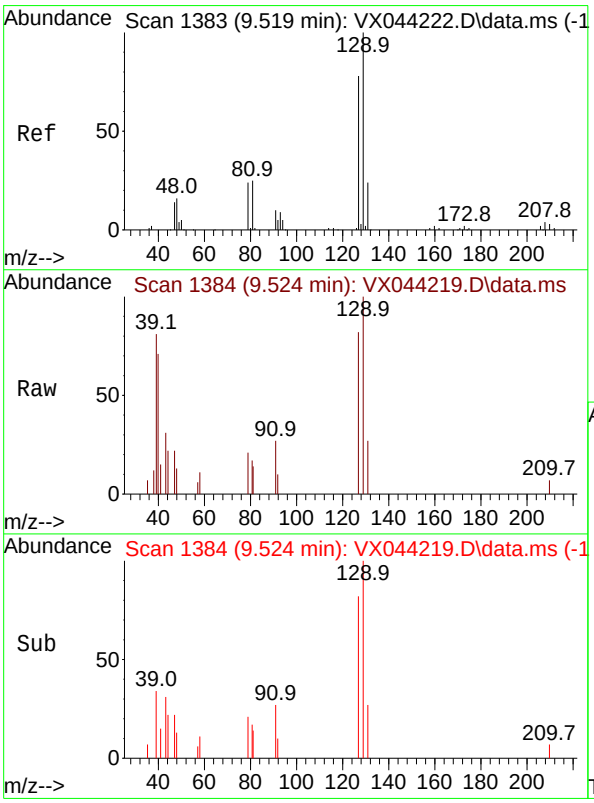

#59
2-Hexanone
Concen: 4.017 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 8199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.5 | 25.7 | 77.0 |

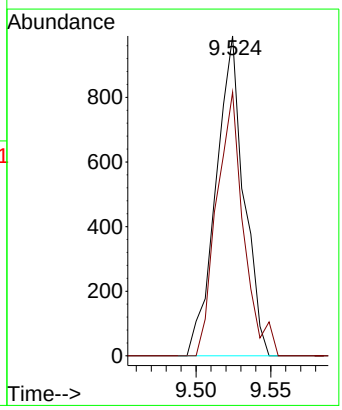


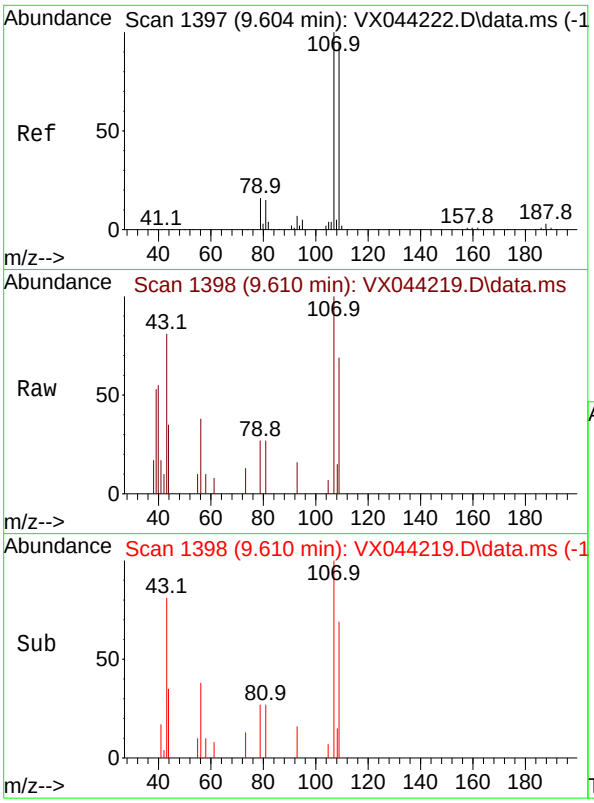




#60
Dibromochloromethane
Concen: 1.953 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:129 Resp: 1289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.2 | 38.5 | 115.3 |



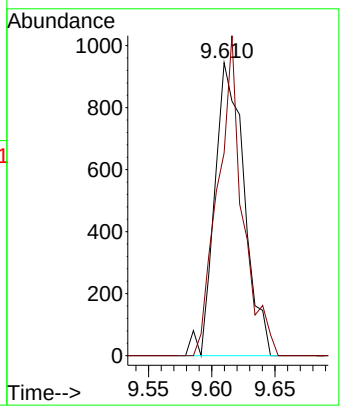


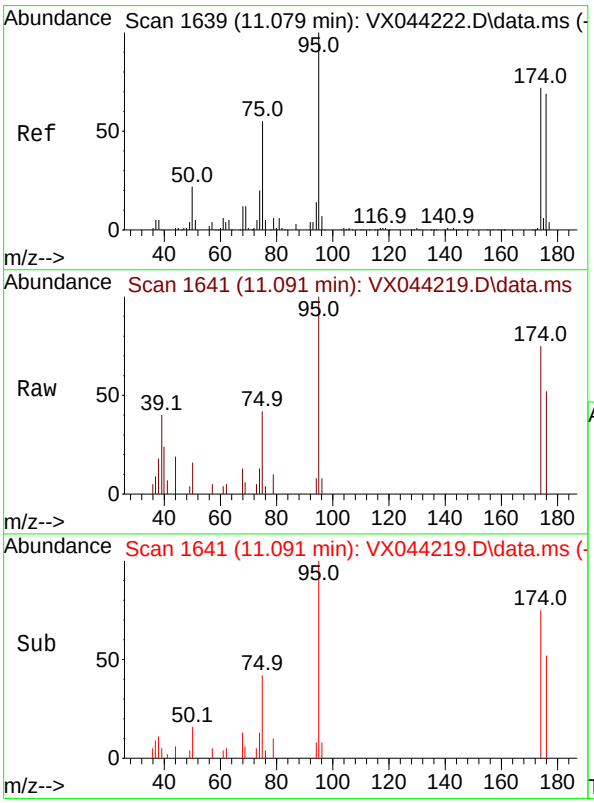

#61
1,2-Dibromoethane
Concen: 0.877 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:107 Resp: 1535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.3 | 77.0 | 115.4 |

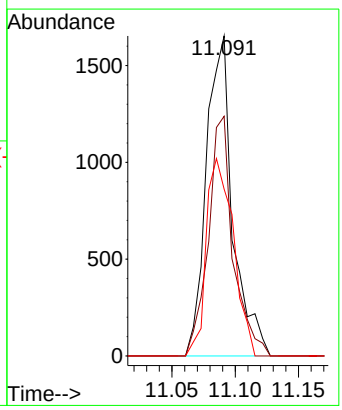


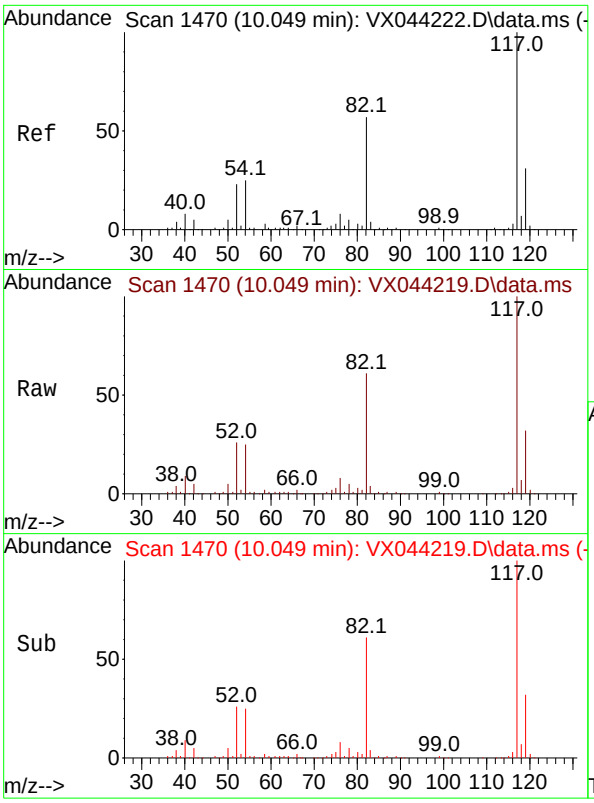




#62
4-Bromofluorobenzene
Concen: 1.158 ug/l
RT: 11.091 min Scan# 1641
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 95 Resp: 2398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.4 | 0.0 | 145.8 |
| 176 | 63.4 | 0.0 | 137.8 |



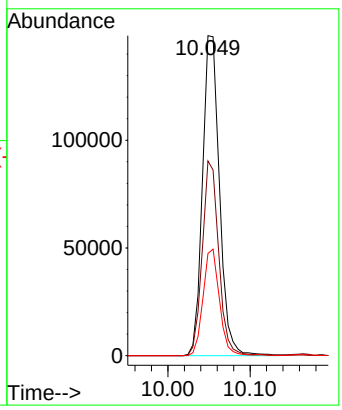


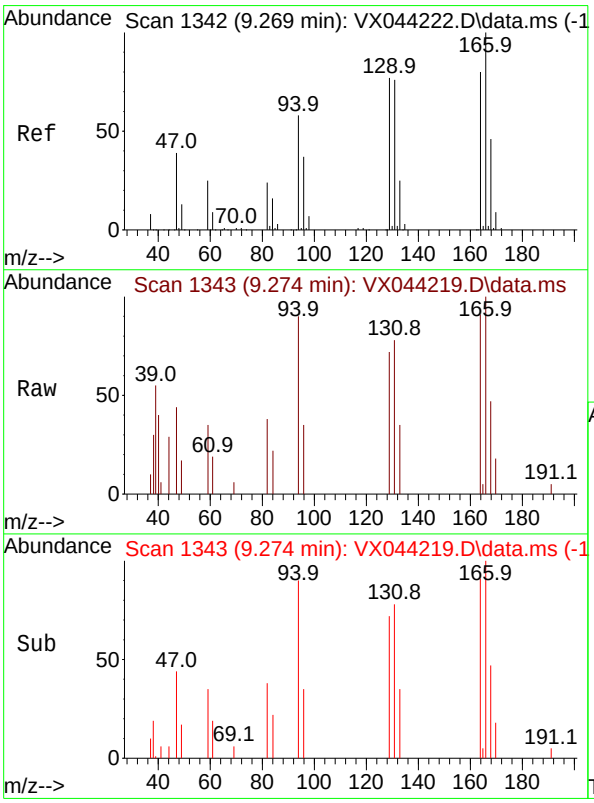

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:117 Resp: 213862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.9 | 45.8 | 68.8 |
| 119 | 32.0 | 25.0 | 37.4 |

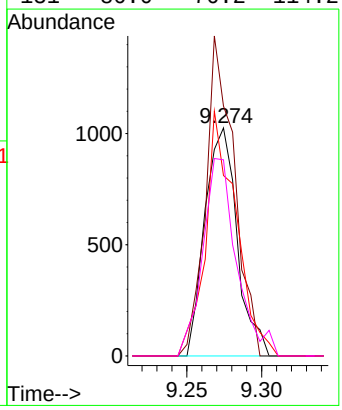


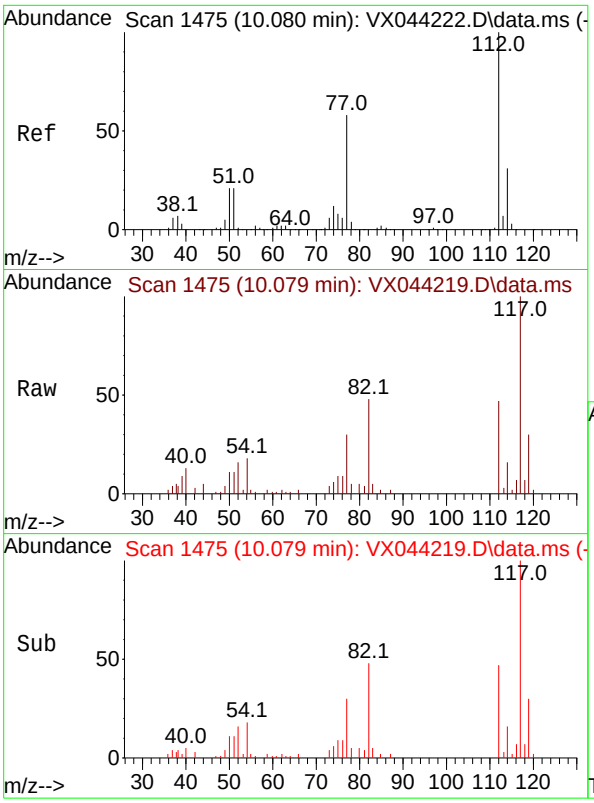




#64
Tetrachloroethene
Concen: 1.082 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:164 Resp: 1536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 109.7 | 100.4 | 150.6 |
| 129 | 79.2 | 77.2 | 115.8 |
| 131 | 86.0 | 76.2 | 114.2 |



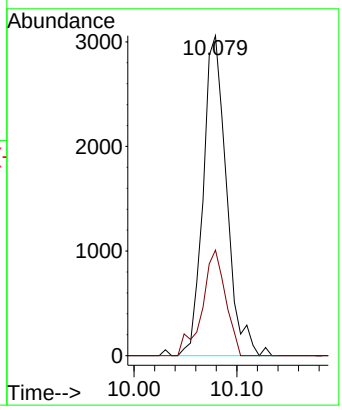


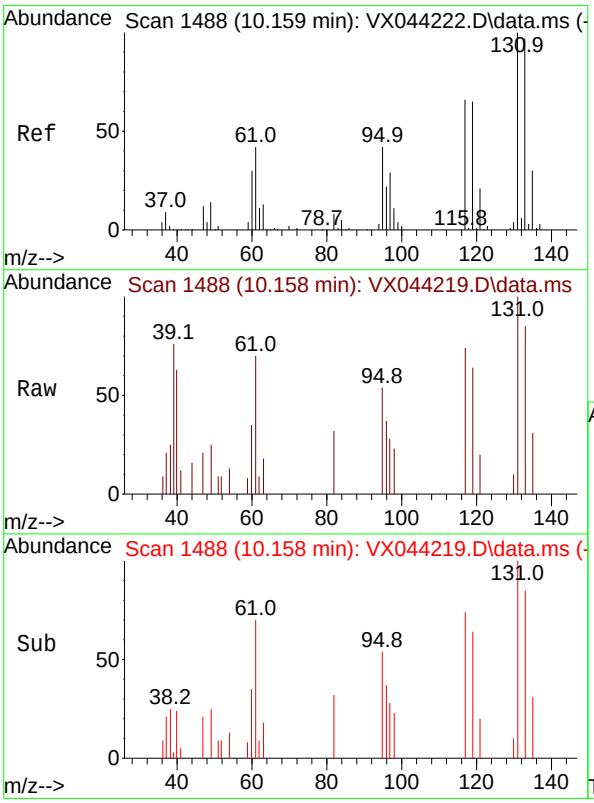

#65
Chlorobenzene
Concen: 1.055 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:112 Resp: 4835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.0 | 25.0 | 37.6 |

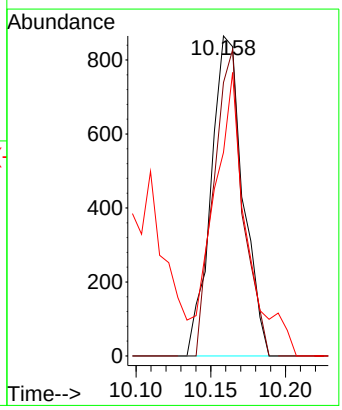


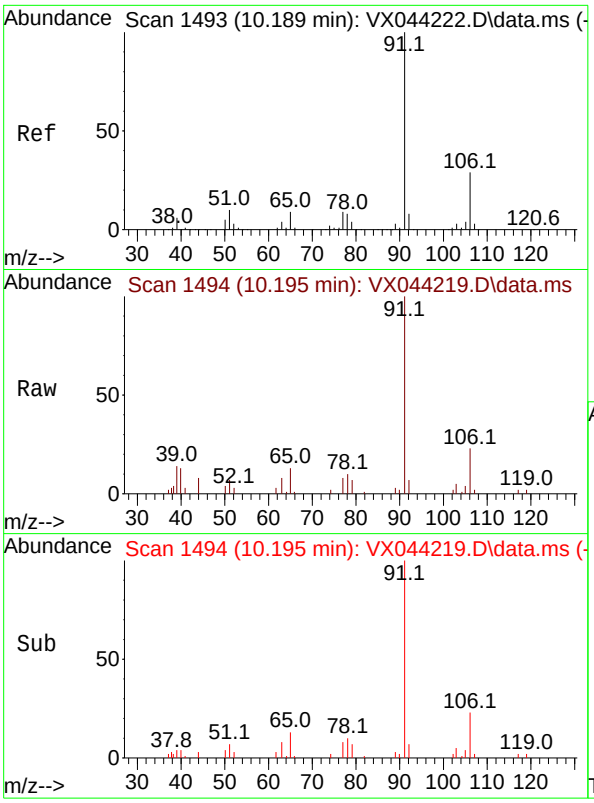




#66
1,1,1,2-Tetrachloroethane
Concen: 0.875 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:131 Resp: 1288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 87.3 | 47.3 | 141.8 |
| 119 | 0.0 | 31.6 | 95.0# |



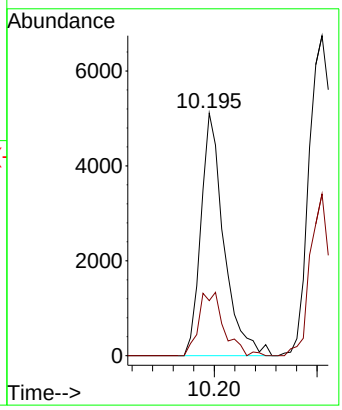


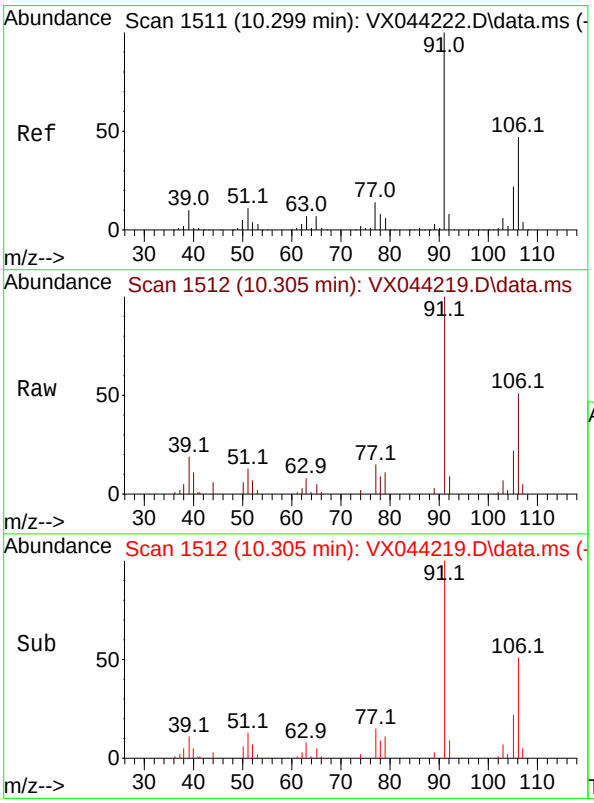

#67
Ethyl Benzene
Concen: 1.001 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 7924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 22.7 | 23.5 | 35.3# |

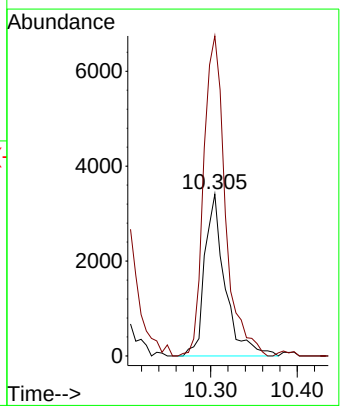


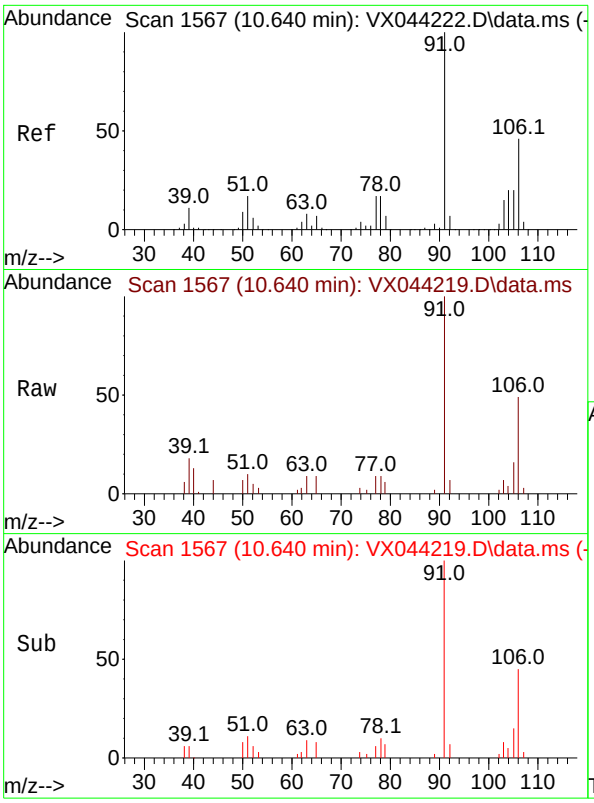




#68
m/p-Xylenes
Concen: 1.922 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:106 Resp: 5583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.1 | 170.2 | 255.2 |



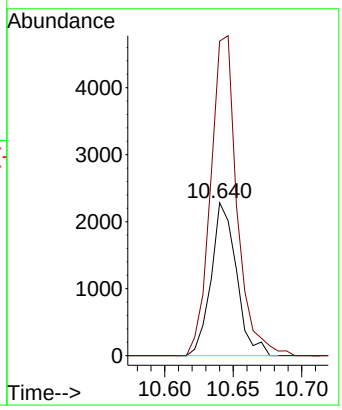


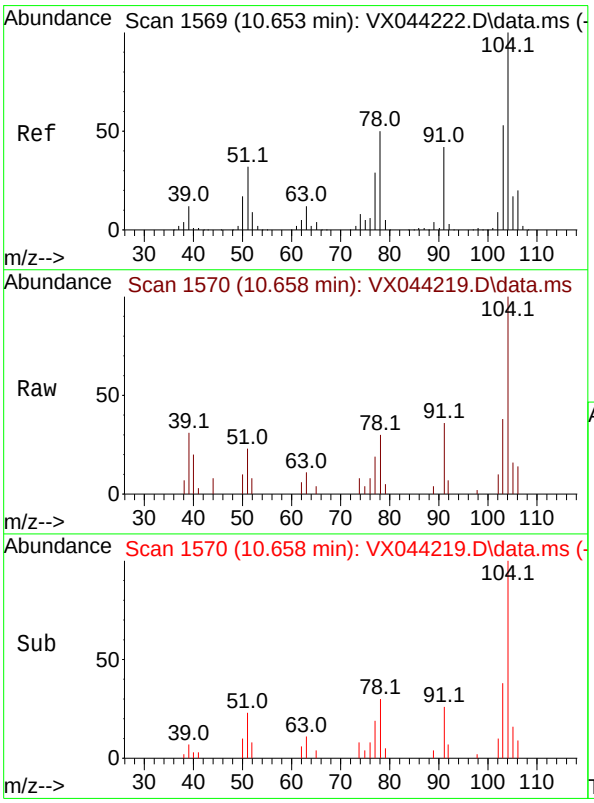

#69
o-Xylene
Concen: 0.998 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:106 Resp: 2933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.2 | 112.3 | 337.0 |

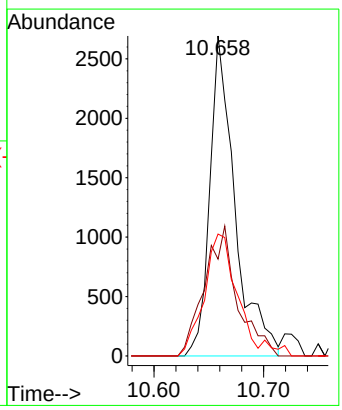


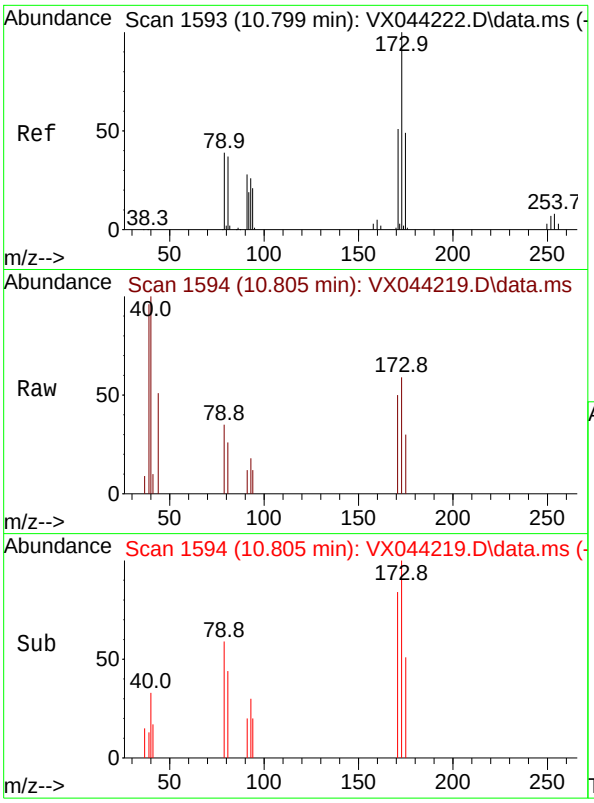




#70
Styrene
Concen: 0.914 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:104 Resp: 4306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.8 | 44.6 | 67.0 |
| 103 | 51.2 | 45.4 | 68.0 |



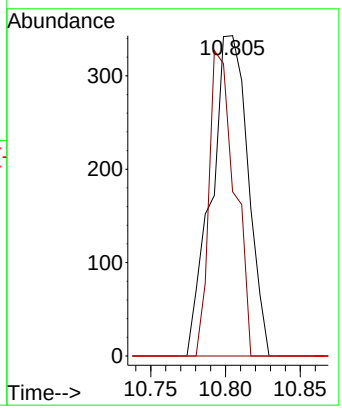


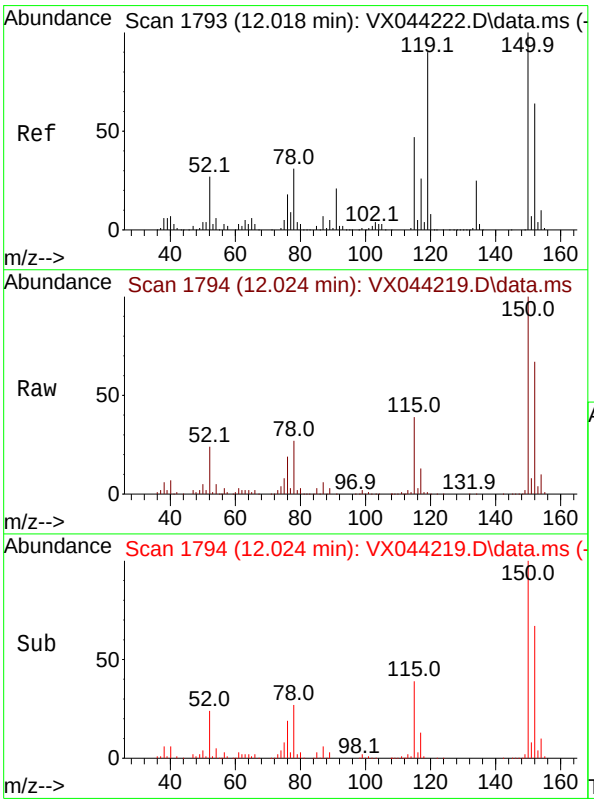

#71
Bromoform
Concen: 1.847 ug/l
RT: 10.805 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:173 Resp: 584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 66.1 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

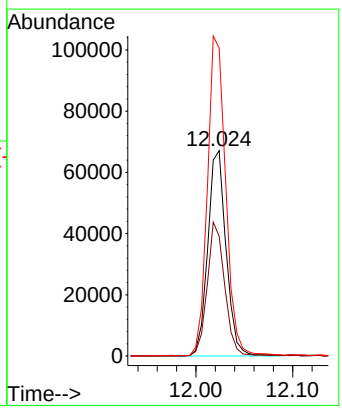


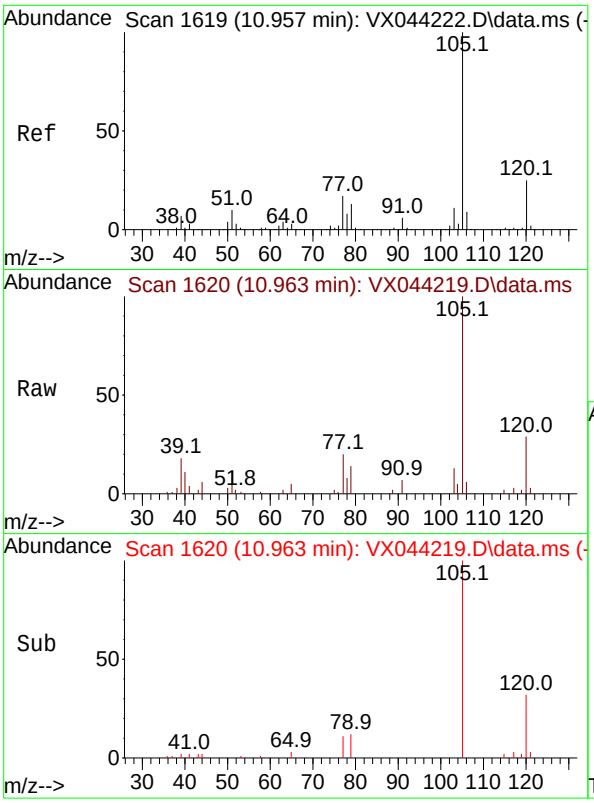




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:152 Resp: 88334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.1 | 44.5 | 133.3 |
| 150 | 155.1 | 0.0 | 353.8 |



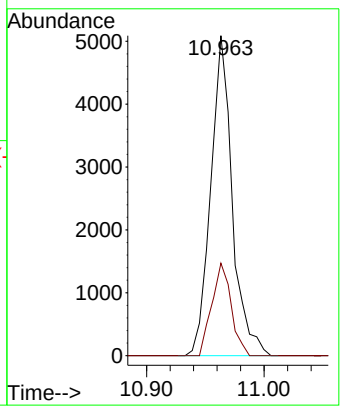


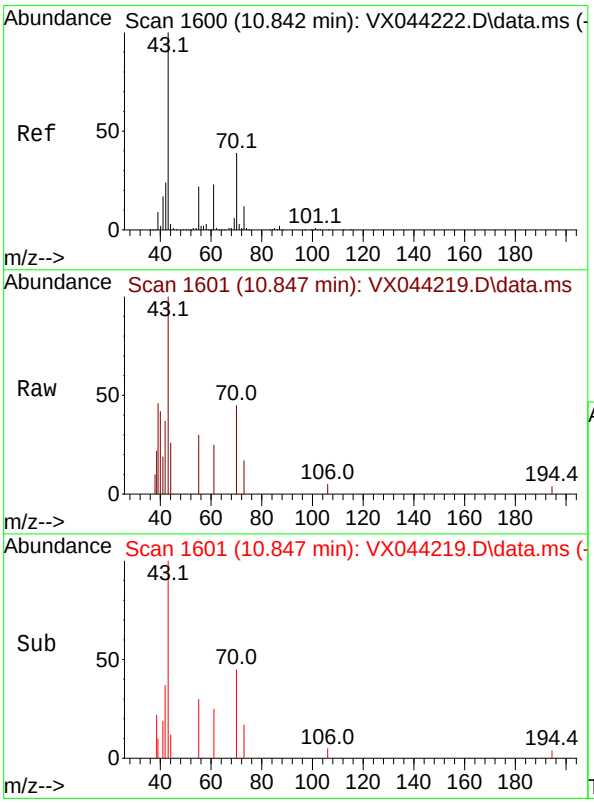

#73
Isopropylbenzene
Concen: 0.957 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:105 Resp: 6474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.1 | 39.3 |

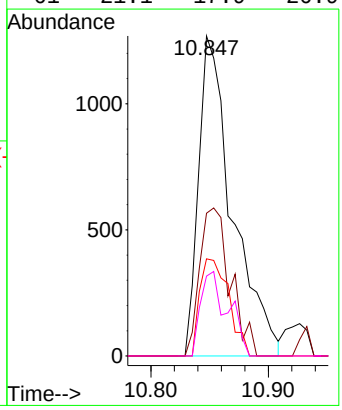


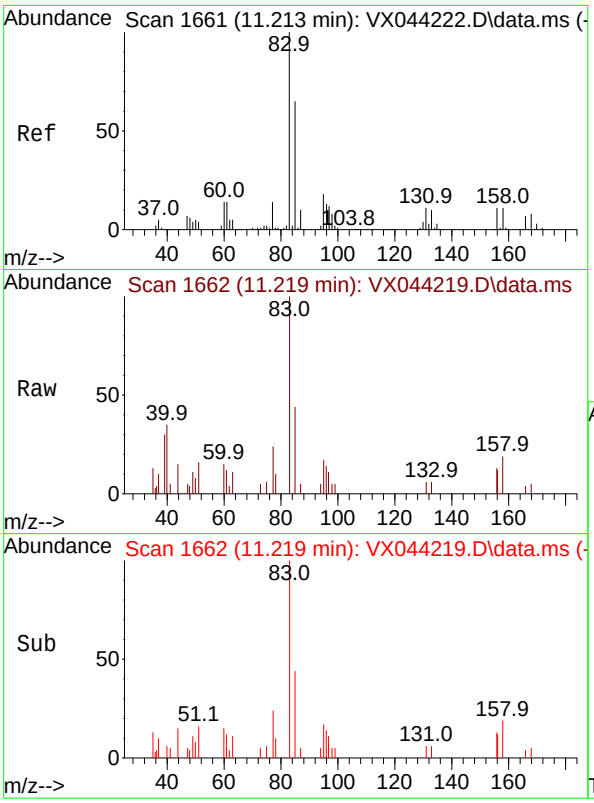




#74
N-amyl acetate
Concen: 0.811 ug/l
RT: 10.847 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.9 | 31.9 | 47.9 |
| 55 | 26.0 | 17.9 | 26.9 |
| 61 | 21.1 | 17.9 | 26.9 |



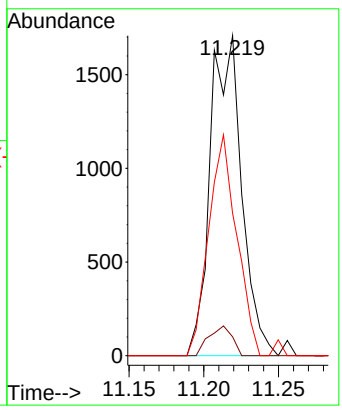


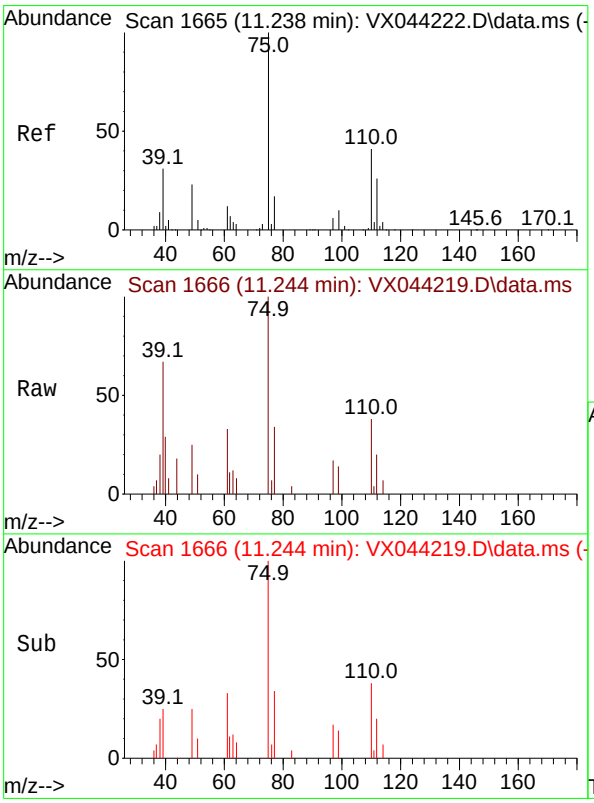

#75
1,1,2,2-Tetrachloroethane
Concen: 1.061 ug/l
RT: 11.219 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 2491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 6.9 | 5.1 | 15.4 |
| 85 | 61.8 | 32.5 | 97.4 |

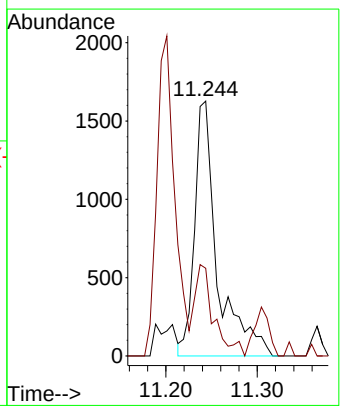


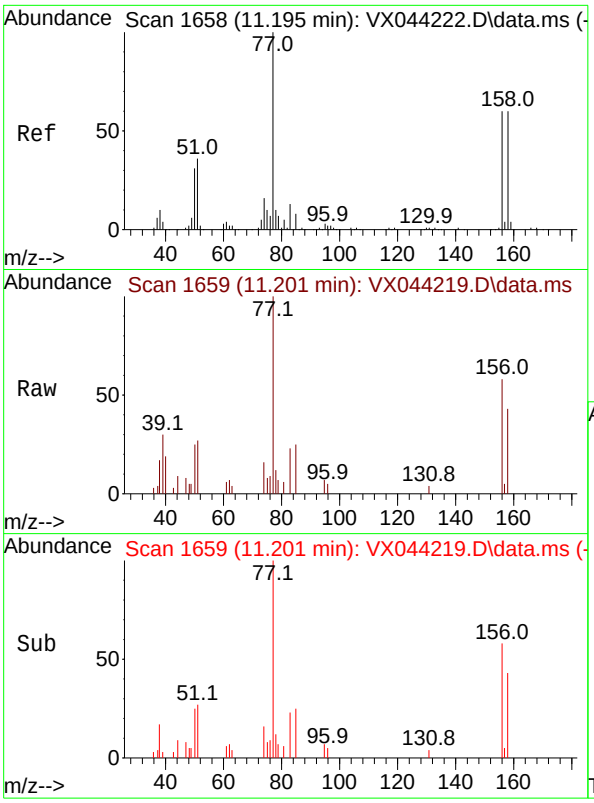




#76
1,2,3-Trichloropropane
Concen: 1.402 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 2810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.9 | 20.9 | 62.7 |



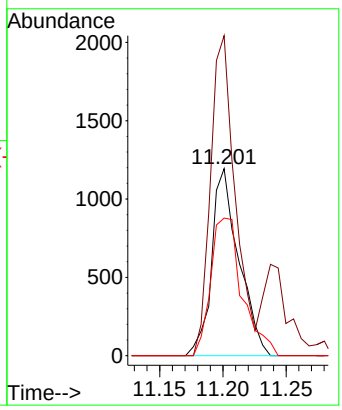


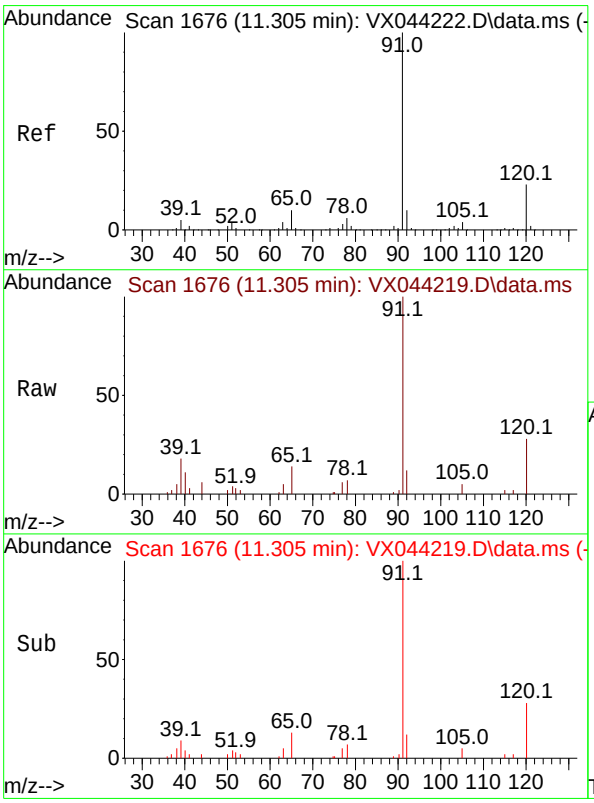

#77
Bromobenzene
Concen: 1.087 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:156 Resp: 1783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.1 | 82.6 | 247.8 |
| 158 | 85.2 | 48.8 | 146.4 |

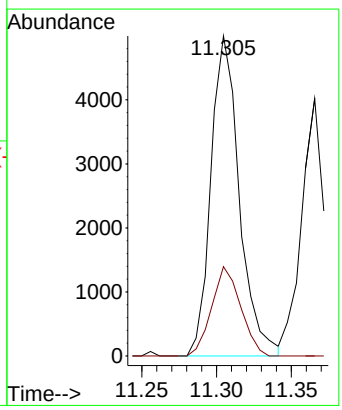


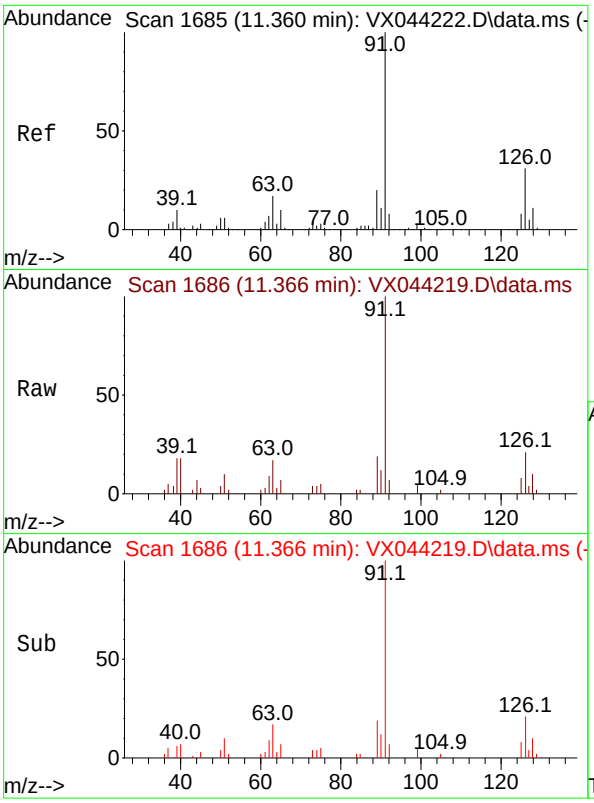




#78
n-propylbenzene
Concen: 0.884 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 6606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 28.4 | 11.0 | 33.0 |



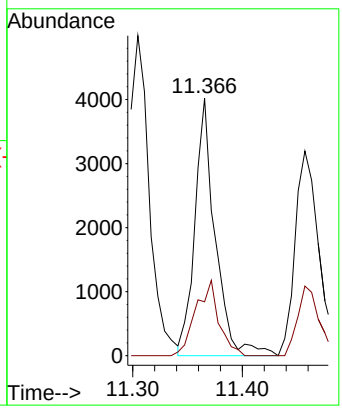


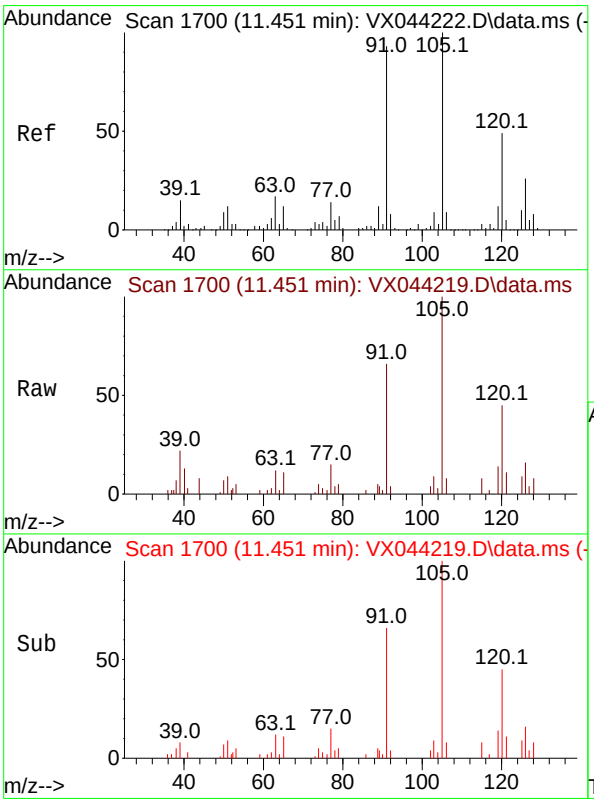

#79
2-Chlorotoluene
Concen: 1.075 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 5194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.4 | 49.1 |

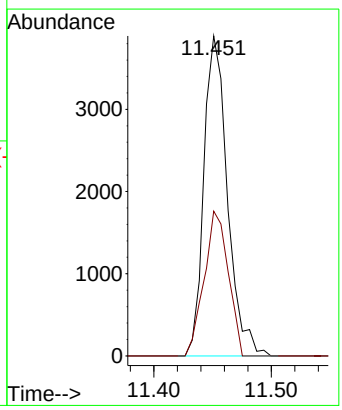


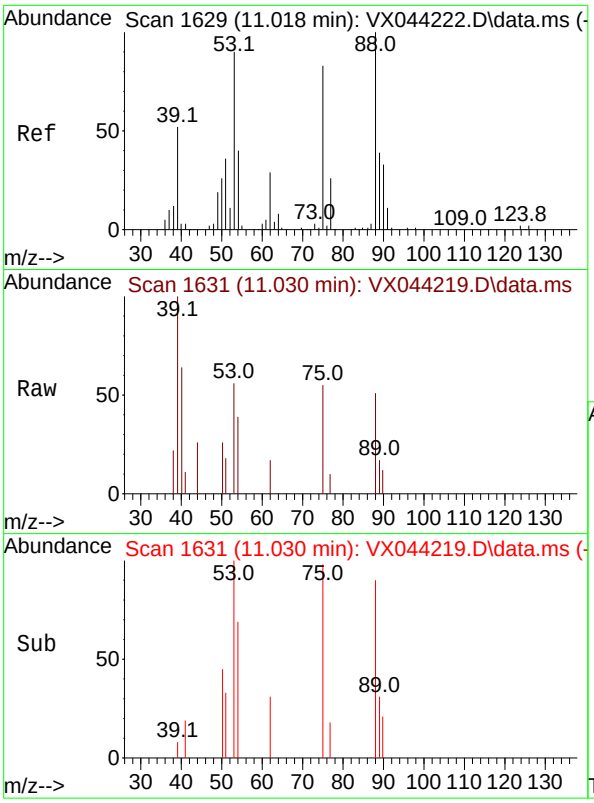




#80
1,3,5-Trimethylbenzene
Concen: 0.966 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 5417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.2 | 23.8 | 71.4 |



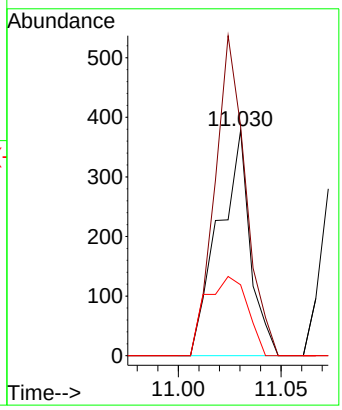


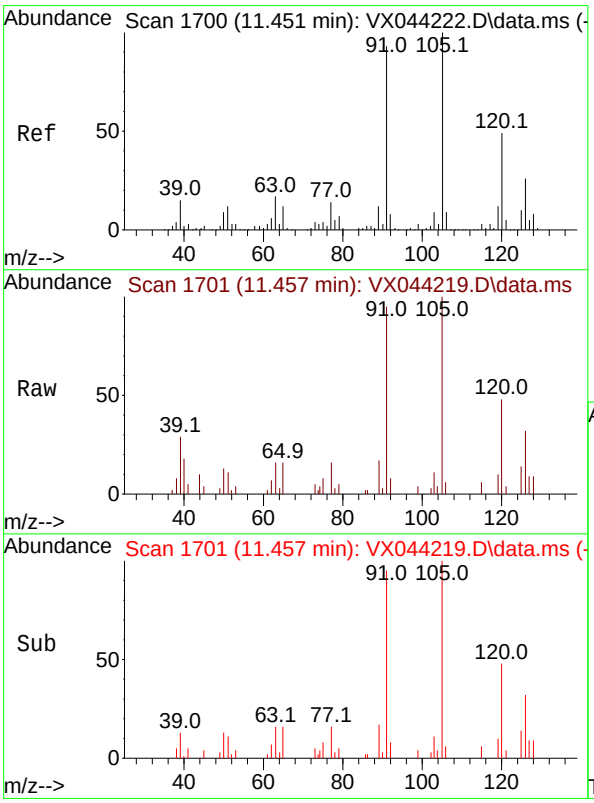

#81
trans-1,4-Dichloro-2-butene
Concen: 6.098 ug/l
RT: 11.030 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 75 Resp: 402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 139.1 | 93.6 | 140.4 |
| 89 | 46.8 | 37.3 | 55.9 |

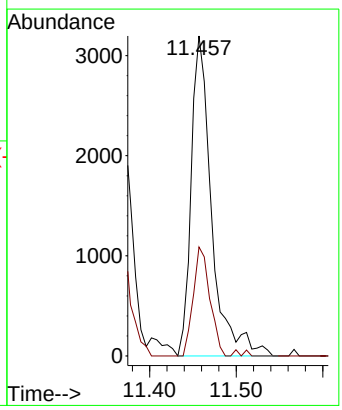


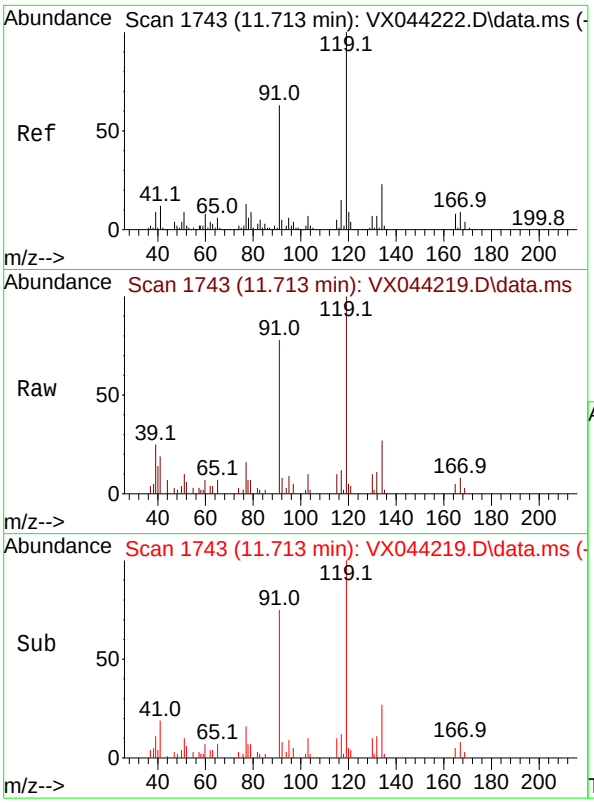




#82
4-Chlorotoluene
Concen: 0.978 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 5236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 27.7 | 14.5 | 43.5 |



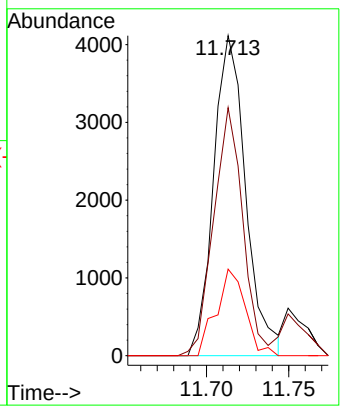


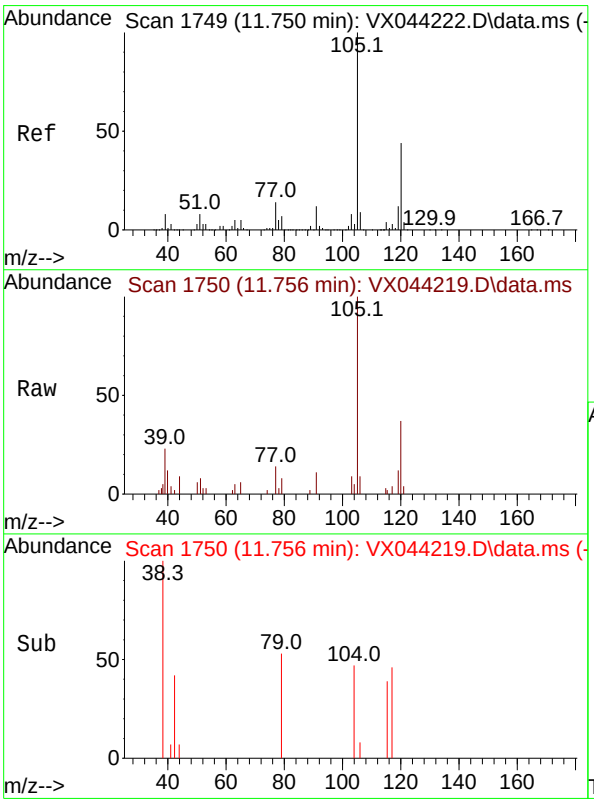

#83
tert-Butylbenzene
Concen: 1.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:119 Resp: 5601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 70.2 | 30.9 | 92.5 |
| 134 | 24.5 | 11.5 | 34.4 |

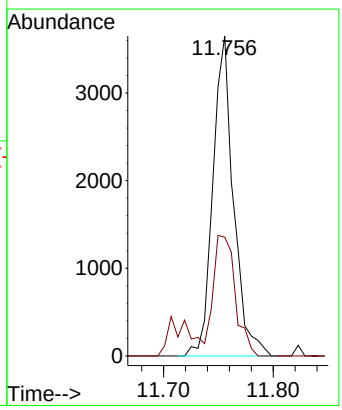


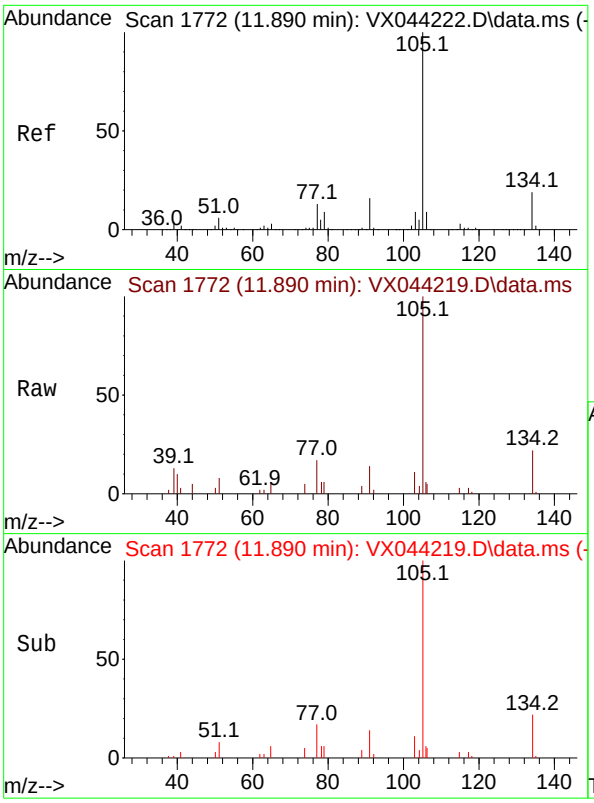




#84
1,2,4-Trimethylbenzene
Concen: 0.866 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 4769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.0 | 21.7 | 65.1 |



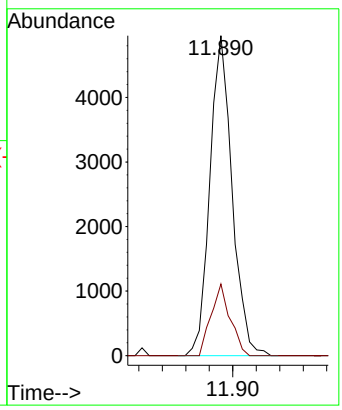


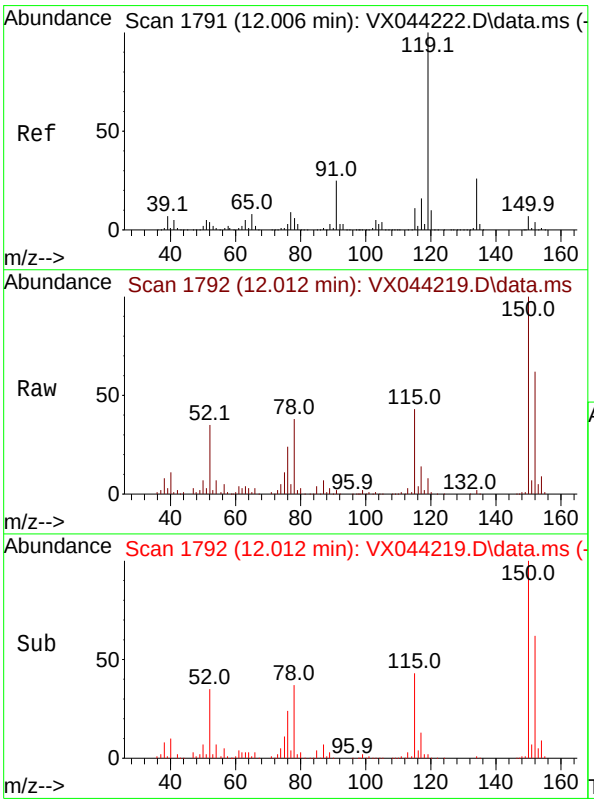

#85
sec-Butylbenzene
Concen: 0.966 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:105 Resp: 6500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.3 | 9.8 | 29.4 |

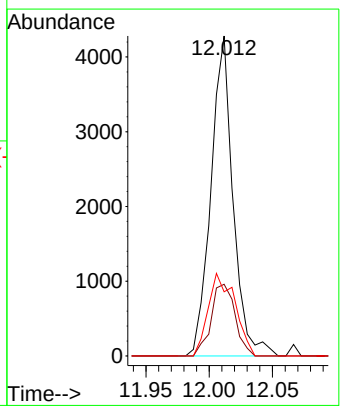


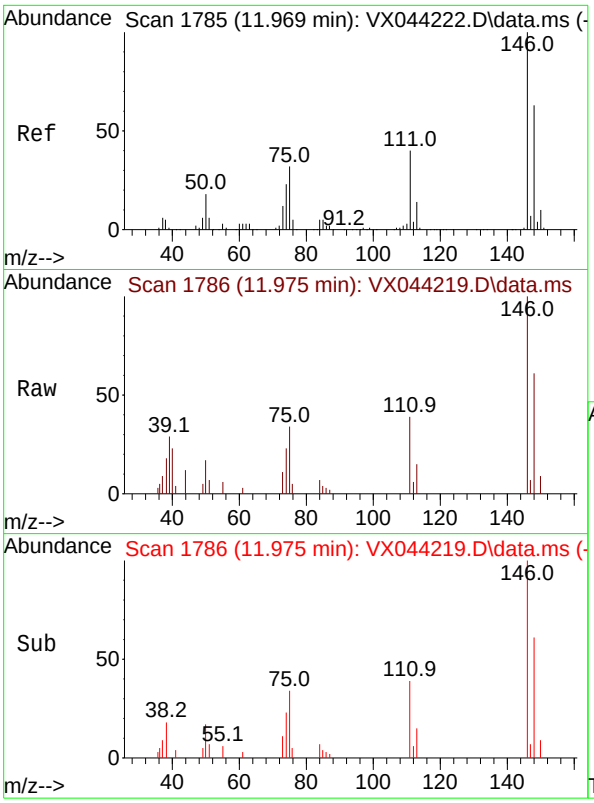




#86
p-Isopropyltoluene
Concen: 0.930 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:119 Resp: 5210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.2 | 12.8 | 38.4 |
| 91 | 31.2 | 13.0 | 39.0 |



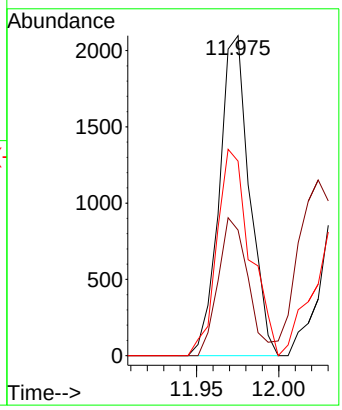


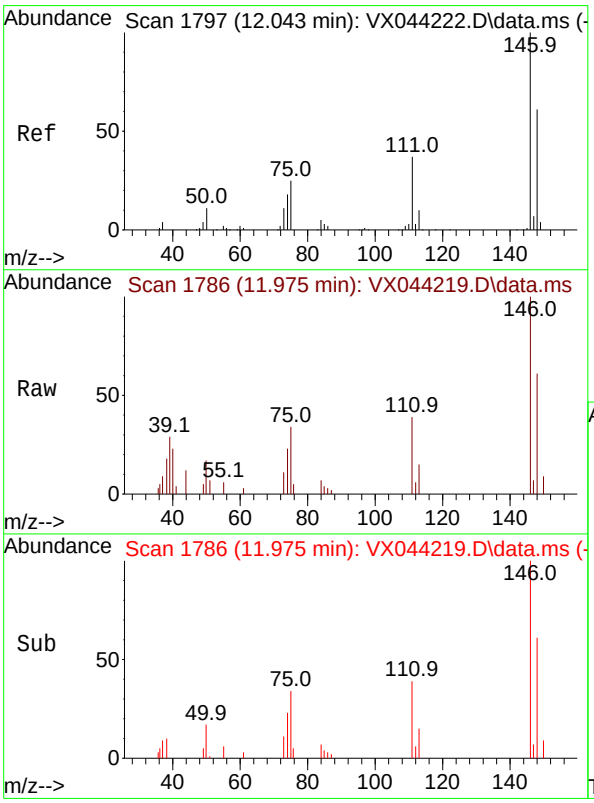

#87
1,3-Dichlorobenzene
Concen: 0.937 ug/l
RT: 11.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:146 Resp: 2684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.4 | 64.2 |
| 148 | 71.6 | 31.7 | 95.1 |

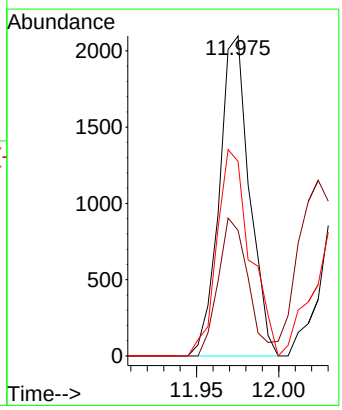


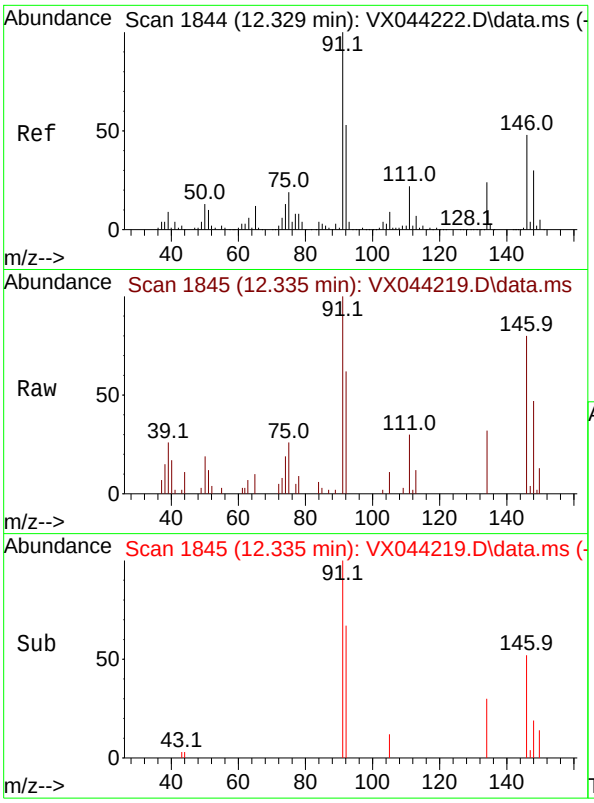




#88
1,4-Dichlorobenzene
Concen: 0.912 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.067 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:146 Resp: 2684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.0 | 63.0 |
| 148 | 71.6 | 32.3 | 96.8 |



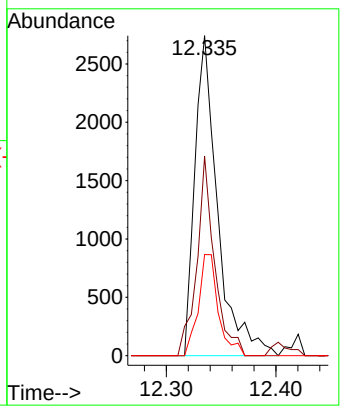


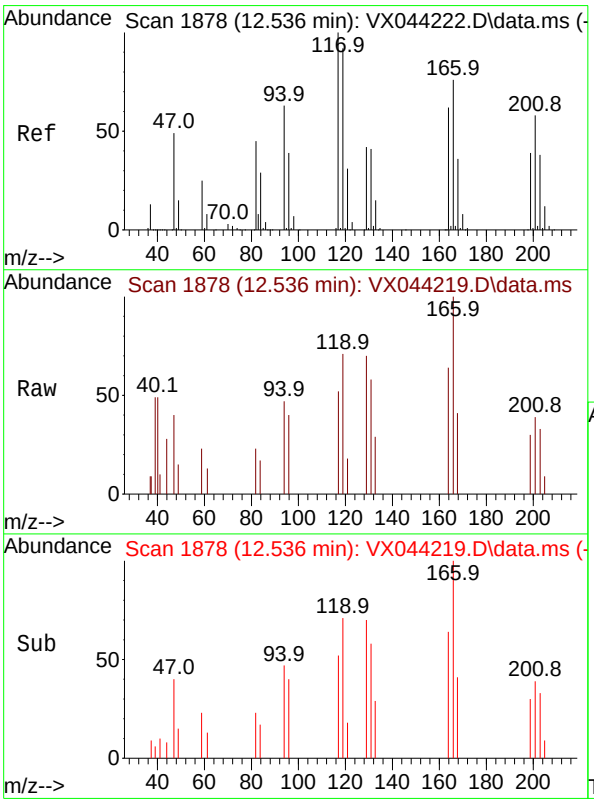

#89
n-Butylbenzene
Concen: 0.844 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 3973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 48.5 | 26.6 | 79.7 |
| 134 | 27.8 | 12.6 | 37.8 |

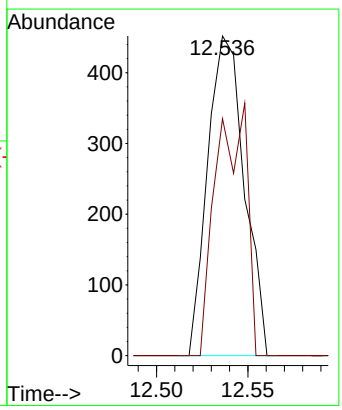


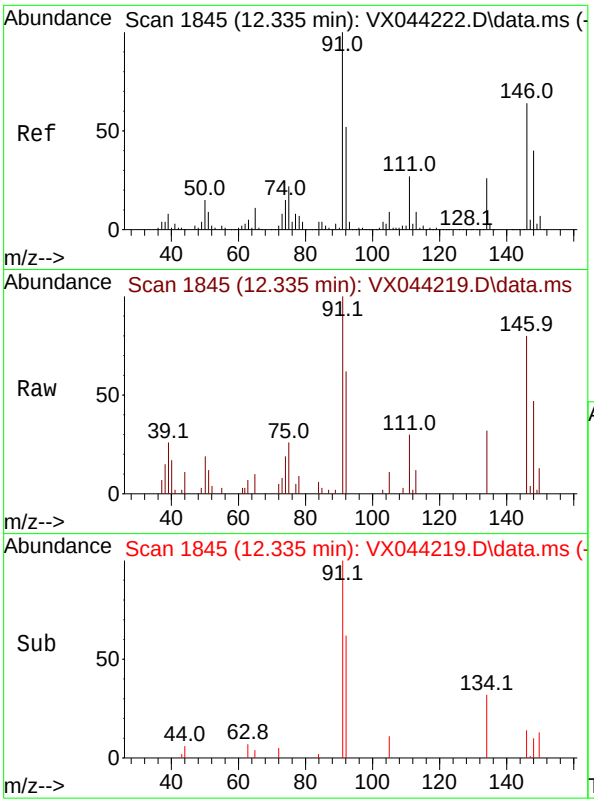




#90
Hexachloroethane
Concen: 0.773 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:117 Resp: 632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.9 | 31.4 | 94.2 |



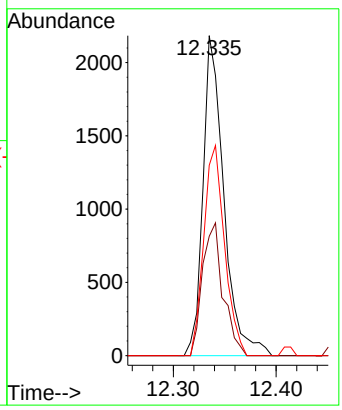


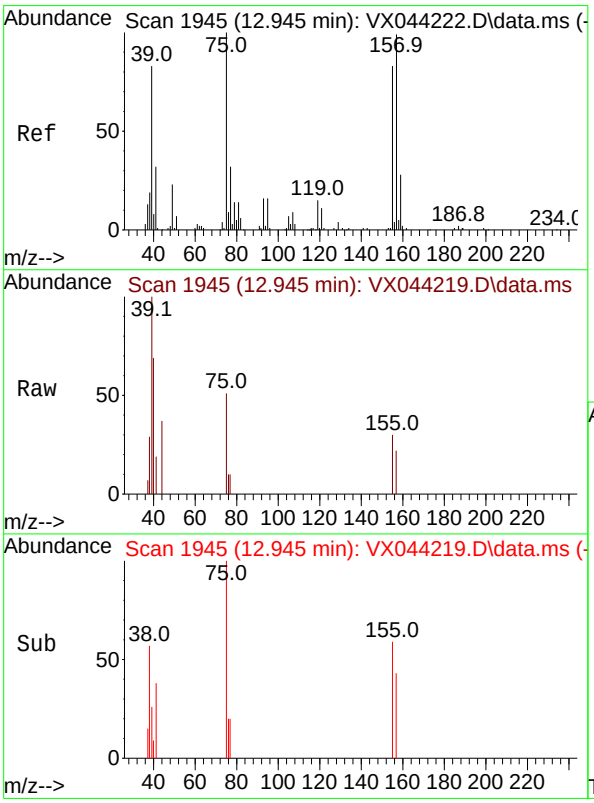

#91
1,2-Dichlorobenzene
Concen: 1.036 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:146 Resp: 3082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 21.4 | 64.3 |
| 148 | 65.4 | 31.6 | 95.0 |

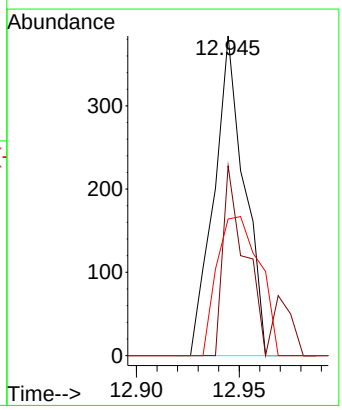


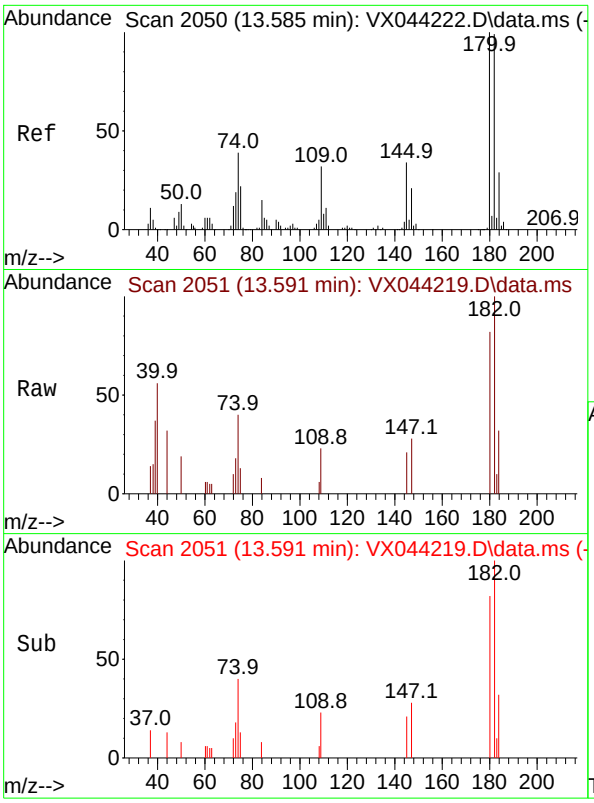




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.860 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 54.6 | 38.1 | 114.3 |
| 157 | 61.5 | 47.2 | 141.6 |



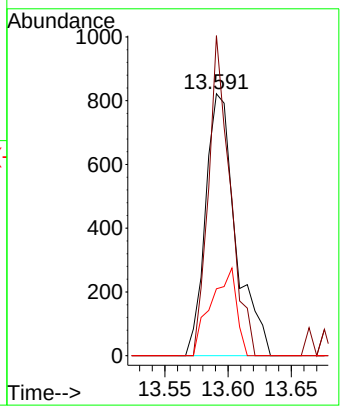


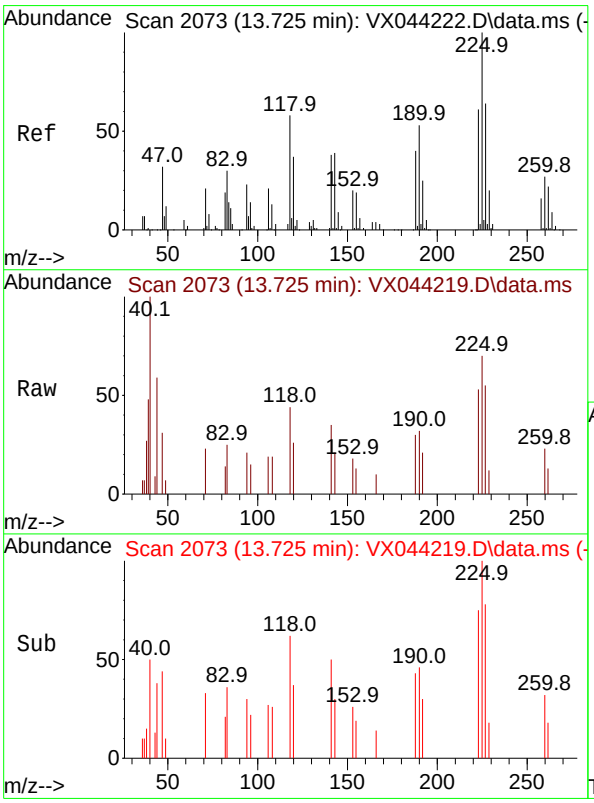

#93
1,2,4-Trichlorobenzene
Concen: 0.835 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:180 Resp: 1361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 88.0 | 48.0 | 144.2 |
| 145 | 28.4 | 16.6 | 49.7 |

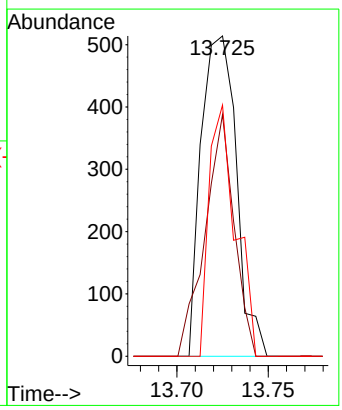


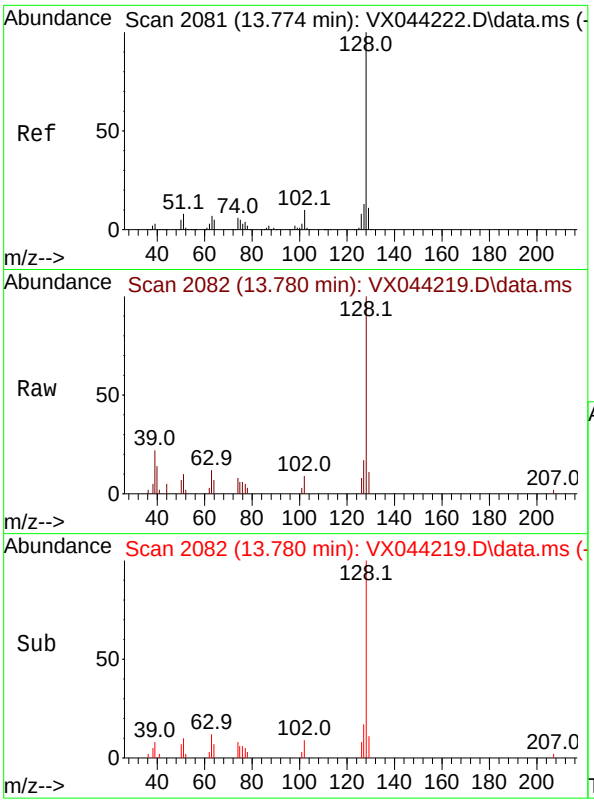




#94
Hexachlorobutadiene
Concen: 1.051 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:225 Resp: 689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 30.8 | 92.4 |
| 227 | 59.4 | 32.1 | 96.3 |



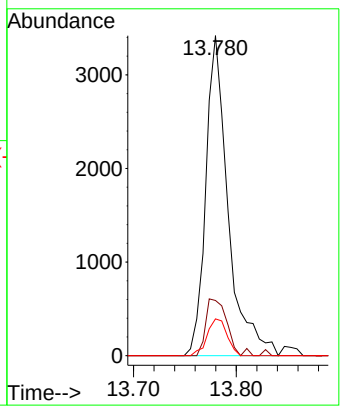


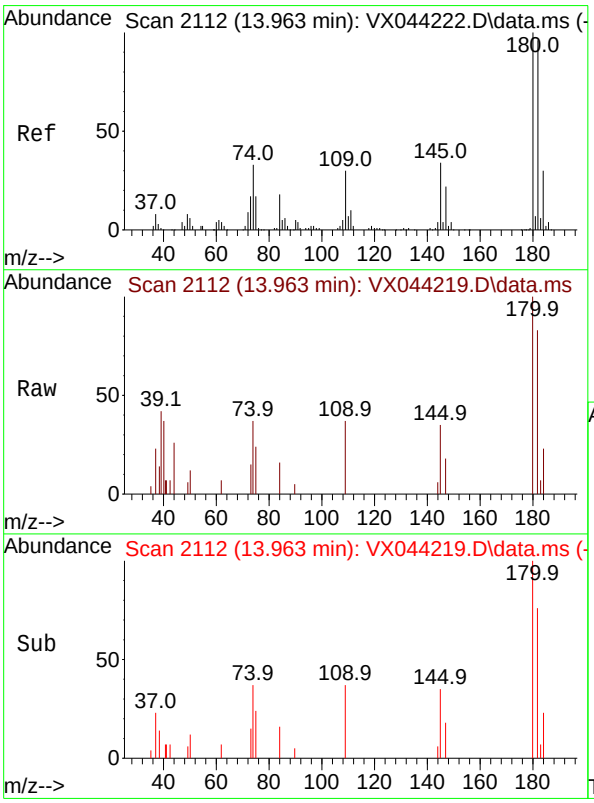

#95
Naphthalene
Concen: 0.812 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:128 Resp: 5167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 16.8 | 10.5 | 15.7# |
| 129 | 10.2 | 9.0 | 13.4 |

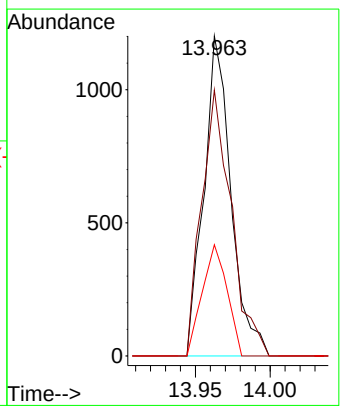



#96
1,2,3-Trichlorobenzene
Concen: 0.873 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:180 Resp: 1509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.3 | 48.0 | 144.0 |
| 145 | 31.9 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 139609 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 258881 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 217783 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 95175 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 13043 | 5.328 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 10.660%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 9145 | 5.100 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 10.200%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 29732 | 4.915 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 9.840%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 10101 | 4.779 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 9.560%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 10452 | 4.842 | ug/l | 91 |
| 3) Chloromethane | 1.294 | 50 | 10429 | 5.052 | ug/l | 95 |
| 4) Vinyl Chloride | 1.374 | 62 | 11031 | 5.129 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 8237 | 5.399 | ug/l | 92 |
| 6) Chloroethane | 1.660 | 64 | 7253 | 5.416 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 21207 | 5.037 | ug/l | 91 |
| 8) Diethyl Ether | 2.136 | 74 | 7199 | 5.009 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 8766 | 5.145 | ug/l | 97 |
| 10) Methyl Iodide | 2.447 | 142 | 11066 | 4.928 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.995 | 59 | 6094 | 17.693 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 7822 | 4.999 | ug/l | 95 |
| 13) Acrolein | 2.239 | 56 | 12521 | 25.073 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 12490 | 4.792 | ug/l | 94 |
| 15) Acrylonitrile | 3.069 | 53 | 23276 | 24.357 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 24645 | 24.696 | ug/l | 93 |
| 17) Carbon Disulfide | 2.495 | 76 | 12169 | 4.091 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 12412 | 4.824 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 30546 | 5.002 | ug/l | 94 |
| 20) Methylene Chloride | 2.782 | 84 | 9466 | 5.050 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 7768 | 4.671 | ug/l | 97 |
| 22) Diisopropyl ether | 3.764 | 45 | 29518 | 5.029 | ug/l # | 73 |
| 23) Vinyl Acetate | 3.721 | 43 | 109670 | 22.983 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 16370 | 5.004 | ug/l | 96 |
| 25) 2-Butanone | 4.574 | 43 | 34245 | 24.138 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 12514 | 4.708 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 10292 | 4.873 | ug/l | 97 |
| 28) Bromochloromethane | 4.897 | 49 | 8049 | 5.017 | ug/l # | 93 |
| 29) Tetrahydrofuran | 5.019 | 42 | 24307 | 26.693 | ug/l | 94 |
| 30) Chloroform | 5.093 | 83 | 18319 | 4.984 | ug/l | 93 |
| 31) Cyclohexane | 5.464 | 56 | 12995 | 4.919 | ug/l | 89 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 14231 | 4.664 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 11455 | 4.942 | ug/l | 94 |
| 37) Ethyl Acetate | 4.727 | 43 | 13265 | 4.630 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 11476 | 4.599 | ug/l | 96 |
| 39) Methylcyclohexane | 7.373 | 83 | 13019 | 4.699 | ug/l # | 85 |
| 40) Benzene | 6.037 | 78 | 35018 | 4.976 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.946 | 41 | 7585 | 4.986 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 14419 | 4.974 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.354 | 43 | 22098 | 4.935 | ug/l | | 98 |
| 44) Trichloroethene | 7.123 | 130 | 8405 | 4.790 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 8932 | 4.968 | ug/l | | 94 |
| 46) Dibromomethane | 7.586 | 93 | 6915 | 4.958 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 10646 | 4.420 | ug/l | # | 98 |
| 48) Methyl methacrylate | 7.702 | 41 | 9586 | 4.410 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.671 | 88 | 2783 | 74.917 | ug/l | # | 84 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 71285 | 24.759 | ug/l | | 98 |
| 52) Toluene | 8.720 | 92 | 21486 | 4.862 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 9232 | 4.665 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.372 | 75 | 11404 | 4.348 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 8590 | 4.893 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.122 | 69 | 11854 | 4.277 | ug/l | # | 89 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 15352 | 5.024 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 34738 | 24.852 | ug/l | | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 50003 | 23.994 | ug/l | | 96 |
| 60) Dibromochloromethane | 9.519 | 129 | 6411 | 4.738 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 8330 | 4.662 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.275 | 164 | 7710 | 5.334 | ug/l | # | 87 |
| 65) Chlorobenzene | 10.079 | 112 | 23268 | 4.986 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 6647 | 4.432 | ug/l | | 94 |
| 67) Ethyl Benzene | 10.195 | 91 | 39326 | 4.877 | ug/l | | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 28758 | 9.720 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 14864 | 4.965 | ug/l | | 97 |
| 70) Styrene | 10.659 | 104 | 22191 | 4.624 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 3775 | 5.118 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.963 | 105 | 37843 | 5.194 | ug/l | | 98 |
| 74) N-amyl acetate | 10.842 | 43 | 15418 | 4.579 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 12848 | 5.077 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 12901 | 5.974 | ug/l | | 91 |
| 77) Bromobenzene | 11.201 | 156 | 8892 | 5.033 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 40574 | 5.038 | ug/l | | 96 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 27096 | 5.203 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 30665 | 5.075 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75 | 2249 | 8.273 | ug/l | # | 62 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 29039 | 5.035 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 29283 | 4.904 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 30970 | 5.219 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 35670 | 4.921 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 29132 | 4.828 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 15553 | 5.039 | ug/l | | 96 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 15609 | 4.920 | ug/l | | 95 |
| 89) n-Butylbenzene | 12.335 | 91 | 22719 | 4.478 | ug/l | | 98 |
| 90) Hexachloroethane | 12.536 | 117 | 3765 | 4.275 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 15858 | 4.949 | ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 2154 | 4.385 | ug/l | | 81 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 7867 | 4.478 | ug/l | | 96 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 3321 | 4.700 | ug/l | | 93 |
| 95) Naphthalene | 13.780 | 128 | 31842 | 4.643 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 8422 | 4.520 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

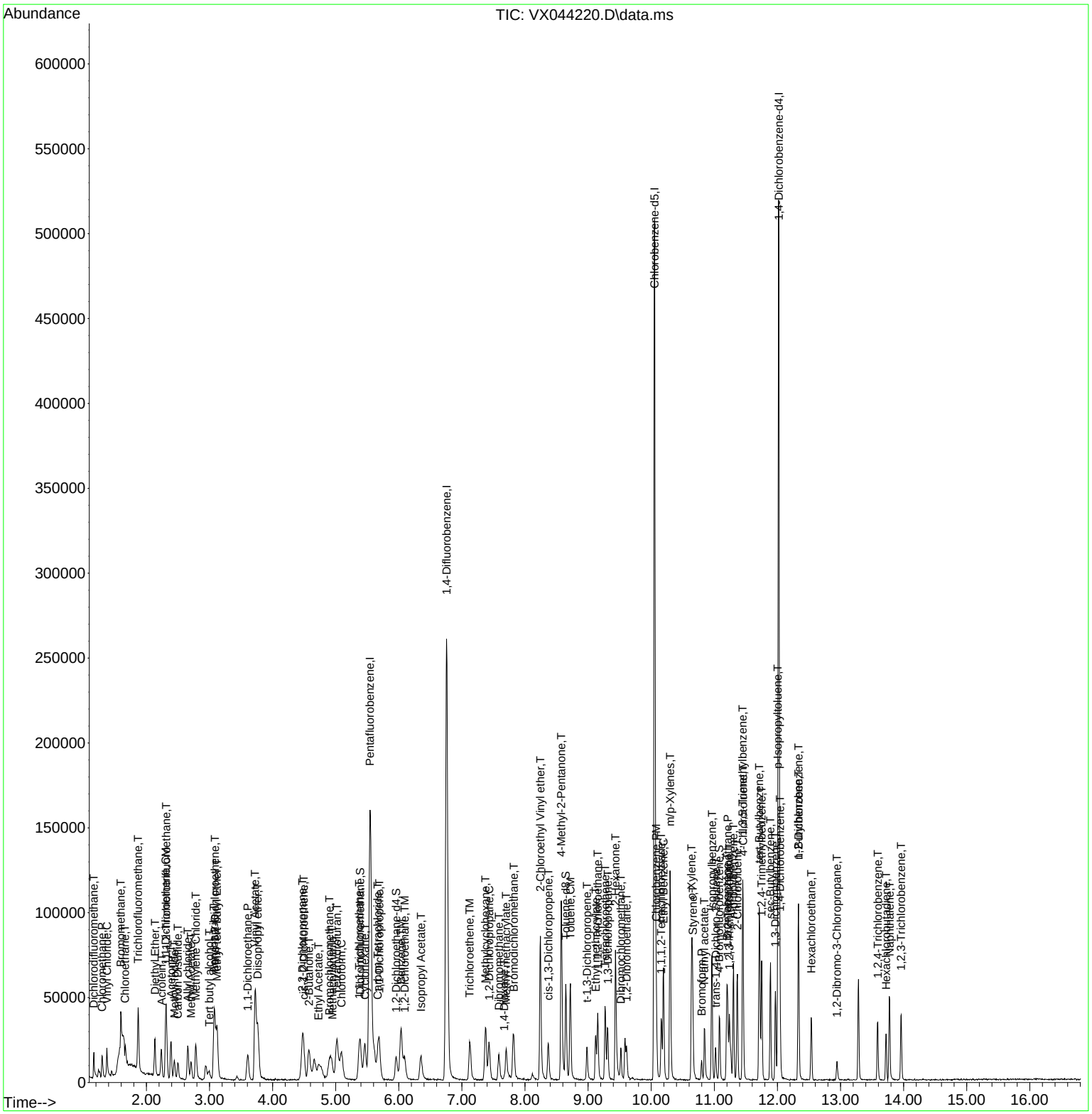
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

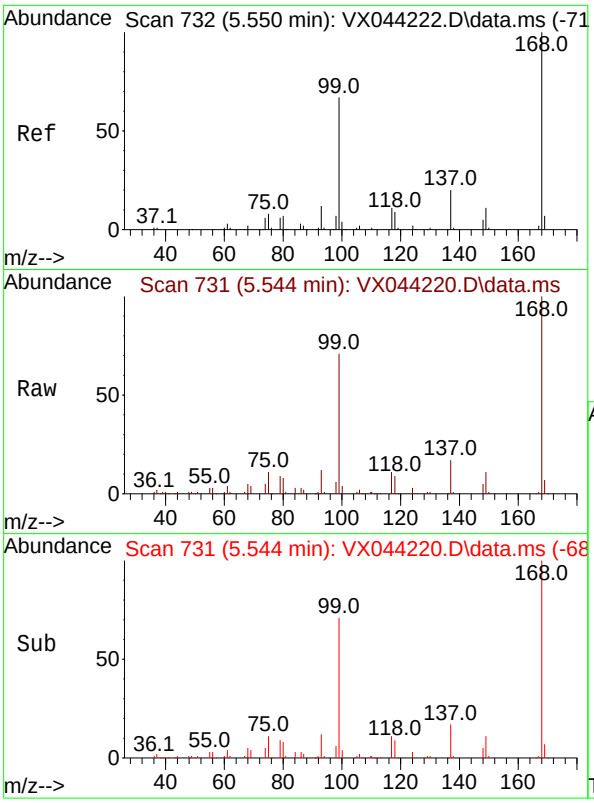
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



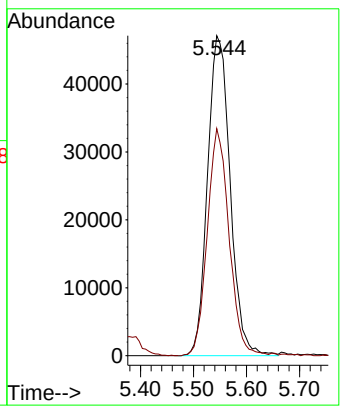


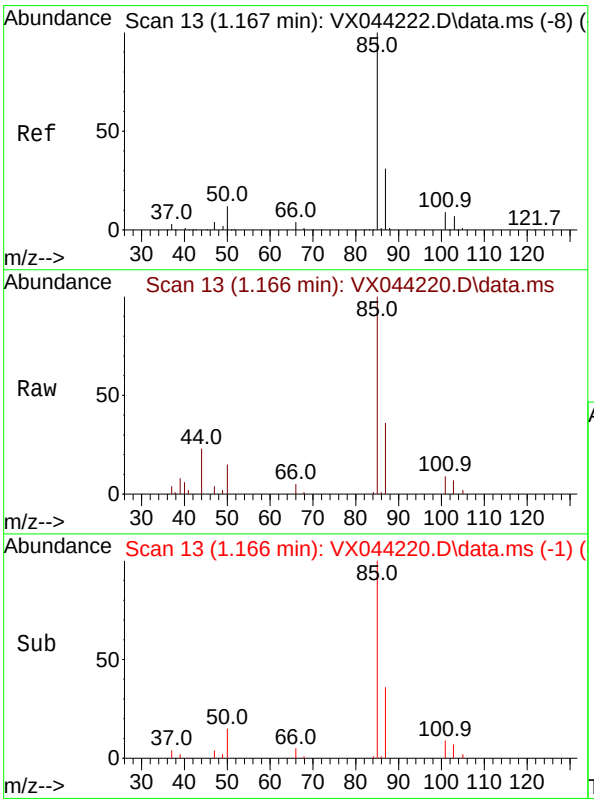

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:168 Resp: 139609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.0 | 53.4 | 80.0 |

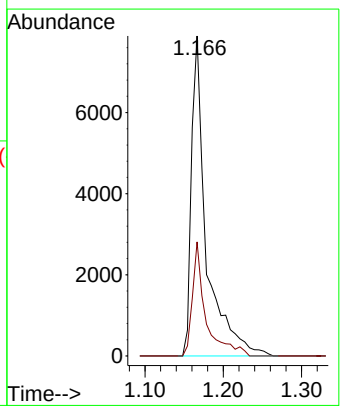


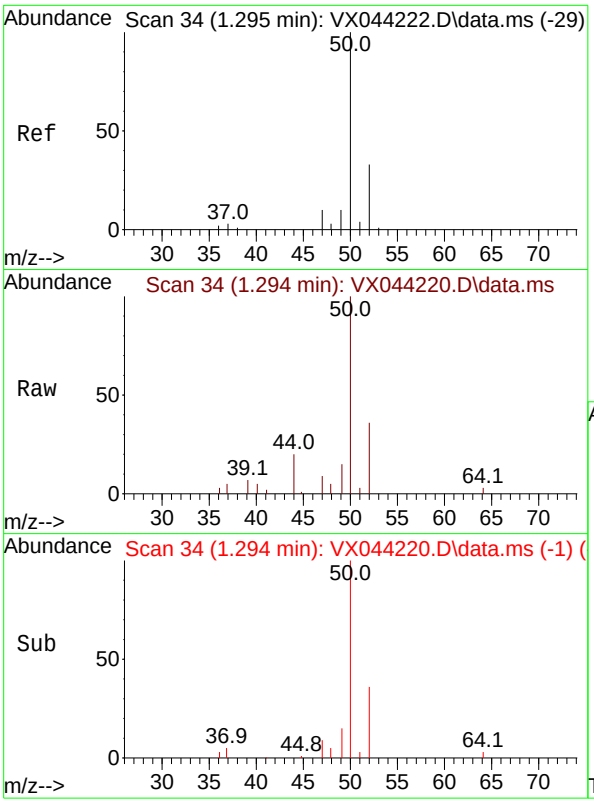




#2
Dichlorodifluoromethane
Concen: 4.842 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 85 Resp: 10452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 35.6 | 15.4 | 46.4 |



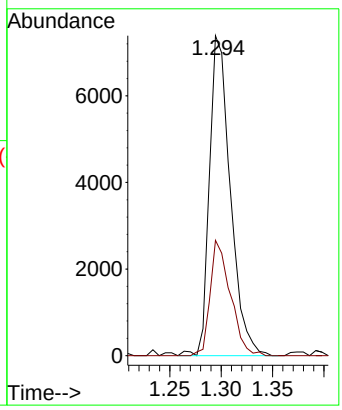


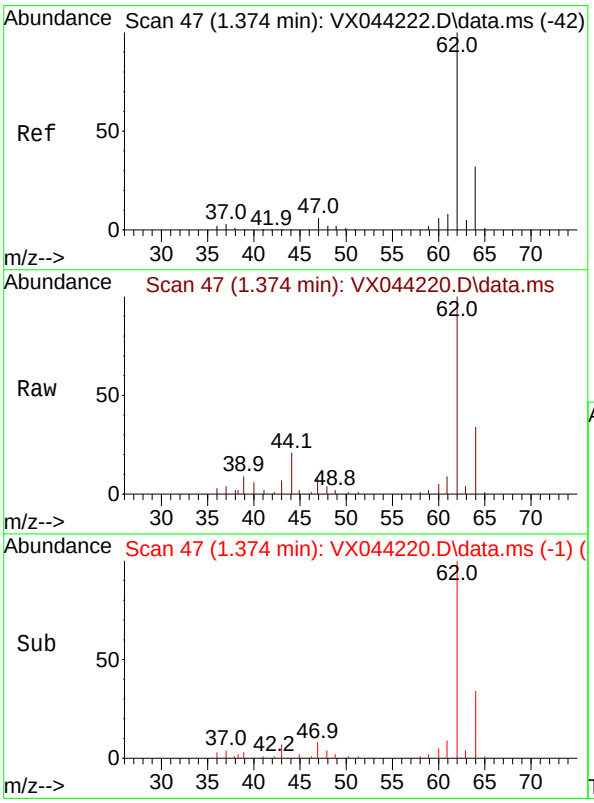

#3
Chloromethane
Concen: 5.052 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 50 Resp: 10429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.0 | 26.5 | 39.7 |

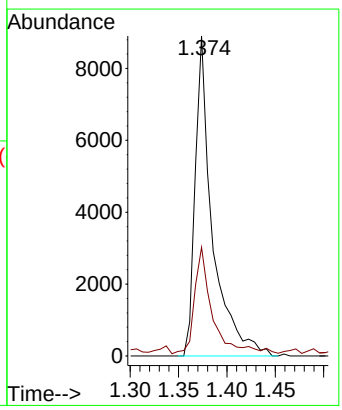


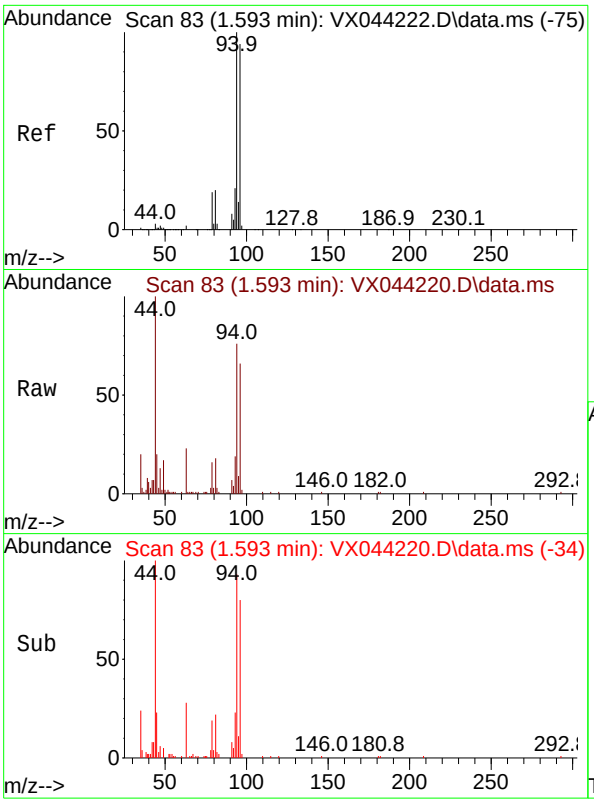




#4
Vinyl Chloride
Concen: 5.129 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 62 Resp: 11031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.1 | 25.7 | 38.5 |



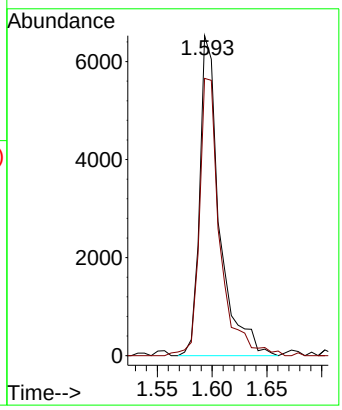


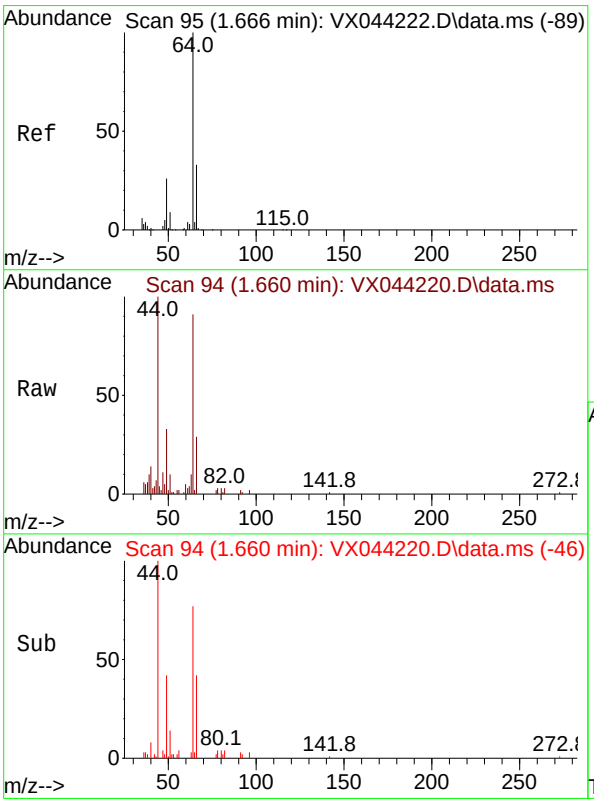

#5
Bromomethane
Concen: 5.399 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 94 Resp: 8237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 85.5 | 74.9 | 112.3 |

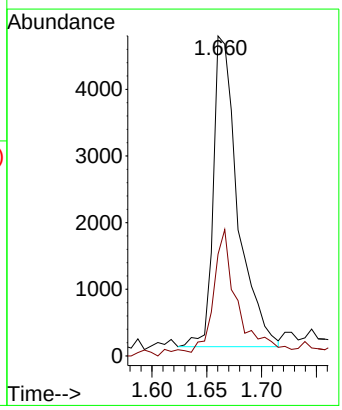


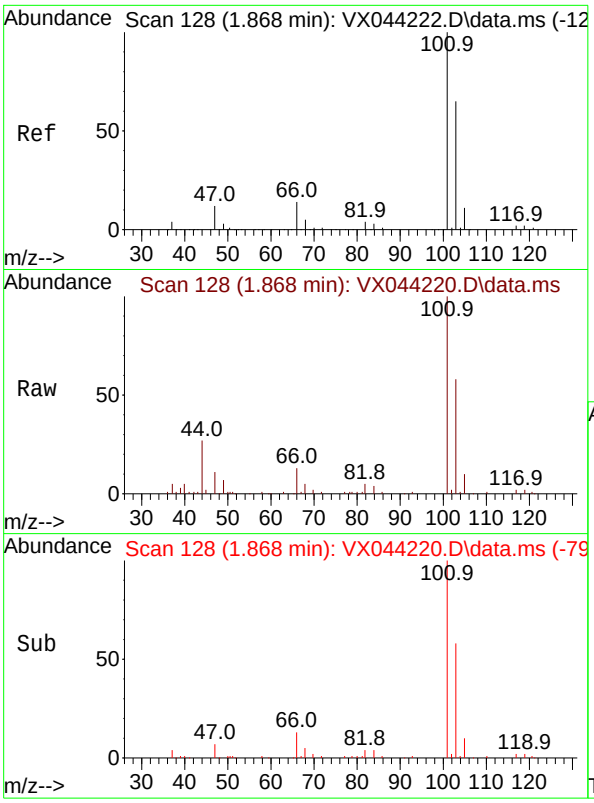




#6
Chloroethane
Concen: 5.416 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 64 Resp: 7253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.7 | 26.6 | 39.8 |



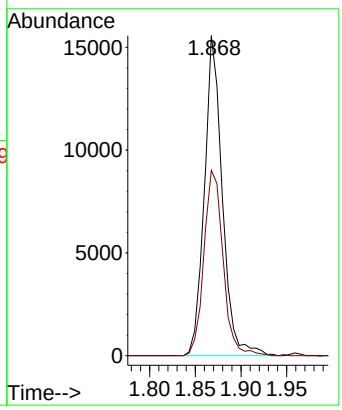


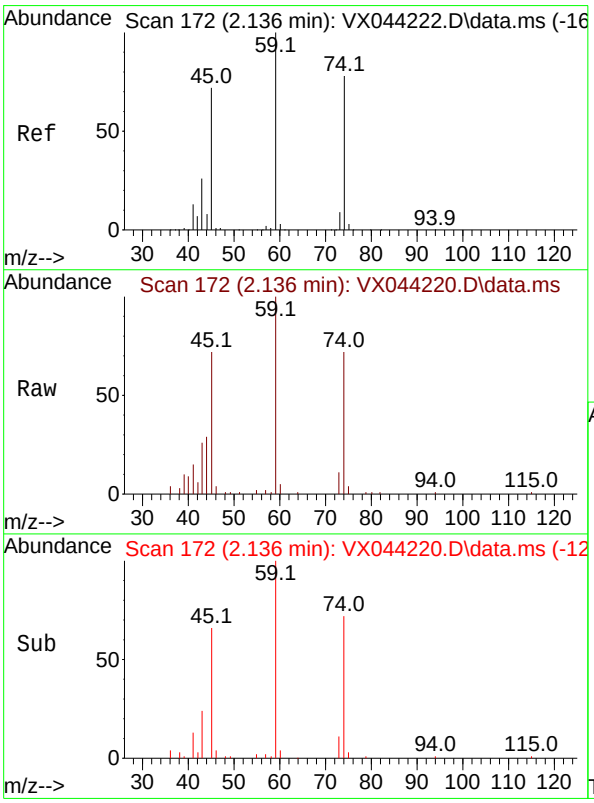

#7
Trichlorofluoromethane
Concen: 5.037 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 21207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 57.9 | 51.8 | 77.8 |

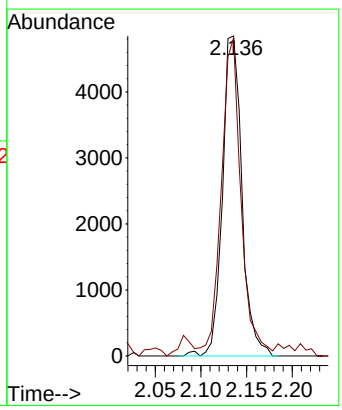


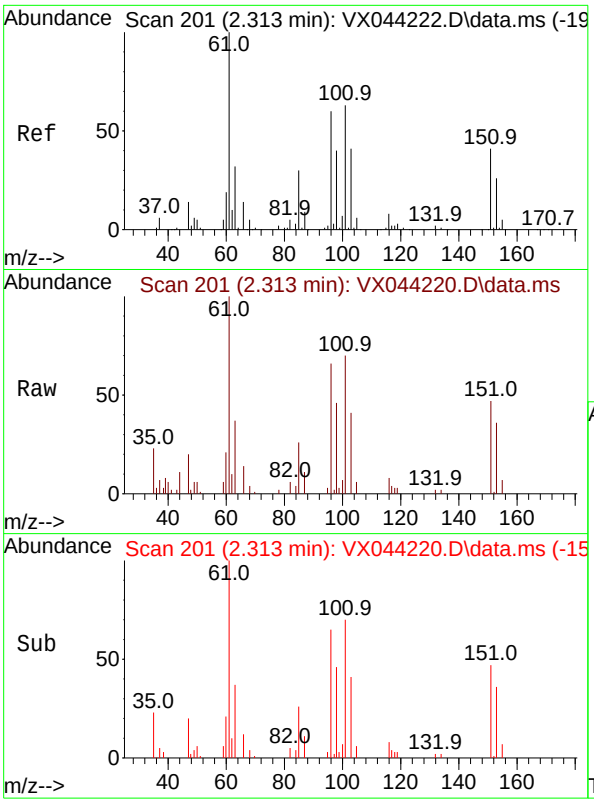




#8
Diethyl Ether
Concen: 5.009 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 74 Resp: 7199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.0 | 48.4 | 145.0 |



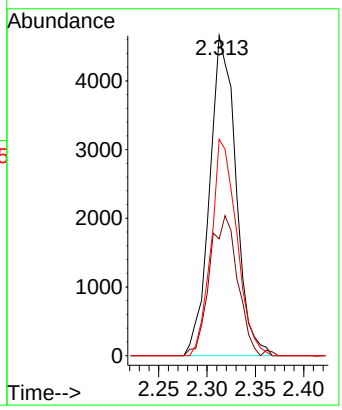


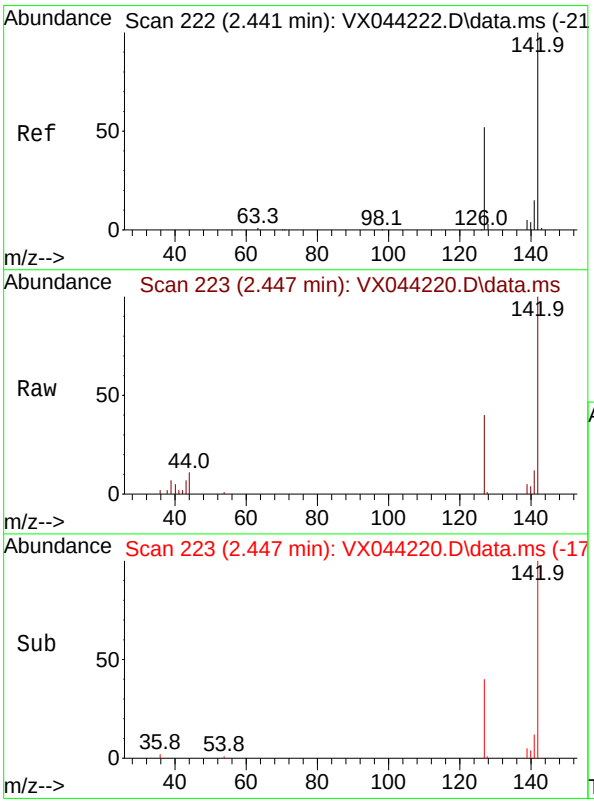

#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.145 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 8766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.7 | 38.5 | 57.7 |
| 151 | 66.2 | 55.8 | 83.6 |

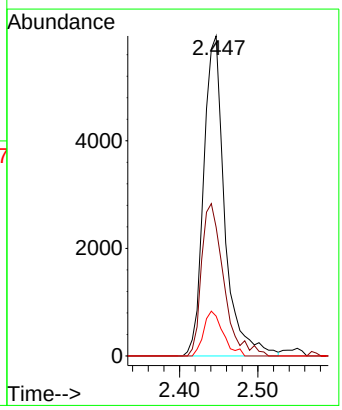


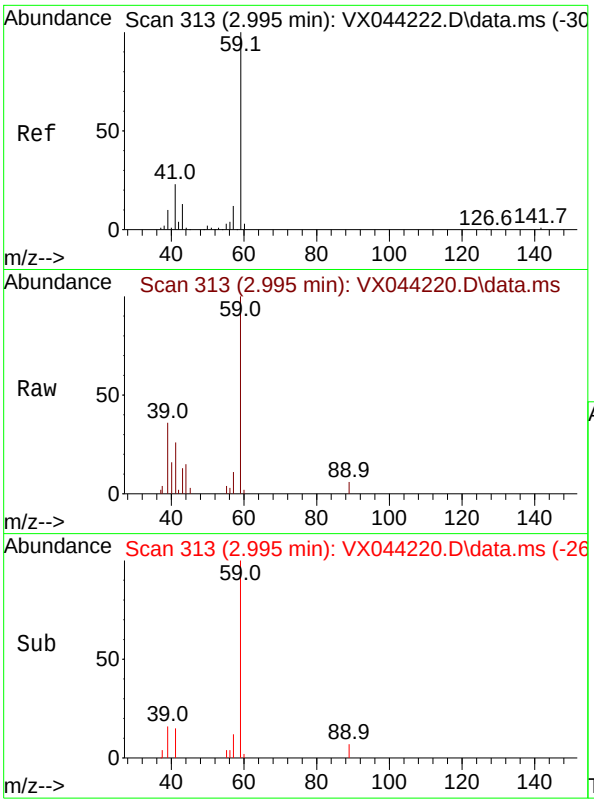




#10
Methyl Iodide
Concen: 4.928 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:142 Resp: 11066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.4 | 41.8 | 62.8 |
| 141 | 12.9 | 11.5 | 17.3 |



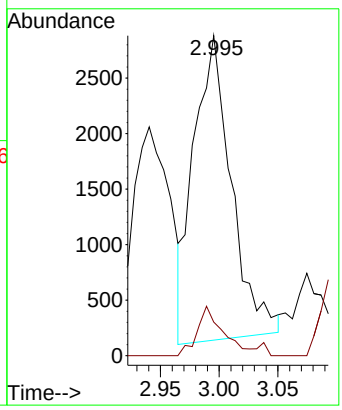


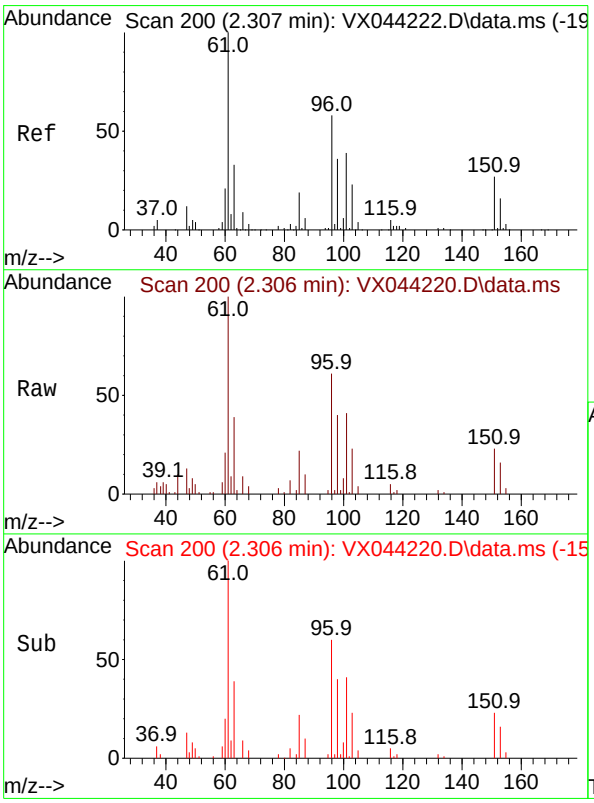

#11
Tert butyl alcohol
Concen: 17.693 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 59 Resp: 6094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.2 | 8.8 | 13.2 |

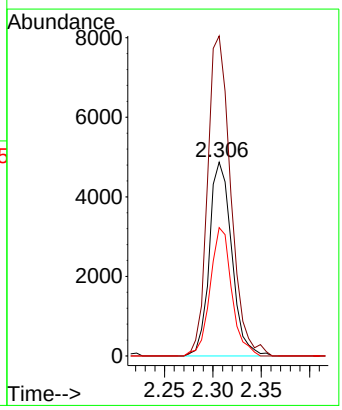


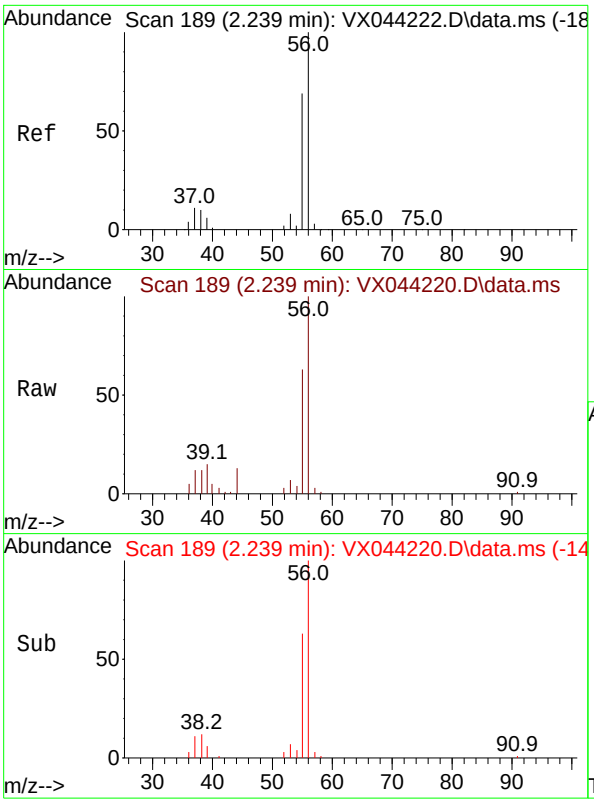




#12
1,1-Dichloroethene
Concen: 4.999 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 96 Resp: 7822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.2 | 138.0 | 207.0 |
| 98 | 66.2 | 50.0 | 75.0 |



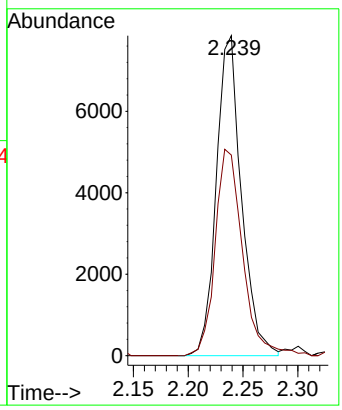


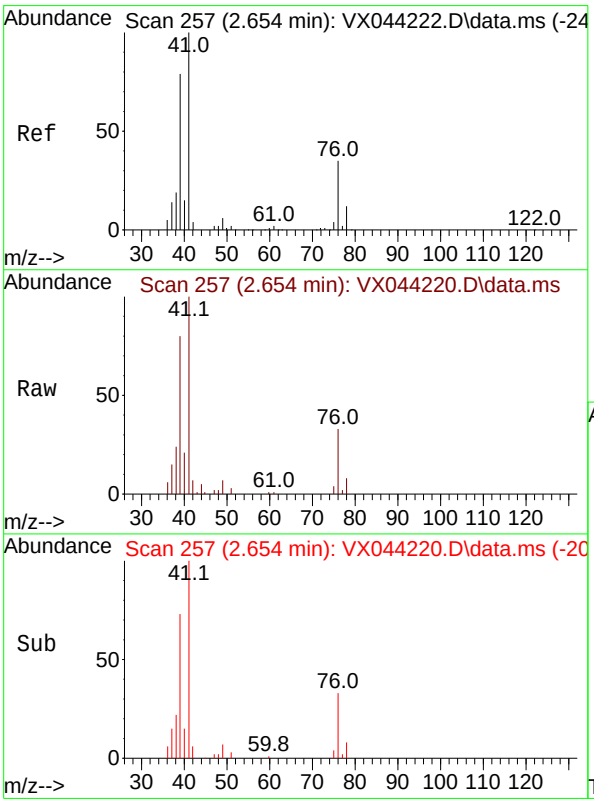

#13
Acrolein
Concen: 25.073 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 12521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.6 | 56.6 | 84.8 |

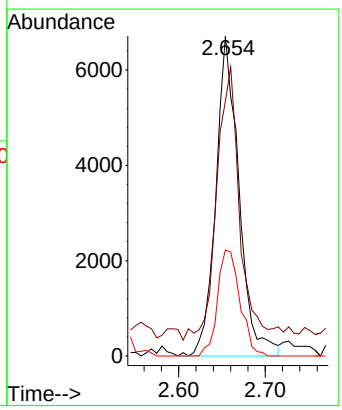


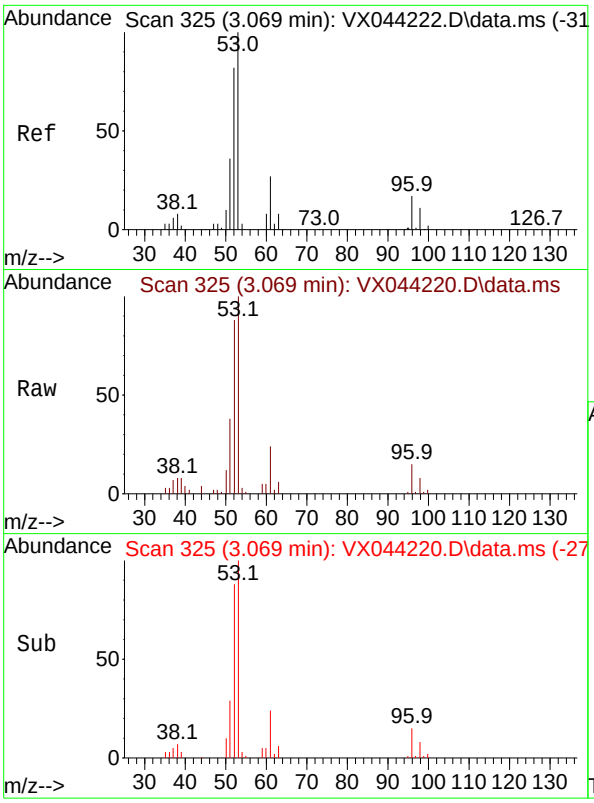




#14
Allyl chloride
Concen: 4.792 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 12490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 84.0 | 61.9 | 92.9 |
| 76 | 32.1 | 27.4 | 41.2 |



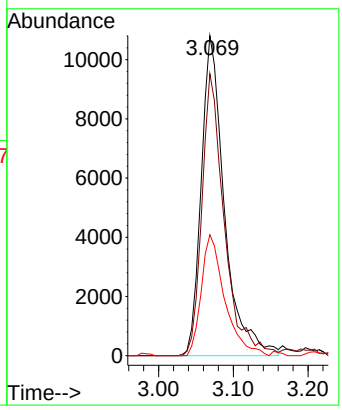


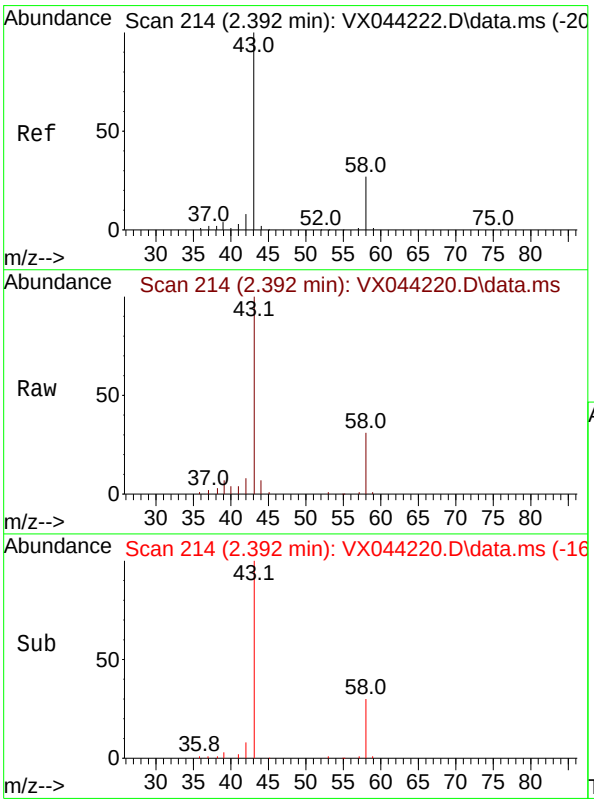

#15
Acrylonitrile
Concen: 24.357 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 53 Resp: 23276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.0 | 67.4 | 101.0 |
| 51 | 38.2 | 30.3 | 45.5 |

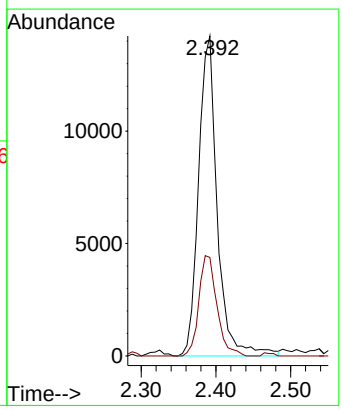


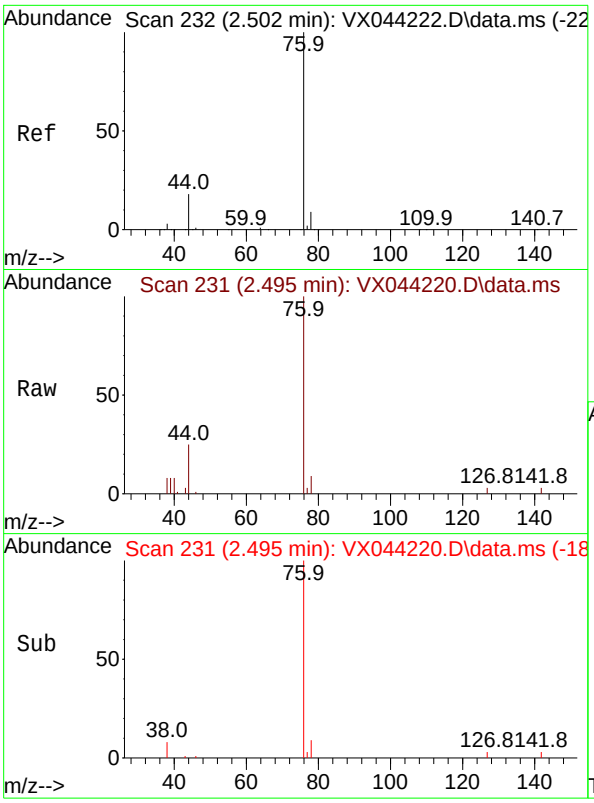




#16
Acetone
Concen: 24.696 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 24645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.8 | 21.6 | 32.4 |



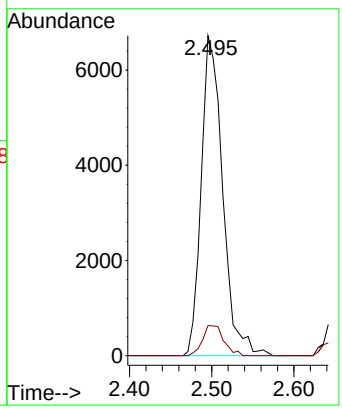


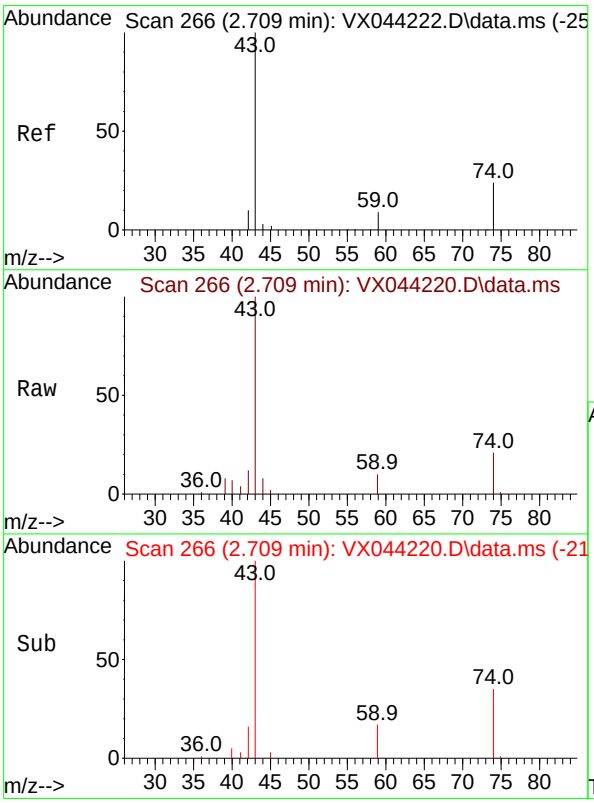

#17
Carbon Disulfide
Concen: 4.091 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 12169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |

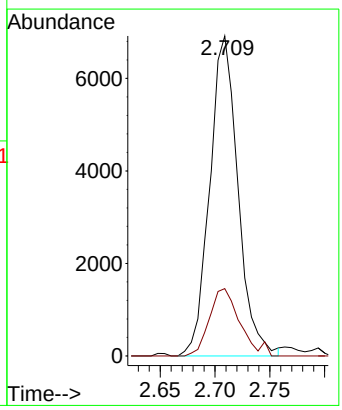


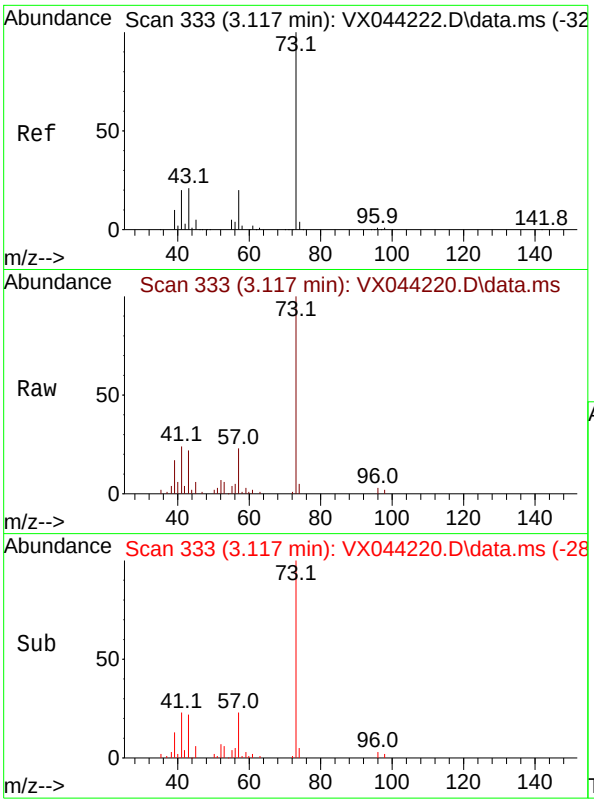




#18
Methyl Acetate
Concen: 4.824 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 12412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 17.7 | 26.5 |



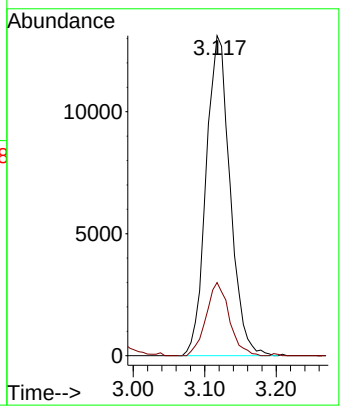


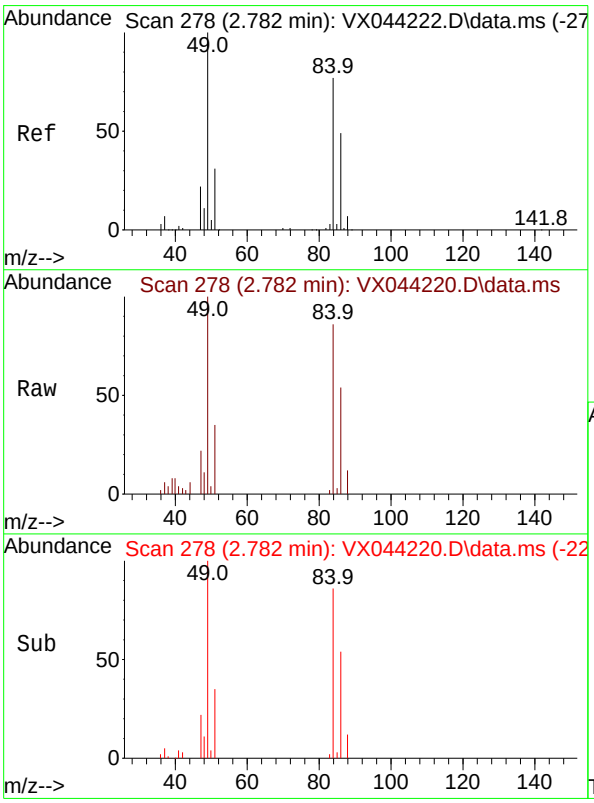

#19
Methyl tert-butyl Ether
Concen: 5.002 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 73 Resp: 30546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.9 | 16.2 | 24.4 |

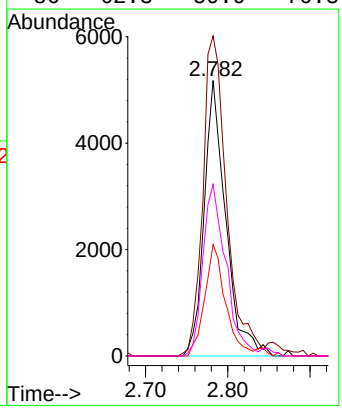


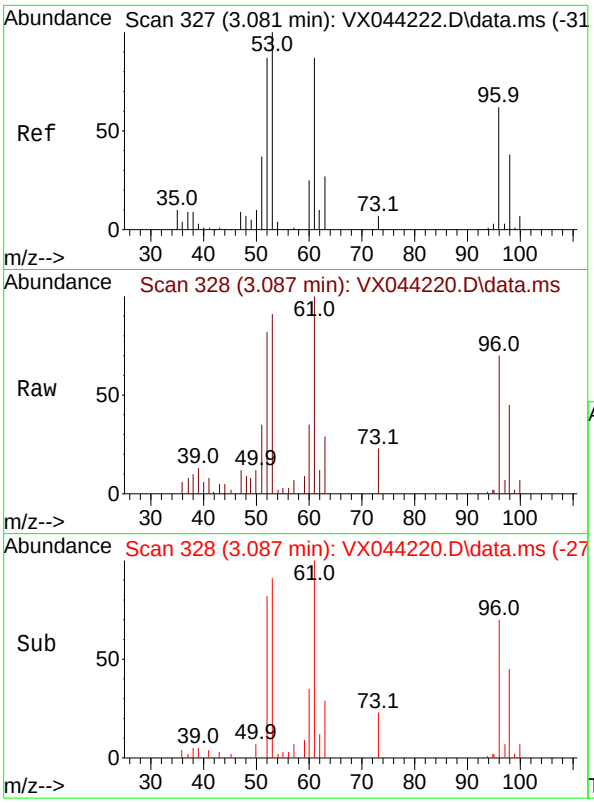




#20
Methylene Chloride
Concen: 5.050 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 84 Resp: 9466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.2 | 104.2 | 156.4 |
| 51 | 40.4 | 32.2 | 48.4 |
| 86 | 62.3 | 50.9 | 76.3 |



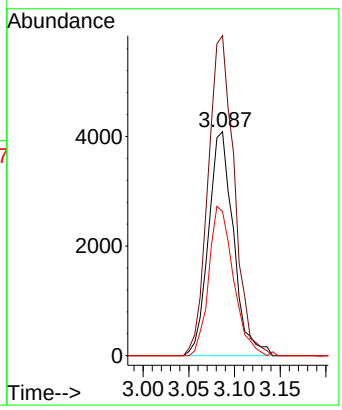


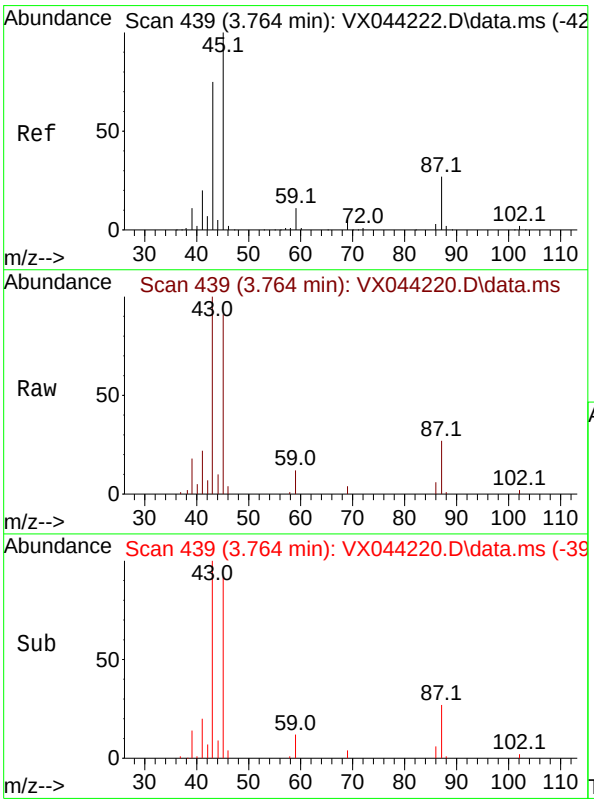

#21
trans-1,2-Dichloroethene
Concen: 4.671 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 7768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.9 | 112.0 | 168.0 |
| 98 | 64.4 | 48.8 | 73.2 |

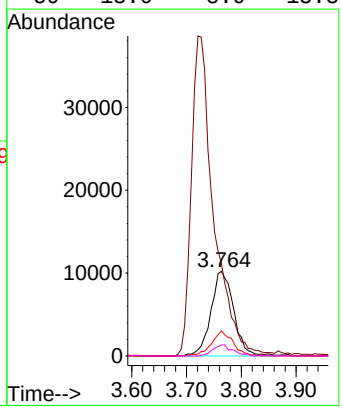


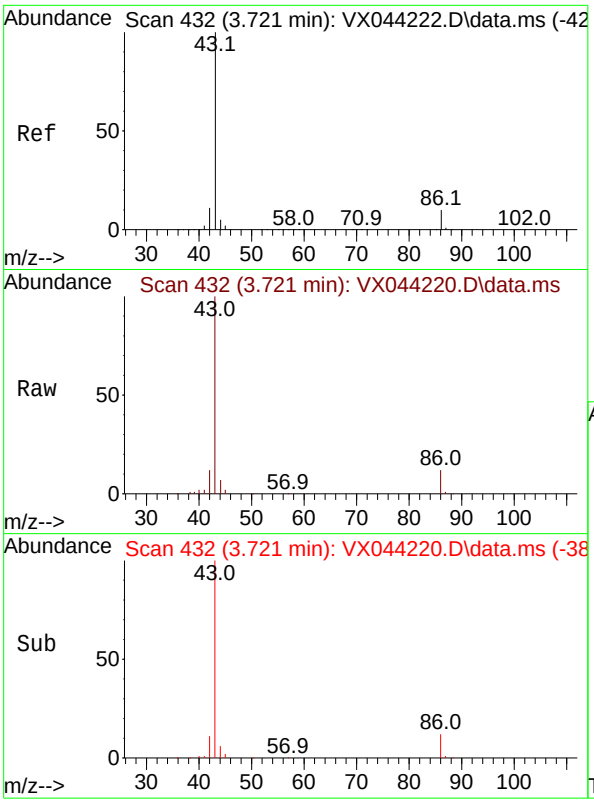




#22
Diisopropyl ether
Concen: 5.029 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 45 Resp: 29518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 107.7 | 60.2 | 90.2# |
| 87 | 29.5 | 21.2 | 31.8 |
| 59 | 13.0 | 8.9 | 13.3 |



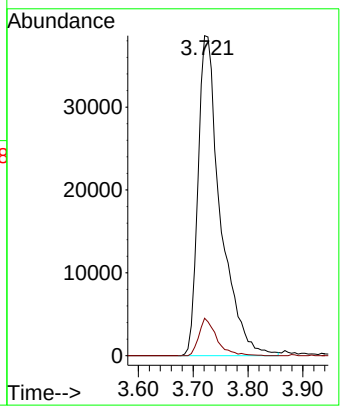


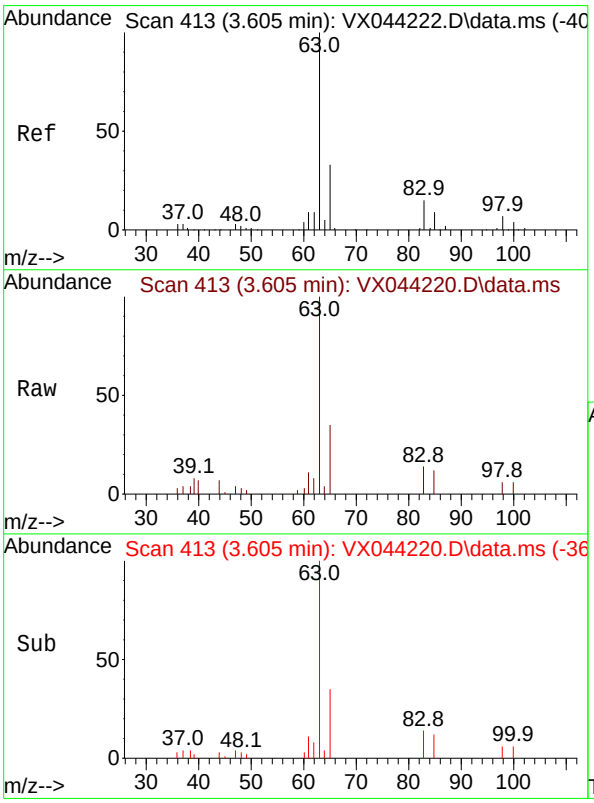

#23
Vinyl Acetate
Concen: 22.983 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 109670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.7 | 8.2 | 12.2 |

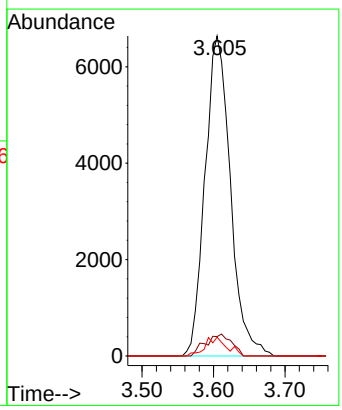


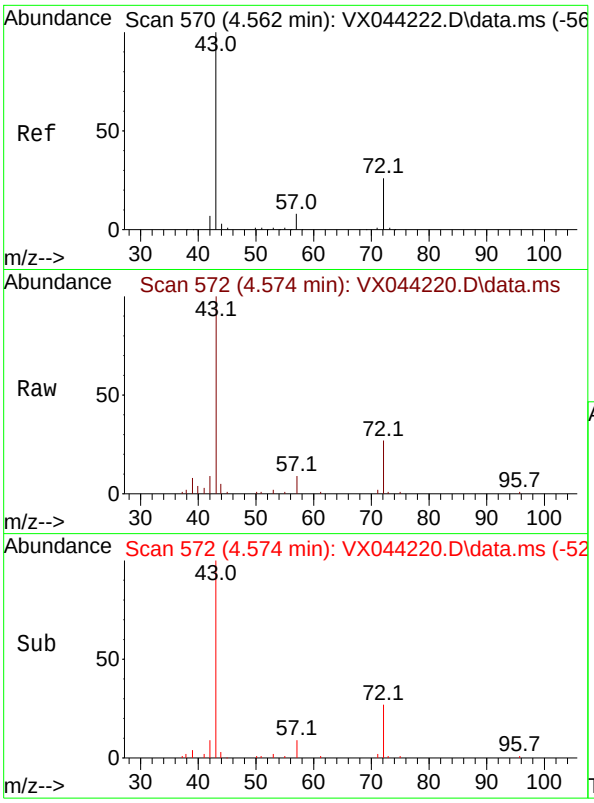




#24
1,1-Dichloroethane
Concen: 5.004 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 16370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.0 | 3.6 | 10.8 |
| 100 | 5.9 | 2.1 | 6.3 |



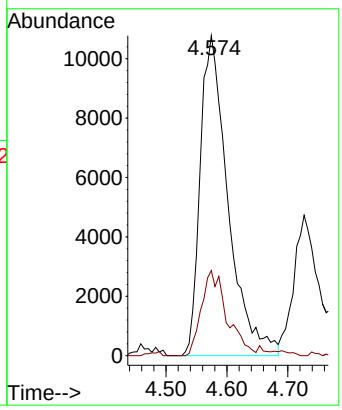


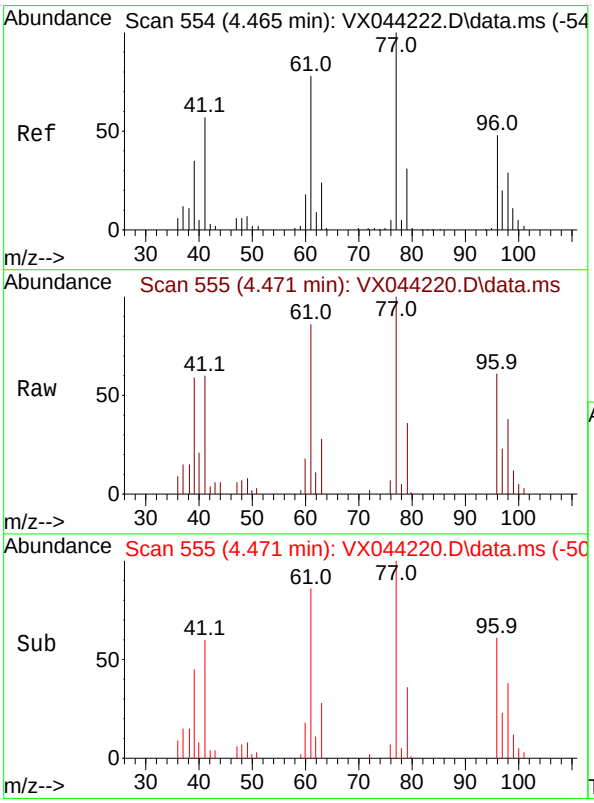

#25
2-Butanone
Concen: 24.138 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 34245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.6 | 20.2 | 30.4 |

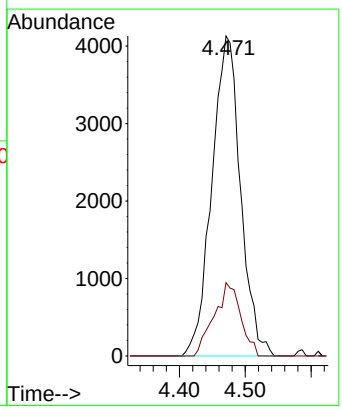


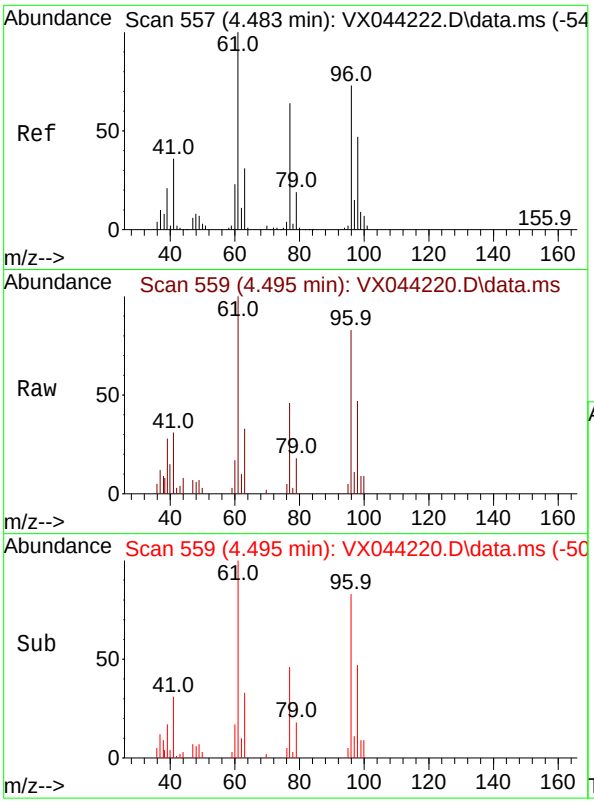




#26
2,2-Dichloropropane
Concen: 4.708 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 77 Resp: 12514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.2 | 10.7 | 32.1 |



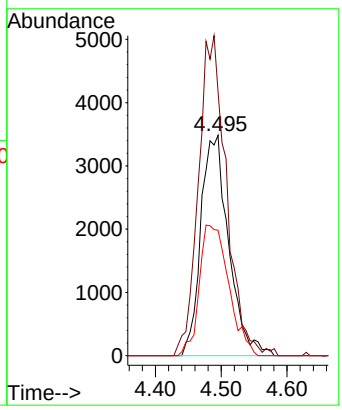


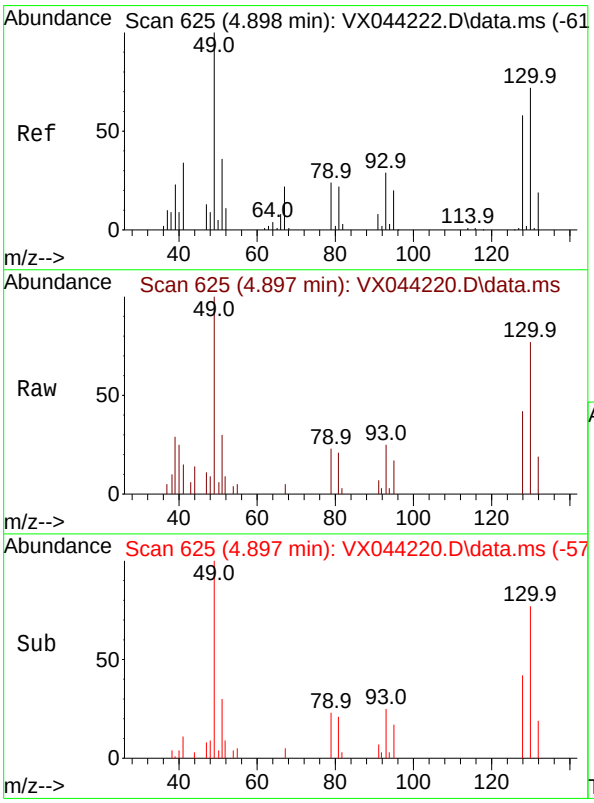

#27
cis-1,2-Dichloroethene
Concen: 4.873 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 10292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.0 | 0.0 | 299.0 |
| 98 | 62.4 | 0.0 | 129.0 |

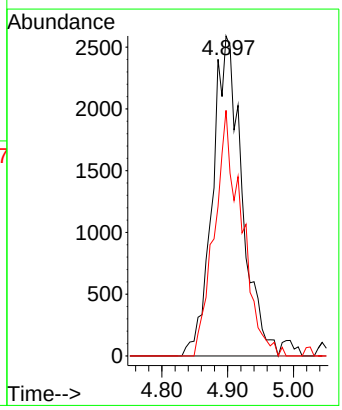


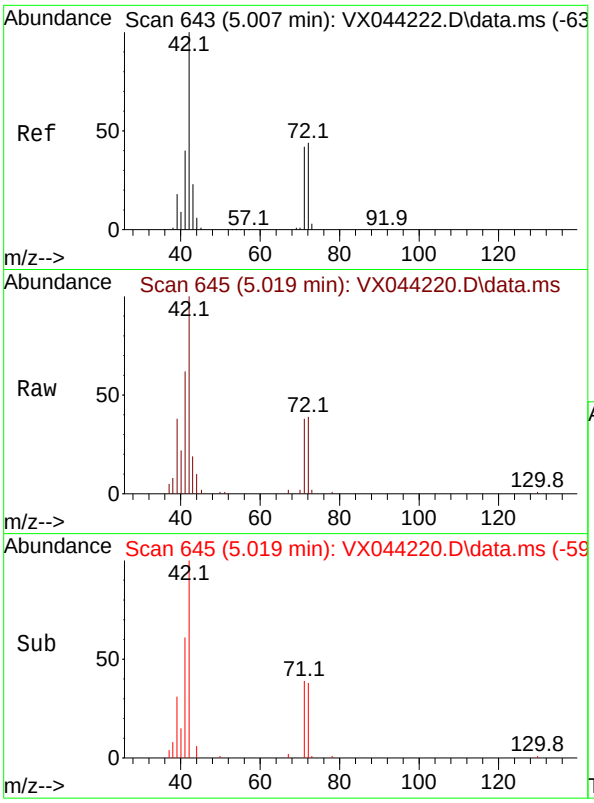




#28
Bromochloromethane
Concen: 5.017 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 49 Resp: 8049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.2 |
| 130 | 71.2 | 62.1 | 93.1 |



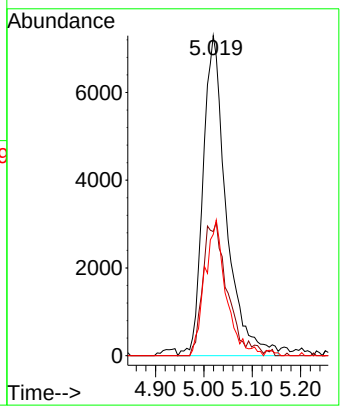


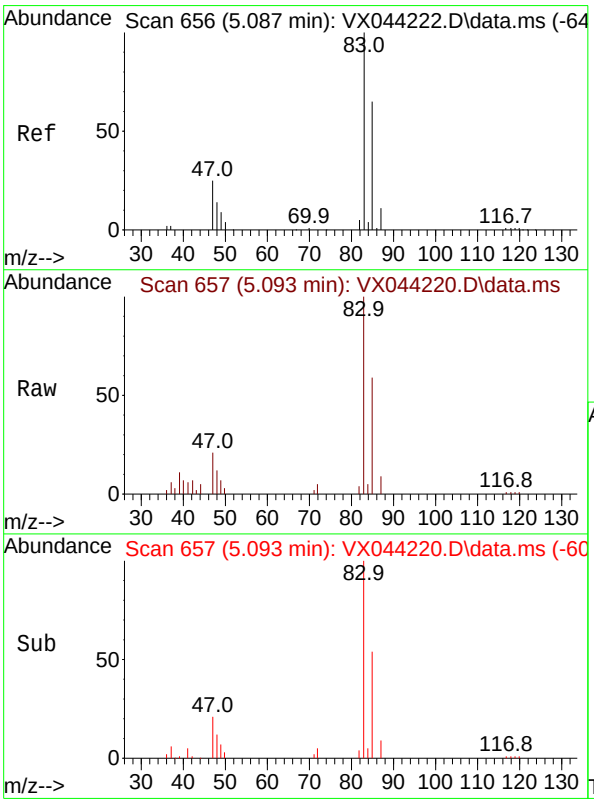

#29
Tetrahydrofuran
Concen: 26.693 ug/l
RT: 5.019 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 42 Resp: 24307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 37.0 | 55.6 |
| 71 | 38.9 | 33.6 | 50.4 |

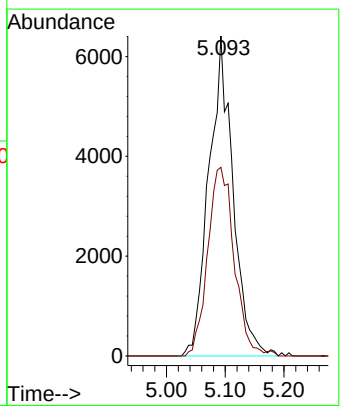


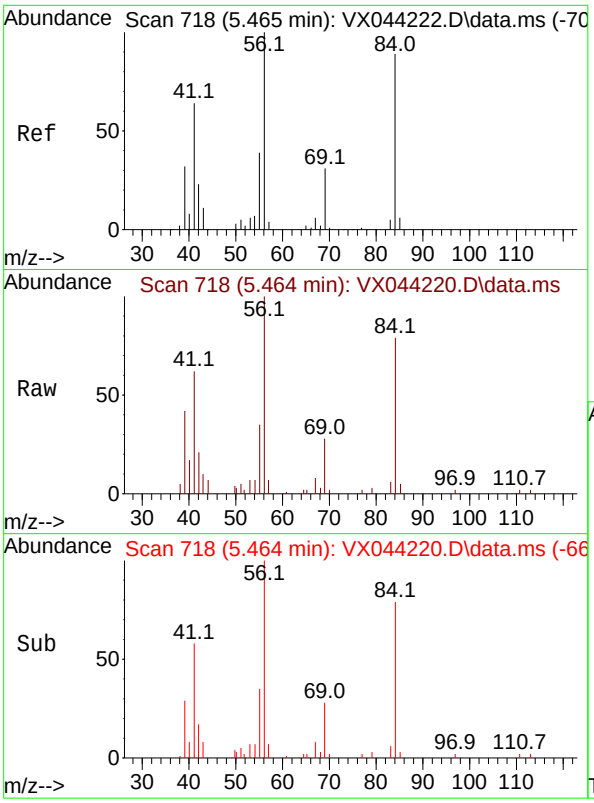




#30
Chloroform
Concen: 4.984 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 18319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.9 | 51.6 | 77.4 |



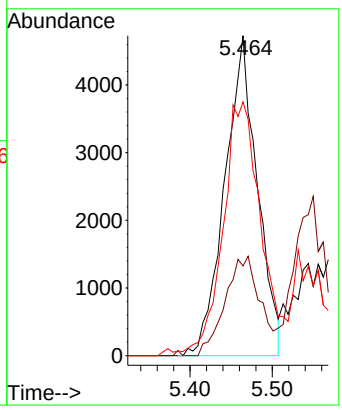


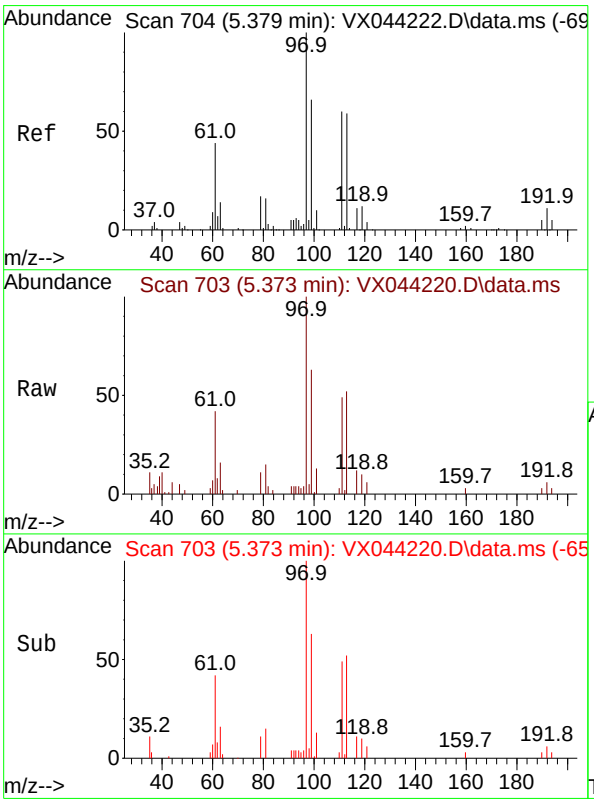

#31
Cyclohexane
Concen: 4.919 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 12995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 26.4 | 24.7 | 37.1 |
| 84 | 77.9 | 71.0 | 106.6 |

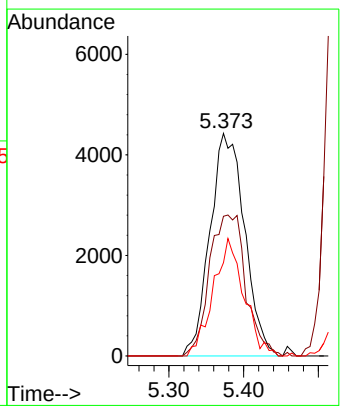


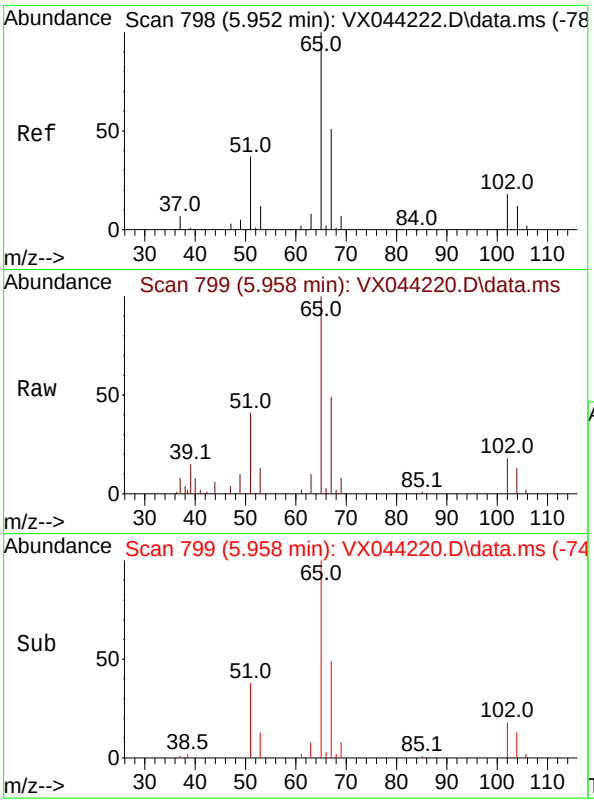




#32
1,1,1-Trichloroethane
Concen: 4.664 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 97 Resp: 14231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.8 | 50.8 | 76.2 |
| 61 | 46.9 | 35.2 | 52.8 |



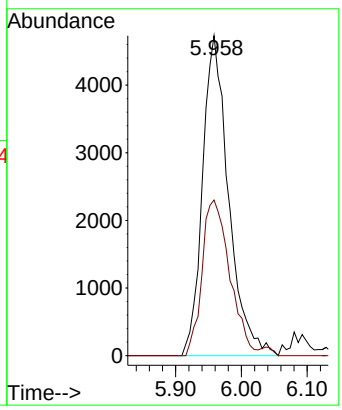


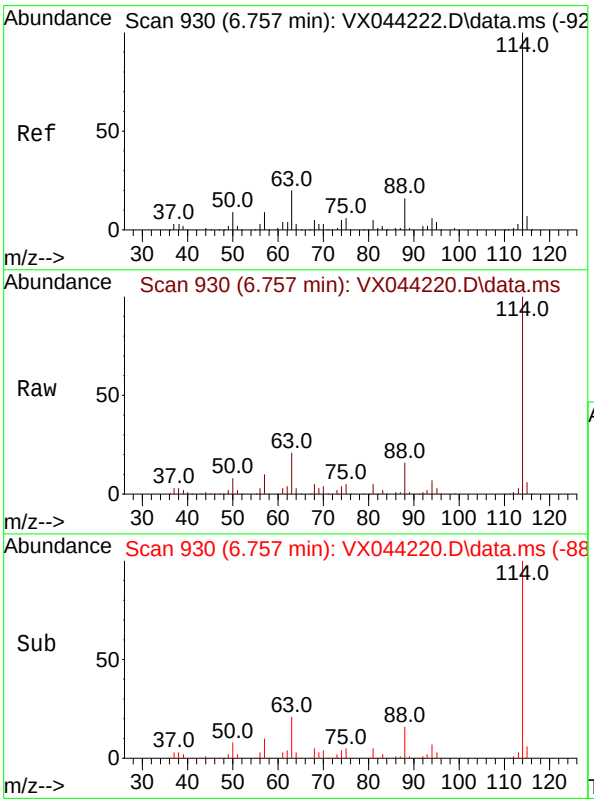

#33
1,2-Dichloroethane-d4
Concen: 5.328 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 65 Resp: 13043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 101.6 |

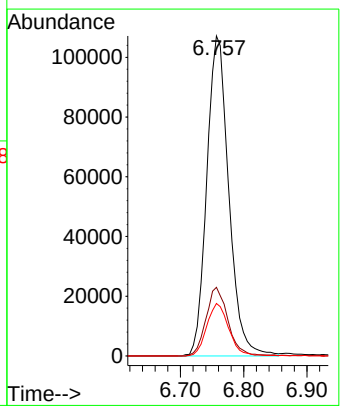


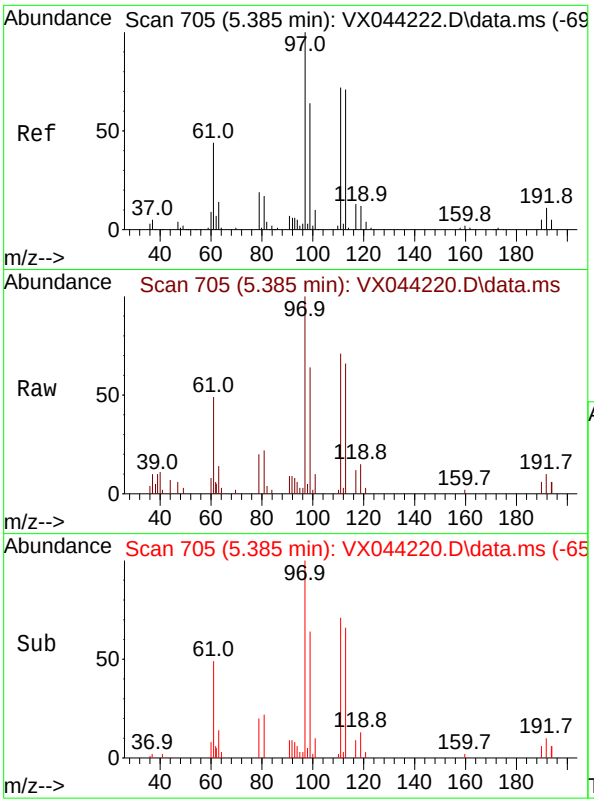




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:114 Resp: 258881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 40.6 |
| 88 | 16.4 | 0.0 | 31.8 |



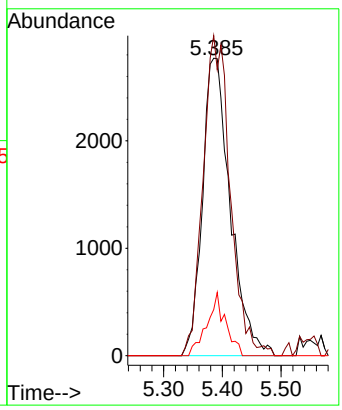


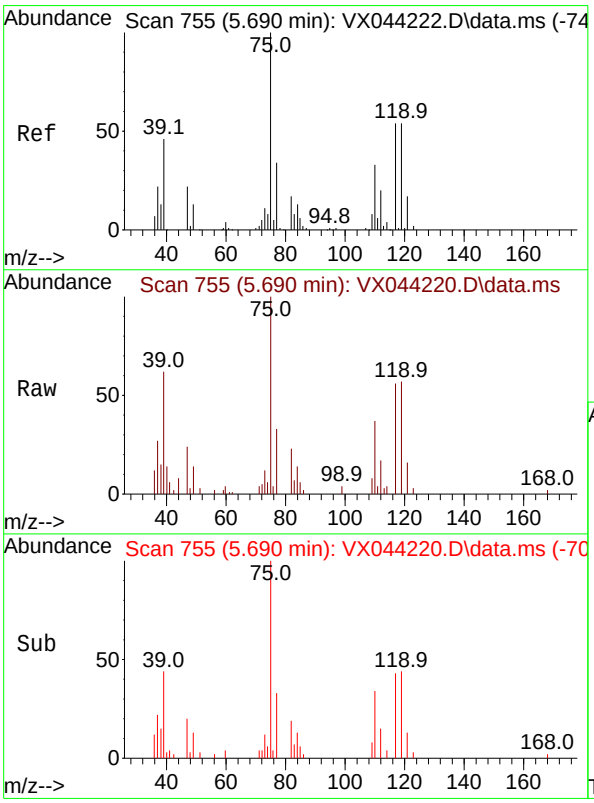

#35
Dibromofluoromethane
Concen: 5.100 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:113 Resp: 9145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.7 | 80.4 | 120.6 |
| 192 | 14.2 | 13.3 | 19.9 |

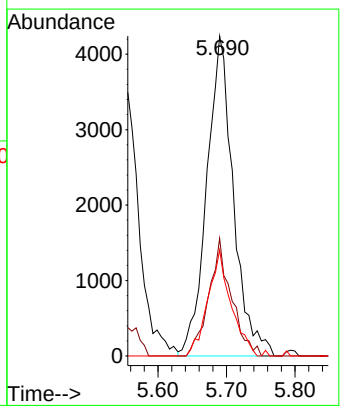


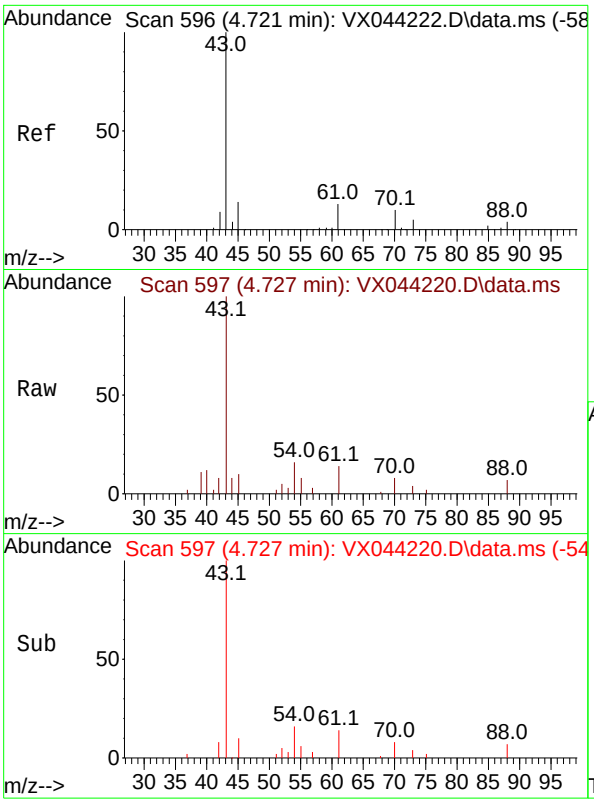




#36
1,1-Dichloropropene
Concen: 4.942 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 11455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 31.1 | 17.3 | 51.7 |
| 77 | 28.7 | 25.4 | 38.0 |



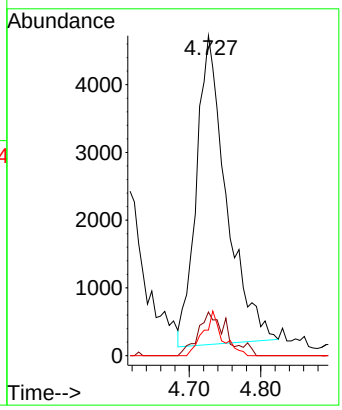


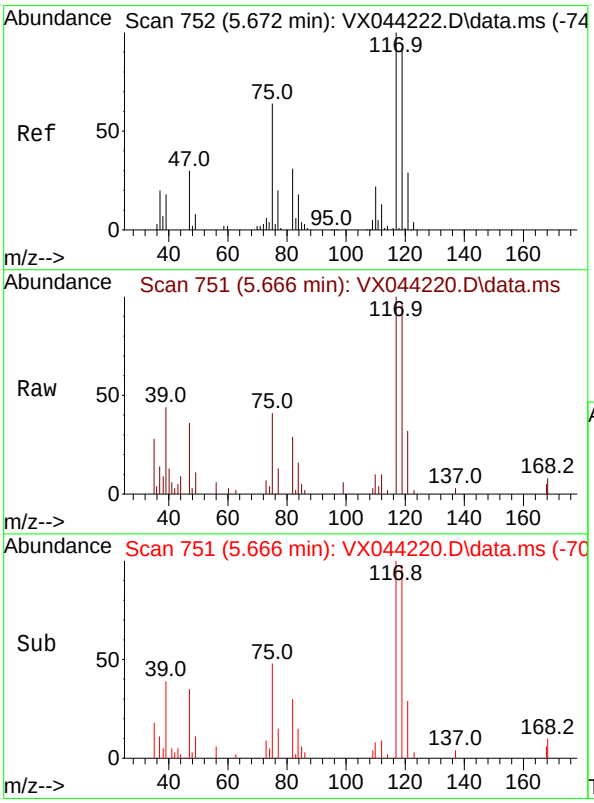

#37
Ethyl Acetate
Concen: 4.630 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 13265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 9.8 | 14.8 |
| 70 | 9.1 | 7.7 | 11.5 |

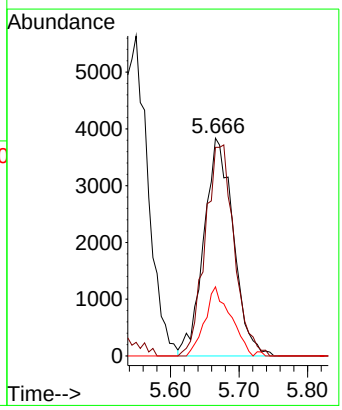


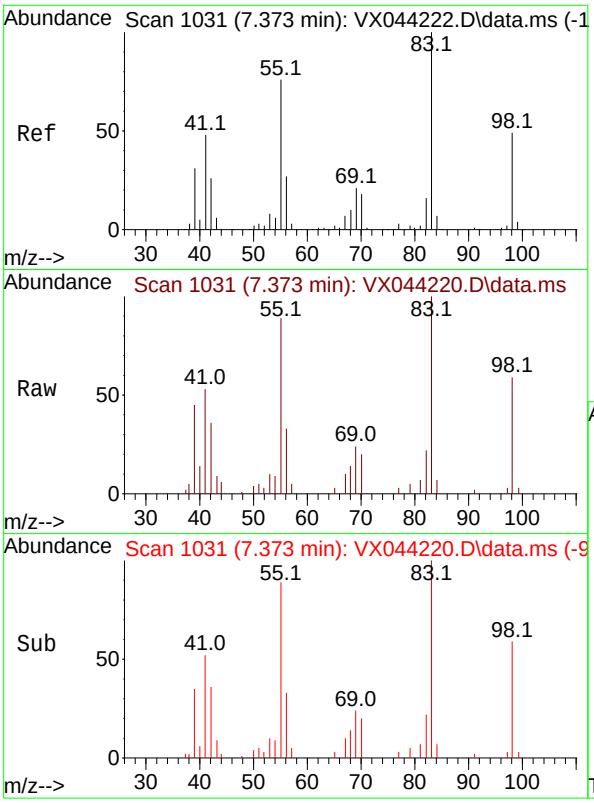




#38
Carbon Tetrachloride
Concen: 4.599 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 11476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.8 | 74.2 | 111.4 |
| 121 | 31.7 | 23.0 | 34.6 |



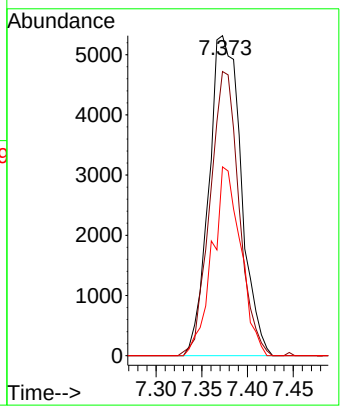


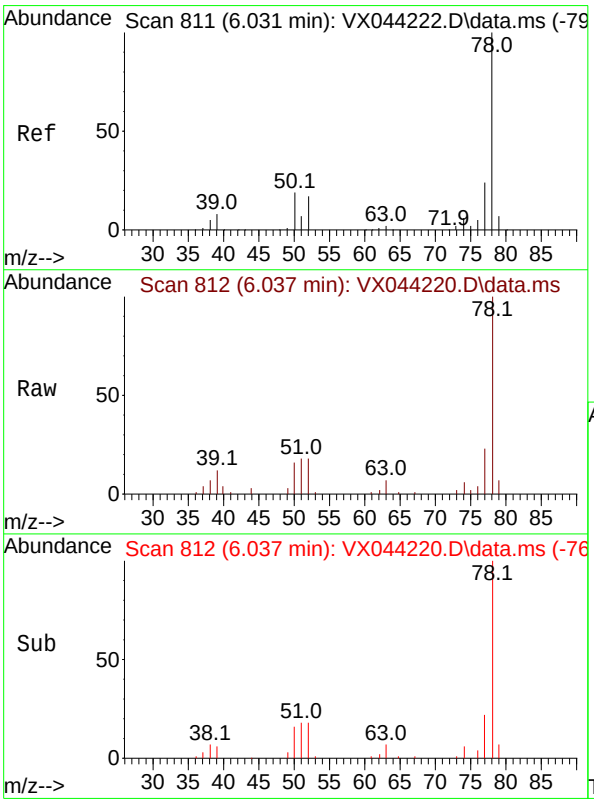

#39
Methylcyclohexane
Concen: 4.699 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 13019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 88.8 | 60.7 | 91.1 |
| 98 | 59.0 | 38.9 | 58.3# |

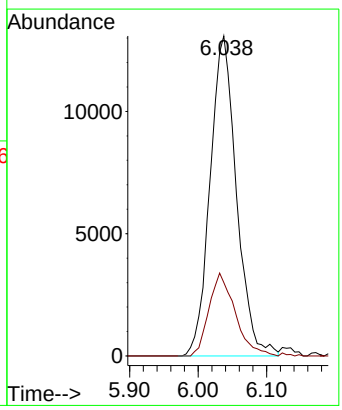


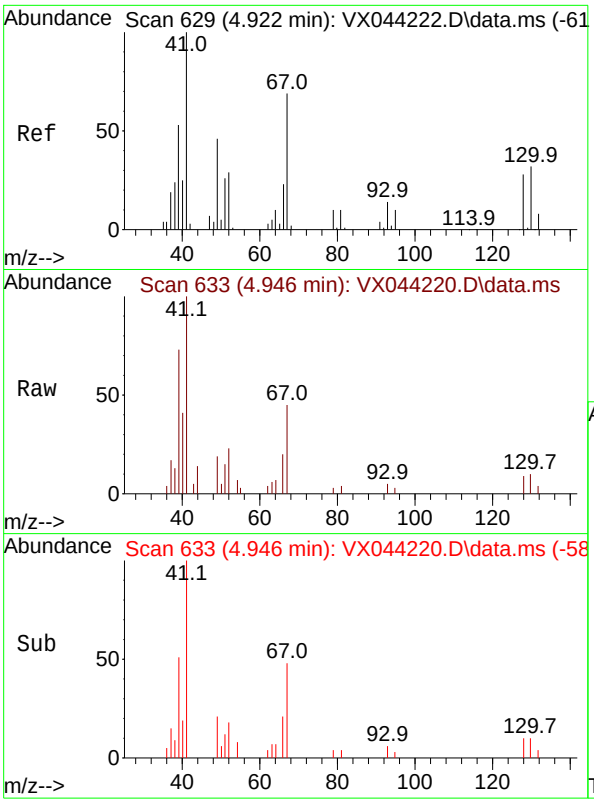




#40
Benzene
Concen: 4.976 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 78 Resp: 35018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.9 | 19.3 | 28.9 |



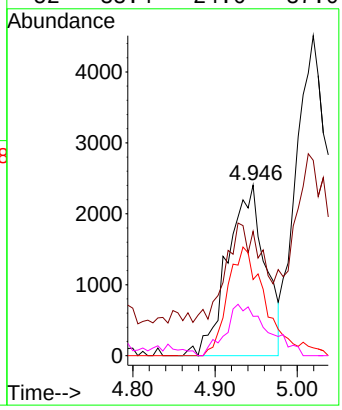


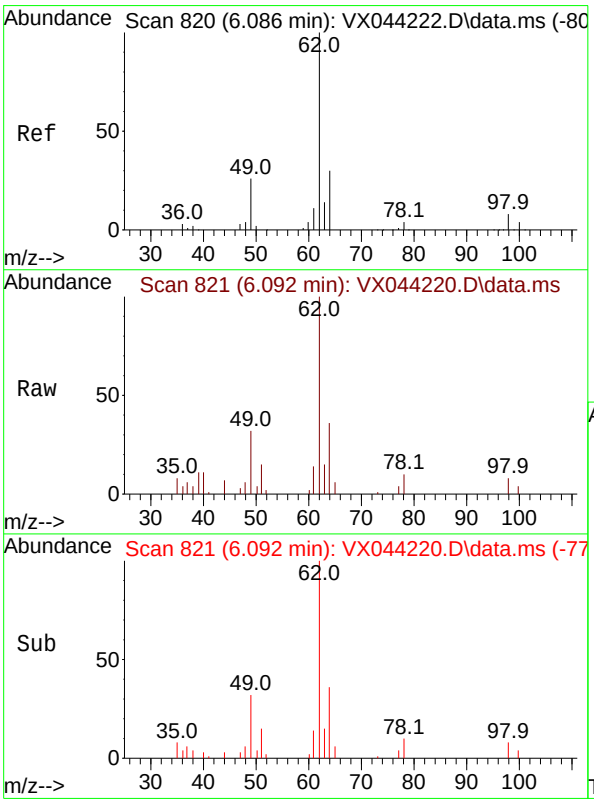

#41
Methacrylonitrile
Concen: 4.986 ug/l
RT: 4.946 min Scan# 6
Delta R.T. 0.024 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 41 Resp: 7585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.4 | 44.2 | 66.4 |
| 67 | 63.0 | 57.2 | 85.8 |
| 52 | 33.4 | 24.6 | 37.0 |

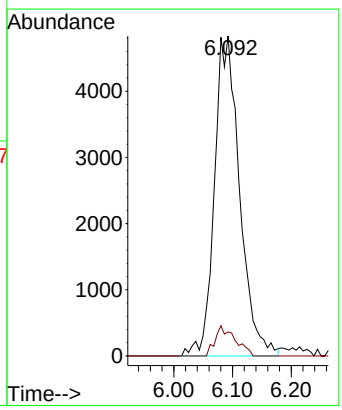


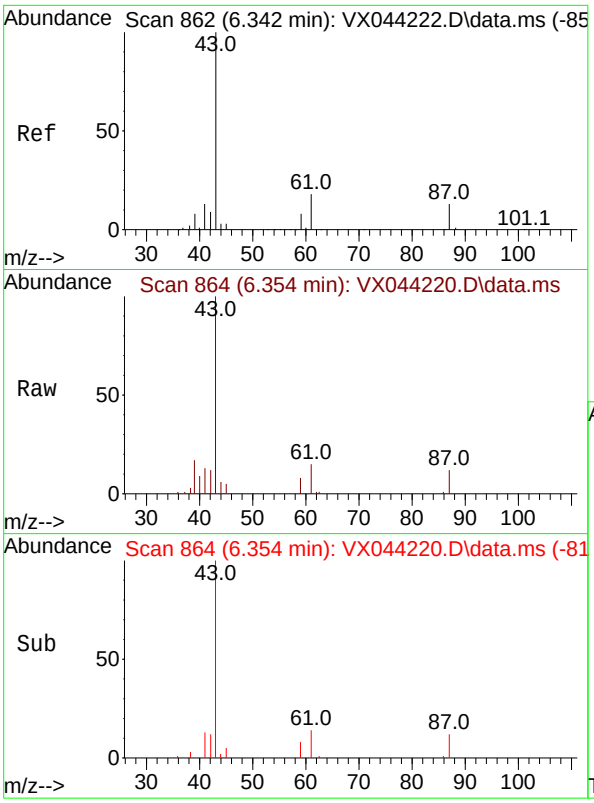




#42
1,2-Dichloroethane
Concen: 4.974 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 62 Resp: 14419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.5 | 0.0 | 15.8 |



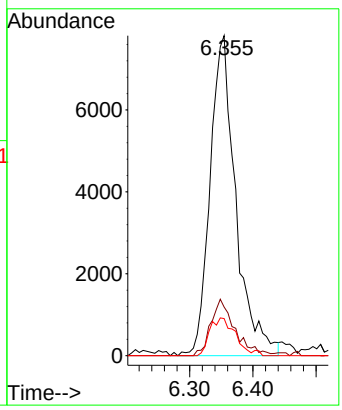


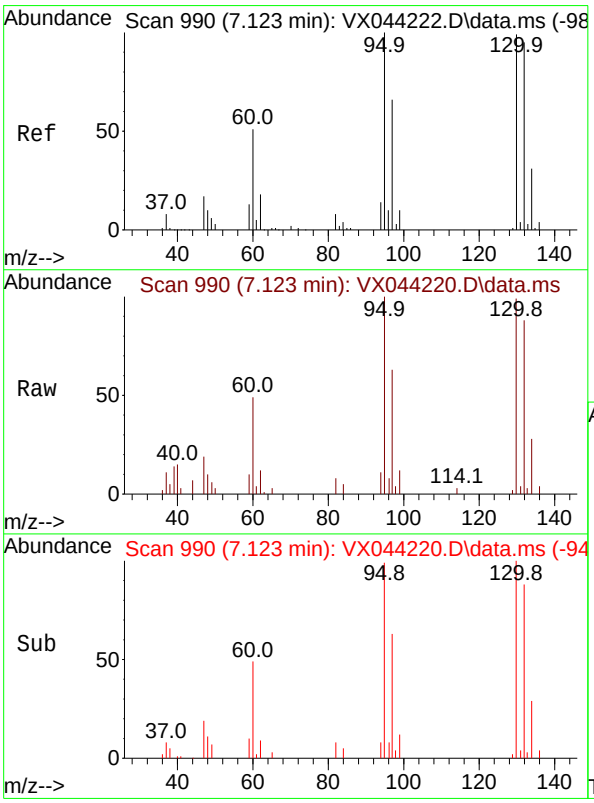

#43
Isopropyl Acetate
Concen: 4.935 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 22098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.5 | 14.2 | 21.2 |
| 87 | 11.9 | 10.2 | 15.2 |

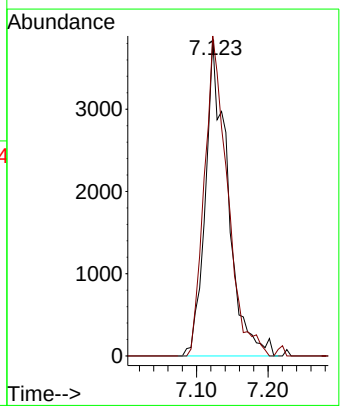


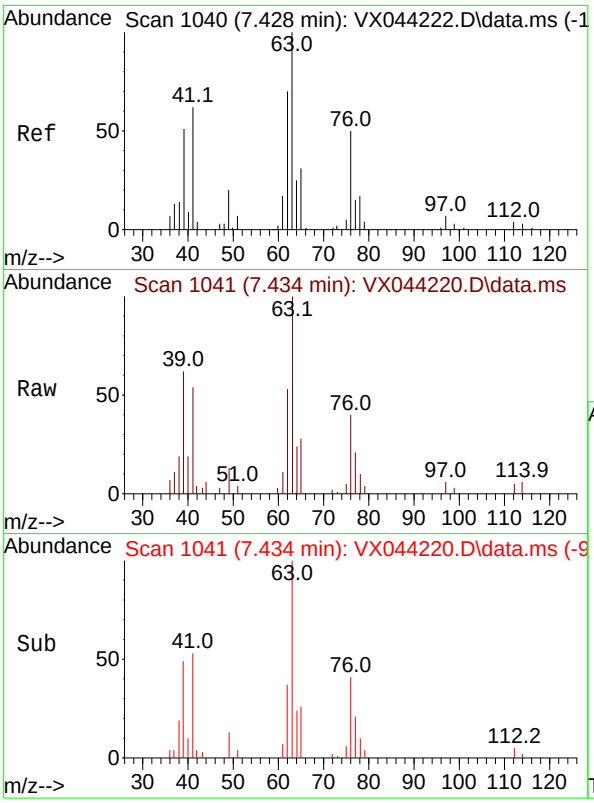




#44
Trichloroethene
Concen: 4.790 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:130 Resp: 8405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.9 | 0.0 | 201.4 |



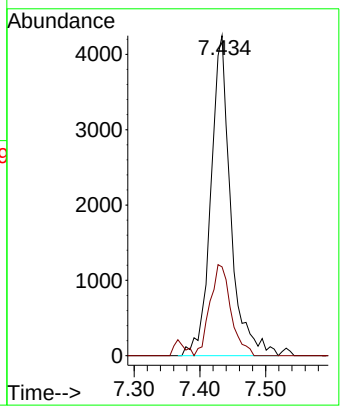


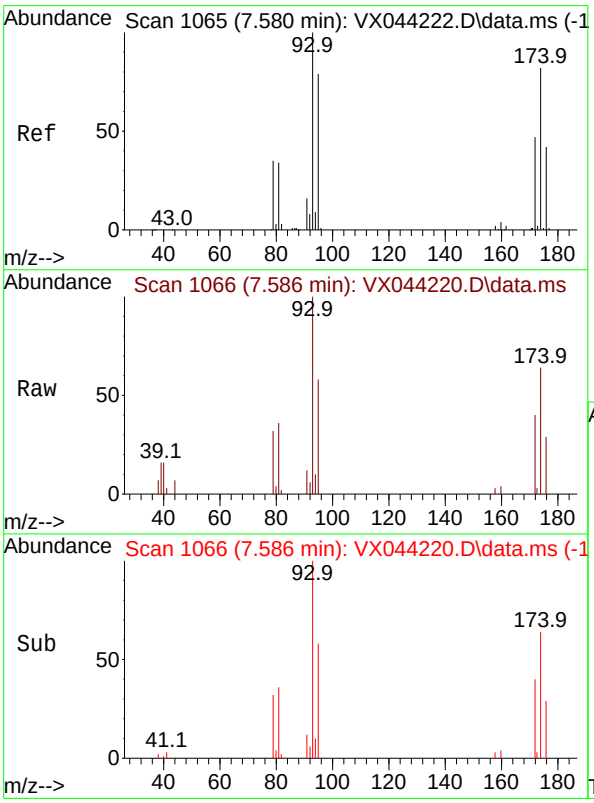

#45
1,2-Dichloropropane
Concen: 4.968 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 63 Resp: 8932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.8 | 24.6 | 37.0 |

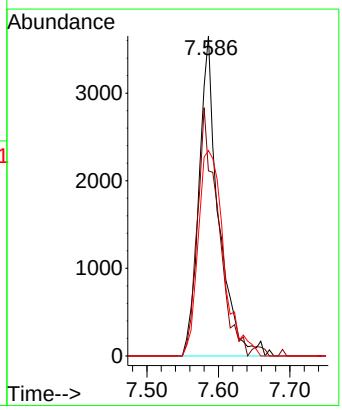


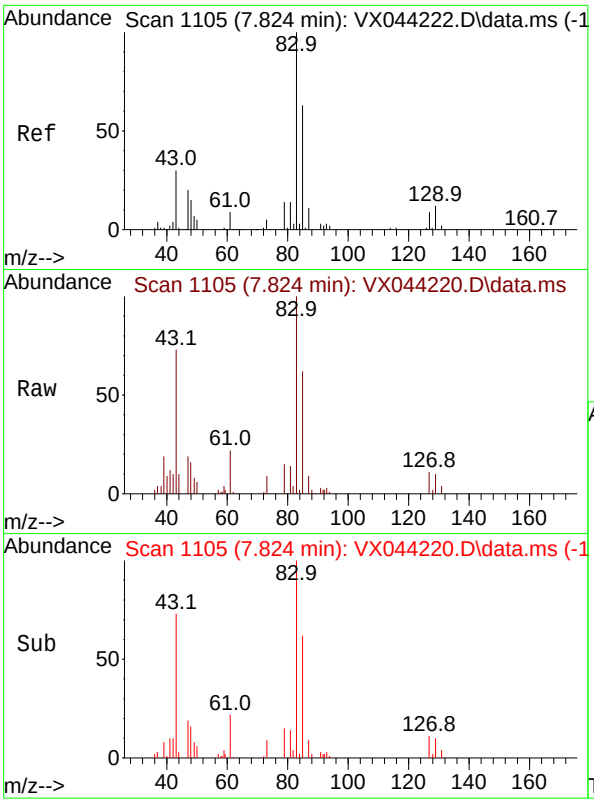




#46
Dibromomethane
Concen: 4.958 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 93 Resp: 6915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.4 | 98.2 |
| 174 | 83.6 | 67.9 | 101.9 |



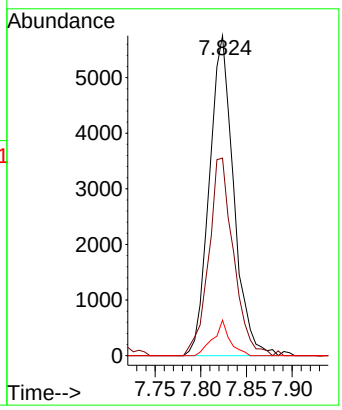


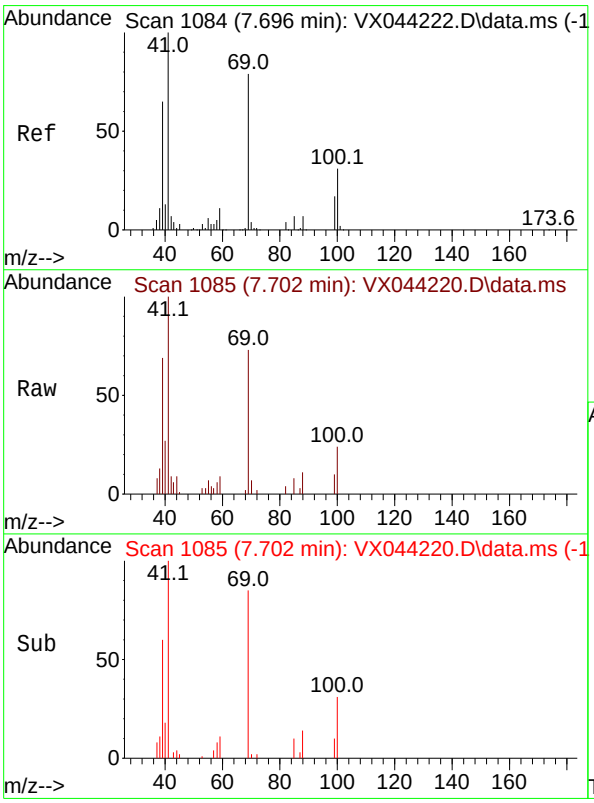

#47
Bromodichloromethane
Concen: 4.420 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 10646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.7 | 50.6 | 75.8 |
| 127 | 11.1 | 7.3 | 10.9# |

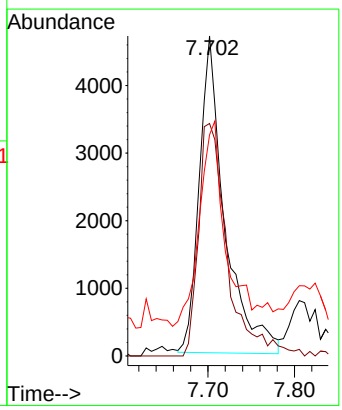


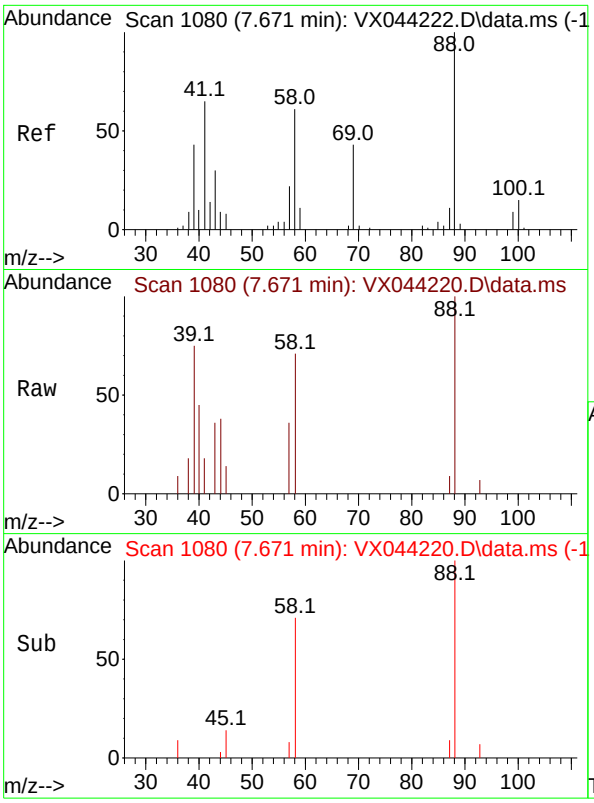




#48
Methyl methacrylate
Concen: 4.410 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 9586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.8 | 62.4 | 93.6 |
| 39 | 66.7 | 53.3 | 79.9 |



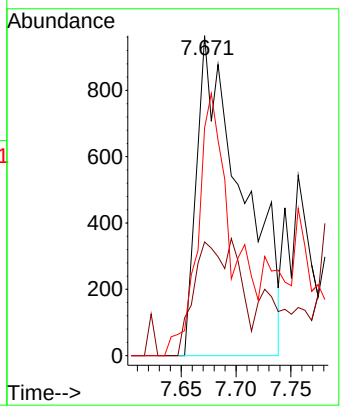


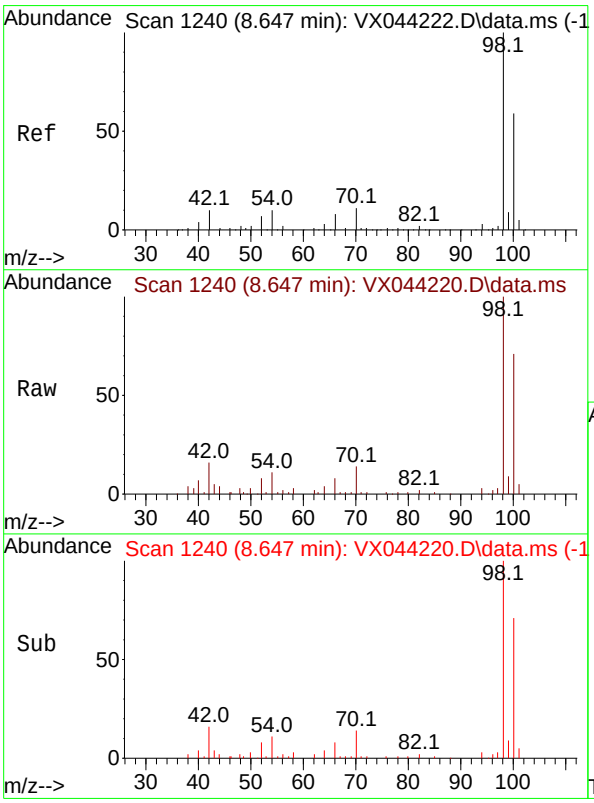

#49
1,4-Dioxane
Concen: 74.917 ug/l
RT: 7.671 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 88 Resp: 2783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 23.3 | 27.1 | 40.7# |
| 58 | 61.6 | 41.0 | 61.4# |

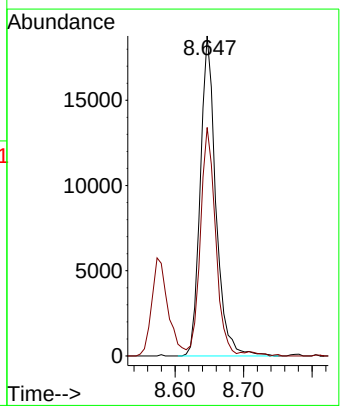


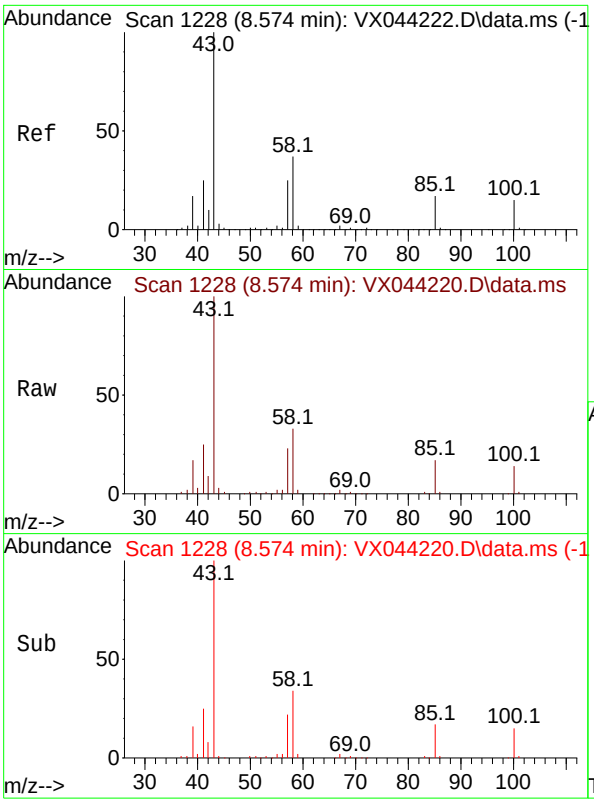




#50
Toluene-d8
Concen: 4.915 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 98 Resp: 29732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.4 | 51.5 | 77.3 |



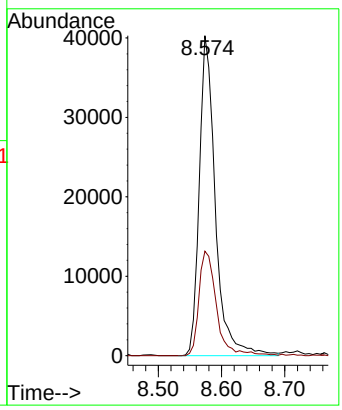


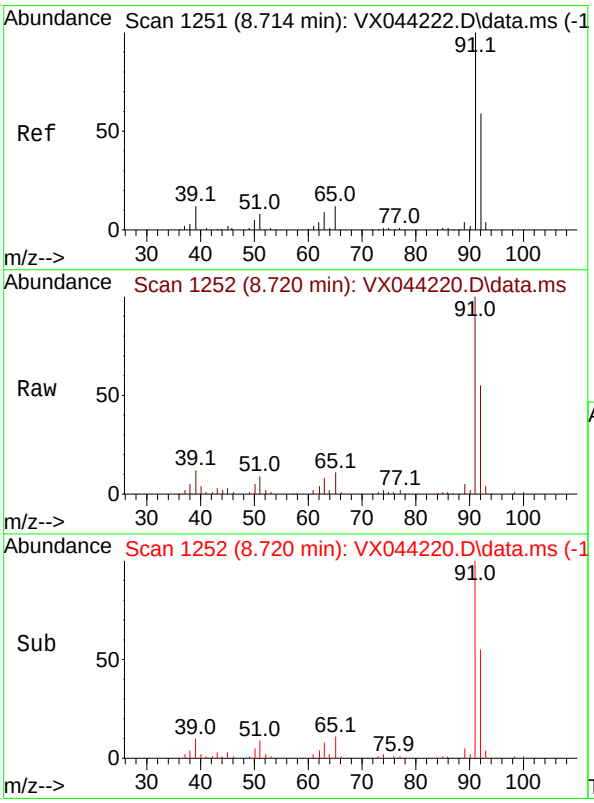

#51
4-Methyl-2-Pentanone
Concen: 24.759 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 71285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.7 | 29.4 | 44.0 |

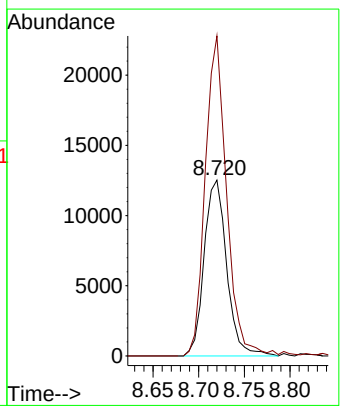


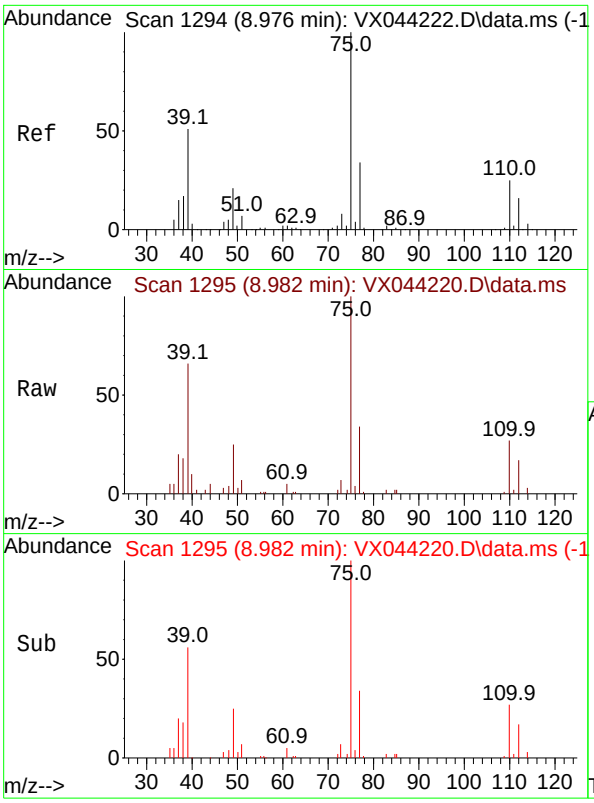




#52
Toluene
Concen: 4.862 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 92 Resp: 21486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.0 | 137.0 | 205.6 |



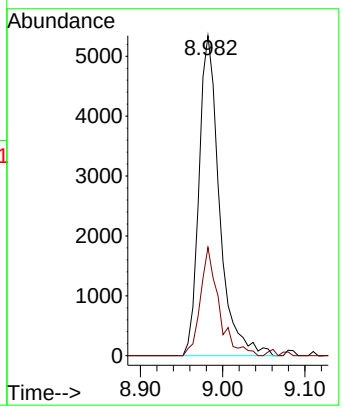


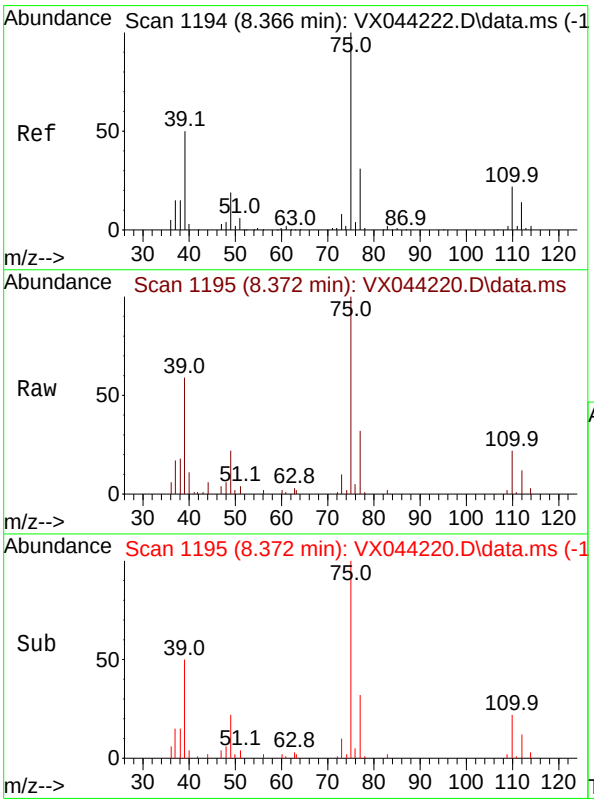

#53
t-1,3-Dichloropropene
Concen: 4.665 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 9232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.8 | 27.2 | 40.8 |

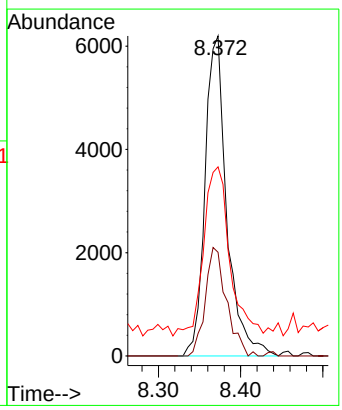


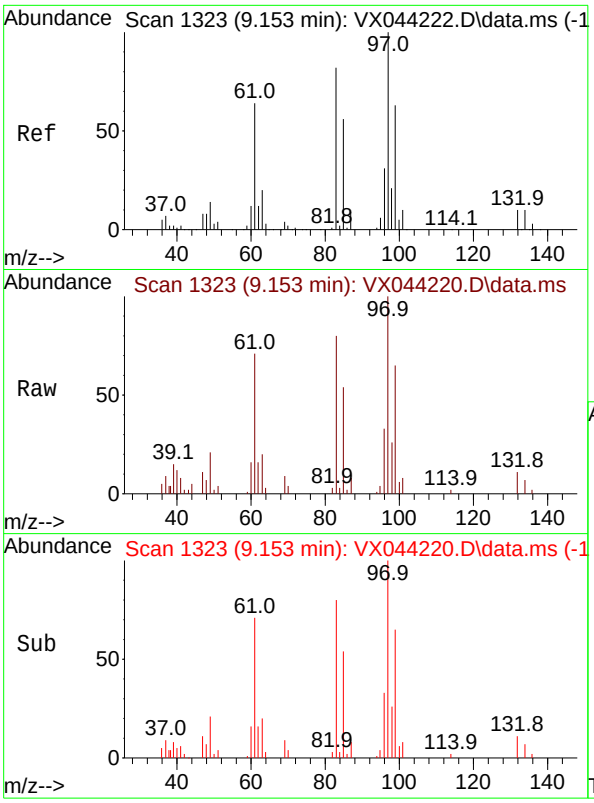




#54
cis-1,3-Dichloropropene
Concen: 4.348 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 11404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 24.7 | 37.1 |
| 39 | 50.5 | 40.3 | 60.5 |



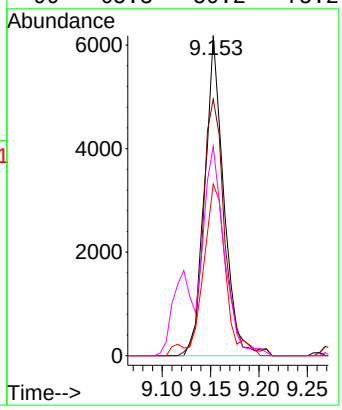


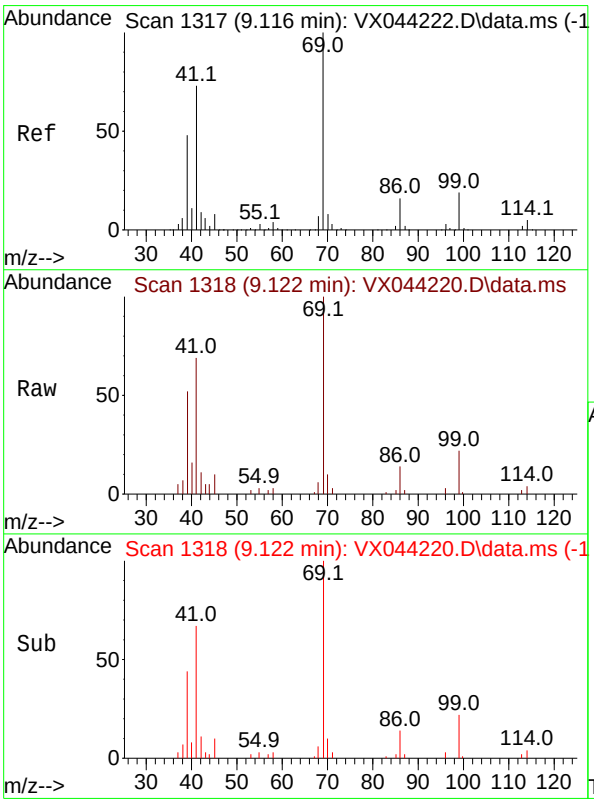

#55
1,1,2-Trichloroethane
Concen: 4.893 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 97 Resp: 8590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.2 | 65.3 | 97.9 |
| 85 | 53.6 | 44.6 | 67.0 |
| 99 | 65.3 | 50.2 | 75.2 |

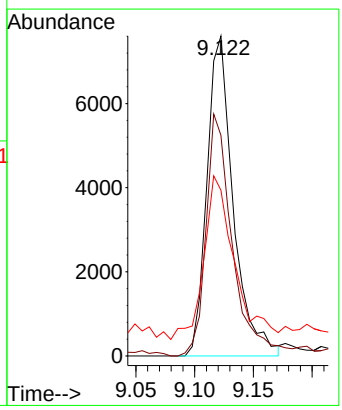


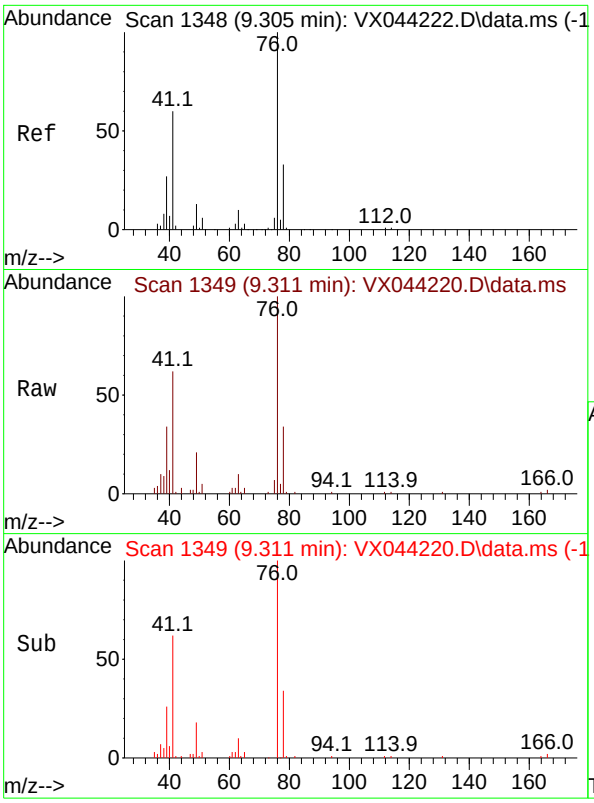




#56
Ethyl methacrylate
Concen: 4.277 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 69 Resp: 11854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 76.0 | 56.6 | 85.0 |
| 39 | 58.7 | 37.4 | 56.0# |



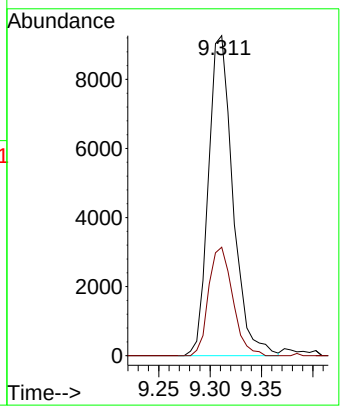


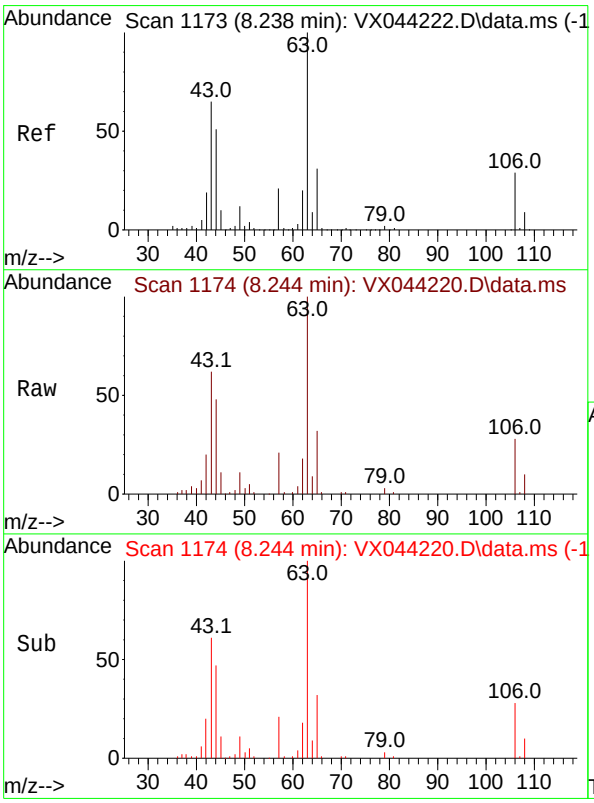

#57
1,3-Dichloropropane
Concen: 5.024 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 15352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.3 | 26.5 | 39.7 |

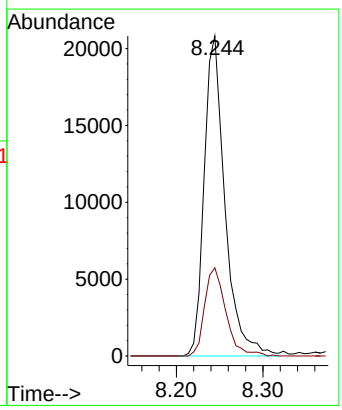


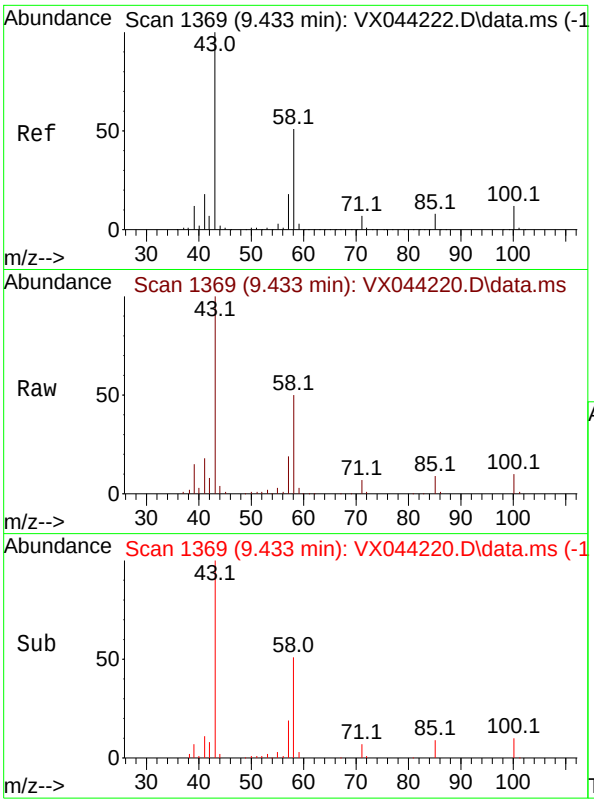




#58
2-Chloroethyl Vinyl ether
Concen: 24.852 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 34738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.1 | 22.8 | 34.2 |



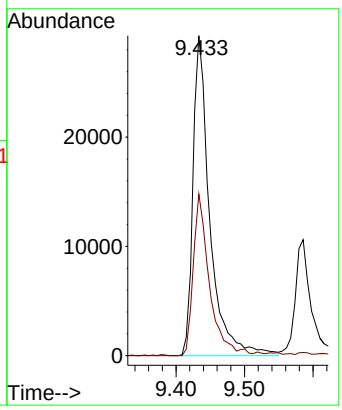


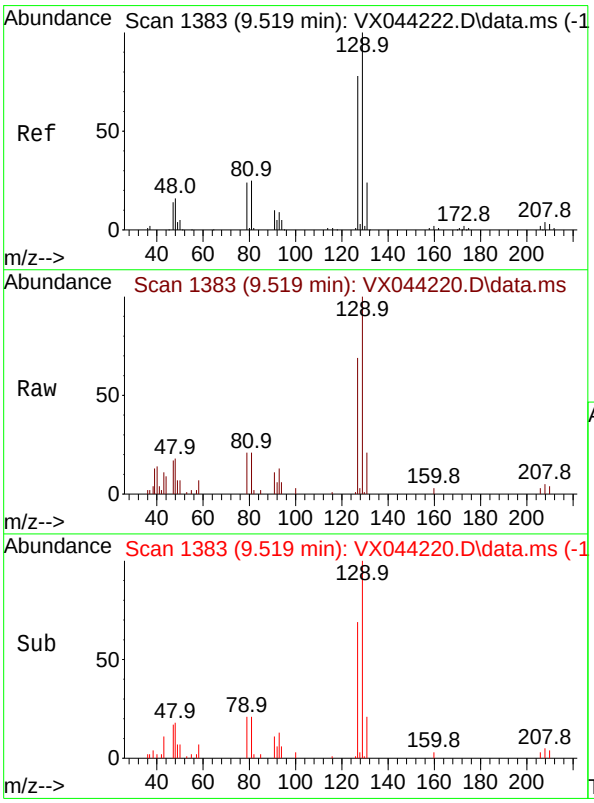

#59
2-Hexanone
Concen: 23.994 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 50003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.6 | 25.7 | 77.0 |

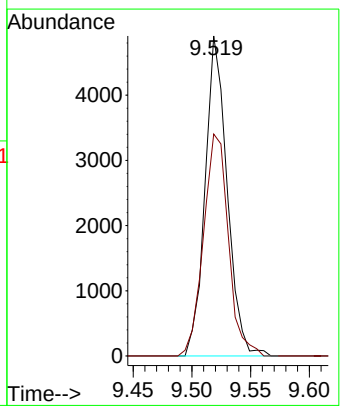


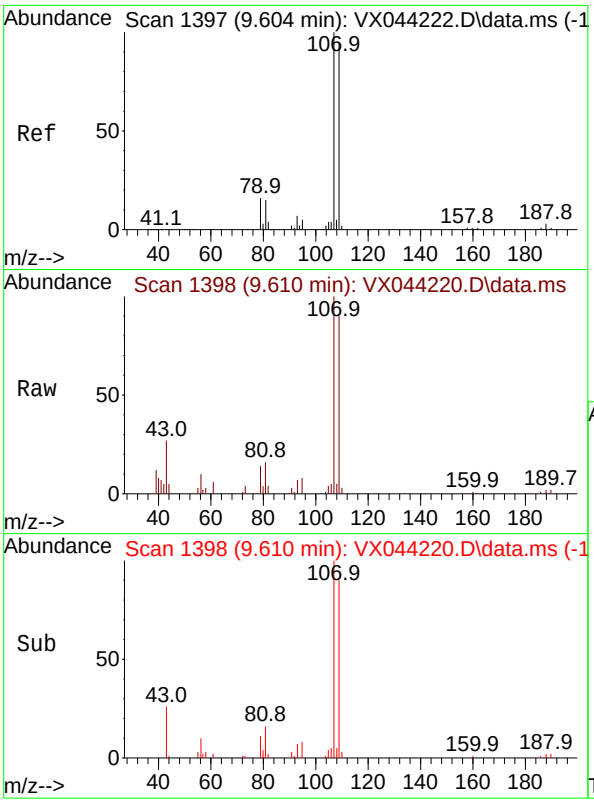




#60
Dibromochloromethane
Concen: 4.738 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:129 Resp: 6411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.3 | 38.5 | 115.3 |



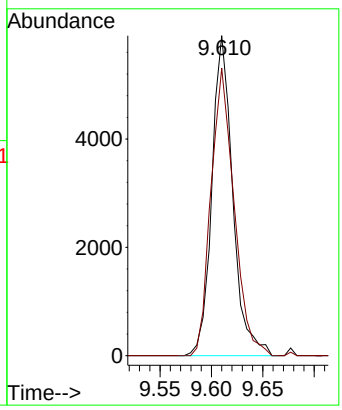


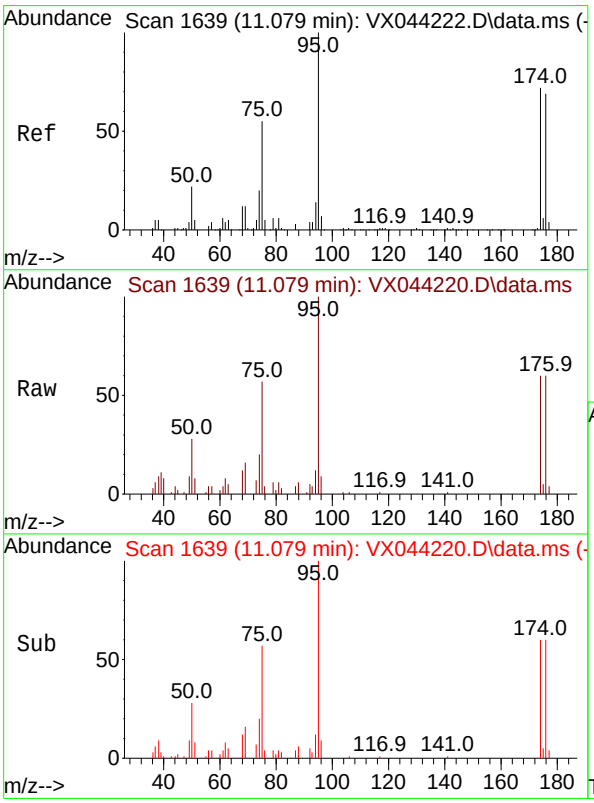

#61
1,2-Dibromoethane
Concen: 4.662 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:107 Resp: 8330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 99.5 | 77.0 | 115.4 |

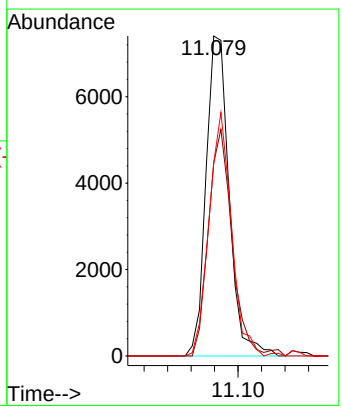


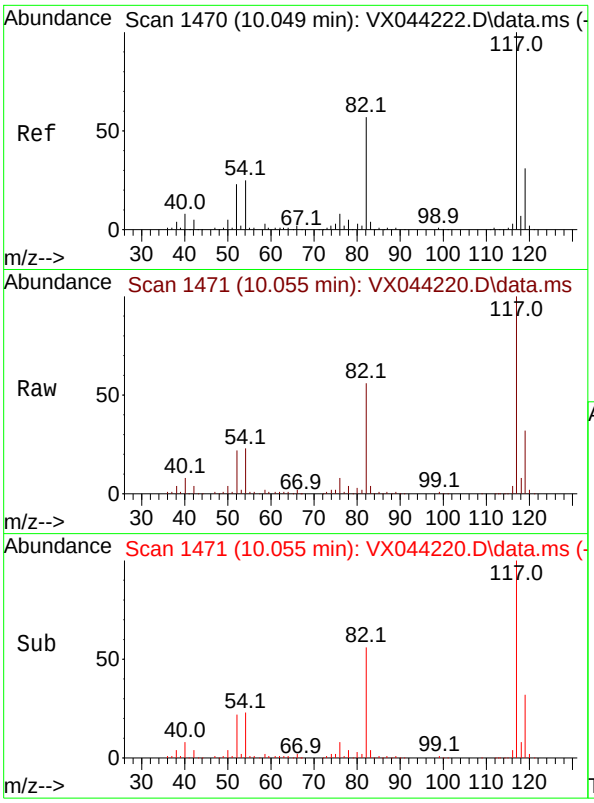




#62
4-Bromofluorobenzene
Concen: 4.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 95 Resp: 10101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.5 | 0.0 | 145.8 |
| 176 | 74.4 | 0.0 | 137.8 |



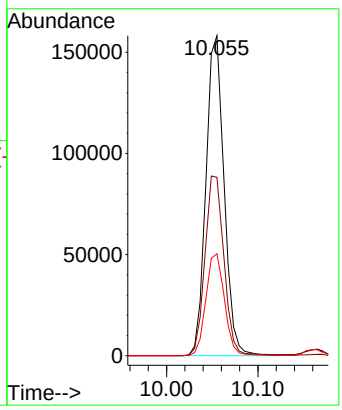


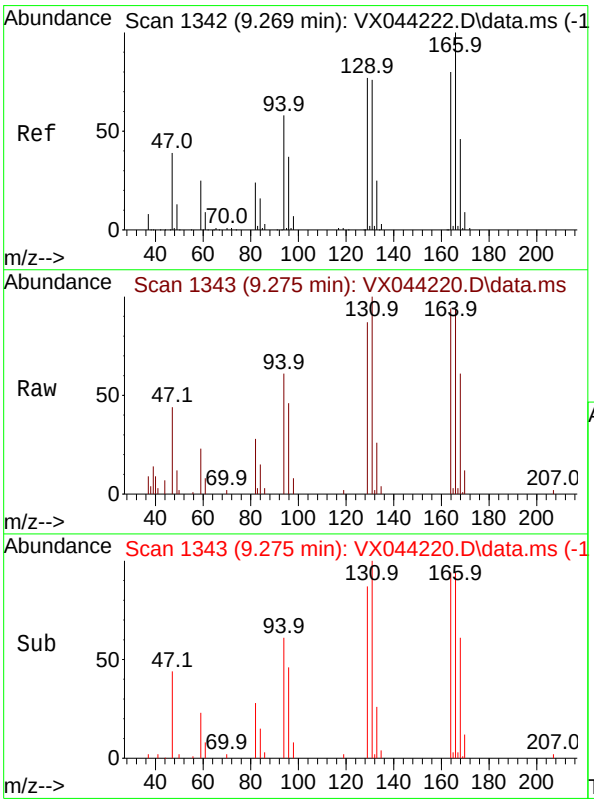

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:117 Resp: 217783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.8 | 45.8 | 68.8 |
| 119 | 31.9 | 25.0 | 37.4 |

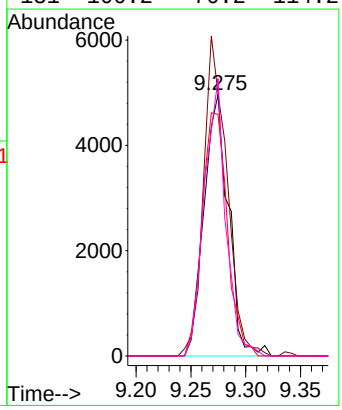


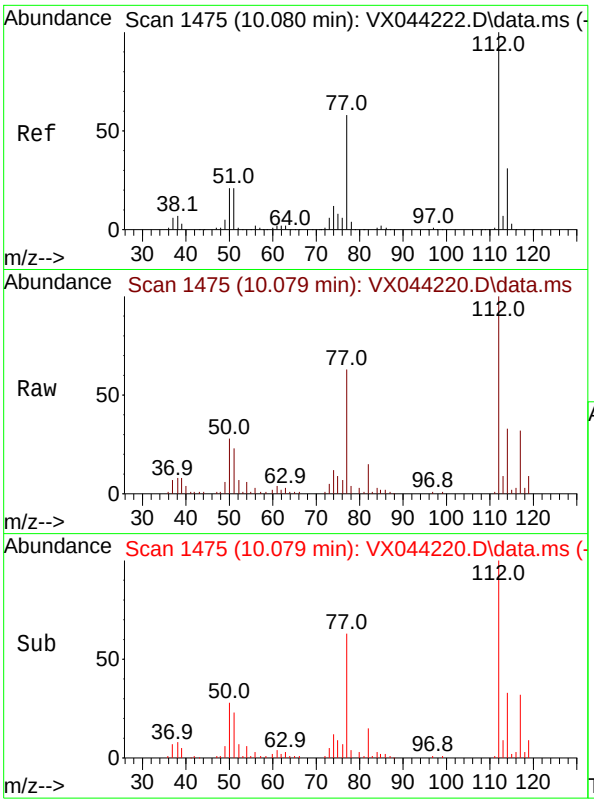




#64
Tetrachloroethene
Concen: 5.334 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:164 Resp: 7710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 100.3 | 100.4 | 150.6# |
| 129 | 92.5 | 77.2 | 115.8 |
| 131 | 106.2 | 76.2 | 114.2 |



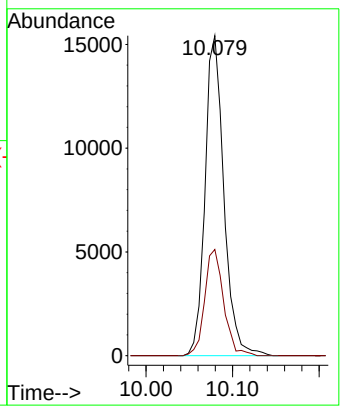


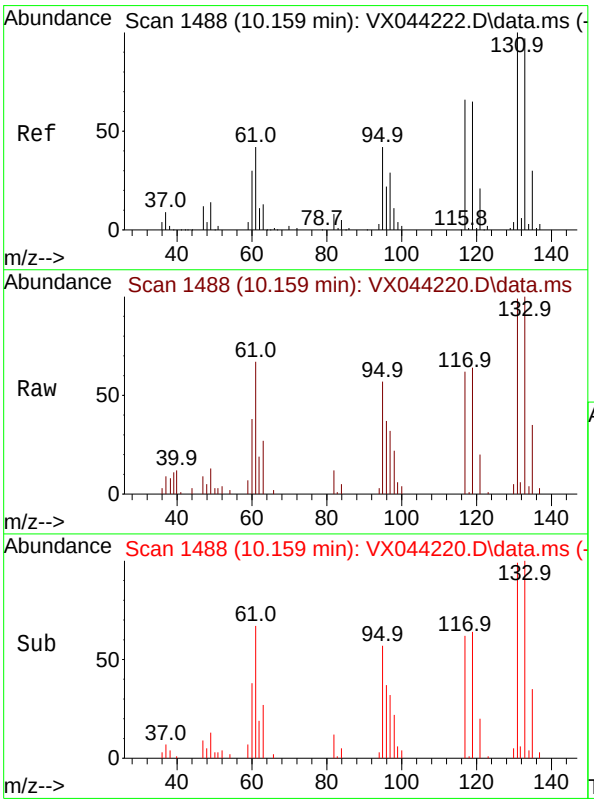

#65
Chlorobenzene
Concen: 4.986 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:112 Resp: 23268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.2 | 25.0 | 37.6 |

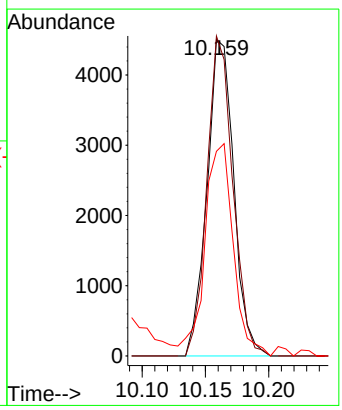


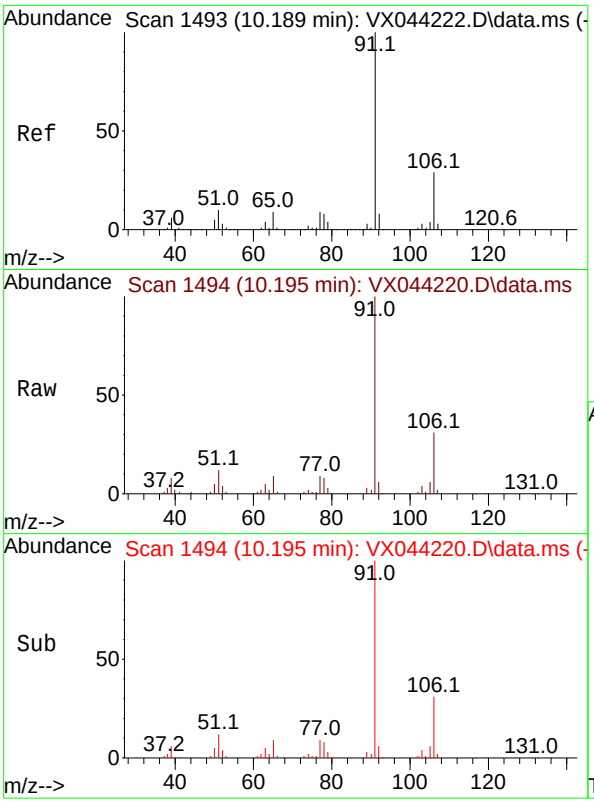




#66
1,1,1,2-Tetrachloroethane
Concen: 4.432 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:131 Resp: 6647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.7 | 47.3 | 141.8 |
| 119 | 70.8 | 31.6 | 95.0 |



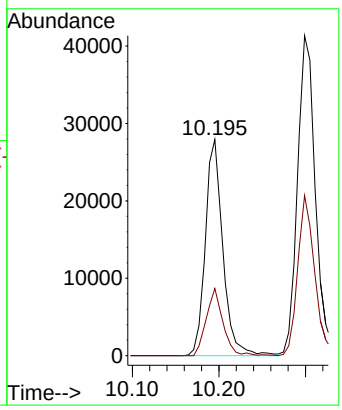


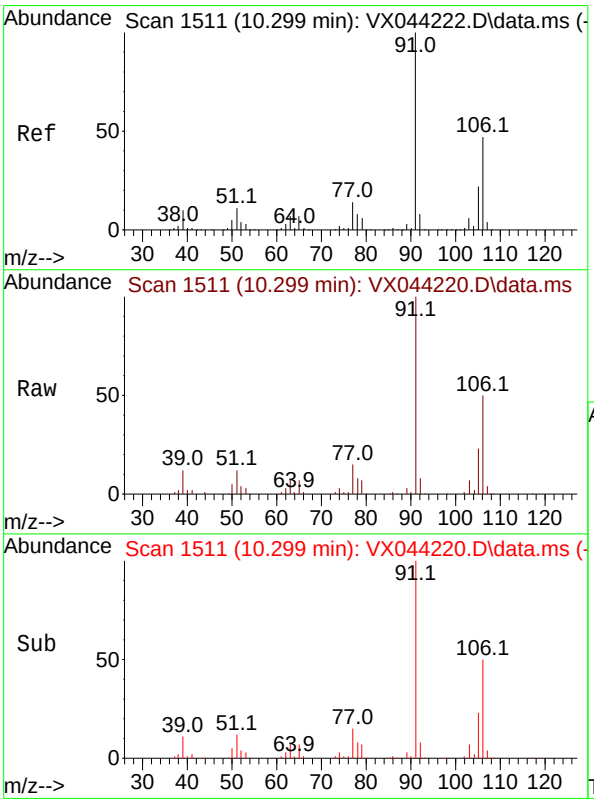

#67
Ethyl Benzene
Concen: 4.877 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 39326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 23.5 | 35.3 |

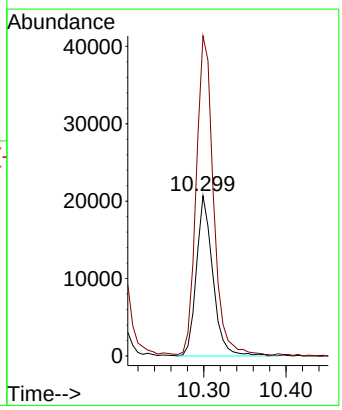


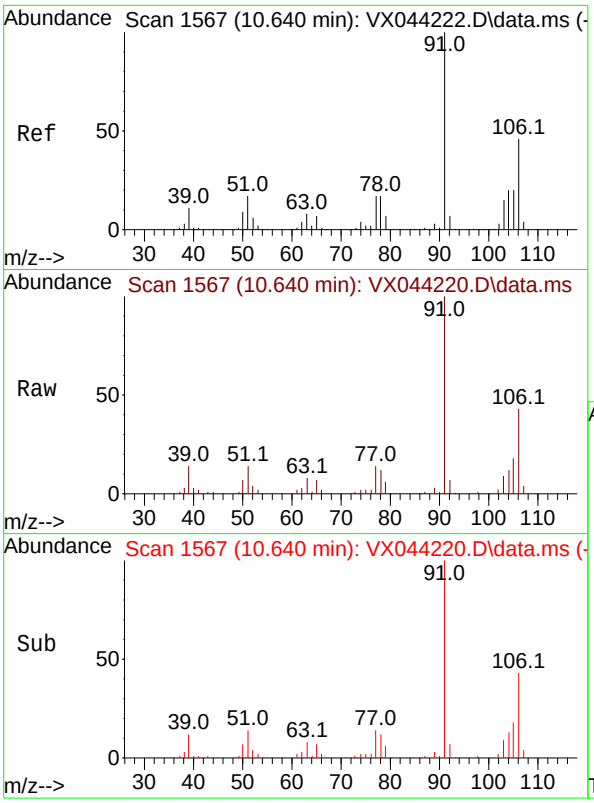




#68
m/p-Xylenes
Concen: 9.720 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:106 Resp: 28758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.2 | 170.2 | 255.2 |



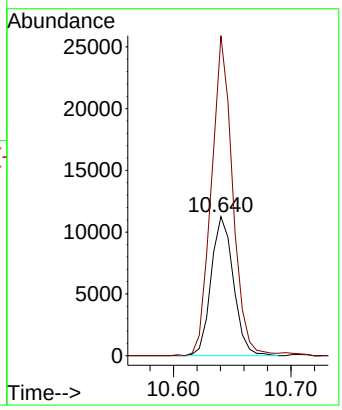


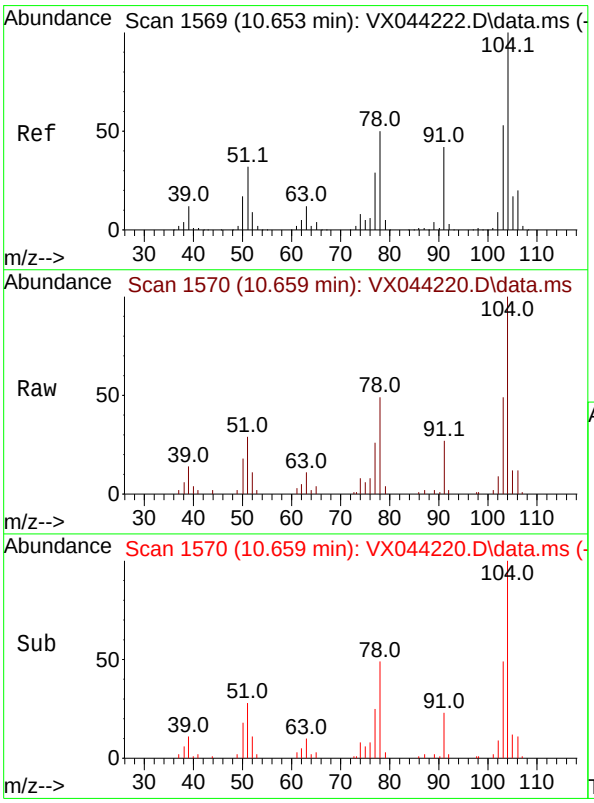

#69
o-Xylene
Concen: 4.965 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:106 Resp: 14864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.3 | 112.3 | 337.0 |

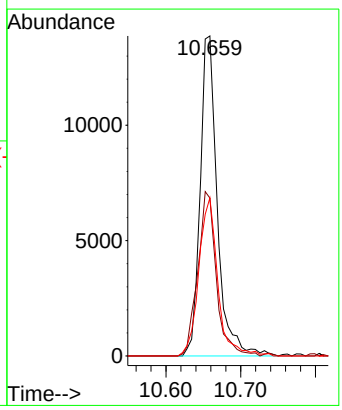


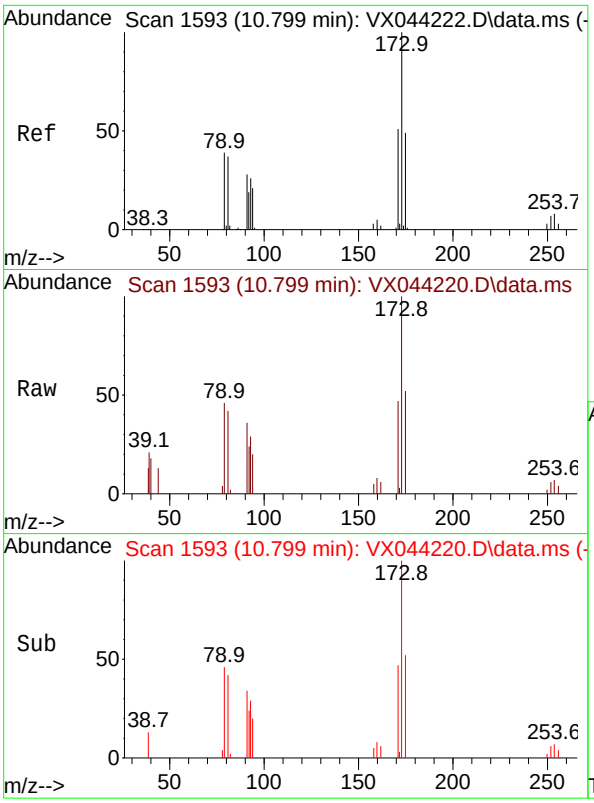




#70
Styrene
Concen: 4.624 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:104 Resp: 22191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 55.5 | 44.6 | 67.0 |
| 103 | 54.6 | 45.4 | 68.0 |



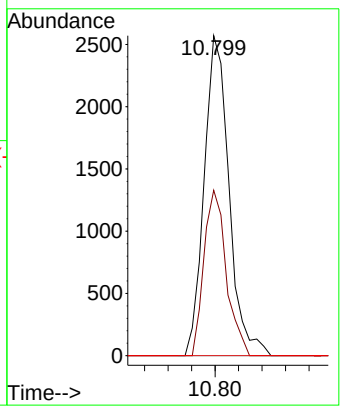


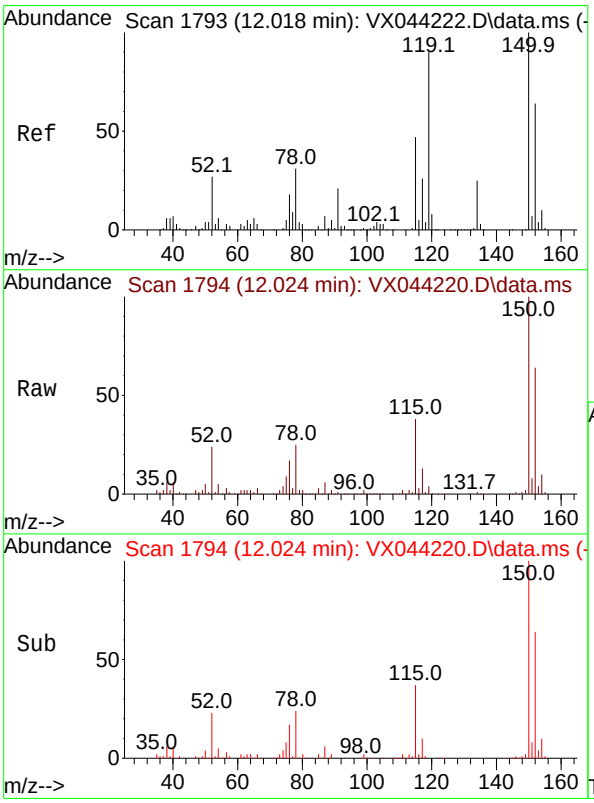

#71
Bromoform
Concen: 5.118 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:173 Resp: 3775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.3 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

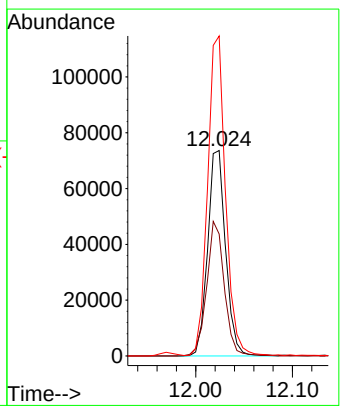


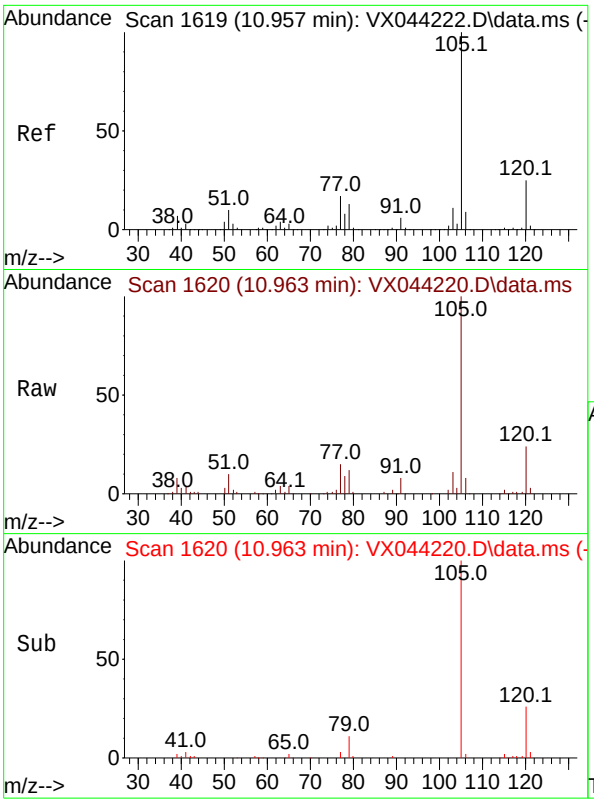




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:152 Resp: 95175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 64.2 | 44.5 | 133.3 |
| 150 | 154.3 | 0.0 | 353.8 |



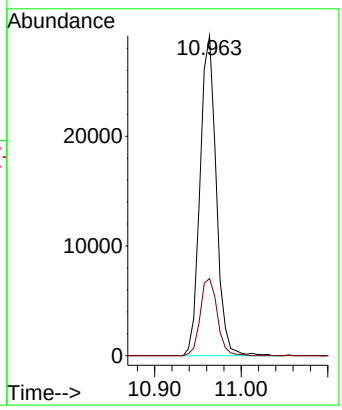


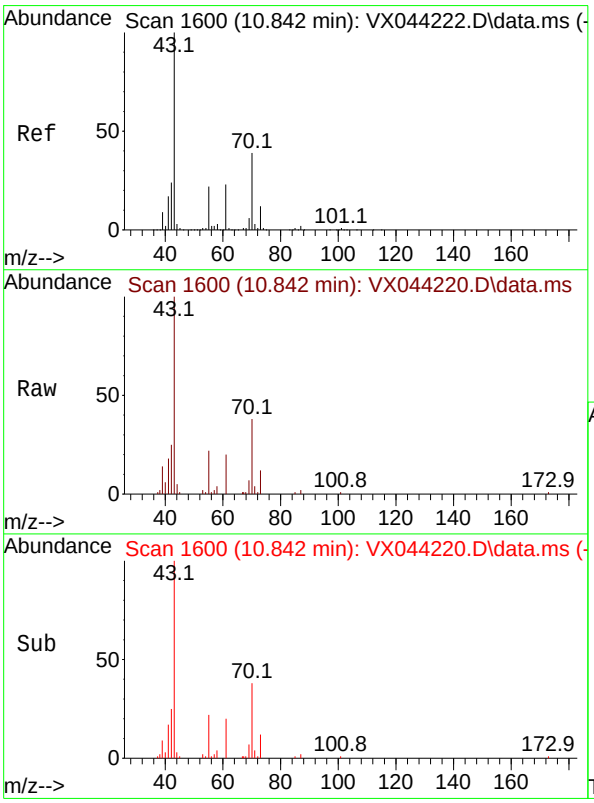

#73
Isopropylbenzene
Concen: 5.194 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 37843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.4 | 13.1 | 39.3 |

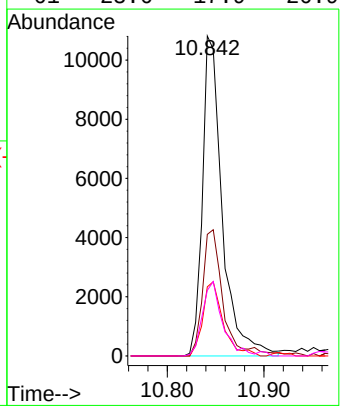


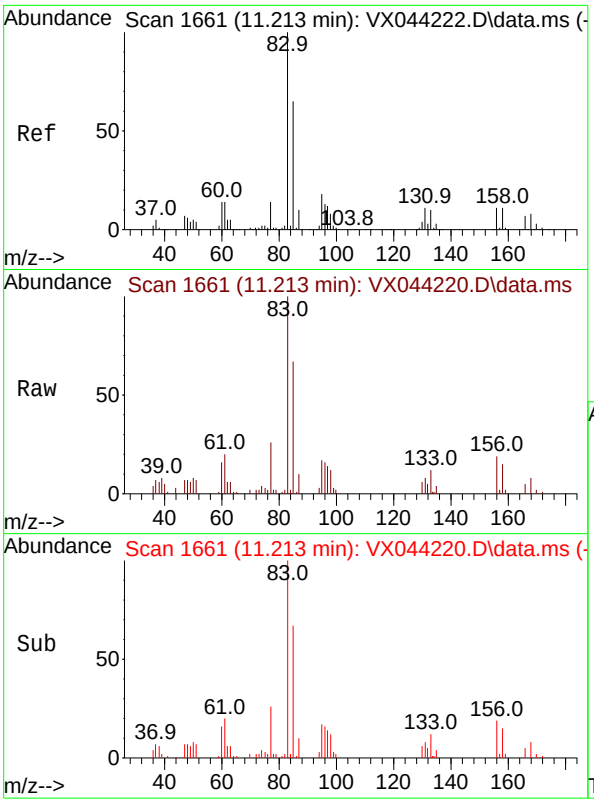




#74
N-amyl acetate
Concen: 4.579 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 15418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.2 | 31.9 | 47.9 |
| 55 | 23.7 | 17.9 | 26.9 |
| 61 | 23.6 | 17.9 | 26.9 |



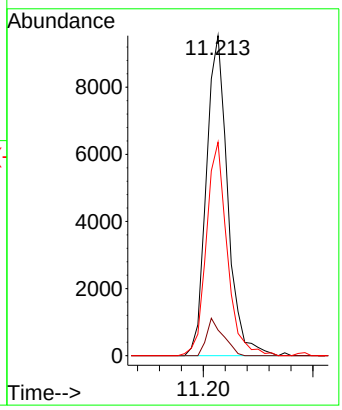


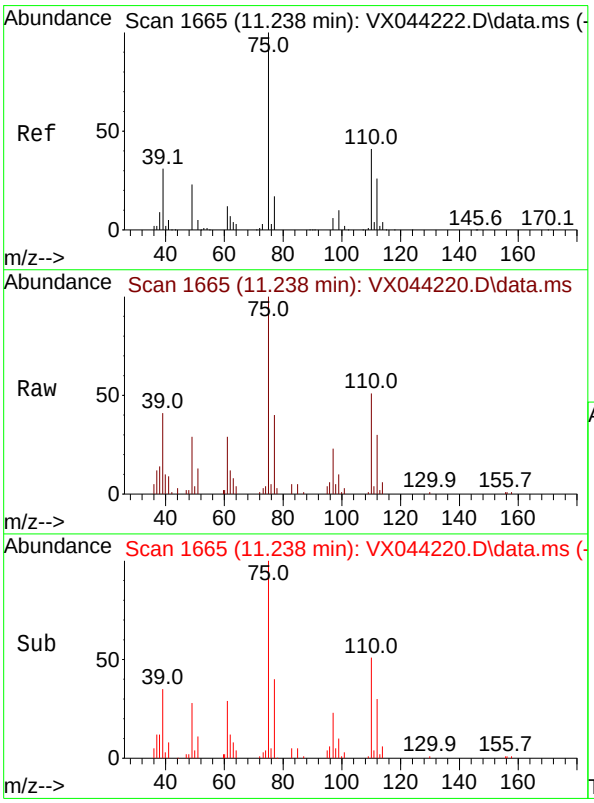

#75
1,1,2,2-Tetrachloroethane
Concen: 5.077 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 12848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.1 | 5.1 | 15.4 |
| 85 | 65.3 | 32.5 | 97.4 |

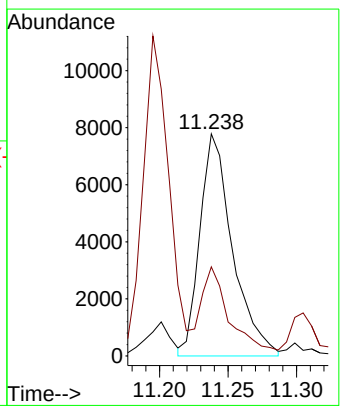


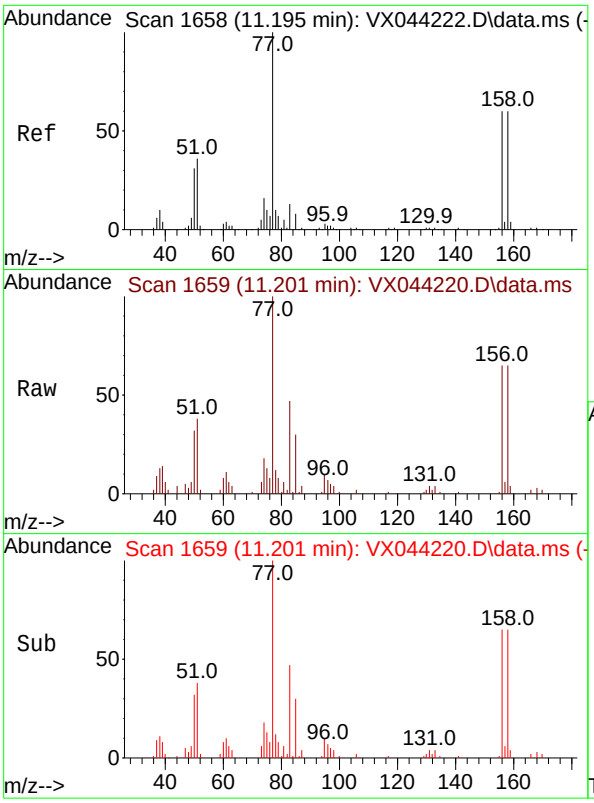




#76
1,2,3-Trichloropropane
Concen: 5.974 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 12901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.0 | 20.9 | 62.7 |



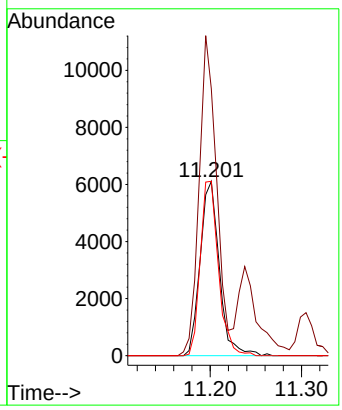


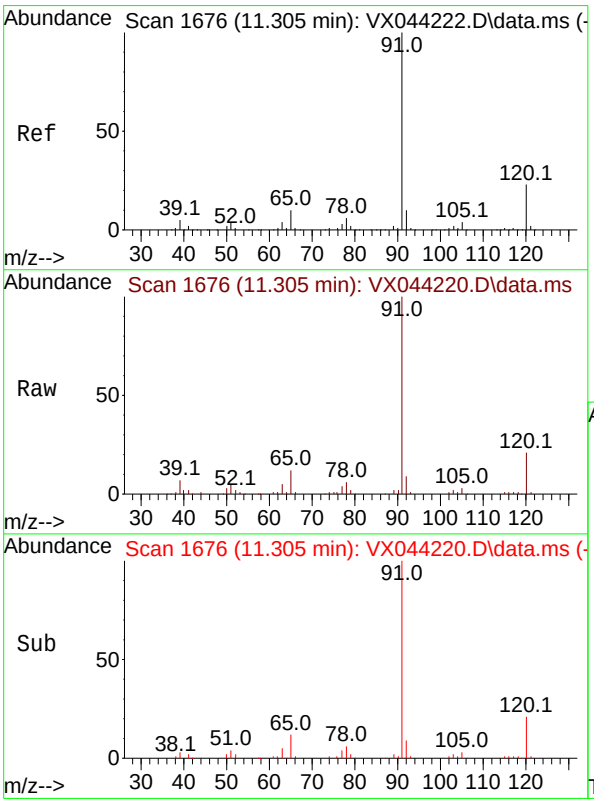

#77
Bromobenzene
Concen: 5.033 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:156 Resp: 8892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.4 | 82.6 | 247.8 |
| 158 | 94.7 | 48.8 | 146.4 |

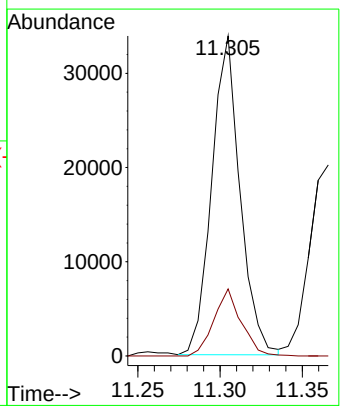


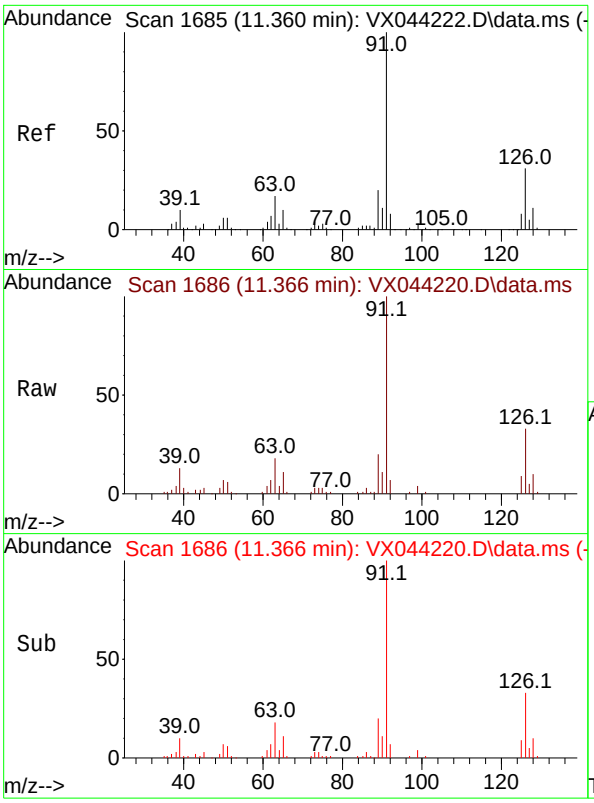




#78
n-propylbenzene
Concen: 5.038 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 40574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 20.3 | 11.0 | 33.0 |



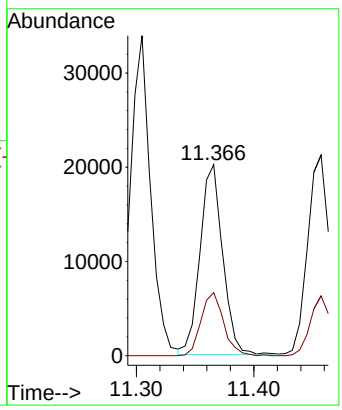


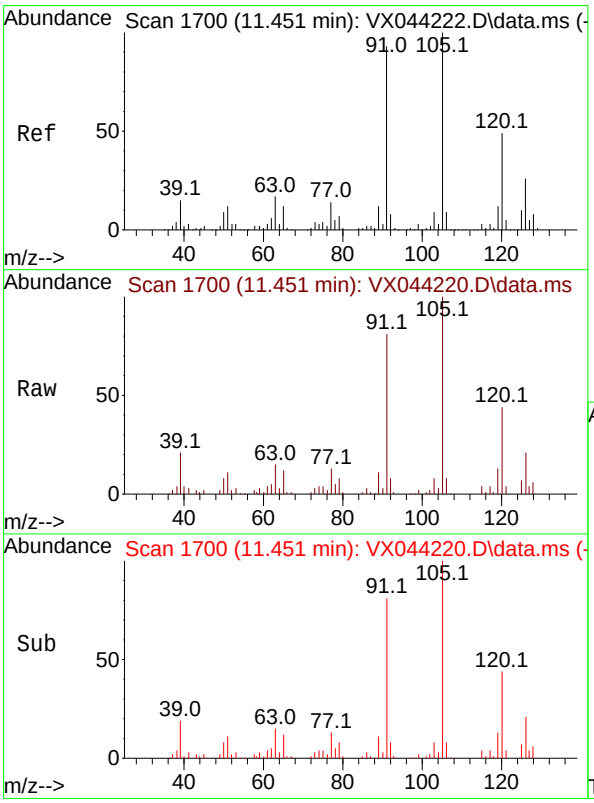

#79
2-Chlorotoluene
Concen: 5.203 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 27096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.4 | 49.1 |

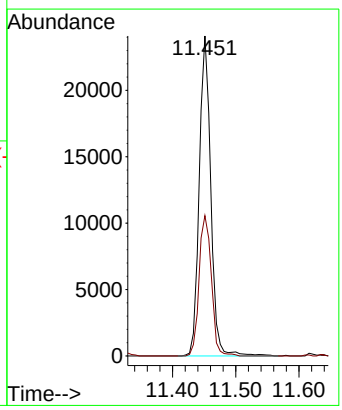


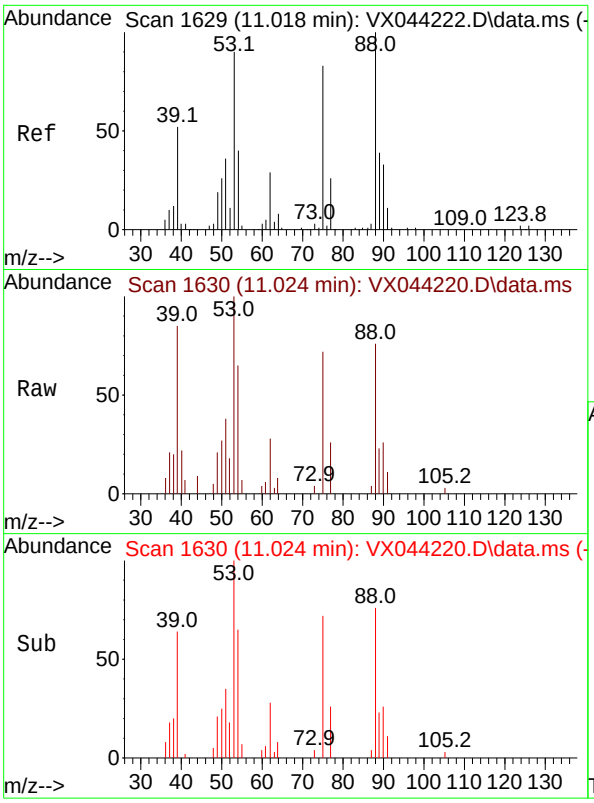




#80
1,3,5-Trimethylbenzene
Concen: 5.075 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 30665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.6 | 23.8 | 71.4 |



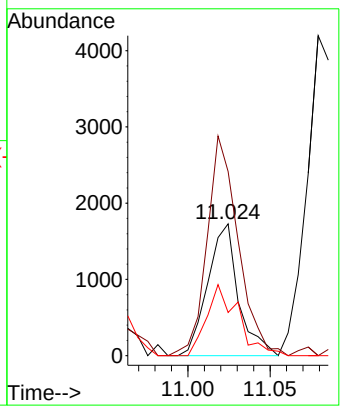


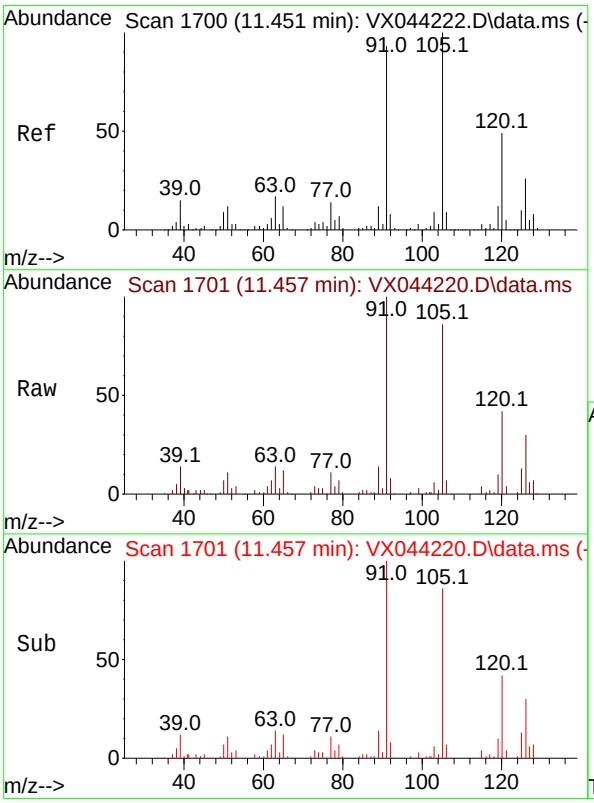

#81
trans-1,4-Dichloro-2-butene
Concen: 8.273 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 2249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 168.9 | 93.6 | 140.4# |
| 89 | 55.5 | 37.3 | 55.9 |

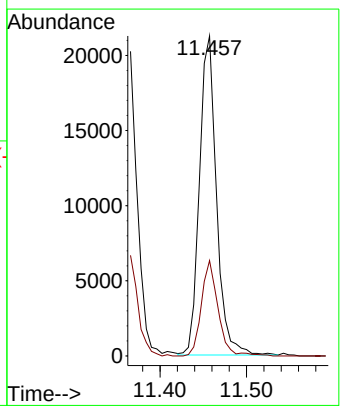


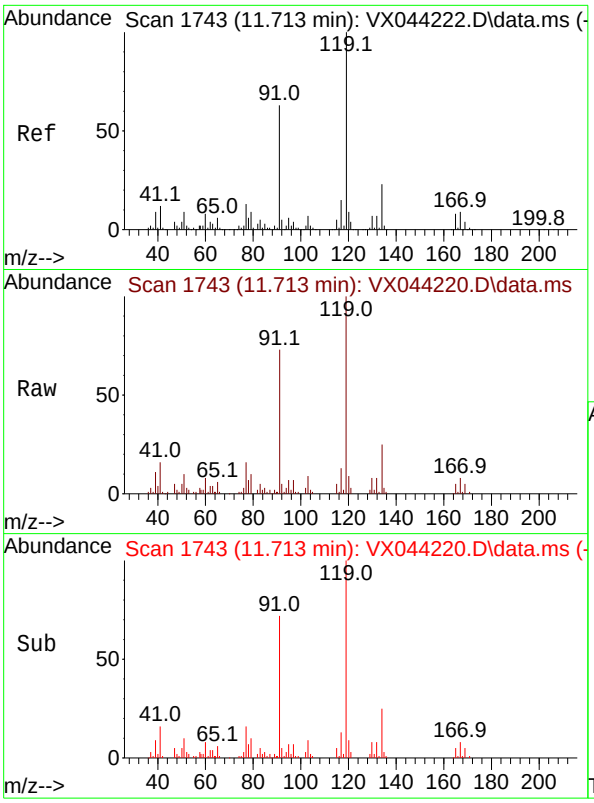




#82
4-Chlorotoluene
Concen: 5.035 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 29039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.5 | 43.5 |



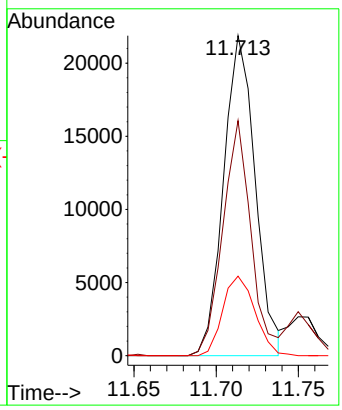


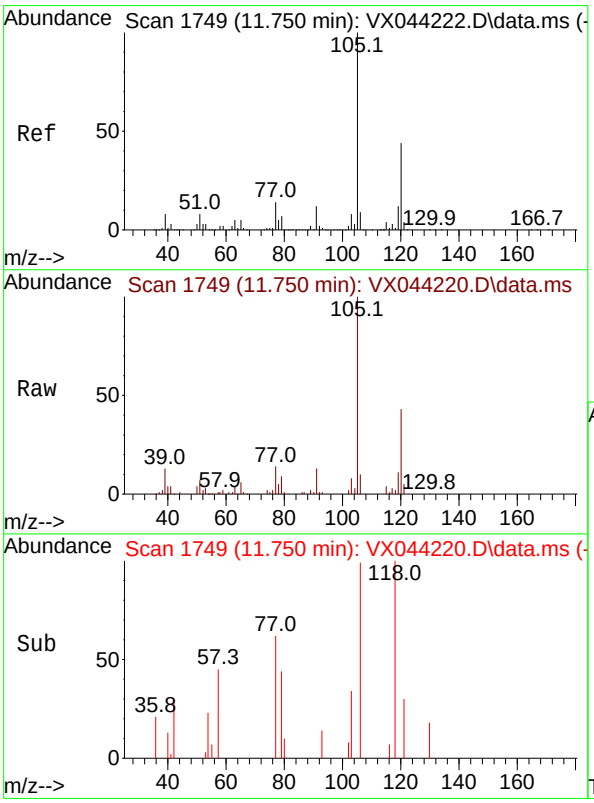

#83
tert-Butylbenzene
Concen: 4.904 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:119 Resp: 29283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.9 | 30.9 | 92.5 |
| 134 | 25.3 | 11.5 | 34.4 |

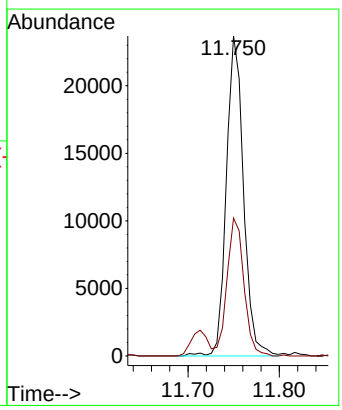


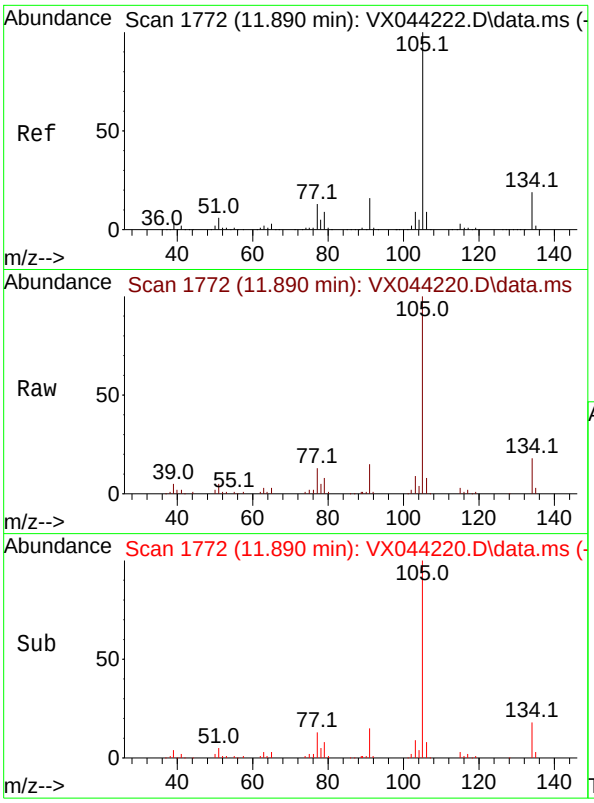




#84
1,2,4-Trimethylbenzene
Concen: 5.219 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 30970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.6 | 21.7 | 65.1 |



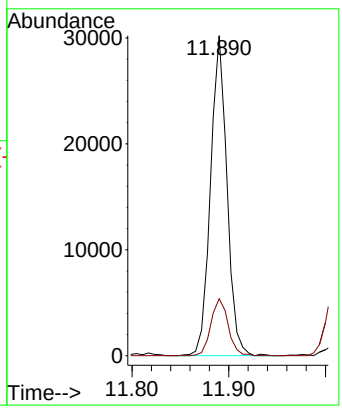


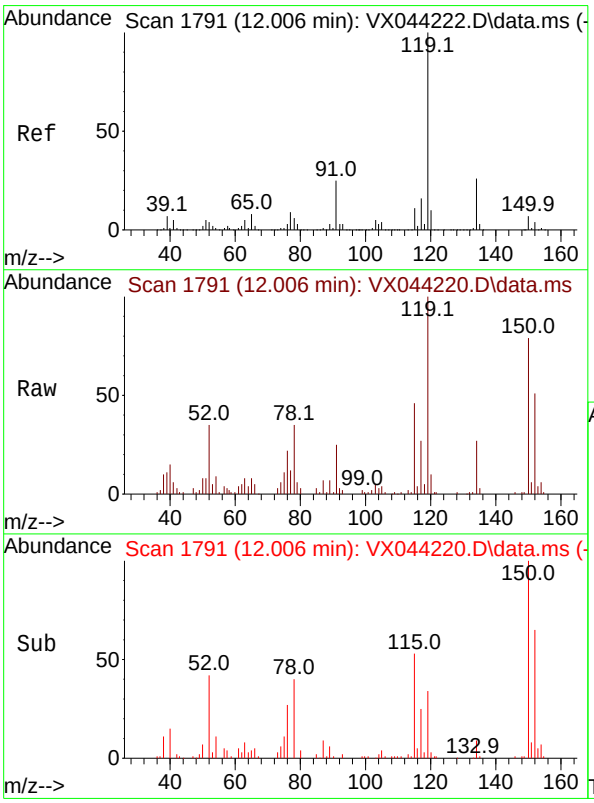

#85
sec-Butylbenzene
Concen: 4.921 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 35670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.6 | 9.8 | 29.4 |

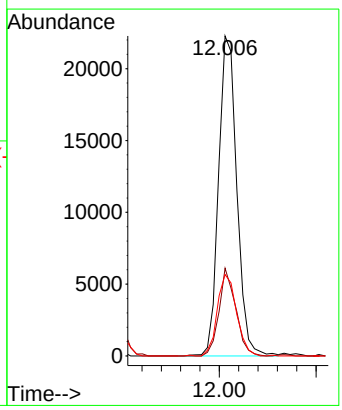


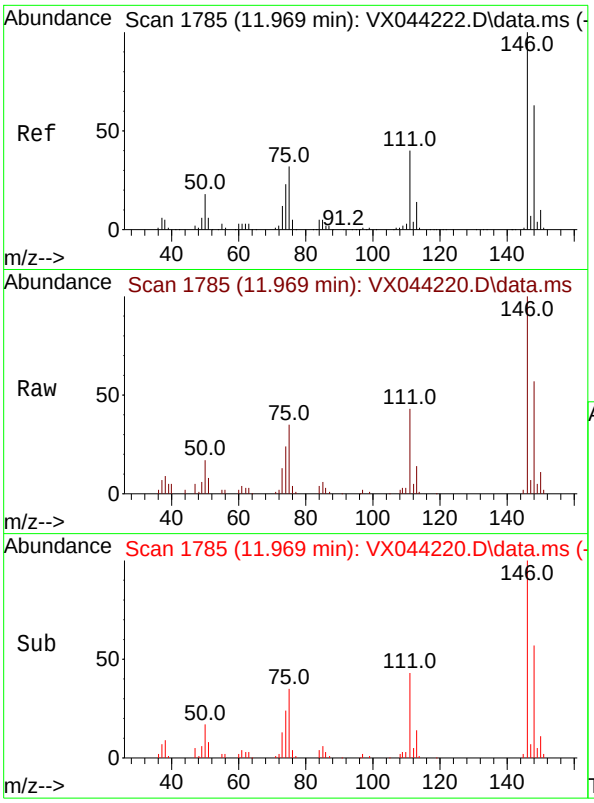




#86
p-Isopropyltoluene
Concen: 4.828 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:119 Resp: 29132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 12.8 | 38.4 |
| 91 | 26.9 | 13.0 | 39.0 |



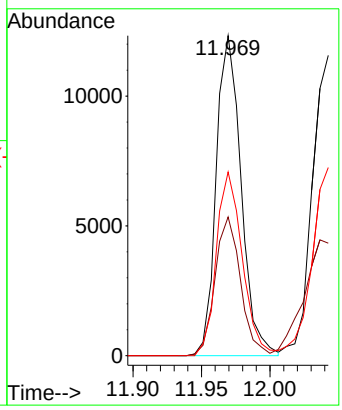


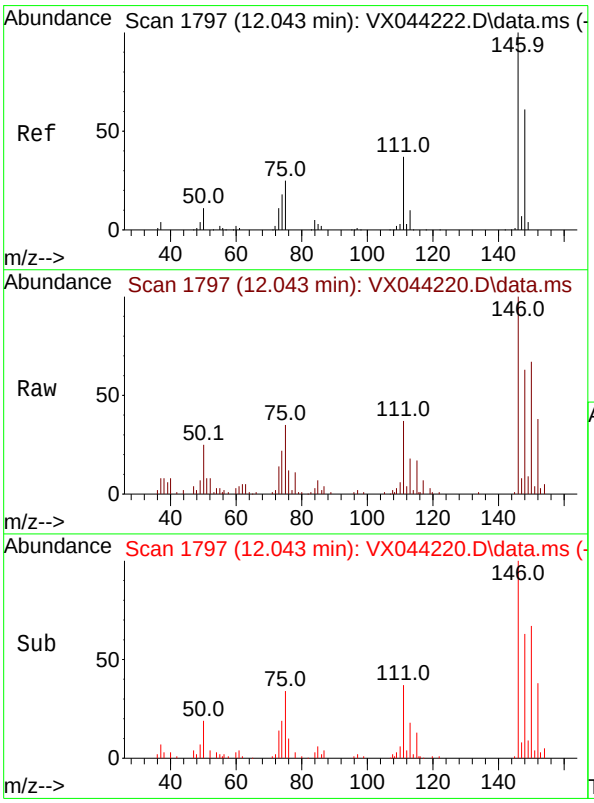

#87
1,3-Dichlorobenzene
Concen: 5.039 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 15553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 21.4 | 64.2 |
| 148 | 60.1 | 31.7 | 95.1 |

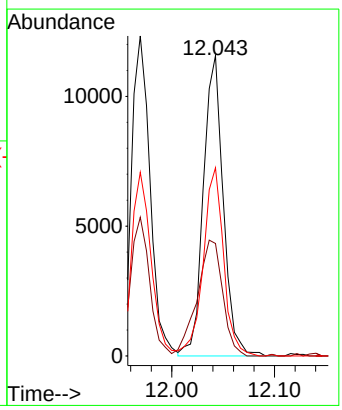


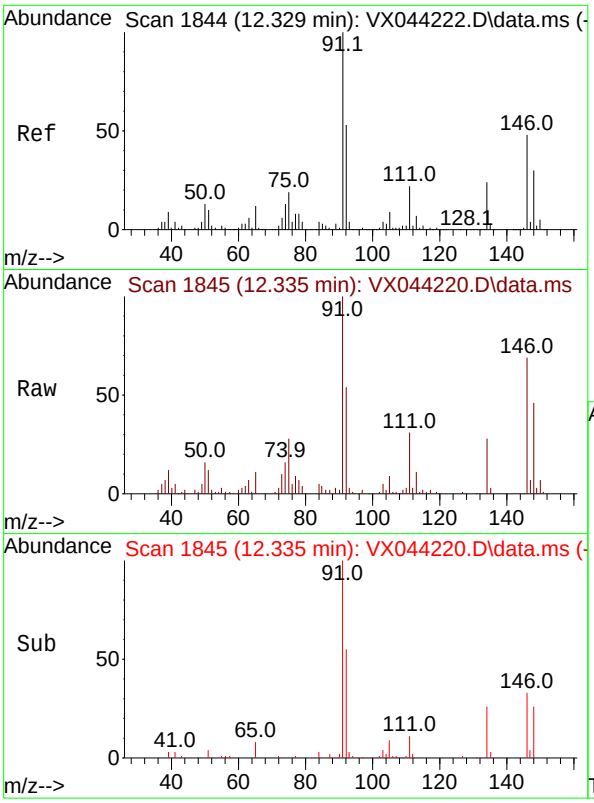




#88
1,4-Dichlorobenzene
Concen: 4.920 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:146 Resp: 15609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.5 | 21.0 | 63.0 |
| 148 | 64.1 | 32.3 | 96.8 |



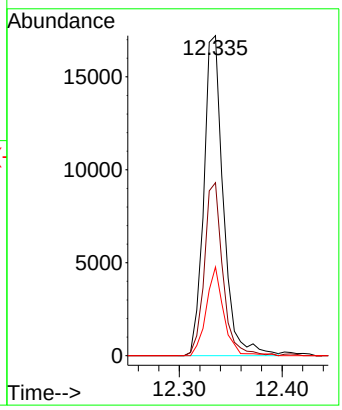


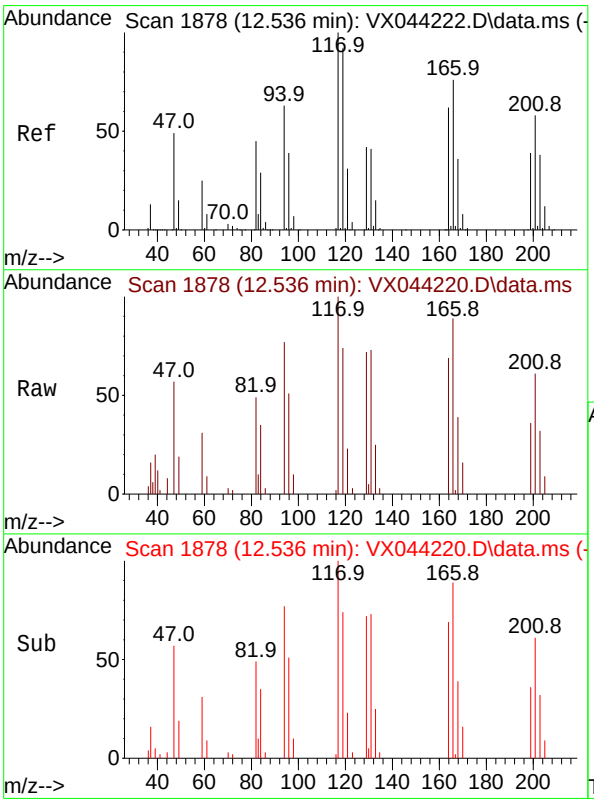

#89
n-Butylbenzene
Concen: 4.478 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 22719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.1 | 26.6 | 79.7 |
| 134 | 24.9 | 12.6 | 37.8 |

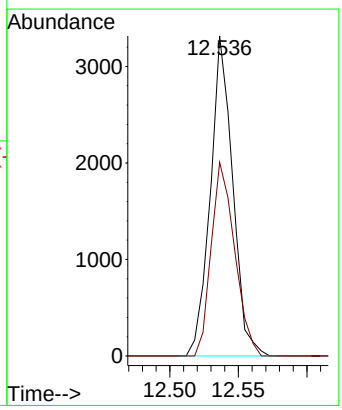


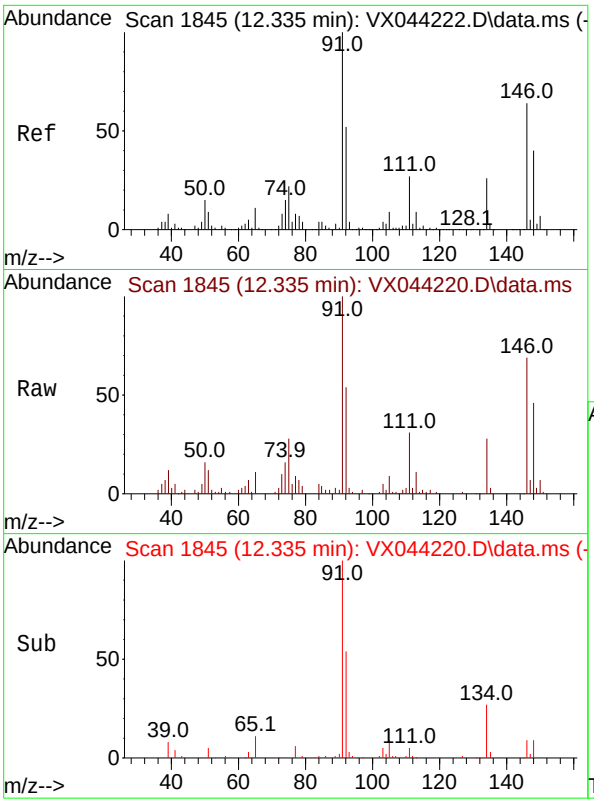




#90
Hexachloroethane
Concen: 4.275 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 3765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.5 | 31.4 | 94.2 |



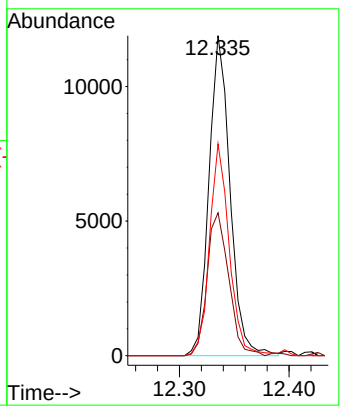


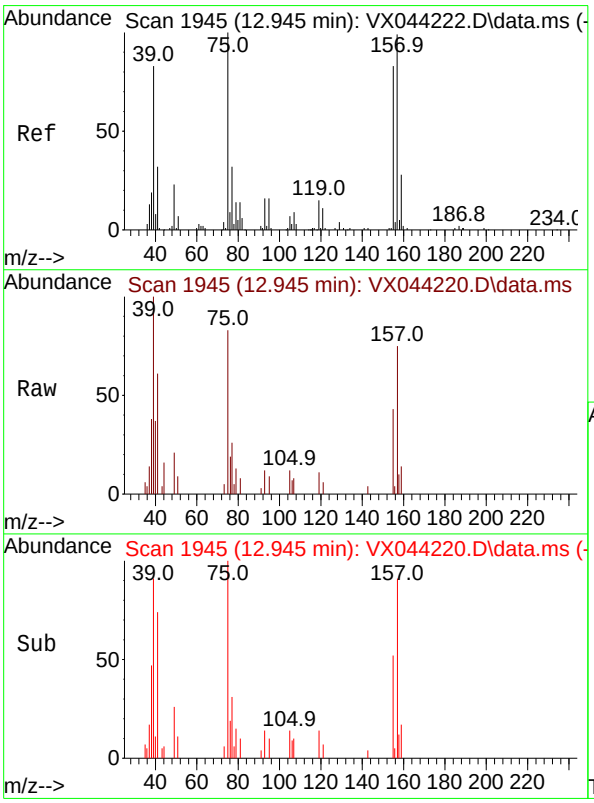

#91
1,2-Dichlorobenzene
Concen: 4.949 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 15858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.8 | 21.4 | 64.3 |
| 148 | 62.1 | 31.6 | 95.0 |

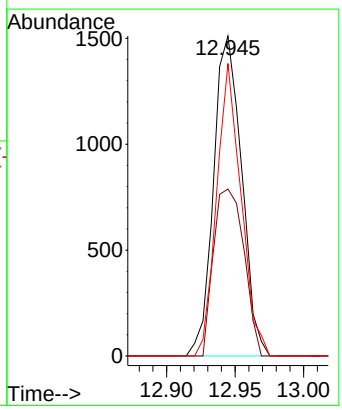


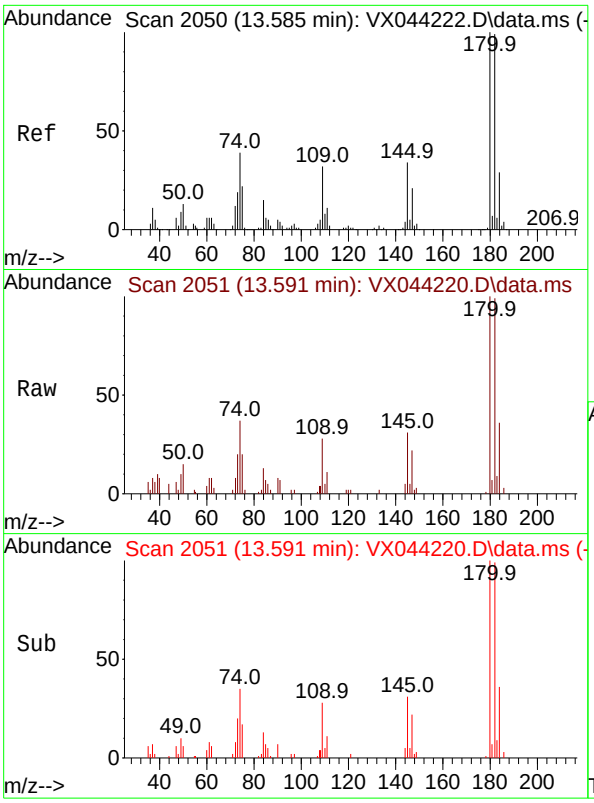




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.385 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 2154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 56.5 | 38.1 | 114.3 |
| 157 | 79.4 | 47.2 | 141.6 |



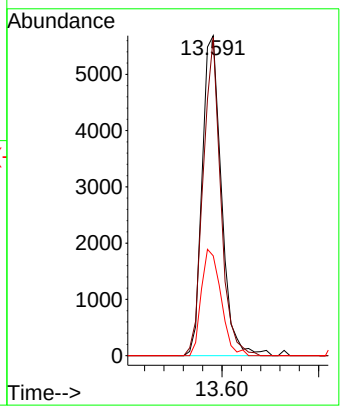


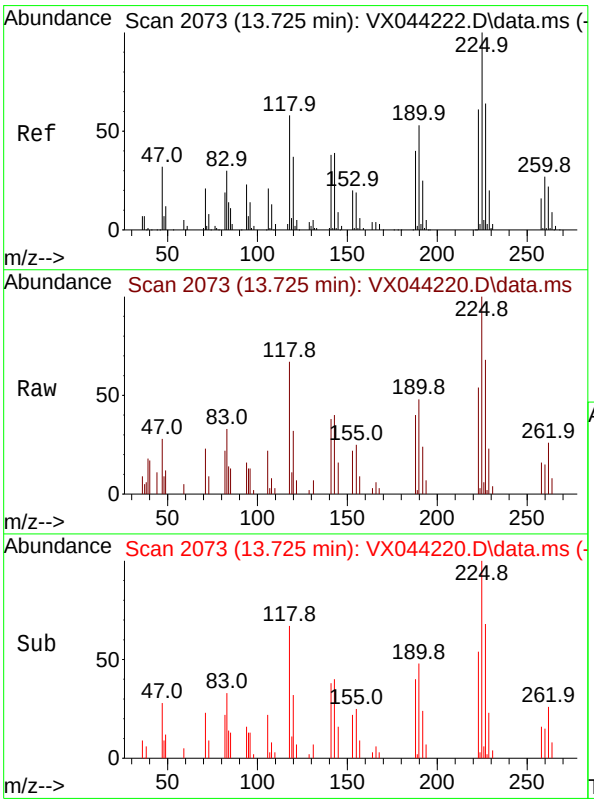

#93
1,2,4-Trichlorobenzene
Concen: 4.478 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:180 Resp: 7867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 90.8 | 48.0 | 144.2 |
| 145 | 33.9 | 16.6 | 49.7 |

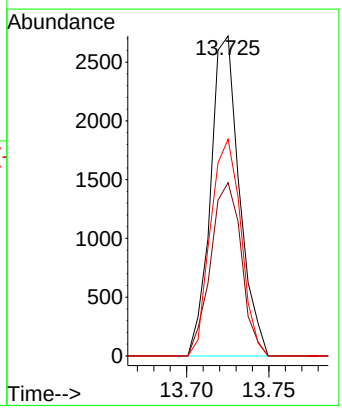


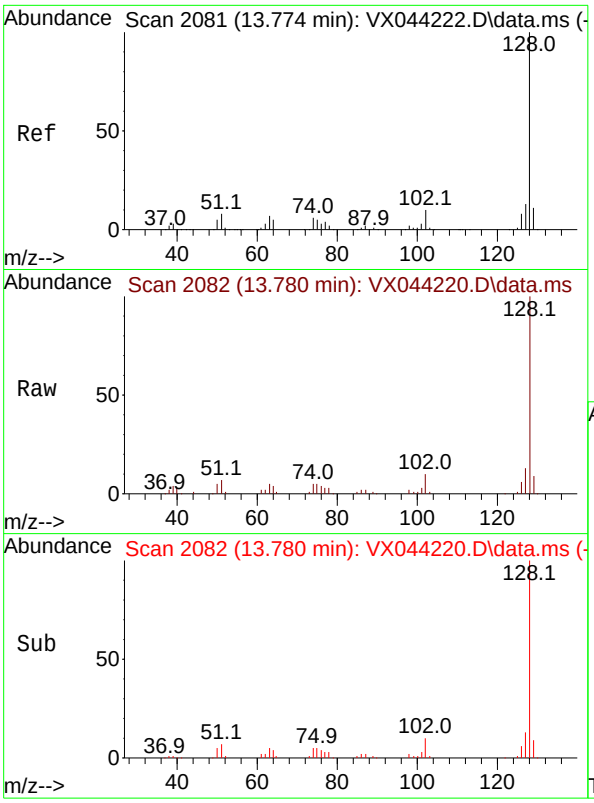




#94
Hexachlorobutadiene
Concen: 4.700 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:225 Resp: 3321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 57.9 | 30.8 | 92.4 |
| 227 | 71.2 | 32.1 | 96.3 |



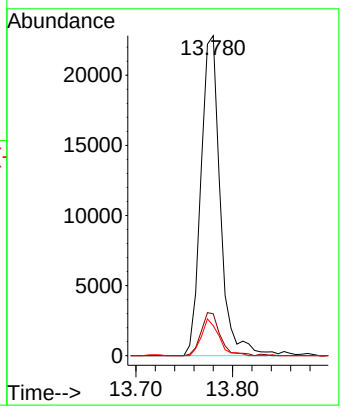


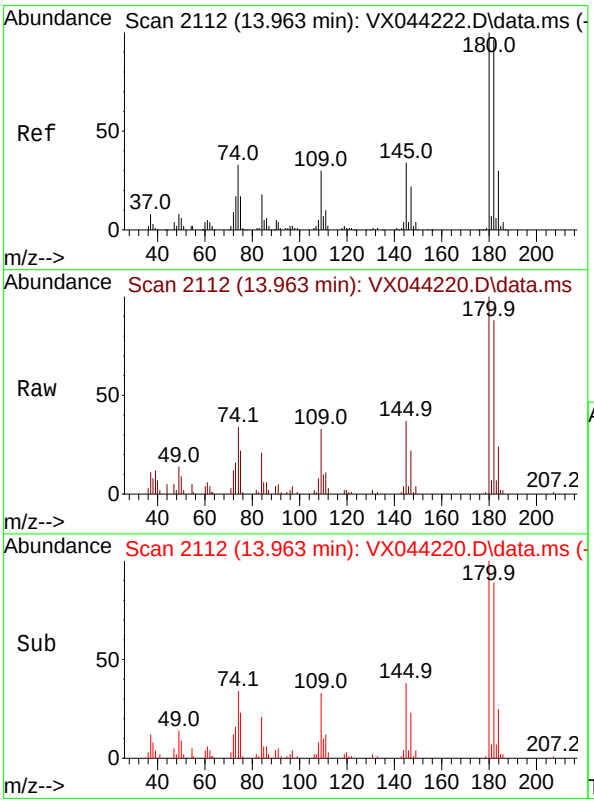

#95
Naphthalene
Concen: 4.643 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:128 Resp: 31842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.5 | 15.7 |
| 129 | 10.3 | 9.0 | 13.4 |

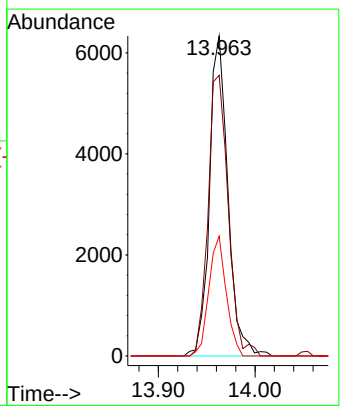



#96
1,2,3-Trichlorobenzene
Concen: 4.520 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:180 Resp: 8422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 48.0 | 144.0 |
| 145 | 35.2 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 134436 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 254199 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 218148 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 98180 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 41821 | 17.743 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 35.480%# | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 30304 | 17.213 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 34.420%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 102660 | 17.284 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 34.560%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 35645 | 17.175 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 34.340%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 38748 | 18.640 | ug/l | 90 |
| 3) Chloromethane | 1.294 | 50 | 39546 | 19.894 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 42048 | 20.304 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 27604 | 18.789 | ug/l | 94 |
| 6) Chloroethane | 1.666 | 64 | 27673 | 21.460 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 81398 | 20.077 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 25884 | 18.704 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 31846 | 19.412 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 42786 | 19.788 | ug/l | 99 |
| 11) Tert butyl alcohol | 3.001 | 59 | 32189 | 97.050 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 29241 | 19.405 | ug/l | 92 |
| 13) Acrolein | 2.239 | 56 | 43909 | 91.311 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 47218 | 18.813 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 89249 | 96.988 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 88985 | 92.601 | ug/l | 95 |
| 17) Carbon Disulfide | 2.502 | 76 | 50399 | 17.595 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 47509 | 19.175 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 114371 | 19.450 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 35820 | 19.846 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 31036 | 19.380 | ug/l | 97 |
| 22) Diisopropyl ether | 3.764 | 45 | 112511 | 19.907 | ug/l | 94 |
| 23) Vinyl Acetate | 3.721 | 43 | 465716 | 101.354 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 62059 | 19.699 | ug/l | 98 |
| 25) 2-Butanone | 4.568 | 43 | 136992 | 100.277 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 51431 | 20.095 | ug/l # | 74 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 39161 | 19.254 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 30977 | 20.052 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.013 | 42 | 86235 | 98.343 | ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 68410 | 19.327 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 51773 | 20.351 | ug/l | 93 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 57900 | 19.706 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 42878 | 18.841 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 56019 | 19.913 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 43901 | 17.918 | ug/l | 92 |
| 39) Methylcyclohexane | 7.379 | 83 | 53536 | 19.678 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 135467 | 19.606 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 28523 | 19.095 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 55377 | 19.456 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 84866 | 19.301 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 32995 | 19.149 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33585 | 19.025 | ug/l | | 97 |
| 46) Dibromomethane | 7.580 | 93 | 26293 | 19.199 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 44312 | 18.735 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 40620 | 19.032 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.671 | 88 | 9801 | 268.697 | ug/l | # | 71 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 278267 | 98.429 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 82934 | 19.113 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 44614 | 18.785 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 49596 | 19.258 | ug/l | | 91 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 34013 | 19.732 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 52571 | 19.318 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 59489 | 19.827 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 129900 | 94.642 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 207578 | 101.440 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 31066 | 18.318 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 34978 | 19.935 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 27702 | 19.133 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 90631 | 19.389 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 29132 | 19.392 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 158455 | 19.619 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 116126 | 39.183 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 59787 | 19.938 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 95883 | 19.946 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 16924 | 18.112 | ug/l | # | 96 |
| 73) Isopropylbenzene | 10.963 | 105 | 153935 | 20.481 | ug/l | | 98 |
| 74) N-amyl acetate | 10.842 | 43 | 69643 | 20.049 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 52312 | 20.039 | ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 55384 | 24.859 | ug/l | | 86 |
| 77) Bromobenzene | 11.195 | 156 | 34951 | 19.176 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 169622 | 20.419 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 106310 | 19.788 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 126626 | 20.315 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11784 | 19.264 | ug/l | | 90 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 118309 | 19.886 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 121929 | 19.794 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 125939 | 20.574 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 150795 | 20.165 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 127790 | 20.532 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 64399 | 20.228 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 64106 | 19.588 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 104410 | 19.950 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 15939 | 17.543 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 65511 | 19.817 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 9468 | 18.683 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 35001 | 19.313 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 14415 | 19.774 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 142515 | 20.146 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 38639 | 20.101 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

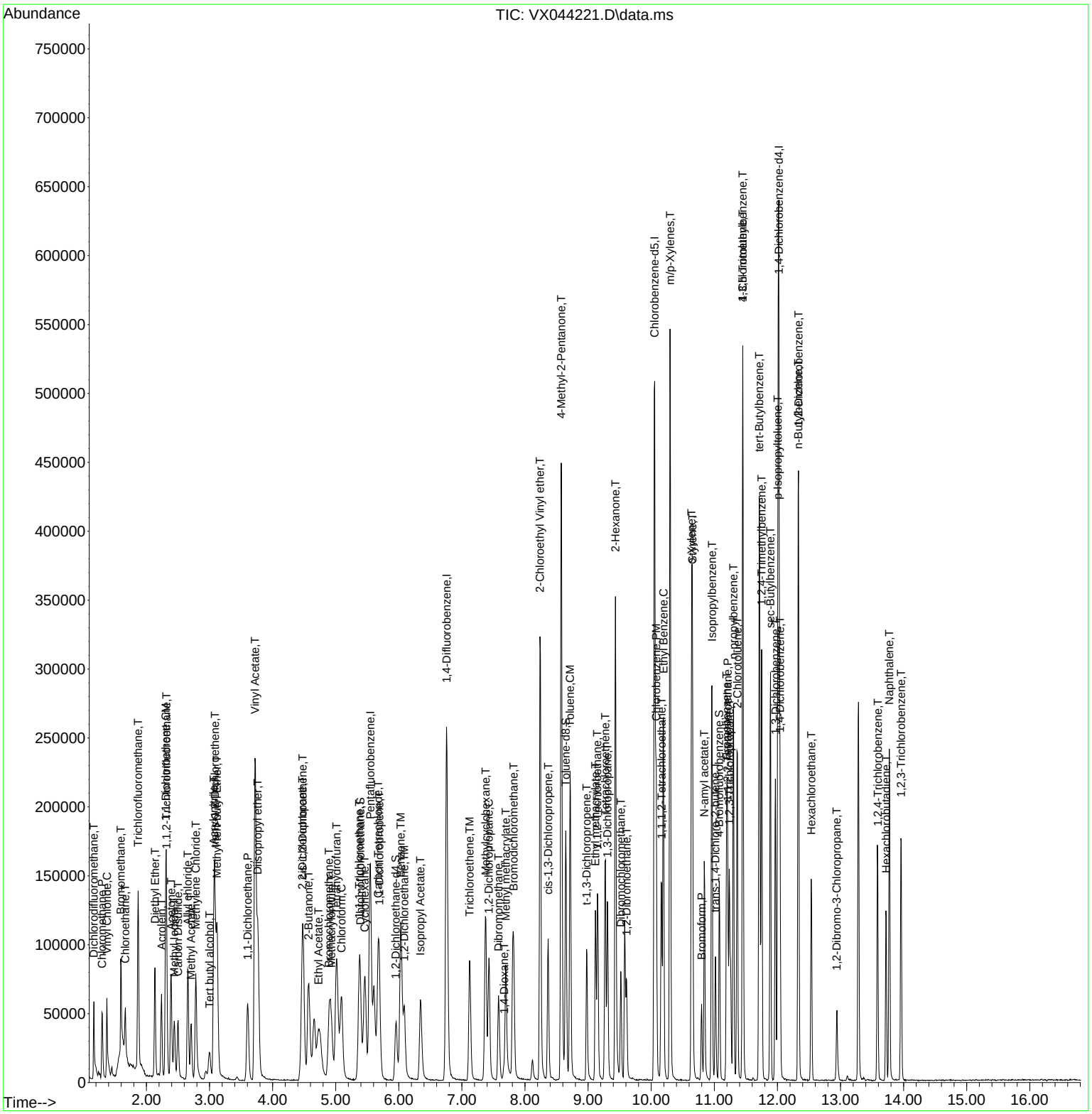
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

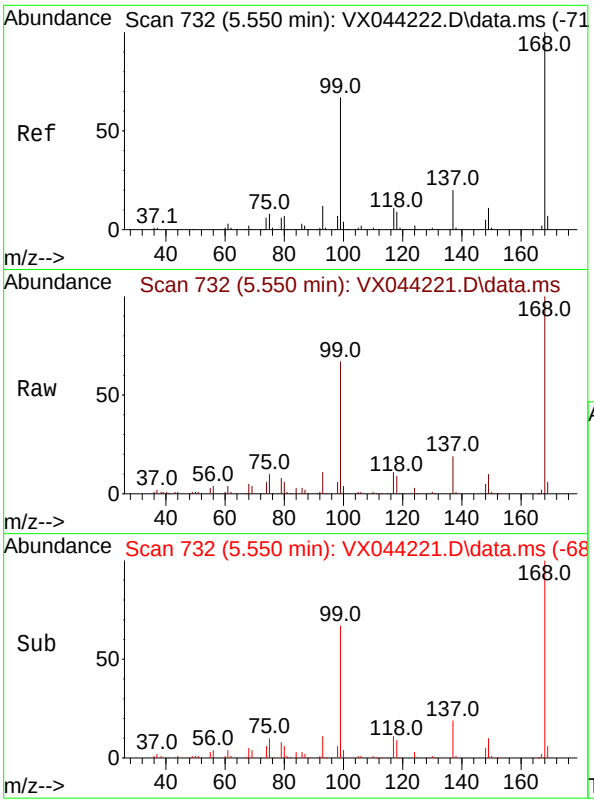
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



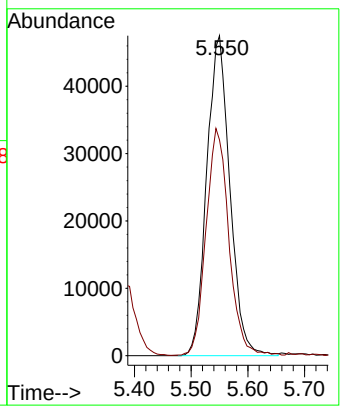


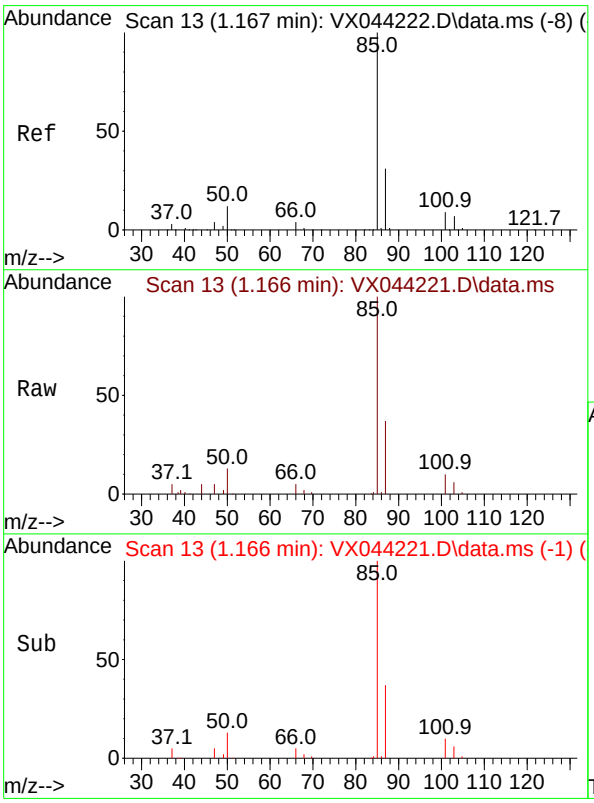

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:168 Resp: 134436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.2 | 53.4 | 80.0 |

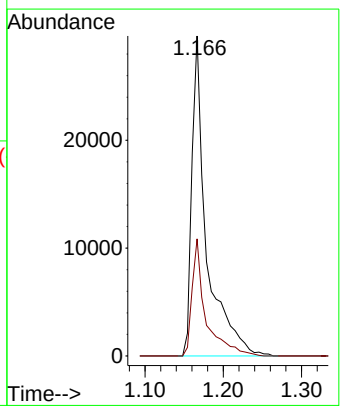


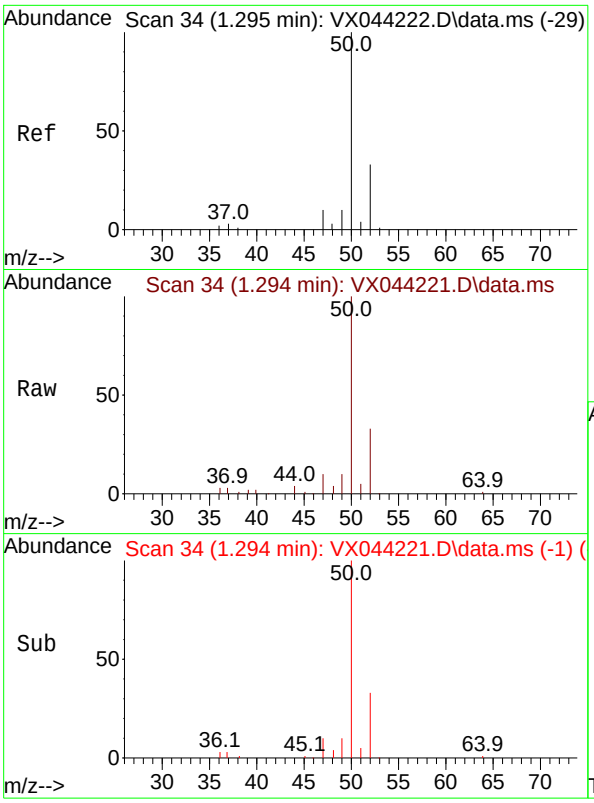




#2
Dichlorodifluoromethane
Concen: 18.640 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 85 Resp: 38748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 36.6 | 15.4 | 46.4 |



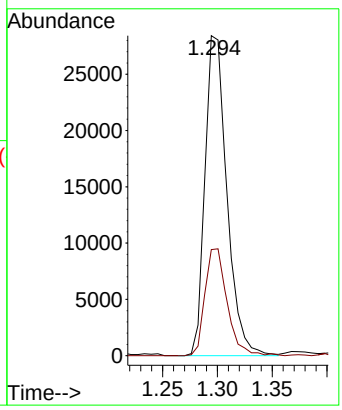


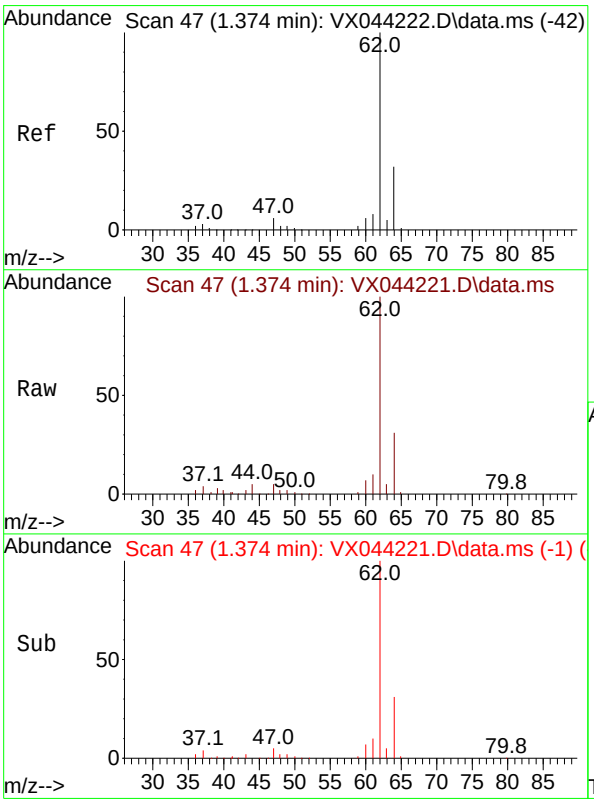

#3
Chloromethane
Concen: 19.894 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 50 Resp: 39546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 26.5 | 39.7 |

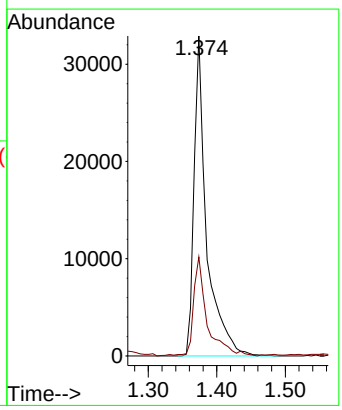


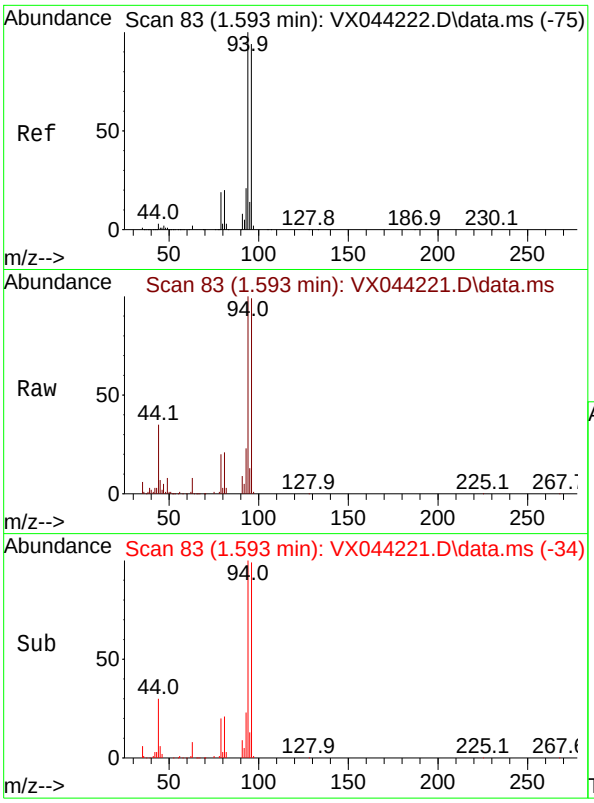




#4
Vinyl Chloride
Concen: 20.304 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 62 Resp: 42048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.6 | 25.7 | 38.5 |



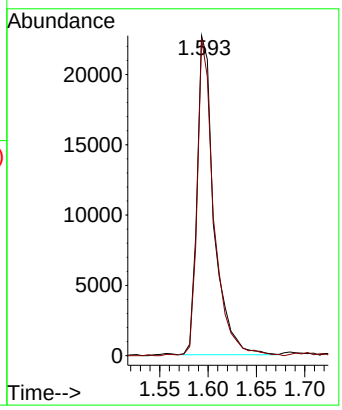


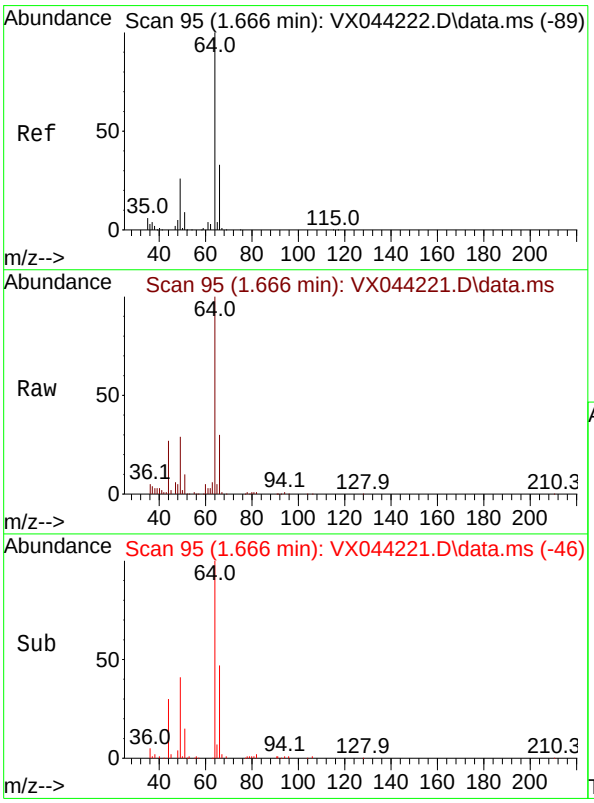

#5
Bromomethane
Concen: 18.789 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 94 Resp: 27604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 99.2 | 74.9 | 112.3 |

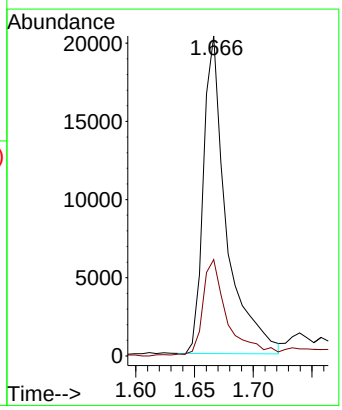


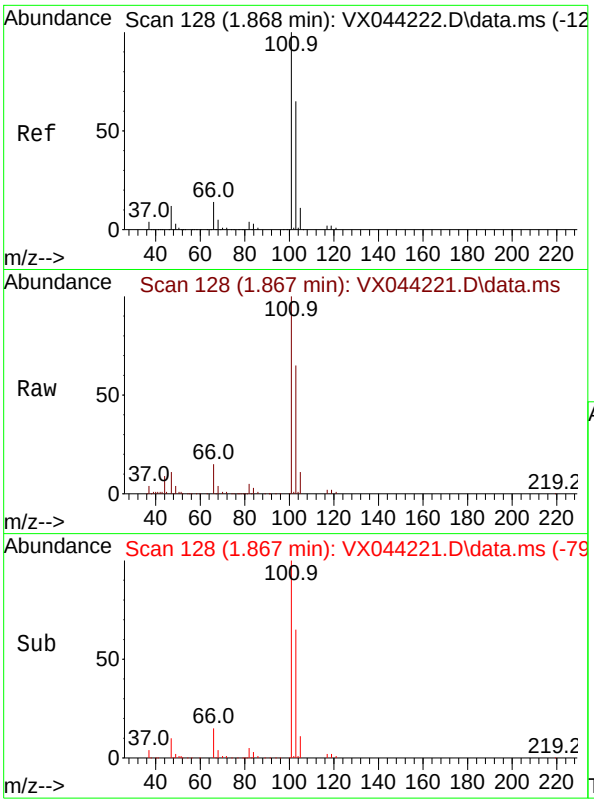




#6
Chloroethane
Concen: 21.460 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 64 Resp: 27673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.8 | 26.6 | 39.8 |



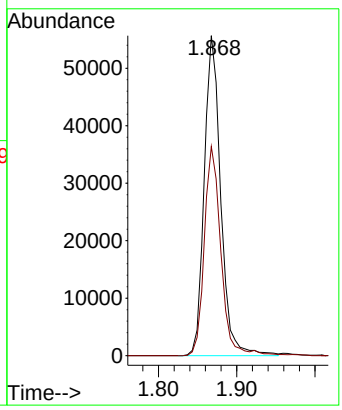


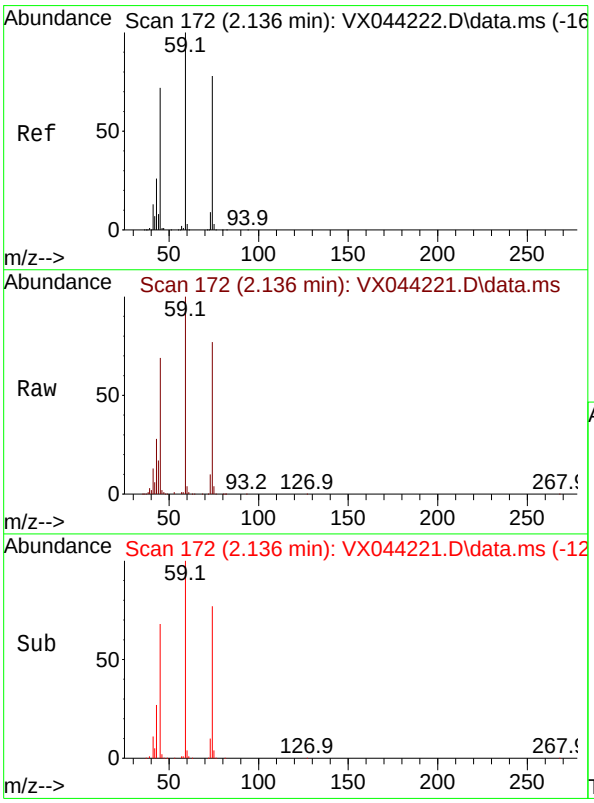

#7
Trichlorofluoromethane
Concen: 20.077 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 81398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 51.8 | 77.8 |

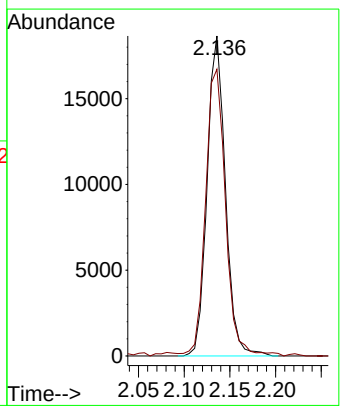


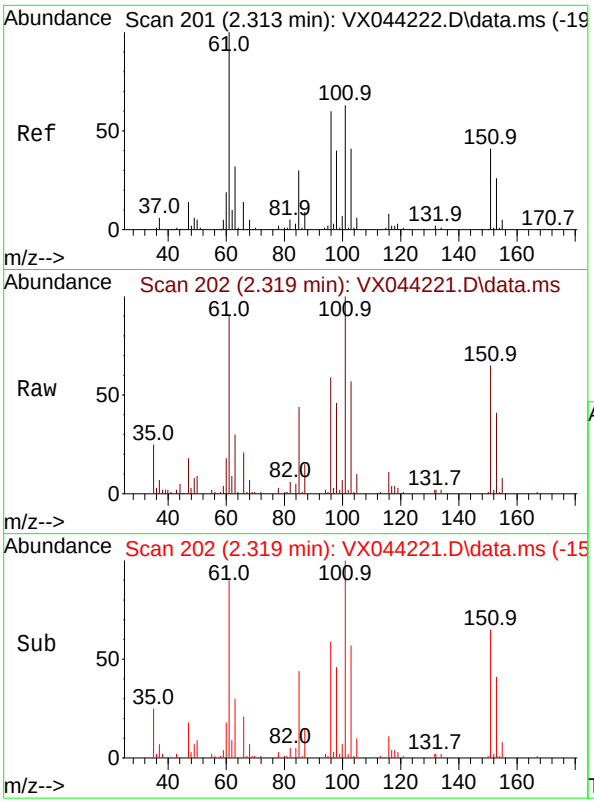




#8
Diethyl Ether
Concen: 18.704 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 74 Resp: 25884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.8 | 48.4 | 145.0 |



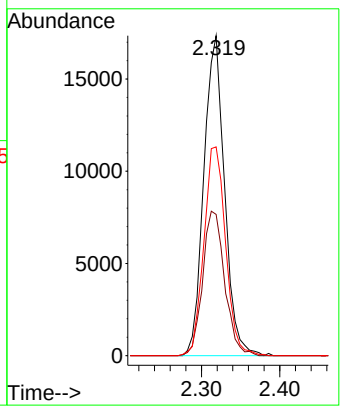


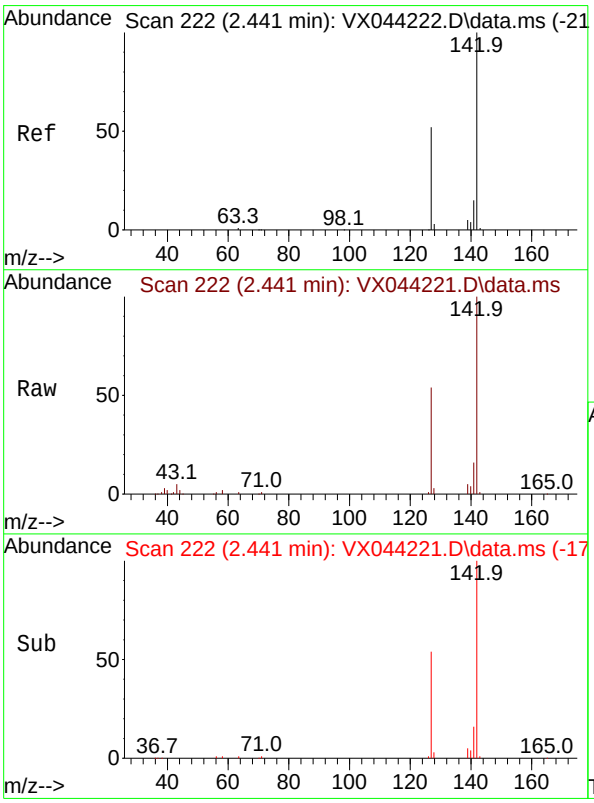

#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.412 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 31846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.0 | 38.5 | 57.7 |
| 151 | 68.6 | 55.8 | 83.6 |

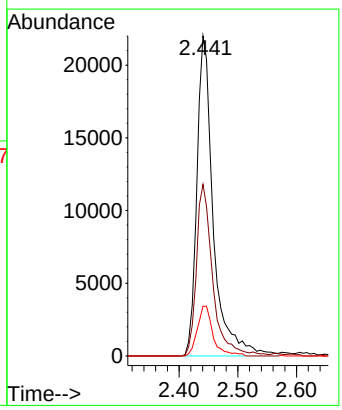


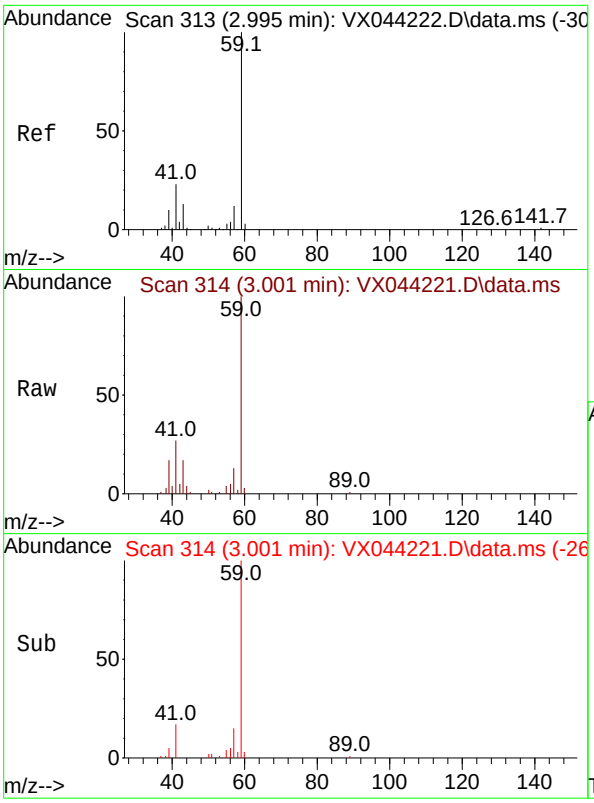




#10
Methyl Iodide
Concen: 19.788 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:142 Resp: 42786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.9 | 41.8 | 62.8 |
| 141 | 14.8 | 11.5 | 17.3 |



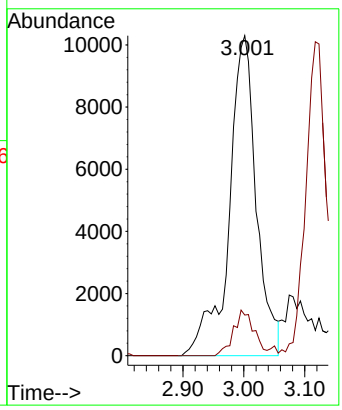


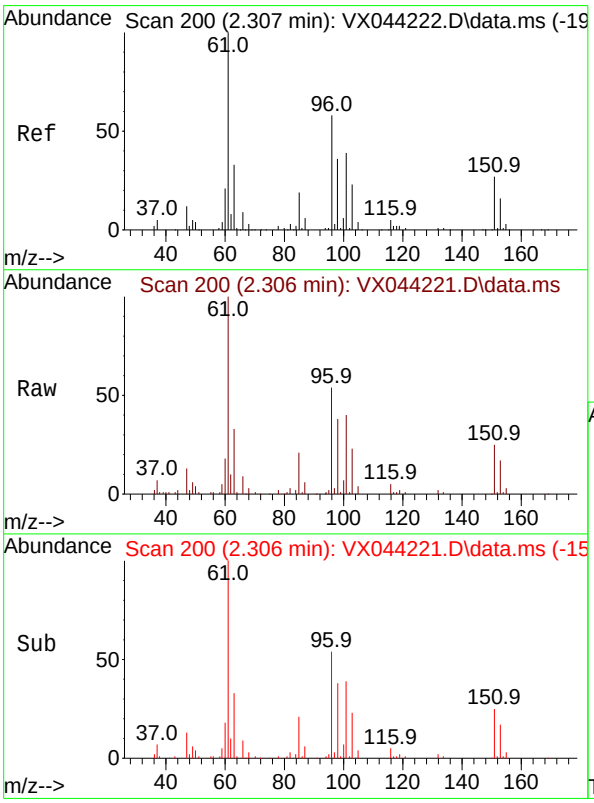

#11
Tert butyl alcohol
Concen: 97.050 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 59 Resp: 32189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.8 | 13.2 |

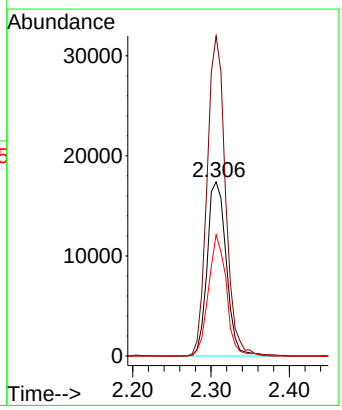


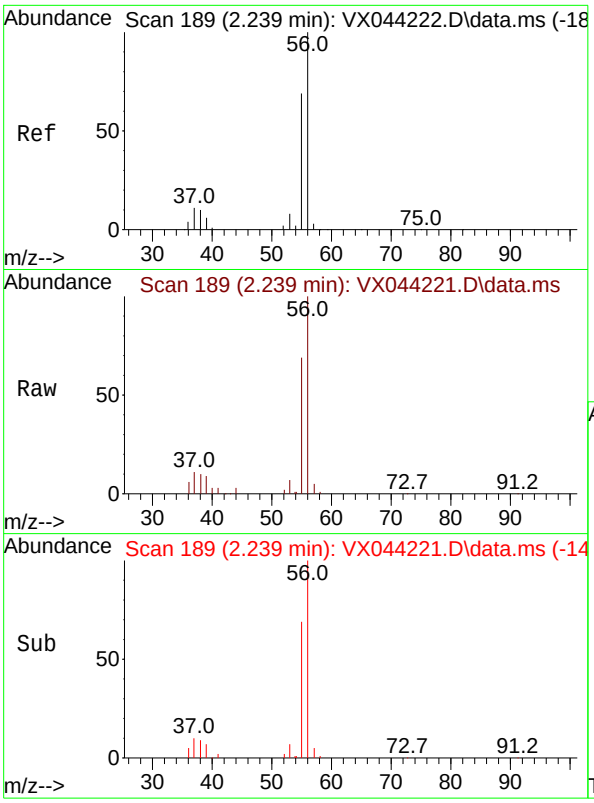




#12
1,1-Dichloroethene
Concen: 19.405 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 96 Resp: 29241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 183.9 | 138.0 | 207.0 |
| 98 | 69.6 | 50.0 | 75.0 |



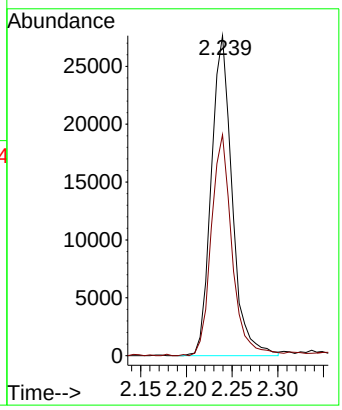


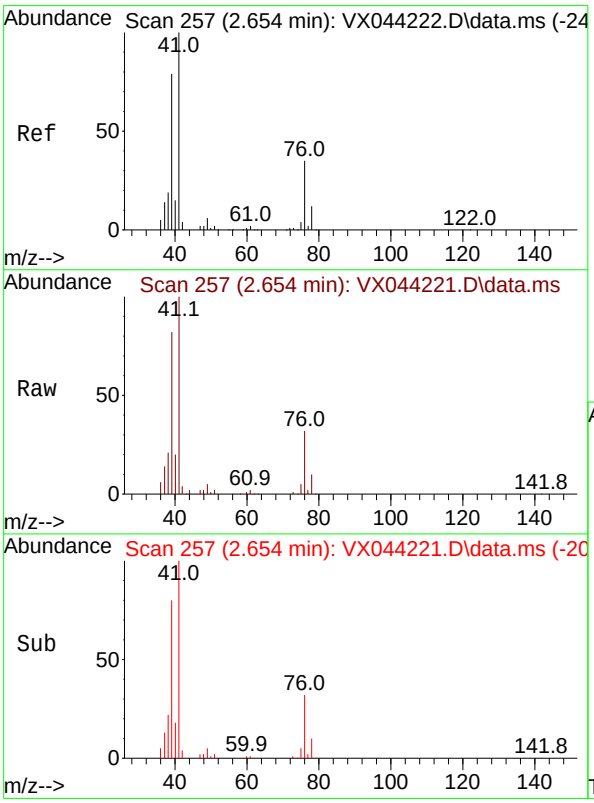

#13
Acrolein
Concen: 91.311 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 43909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.6 | 56.6 | 84.8 |

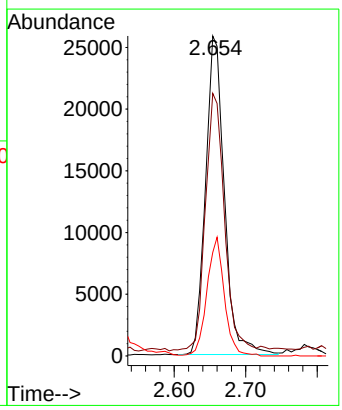


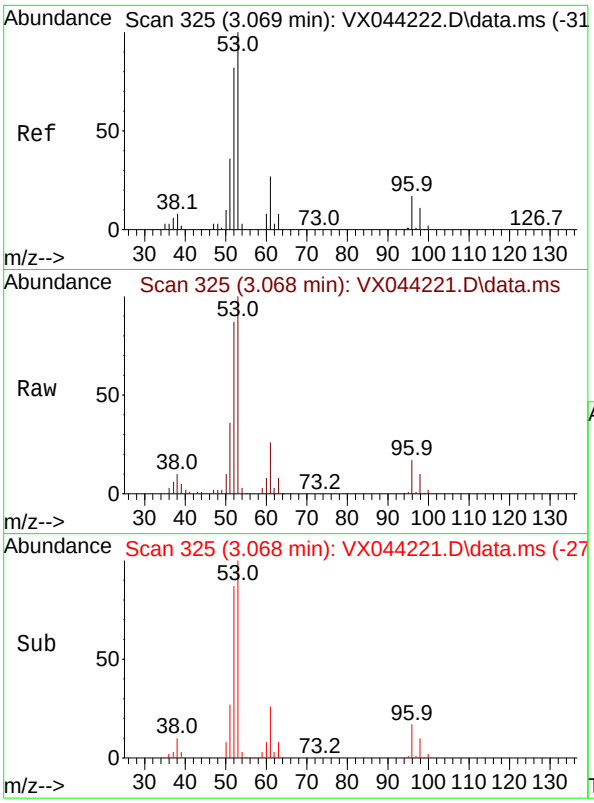




#14
Allyl chloride
Concen: 18.813 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 47218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 80.4 | 61.9 | 92.9 |
| 76 | 34.5 | 27.4 | 41.2 |



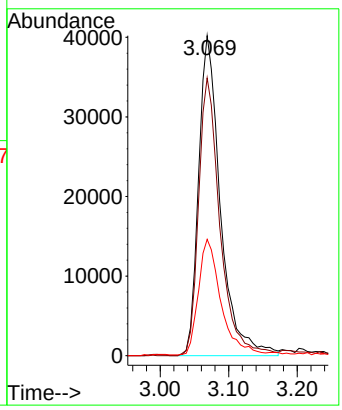


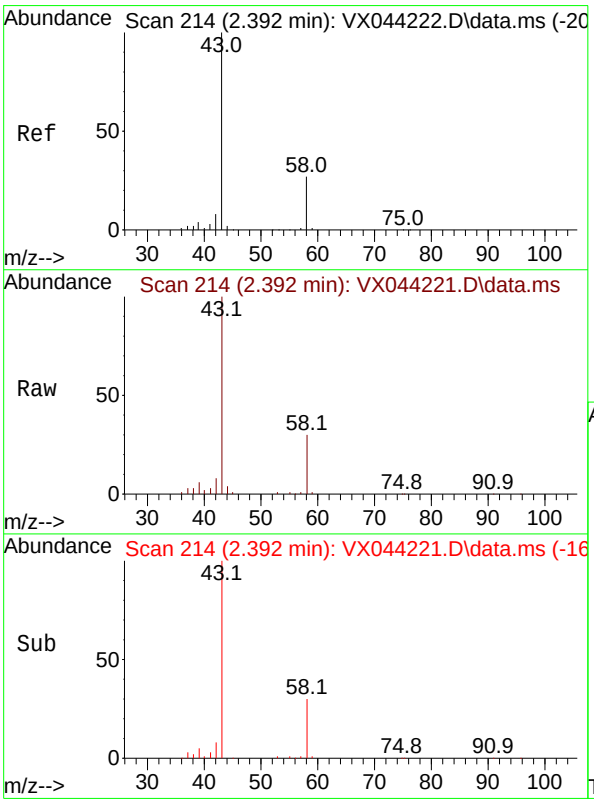

#15
Acrylonitrile
Concen: 96.988 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 53 Resp: 89249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.1 | 67.4 | 101.0 |
| 51 | 37.1 | 30.3 | 45.5 |

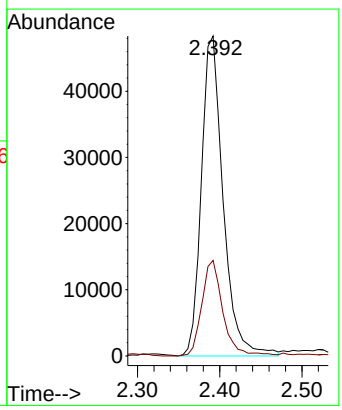


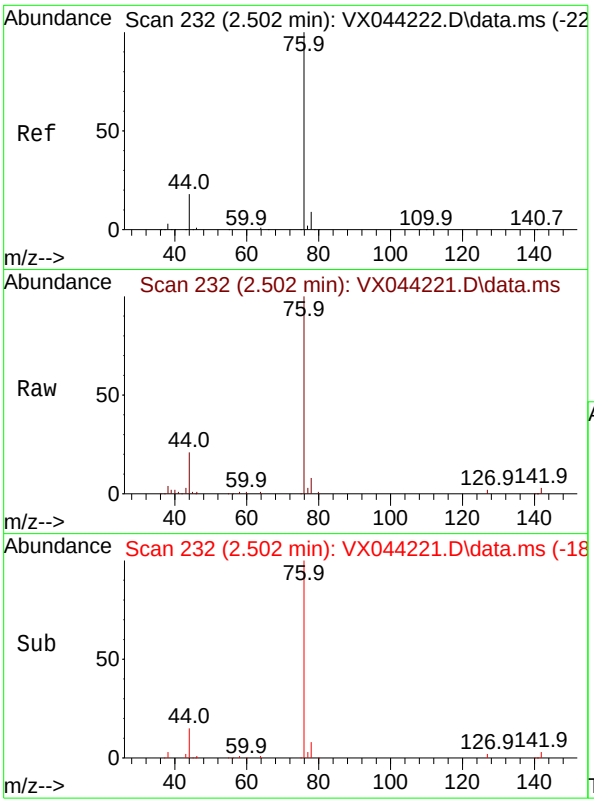




#16
Acetone
Concen: 92.601 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 88985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 21.6 | 32.4 |



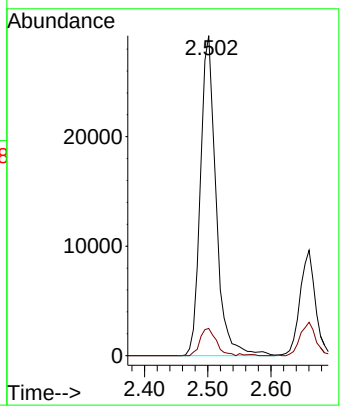


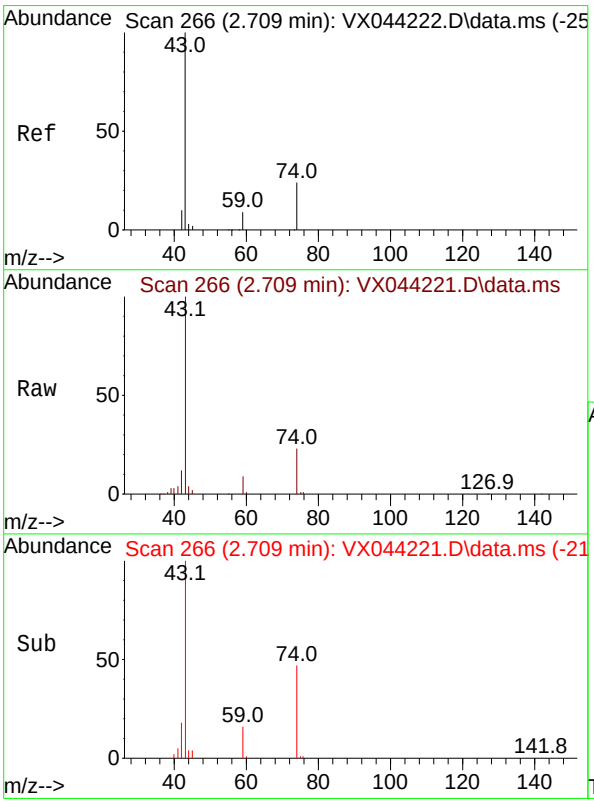

#17
Carbon Disulfide
Concen: 17.595 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 50399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.4 | 11.0 |

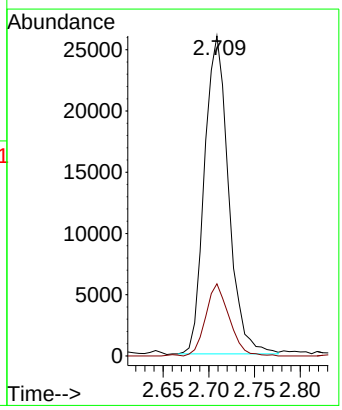


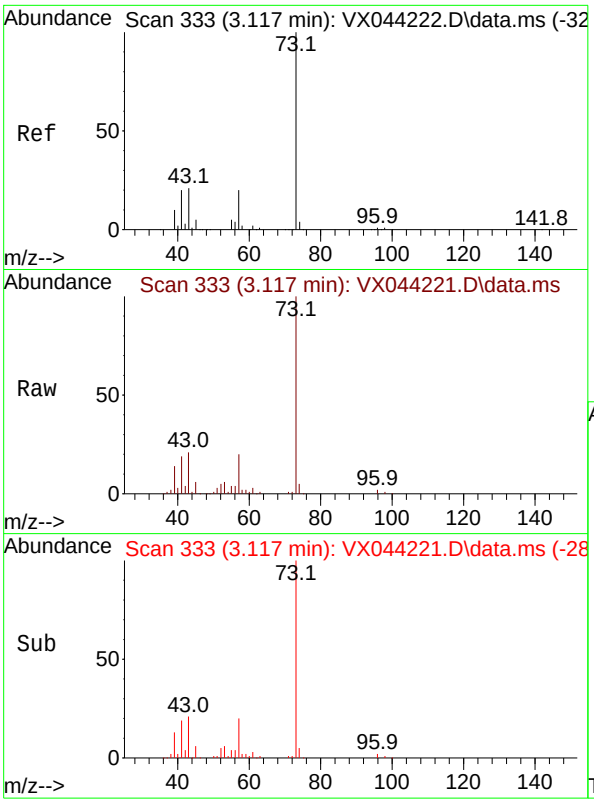




#18
Methyl Acetate
Concen: 19.175 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 47509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.2 | 17.7 | 26.5 |



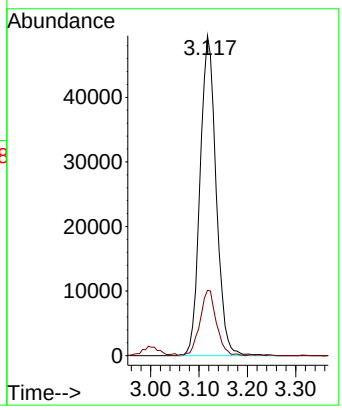


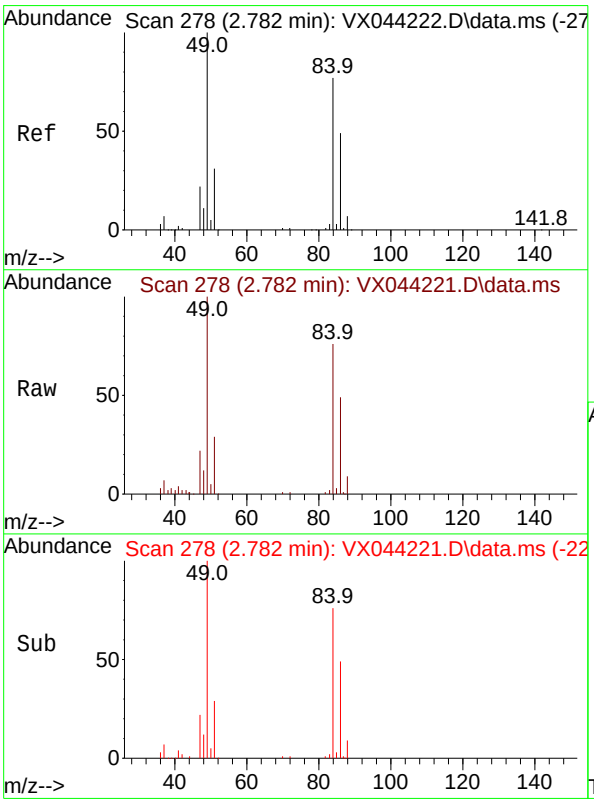

#19
Methyl tert-butyl Ether
Concen: 19.450 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 73 Resp: 114371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.4 | 16.2 | 24.4 |

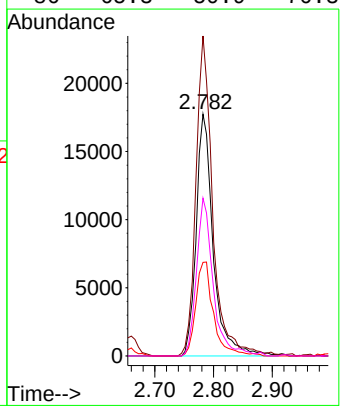


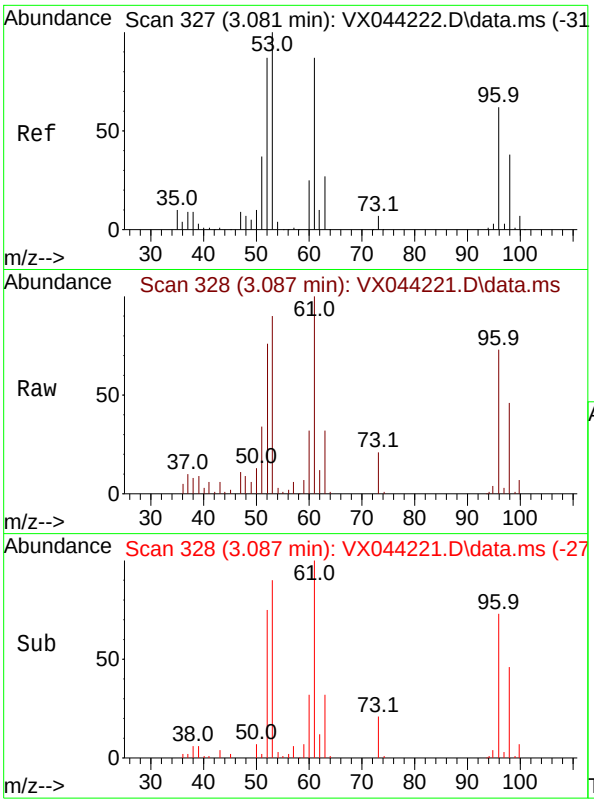




#20
Methylene Chloride
Concen: 19.846 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 84 Resp: 35820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 132.3 | 104.2 | 156.4 |
| 51 | 38.7 | 32.2 | 48.4 |
| 86 | 65.3 | 50.9 | 76.3 |



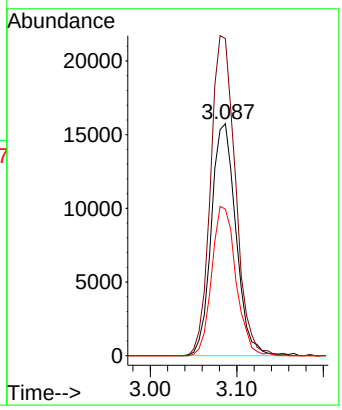


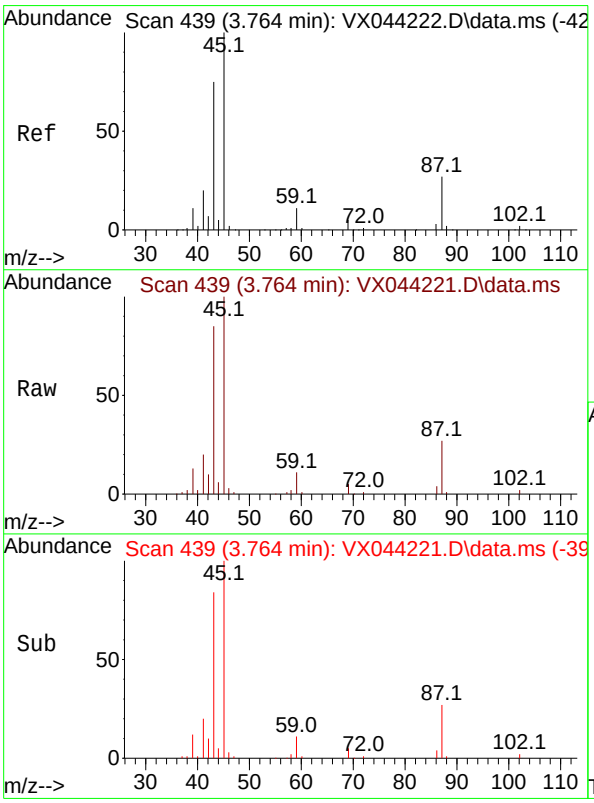

#21
trans-1,2-Dichloroethene
Concen: 19.380 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 31036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.8 | 112.0 | 168.0 |
| 98 | 63.2 | 48.8 | 73.2 |

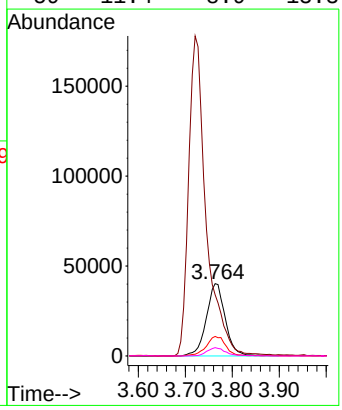


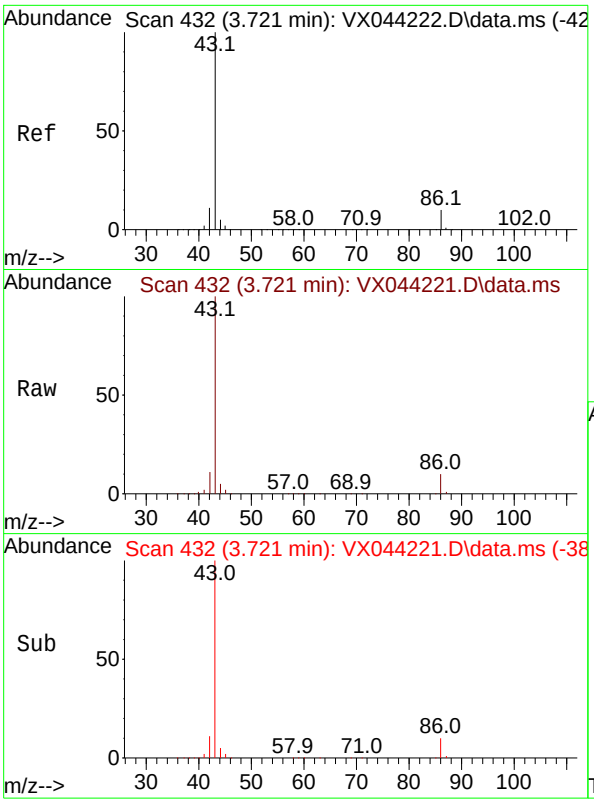




#22
Diisopropyl ether
Concen: 19.907 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 45 Resp: 112511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 82.8 | 60.2 | 90.2 |
| 87 | 27.1 | 21.2 | 31.8 |
| 59 | 11.4 | 8.9 | 13.3 |



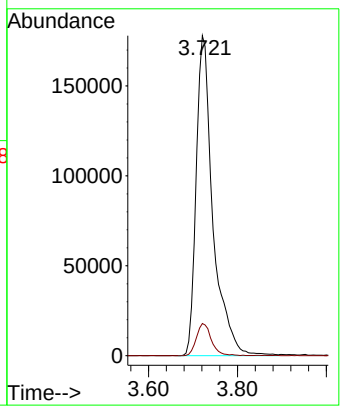


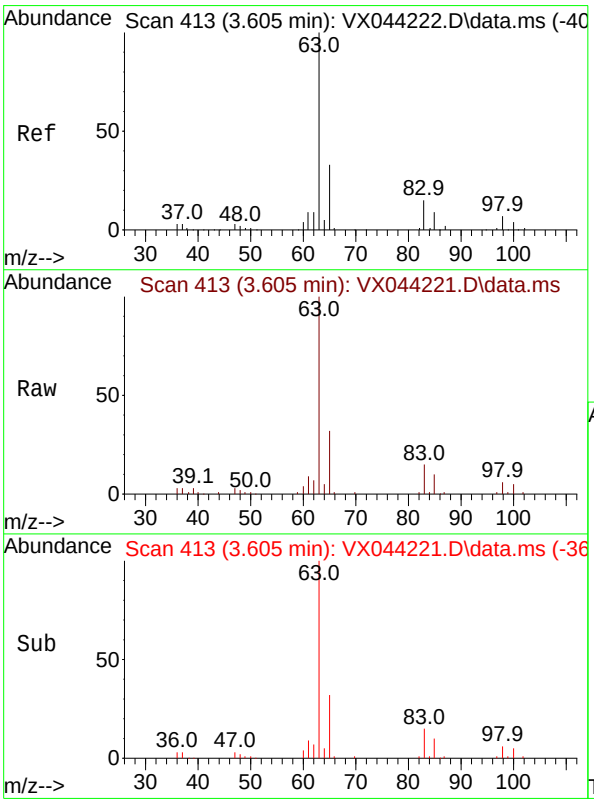

#23
Vinyl Acetate
Concen: 101.354 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 465716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 8.2 | 12.2 |

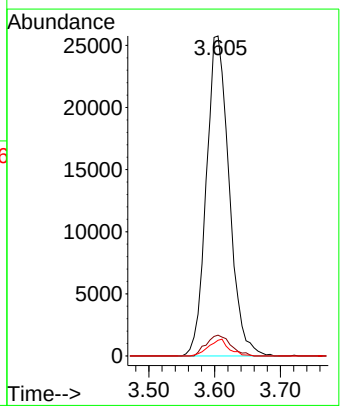


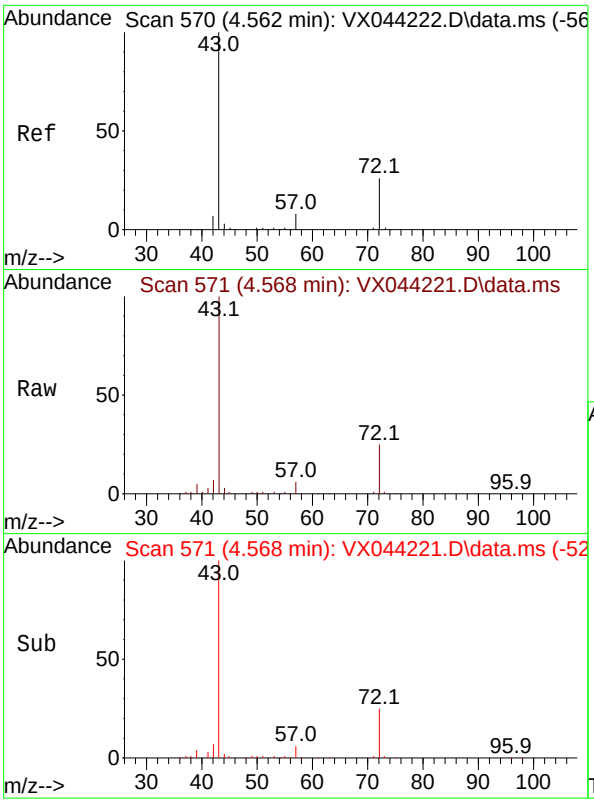




#24
1,1-Dichloroethane
Concen: 19.699 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 63 Resp: 62059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.5 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |



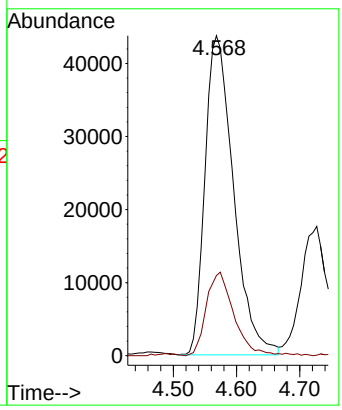


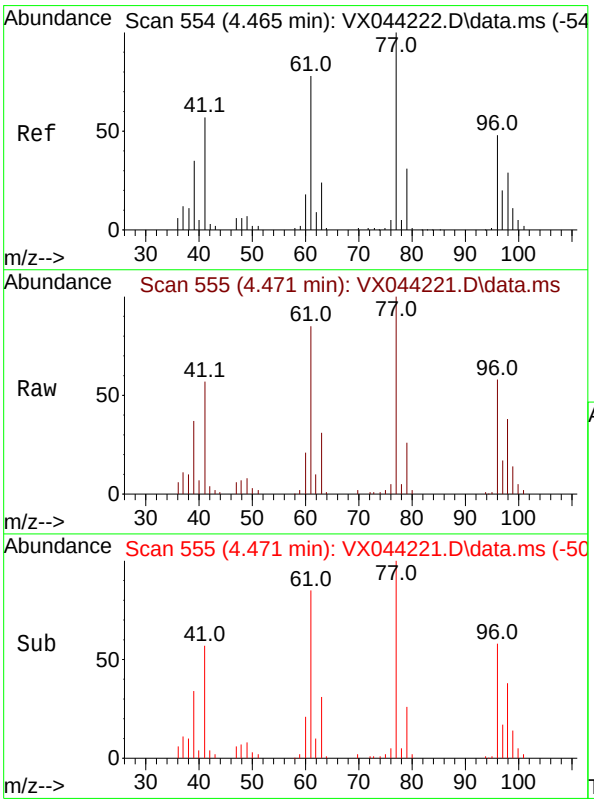

#25
2-Butanone
Concen: 100.277 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 136992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 20.2 | 30.4 |

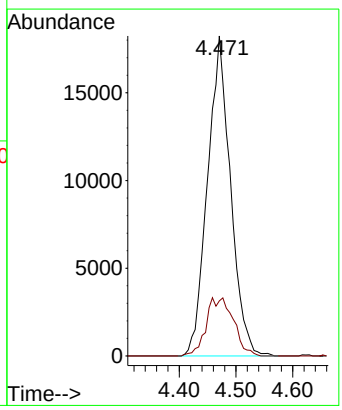


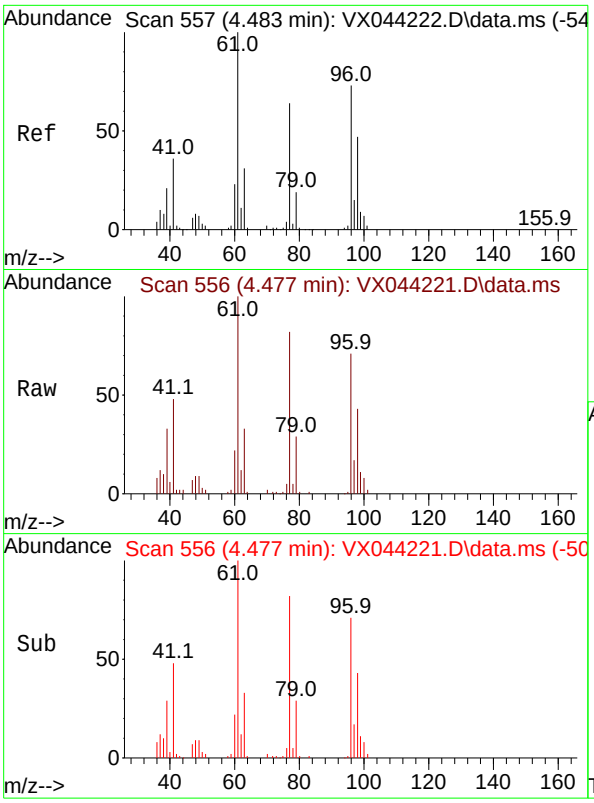




#26
2,2-Dichloropropane
Concen: 20.095 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 77 Resp: 51431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 9.1 | 10.7 | 32.1# |



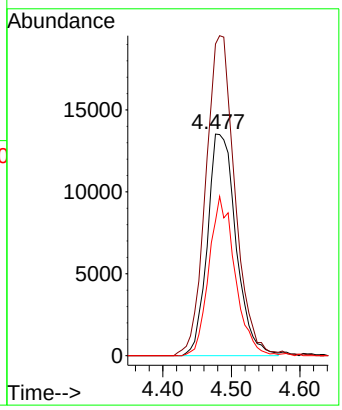


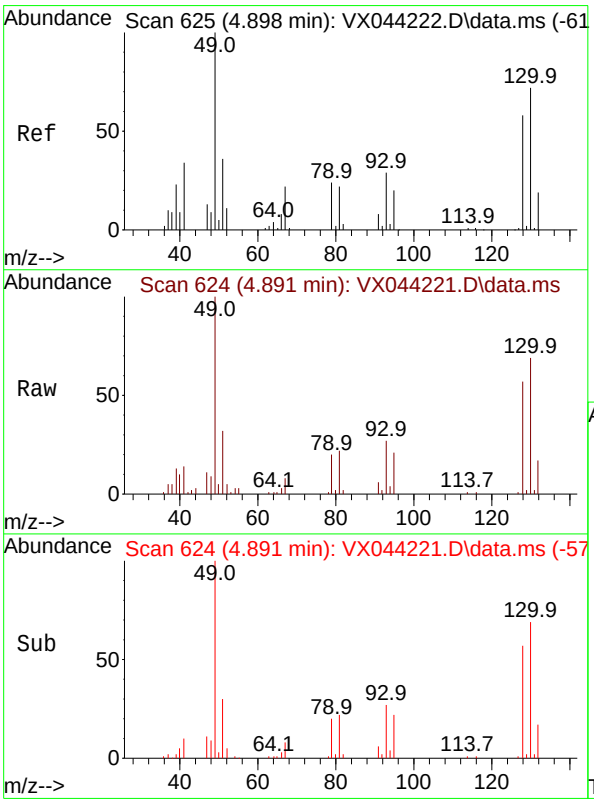

#27
cis-1,2-Dichloroethene
Concen: 19.254 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 39161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.6 | 0.0 | 299.0 |
| 98 | 65.5 | 0.0 | 129.0 |

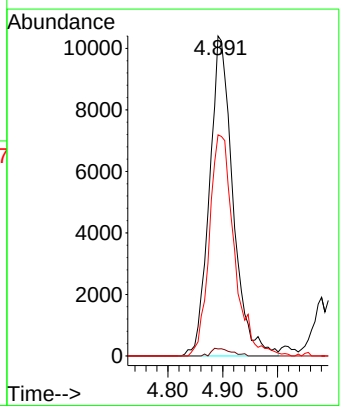


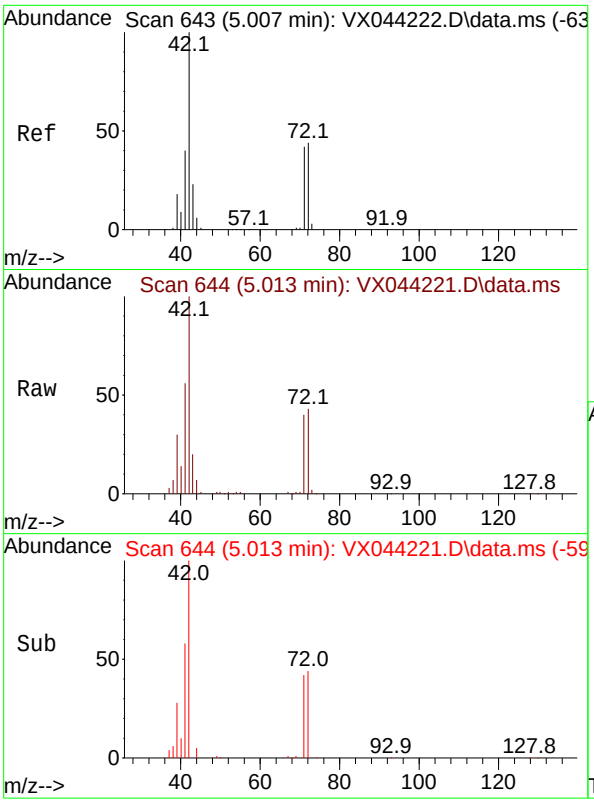




#28
Bromochloromethane
Concen: 20.052 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 49 Resp: 30977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.2 |
| 130 | 73.1 | 62.1 | 93.1 |



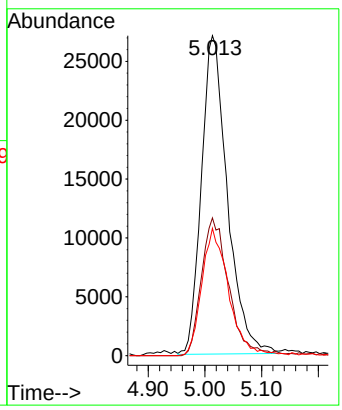


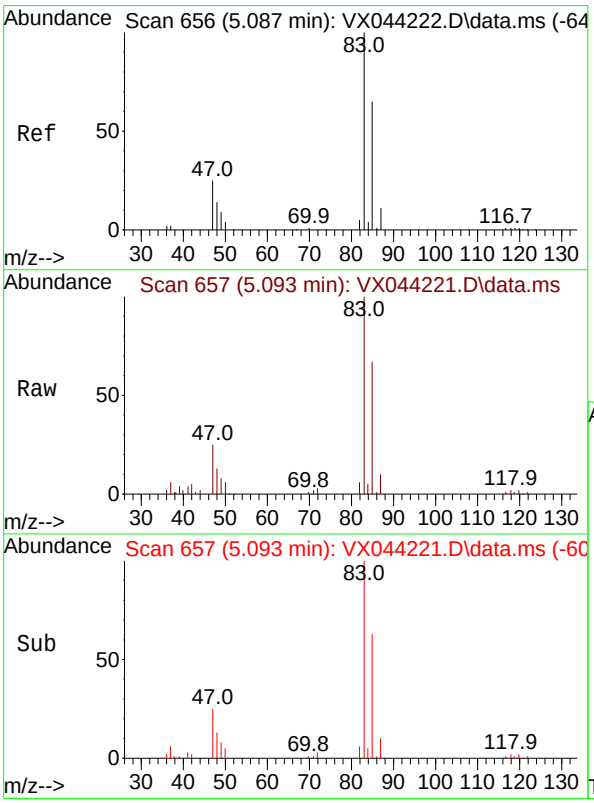

#29
Tetrahydrofuran
Concen: 98.343 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 42 Resp: 86235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.2 | 37.0 | 55.6 |
| 71 | 41.1 | 33.6 | 50.4 |

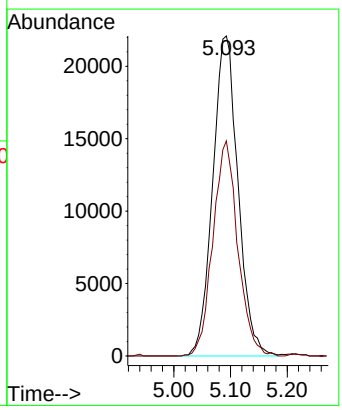


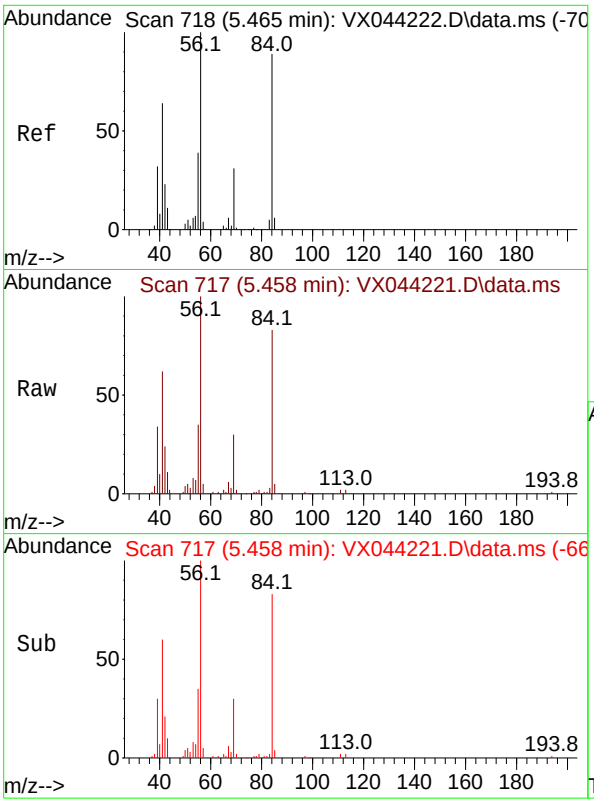




#30
Chloroform
Concen: 19.327 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 68410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.2 | 51.6 | 77.4 |



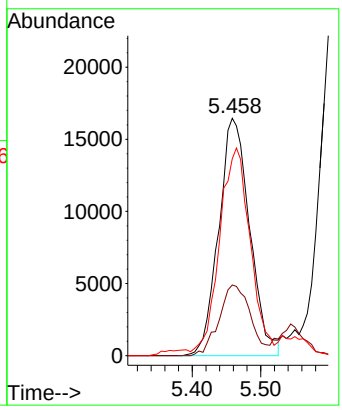


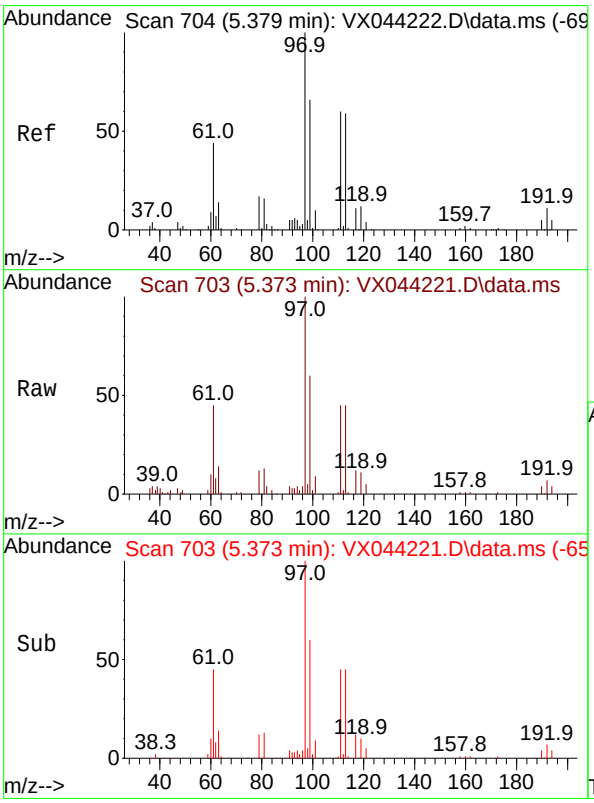

#31
Cyclohexane
Concen: 20.351 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 51773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.8 | 24.7 | 37.1 |
| 84 | 80.7 | 71.0 | 106.6 |

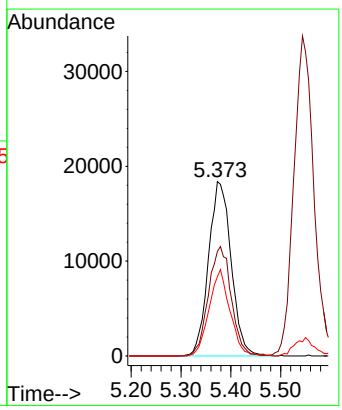


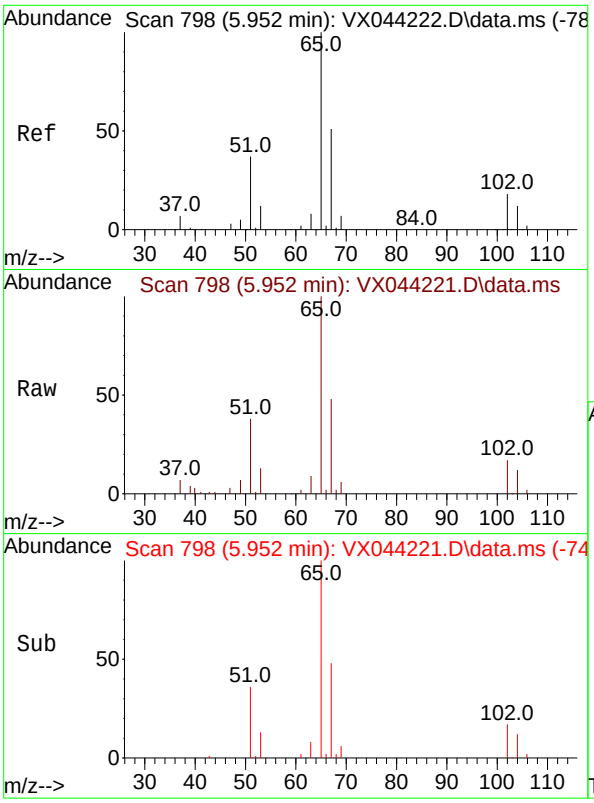




#32
1,1,1-Trichloroethane
Concen: 19.706 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 97 Resp: 57900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 50.8 | 76.2 |
| 61 | 45.7 | 35.2 | 52.8 |



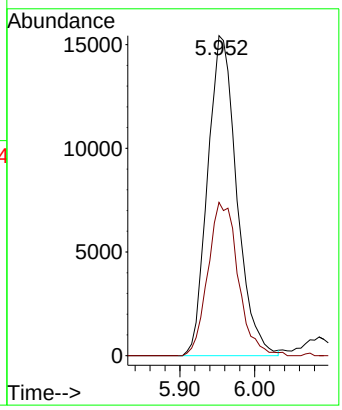


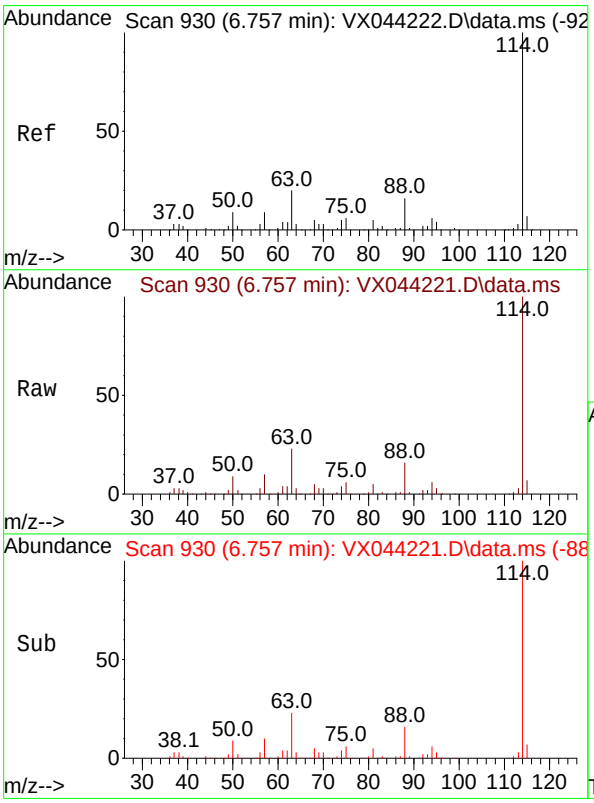

#33
1,2-Dichloroethane-d4
Concen: 17.743 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 65 Resp: 41821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.6 | 0.0 | 101.6 |

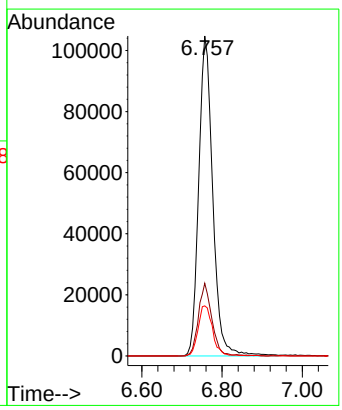


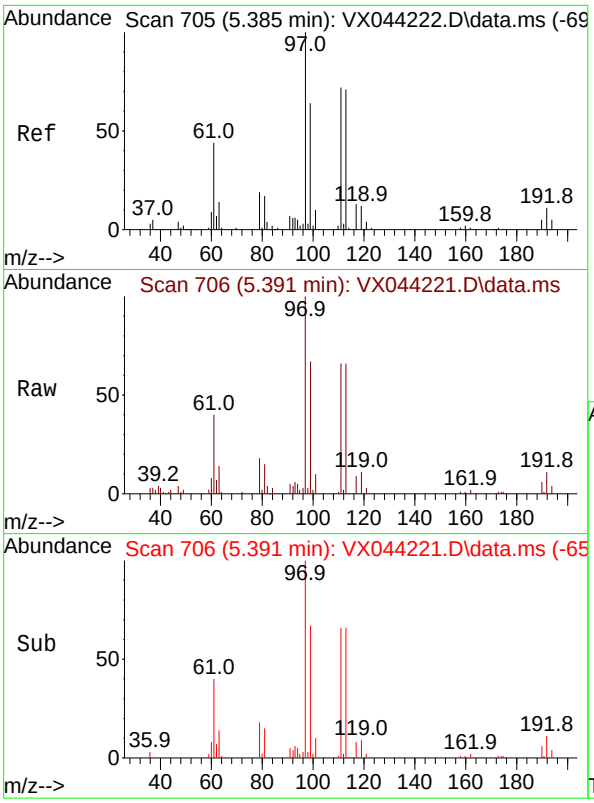




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:114 Resp: 254199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.7 | 0.0 | 40.6 |
| 88 | 15.7 | 0.0 | 31.8 |



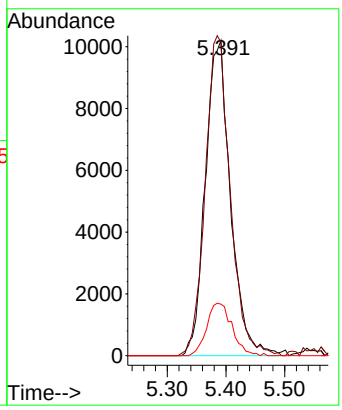


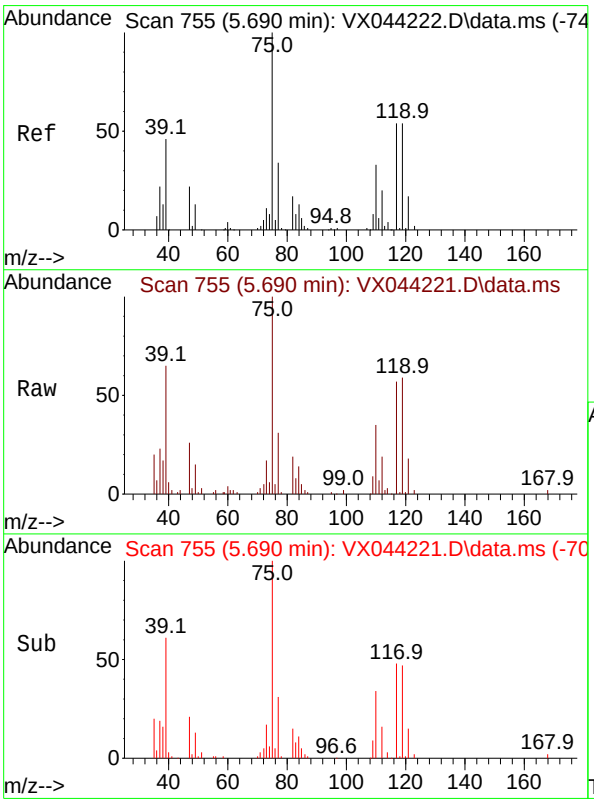

#35
Dibromofluoromethane
Concen: 17.213 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:113 Resp: 30304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.9 | 80.4 | 120.6 |
| 192 | 16.7 | 13.3 | 19.9 |

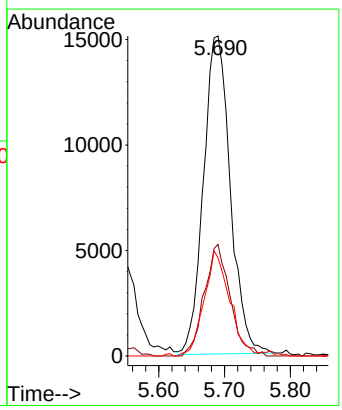


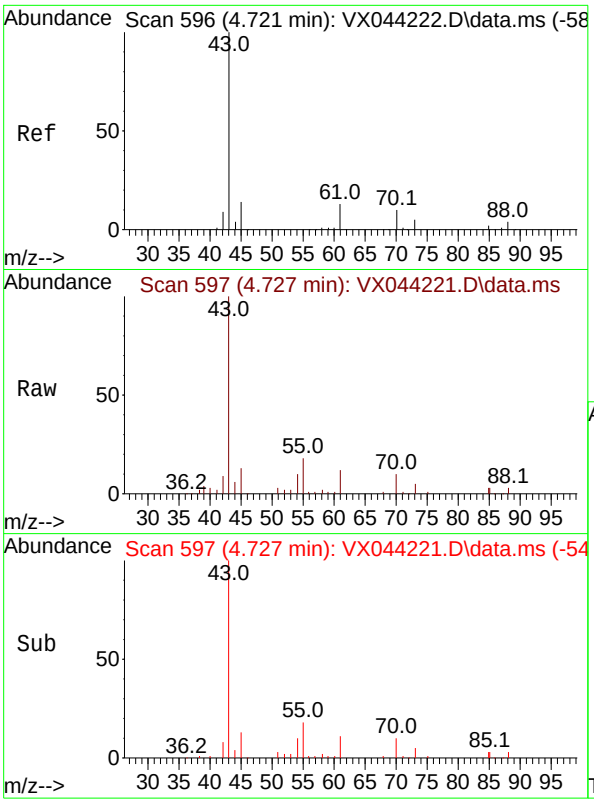




#36
1,1-Dichloropropene
Concen: 18.841 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 42878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 17.3 | 51.7 |
| 77 | 31.3 | 25.4 | 38.0 |



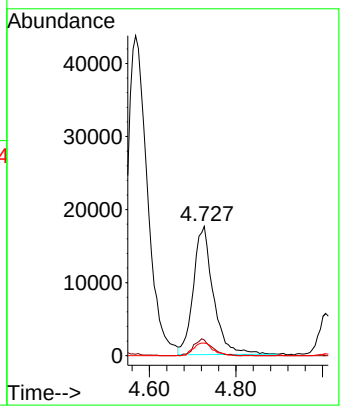


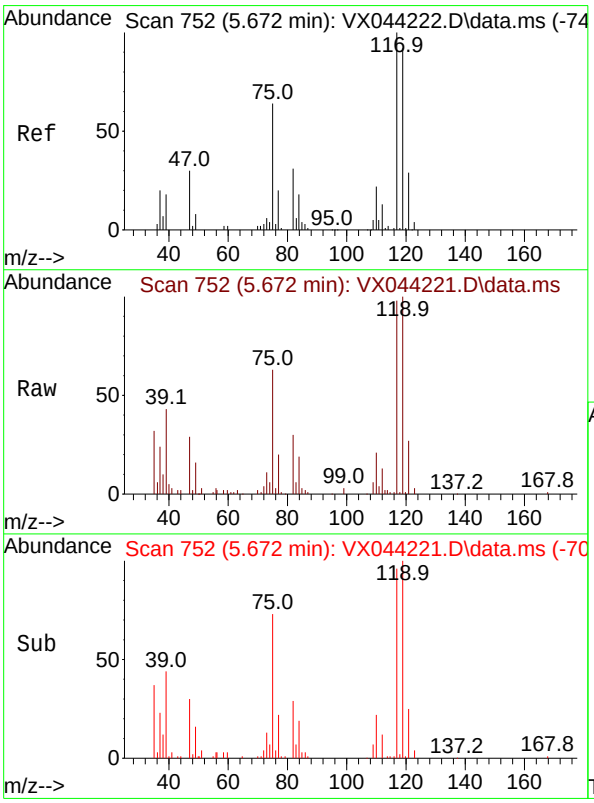

#37
Ethyl Acetate
Concen: 19.913 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 56019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.8 | 9.8 | 14.8 |
| 70 | 9.9 | 7.7 | 11.5 |

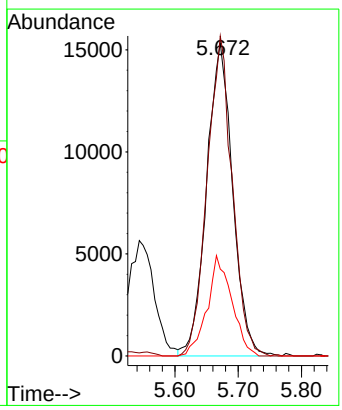


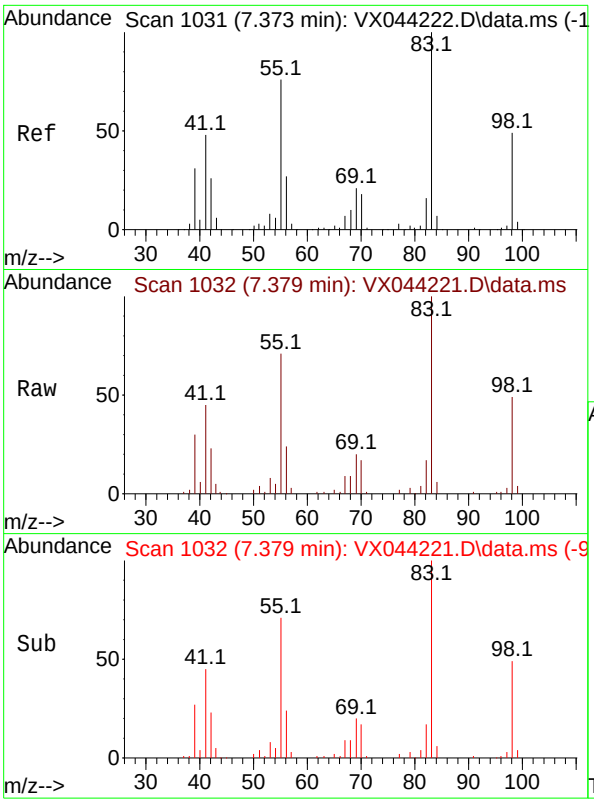




#38
Carbon Tetrachloride
Concen: 17.918 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 43901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 102.3 | 74.2 | 111.4 |
| 121 | 27.8 | 23.0 | 34.6 |



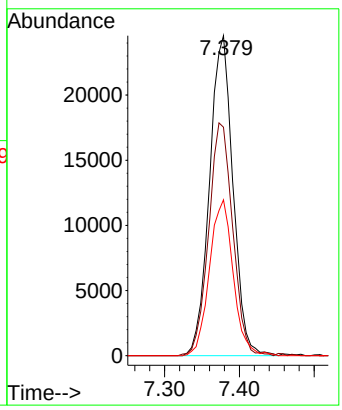


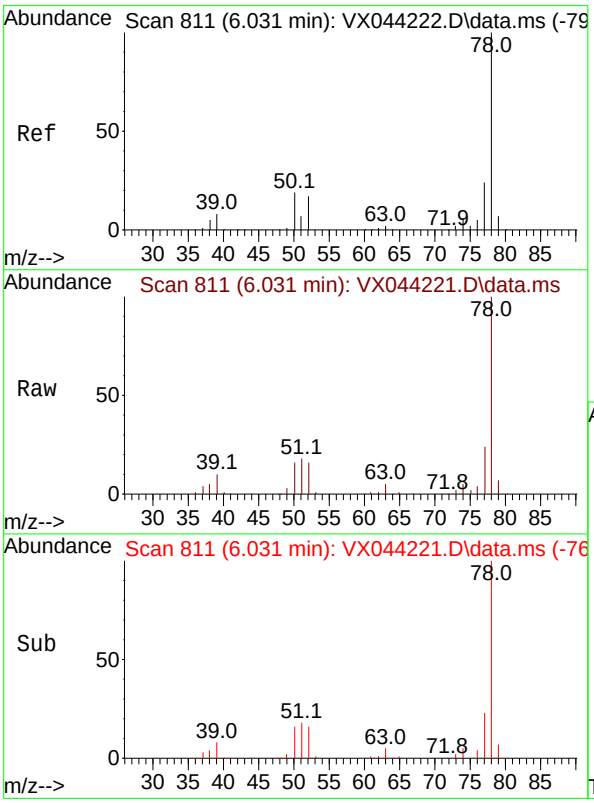

#39
Methylcyclohexane
Concen: 19.678 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 53536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.4 | 60.7 | 91.1 |
| 98 | 48.7 | 38.9 | 58.3 |

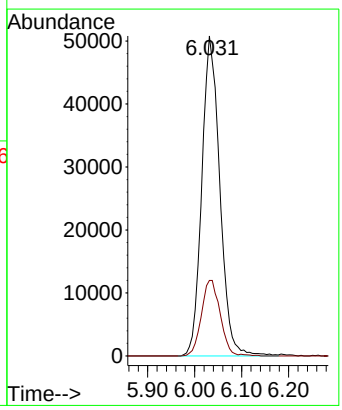


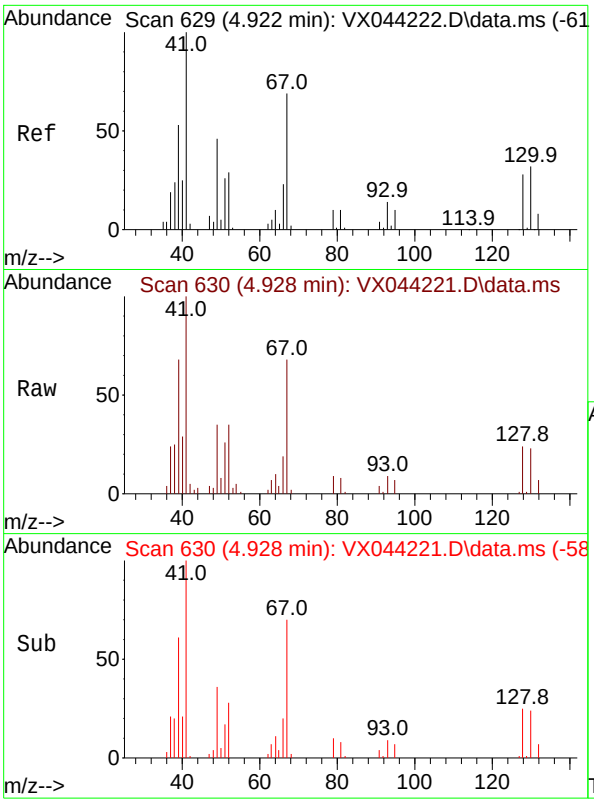




#40
Benzene
Concen: 19.606 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 78 Resp: 135467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.6 | 19.3 | 28.9 |



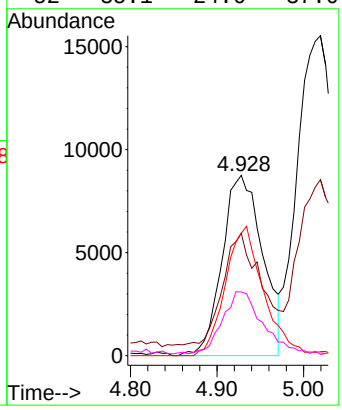


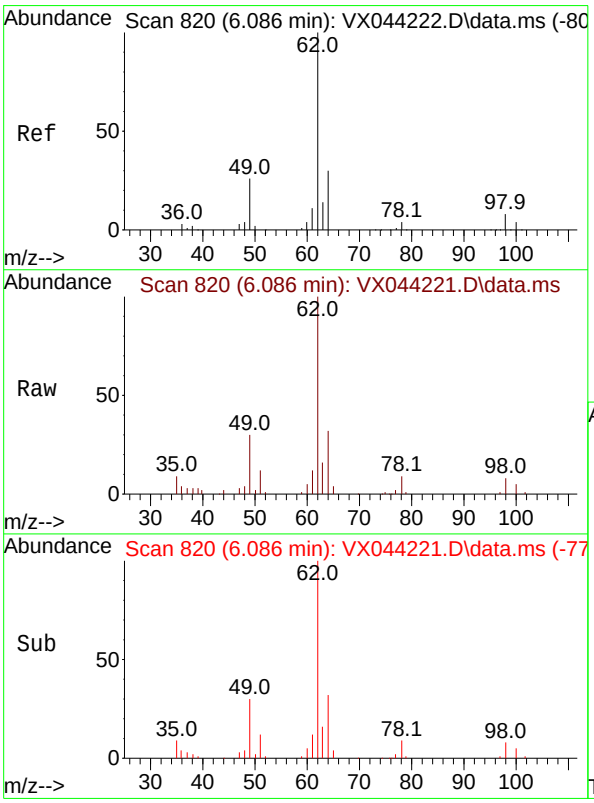

#41
Methacrylonitrile
Concen: 19.095 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 41 Resp: 28523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.0 | 44.2 | 66.4 |
| 67 | 67.6 | 57.2 | 85.8 |
| 52 | 35.1 | 24.6 | 37.0 |

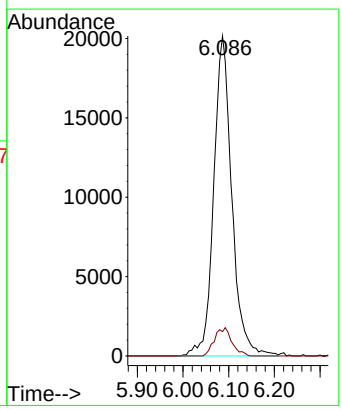


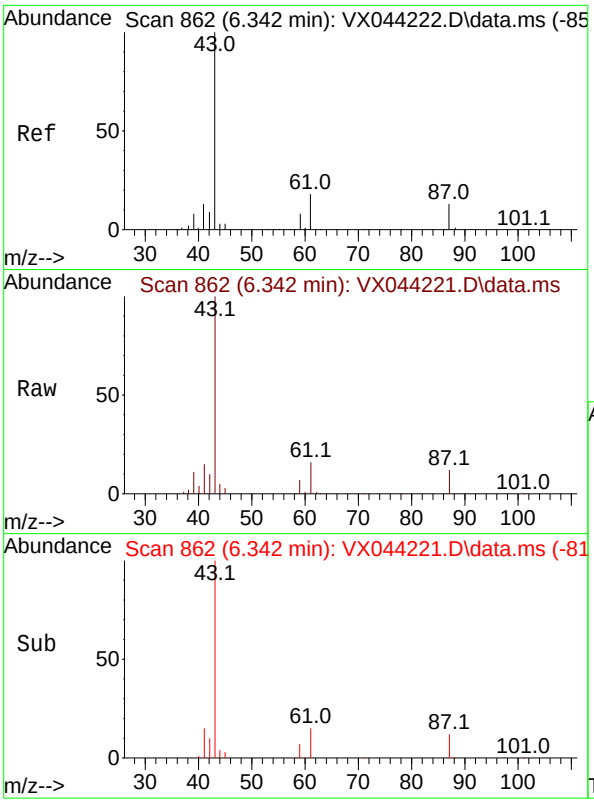




#42
1,2-Dichloroethane
Concen: 19.456 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 62 Resp: 55377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.5 | 0.0 | 15.8 |



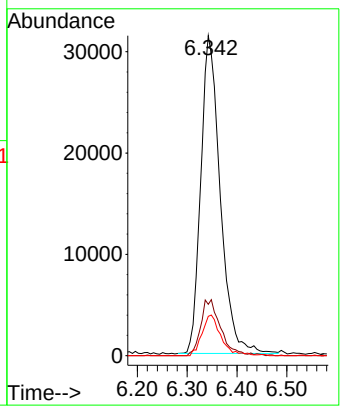


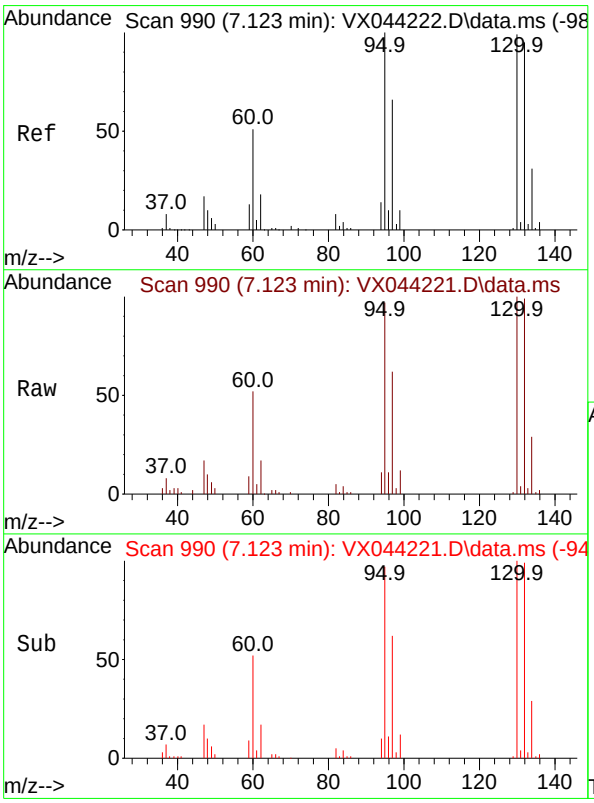

#43
Isopropyl Acetate
Concen: 19.301 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 84866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.7 | 14.2 | 21.2 |
| 87 | 12.5 | 10.2 | 15.2 |

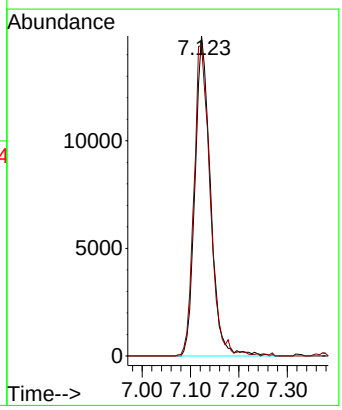


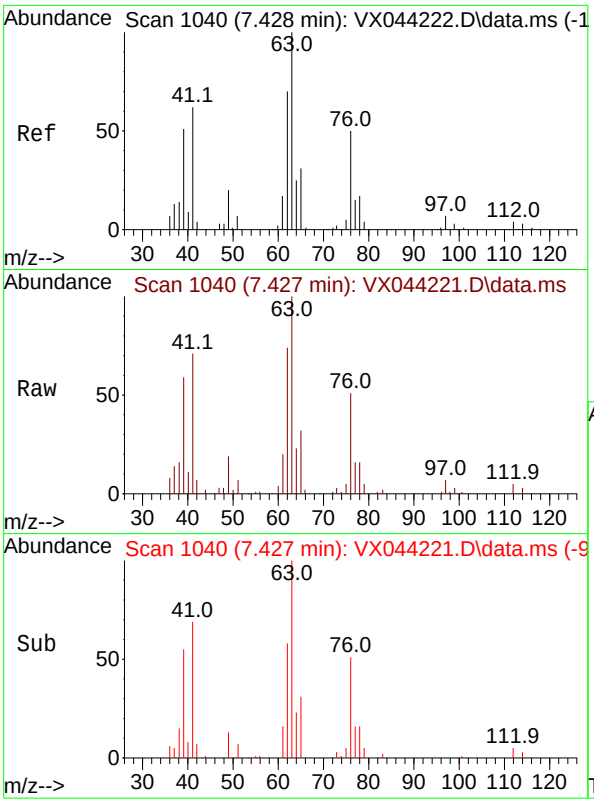




#44
Trichloroethene
Concen: 19.149 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:130 Resp: 32995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.1 | 0.0 | 201.4 |



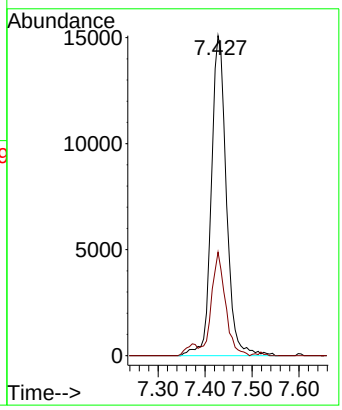


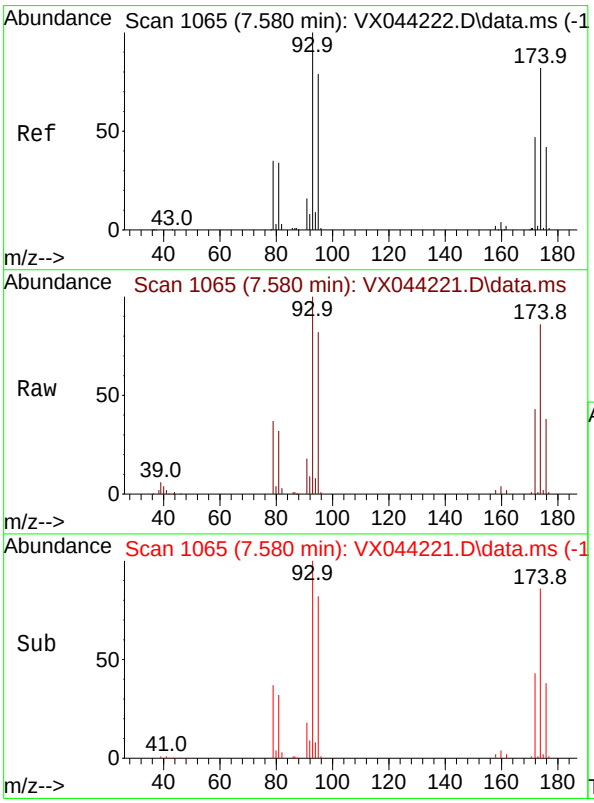

#45
1,2-Dichloropropane
Concen: 19.025 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 63 Resp: 33585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.4 | 24.6 | 37.0 |

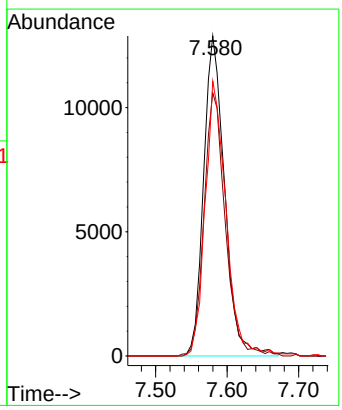


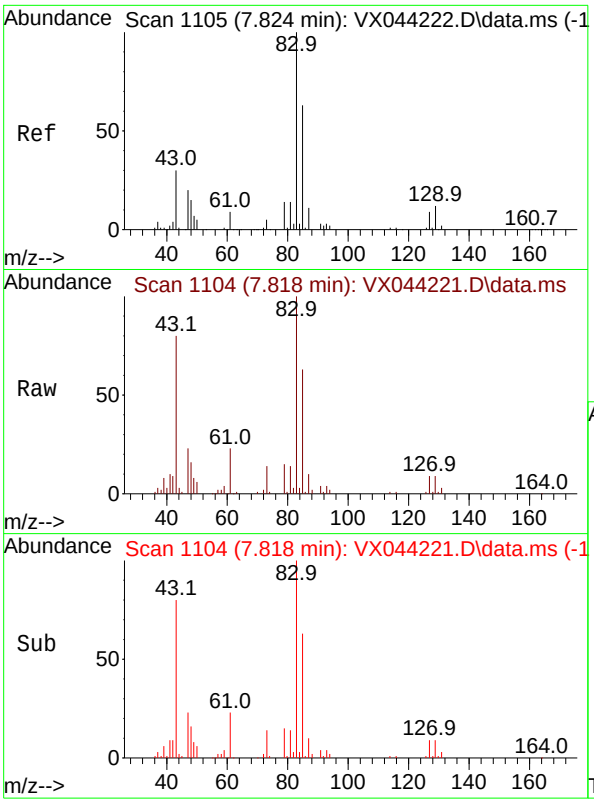




#46
Dibromomethane
Concen: 19.199 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 93 Resp: 26293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 65.4 | 98.2 |
| 174 | 86.1 | 67.9 | 101.9 |



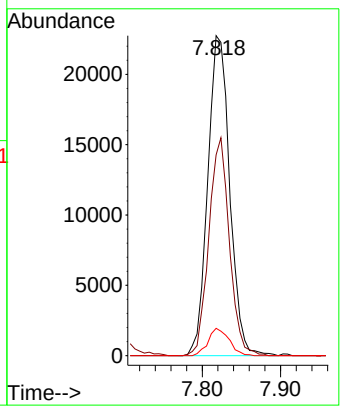


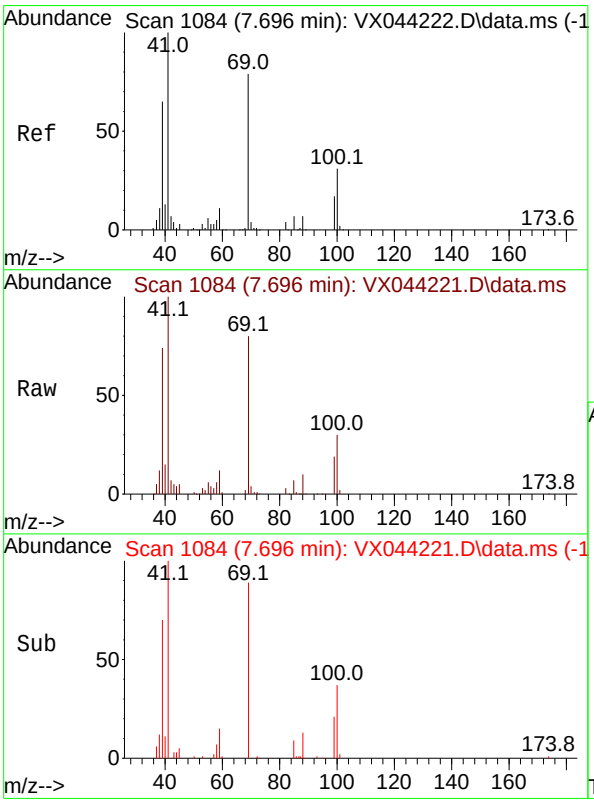

#47
Bromodichloromethane
Concen: 18.735 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 44312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.7 | 50.6 | 75.8 |
| 127 | 8.6 | 7.3 | 10.9 |

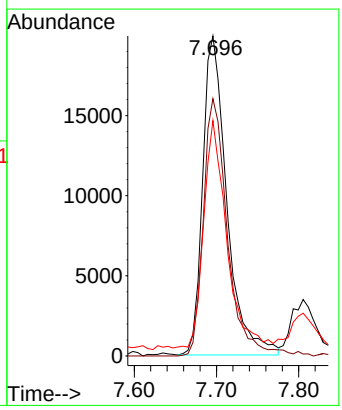


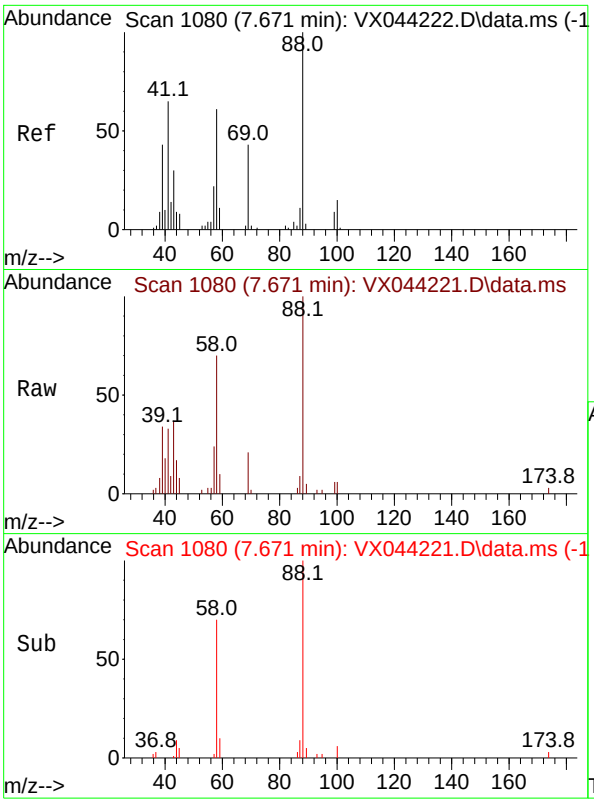




#48
Methyl methacrylate
Concen: 19.032 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 40620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.5 | 62.4 | 93.6 |
| 39 | 67.5 | 53.3 | 79.9 |



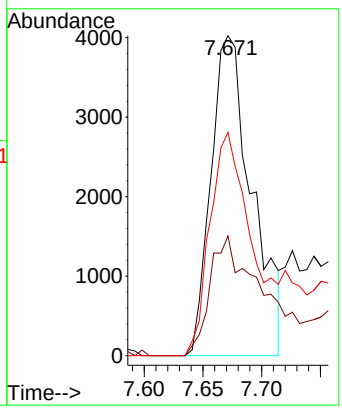


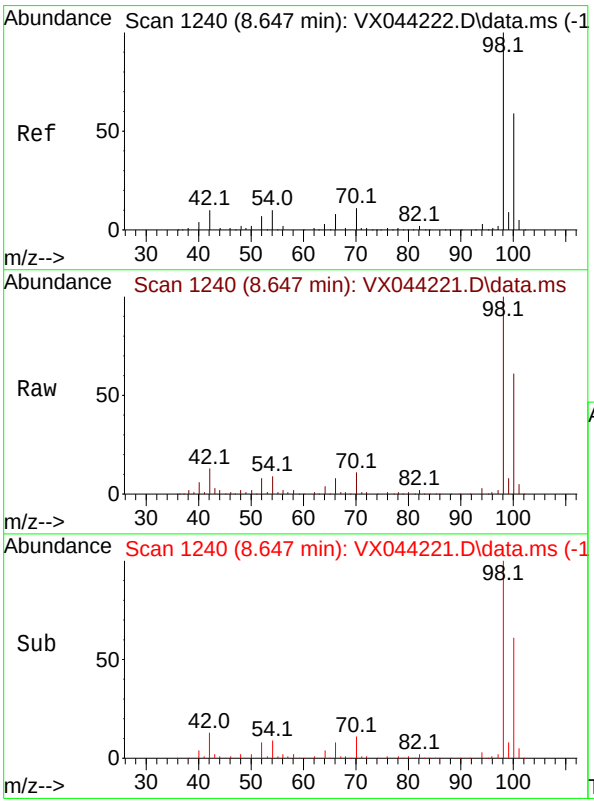

#49
1,4-Dioxane
Concen: 268.697 ug/l
RT: 7.671 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 88 Resp: 9801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 49.5 | 27.1 | 40.7# |
| 58 | 72.2 | 41.0 | 61.4# |

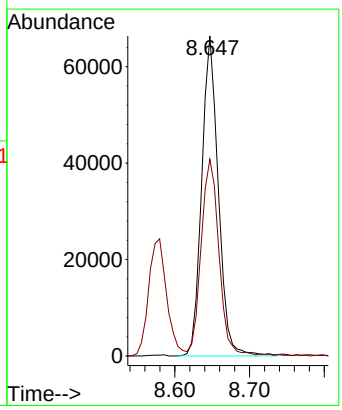


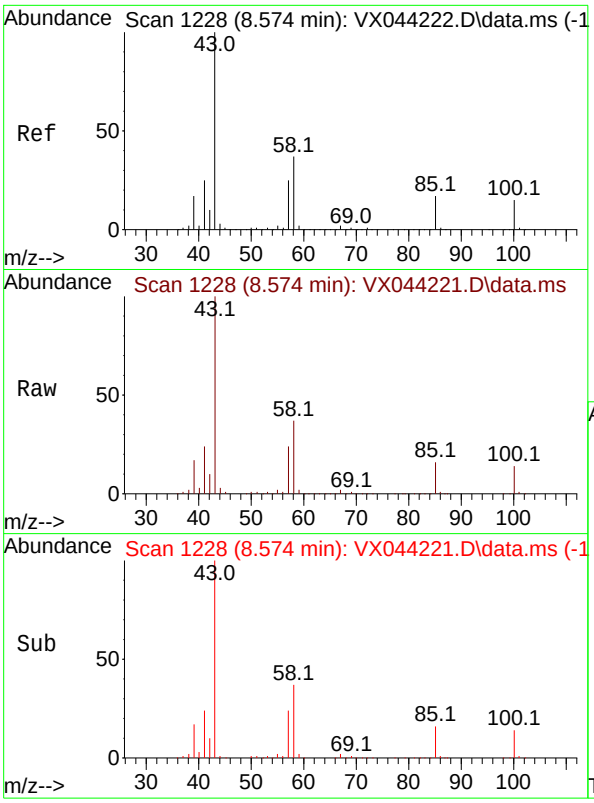




#50
Toluene-d8
Concen: 17.284 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 98 Resp: 102660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 51.5 | 77.3 |



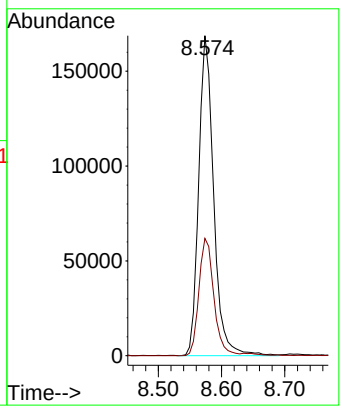


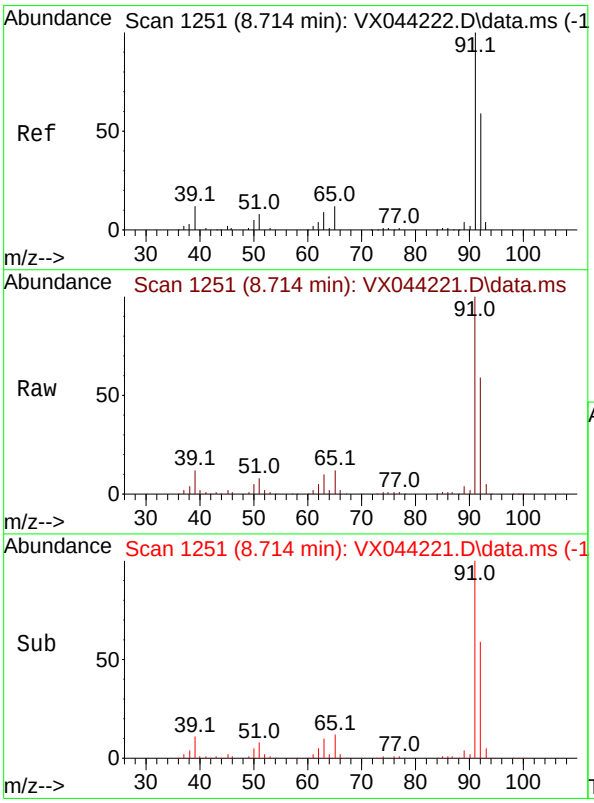

#51
4-Methyl-2-Pentanone
Concen: 98.429 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 278267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.6 | 29.4 | 44.0 |

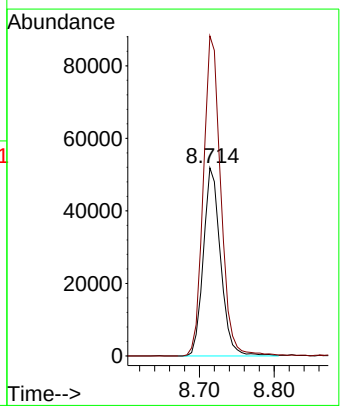


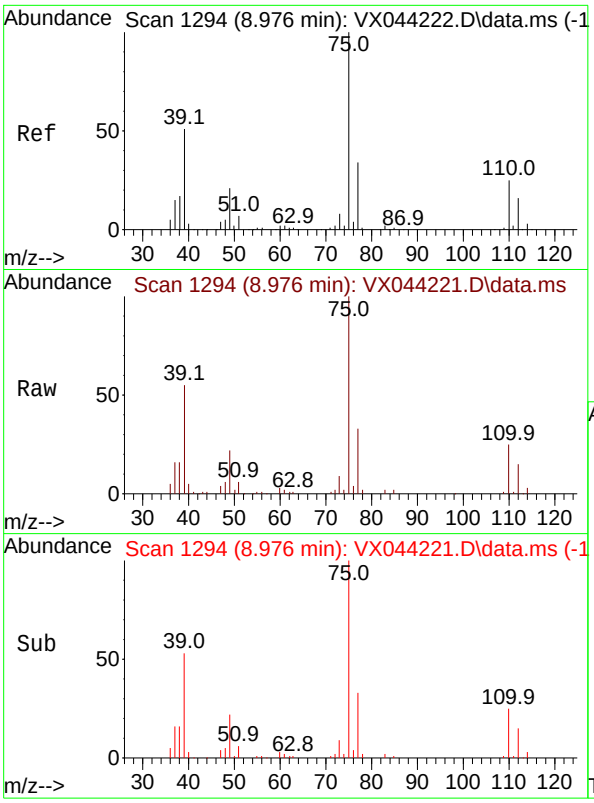




#52
Toluene
Concen: 19.113 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 92 Resp: 82934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.9 | 137.0 | 205.6 |



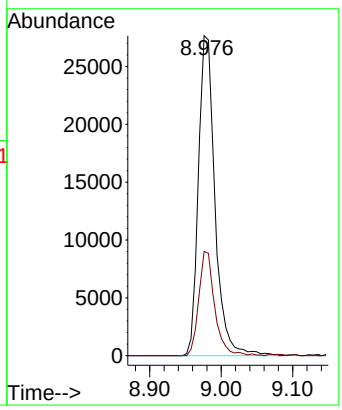


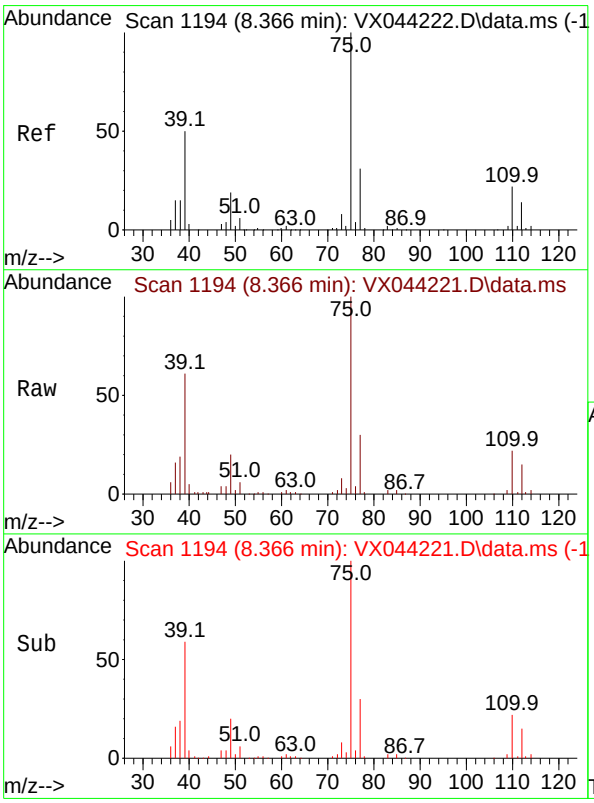

#53
t-1,3-Dichloropropene
Concen: 18.785 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 44614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 27.2 | 40.8 |

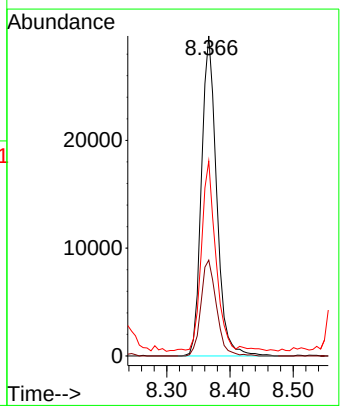


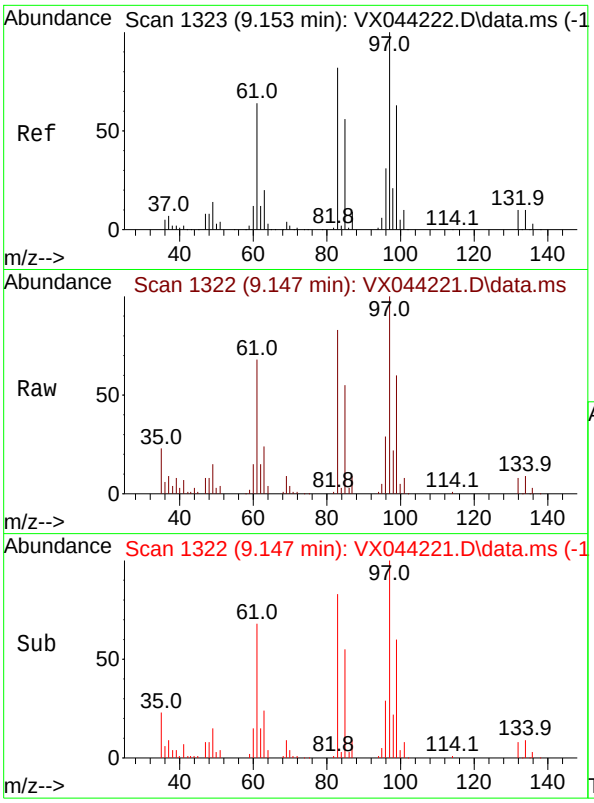




#54
cis-1,3-Dichloropropene
Concen: 19.258 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 49596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.0 | 24.7 | 37.1 |
| 39 | 59.4 | 40.3 | 60.5 |



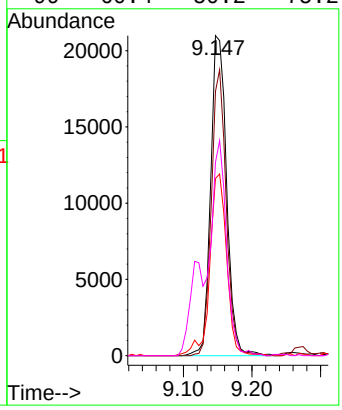


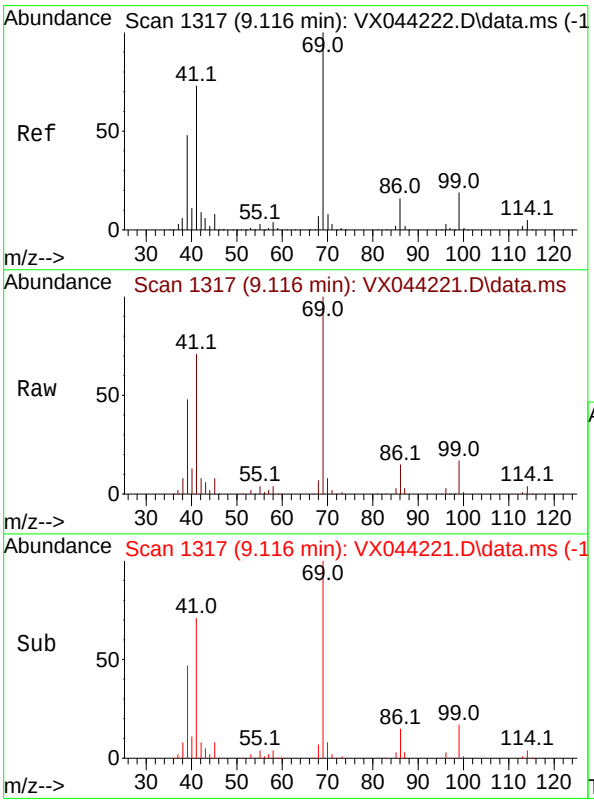

#55
1,1,2-Trichloroethane
Concen: 19.732 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 97 Resp: 34013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 82.6 | 65.3 | 97.9 |
| 85 | 55.3 | 44.6 | 67.0 |
| 99 | 60.4 | 50.2 | 75.2 |

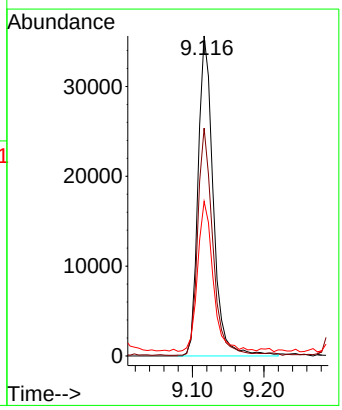


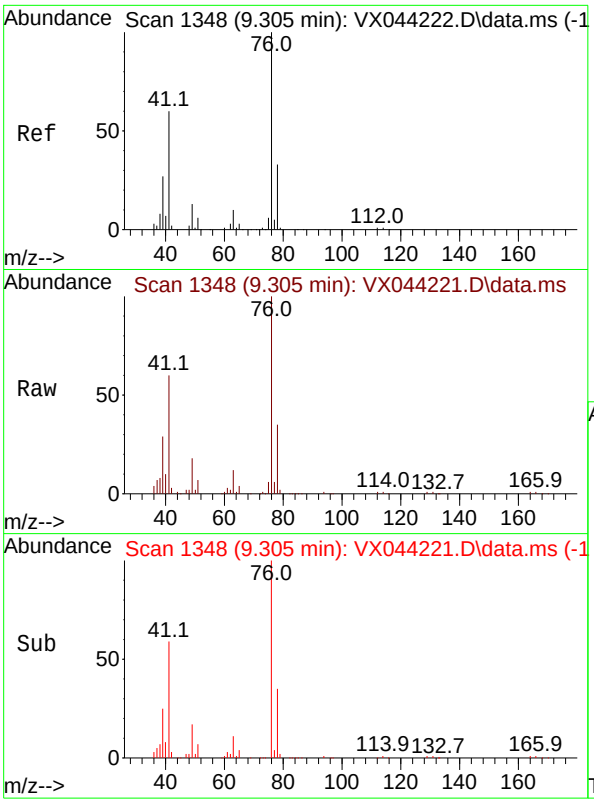




#56
Ethyl methacrylate
Concen: 19.318 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 69 Resp: 52571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.3 | 56.6 | 85.0 |
| 39 | 47.8 | 37.4 | 56.0 |



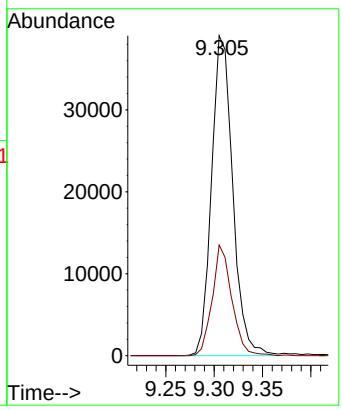


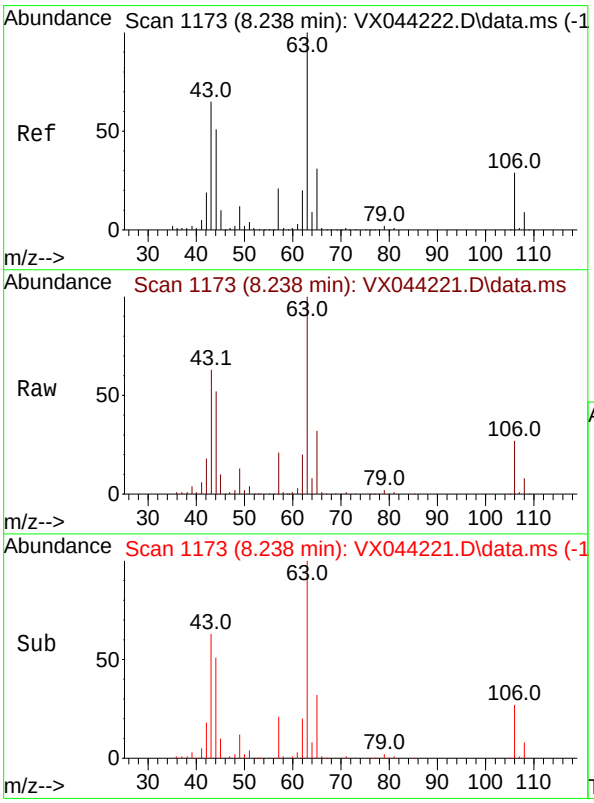

#57
1,3-Dichloropropane
Concen: 19.827 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 59489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 26.5 | 39.7 |

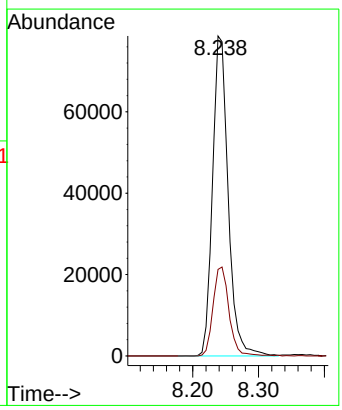


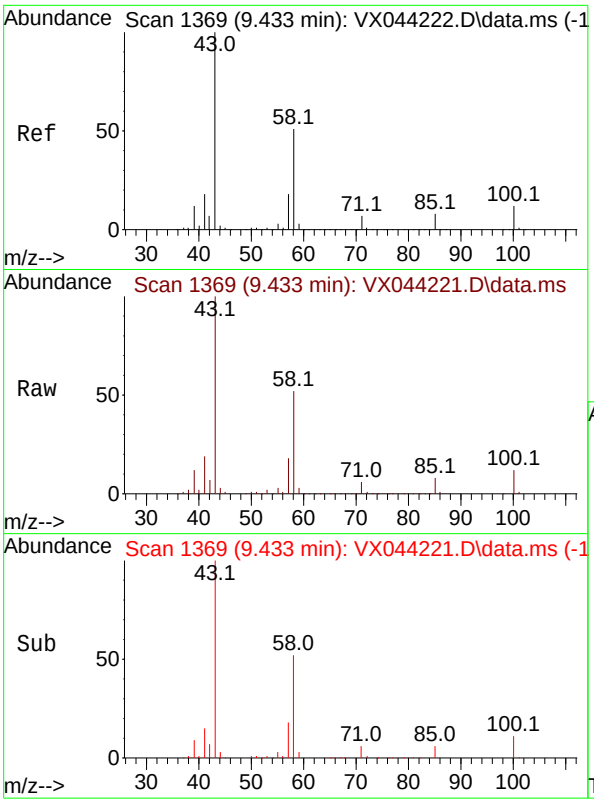




#58
2-Chloroethyl Vinyl ether
Concen: 94.642 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 63 Resp: 129900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.8 | 34.2 |



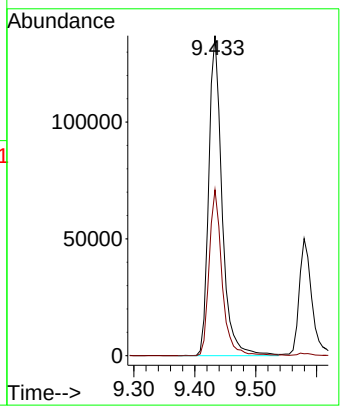


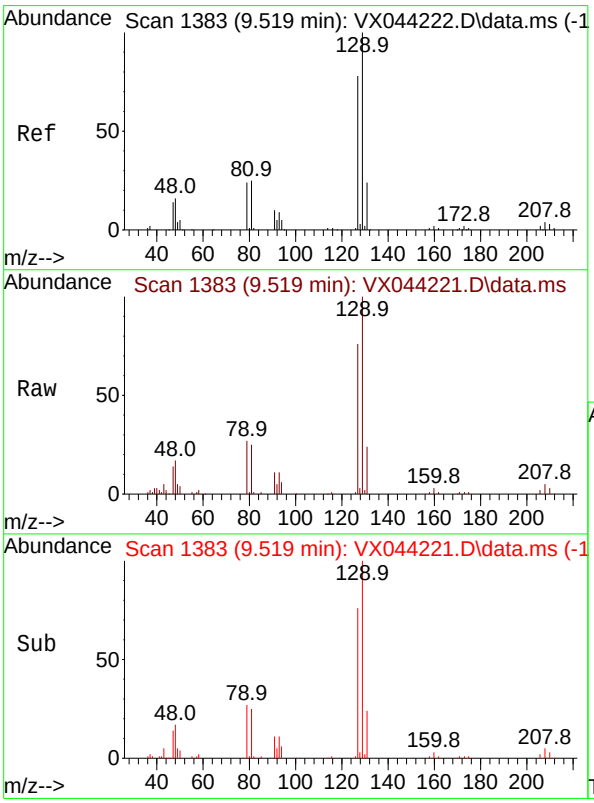

#59
2-Hexanone
Concen: 101.440 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 207578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.4 | 25.7 | 77.0 |

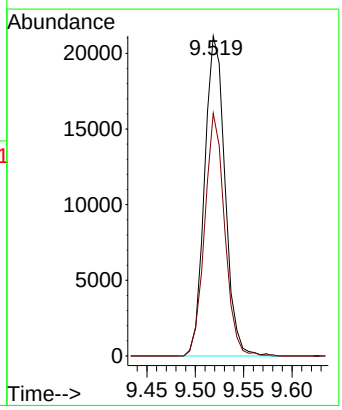


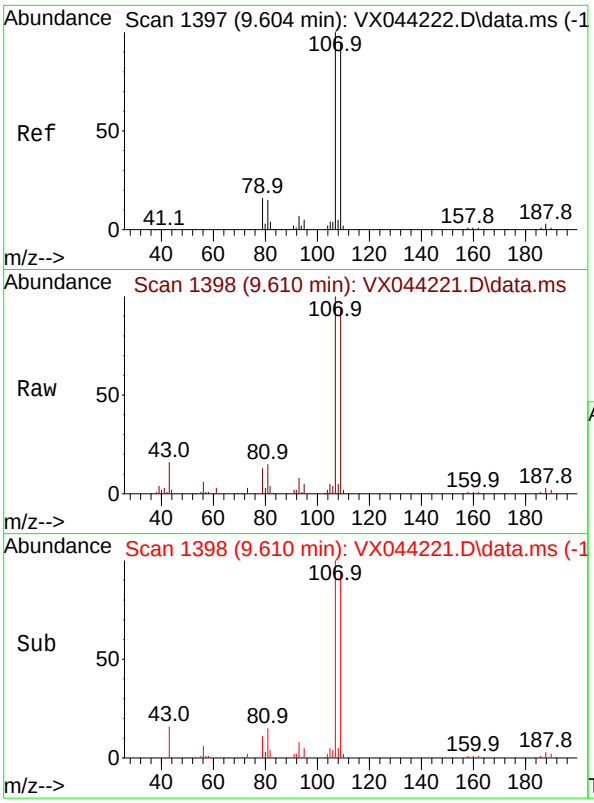




#60
Dibromochloromethane
Concen: 18.318 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:129 Resp: 31066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 74.1 | 38.5 | 115.3 |



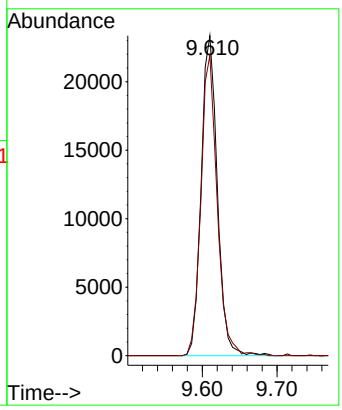


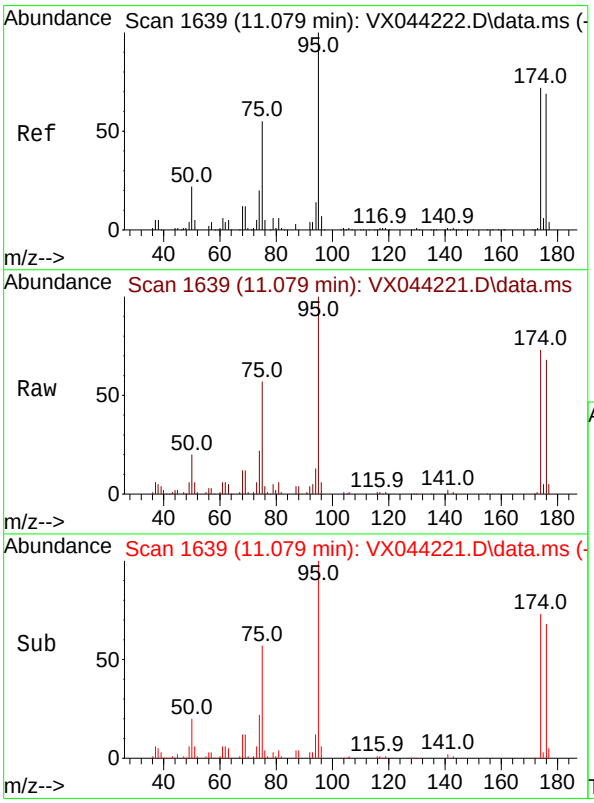

#61
1,2-Dibromoethane
Concen: 19.935 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:107 Resp: 34978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 77.0 | 115.4 |

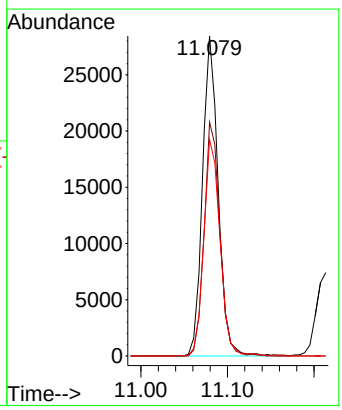


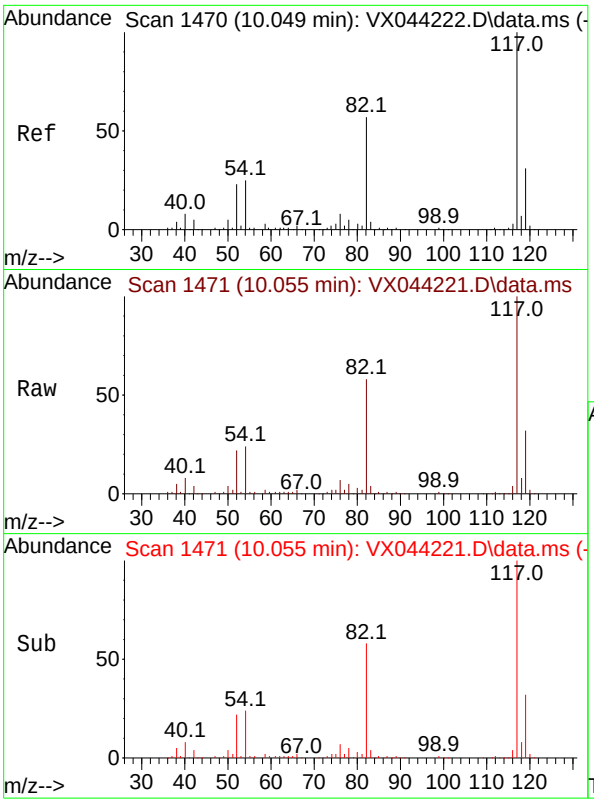




#62
4-Bromofluorobenzene
Concen: 17.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 95 Resp: 35645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.3 | 0.0 | 145.8 |
| 176 | 70.5 | 0.0 | 137.8 |



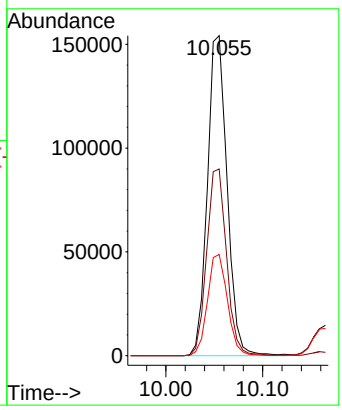


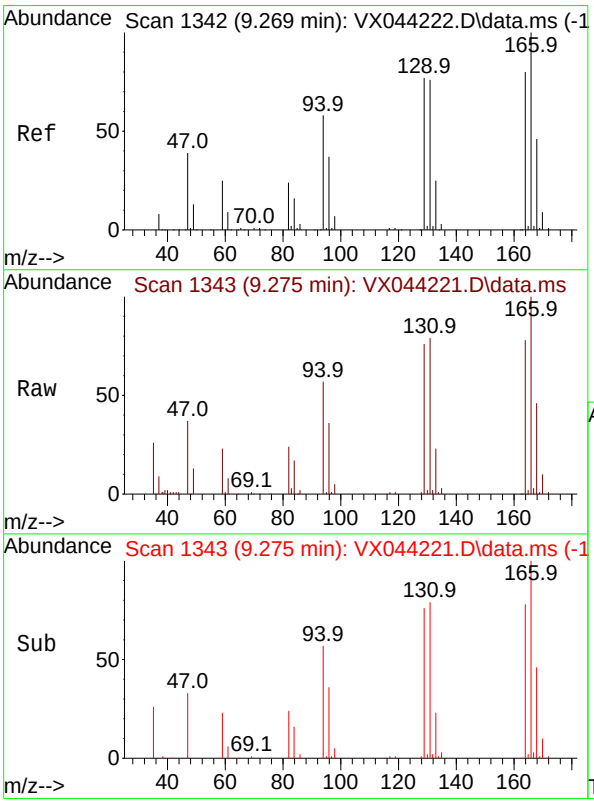

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:117 Resp: 218148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 45.8 | 68.8 |
| 119 | 31.6 | 25.0 | 37.4 |

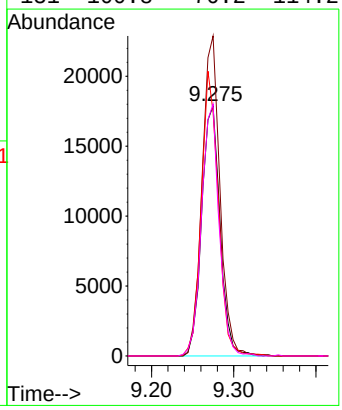


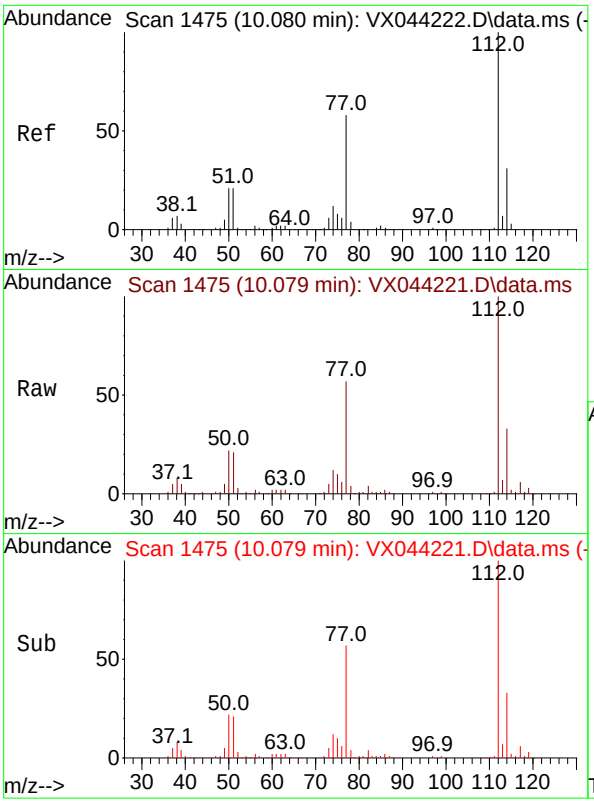




#64
Tetrachloroethene
Concen: 19.133 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:164 Resp: 27702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.0 | 100.4 | 150.6 |
| 129 | 97.5 | 77.2 | 115.8 |
| 131 | 100.8 | 76.2 | 114.2 |



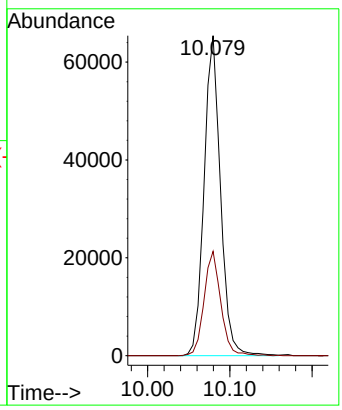


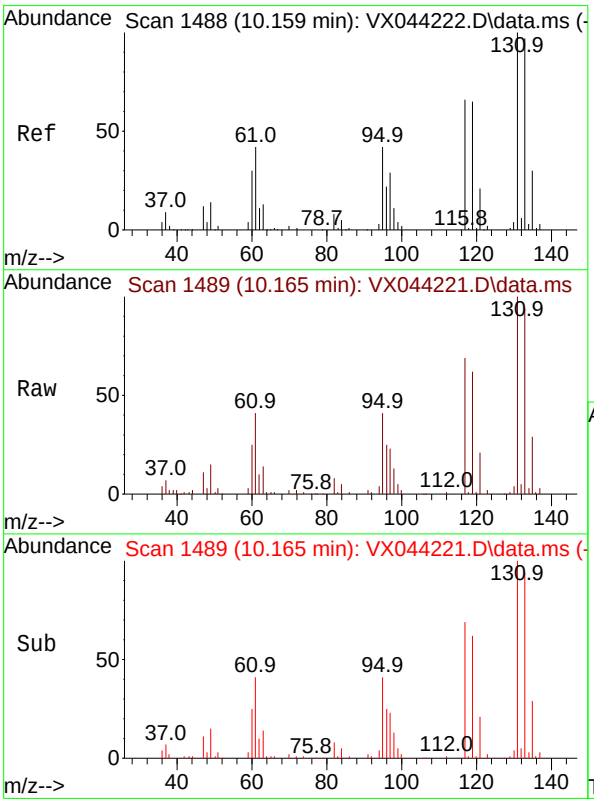

#65
Chlorobenzene
Concen: 19.389 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:112 Resp: 90631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.0 | 37.6 |

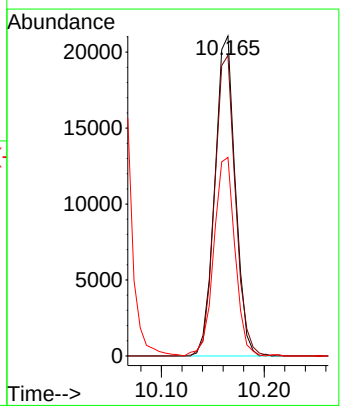


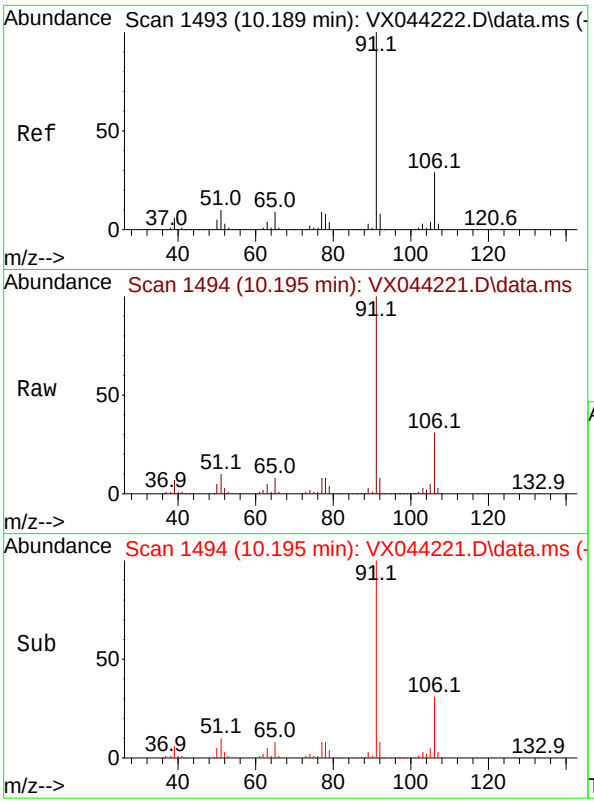




#66
1,1,1,2-Tetrachloroethane
Concen: 19.392 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:131 Resp: 29132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.8 | 47.3 | 141.8 |
| 119 | 64.0 | 31.6 | 95.0 |



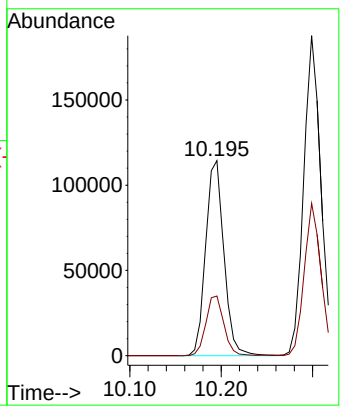


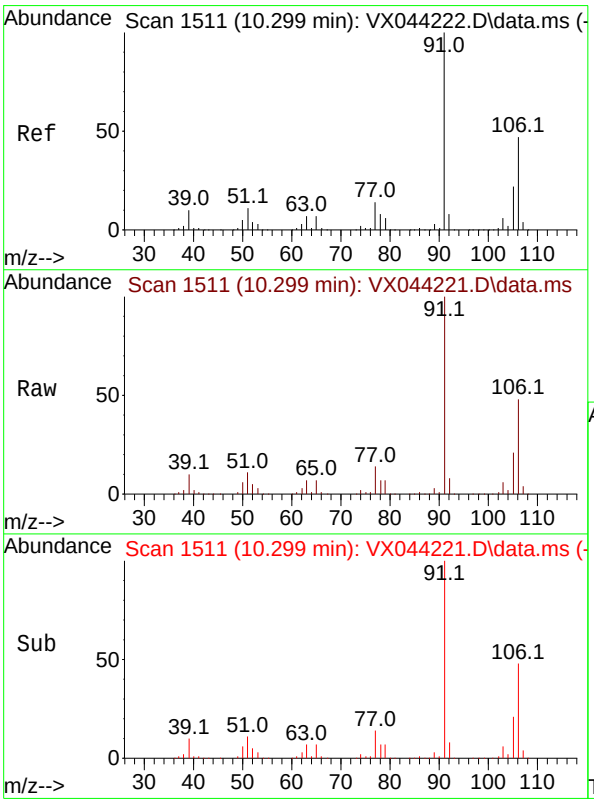

#67
Ethyl Benzene
Concen: 19.619 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 158455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.5 | 35.3 |

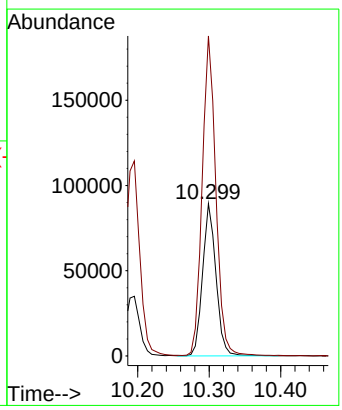


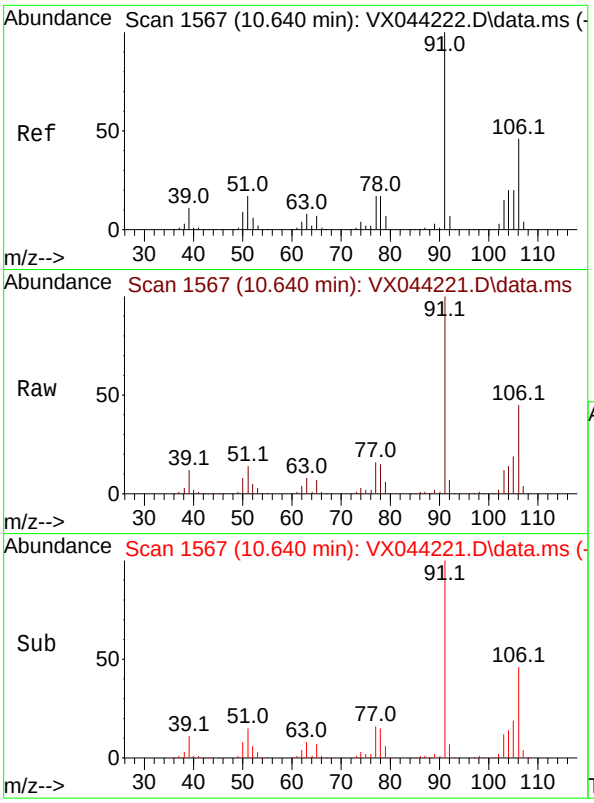




#68
m/p-Xylenes
Concen: 39.183 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:106 Resp: 116126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.5 | 170.2 | 255.2 |



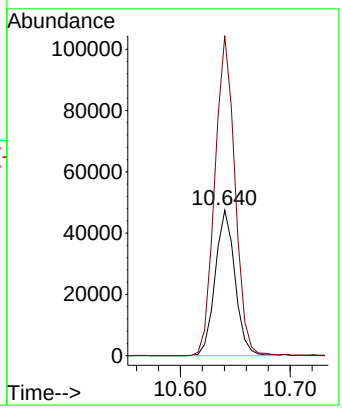


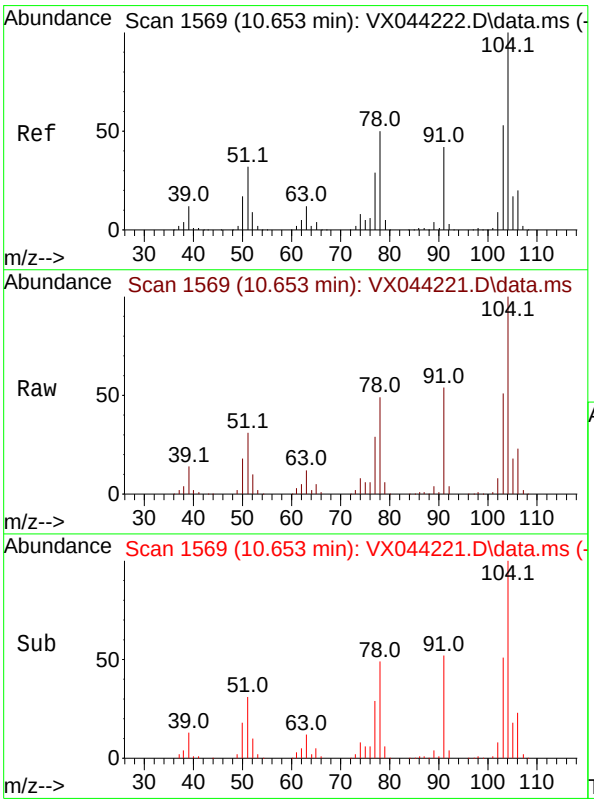

#69
o-Xylene
Concen: 19.938 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:106 Resp: 59787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.6 | 112.3 | 337.0 |

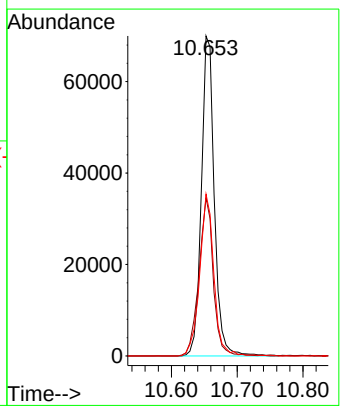


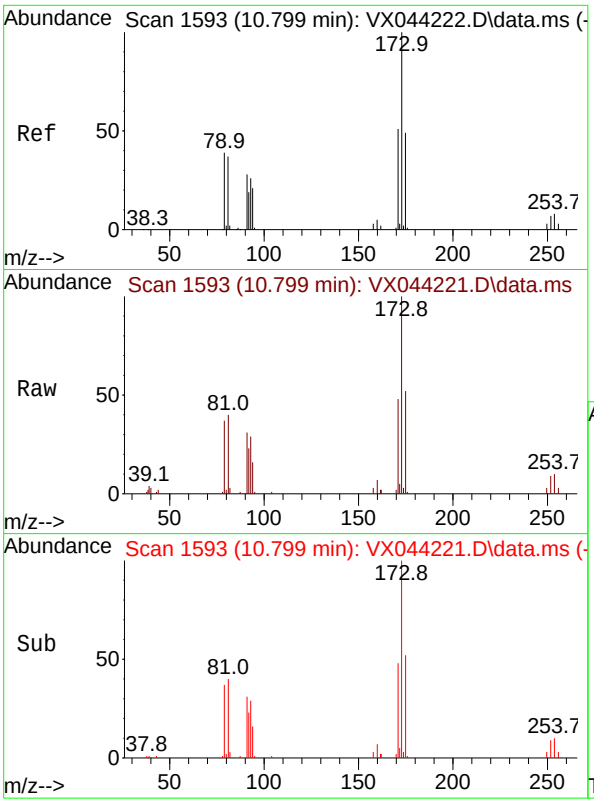




#70
Styrene
Concen: 19.946 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:104 Resp: 95883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.7 | 44.6 | 67.0 |
| 103 | 55.2 | 45.4 | 68.0 |



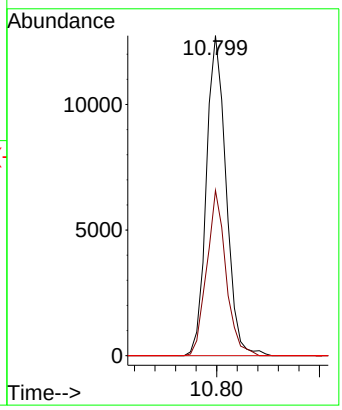


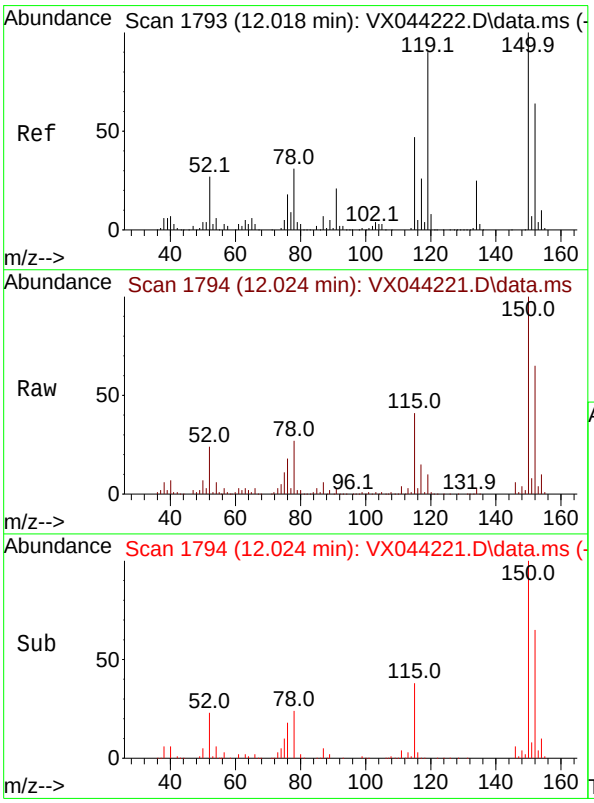

#71
Bromoform
Concen: 18.112 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:173 Resp: 16924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.5 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

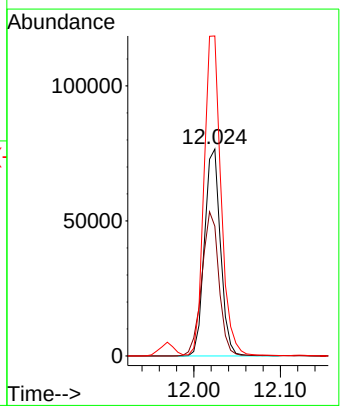


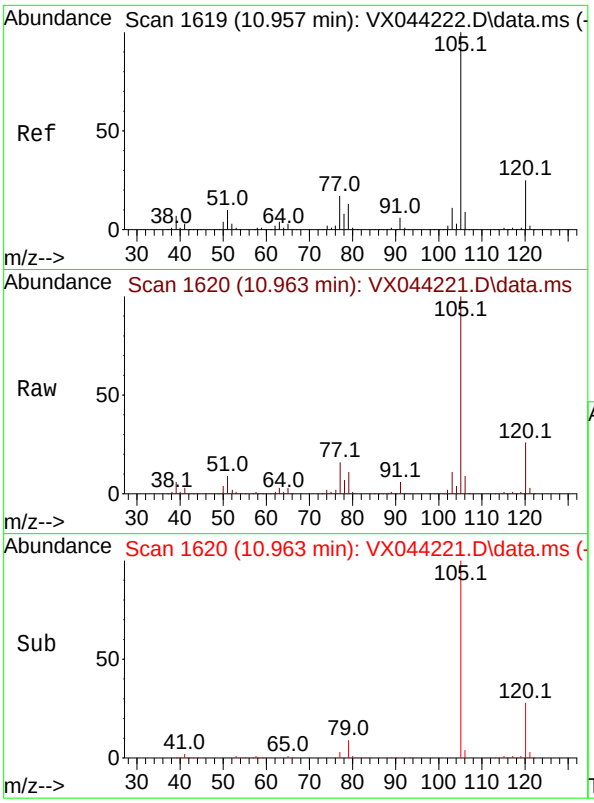




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:152 Resp: 98180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 74.8 | 44.5 | 133.3 |
| 150 | 164.2 | 0.0 | 353.8 |



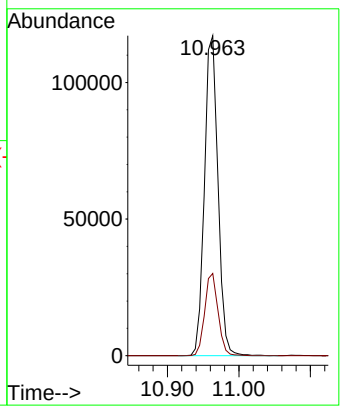


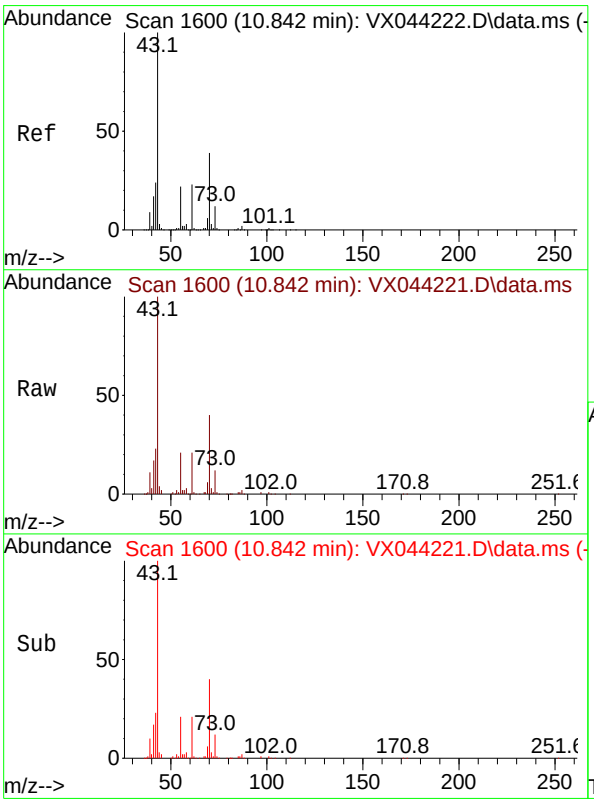

#73
Isopropylbenzene
Concen: 20.481 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 153935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 13.1 | 39.3 |

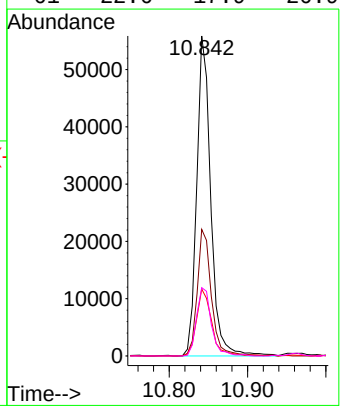


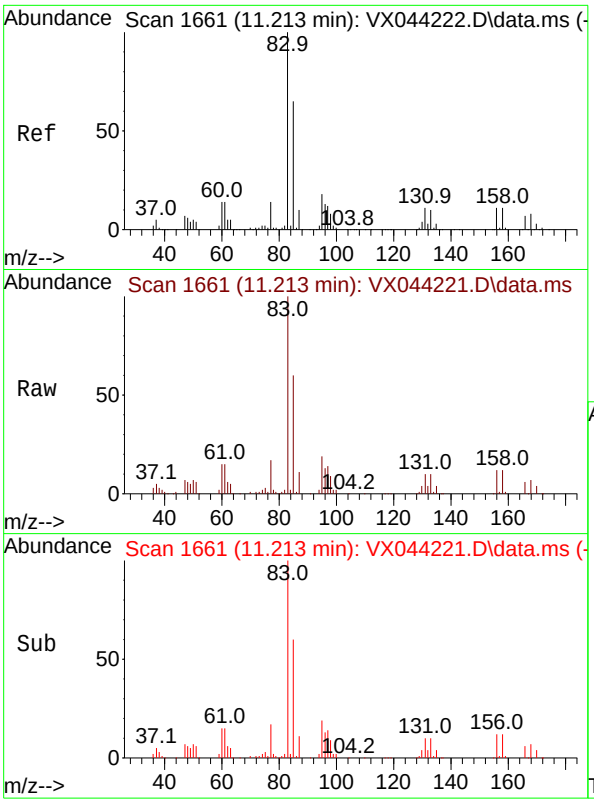




#74
N-amyl acetate
Concen: 20.049 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 69643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.8 | 31.9 | 47.9 |
| 55 | 22.8 | 17.9 | 26.9 |
| 61 | 22.6 | 17.9 | 26.9 |



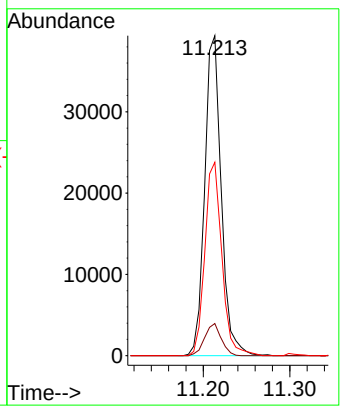


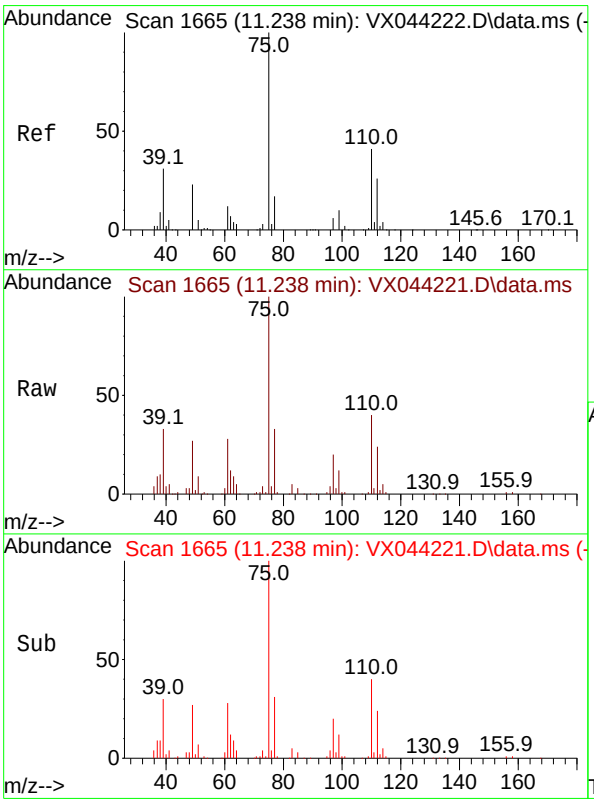

#75
1,1,2,2-Tetrachloroethane
Concen: 20.039 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 52312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.4 |
| 85 | 62.1 | 32.5 | 97.4 |

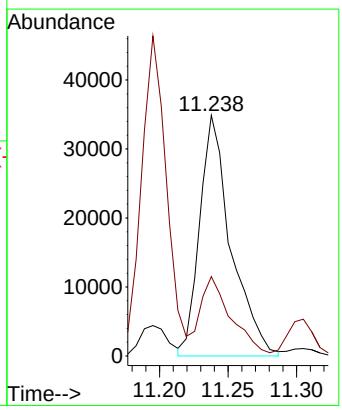


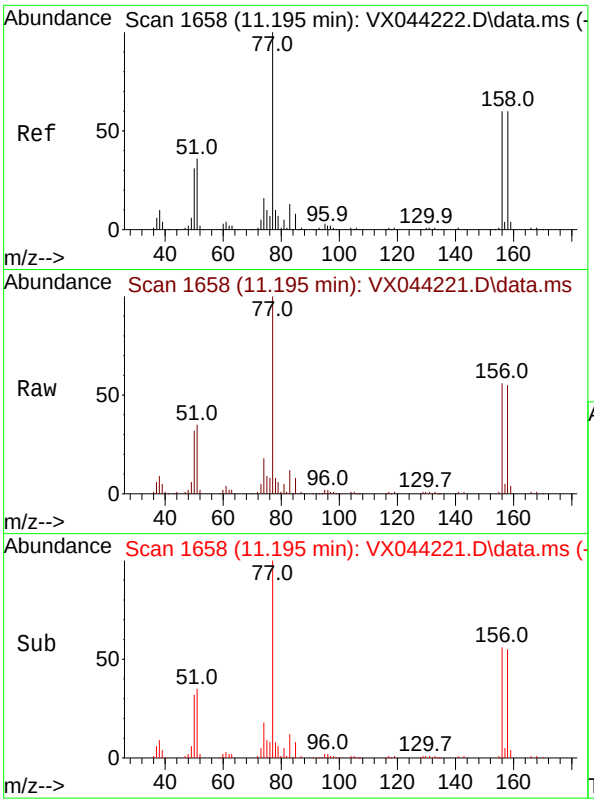




#76
1,2,3-Trichloropropane
Concen: 24.859 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 55384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.2 | 20.9 | 62.7 |



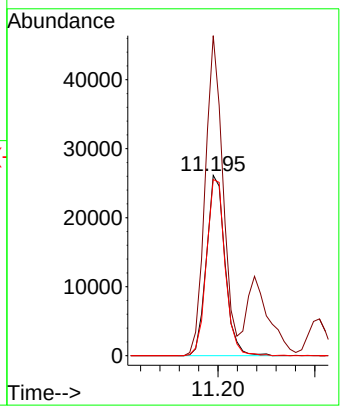


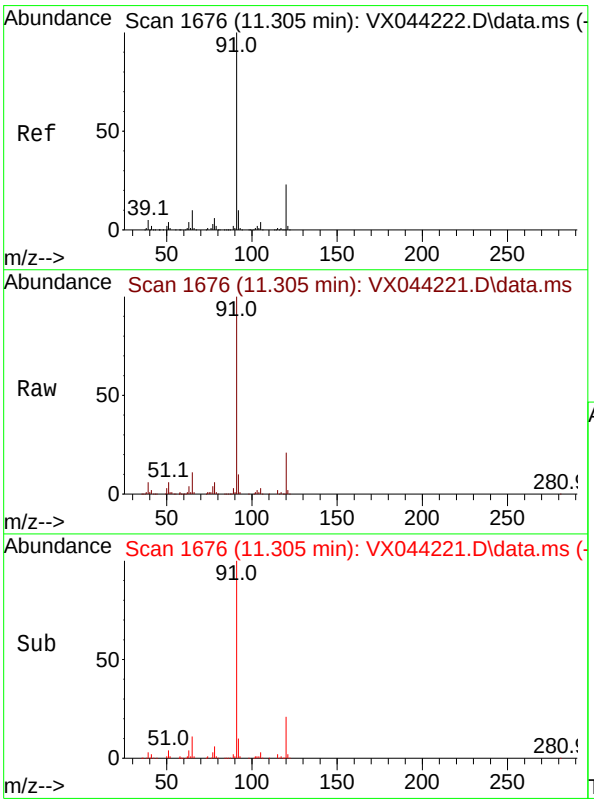

#77
Bromobenzene
Concen: 19.176 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:156 Resp: 34951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.4 | 82.6 | 247.8 |
| 158 | 98.1 | 48.8 | 146.4 |

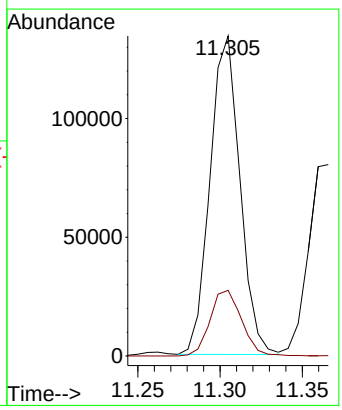


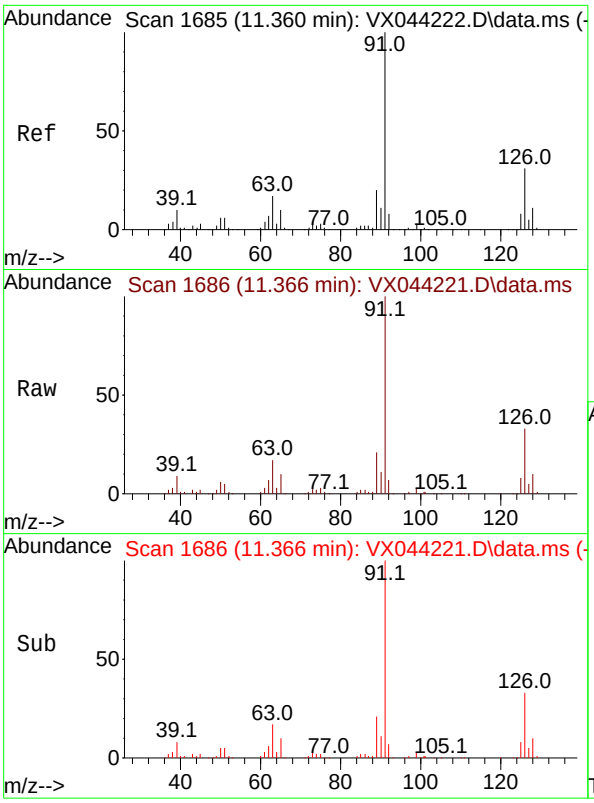




#78
n-propylbenzene
Concen: 20.419 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 169622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.8 | 11.0 | 33.0 |



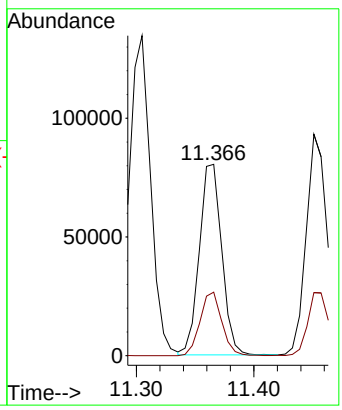


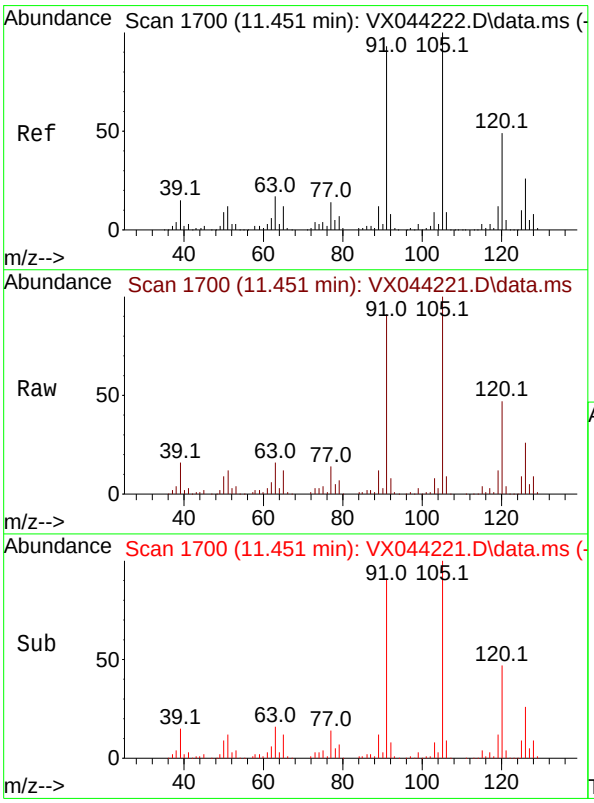

#79
2-Chlorotoluene
Concen: 19.788 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 106310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.4 | 49.1 |

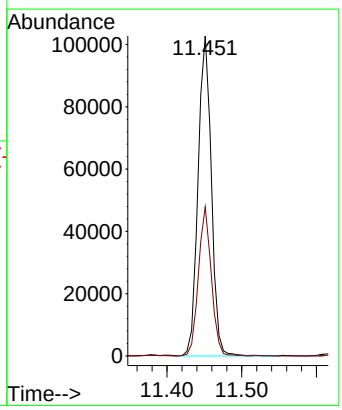


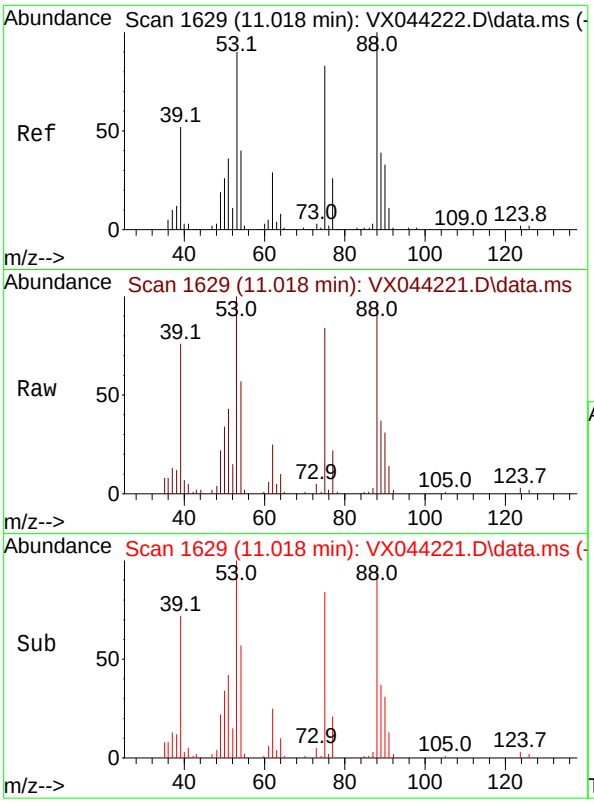




#80
1,3,5-Trimethylbenzene
Concen: 20.315 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 126626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.4 | 23.8 | 71.4 |



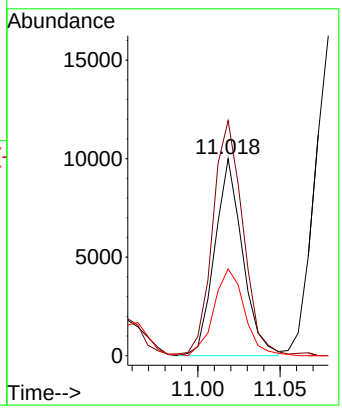


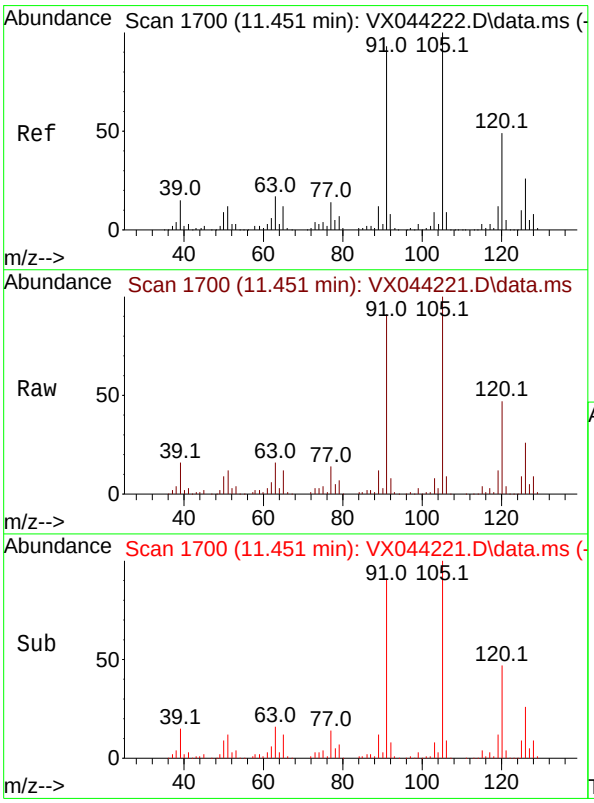

#81
trans-1,4-Dichloro-2-butene
Concen: 19.264 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 11784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 130.8 | 93.6 | 140.4 |
| 89 | 48.1 | 37.3 | 55.9 |

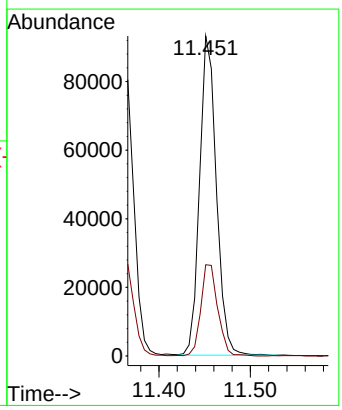


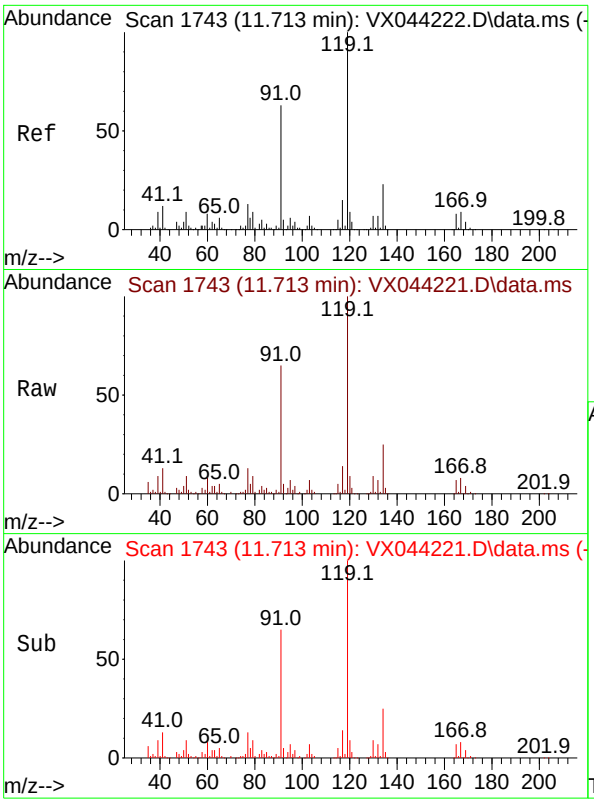




#82
4-Chlorotoluene
Concen: 19.886 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 118309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.9 | 14.5 | 43.5 |



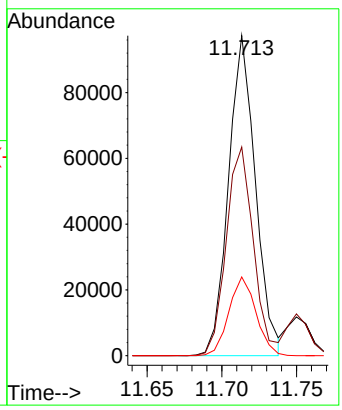


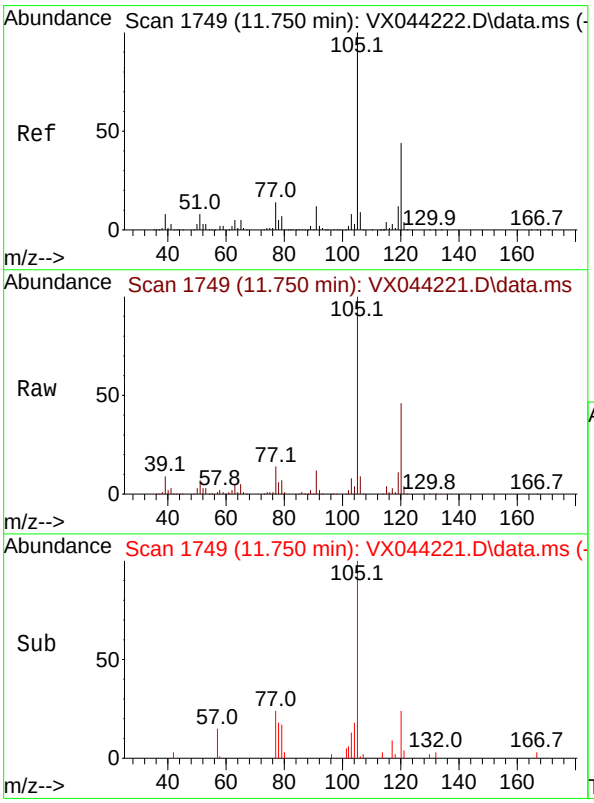

#83
tert-Butylbenzene
Concen: 19.794 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:119 Resp: 121929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.0 | 30.9 | 92.5 |
| 134 | 24.8 | 11.5 | 34.4 |

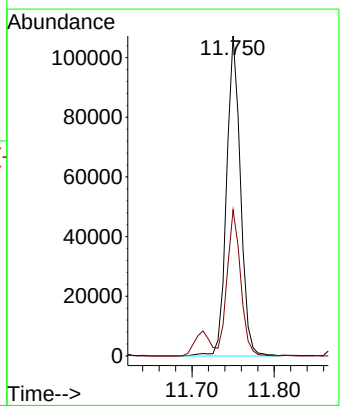


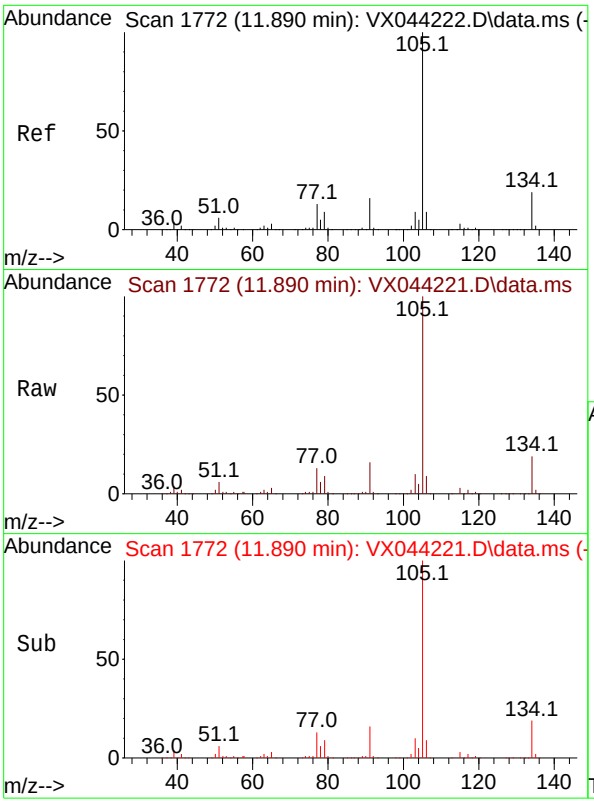




#84
1,2,4-Trimethylbenzene
Concen: 20.574 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 125939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 21.7 | 65.1 |



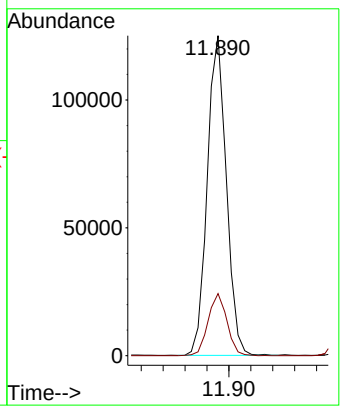


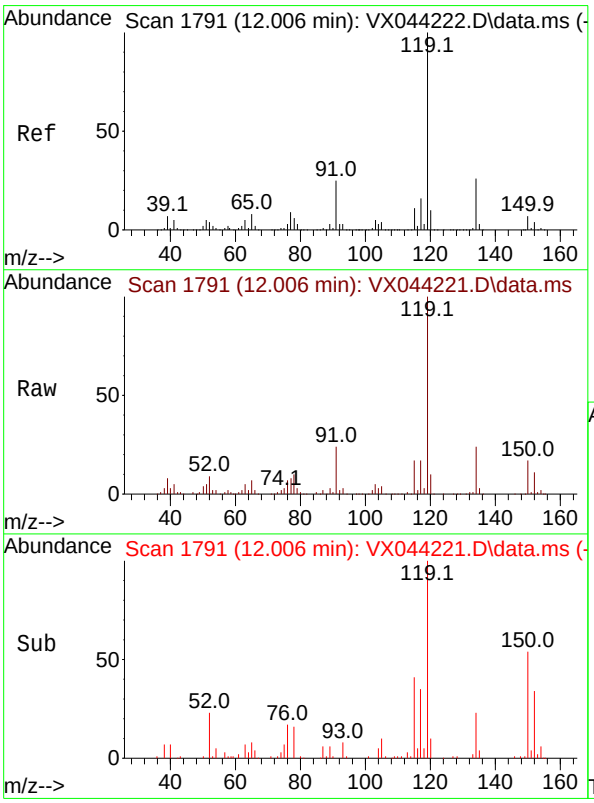

#85
sec-Butylbenzene
Concen: 20.165 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 150795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.2 | 9.8 | 29.4 |

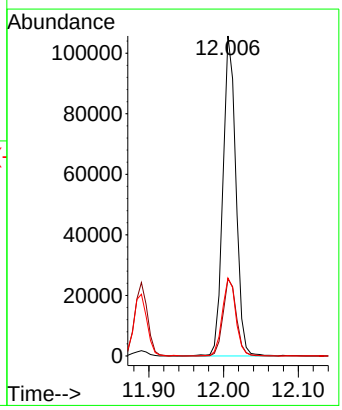


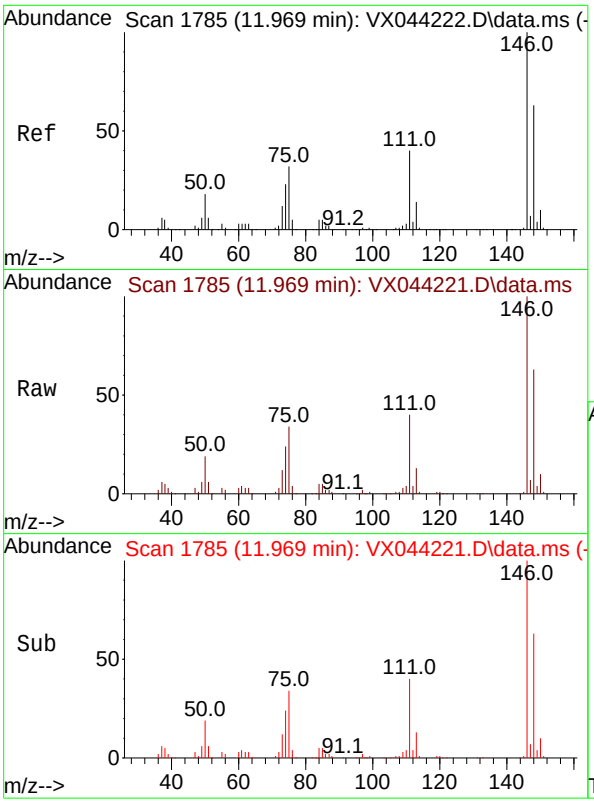




#86
p-Isopropyltoluene
Concen: 20.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:119 Resp: 127790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.6 | 12.8 | 38.4 |
| 91 | 25.4 | 13.0 | 39.0 |



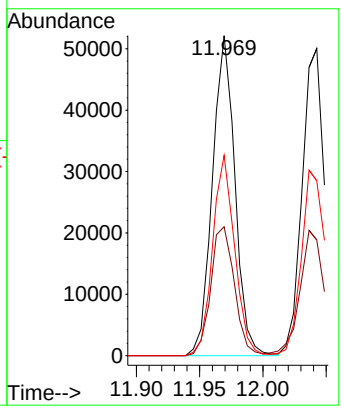


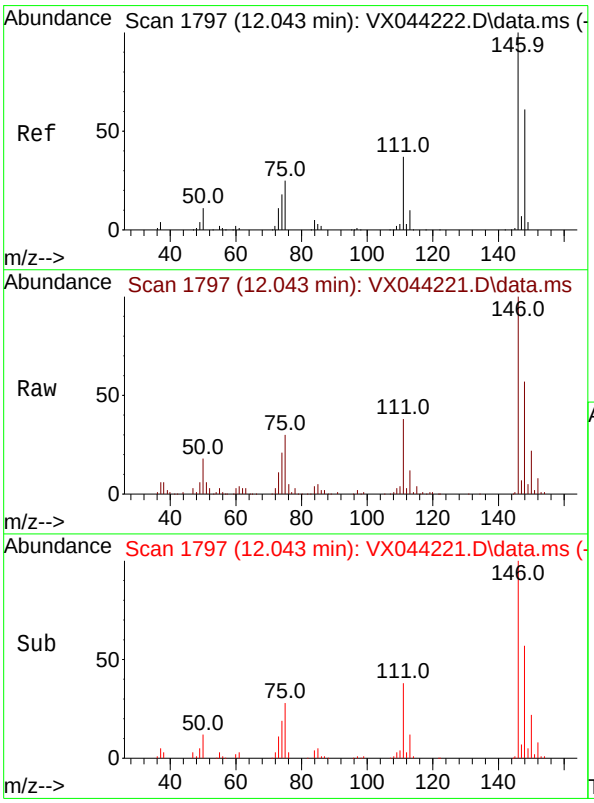

#87
1,3-Dichlorobenzene
Concen: 20.228 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 64399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.4 | 64.2 |
| 148 | 61.4 | 31.7 | 95.1 |

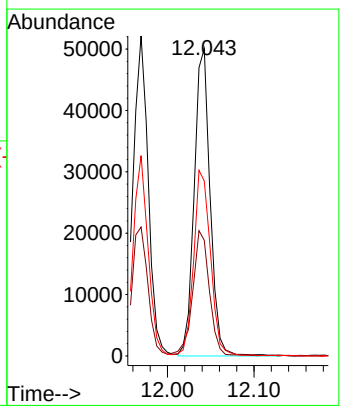


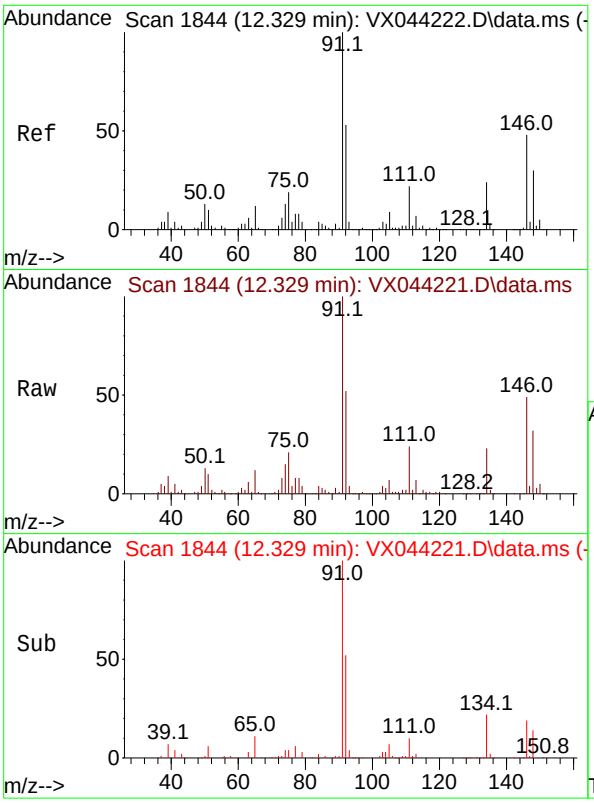




#88
1,4-Dichlorobenzene
Concen: 19.588 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:146 Resp: 64106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 21.0 | 63.0 |
| 148 | 63.2 | 32.3 | 96.8 |



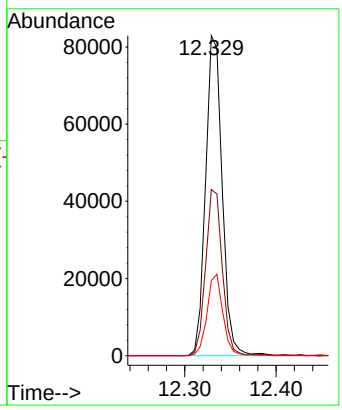


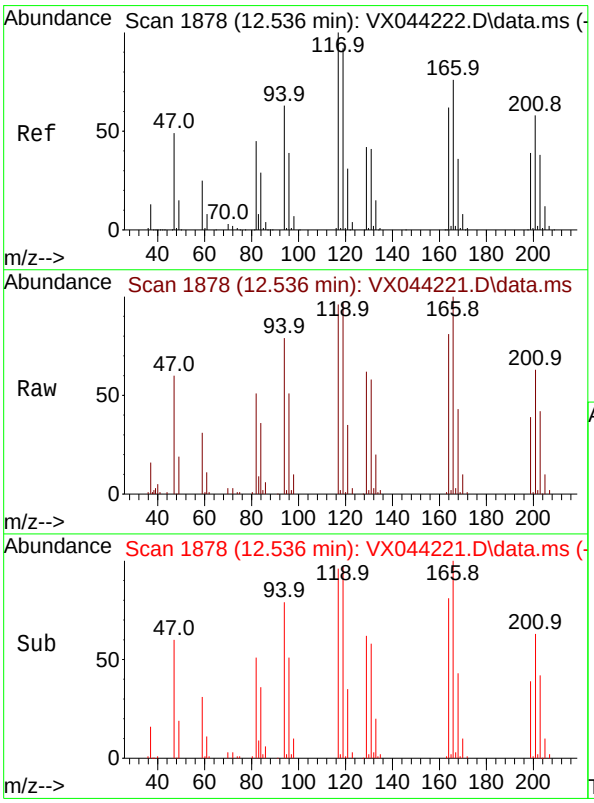

#89
n-Butylbenzene
Concen: 19.950 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 104410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 26.6 | 79.7 |
| 134 | 24.4 | 12.6 | 37.8 |

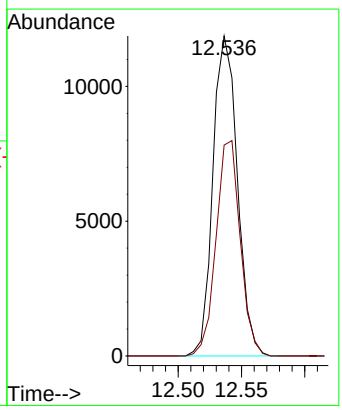


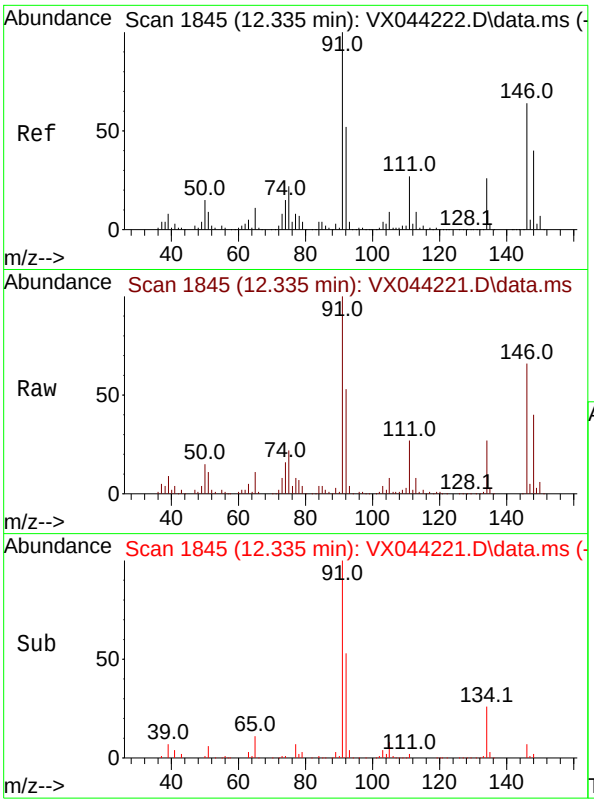




#90
Hexachloroethane
Concen: 17.543 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 15939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.8 | 31.4 | 94.2 |



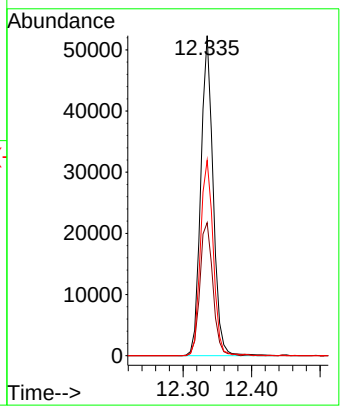


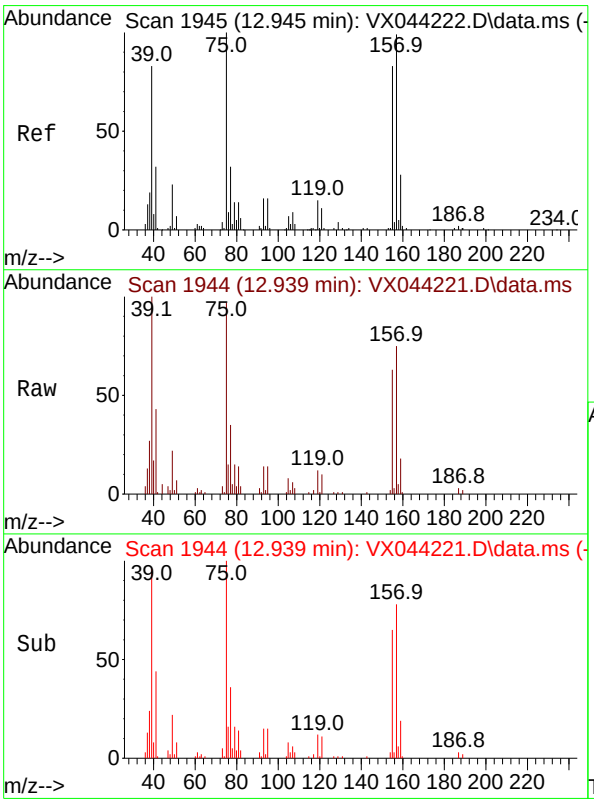

#91
1,2-Dichlorobenzene
Concen: 19.817 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 65511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 21.4 | 64.3 |
| 148 | 63.5 | 31.6 | 95.0 |

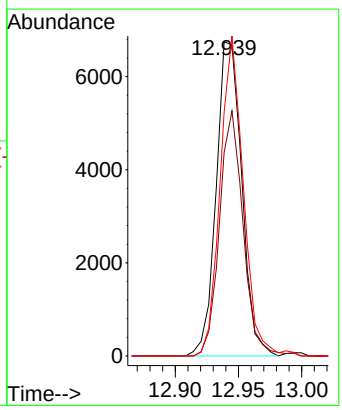


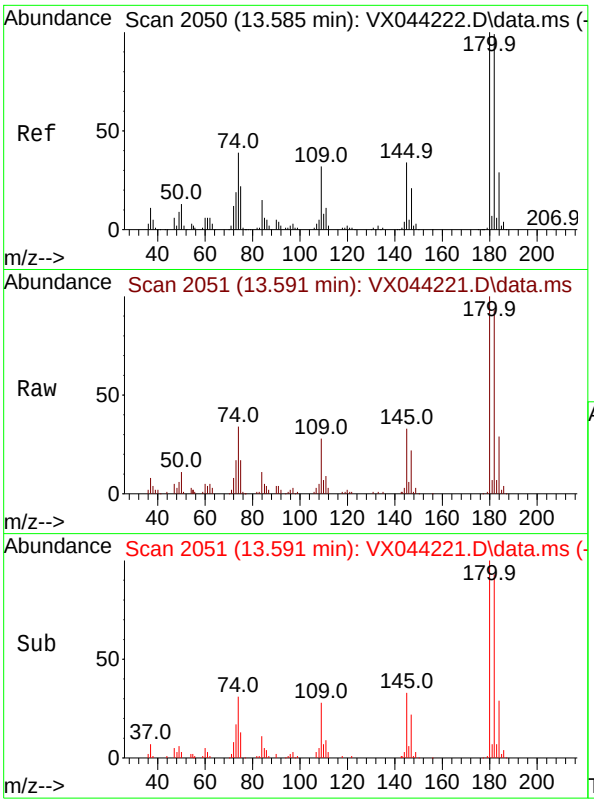




#92
1,2-Dibromo-3-Chloropropane
Concen: 18.683 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 9468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.1 | 38.1 | 114.3 |
| 157 | 92.2 | 47.2 | 141.6 |



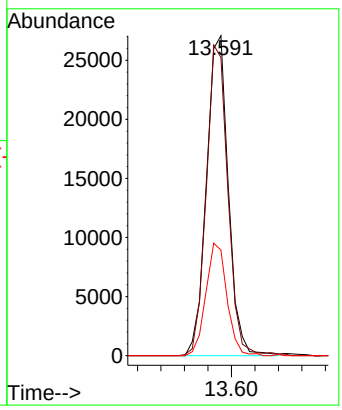


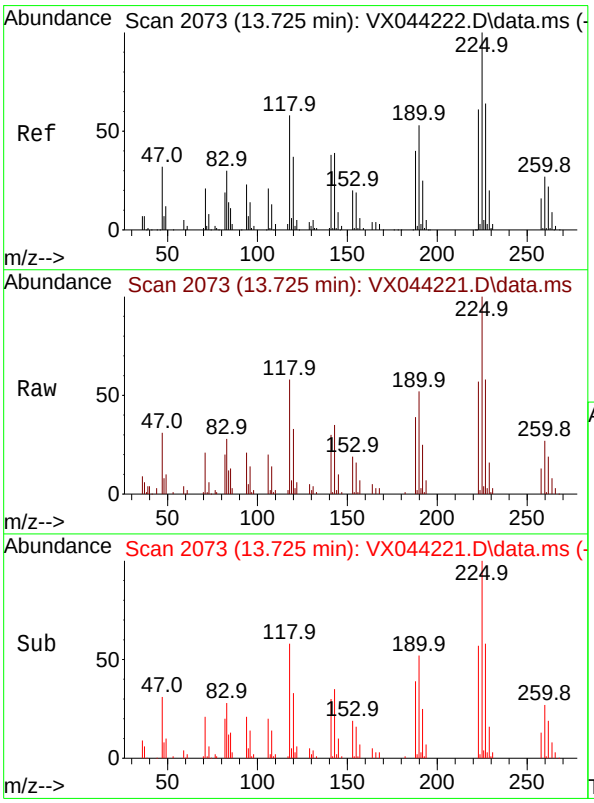

#93
1,2,4-Trichlorobenzene
Concen: 19.313 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:180 Resp: 35001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 48.0 | 144.2 |
| 145 | 33.9 | 16.6 | 49.7 |

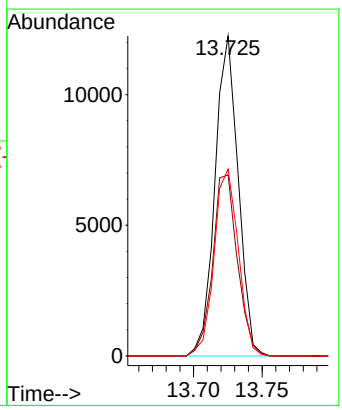


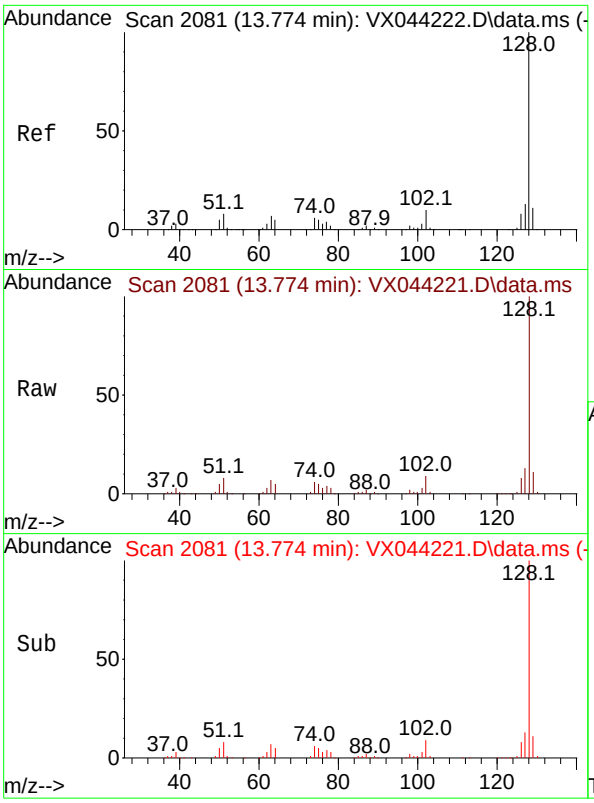




#94
Hexachlorobutadiene
Concen: 19.774 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:225 Resp: 14415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.5 | 30.8 | 92.4 |
| 227 | 60.9 | 32.1 | 96.3 |



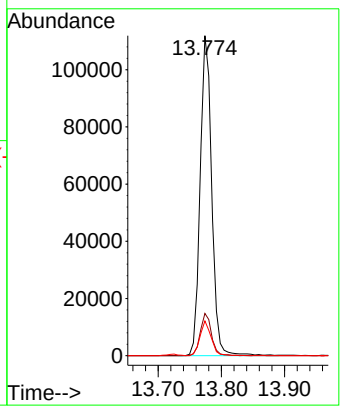


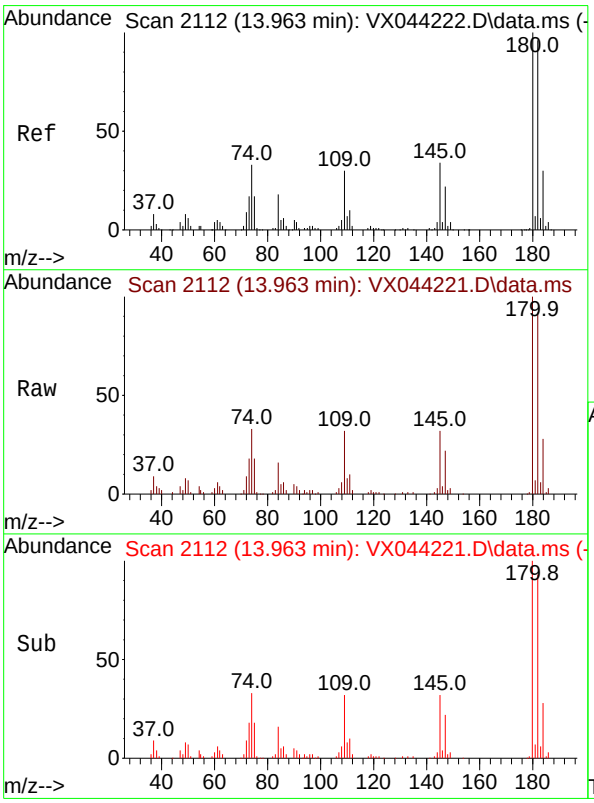

#95
Naphthalene
Concen: 20.146 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:128 Resp: 142515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.4 | 9.0 | 13.4 |

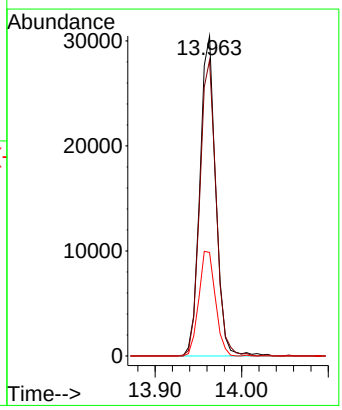



#96
1,2,3-Trichlorobenzene
Concen: 20.101 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:180 Resp: 38639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 48.0 | 144.0 |
| 145 | 34.3 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 125713 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 233488 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 205196 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 95227 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 115815 | 52.544 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 105.080% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 85656 | 52.968 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.940% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 292199 | 53.559 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 107.120% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 103178 | 54.123 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 108.240% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 99052 | 50.957 | ug/l | 100 |
| 3) Chloromethane | 1.295 | 50 | 94981 | 51.097 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 98852 | 51.045 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 69250 | 50.405 | ug/l | 100 |
| 6) Chloroethane | 1.666 | 64 | 66862 | 55.448 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 193676 | 51.086 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 64542 | 49.875 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 77275 | 50.371 | ug/l | 100 |
| 10) Methyl Iodide | 2.441 | 142 | 106509 | 52.678 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.995 | 59 | 80988 | 261.121 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 74884 | 53.143 | ug/l | 100 |
| 13) Acrolein | 2.239 | 56 | 116171 | 258.347 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 126925 | 54.079 | ug/l | 100 |
| 15) Acrylonitrile | 3.069 | 53 | 225330 | 261.859 | ug/l | 100 |
| 16) Acetone | 2.392 | 43 | 239661 | 266.704 | ug/l | 100 |
| 17) Carbon Disulfide | 2.502 | 76 | 144624 | 53.994 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 119808 | 51.710 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 289735 | 52.691 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 86593 | 51.305 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 77834 | 51.974 | ug/l | 100 |
| 22) Diisopropyl ether | 3.764 | 45 | 273039 | 51.662 | ug/l | 100 |
| 23) Vinyl Acetate | 3.721 | 43 | 1202044 | 279.754 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 156412 | 53.093 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 344663 | 269.797 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 131428 | 54.914 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 97013 | 51.007 | ug/l | 100 |
| 28) Bromochloromethane | 4.898 | 49 | 74477 | 51.555 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 212103 | 258.669 | ug/l | 100 |
| 30) Chloroform | 5.087 | 83 | 168864 | 51.017 | ug/l | 100 |
| 31) Cyclohexane | 5.465 | 56 | 122841 | 51.637 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 147834 | 53.806 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 103760 | 49.638 | ug/l | 100 |
| 37) Ethyl Acetate | 4.721 | 43 | 135753 | 52.537 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 117076 | 52.023 | ug/l | 100 |
| 39) Methylcyclohexane | 7.373 | 83 | 129697 | 51.901 | ug/l | 100 |
| 40) Benzene | 6.031 | 78 | 329154 | 51.863 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 70427 | 51.329 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 136309 | 52.138 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 213891 | 52.961 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 81542 | 51.521 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 83376 | 51.420 | ug/l | | 100 |
| 46) Dibromomethane | 7.580 | 93 | 66786 | 53.092 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 118634 | 54.607 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 103726 | 52.909 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.671 | 88 | 28266 | 843.658 | ug/l | # | 77 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 688666 | 265.203 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 204738 | 51.370 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 120007 | 51.362 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 132286 | 55.923 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 83488 | 52.729 | ug/l | | 100 |
| 56) Ethyl methacrylate | 9.116 | 69 | 134770 | 53.917 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 143044 | 51.904 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 342592 | 271.745 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 512906 | 272.881 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 86352 | 51.400 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 86150 | 53.454 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 65888 | 48.379 | ug/l | | 100 |
| 65) Chlorobenzene | 10.080 | 112 | 223269 | 50.779 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 76867 | 54.396 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 395430 | 52.050 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 290181 | 104.094 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 144247 | 51.141 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 238379 | 52.719 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 50667 | 51.158 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 372519 | 51.100 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 182491 | 54.166 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 127193 | 50.233 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 139805 | 64.698 | ug/l | | 85 |
| 77) Bromobenzene | 11.195 | 156 | 89687 | 50.734 | ug/l | | 100 |
| 78) n-propylbenzene | 11.305 | 91 | 428741 | 53.211 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 263849 | 50.634 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 314986 | 52.102 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 35119 | 47.628 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 296520 | 51.387 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 310320 | 51.940 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 313338 | 52.776 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 379552 | 52.329 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 318721 | 52.796 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 160223 | 51.887 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 159258 | 50.171 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 270840 | 53.354 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 48303 | 54.813 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 164342 | 51.256 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 26027 | 52.951 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 93173 | 53.005 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 35172 | 49.744 | ug/l | | 100 |
| 95) Naphthalene | 13.774 | 128 | 365234 | 53.230 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 97000 | 52.027 | ug/l | | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

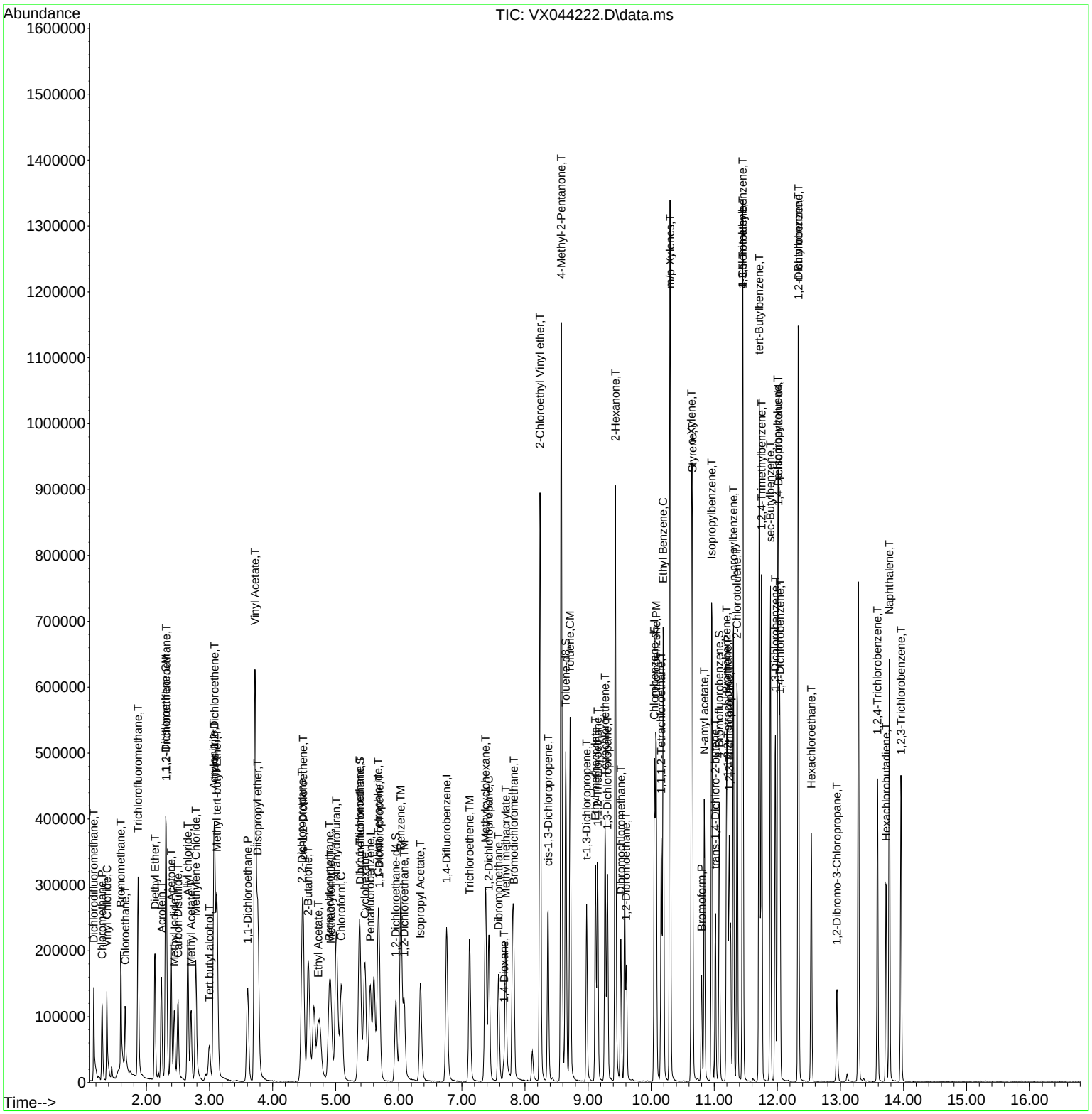
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

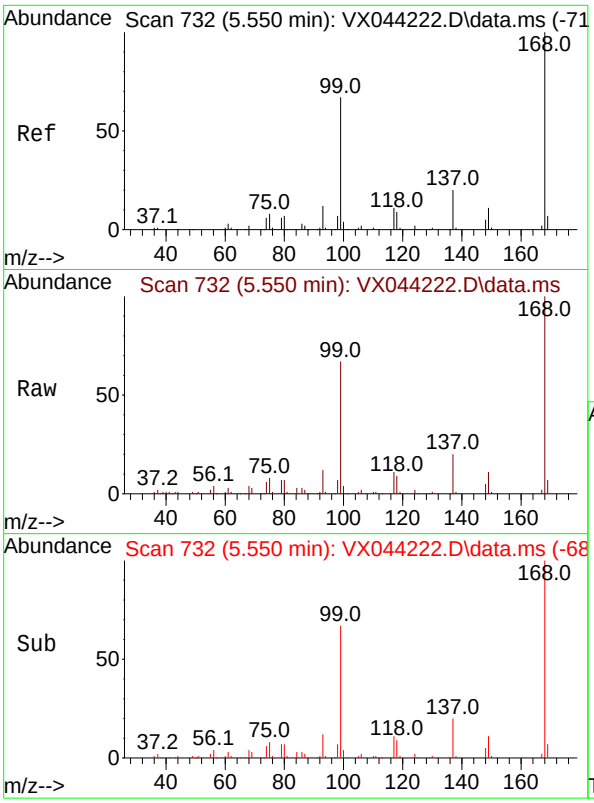
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



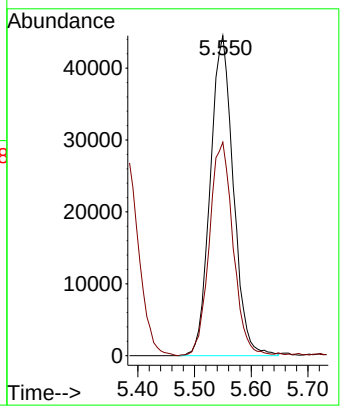


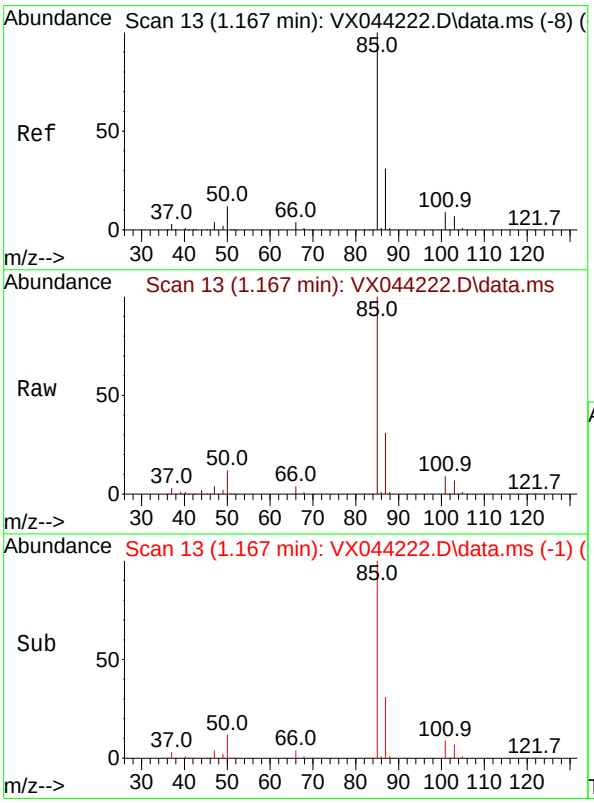

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:168 Resp: 125713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.7 | 53.4 | 80.0 |

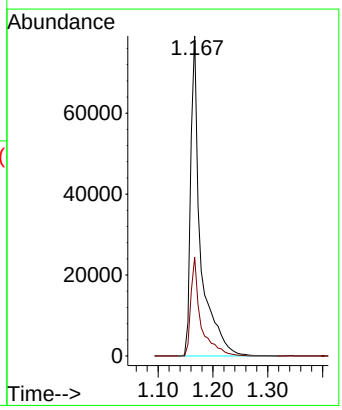


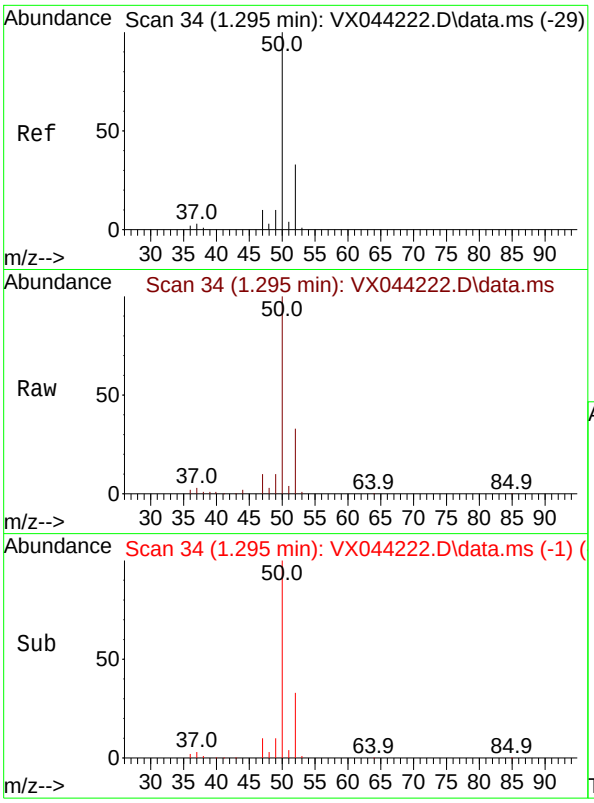




#2
Dichlorodifluoromethane
Concen: 50.957 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 85 Resp: 99052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.9 | 15.4 | 46.4 |



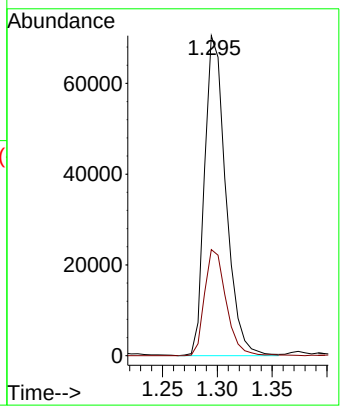


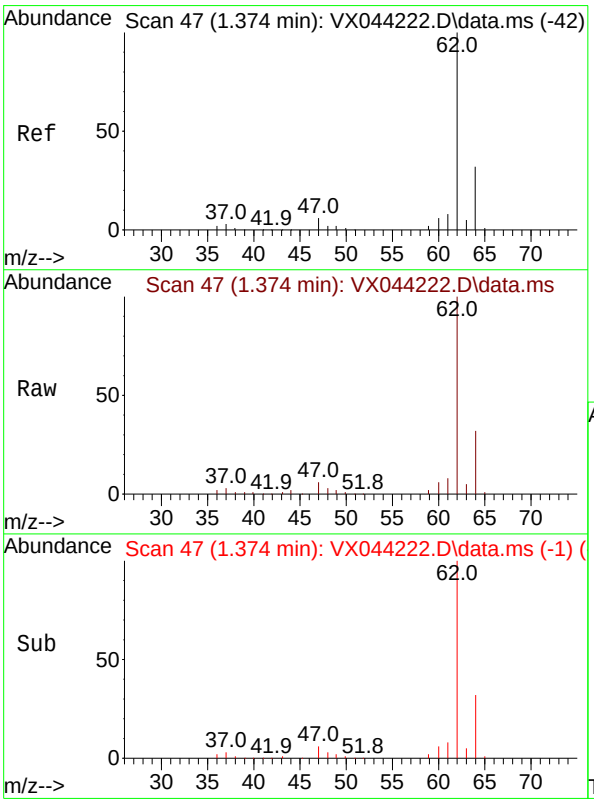

#3
Chloromethane
Concen: 51.097 ug/l
RT: 1.295 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 50 Resp: 94981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.1 | 26.5 | 39.7 |

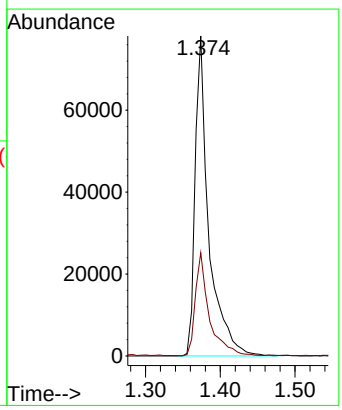


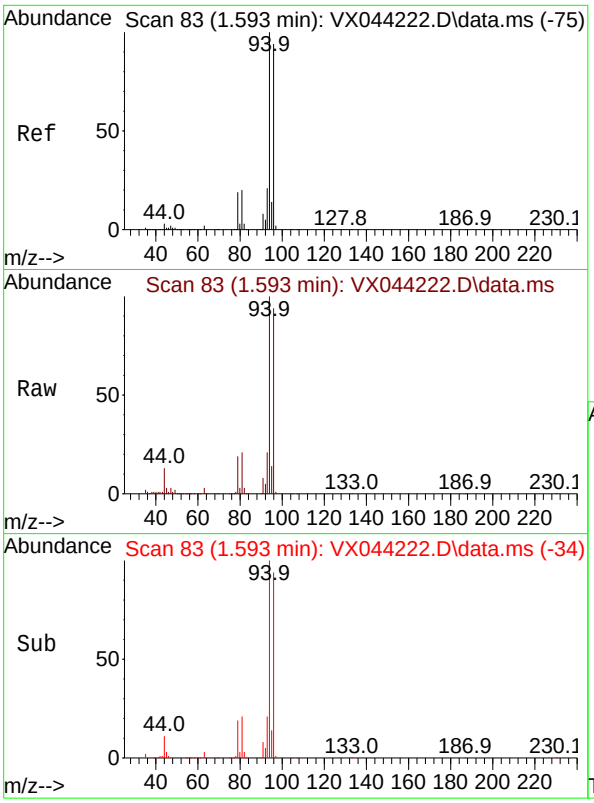




#4
Vinyl Chloride
Concen: 51.045 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 62 Resp: 98852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 25.7 | 38.5 |



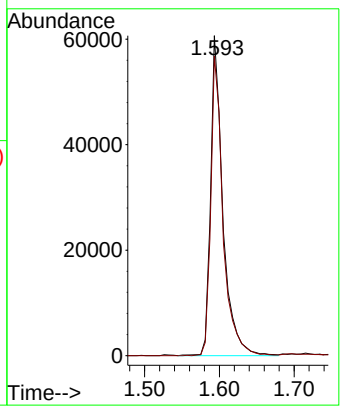


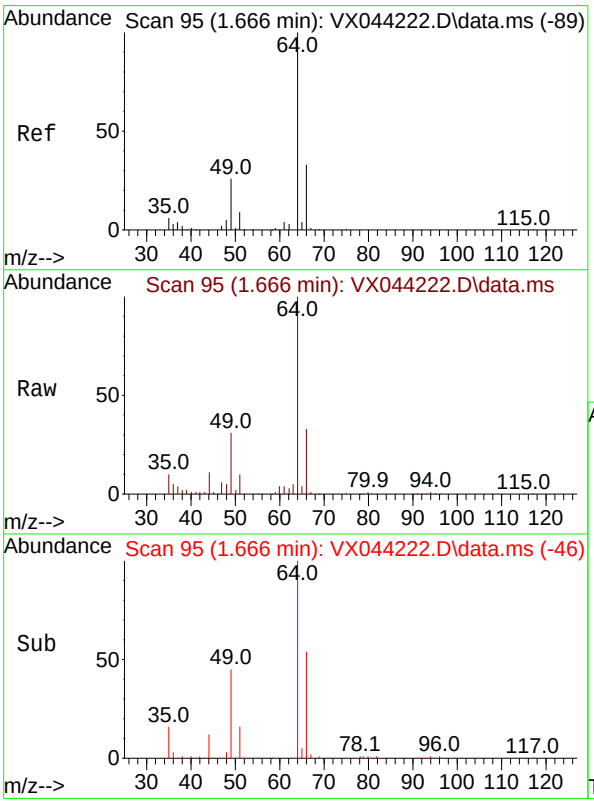

#5
Bromomethane
Concen: 50.405 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 94 Resp: 69250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.6 | 74.9 | 112.3 |

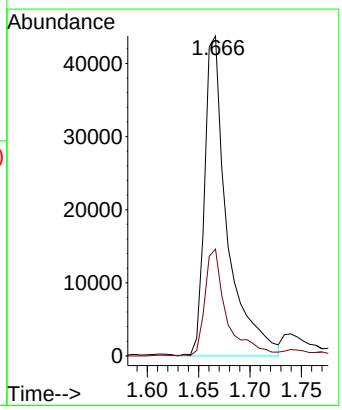


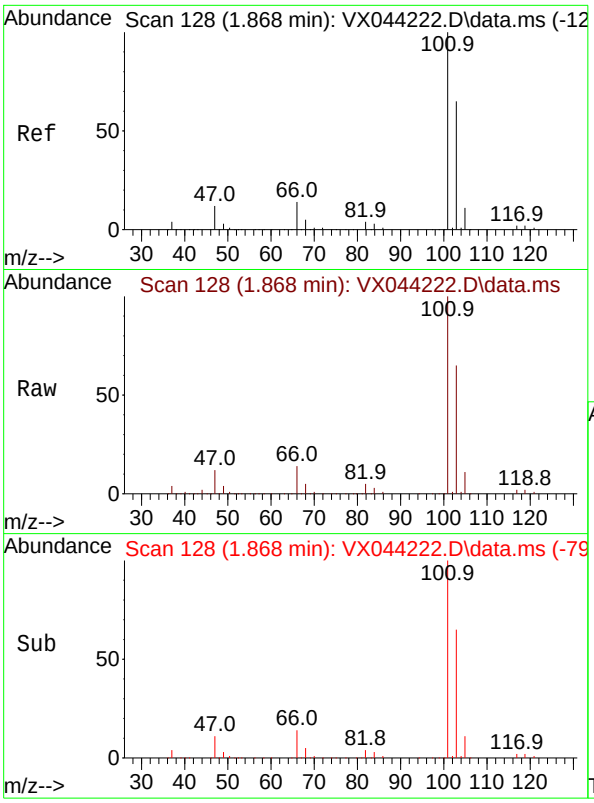




#6
Chloroethane
Concen: 55.448 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 64 Resp: 66862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.2 | 26.6 | 39.8 |



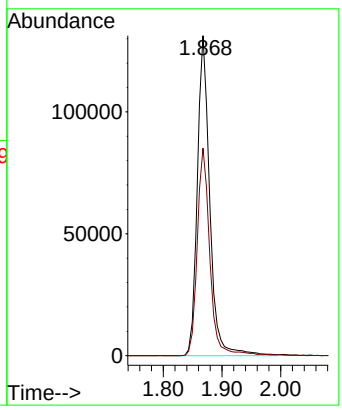


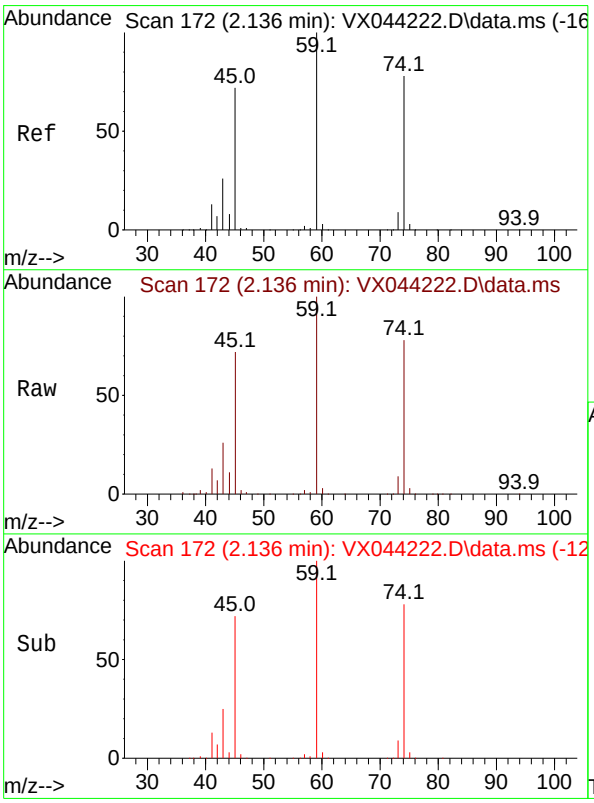

#7
Trichlorofluoromethane
Concen: 51.086 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 193676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.8 | 51.8 | 77.8 |

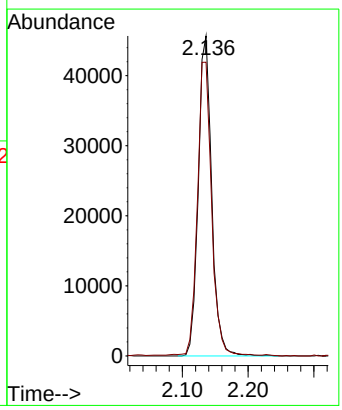


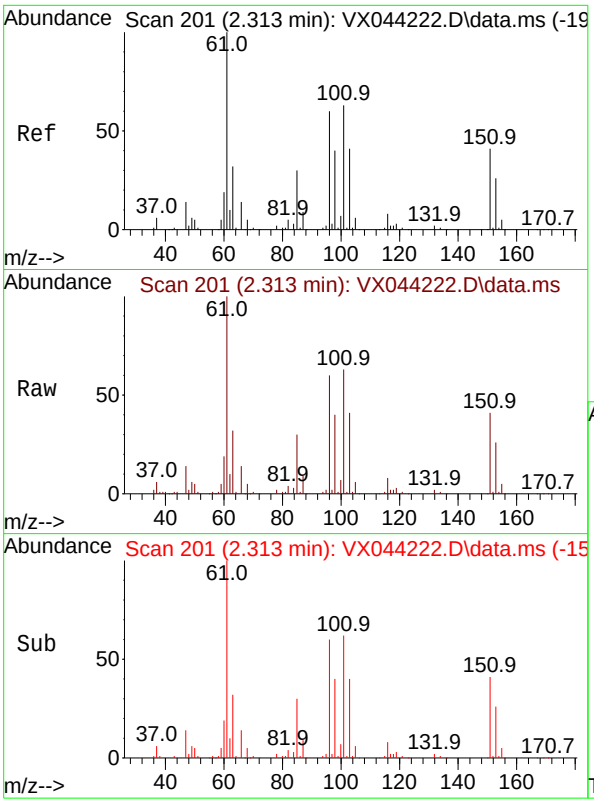




#8
Diethyl Ether
Concen: 49.875 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 74 Resp: 64542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.7 | 48.4 | 145.0 |



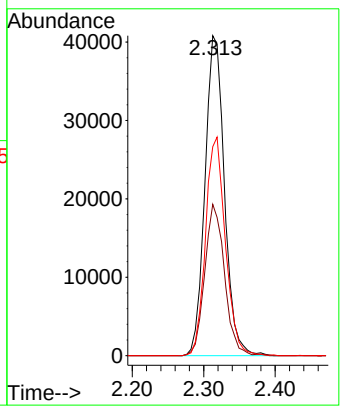


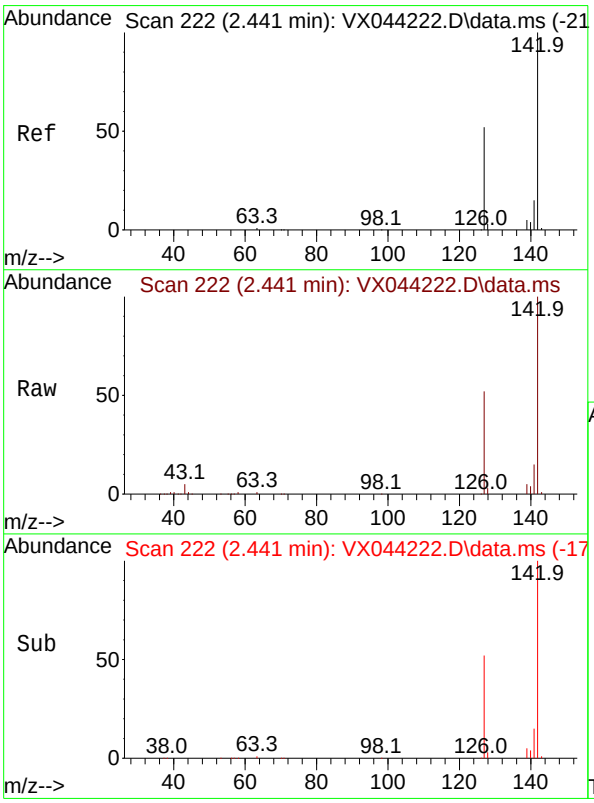

#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.371 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 77275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.1 | 38.5 | 57.7 |
| 151 | 69.7 | 55.8 | 83.6 |

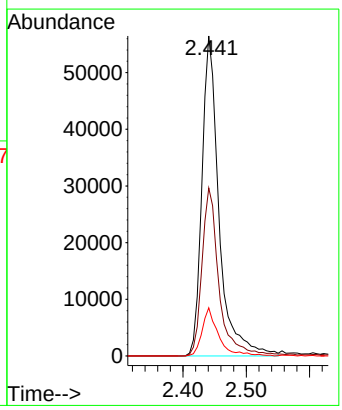


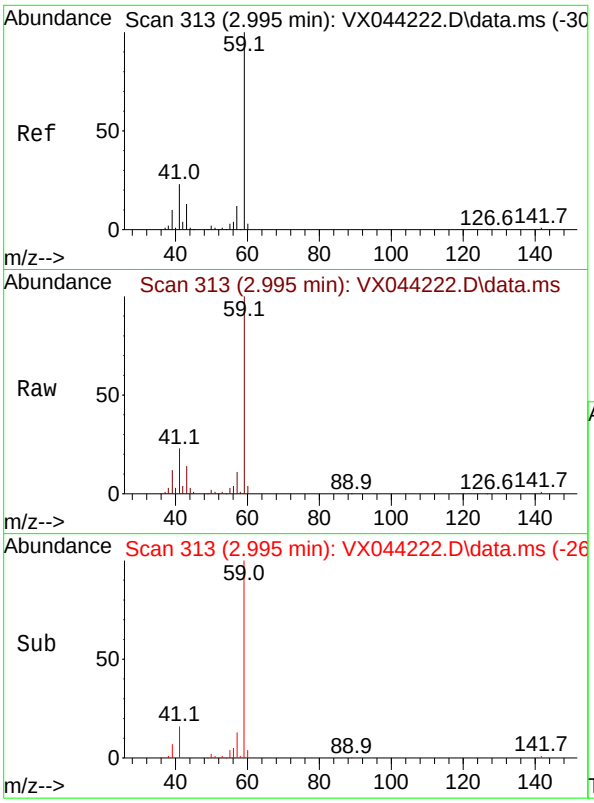




#10
Methyl Iodide
Concen: 52.678 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:142 Resp: 106509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.3 | 41.8 | 62.8 |
| 141 | 14.4 | 11.5 | 17.3 |



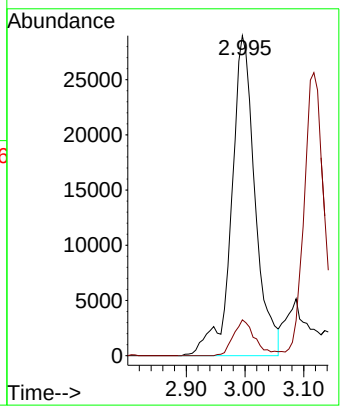


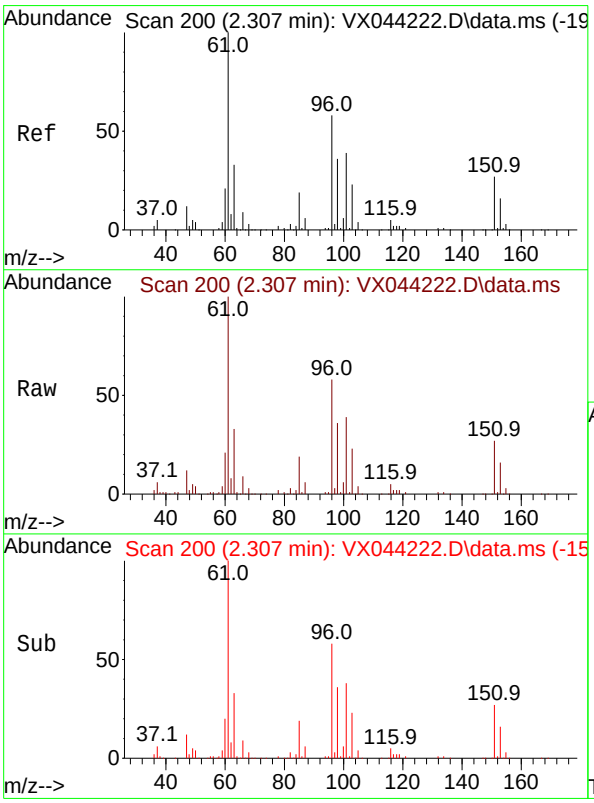

#11
Tert butyl alcohol
Concen: 261.121 ug/l
RT: 2.995 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 59 Resp: 80988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.8 | 13.2 |

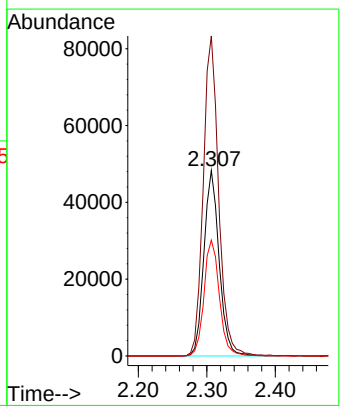


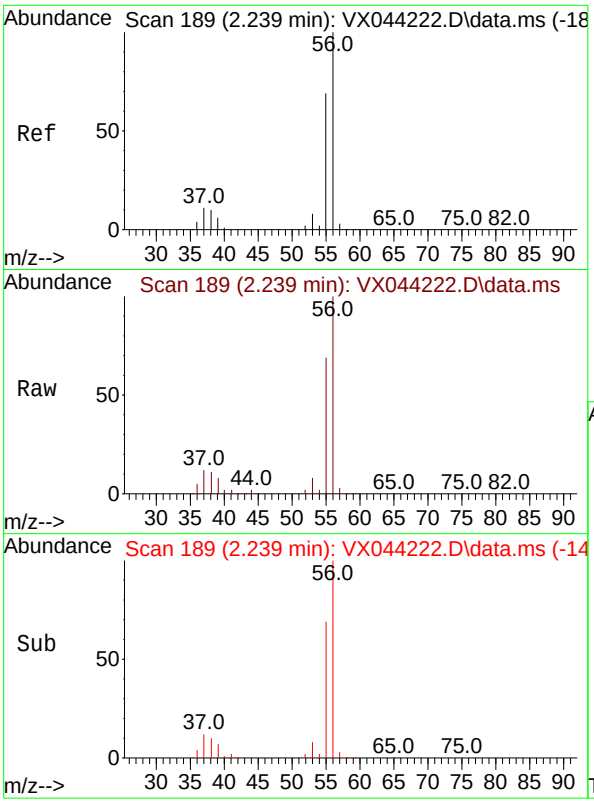




#12
1,1-Dichloroethene
Concen: 53.143 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 96 Resp: 74884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.5 | 138.0 | 207.0 |
| 98 | 62.5 | 50.0 | 75.0 |



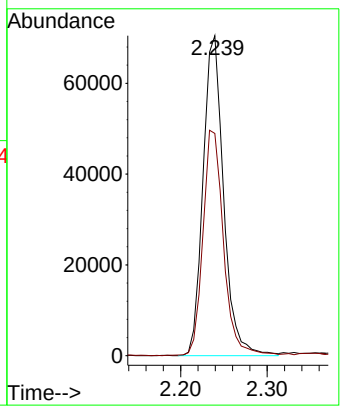


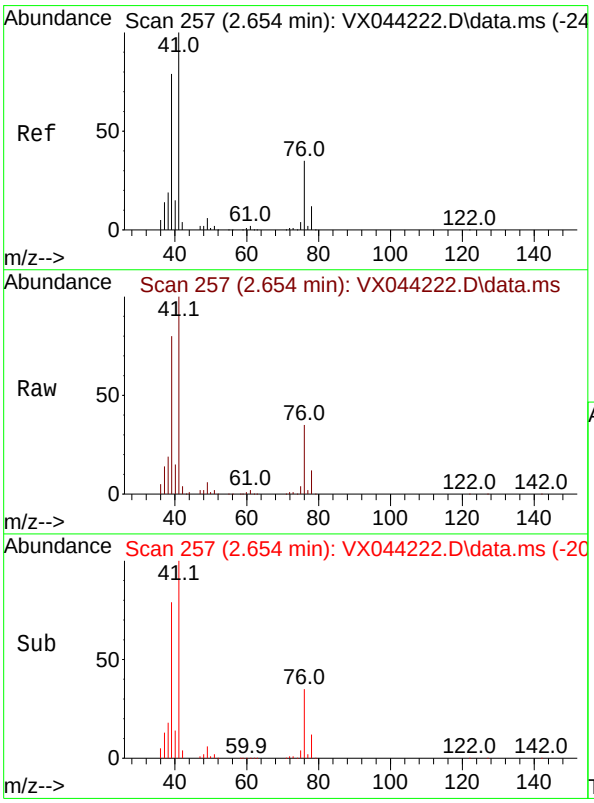

#13
Acrolein
Concen: 258.347 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 116171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 56.6 | 84.8 |

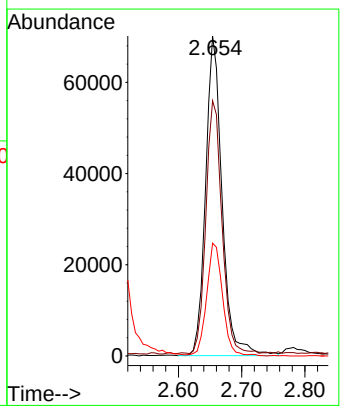


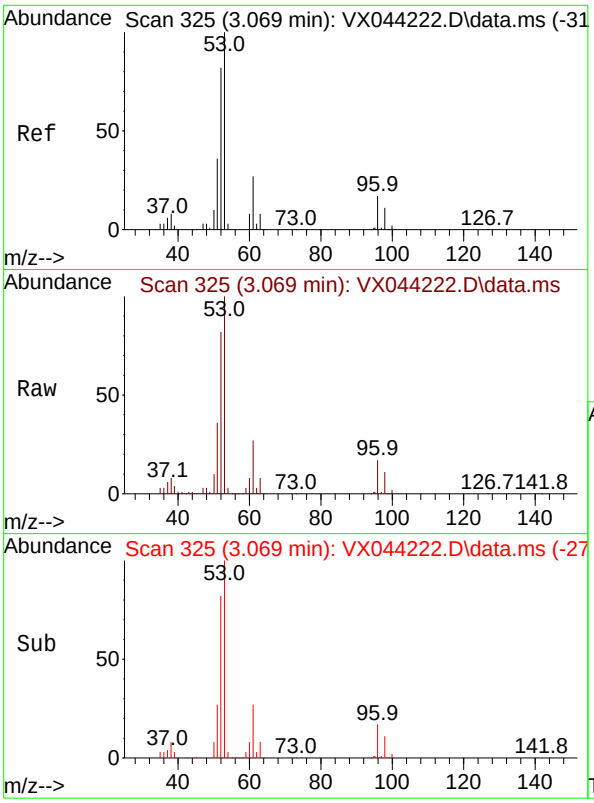




#14
Allyl chloride
Concen: 54.079 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 126925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.4 | 61.9 | 92.9 |
| 76 | 34.3 | 27.4 | 41.2 |



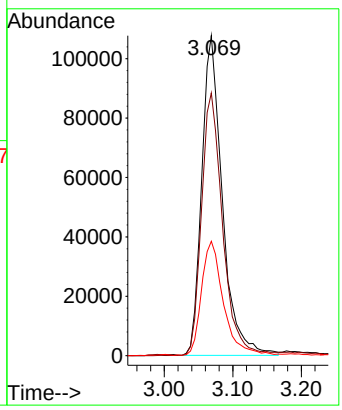


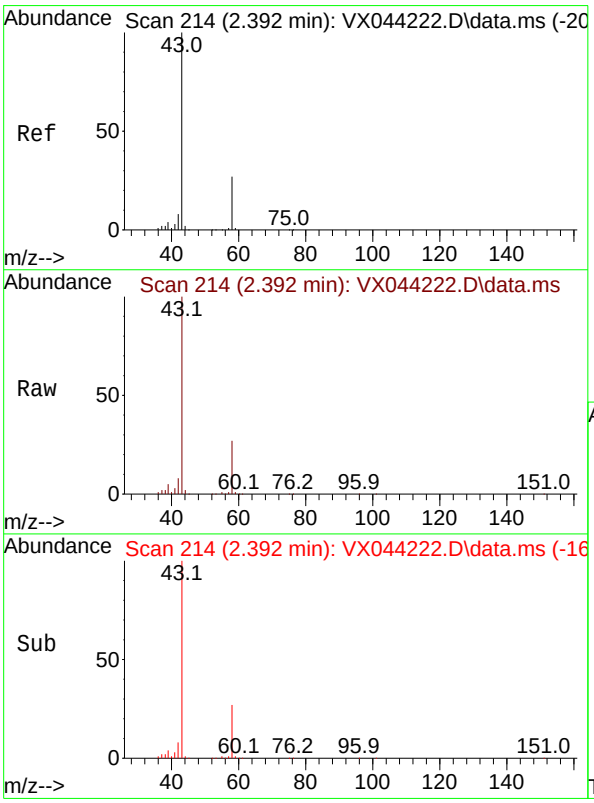

#15
Acrylonitrile
Concen: 261.859 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 53 Resp: 225330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.2 | 67.4 | 101.0 |
| 51 | 37.9 | 30.3 | 45.5 |

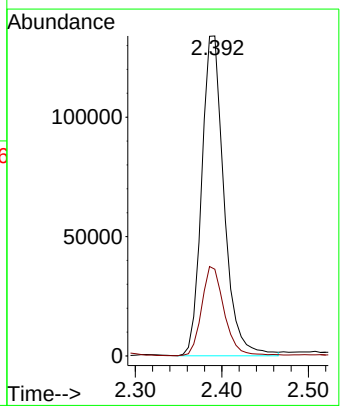


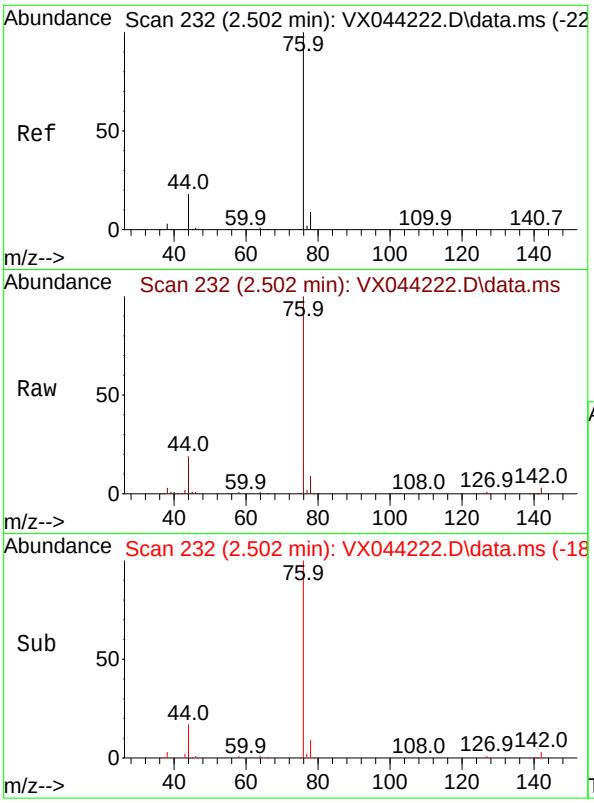




#16
Acetone
Concen: 266.704 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 239661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.0 | 21.6 | 32.4 |



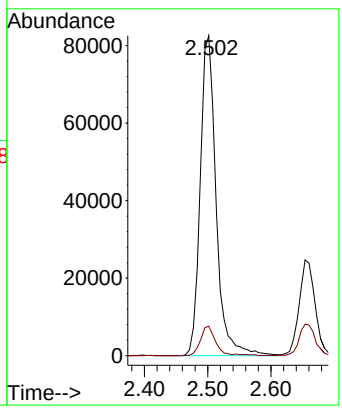


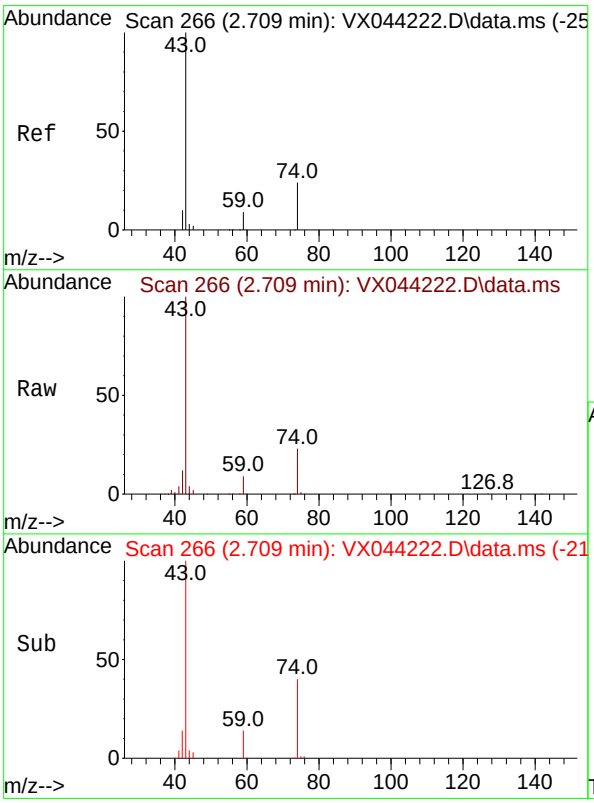

#17
Carbon Disulfide
Concen: 53.994 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 144624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |

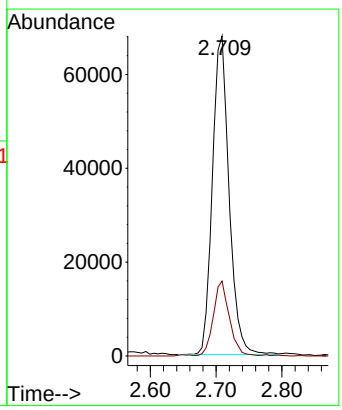


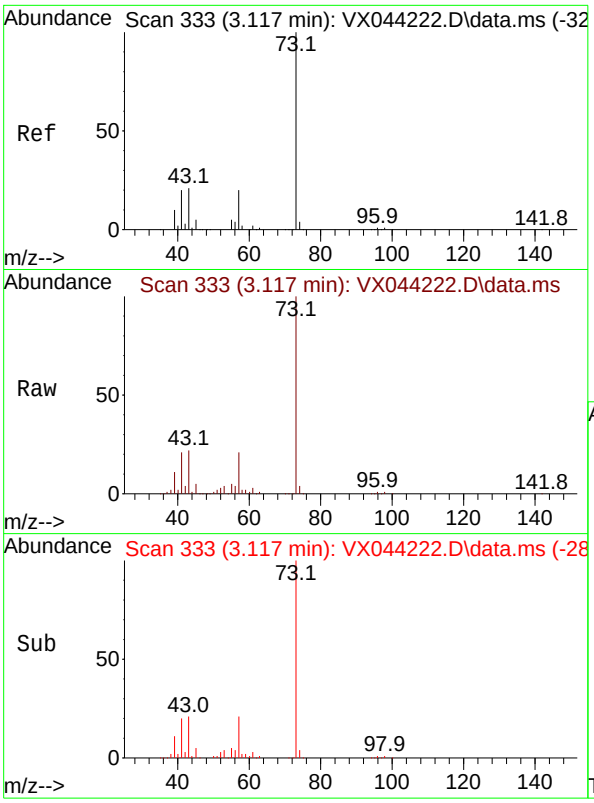




#18
Methyl Acetate
Concen: 51.710 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 119808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 17.7 | 26.5 |



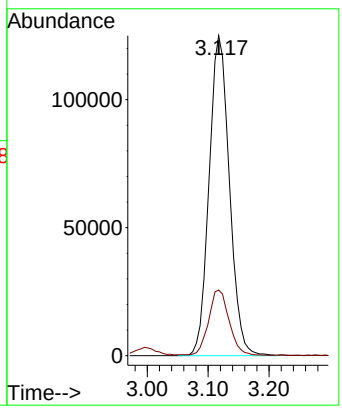


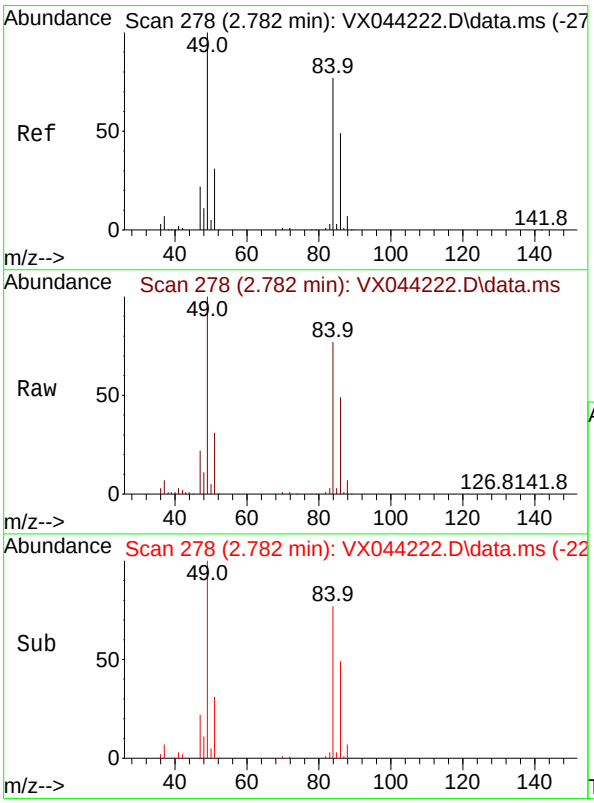

#19
Methyl tert-butyl Ether
Concen: 52.691 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 73 Resp: 289735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 16.2 | 24.4 |

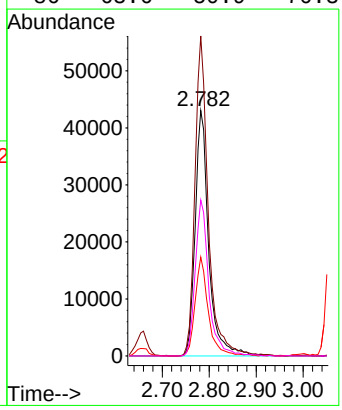


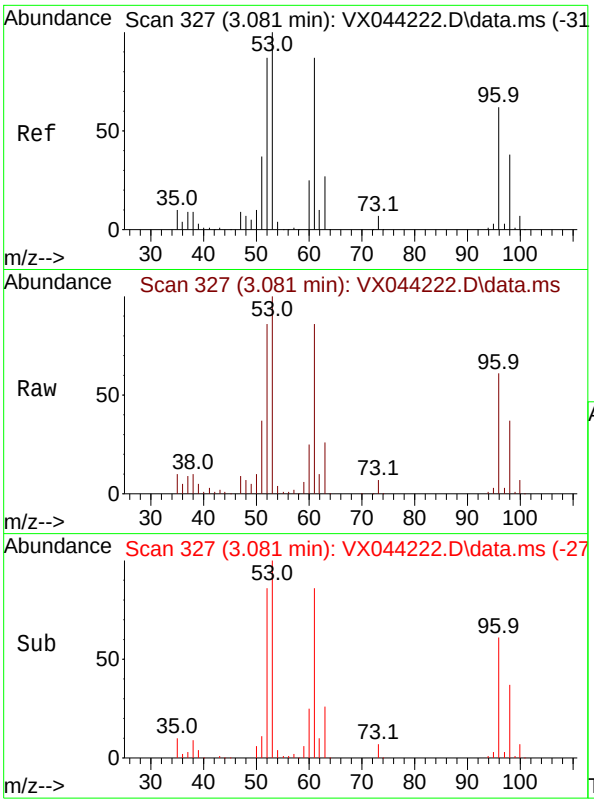




#20
Methylene Chloride
Concen: 51.305 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 84 Resp: 86593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.3 | 104.2 | 156.4 |
| 51 | 40.3 | 32.2 | 48.4 |
| 86 | 63.6 | 50.9 | 76.3 |



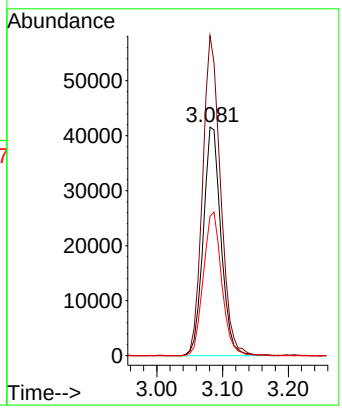


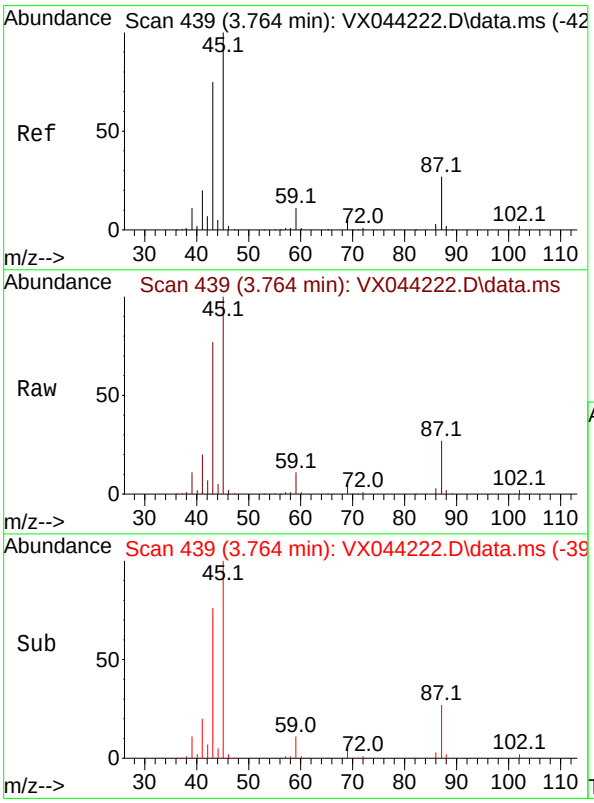

#21
trans-1,2-Dichloroethene
Concen: 51.974 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 77834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.0 | 112.0 | 168.0 |
| 98 | 61.0 | 48.8 | 73.2 |

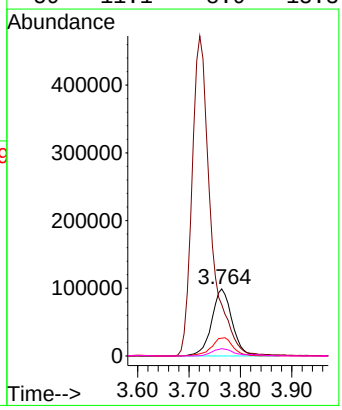


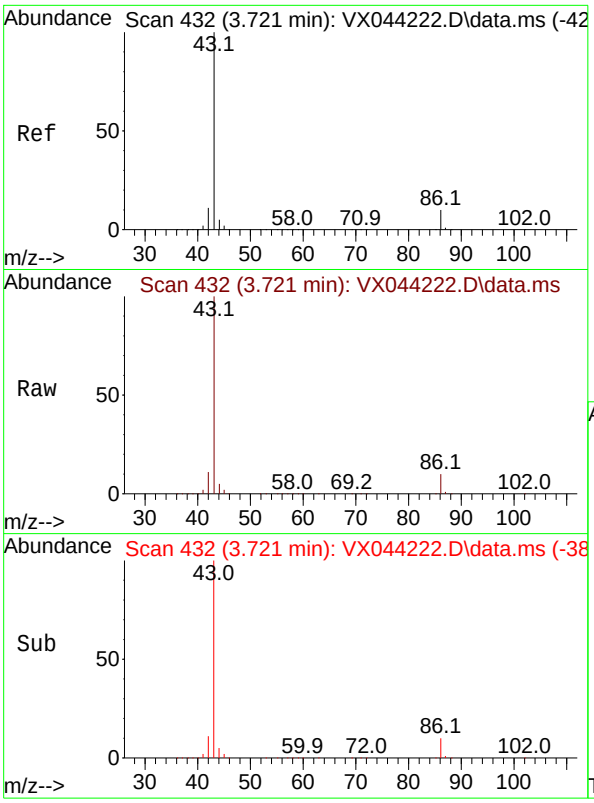




#22
Diisopropyl ether
Concen: 51.662 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 45 Resp: 273039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 75.2 | 60.2 | 90.2 |
| 87 | 26.5 | 21.2 | 31.8 |
| 59 | 11.1 | 8.9 | 13.3 |



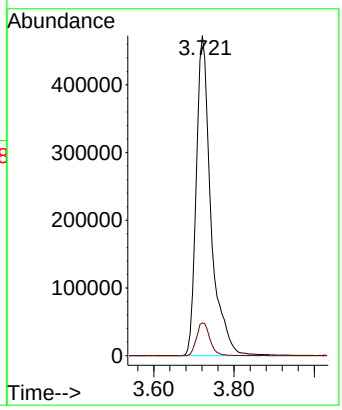


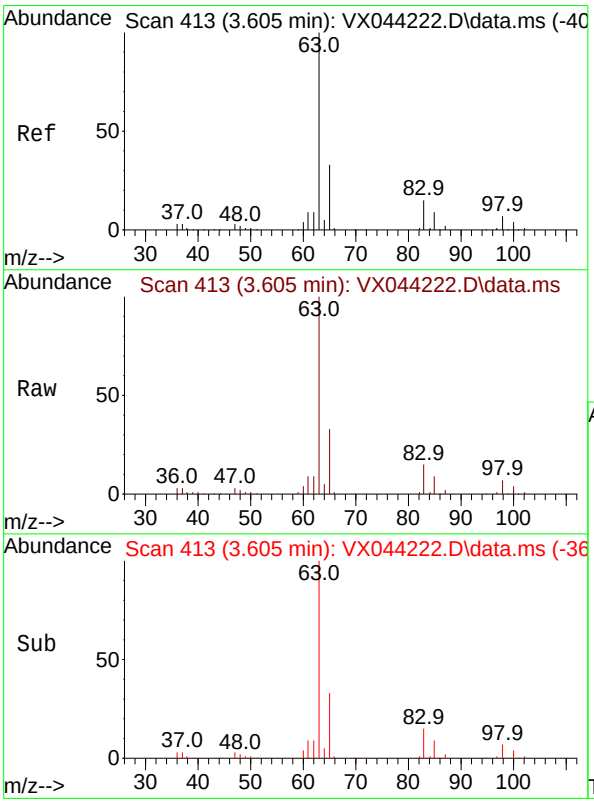

#23
Vinyl Acetate
Concen: 279.754 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 1202044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

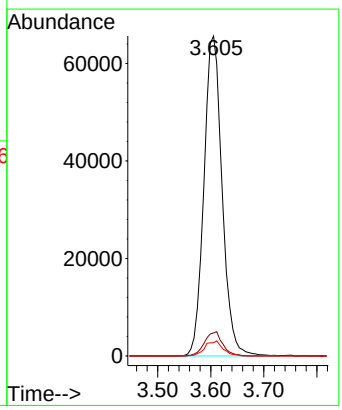


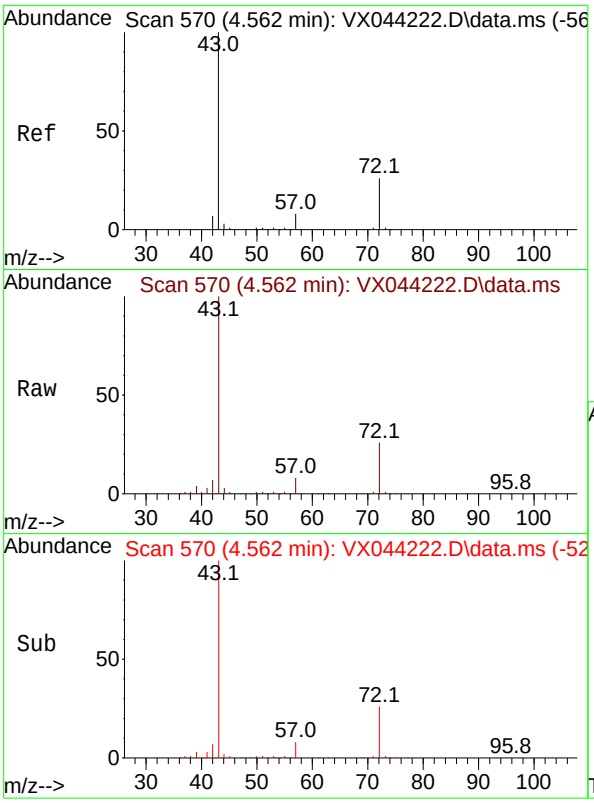




#24
1,1-Dichloroethane
Concen: 53.093 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 156412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.6 | 10.8 |
| 100 | 4.2 | 2.1 | 6.3 |



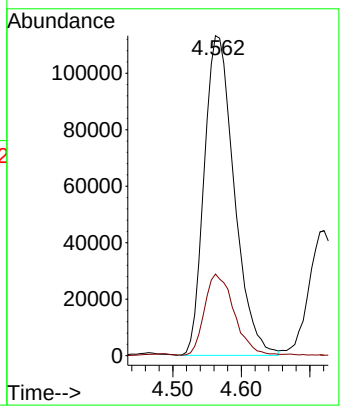


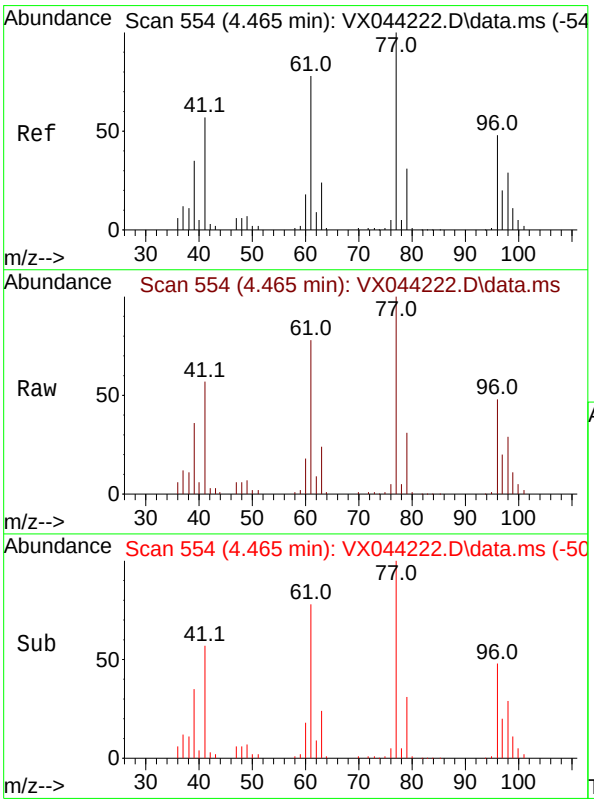

#25
2-Butanone
Concen: 269.797 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 344663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 20.2 | 30.4 |

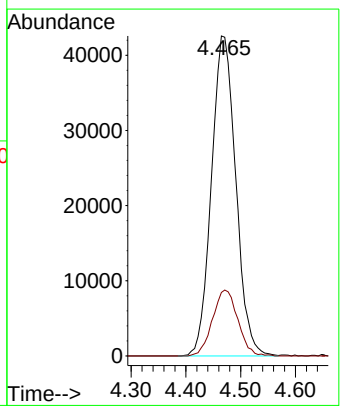


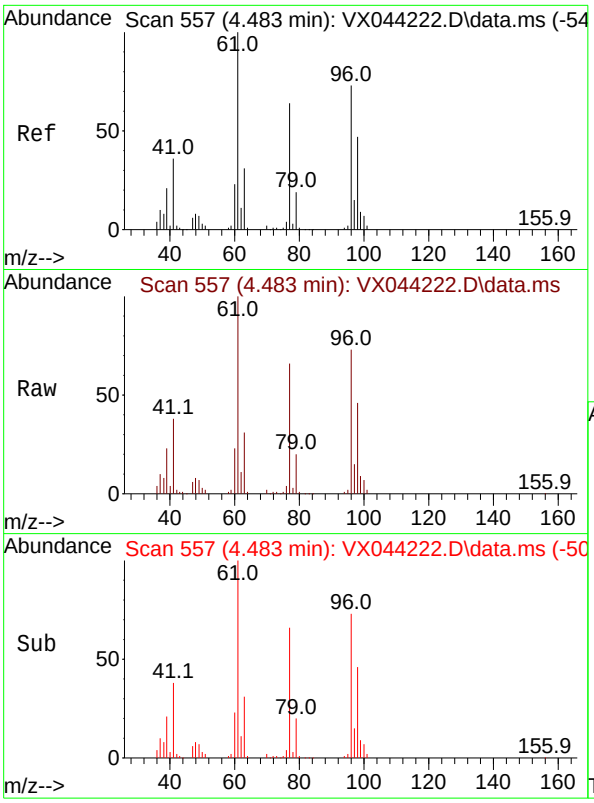




#26
2,2-Dichloropropane
Concen: 54.914 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 77 Resp: 131428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.7 | 32.1 |



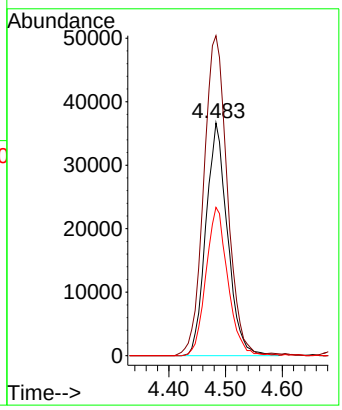


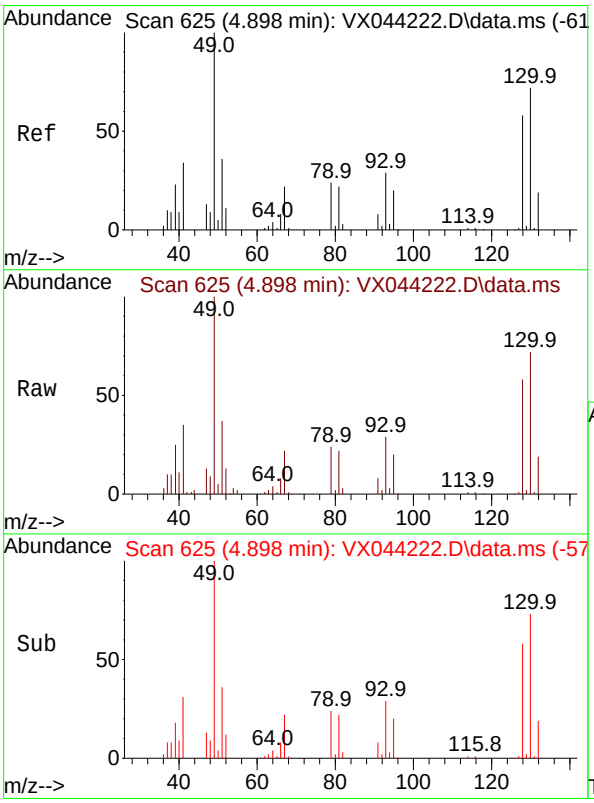

#27
cis-1,2-Dichloroethene
Concen: 51.007 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 97013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.5 | 0.0 | 299.0 |
| 98 | 64.5 | 0.0 | 129.0 |

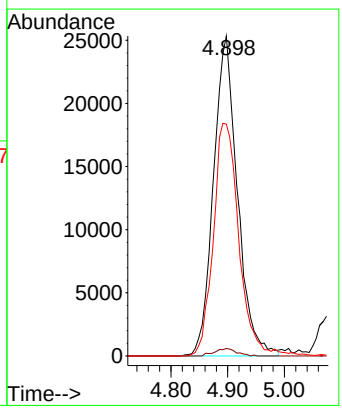


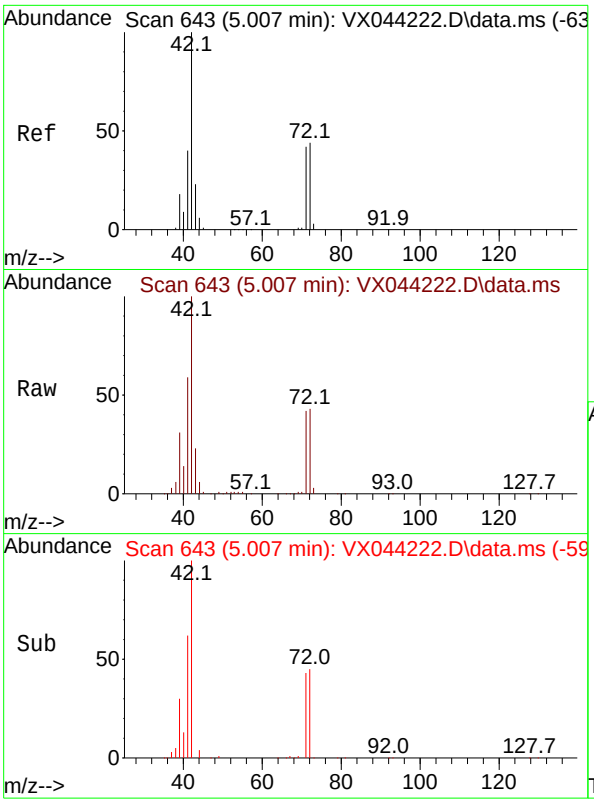




#28
Bromochloromethane
Concen: 51.555 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 49 Resp: 74477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.2 |
| 130 | 77.6 | 62.1 | 93.1 |



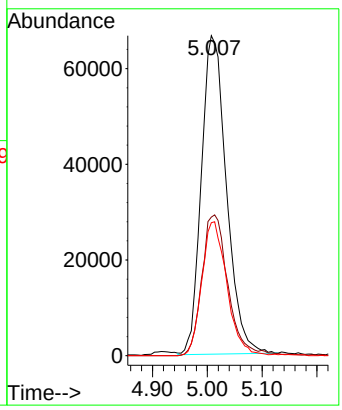


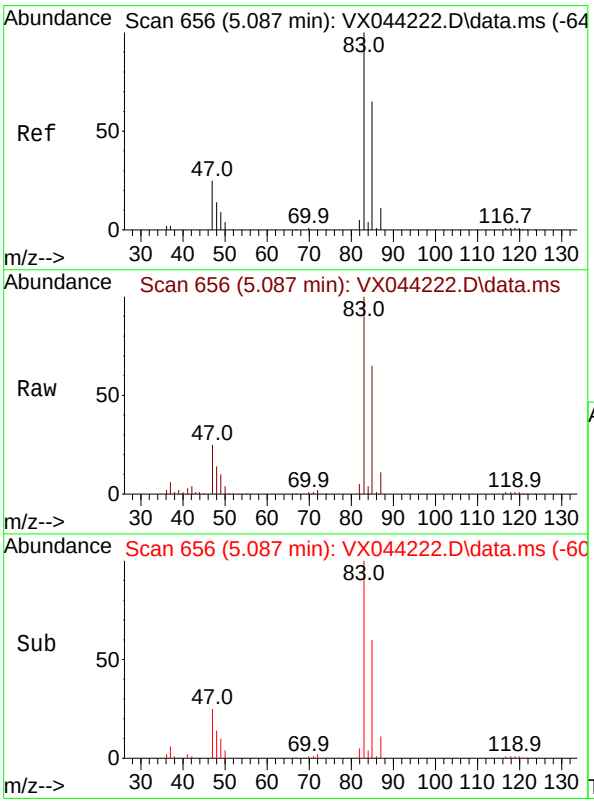

#29
Tetrahydrofuran
Concen: 258.669 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 42 Resp: 212103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.3 | 37.0 | 55.6 |
| 71 | 42.0 | 33.6 | 50.4 |

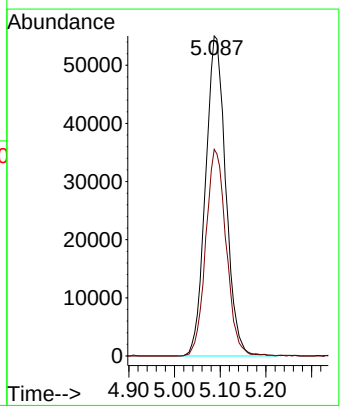


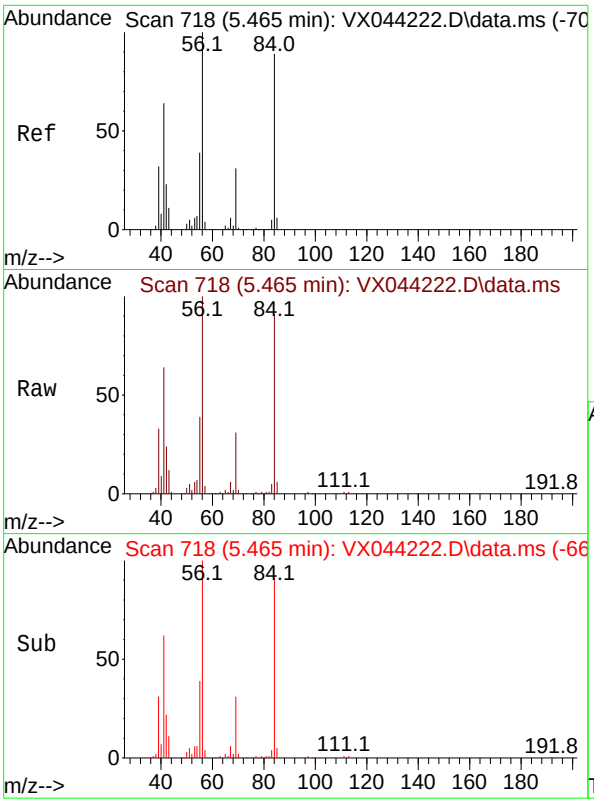




#30
Chloroform
Concen: 51.017 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 168864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.6 | 77.4 |



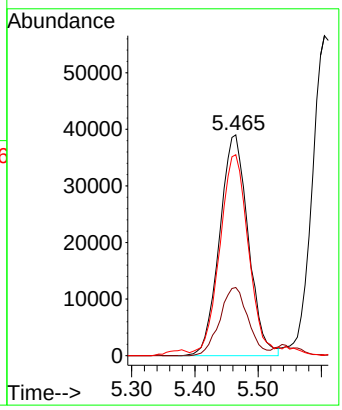


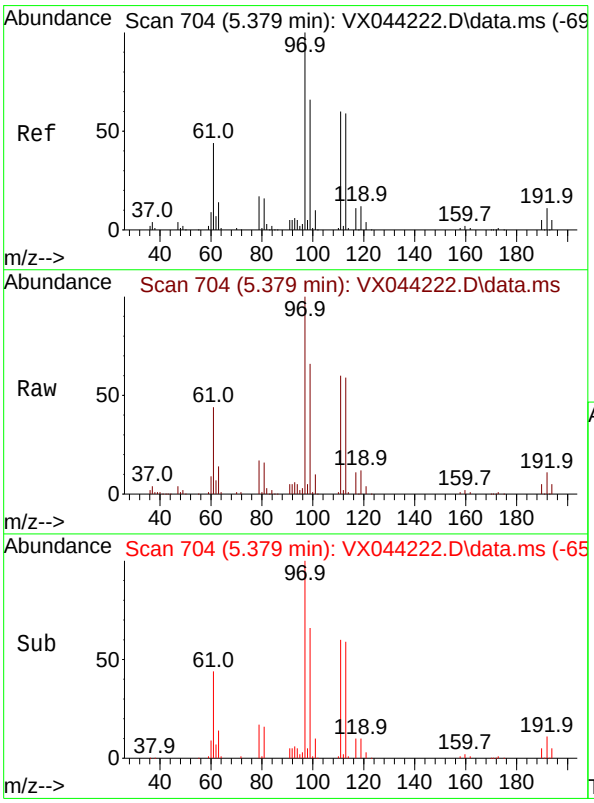

#31
Cyclohexane
Concen: 51.637 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 122841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 24.7 | 37.1 |
| 84 | 88.8 | 71.0 | 106.6 |

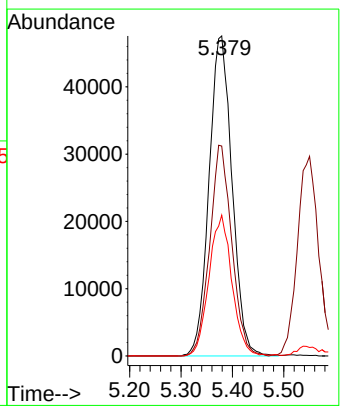


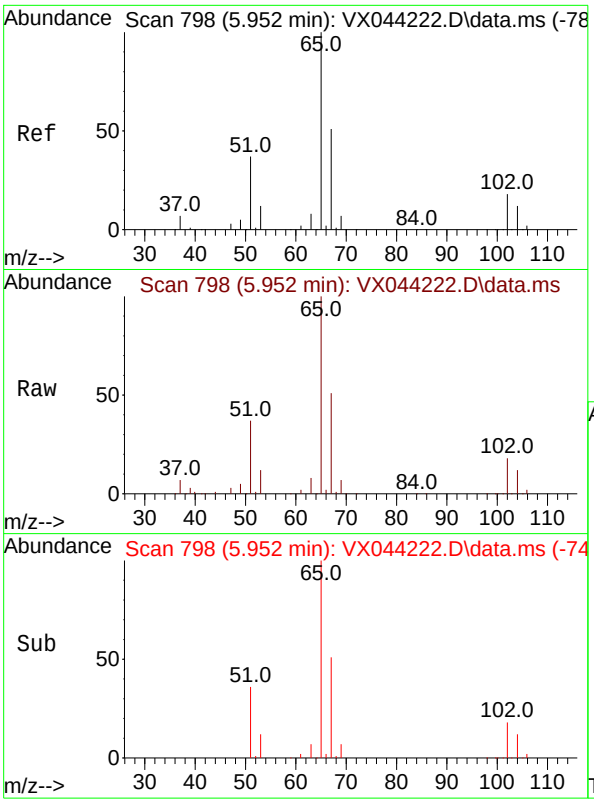




#32
1,1,1-Trichloroethane
Concen: 53.806 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 97 Resp: 147834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 50.8 | 76.2 |
| 61 | 44.0 | 35.2 | 52.8 |



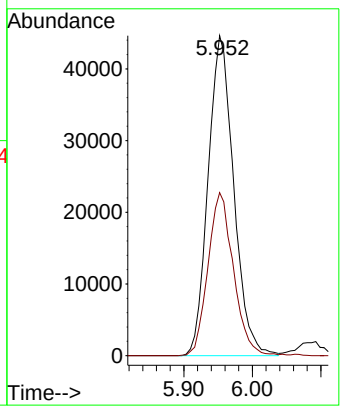


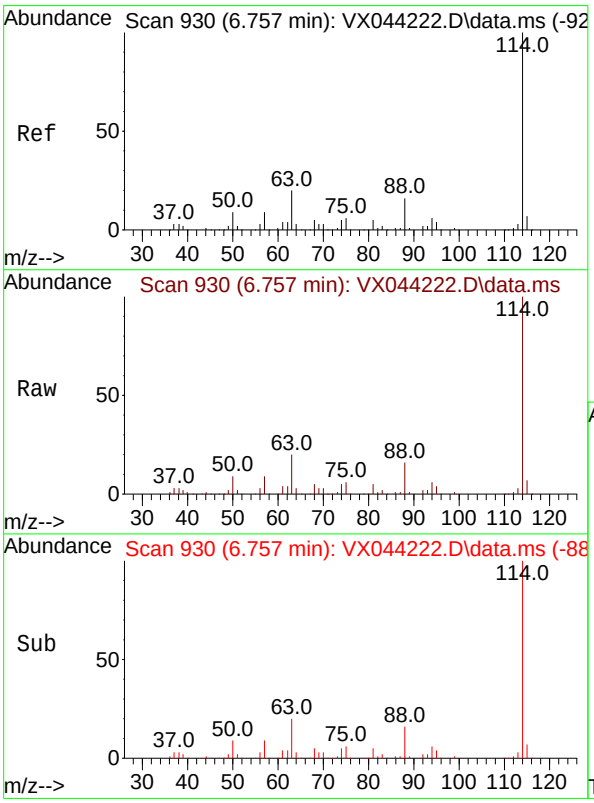

#33
1,2-Dichloroethane-d4
Concen: 52.544 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 65 Resp: 115815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.8 | 0.0 | 101.6 |

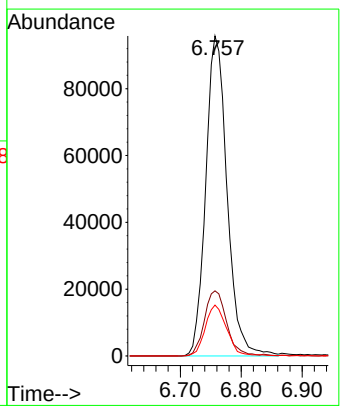


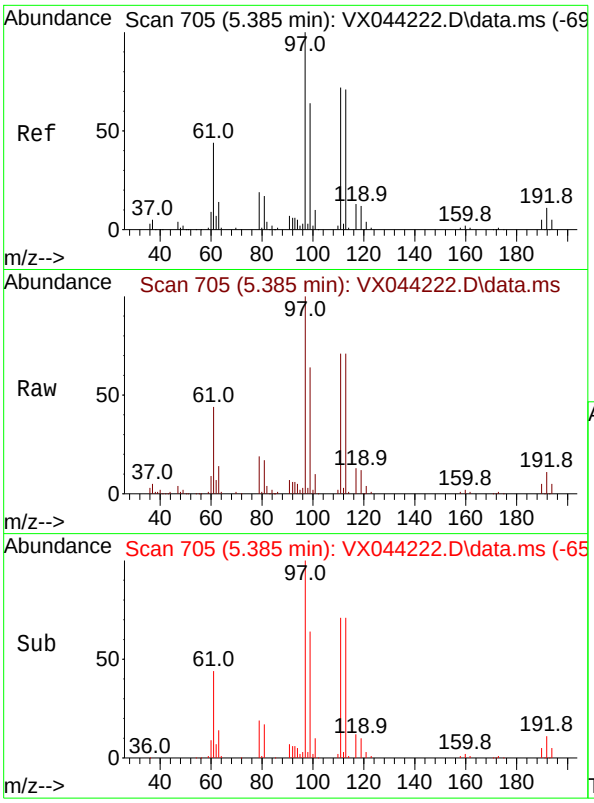




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:114 Resp: 233488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 40.6 |
| 88 | 15.9 | 0.0 | 31.8 |



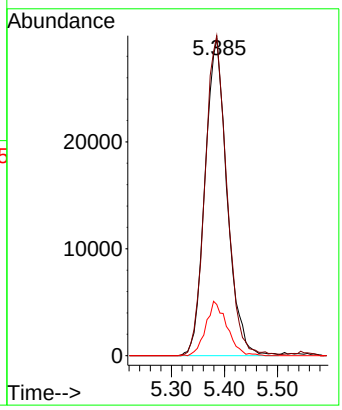


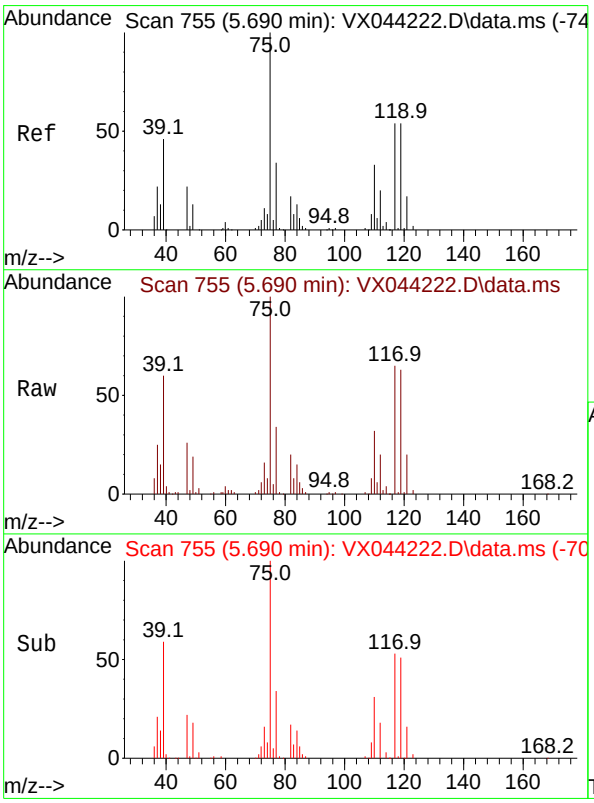

#35
Dibromofluoromethane
Concen: 52.968 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 85656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.5 | 80.4 | 120.6 |
| 192 | 16.6 | 13.3 | 19.9 |

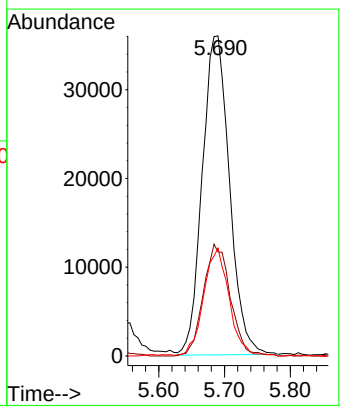


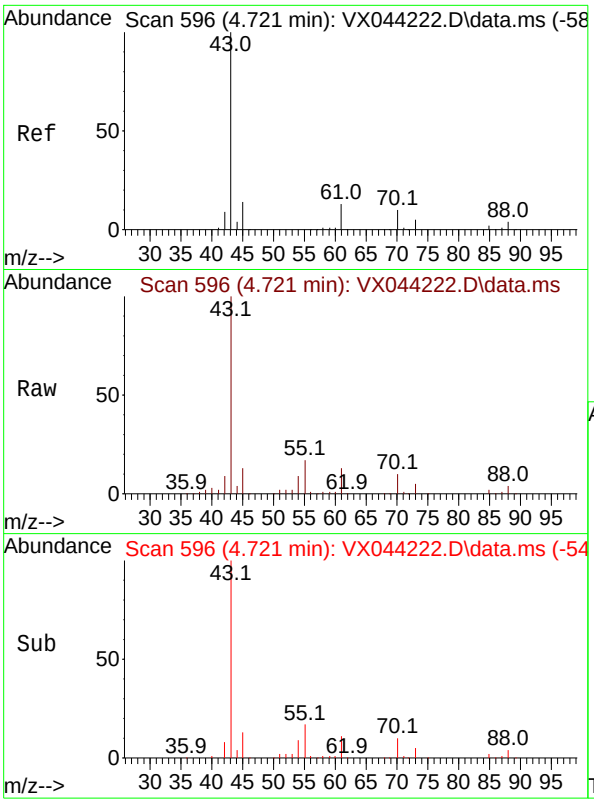




#36
1,1-Dichloropropene
Concen: 49.638 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 103760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.5 | 17.3 | 51.7 |
| 77 | 31.7 | 25.4 | 38.0 |



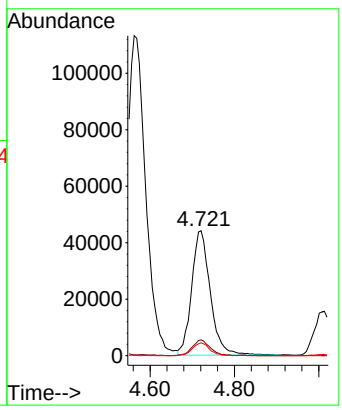


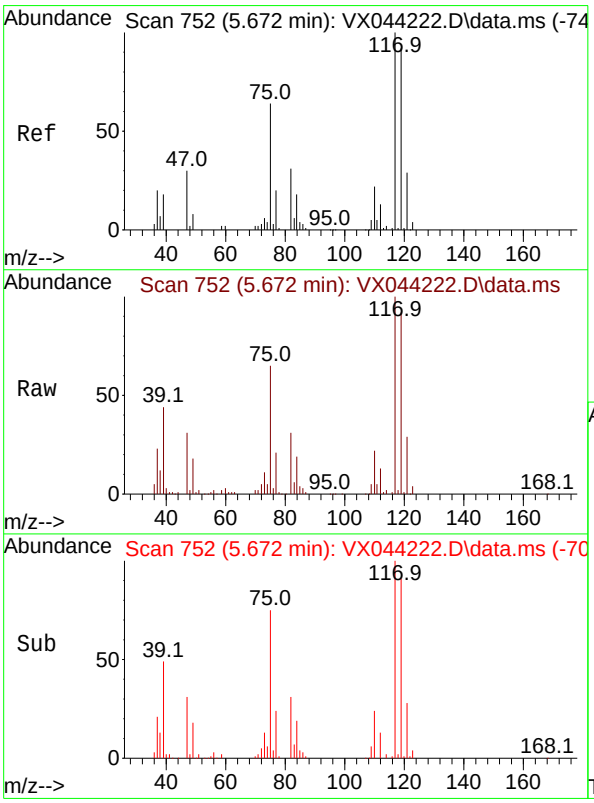

#37
Ethyl Acetate
Concen: 52.537 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 135753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.8 | 14.8 |
| 70 | 9.6 | 7.7 | 11.5 |

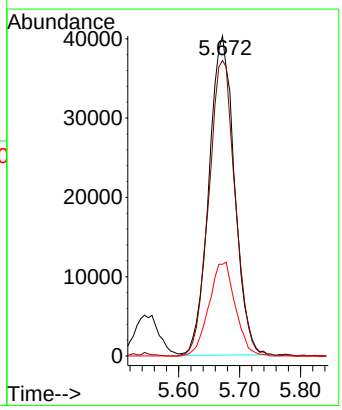


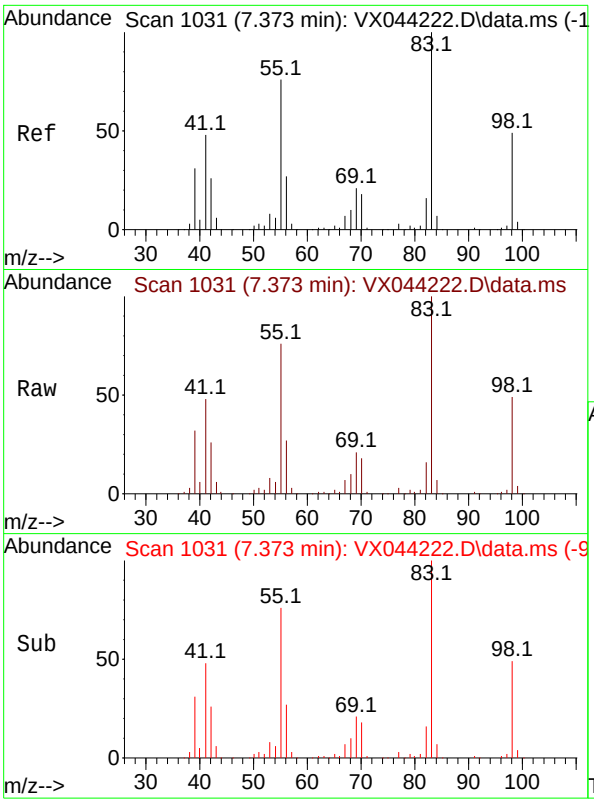




#38
Carbon Tetrachloride
Concen: 52.023 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 117076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.8 | 74.2 | 111.4 |
| 121 | 28.8 | 23.0 | 34.6 |



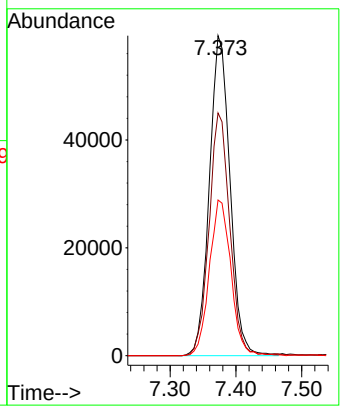


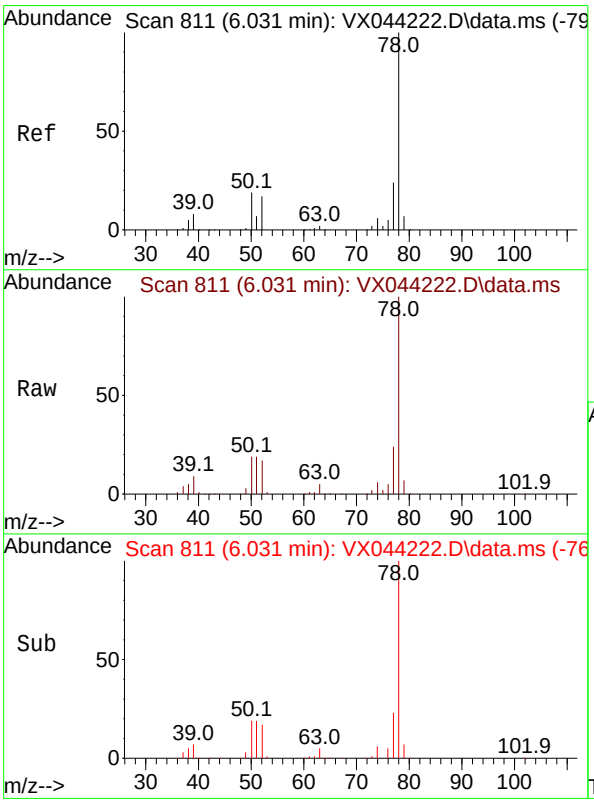

#39
Methylcyclohexane
Concen: 51.901 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 129697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.9 | 60.7 | 91.1 |
| 98 | 48.6 | 38.9 | 58.3 |

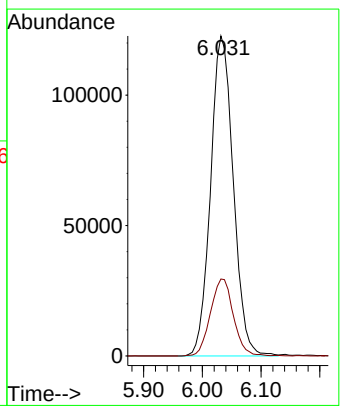


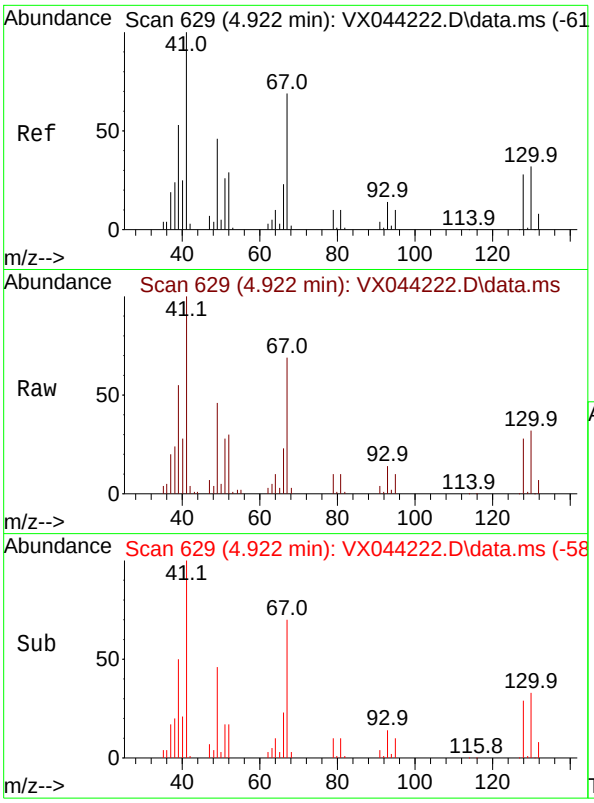




#40
Benzene
Concen: 51.863 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 78 Resp: 329154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.3 | 28.9 |



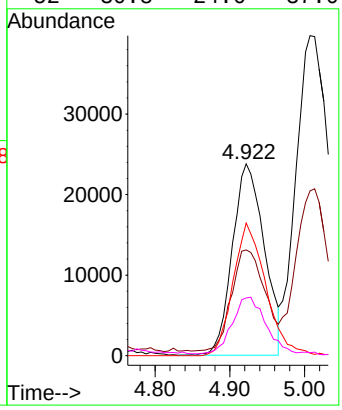


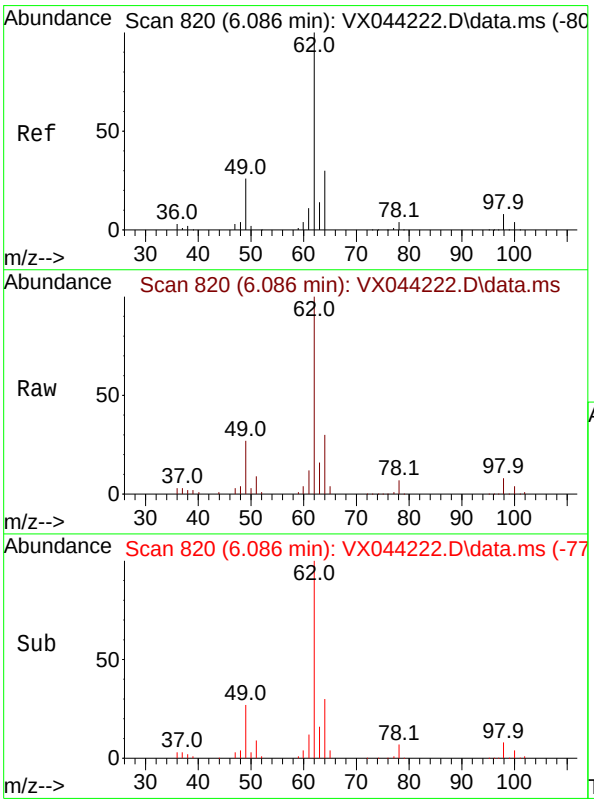

#41
Methacrylonitrile
Concen: 51.329 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 41 Resp: 70427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.3 | 44.2 | 66.4 |
| 67 | 71.5 | 57.2 | 85.8 |
| 52 | 30.8 | 24.6 | 37.0 |

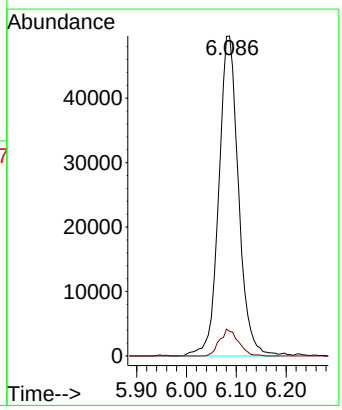


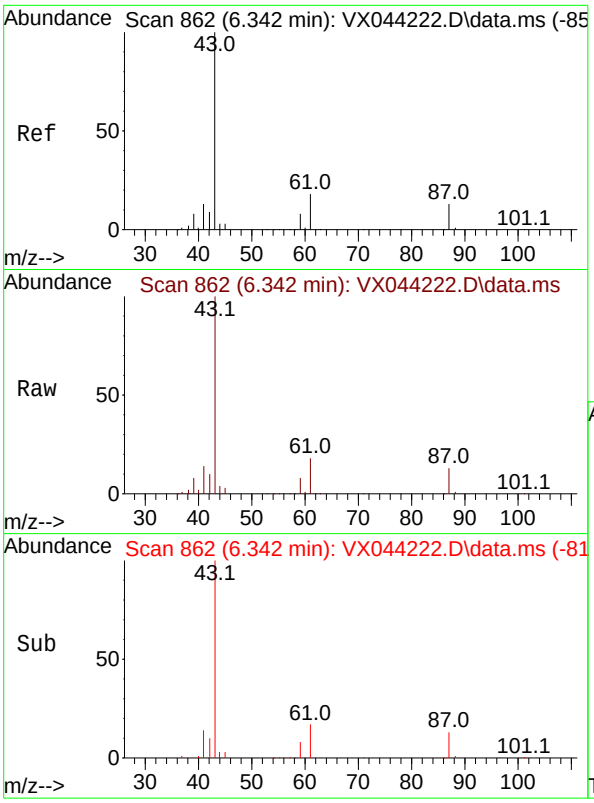




#42
1,2-Dichloroethane
Concen: 52.138 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 62 Resp: 136309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.9 | 0.0 | 15.8 |



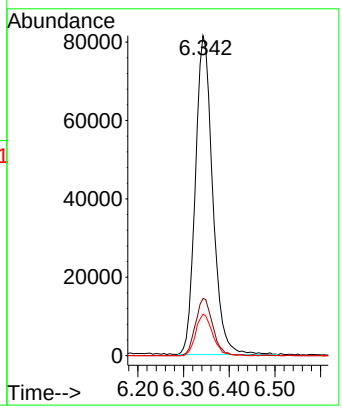


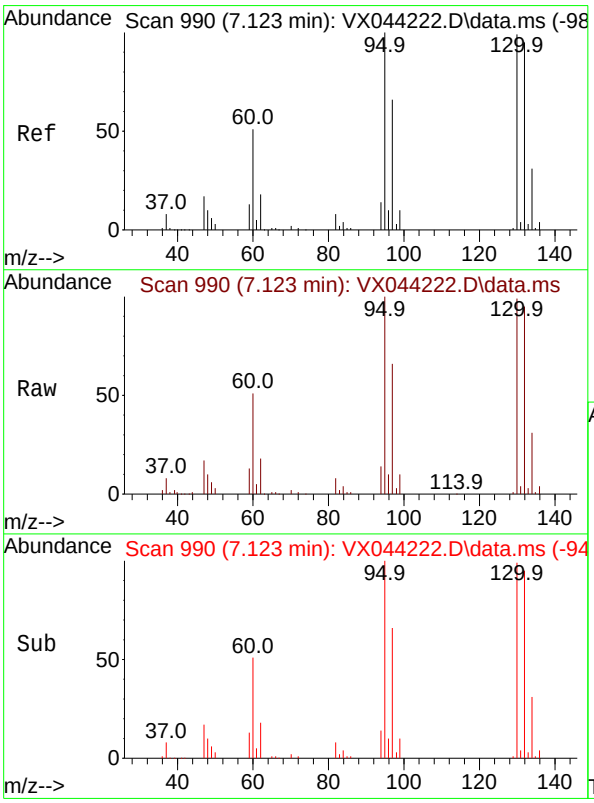

#43
Isopropyl Acetate
Concen: 52.961 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 213891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.7 | 14.2 | 21.2 |
| 87 | 12.7 | 10.2 | 15.2 |

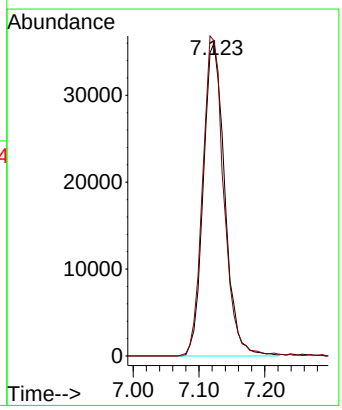


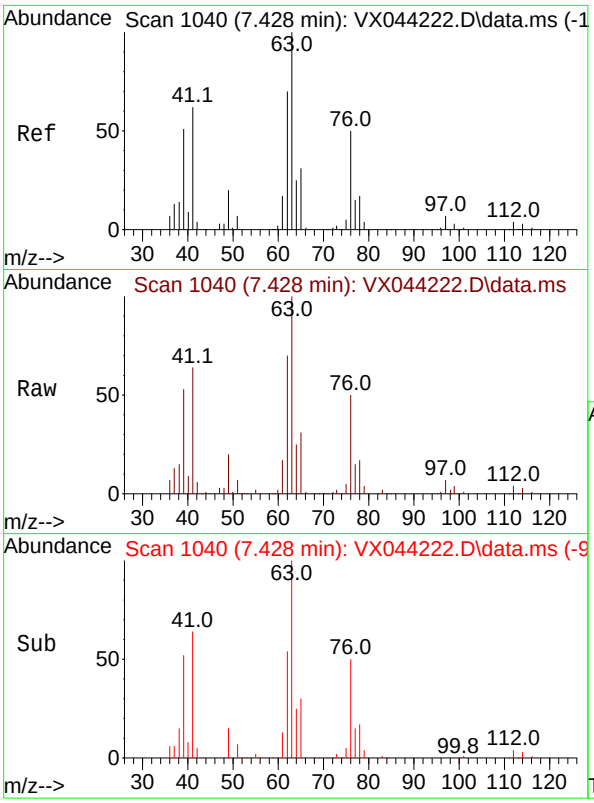




#44
Trichloroethene
Concen: 51.521 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:130 Resp: 81542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.7 | 0.0 | 201.4 |



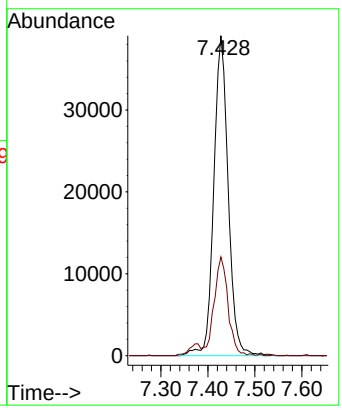


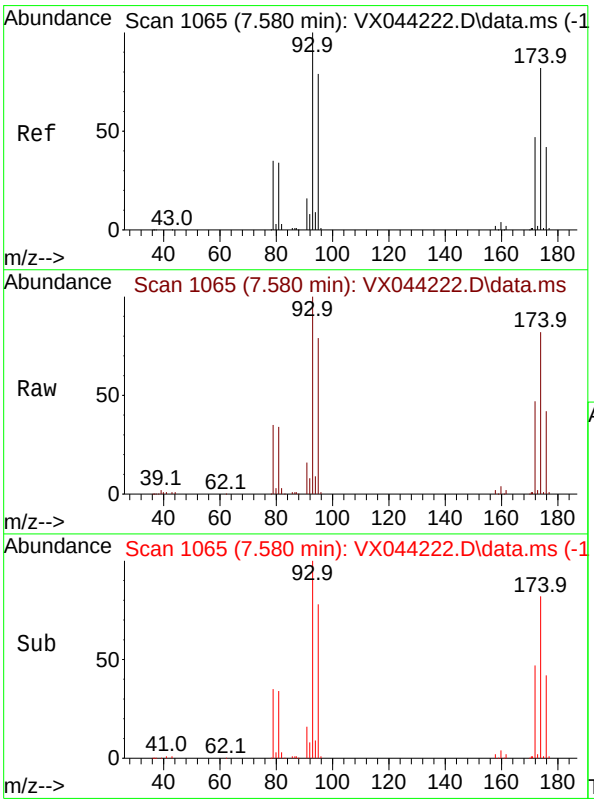

#45
1,2-Dichloropropane
Concen: 51.420 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 63 Resp: 83376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 24.6 | 37.0 |

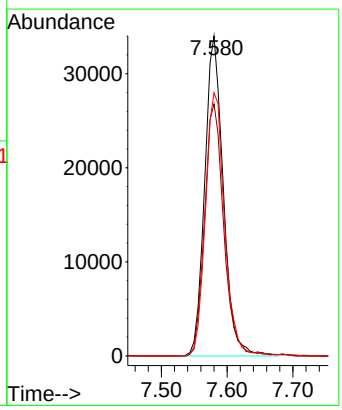


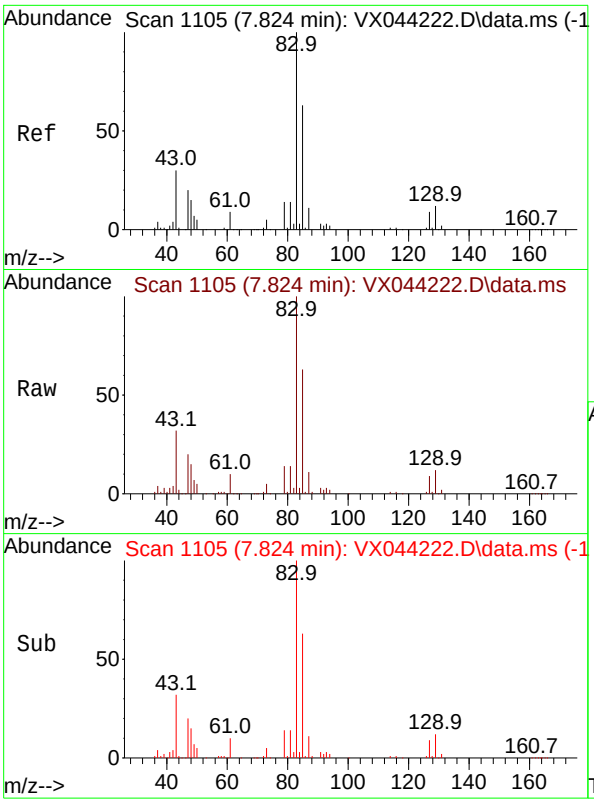




#46
Dibromomethane
Concen: 53.092 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 93 Resp: 66786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.8 | 65.4 | 98.2 |
| 174 | 84.9 | 67.9 | 101.9 |



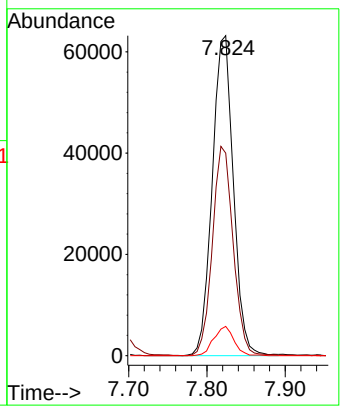


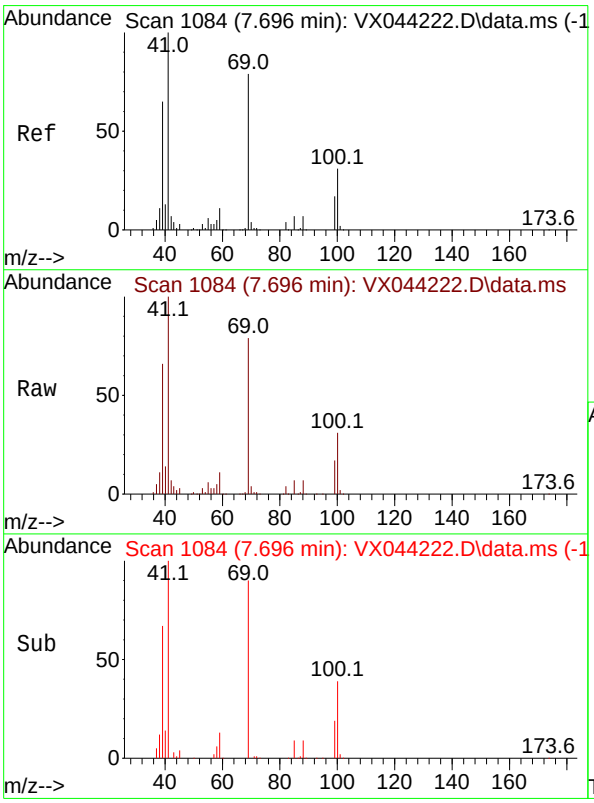

#47
Bromodichloromethane
Concen: 54.607 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 118634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 50.6 | 75.8 |
| 127 | 9.1 | 7.3 | 10.9 |

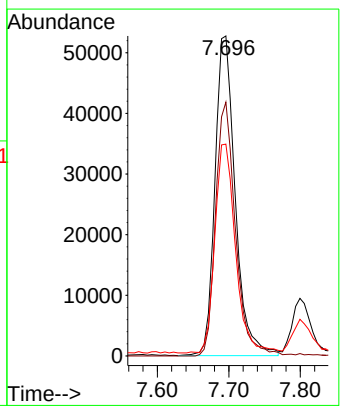


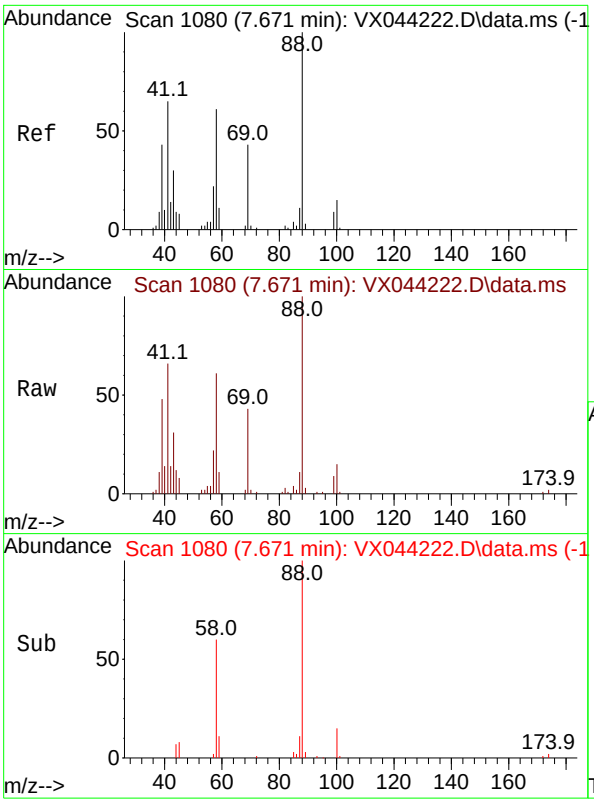




#48
Methyl methacrylate
Concen: 52.909 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 103726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.0 | 62.4 | 93.6 |
| 39 | 66.6 | 53.3 | 79.9 |



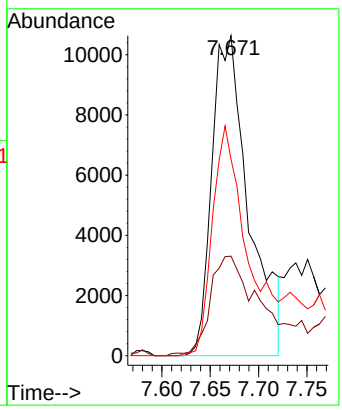


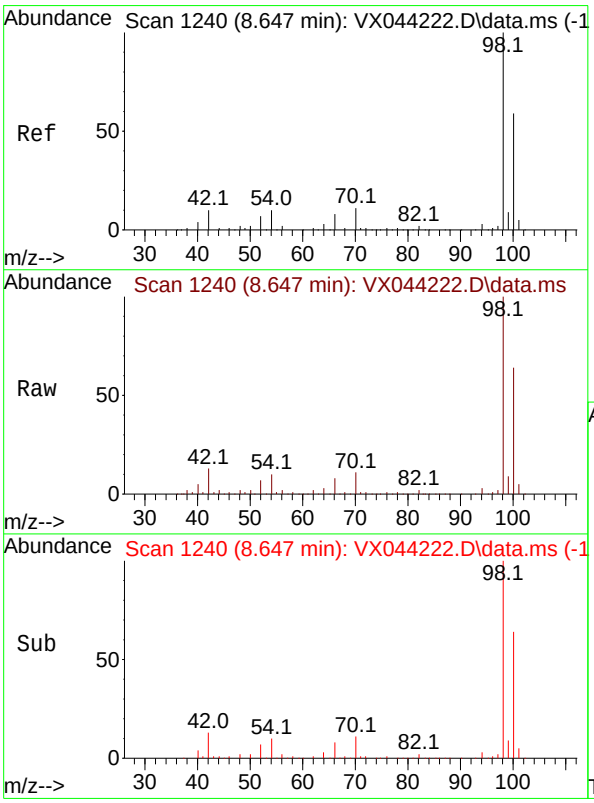

#49
1,4-Dioxane
Concen: 843.658 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 88 Resp: 28266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 45.2 | 27.1 | 40.7# |
| 58 | 68.3 | 41.0 | 61.4# |

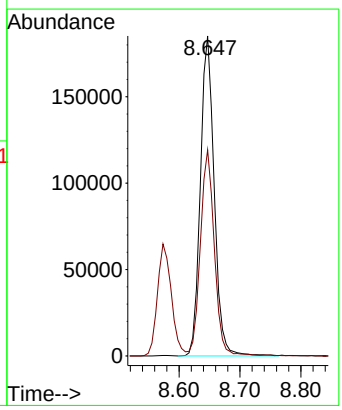


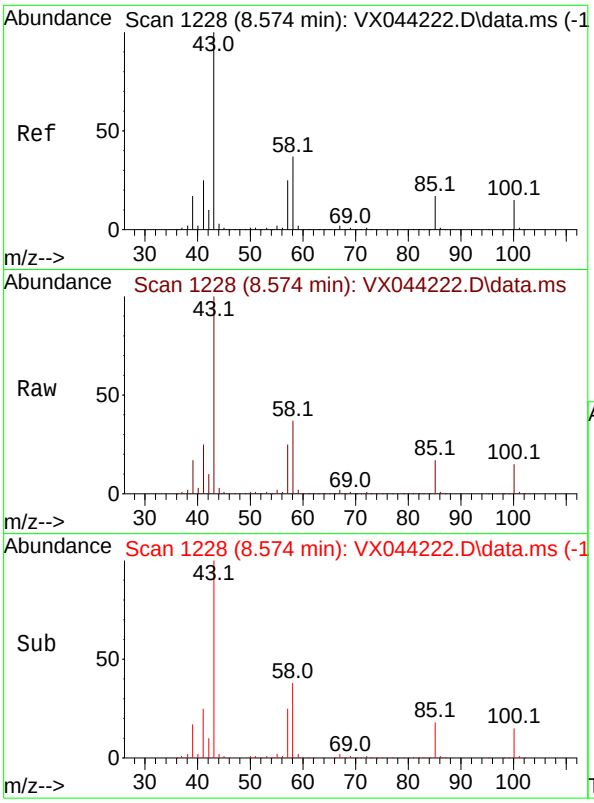




#50
Toluene-d8
Concen: 53.559 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 98 Resp: 292199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 51.5 | 77.3 |



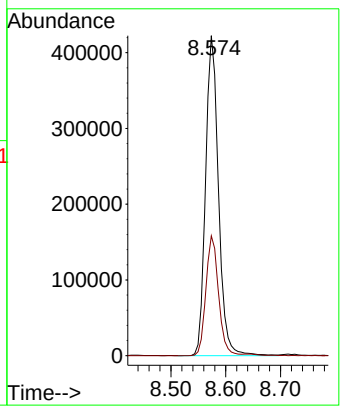


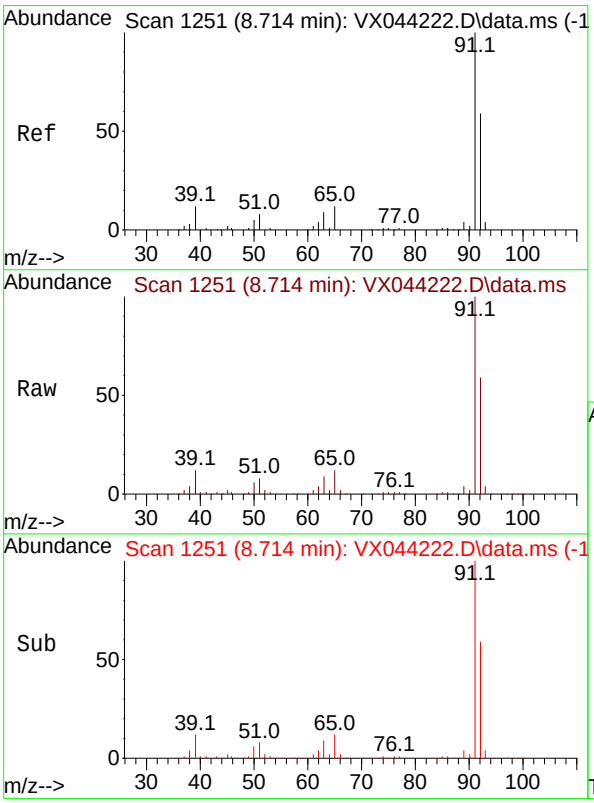

#51
4-Methyl-2-Pentanone
Concen: 265.203 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 688666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 29.4 | 44.0 |

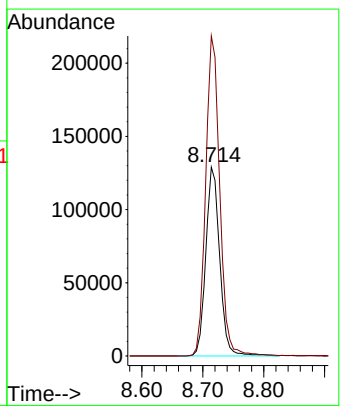


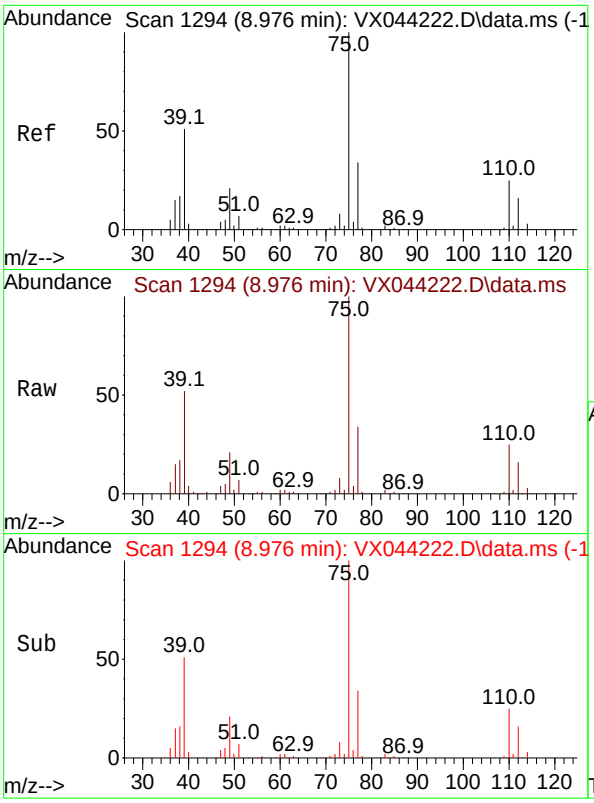




#52
Toluene
Concen: 51.370 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 92 Resp: 204738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.3 | 137.0 | 205.6 |



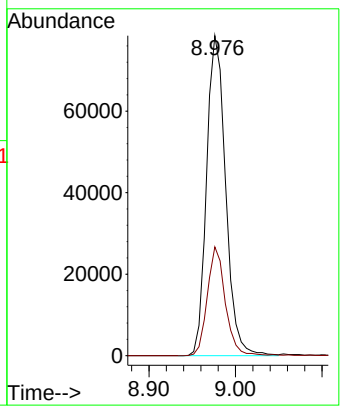


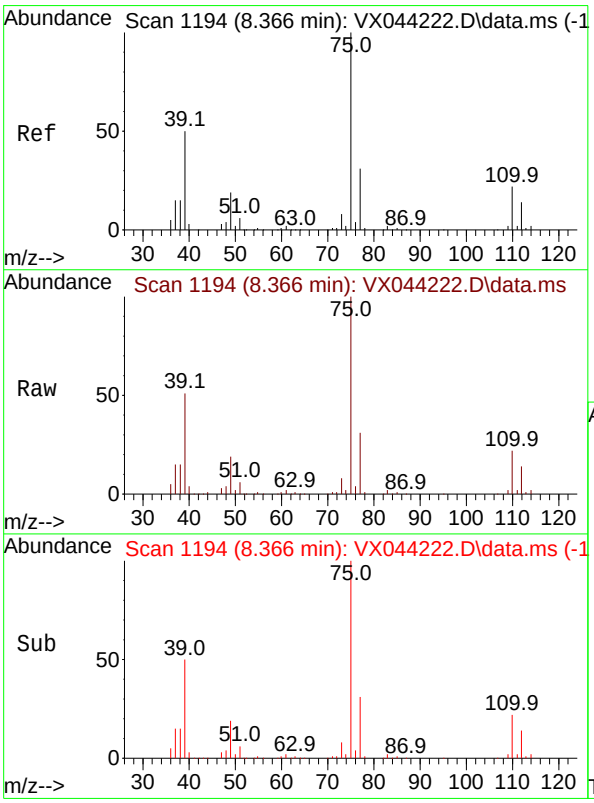

#53
t-1,3-Dichloropropene
Concen: 51.362 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 120007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.0 | 27.2 | 40.8 |

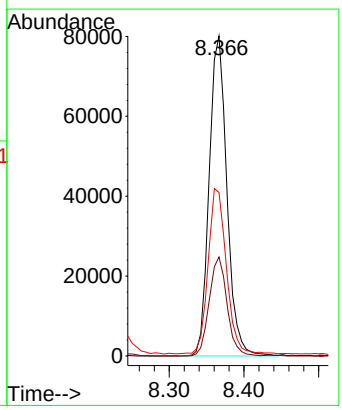


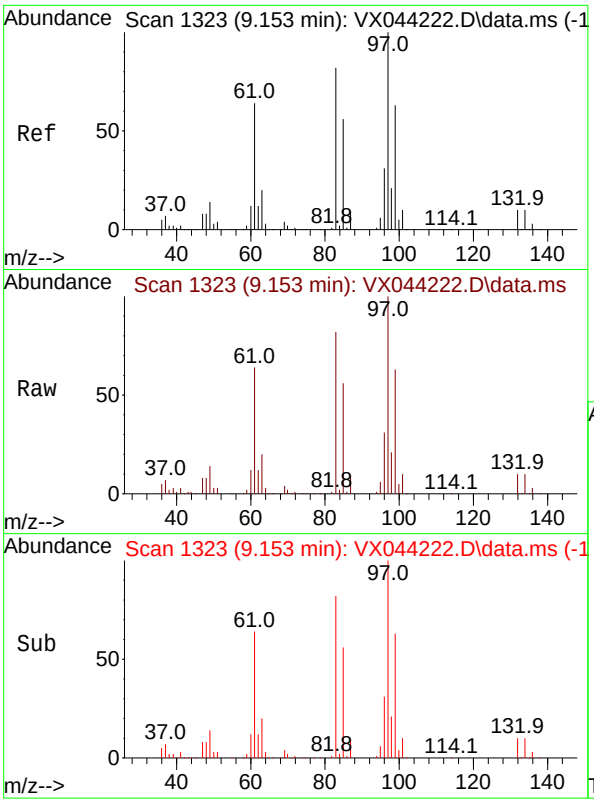




#54
cis-1,3-Dichloropropene
Concen: 55.923 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 132286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 24.7 | 37.1 |
| 39 | 50.4 | 40.3 | 60.5 |



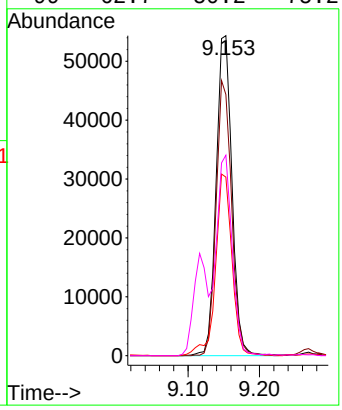


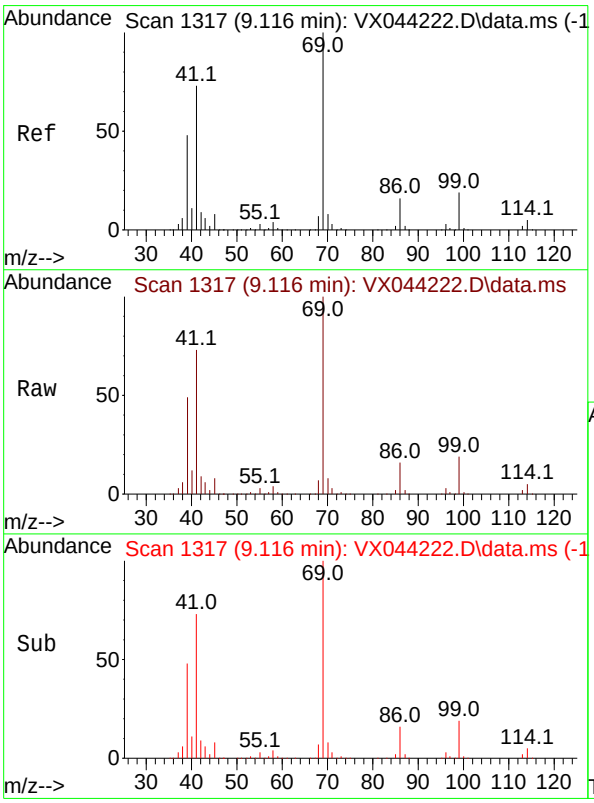

#55
1,1,2-Trichloroethane
Concen: 52.729 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 97 Resp: 83488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.6 | 65.3 | 97.9 |
| 85 | 55.8 | 44.6 | 67.0 |
| 99 | 62.7 | 50.2 | 75.2 |

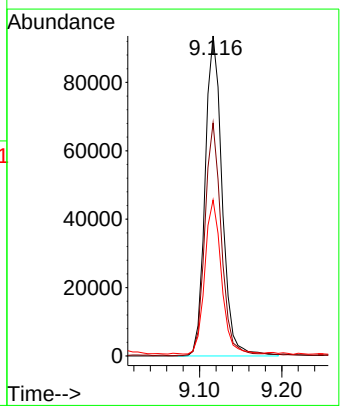


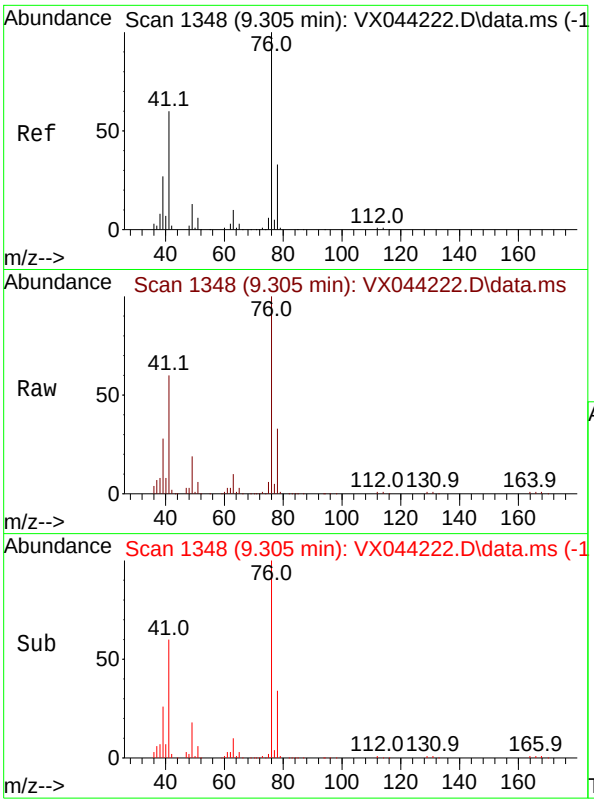




#56
Ethyl methacrylate
Concen: 53.917 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 69 Resp: 134770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.8 | 56.6 | 85.0 |
| 39 | 46.7 | 37.4 | 56.0 |



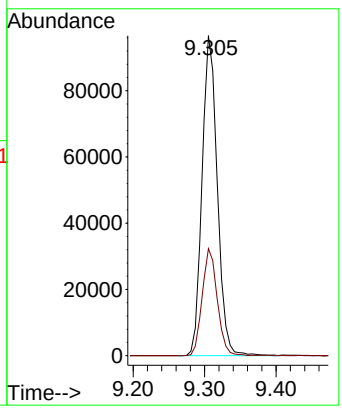


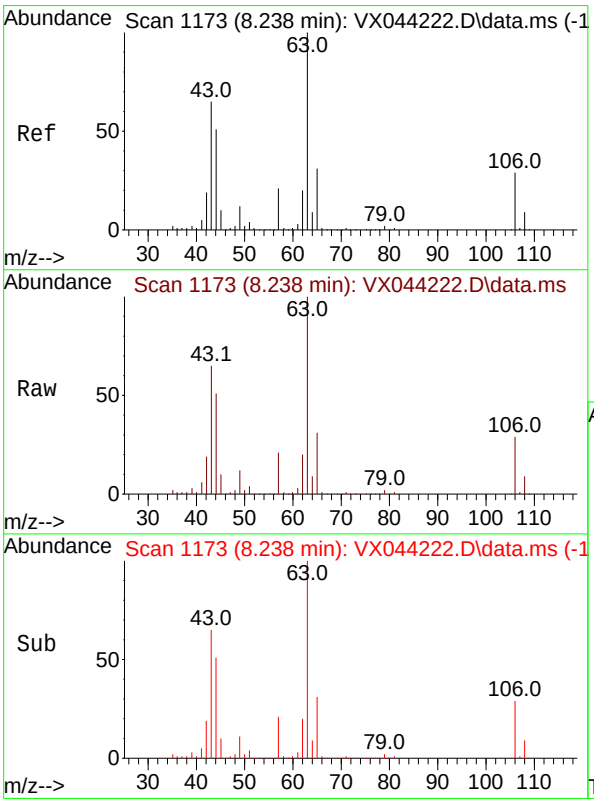

#57
1,3-Dichloropropane
Concen: 51.904 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 143044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.1 | 26.5 | 39.7 |

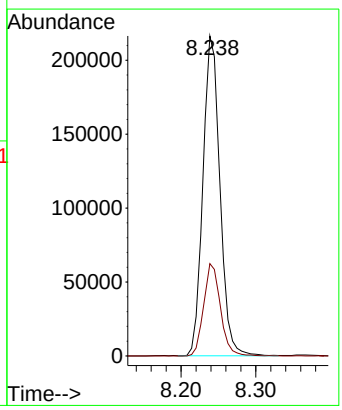


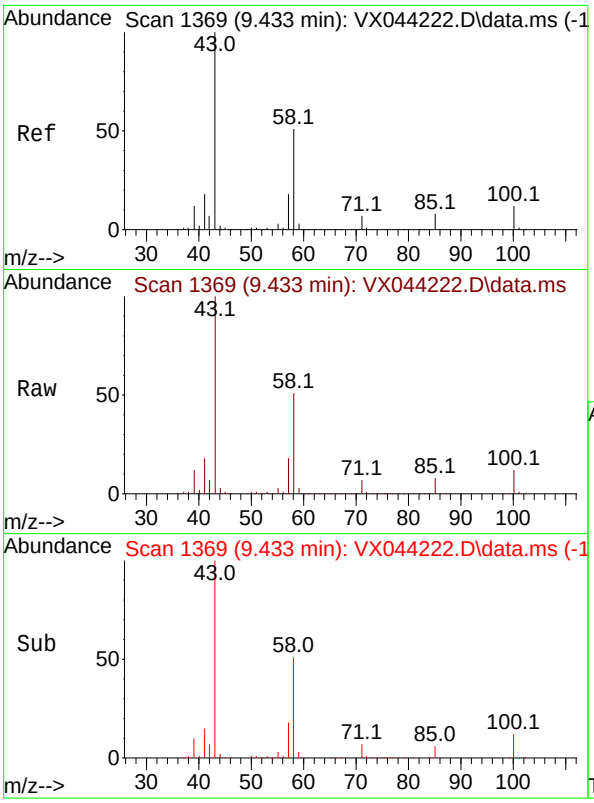




#58
2-Chloroethyl Vinyl ether
Concen: 271.745 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 342592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.5 | 22.8 | 34.2 |



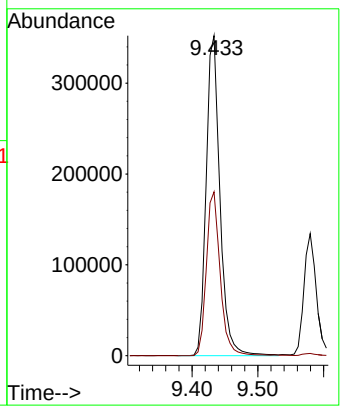


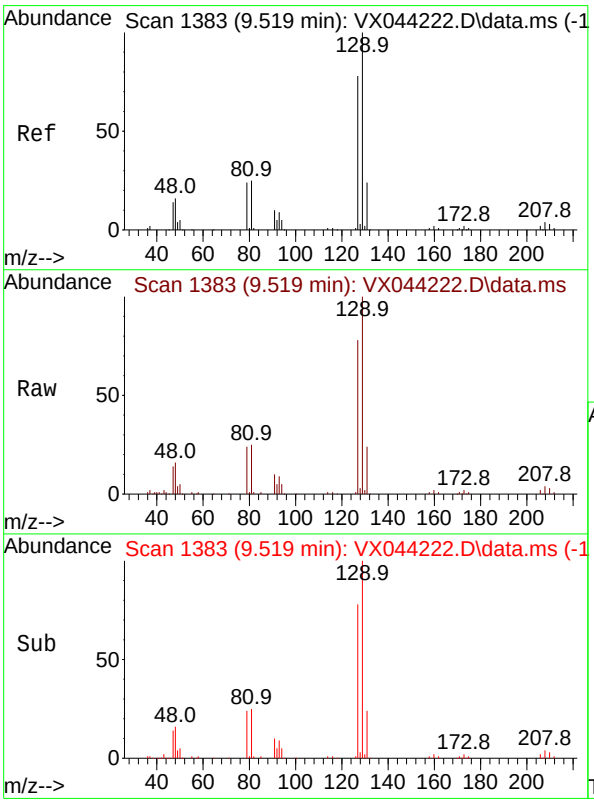

#59
2-Hexanone
Concen: 272.881 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 512906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.3 | 25.7 | 77.0 |

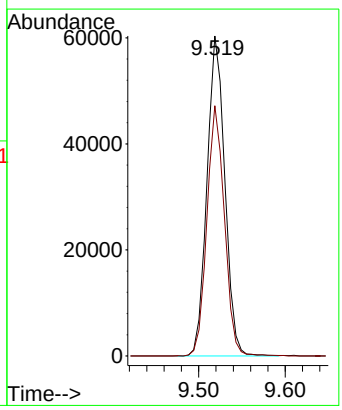


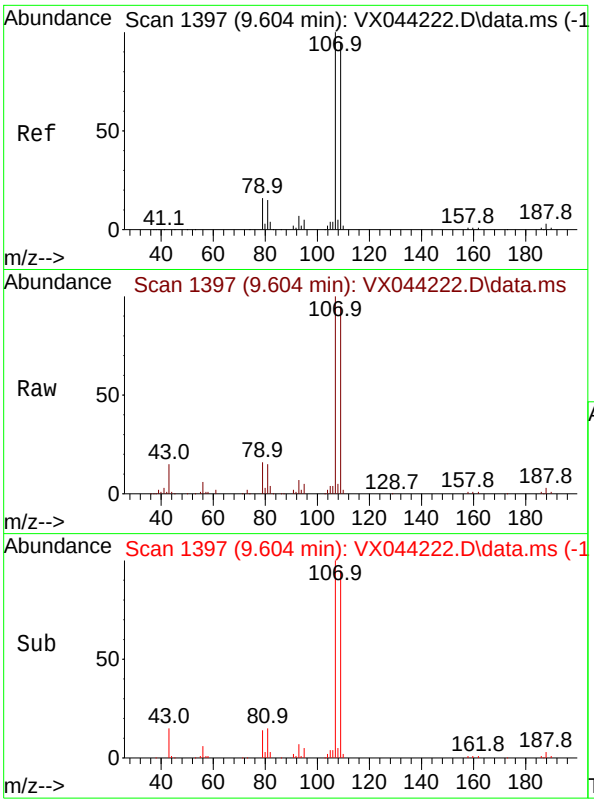




#60
Dibromochloromethane
Concen: 51.400 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:129 Resp: 86352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 38.5 | 115.3 |



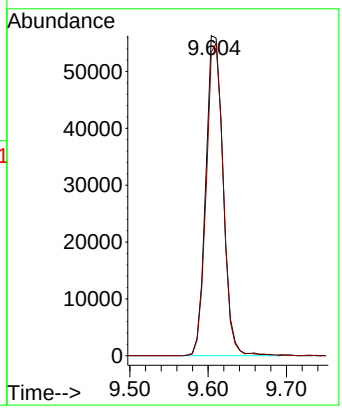


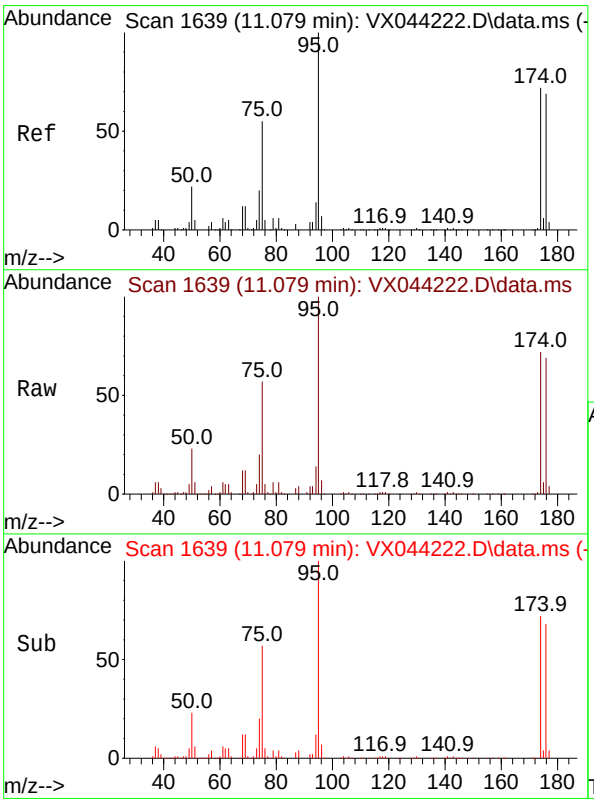

#61
1,2-Dibromoethane
Concen: 53.454 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:107 Resp: 86150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.2 | 77.0 | 115.4 |

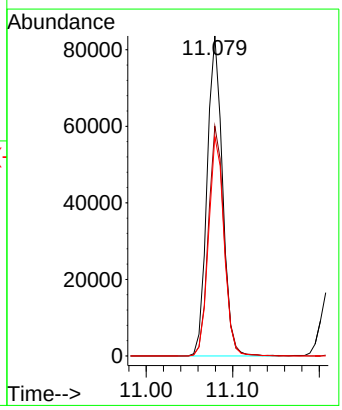


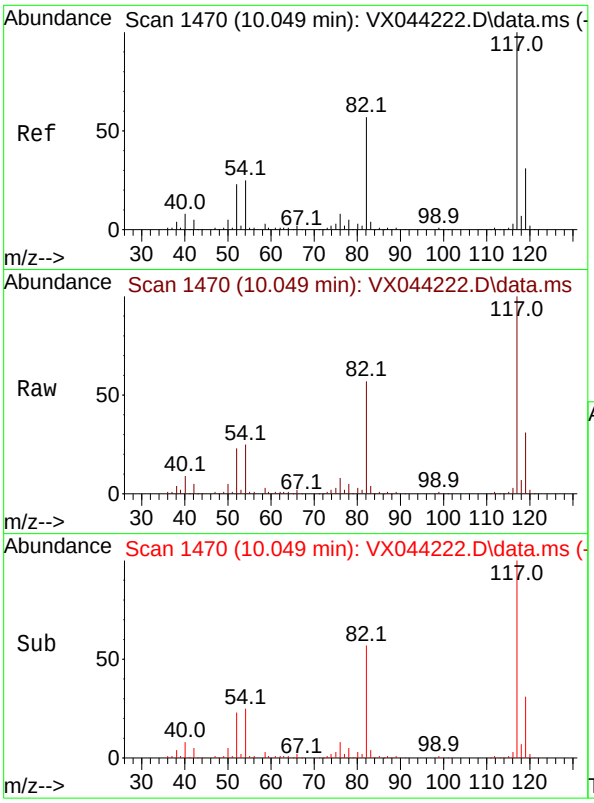




#62
4-Bromofluorobenzene
Concen: 54.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 95 Resp: 103178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.9 | 0.0 | 145.8 |
| 176 | 68.9 | 0.0 | 137.8 |



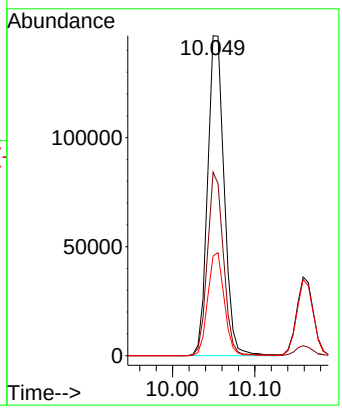


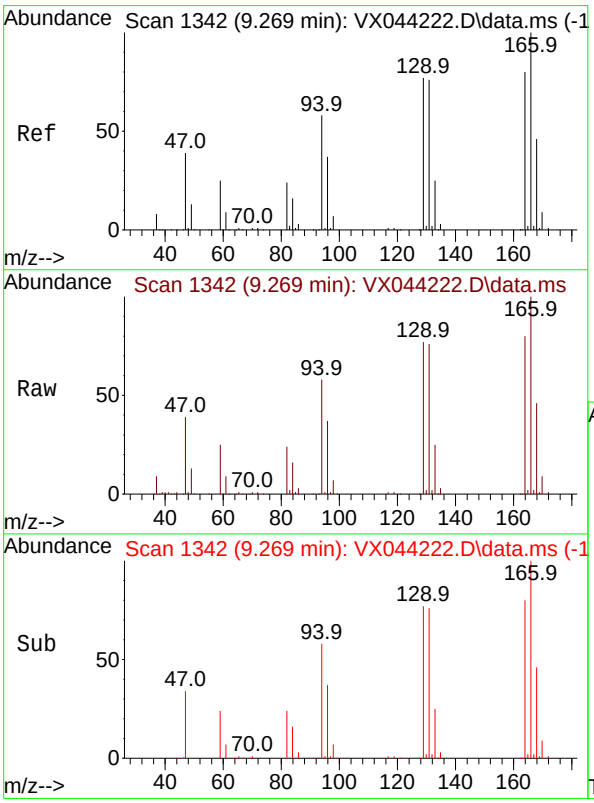

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:117 Resp: 205196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.3 | 45.8 | 68.8 |
| 119 | 31.2 | 25.0 | 37.4 |

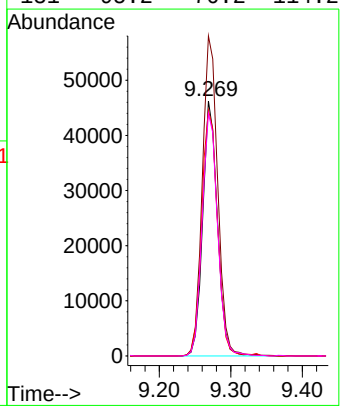


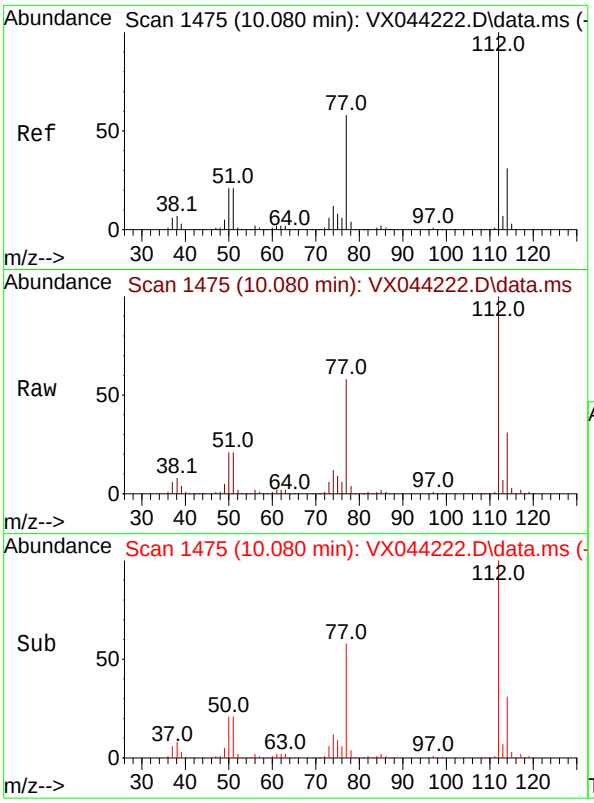




#64
Tetrachloroethene
Concen: 48.379 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:164 Resp: 65888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.5 | 100.4 | 150.6 |
| 129 | 96.5 | 77.2 | 115.8 |
| 131 | 95.2 | 76.2 | 114.2 |



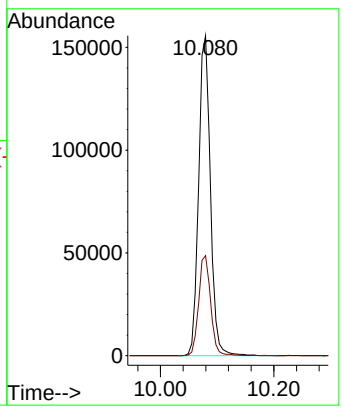


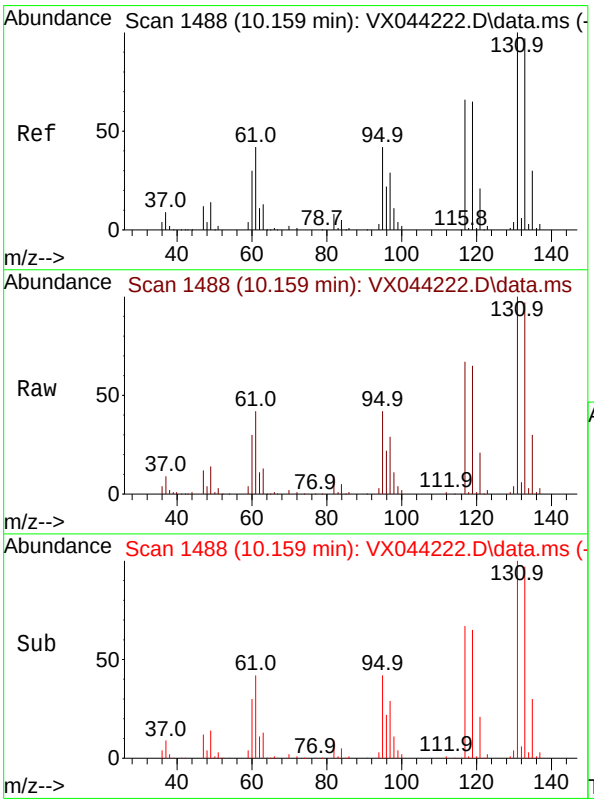

#65
Chlorobenzene
Concen: 50.779 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:112 Resp: 223269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.0 | 37.6 |

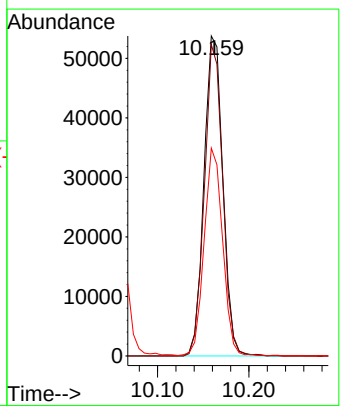


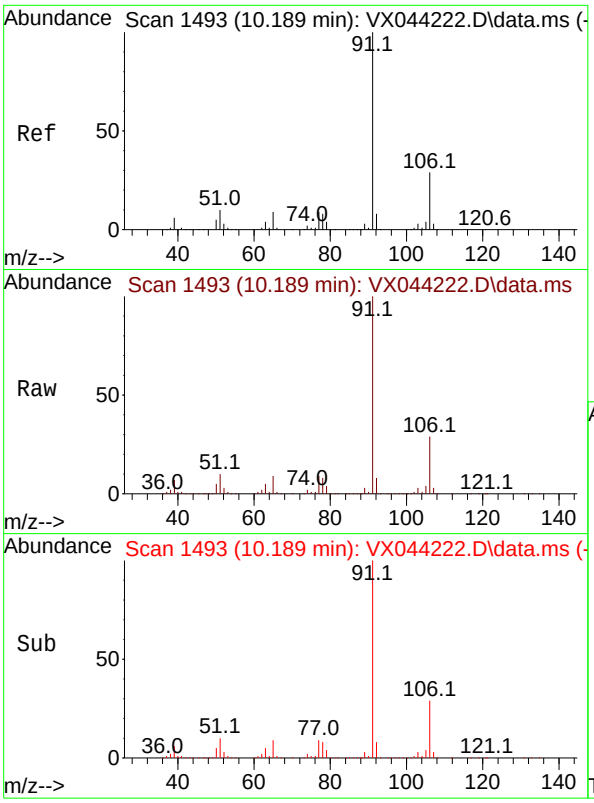




#66
1,1,1,2-Tetrachloroethane
Concen: 54.396 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:131 Resp: 76867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.8 |
| 119 | 63.3 | 31.6 | 95.0 |



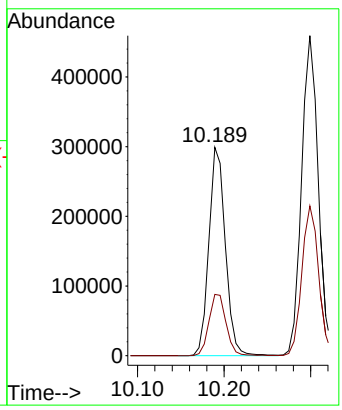


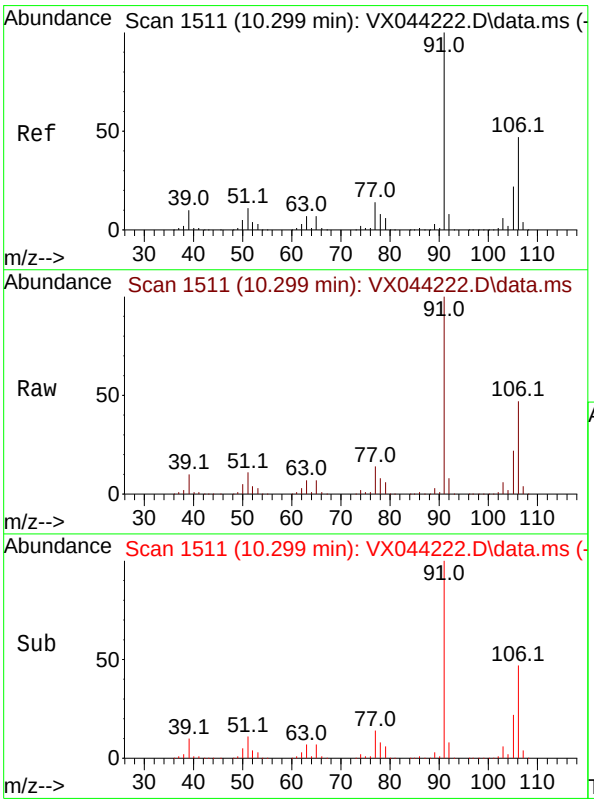

#67
Ethyl Benzene
Concen: 52.050 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 395430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.4 | 23.5 | 35.3 |

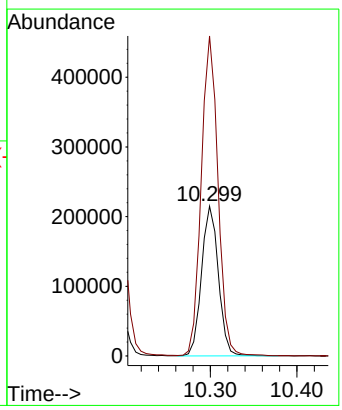


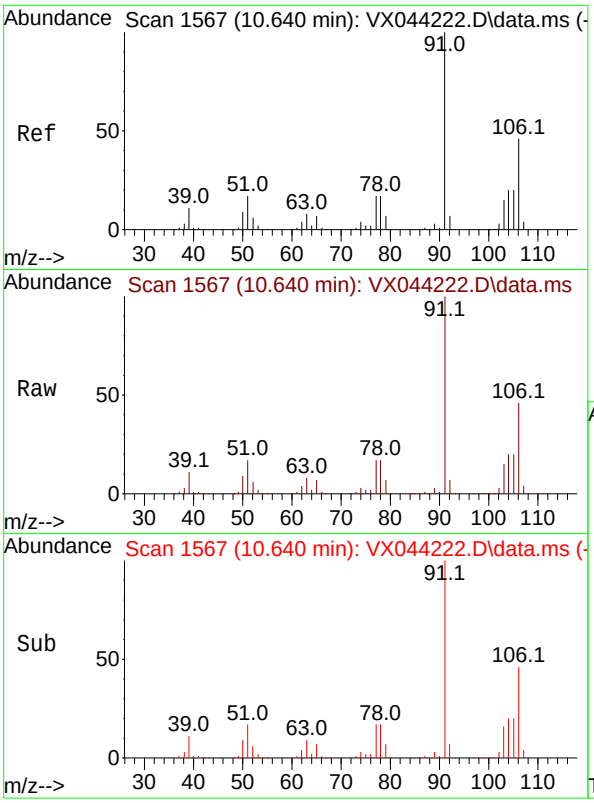




#68
m/p-Xylenes
Concen: 104.094 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:106 Resp: 290181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.7 | 170.2 | 255.2 |



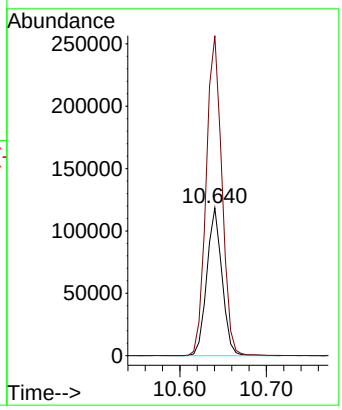


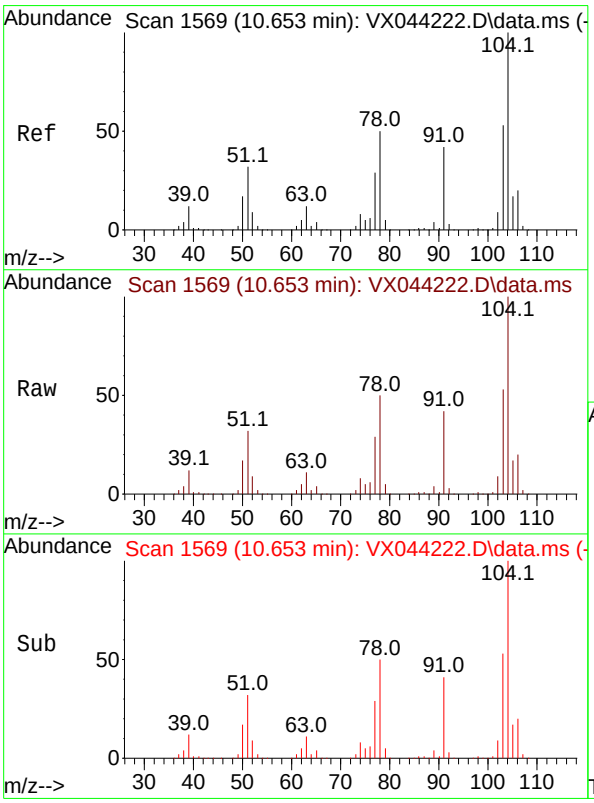

#69
o-Xylene
Concen: 51.141 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:106 Resp: 144247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 224.7 | 112.3 | 337.0 |

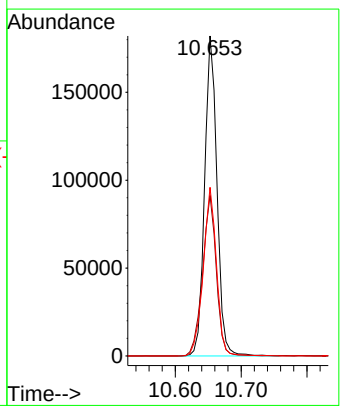


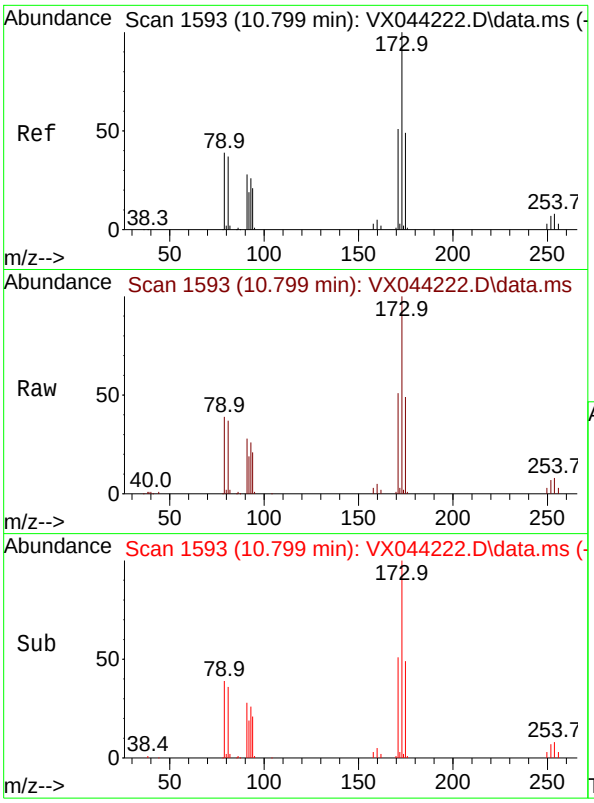




#70
Styrene
Concen: 52.719 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:104 Resp: 238379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 55.8 | 44.6 | 67.0 |
| 103 | 56.7 | 45.4 | 68.0 |



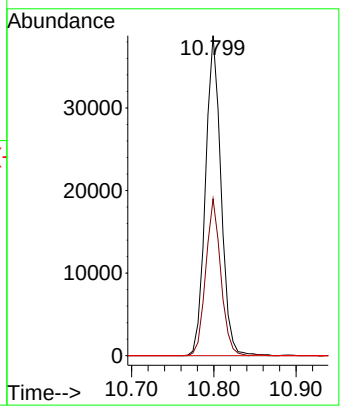


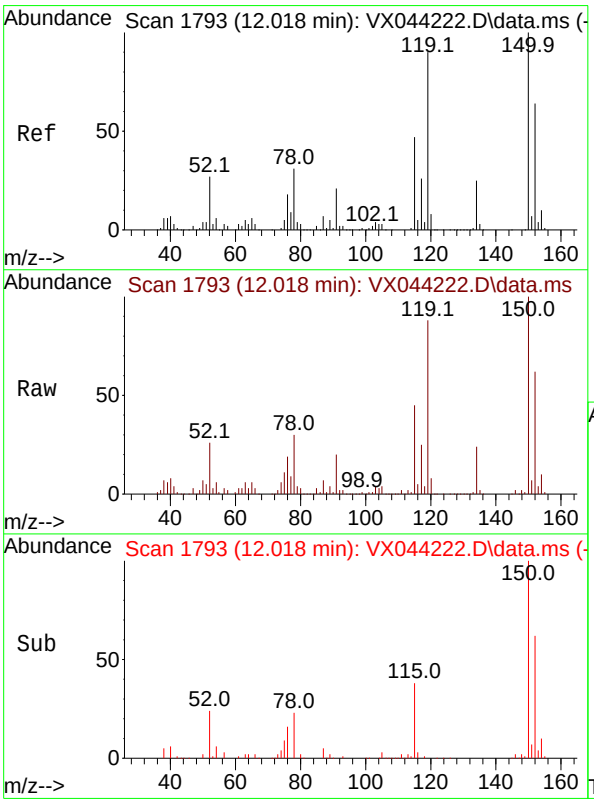

#71
Bromoform
Concen: 51.158 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:173 Resp: 50667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.6 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

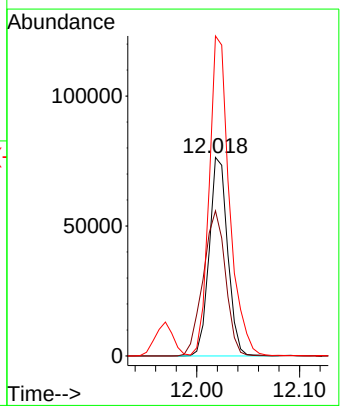


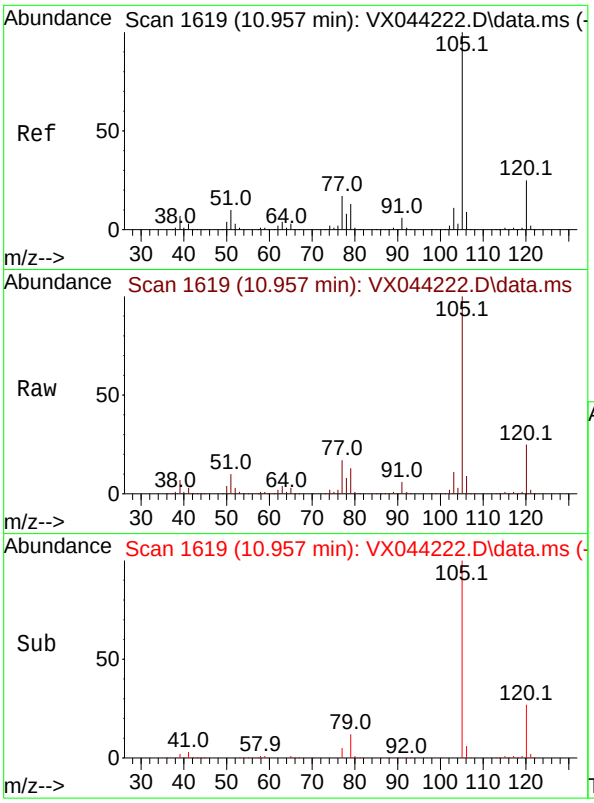




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:152 Resp: 95227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 88.9 | 44.5 | 133.3 |
| 150 | 176.9 | 0.0 | 353.8 |



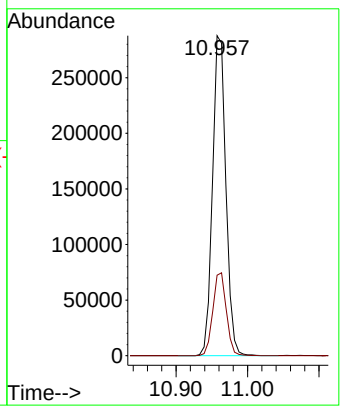


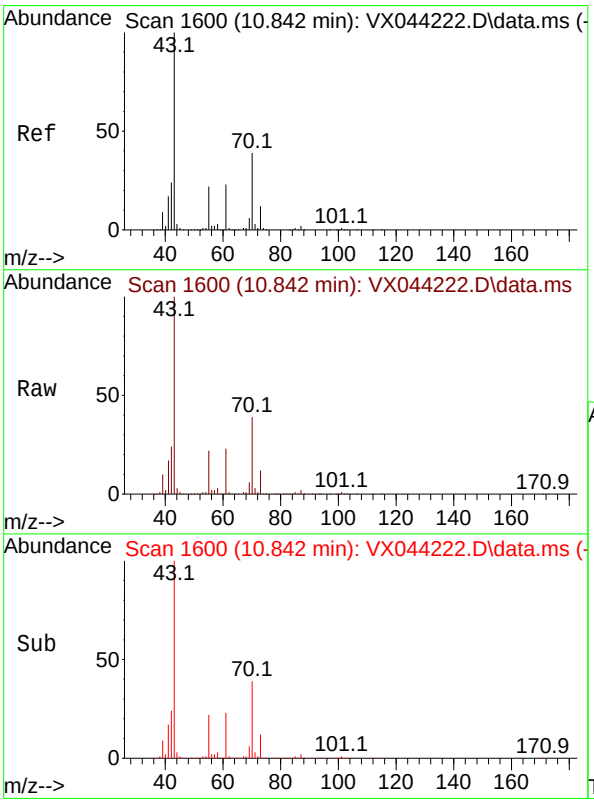

#73
Isopropylbenzene
Concen: 51.100 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 372519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.1 | 39.3 |

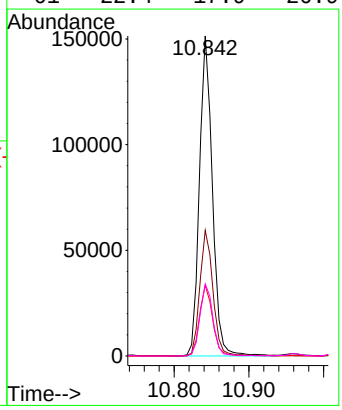


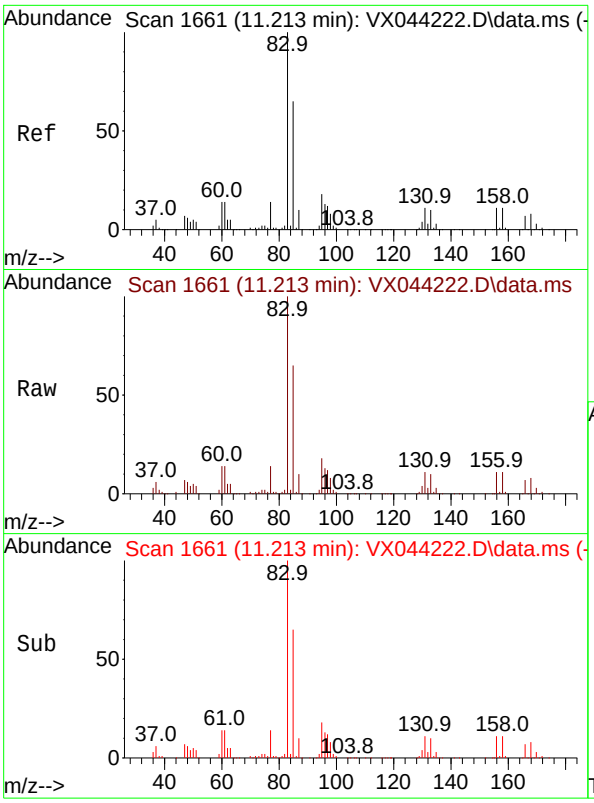




#74
N-amyl acetate
Concen: 54.166 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 182491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.9 | 31.9 | 47.9 |
| 55 | 22.4 | 17.9 | 26.9 |
| 61 | 22.4 | 17.9 | 26.9 |



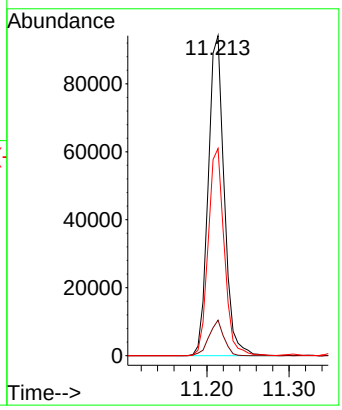


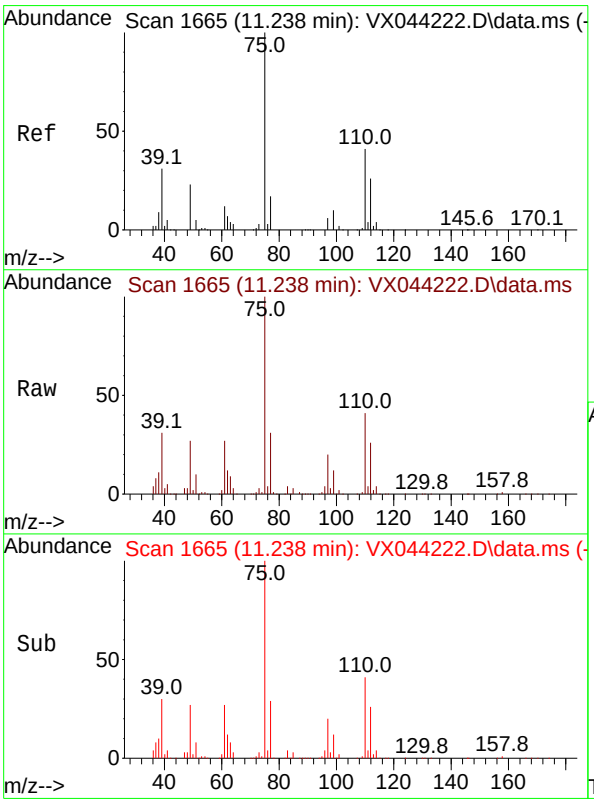

#75
1,1,2,2-Tetrachloroethane
Concen: 50.233 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 127193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.1 | 15.4 |
| 85 | 64.9 | 32.5 | 97.4 |

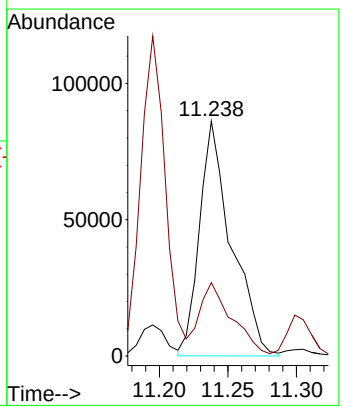


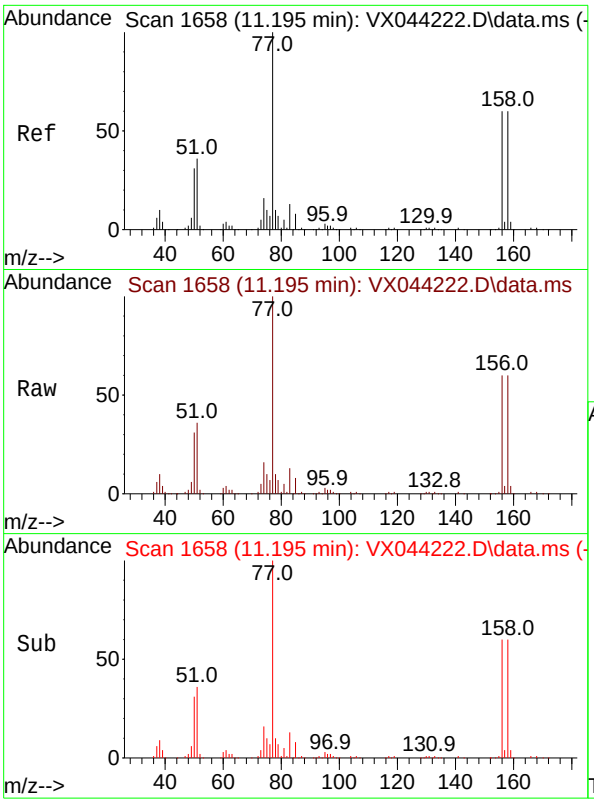




#76
1,2,3-Trichloropropane
Concen: 64.698 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 139805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 20.9 | 62.7 |



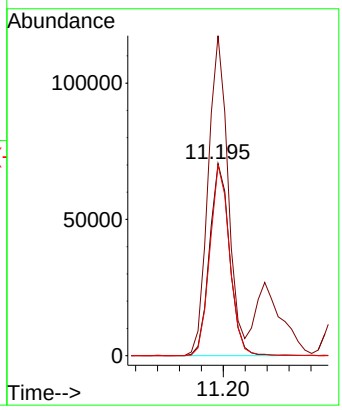


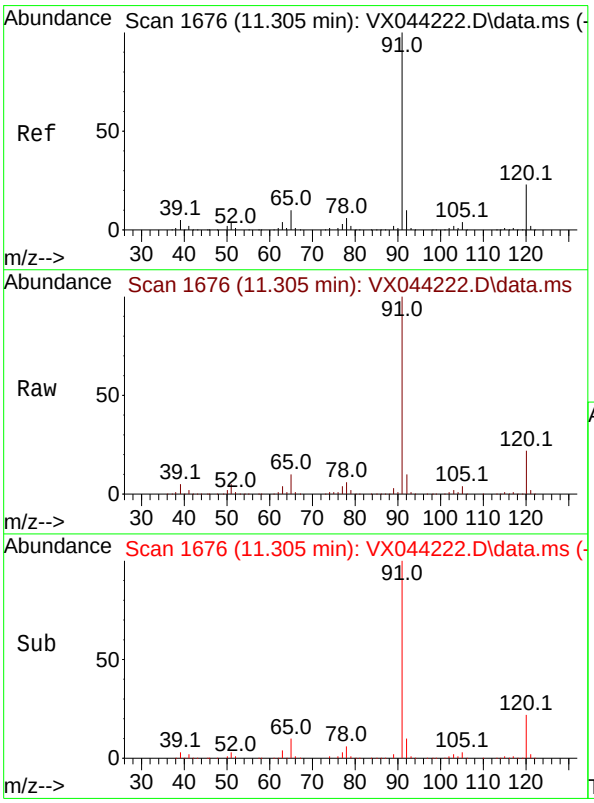

#77
Bromobenzene
Concen: 50.734 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:156 Resp: 89687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.2 | 82.6 | 247.8 |
| 158 | 97.6 | 48.8 | 146.4 |

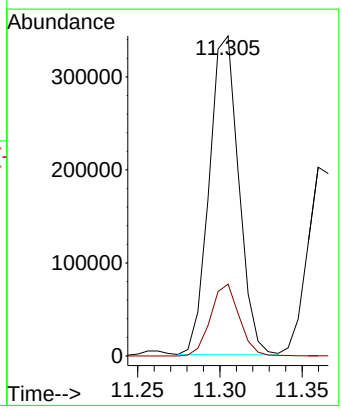


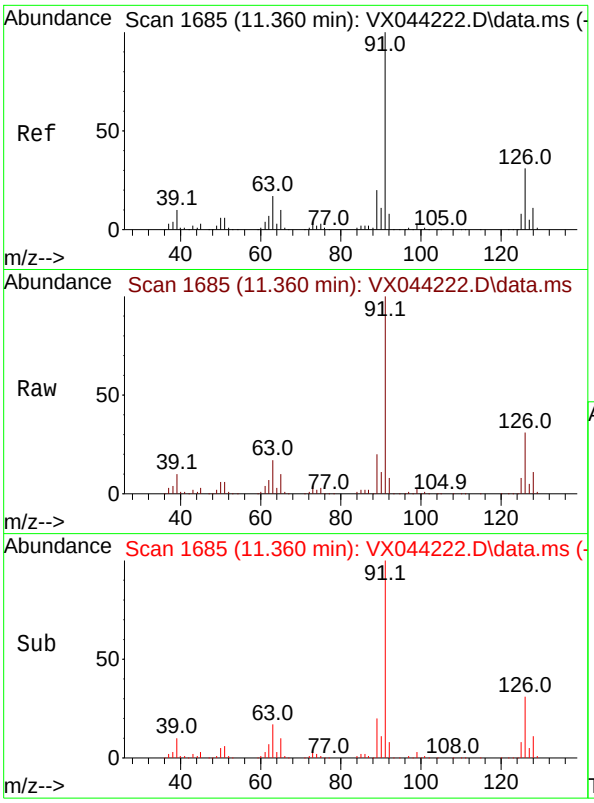




#78
n-propylbenzene
Concen: 53.211 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 428741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.0 | 11.0 | 33.0 |



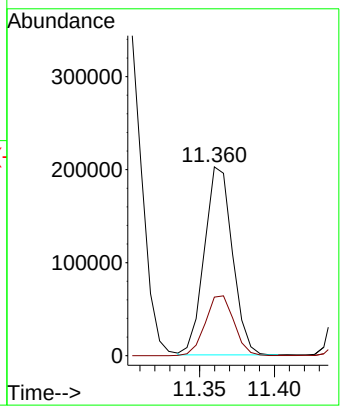


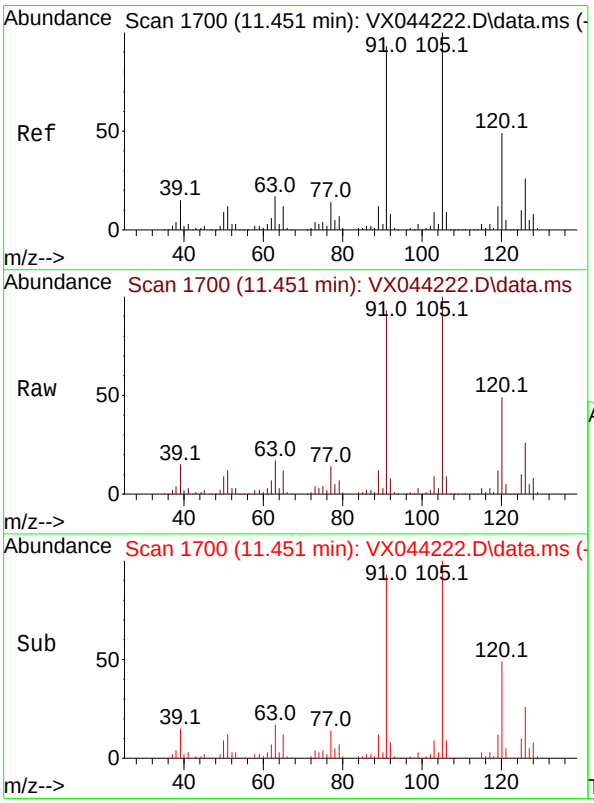

#79
2-Chlorotoluene
Concen: 50.634 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 263849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.4 | 49.1 |

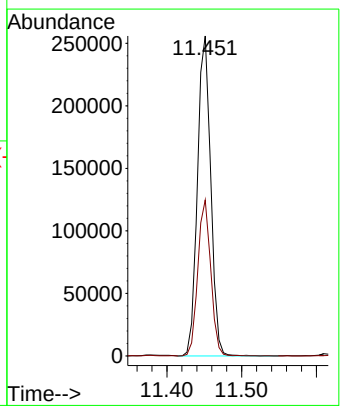


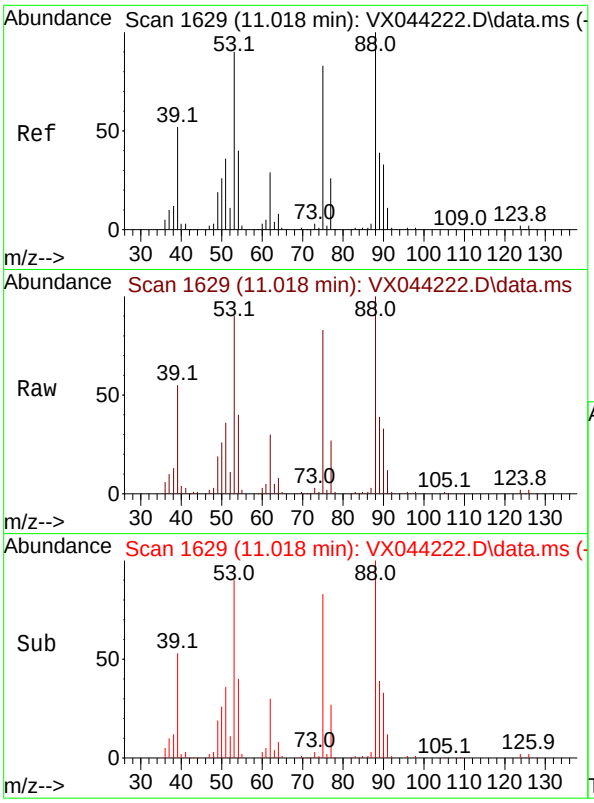




#80
1,3,5-Trimethylbenzene
Concen: 52.102 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 314986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 23.8 | 71.4 |



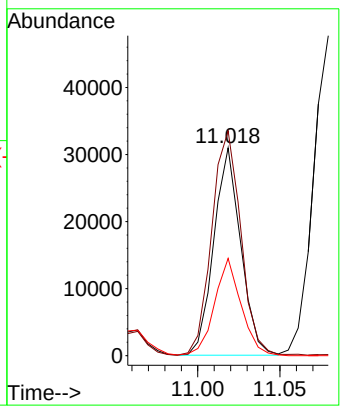


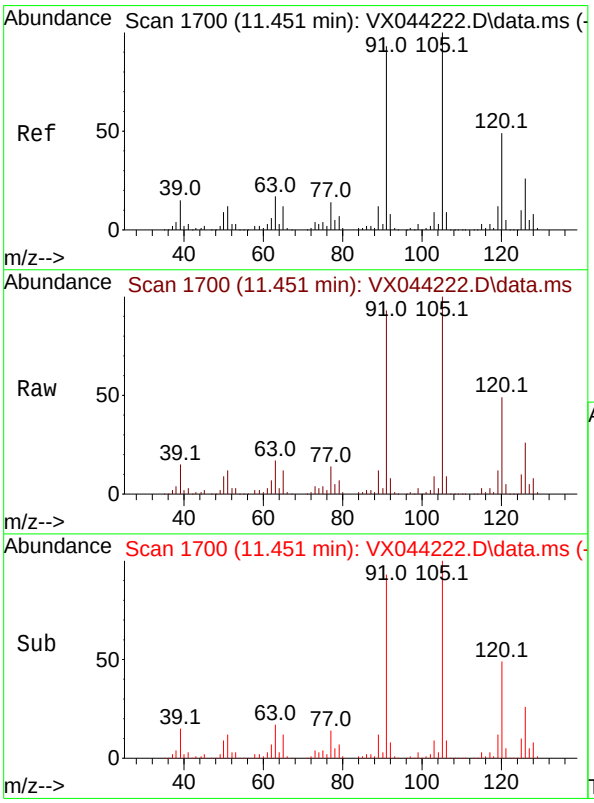

#81
trans-1,4-Dichloro-2-butene
Concen: 47.628 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 35119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 117.0 | 93.6 | 140.4 |
| 89 | 46.6 | 37.3 | 55.9 |

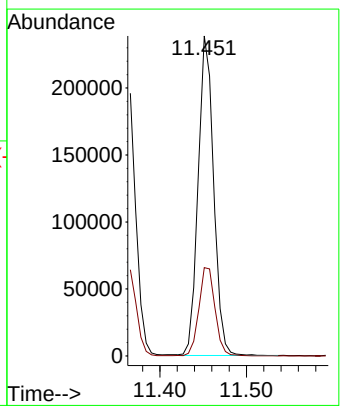


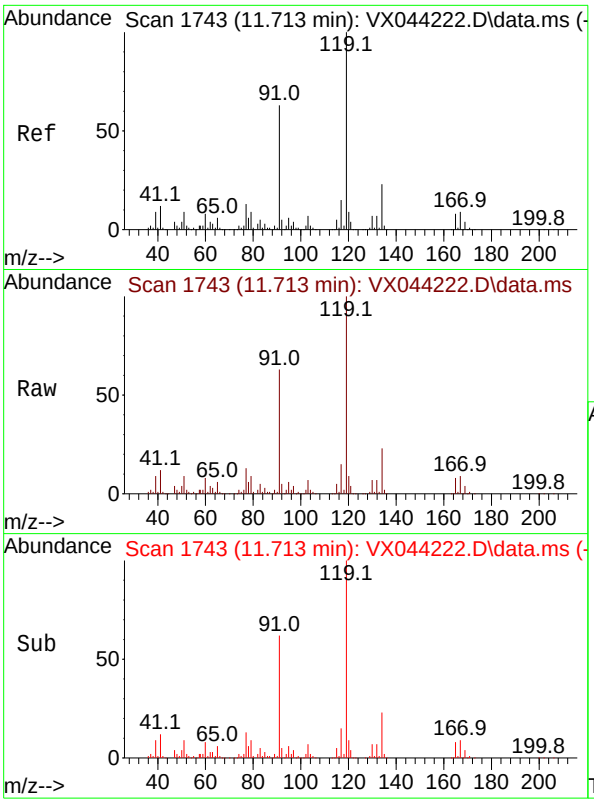




#82
4-Chlorotoluene
Concen: 51.387 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 296520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.5 | 43.5 |



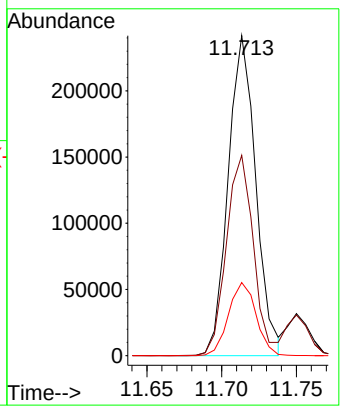


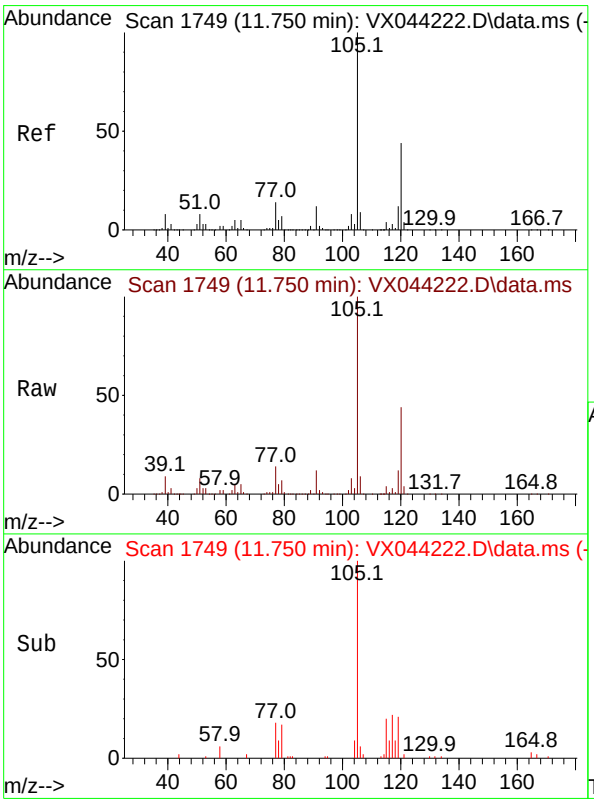

#83
tert-Butylbenzene
Concen: 51.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:119 Resp: 310320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.7 | 30.9 | 92.5 |
| 134 | 22.9 | 11.5 | 34.4 |

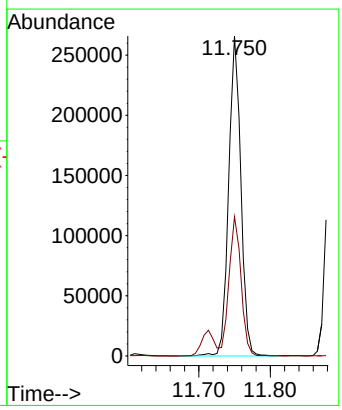


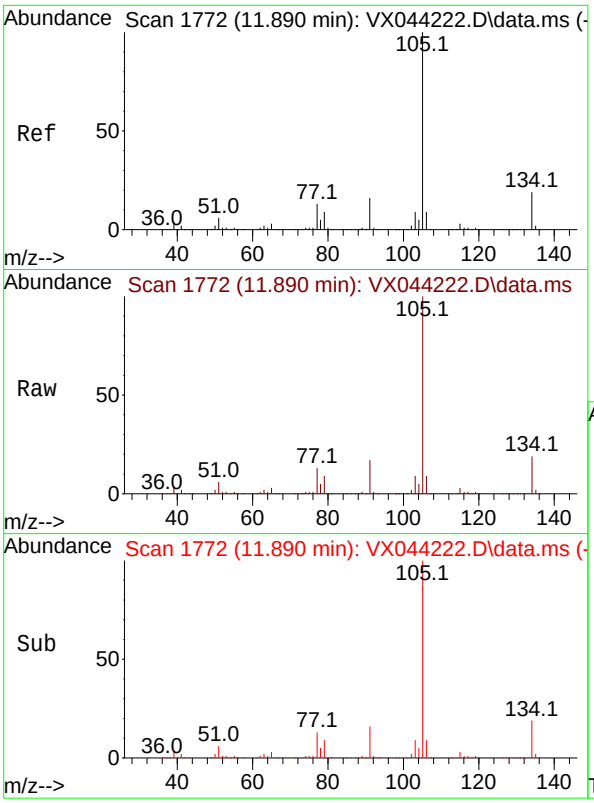




#84
1,2,4-Trimethylbenzene
Concen: 52.776 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 313338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.4 | 21.7 | 65.1 |



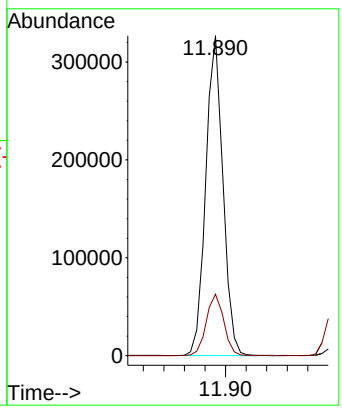


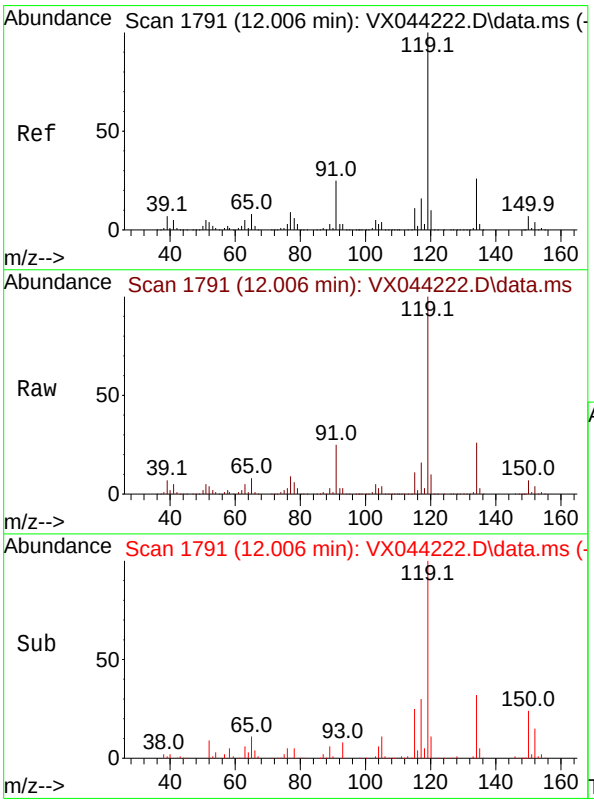

#85
sec-Butylbenzene
Concen: 52.329 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 379552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 9.8 | 29.4 |

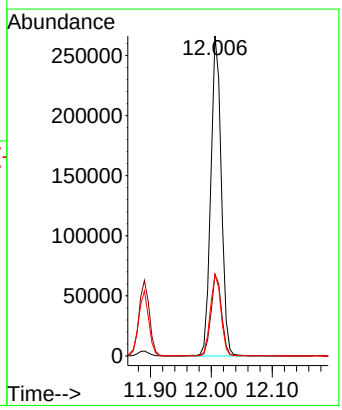


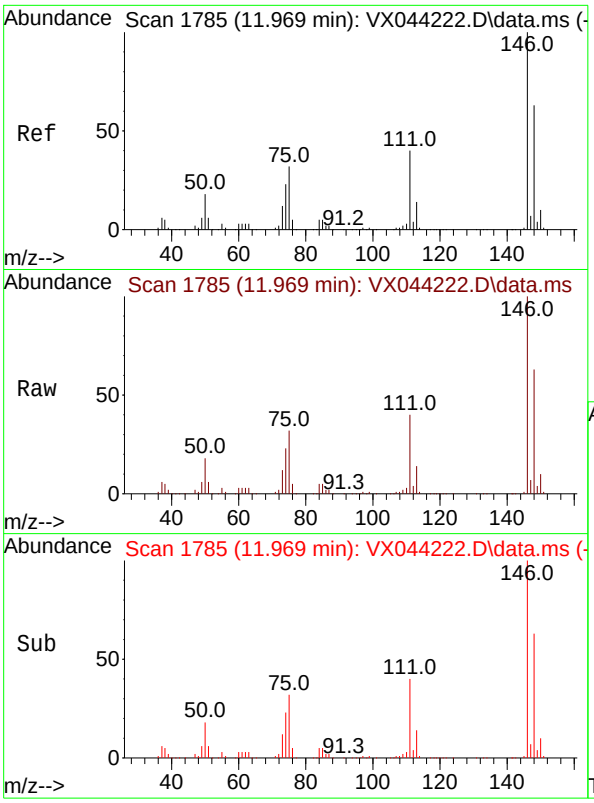




#86
p-Isopropyltoluene
Concen: 52.796 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:119 Resp: 318721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 12.8 | 38.4 |
| 91 | 26.0 | 13.0 | 39.0 |



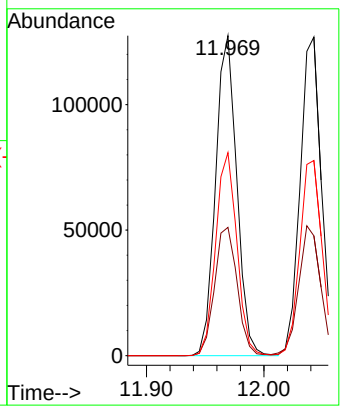


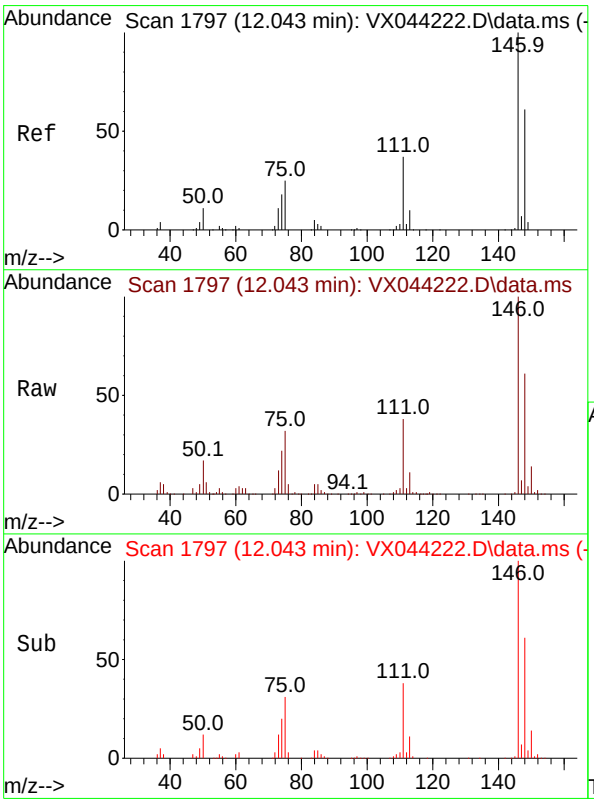

#87
1,3-Dichlorobenzene
Concen: 51.887 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 160223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.4 | 64.2 |
| 148 | 63.4 | 31.7 | 95.1 |

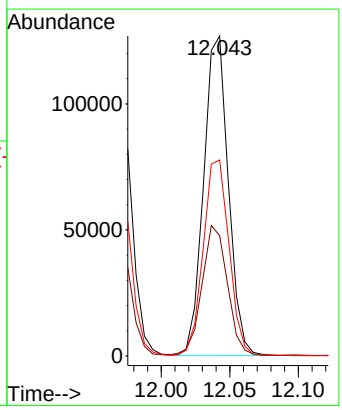


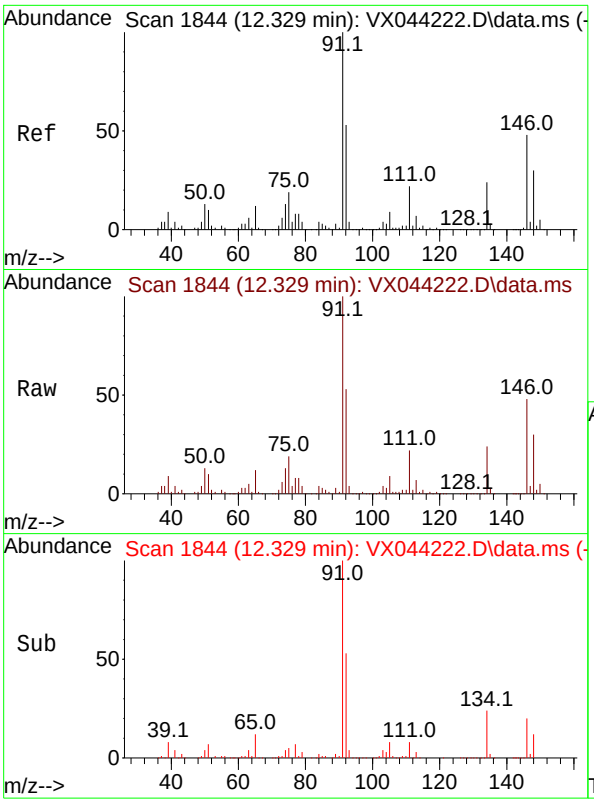




#88
1,4-Dichlorobenzene
Concen: 50.171 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:146 Resp: 159258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 21.0 | 63.0 |
| 148 | 64.5 | 32.3 | 96.8 |



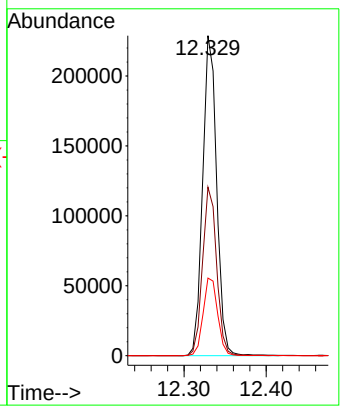


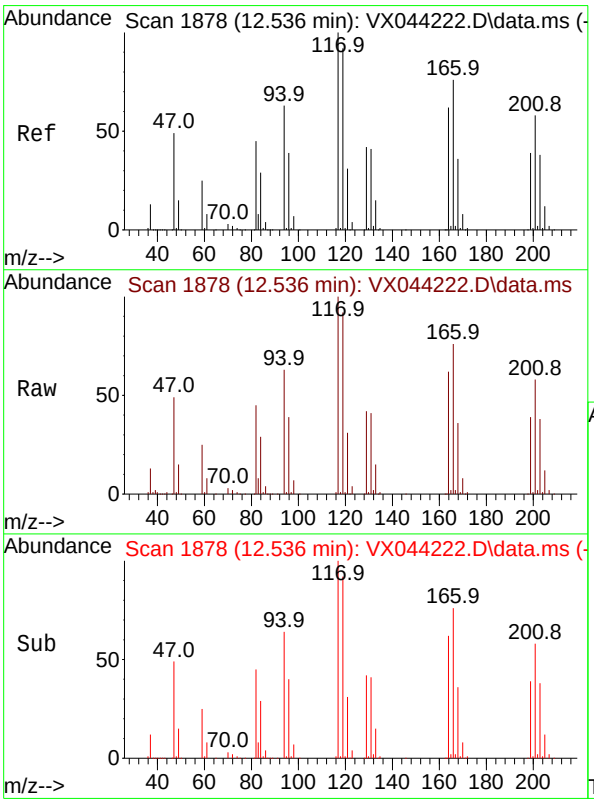

#89
n-Butylbenzene
Concen: 53.354 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 270840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.6 | 79.7 |
| 134 | 25.2 | 12.6 | 37.8 |

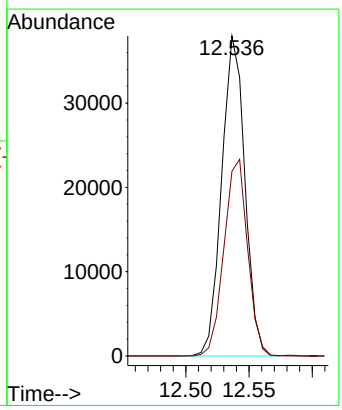


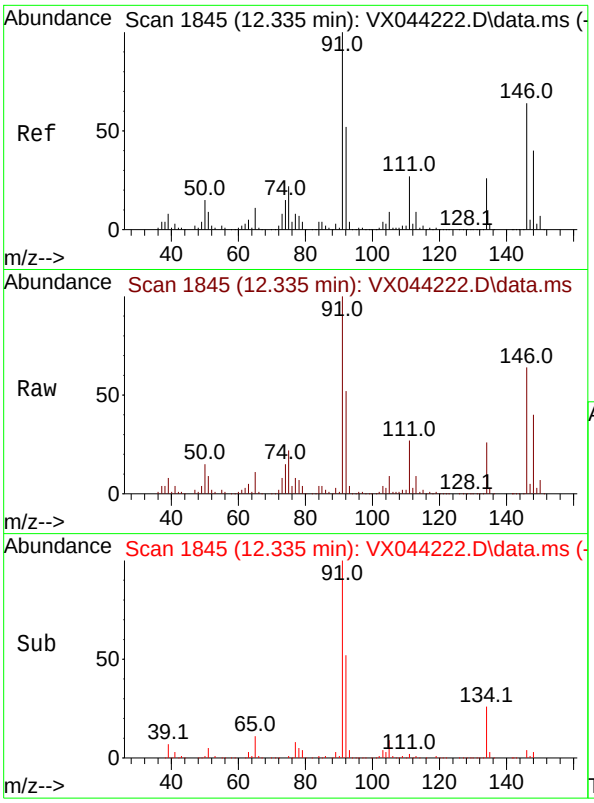




#90
Hexachloroethane
Concen: 54.813 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 48303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.8 | 31.4 | 94.2 |



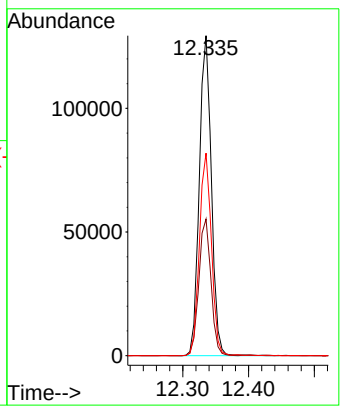


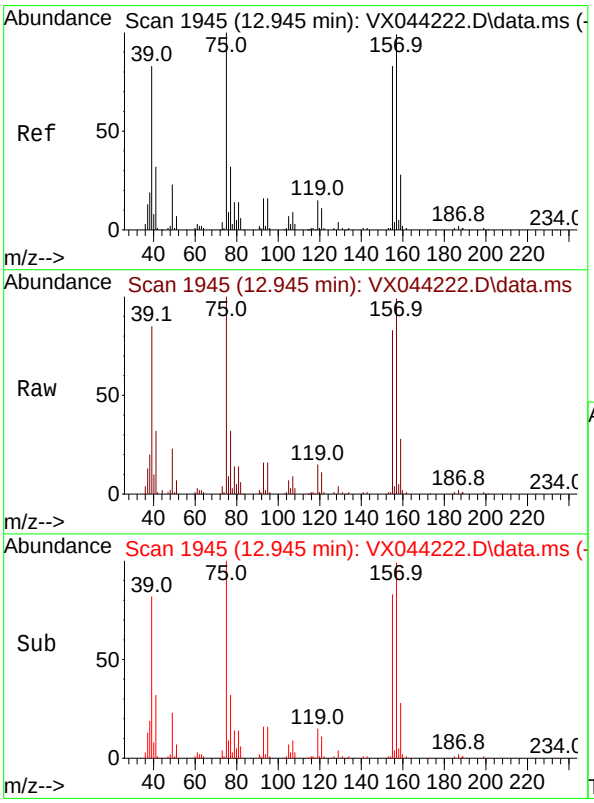

#91
1,2-Dichlorobenzene
Concen: 51.256 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 164342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 21.4 | 64.3 |
| 148 | 63.3 | 31.6 | 95.0 |

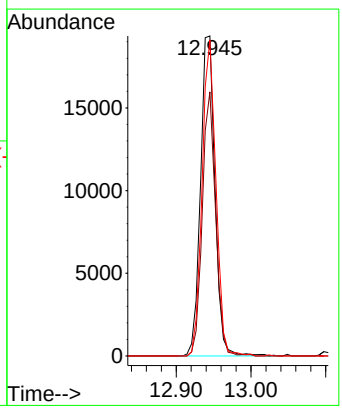


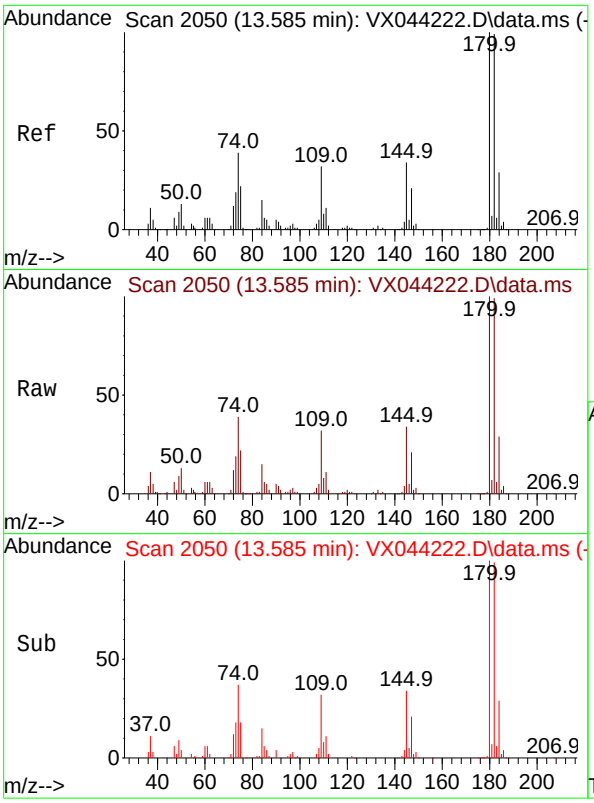




#92
1,2-Dibromo-3-Chloropropane
Concen: 52.951 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 26027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 76.2 | 38.1 | 114.3 |
| 157 | 94.4 | 47.2 | 141.6 |



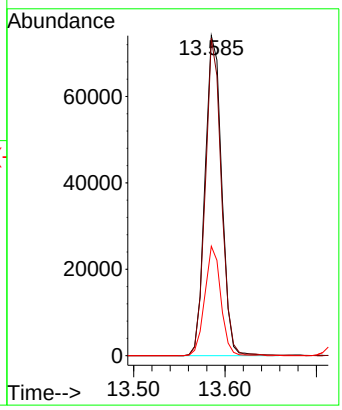


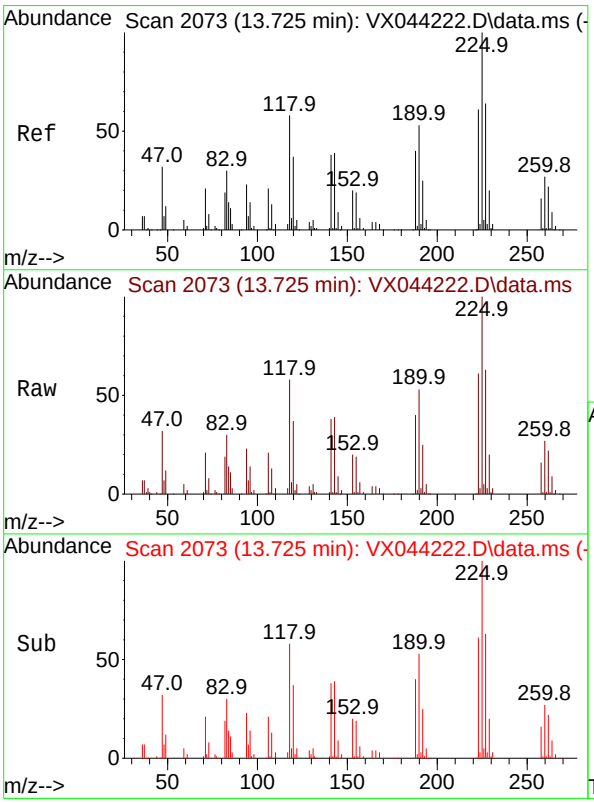

#93
1,2,4-Trichlorobenzene
Concen: 53.005 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:180 Resp: 93173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 48.0 | 144.2 |
| 145 | 33.1 | 16.6 | 49.7 |

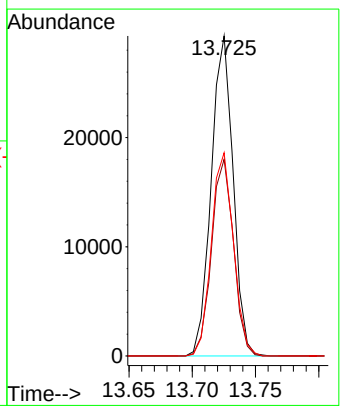


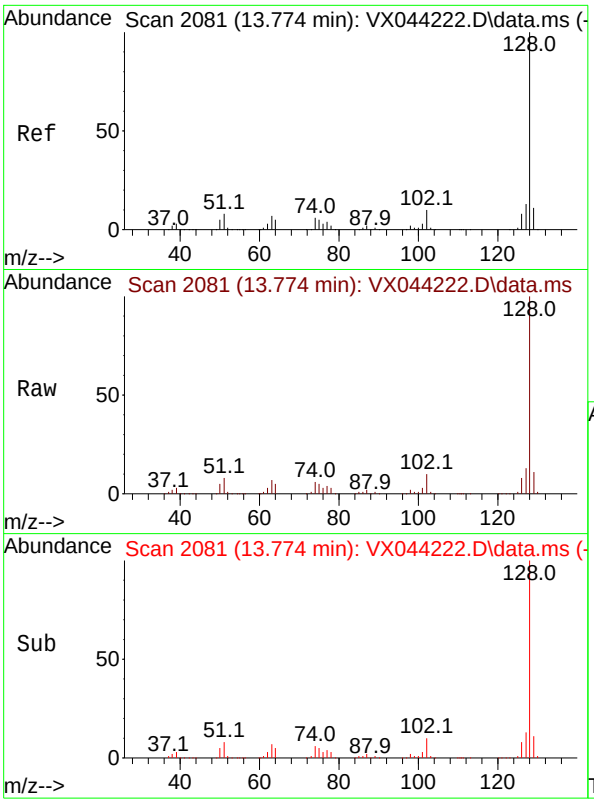




#94
Hexachlorobutadiene
Concen: 49.744 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:225 Resp: 35172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.6 | 30.8 | 92.4 |
| 227 | 64.2 | 32.1 | 96.3 |



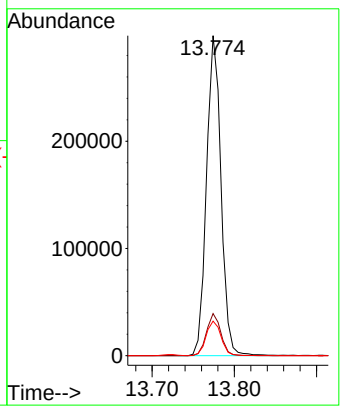


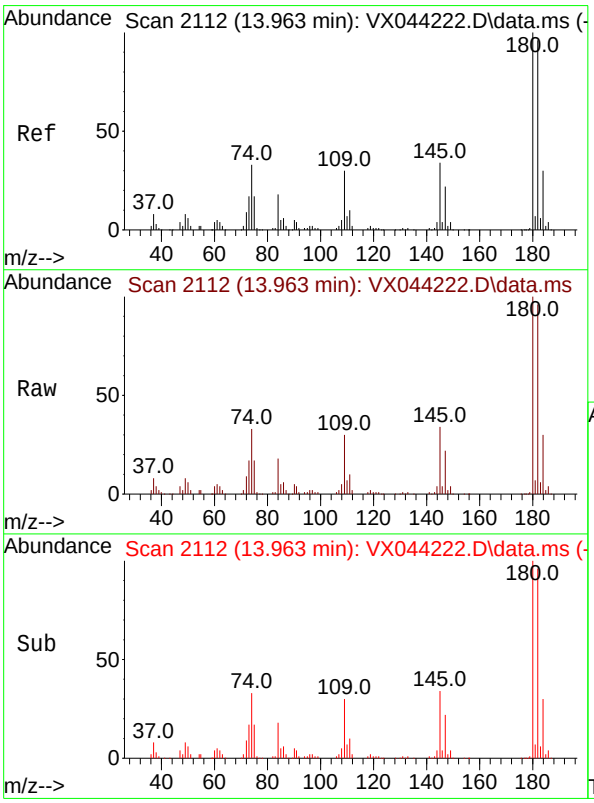

#95
Naphthalene
Concen: 53.230 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:128 Resp: 365234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.5 | 15.7 |
| 129 | 11.2 | 9.0 | 13.4 |

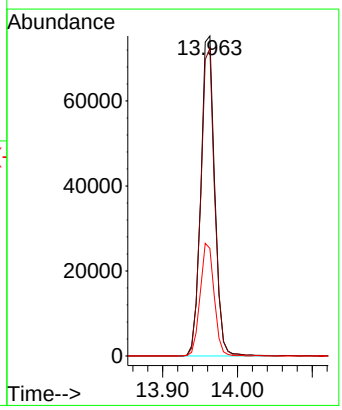



#96
1,2,3-Trichlorobenzene
Concen: 52.027 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:180 Resp: 97000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 48.0 | 144.0 |
| 145 | 35.4 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 130101 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 235738 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 209164 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 97670 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 224292 | 98.326 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 196.660%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 169582 | 103.866 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 207.740%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 579477 | 105.201 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 210.400%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 203694 | 105.830 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 211.660%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 193785 | 96.329 | ug/l | 97 |
| 3) Chloromethane | 1.295 | 50 | 186167 | 96.774 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 187739 | 93.675 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 137770 | 96.897 | ug/l | 97 |
| 6) Chloroethane | 1.660 | 64 | 109912 | 88.074 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.862 | 101 | 384622 | 98.030 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 124039 | 92.618 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 149151 | 93.944 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 203545 | 97.275 | ug/l | 100 |
| 11) Tert butyl alcohol | 3.008 | 59 | 173139 | 539.406 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 144268 | 98.930 | ug/l | 100 |
| 13) Acrolein | 2.240 | 56 | 226037 | 485.718 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 244602 | 100.703 | ug/l | 99 |
| 15) Acrylonitrile | 3.069 | 53 | 446747 | 501.661 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 452955 | 487.065 | ug/l | 97 |
| 17) Carbon Disulfide | 2.496 | 76 | 320036 | 115.453 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 230998 | 96.338 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 564545 | 99.205 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 168498 | 96.466 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 154797 | 99.880 | ug/l | 98 |
| 22) Diisopropyl ether | 3.764 | 45 | 538742 | 98.498 | ug/l | 99 |
| 23) Vinyl Acetate | 3.721 | 43 | 2395923 | 538.801 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 304626 | 99.915 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 662768 | 501.306 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 258092 | 104.201 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 190127 | 96.593 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 144783 | 96.842 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 412666 | 486.290 | ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 331047 | 96.642 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 239879 | 97.433 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 291065 | 102.363 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 209732 | 99.376 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 266307 | 102.079 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 236869 | 104.249 | ug/l | 96 |
| 39) Methylcyclohexane | 7.373 | 83 | 259368 | 102.800 | ug/l | 98 |
| 40) Benzene | 6.032 | 78 | 638055 | 99.575 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 140375 | 101.332 ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 261991 | 99.255 ug/l | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 427893 | 104.939 ug/l | 99 |
| 44) Trichloroethene | 7.123 | 130 | 158990 | 99.497 ug/l | 99 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 160913 | 98.293 ug/l | 97 |
| 46) Dibromomethane | 7.580 | 93 | 130316 | 102.607 ug/l | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 244401 | 111.423 ug/l | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 203116 | 102.618 ug/l | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 61921 | 1830.521 ug/l # | 80 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 1322678 | 504.496 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 396383 | 98.506 ug/l | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 248092 | 99.321 ug/l | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 263014 | 110.127 ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 157366 | 98.441 ug/l | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 271146 | 107.442 ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 274642 | 98.704 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 671233 | 527.342 ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 989466 | 521.401 ug/l | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 178135 | 99.480 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 171458 | 105.371 ug/l | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 130678 | 94.131 ug/l | 97 |
| 65) Chlorobenzene | 10.080 | 112 | 433179 | 96.650 ug/l | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 153882 | 106.831 ug/l | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 765930 | 98.906 ug/l | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 571648 | 201.171 ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 280603 | 97.597 ug/l | 100 |
| 70) Styrene | 10.653 | 104 | 480077 | 104.159 ug/l | 97 |
| 71) Bromoform | 10.799 | 173 | 112482 | 99.723 ug/l # | 98 |
| 73) Isopropylbenzene | 10.964 | 105 | 731955 | 97.894 ug/l | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 371420 | 107.485 ug/l | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 245395 | 94.491 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 278299 | 125.569 ug/l | 85 |
| 77) Bromobenzene | 11.195 | 156 | 175647 | 96.874 ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 836676 | 101.242 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 504407 | 94.377 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 604993 | 97.570 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 78453 | 97.165 ug/l | 94 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 588197 | 99.384 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 606738 | 99.013 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 614999 | 100.994 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 743098 | 99.889 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 624416 | 100.847 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 317377 | 100.210 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 316688 | 97.271 ug/l | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 564303 | 108.385 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 105946 | 117.218 ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 323040 | 98.232 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 54588 | 108.279 ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 197899 | 109.766 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 72453 | 99.908 ug/l | 97 |
| 95) Naphthalene | 13.774 | 128 | 755181 | 107.308 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 206053 | 107.754 ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

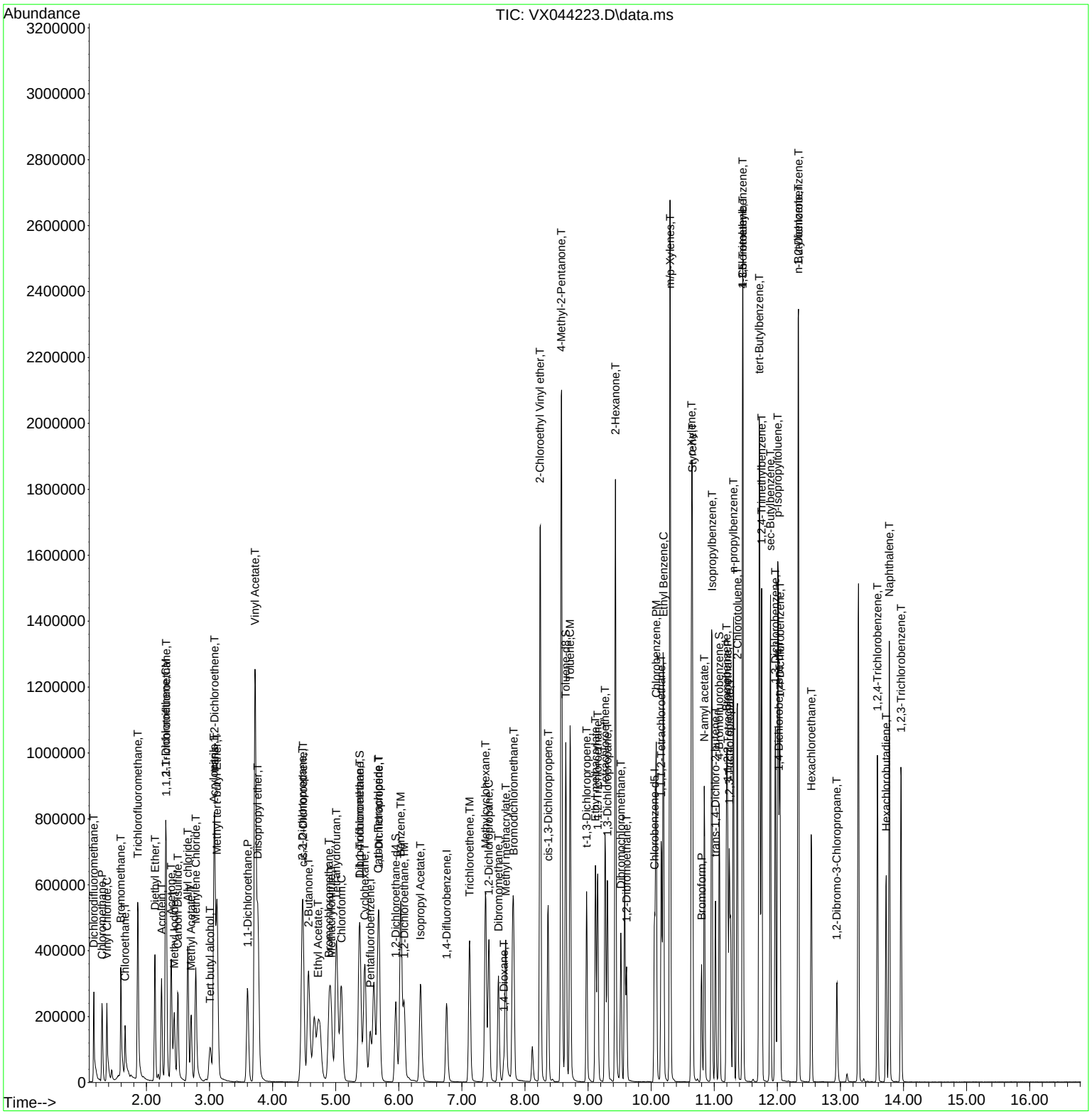
(#) = qualifier out of range (m) = manual integration (+) = signals summed

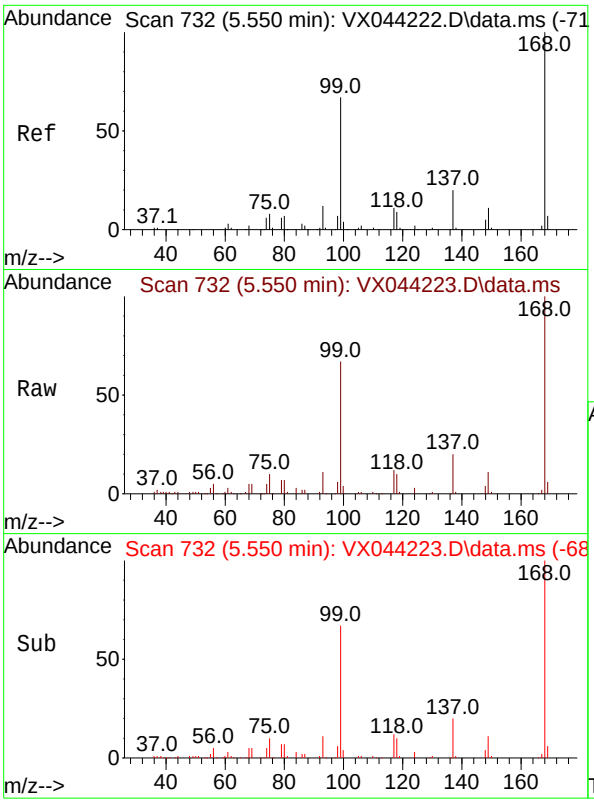
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



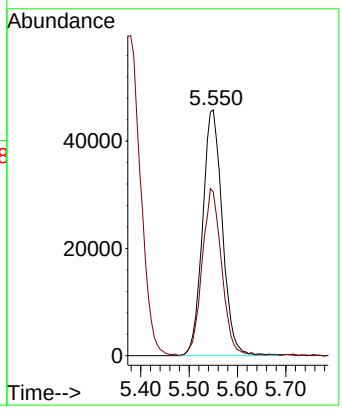


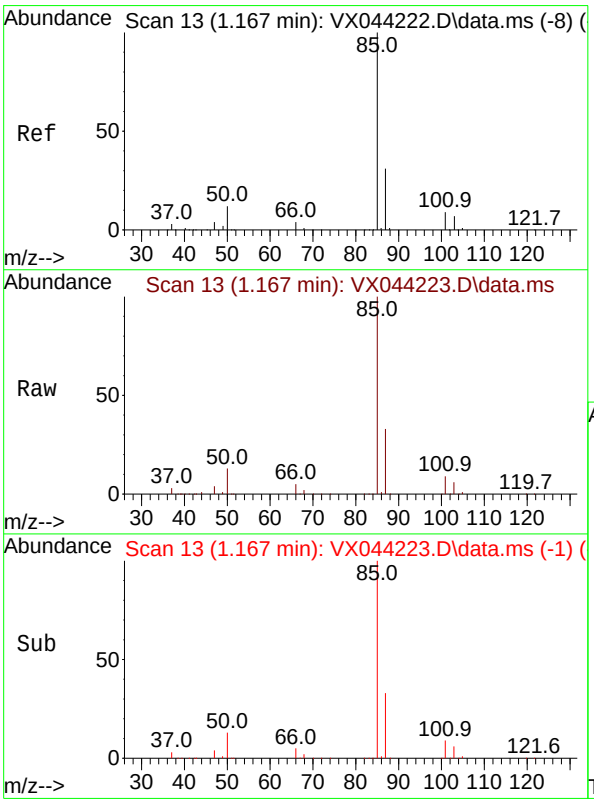

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:168 Resp: 130101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.4 | 53.4 | 80.0 |

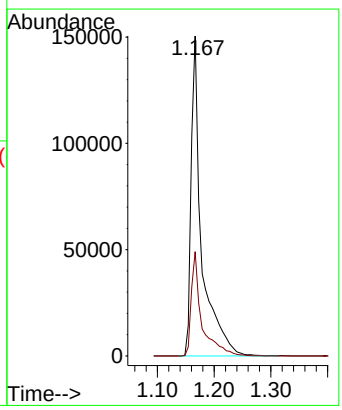


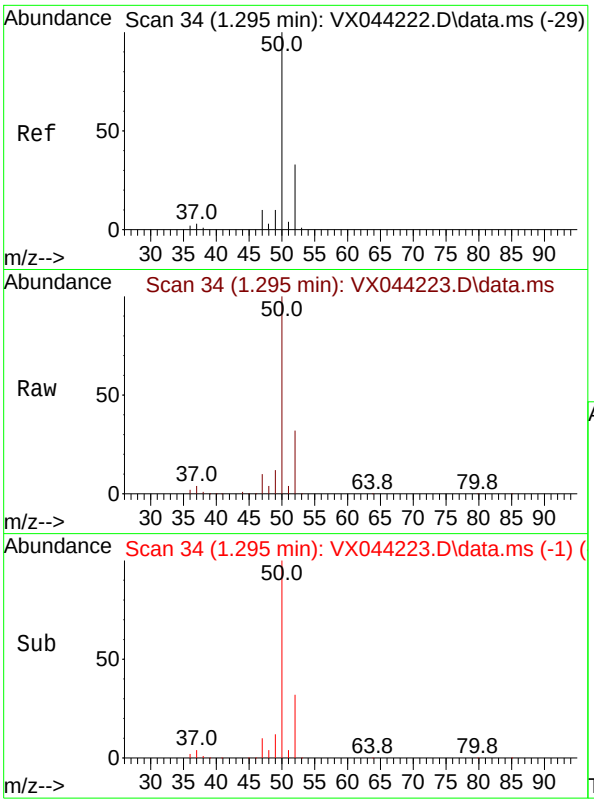




#2
Dichlorodifluoromethane
Concen: 96.329 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 85 Resp: 193785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 15.4 | 46.4 |



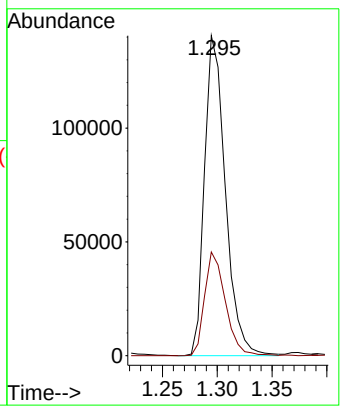


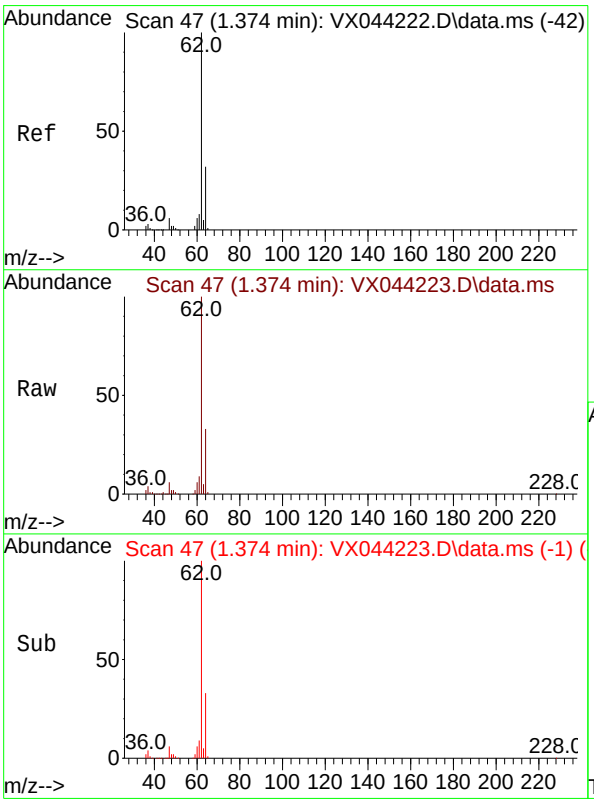

#3
Chloromethane
Concen: 96.774 ug/l
RT: 1.295 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 50 Resp: 186167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.4 | 26.5 | 39.7 |

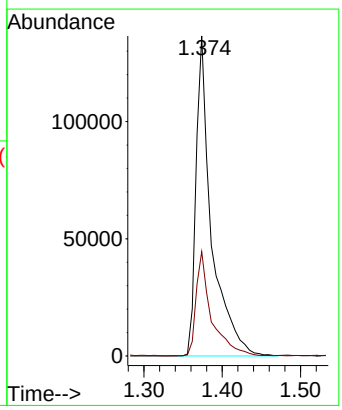


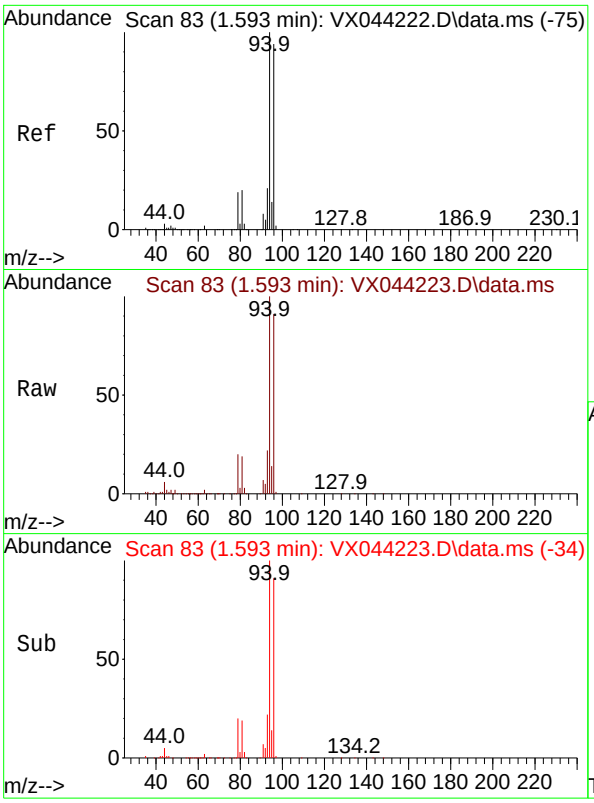




#4
Vinyl Chloride
Concen: 93.675 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 62 Resp: 187739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 25.7 | 38.5 |



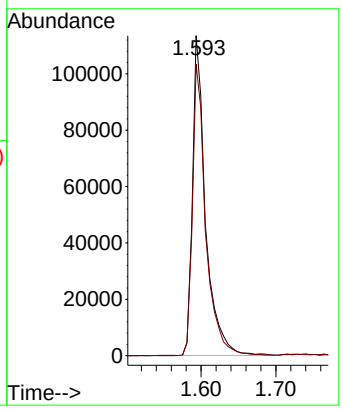


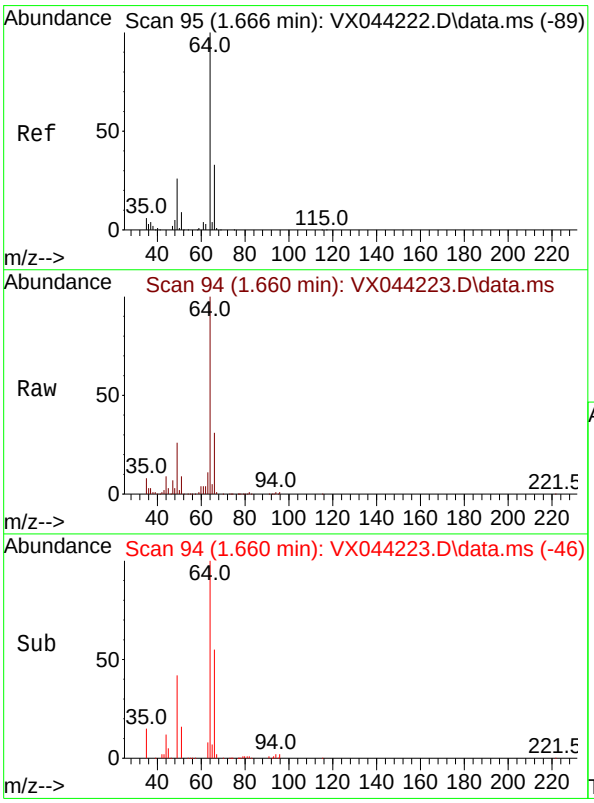

#5
Bromomethane
Concen: 96.897 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 94 Resp: 137770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.1 | 74.9 | 112.3 |

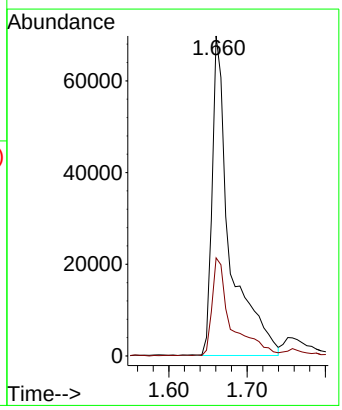


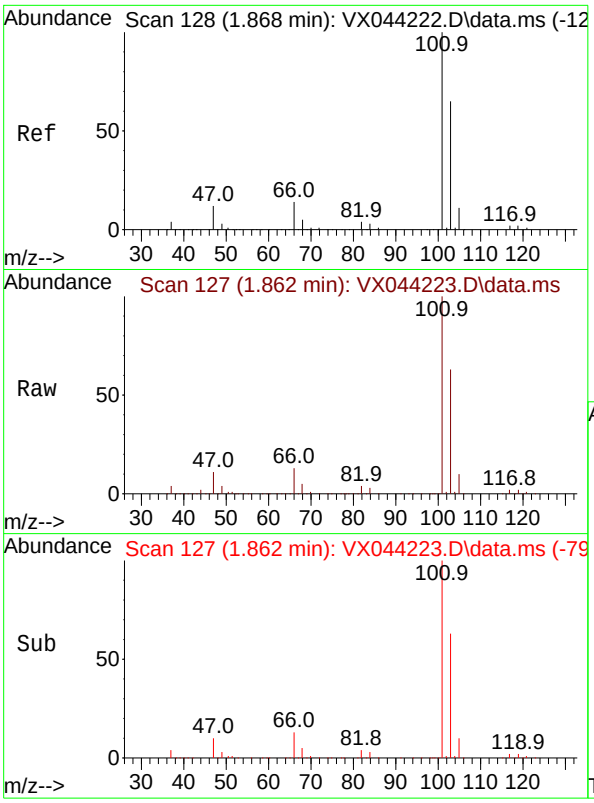




#6
Chloroethane
Concen: 88.074 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 64 Resp: 109912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.5 | 26.6 | 39.8 |



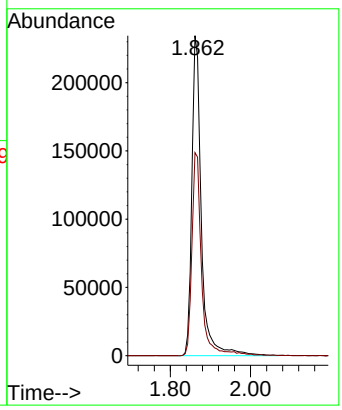


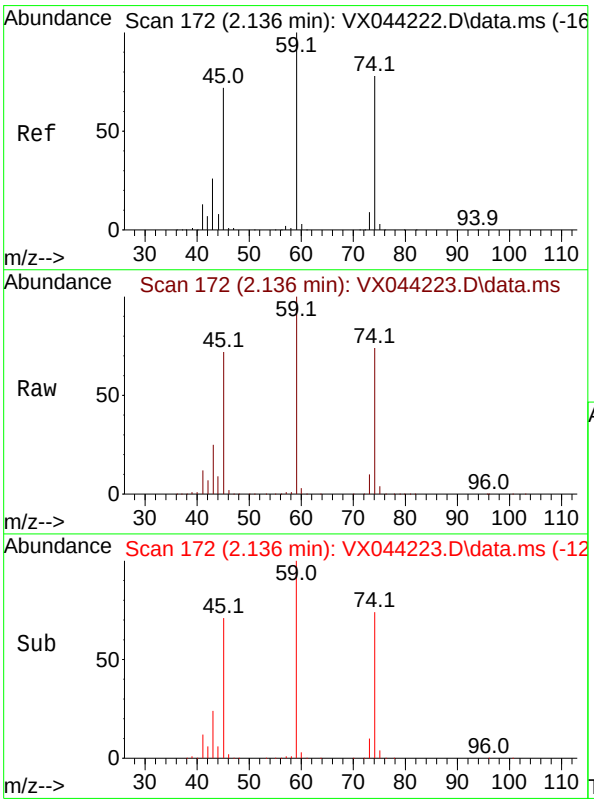

#7
Trichlorofluoromethane
Concen: 98.030 ug/l
RT: 1.862 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 384622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |

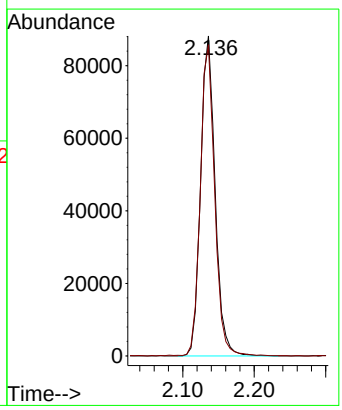


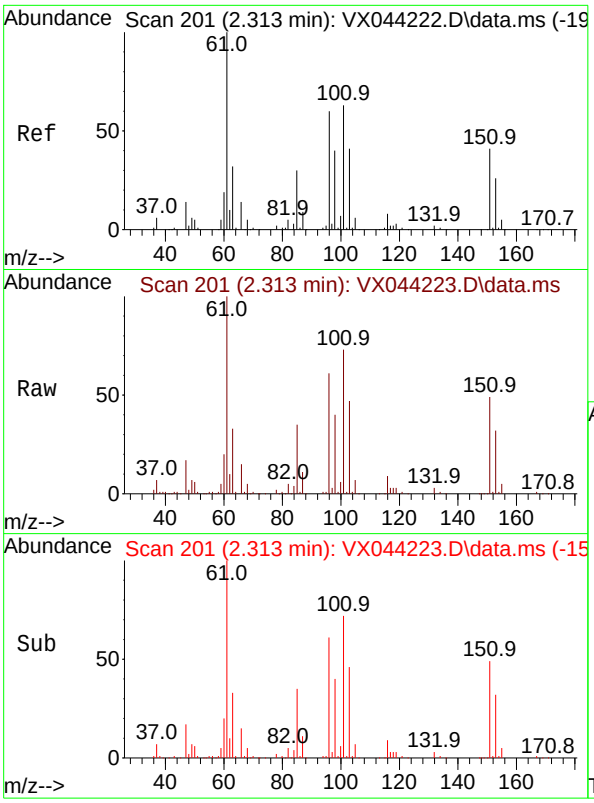




#8
Diethyl Ether
Concen: 92.618 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 74 Resp: 124039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.3 | 48.4 | 145.0 |



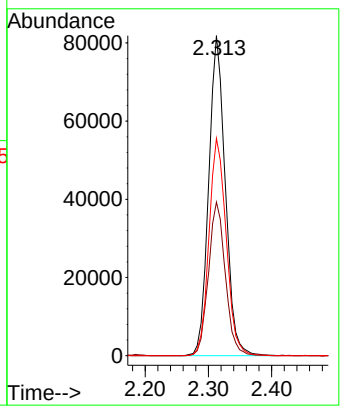


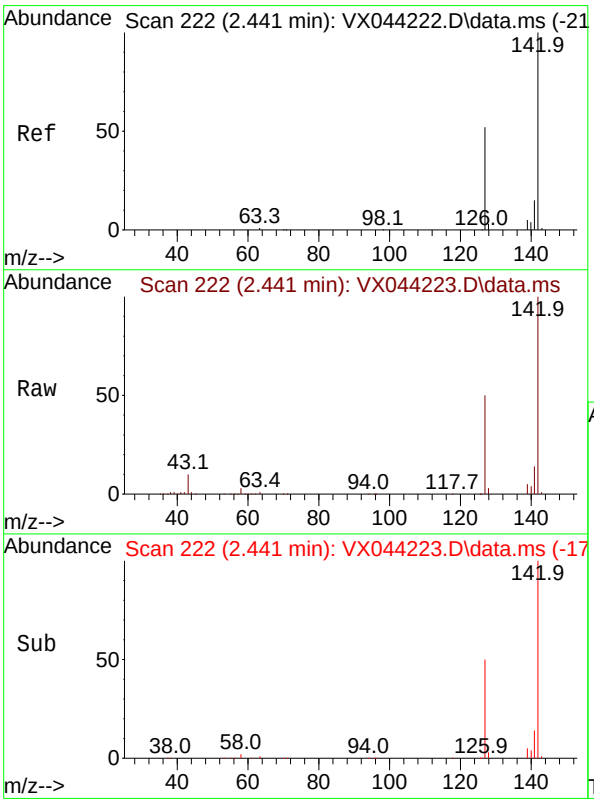

#9
1,1,2-Trichlorotrifluoroethane
Concen: 93.944 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 149151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.9 | 38.5 | 57.7 |
| 151 | 70.5 | 55.8 | 83.6 |

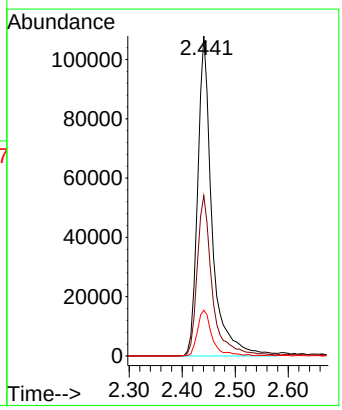


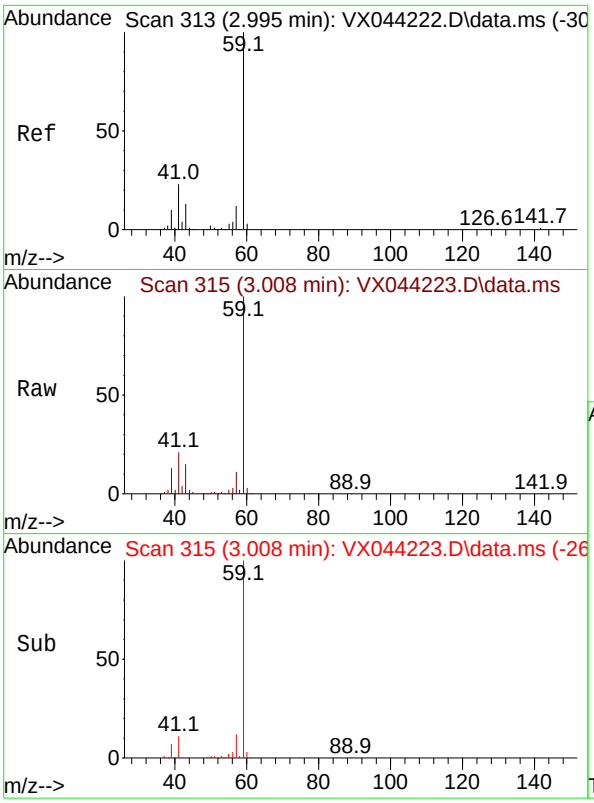




#10
Methyl Iodide
Concen: 97.275 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:142 Resp: 203545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.4 | 41.8 | 62.8 |
| 141 | 14.8 | 11.5 | 17.3 |



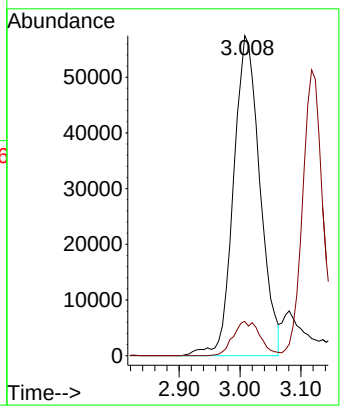


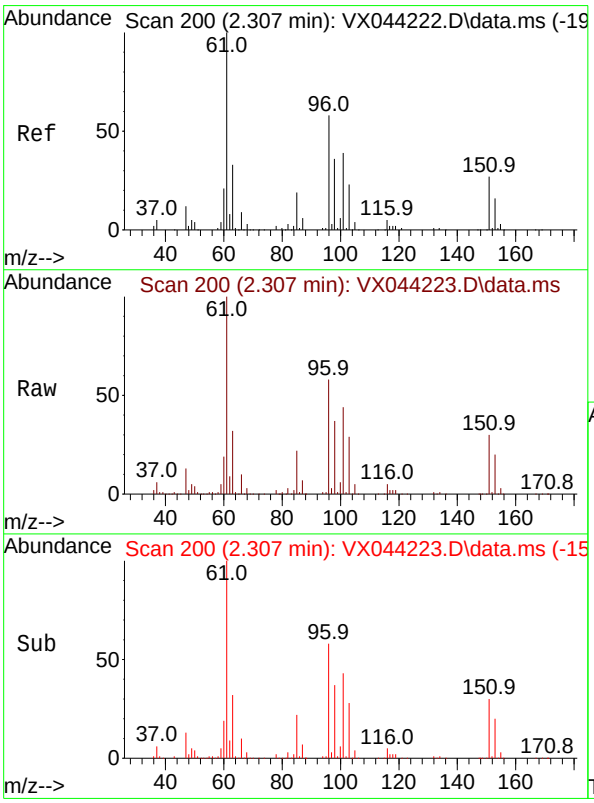

#11
Tert butyl alcohol
Concen: 539.406 ug/l
RT: 3.008 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 59 Resp: 173139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.1 | 8.8 | 13.2 |

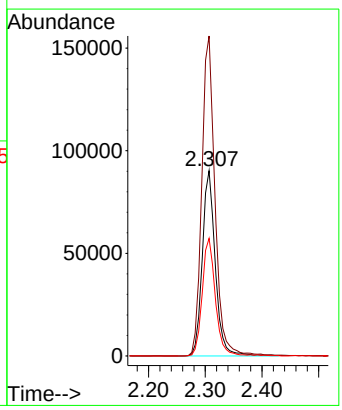


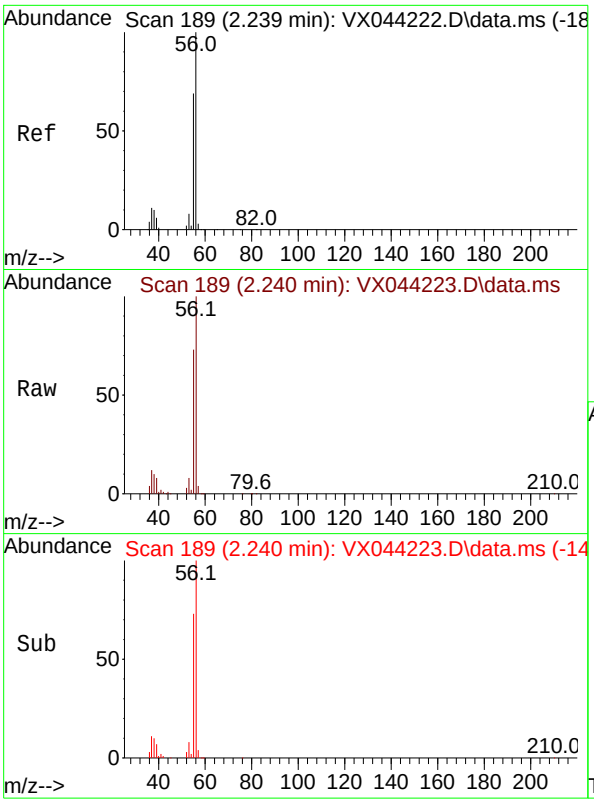




#12
1,1-Dichloroethene
Concen: 98.930 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 96 Resp: 144268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.7 | 138.0 | 207.0 |
| 98 | 63.5 | 50.0 | 75.0 |



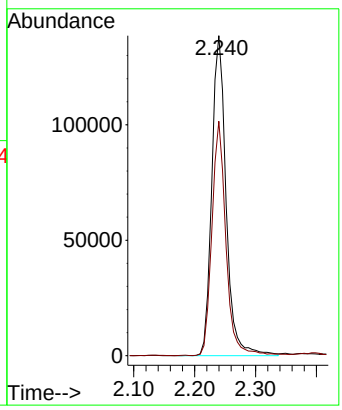


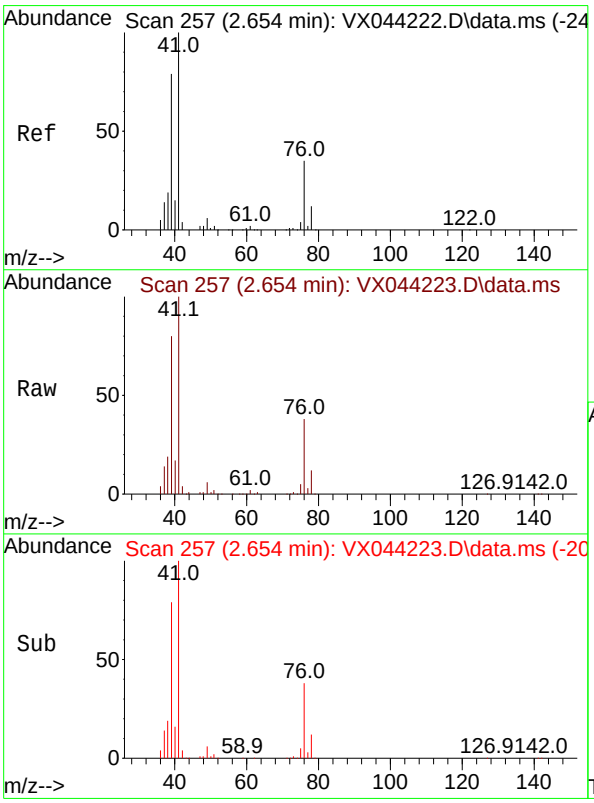

#13
Acrolein
Concen: 485.718 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 226037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.7 | 56.6 | 84.8 |

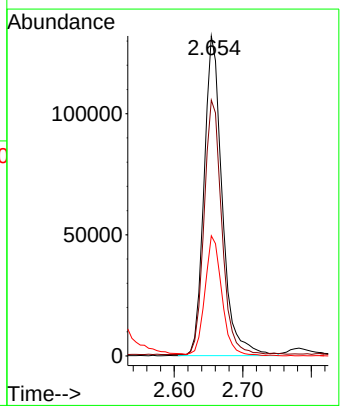


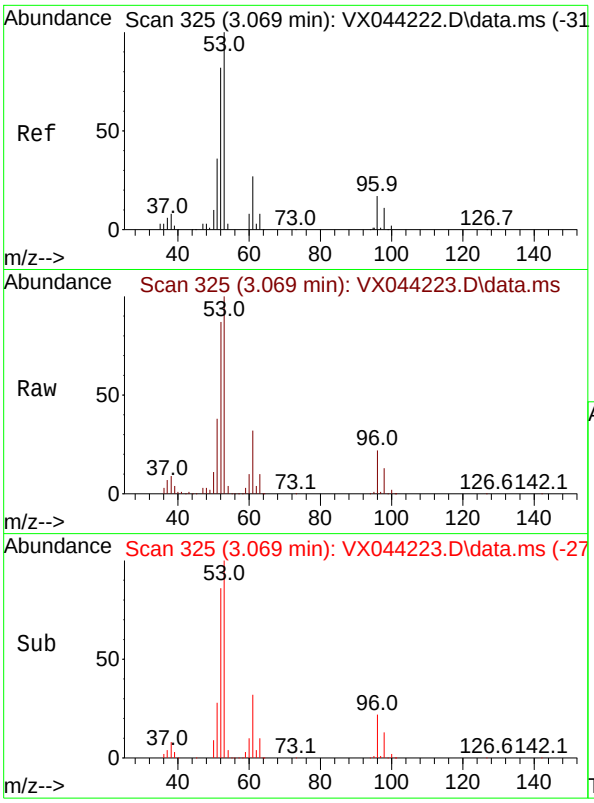




#14
Allyl chloride
Concen: 100.703 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 244602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.0 | 61.9 | 92.9 |
| 76 | 34.7 | 27.4 | 41.2 |



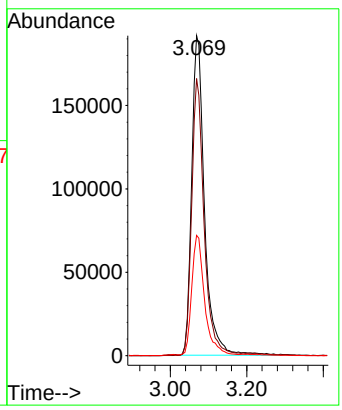


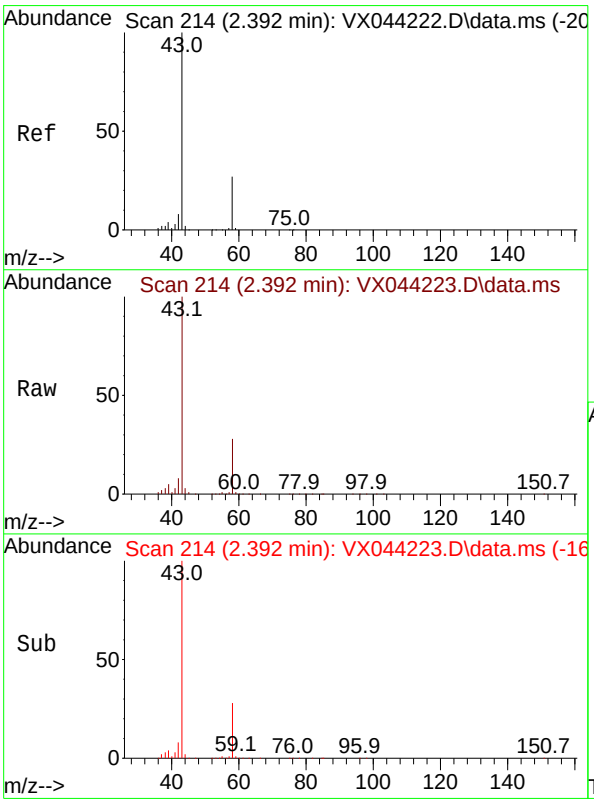

#15
Acrylonitrile
Concen: 501.661 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 53 Resp: 446747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.0 | 67.4 | 101.0 |
| 51 | 37.0 | 30.3 | 45.5 |

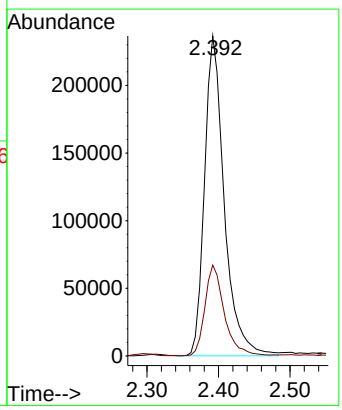


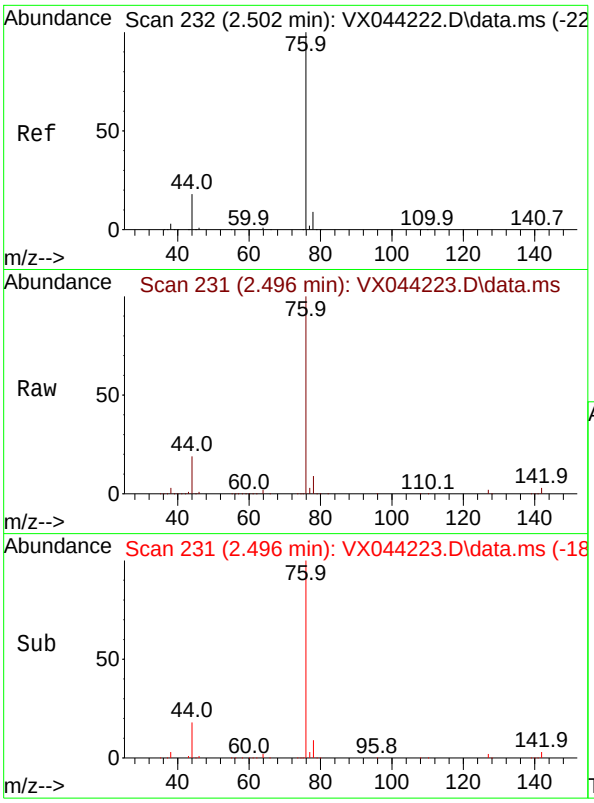




#16
Acetone
Concen: 487.065 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 452955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.4 | 21.6 | 32.4 |



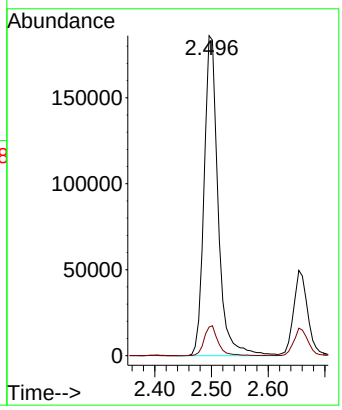


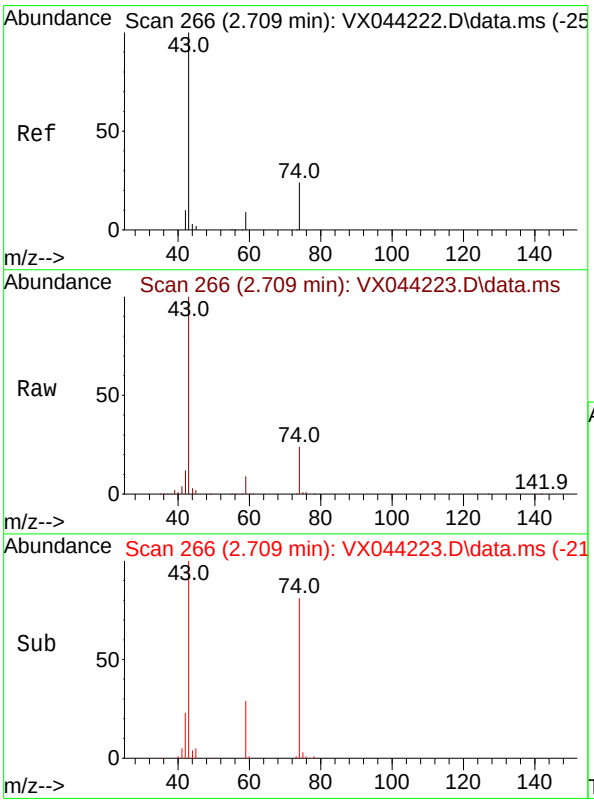

#17
Carbon Disulfide
Concen: 115.453 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 320036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.4 | 11.0 |

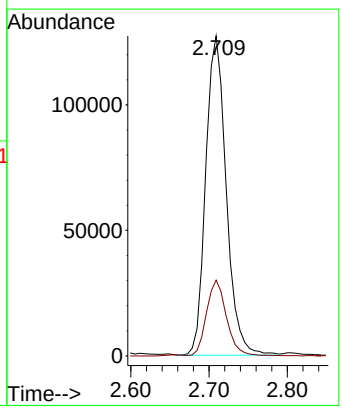


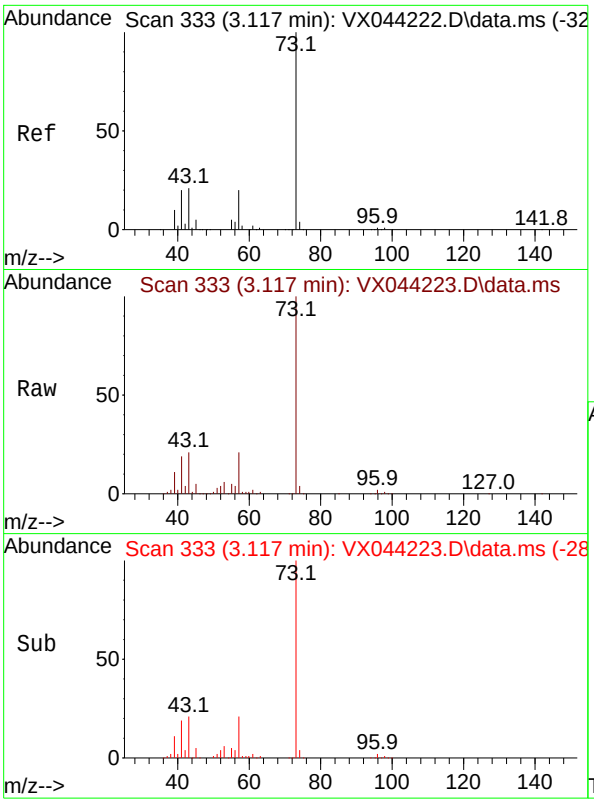




#18
Methyl Acetate
Concen: 96.338 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 230998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.3 | 17.7 | 26.5 |



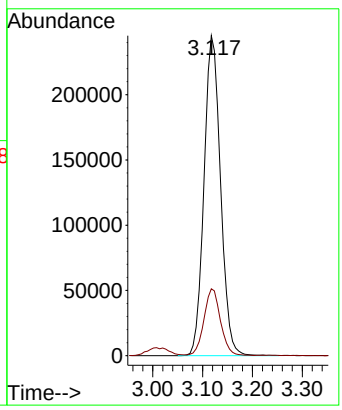


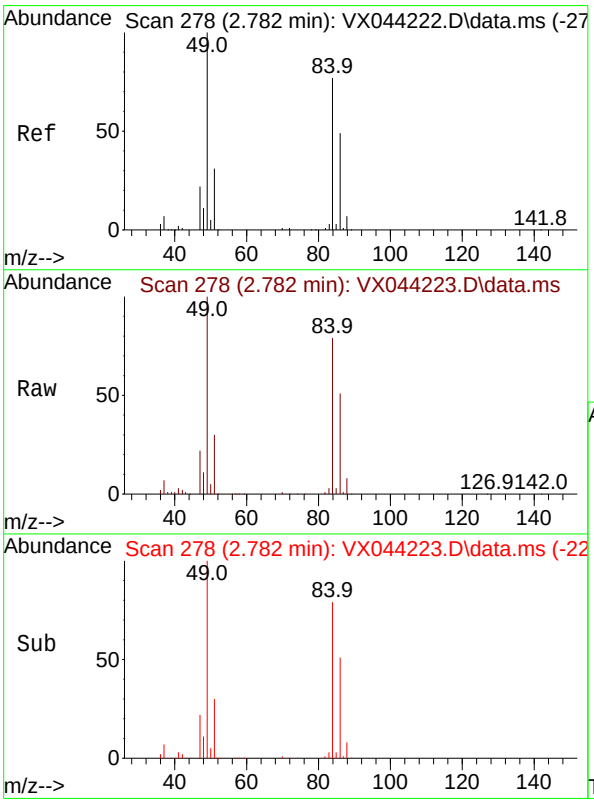

#19
Methyl tert-butyl Ether
Concen: 99.205 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 73 Resp: 564545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.8 | 16.2 | 24.4 |

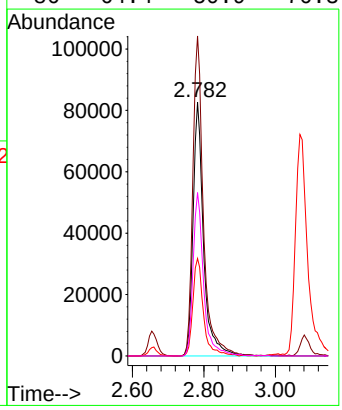


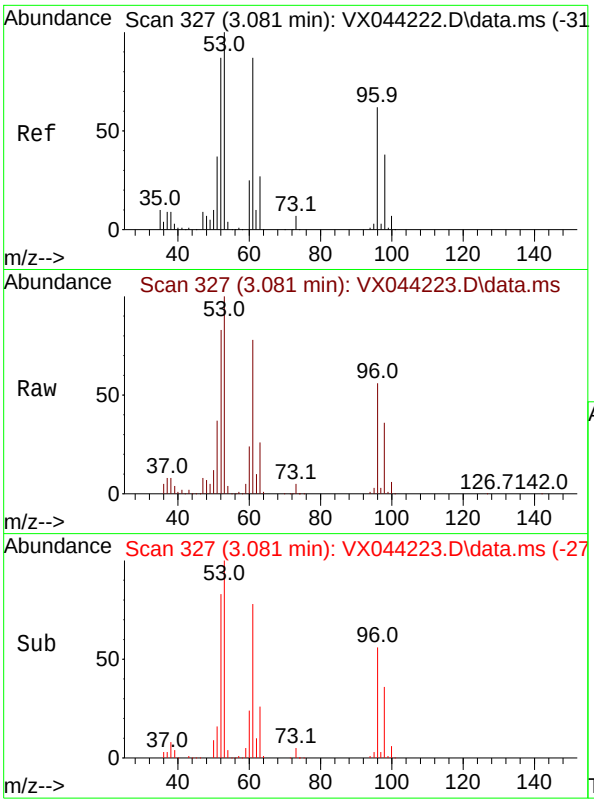




#20
Methylene Chloride
Concen: 96.466 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 84 Resp: 168498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.1 | 104.2 | 156.4 |
| 51 | 38.4 | 32.2 | 48.4 |
| 86 | 64.4 | 50.9 | 76.3 |



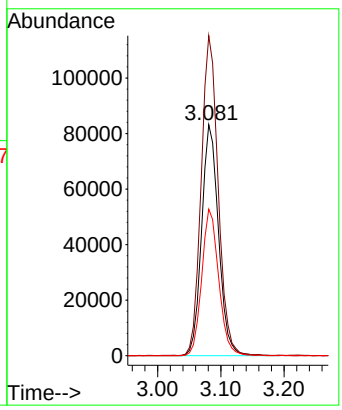


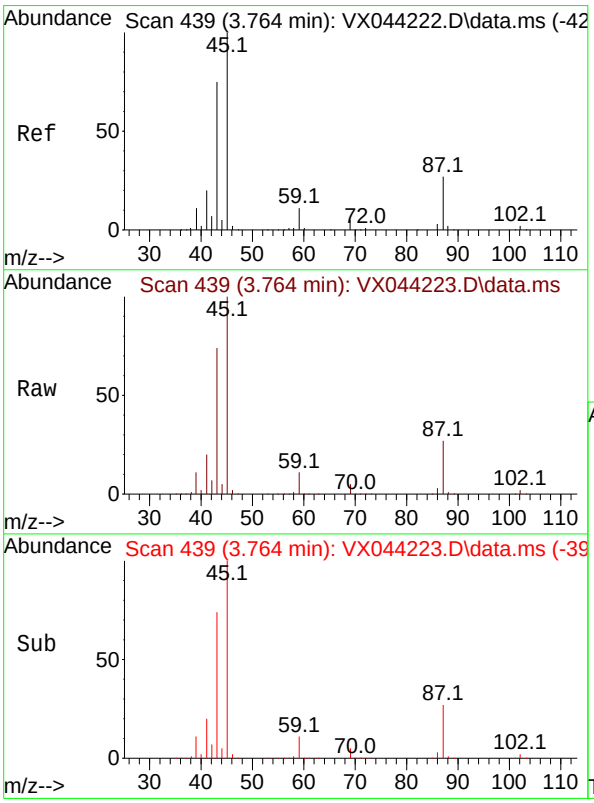

#21
trans-1,2-Dichloroethene
Concen: 99.880 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 154797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.4 | 112.0 | 168.0 |
| 98 | 63.5 | 48.8 | 73.2 |

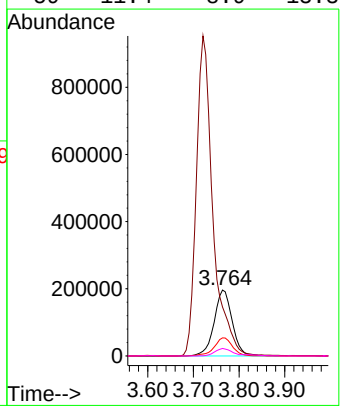


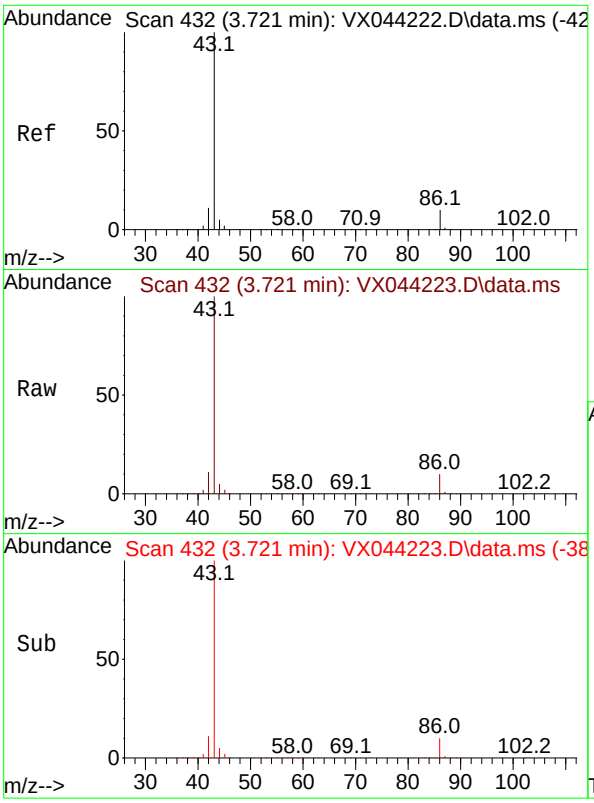




#22
Diisopropyl ether
Concen: 98.498 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 45 Resp: 538742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 74.2 | 60.2 | 90.2 |
| 87 | 27.4 | 21.2 | 31.8 |
| 59 | 11.4 | 8.9 | 13.3 |



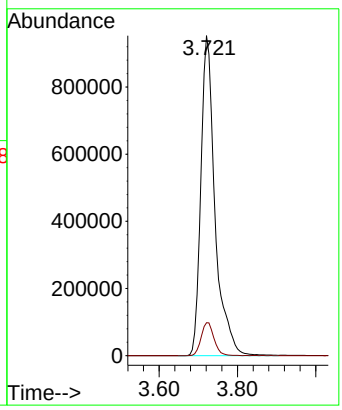


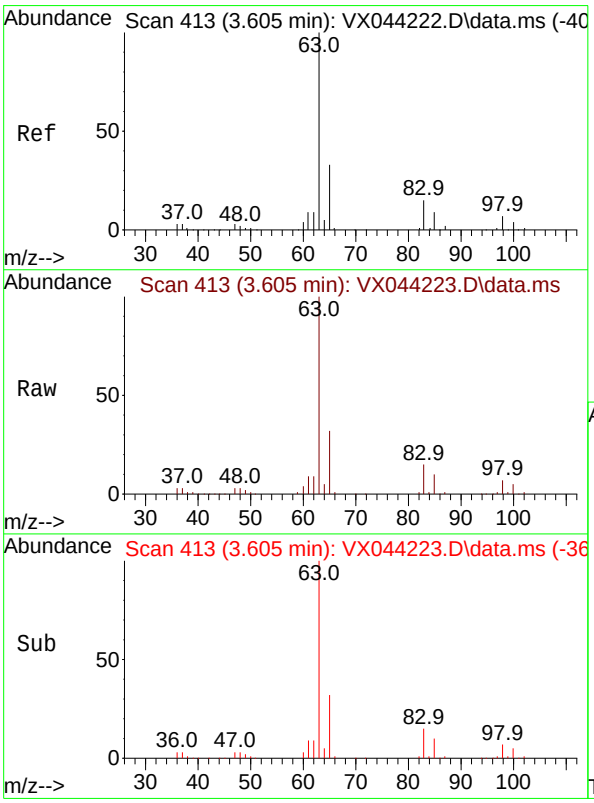

#23
Vinyl Acetate
Concen: 538.801 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 2395923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.3 | 8.2 | 12.2 |

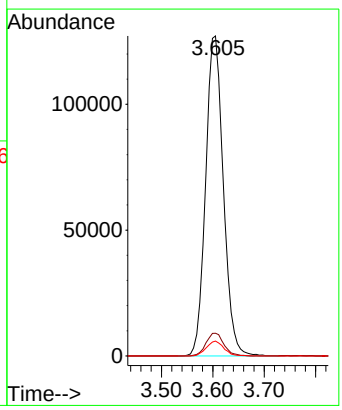


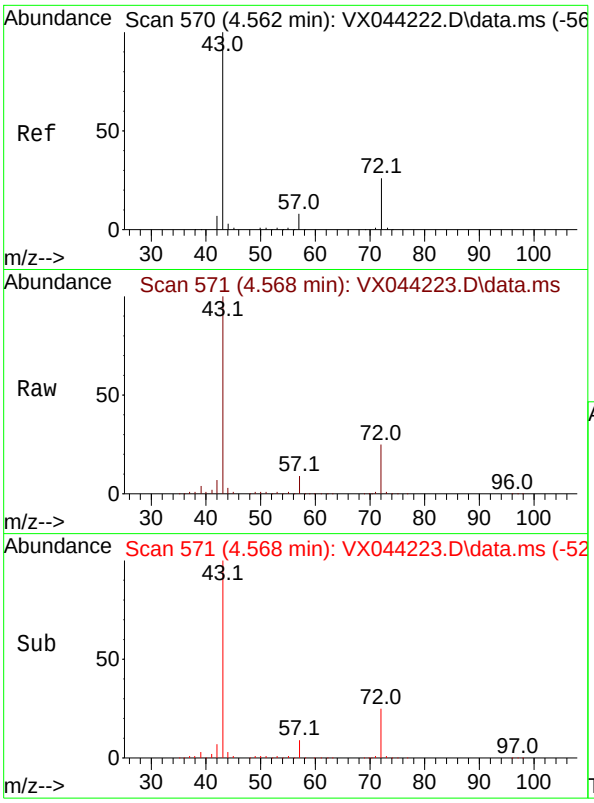




#24
1,1-Dichloroethane
Concen: 99.915 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 304626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.6 | 10.8 |
| 100 | 4.6 | 2.1 | 6.3 |



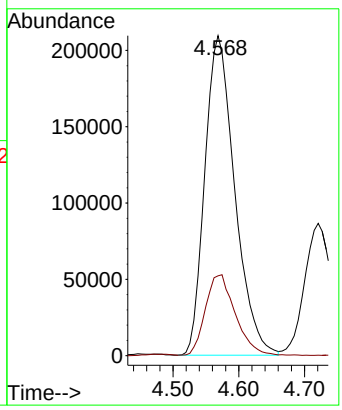


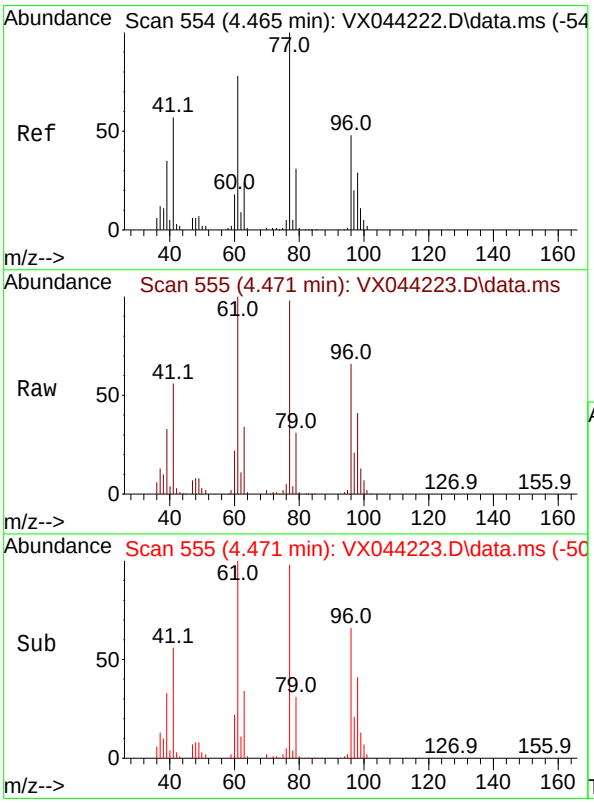

#25
2-Butanone
Concen: 501.306 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 662768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 20.2 | 30.4 |

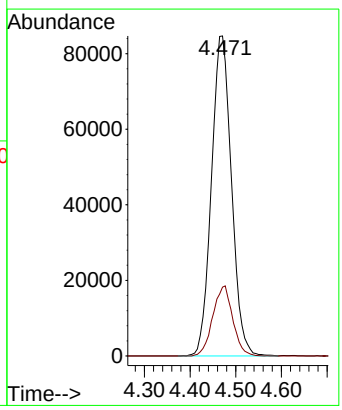


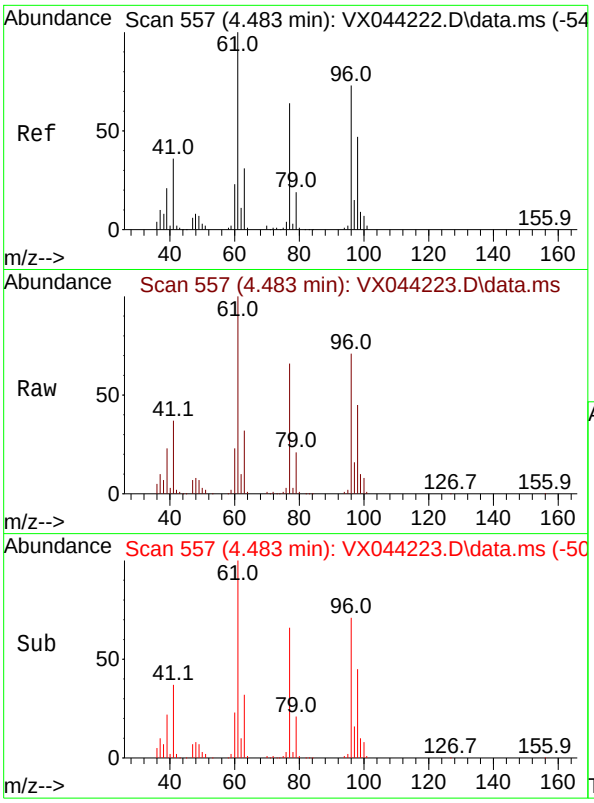




#26
2,2-Dichloropropane
Concen: 104.201 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 77 Resp: 258092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.7 | 32.1 |



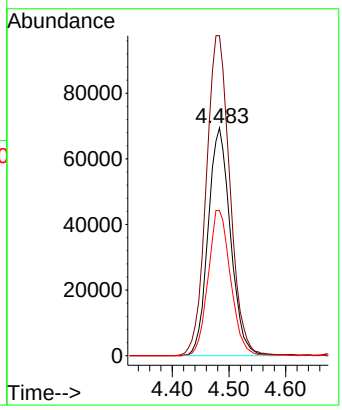


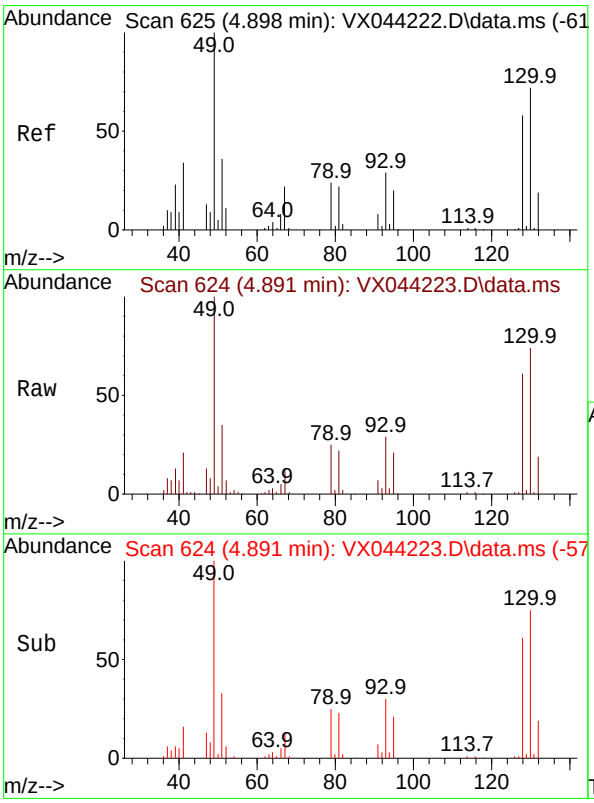

#27
cis-1,2-Dichloroethene
Concen: 96.593 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 190127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.5 | 0.0 | 299.0 |
| 98 | 64.2 | 0.0 | 129.0 |

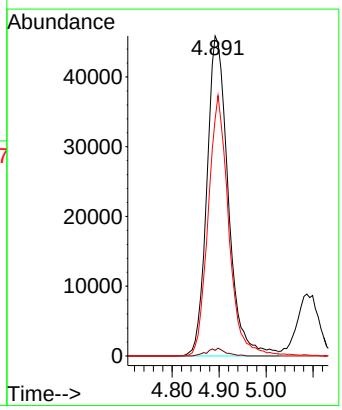


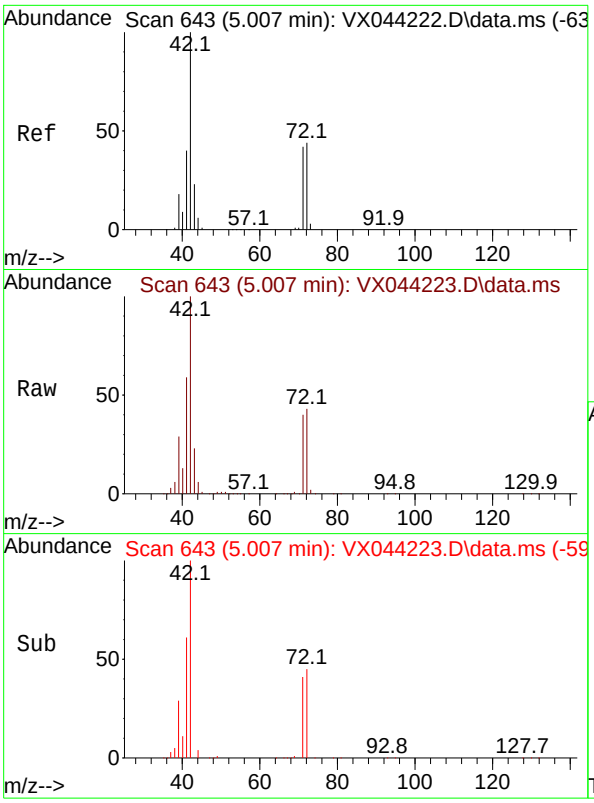




#28
Bromochloromethane
Concen: 96.842 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 49 Resp: 144783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.2 |
| 130 | 78.2 | 62.1 | 93.1 |



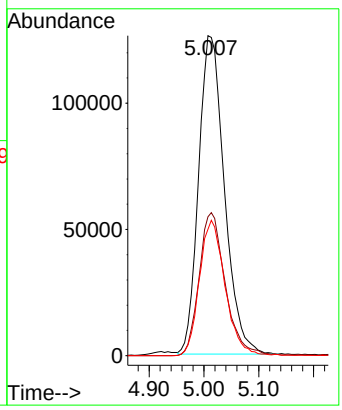


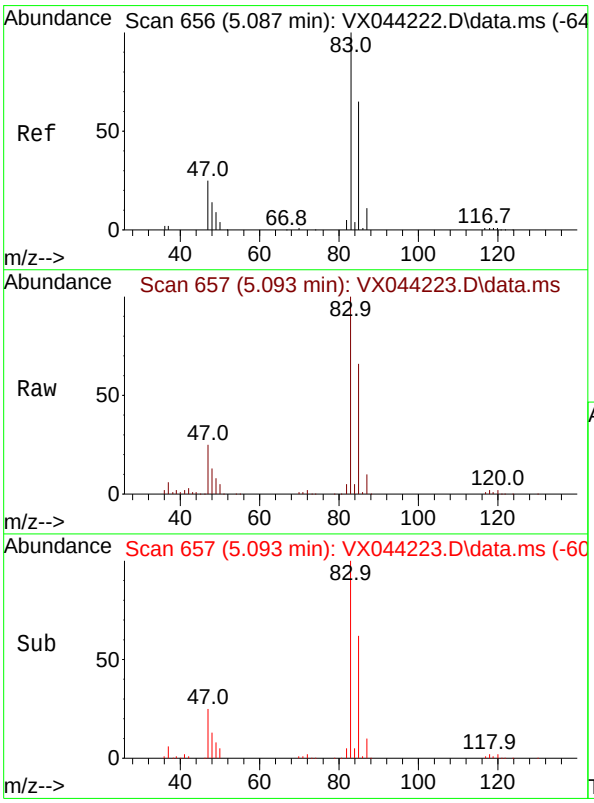

#29
Tetrahydrofuran
Concen: 486.290 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 42 Resp: 412666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.6 | 37.0 | 55.6 |
| 71 | 42.1 | 33.6 | 50.4 |

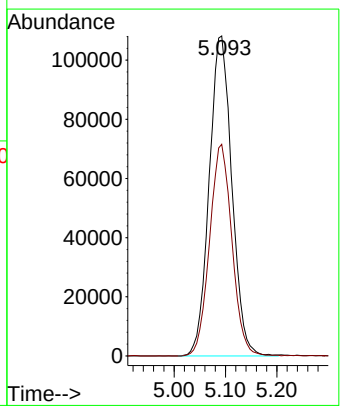


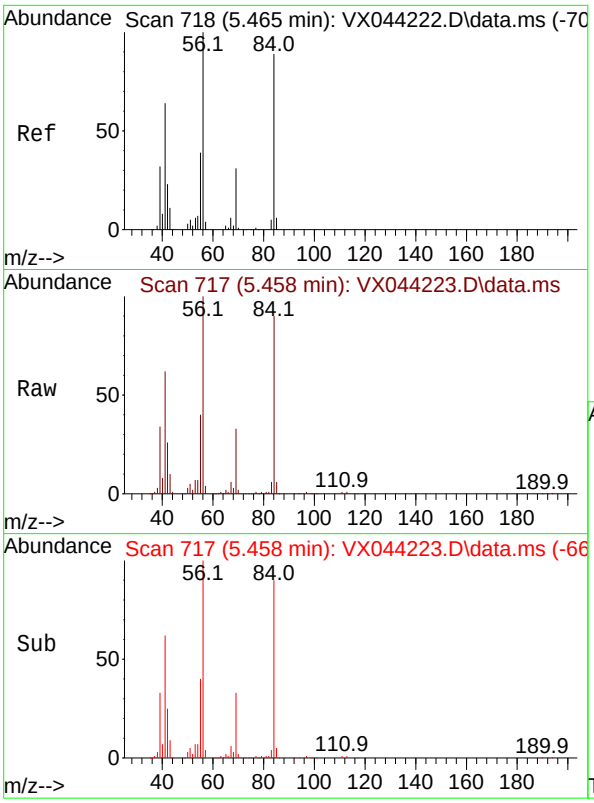




#30
Chloroform
Concen: 96.642 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 83 Resp: 331047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.1 | 51.6 | 77.4 |



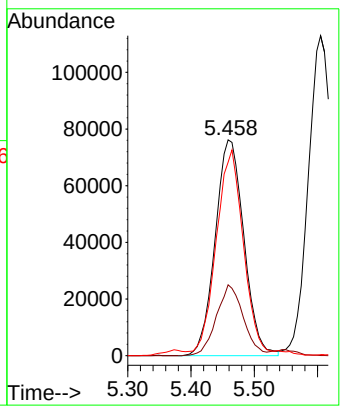


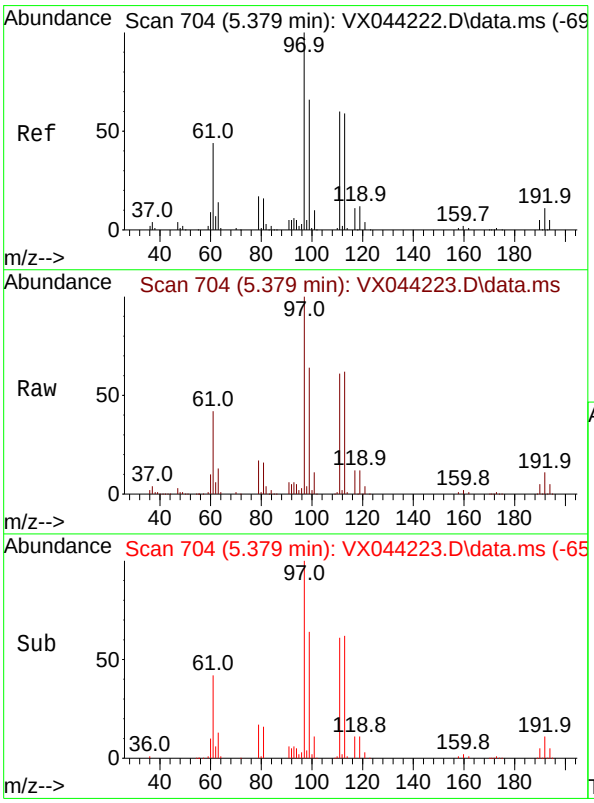

#31
Cyclohexane
Concen: 97.433 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 239879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.8 | 24.7 | 37.1 |
| 84 | 87.3 | 71.0 | 106.6 |

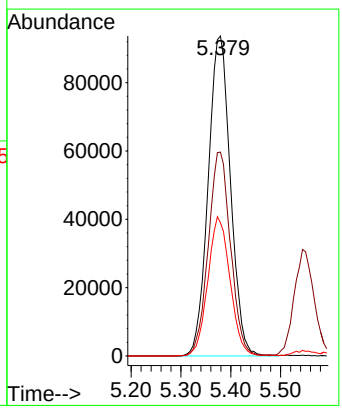


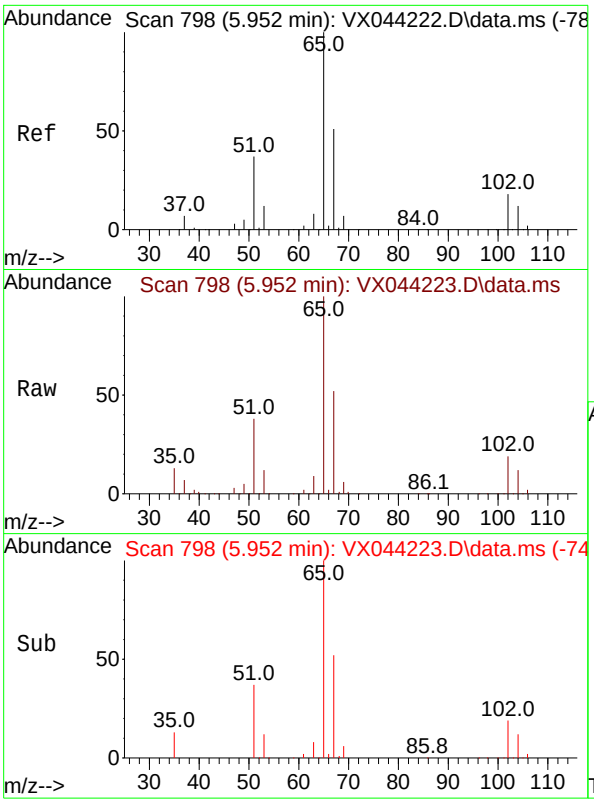




#32
1,1,1-Trichloroethane
Concen: 102.363 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 97 Resp: 291065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 50.8 | 76.2 |
| 61 | 43.3 | 35.2 | 52.8 |



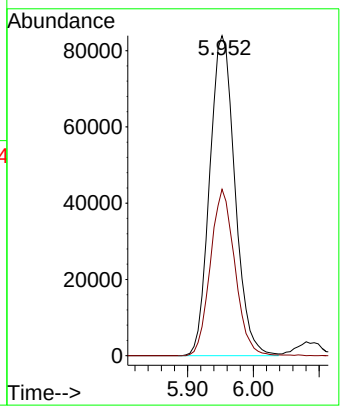


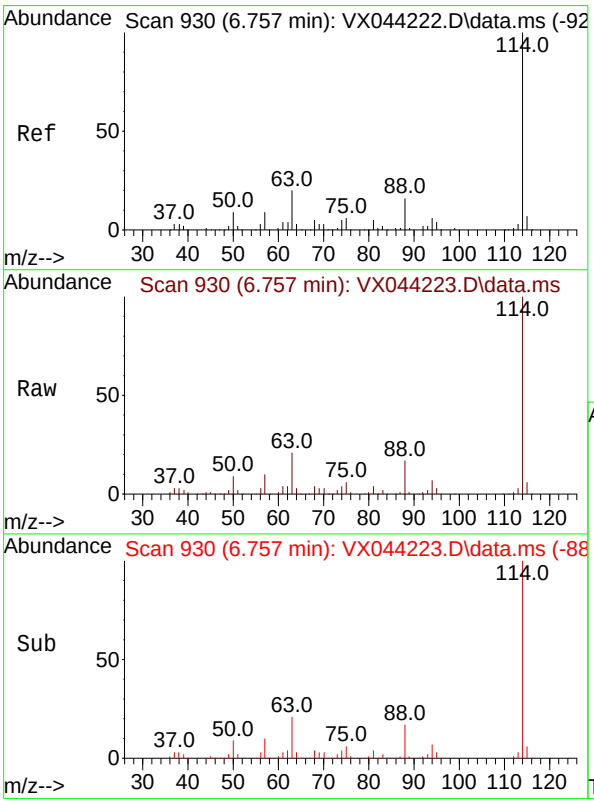

#33
1,2-Dichloroethane-d4
Concen: 98.326 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 65 Resp: 224292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |

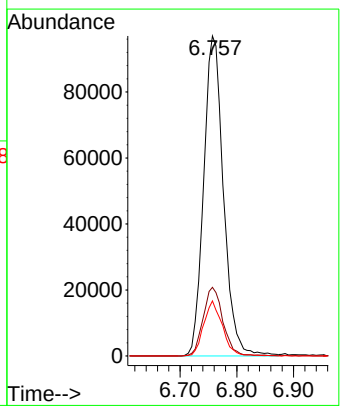


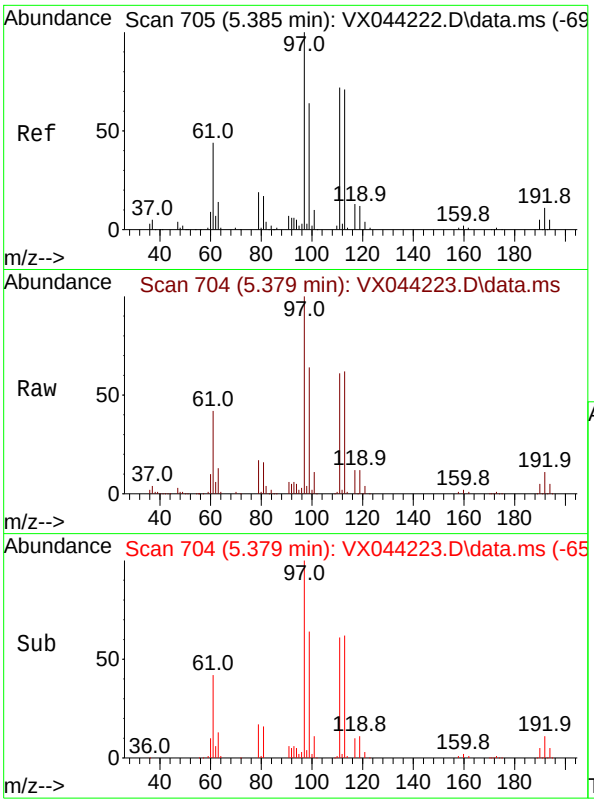




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:114 Resp: 235738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.5 | 0.0 | 40.6 |
| 88 | 17.2 | 0.0 | 31.8 |



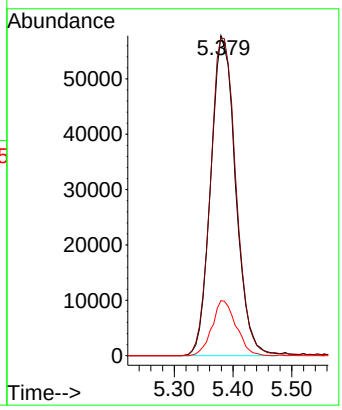


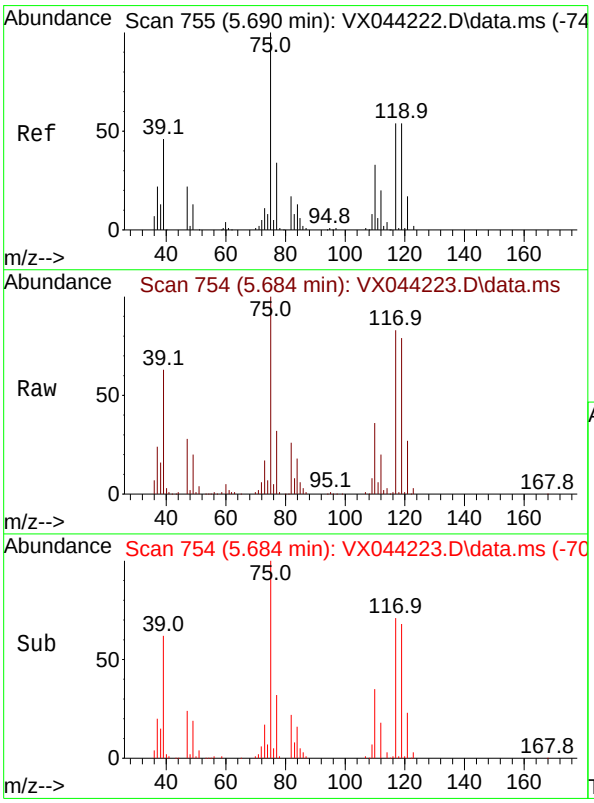

#35
Dibromofluoromethane
Concen: 103.866 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:113 Resp: 169582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 80.4 | 120.6 |
| 192 | 16.7 | 13.3 | 19.9 |

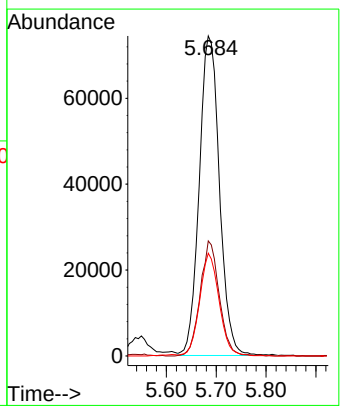


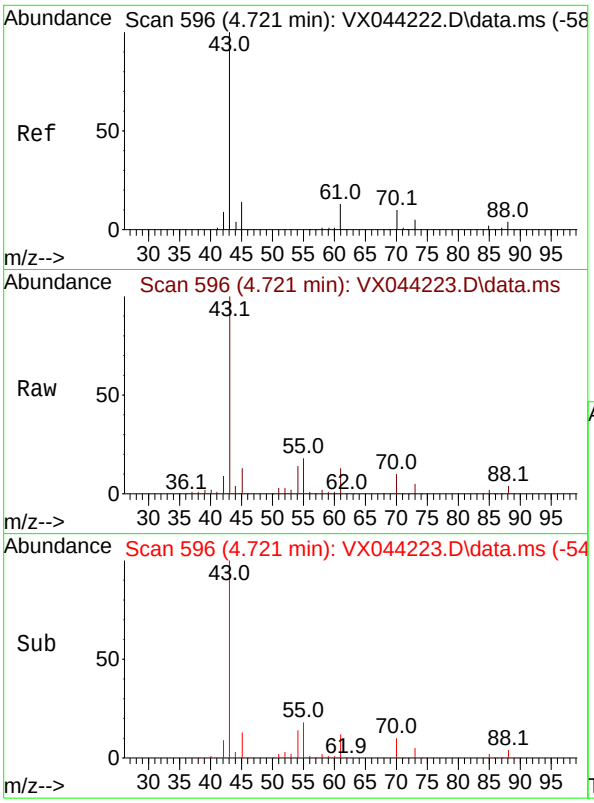




#36
1,1-Dichloropropene
Concen: 99.376 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 209732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 17.3 | 51.7 |
| 77 | 30.6 | 25.4 | 38.0 |



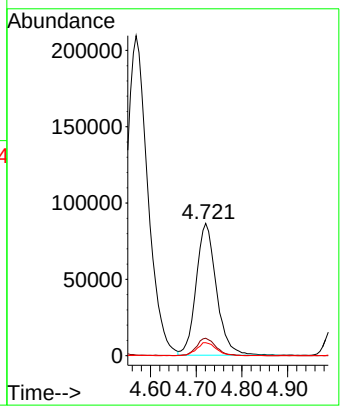


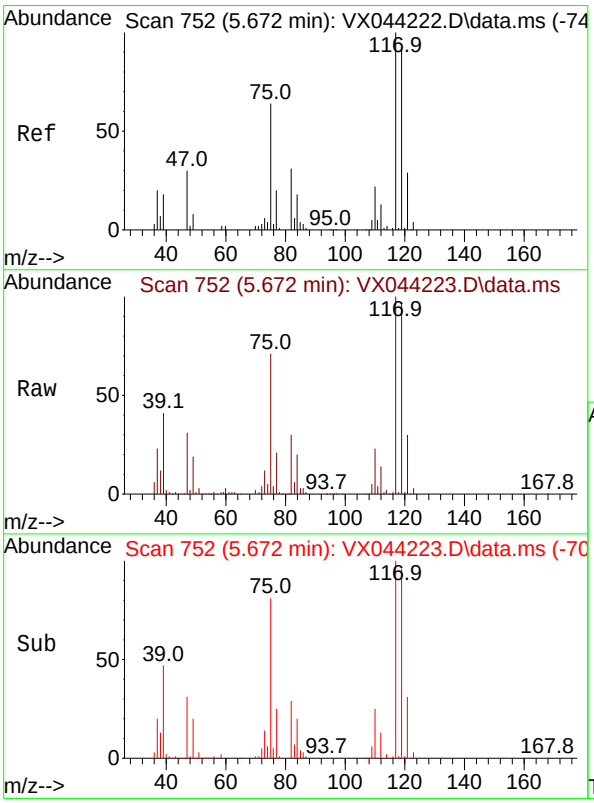

#37
Ethyl Acetate
Concen: 102.079 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 266307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.5 | 9.8 | 14.8 |
| 70 | 9.5 | 7.7 | 11.5 |

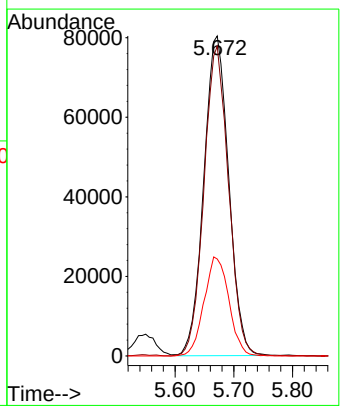


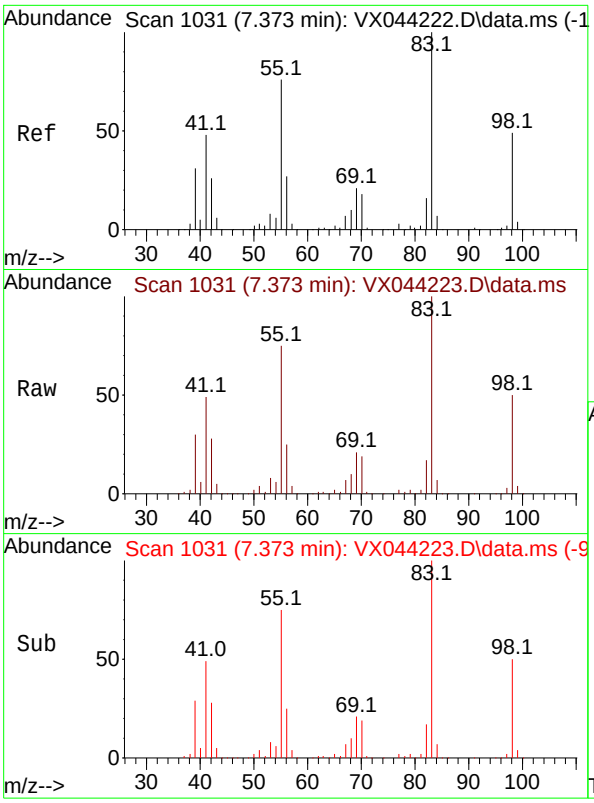




#38
Carbon Tetrachloride
Concen: 104.249 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 236869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.7 | 74.2 | 111.4 |
| 121 | 30.4 | 23.0 | 34.6 |



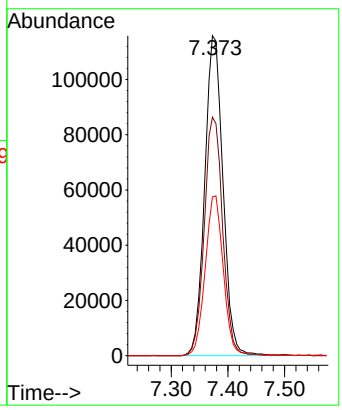


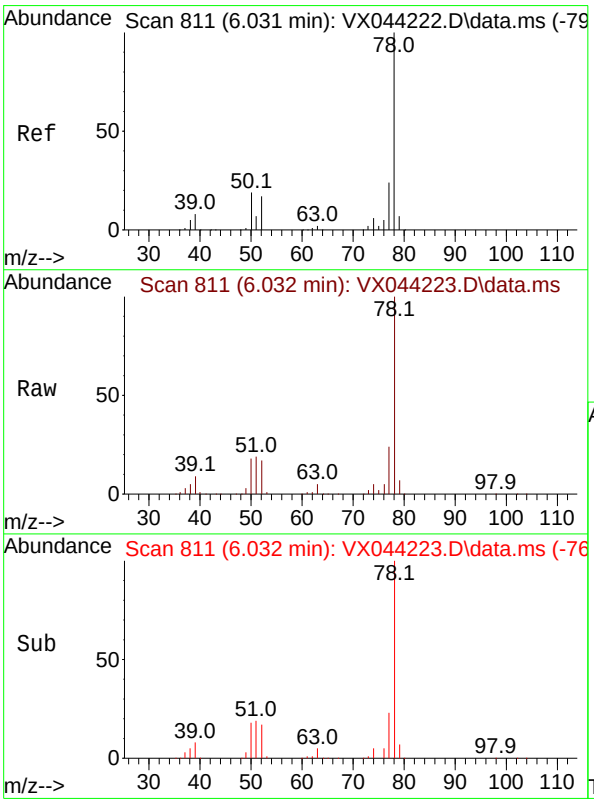

#39
Methylcyclohexane
Concen: 102.800 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 259368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.5 | 60.7 | 91.1 |
| 98 | 49.6 | 38.9 | 58.3 |

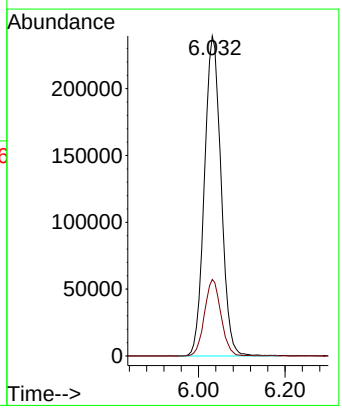


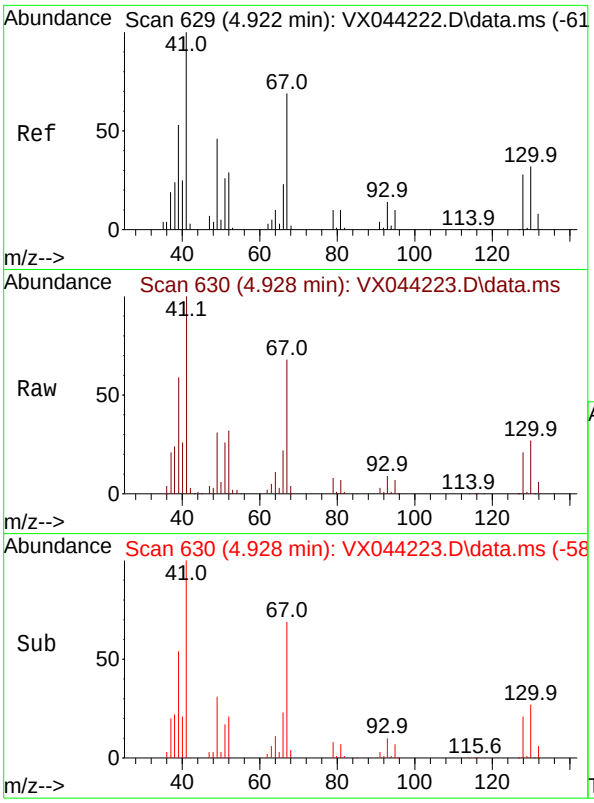




#40
Benzene
Concen: 99.575 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 78 Resp: 638055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.3 | 28.9 |



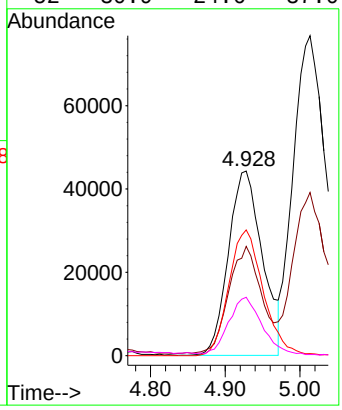


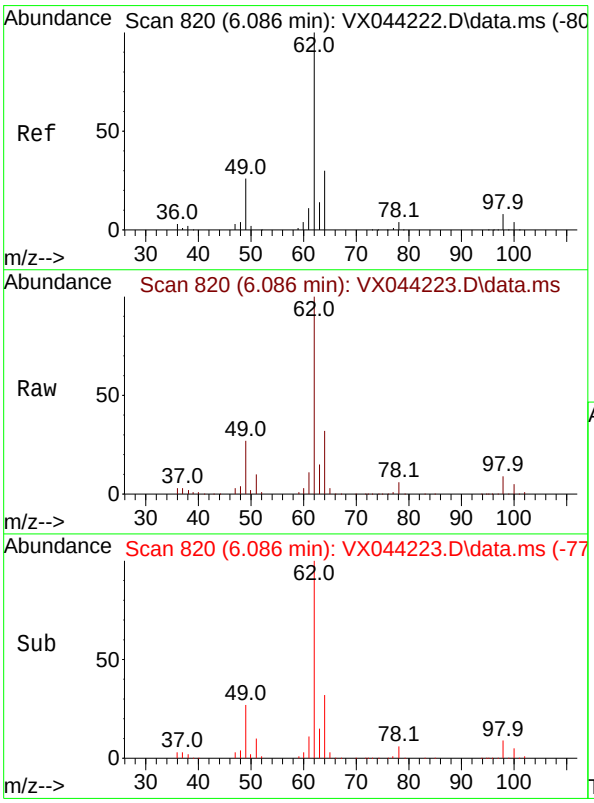

#41
Methacrylonitrile
Concen: 101.332 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 41 Resp: 140375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.0 | 44.2 | 66.4 |
| 67 | 69.1 | 57.2 | 85.8 |
| 52 | 30.9 | 24.6 | 37.0 |

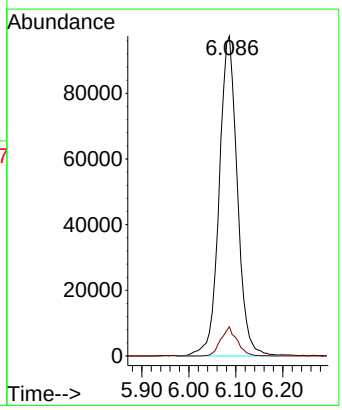


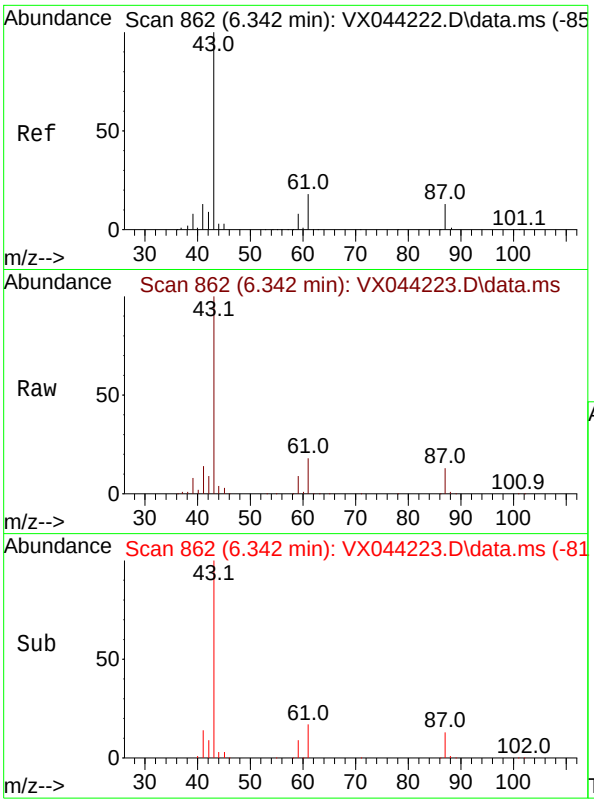




#42
1,2-Dichloroethane
Concen: 99.255 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 62 Resp: 261991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.1 | 0.0 | 15.8 |



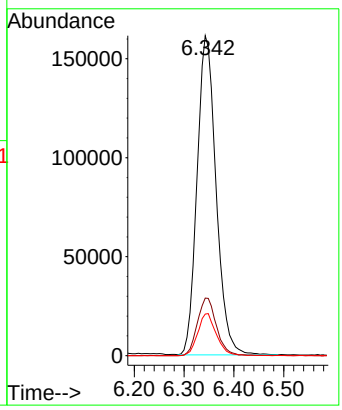


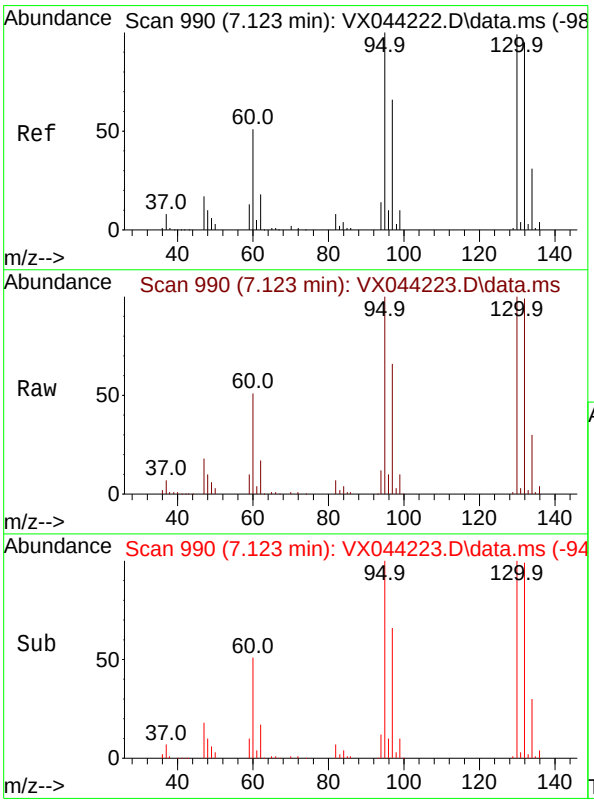

#43
Isopropyl Acetate
Concen: 104.939 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 427893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.2 | 14.2 | 21.2 |
| 87 | 12.8 | 10.2 | 15.2 |

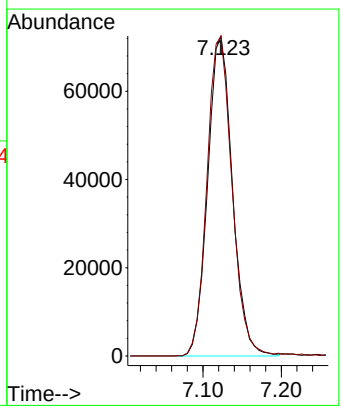


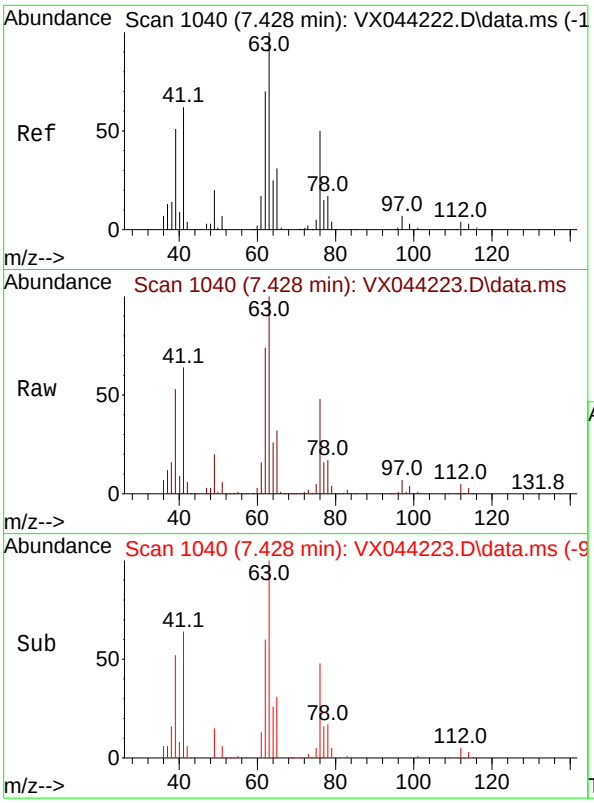




#44
Trichloroethene
Concen: 99.497 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:130 Resp: 158990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.2 | 0.0 | 201.4 |



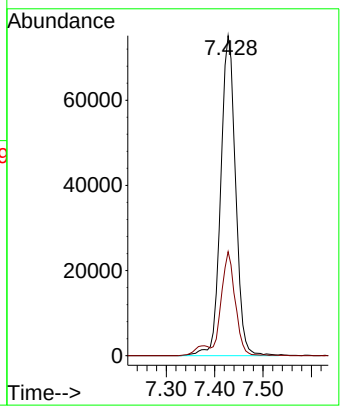


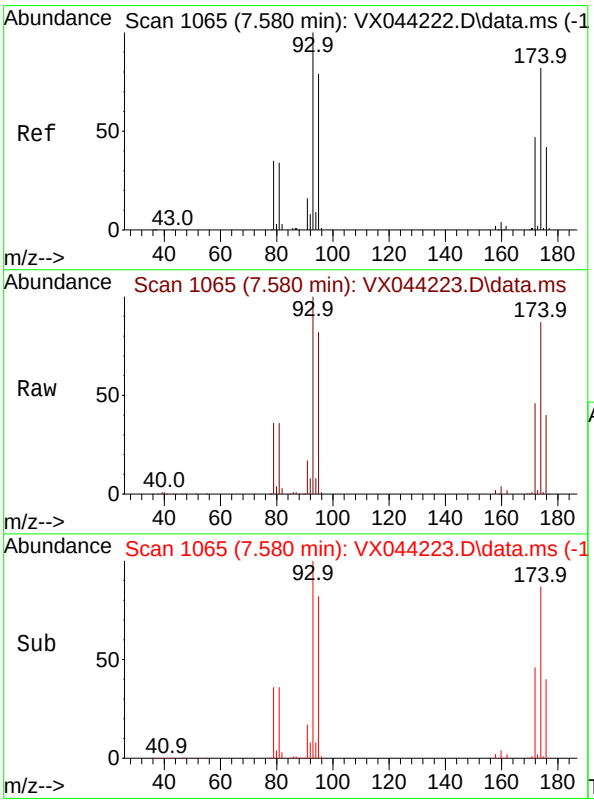

#45
1,2-Dichloropropane
Concen: 98.293 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 63 Resp: 160913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.5 | 24.6 | 37.0 |

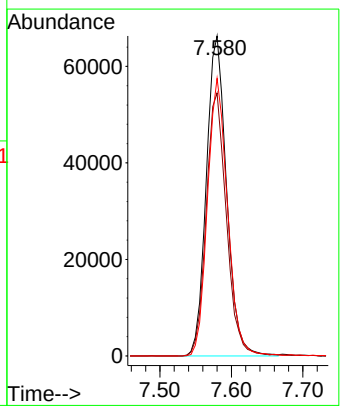


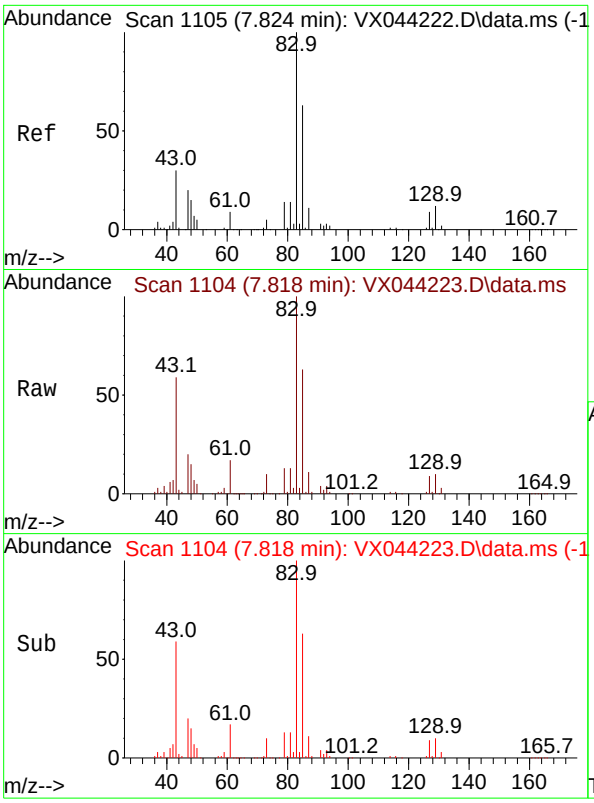




#46
Dibromomethane
Concen: 102.607 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 93 Resp: 130316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.2 | 65.4 | 98.2 |
| 174 | 86.1 | 67.9 | 101.9 |



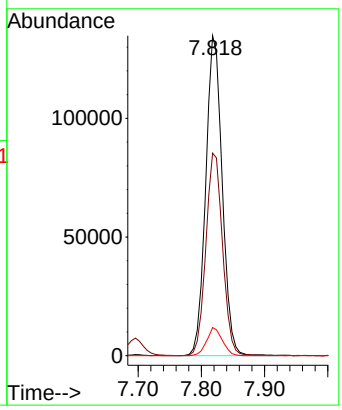


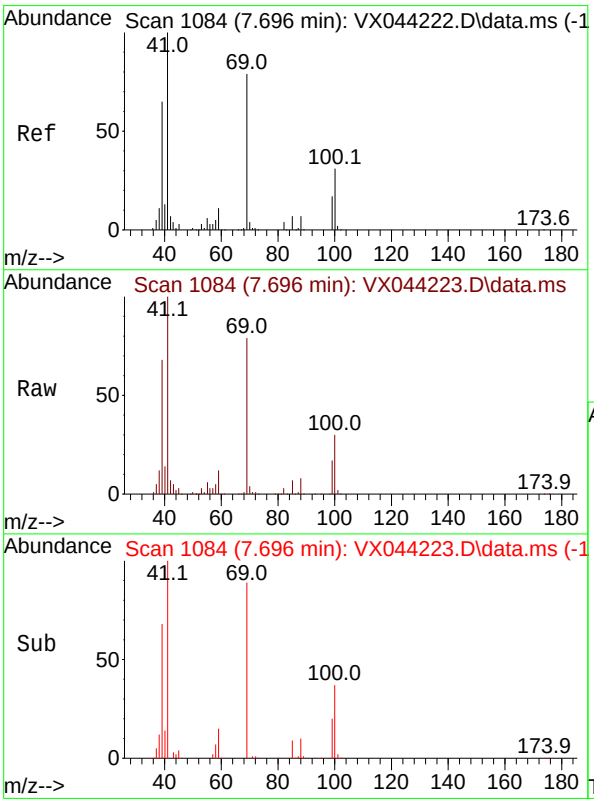

#47
Bromodichloromethane
Concen: 111.423 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 244401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 50.6 | 75.8 |
| 127 | 8.8 | 7.3 | 10.9 |

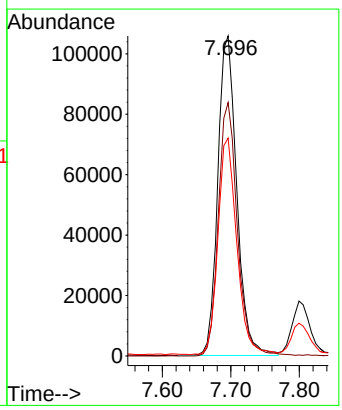


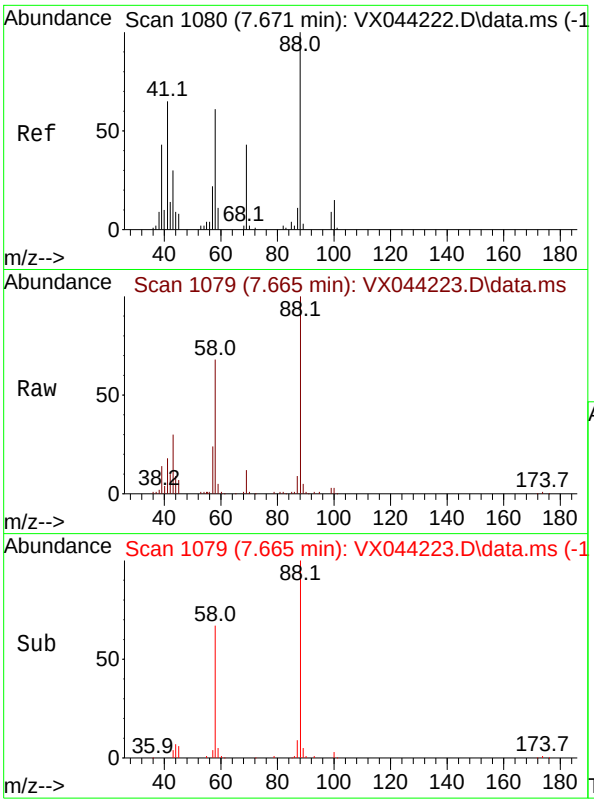




#48
Methyl methacrylate
Concen: 102.618 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 203116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.5 | 62.4 | 93.6 |
| 39 | 67.4 | 53.3 | 79.9 |



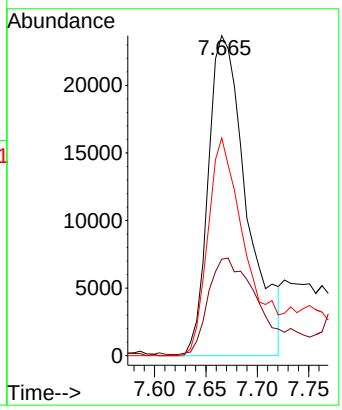


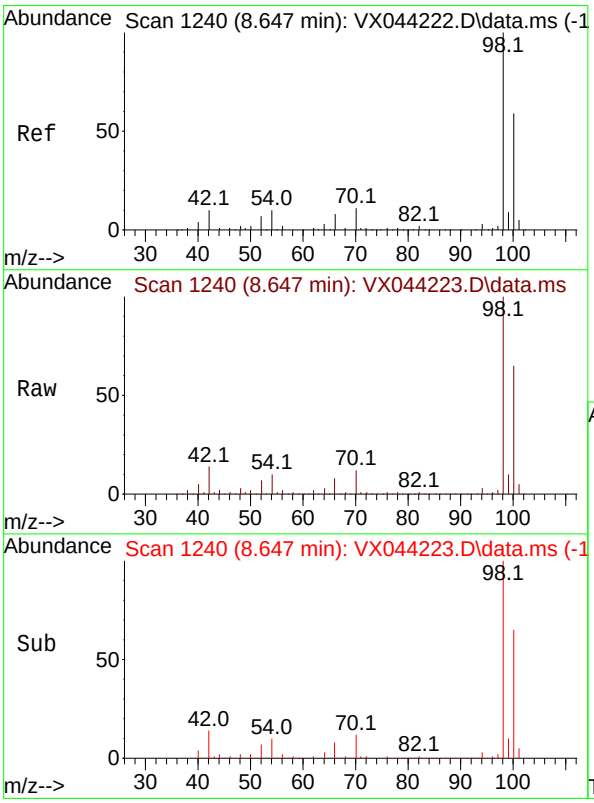

#49
1,4-Dioxane
Concen: 1830.521 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 88 Resp: 61921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.4 | 27.1 | 40.7# |
| 58 | 68.6 | 41.0 | 61.4# |

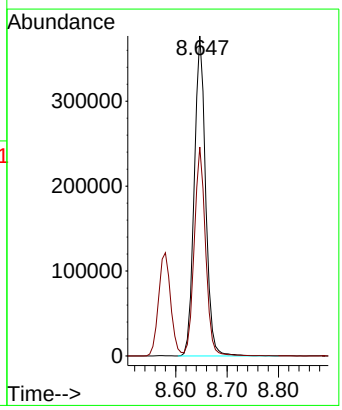


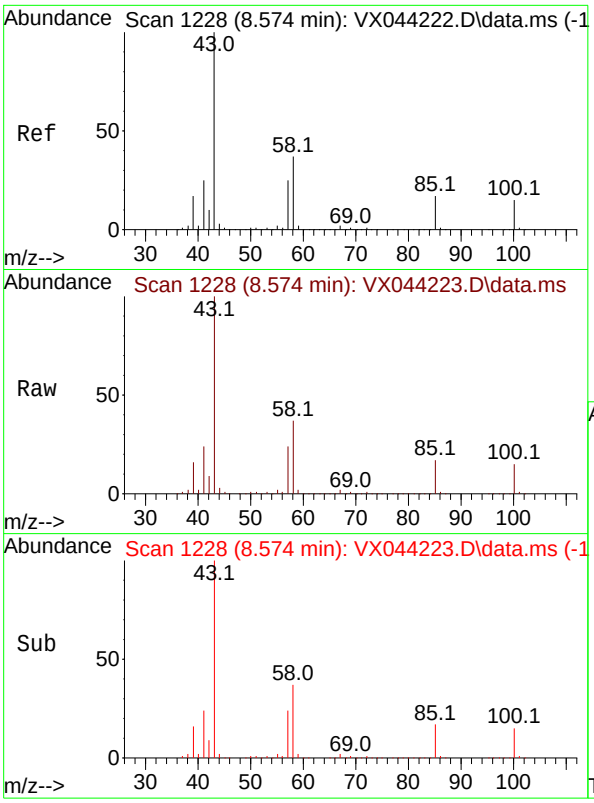




#50
Toluene-d8
Concen: 105.201 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 98 Resp: 579477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 51.5 | 77.3 |



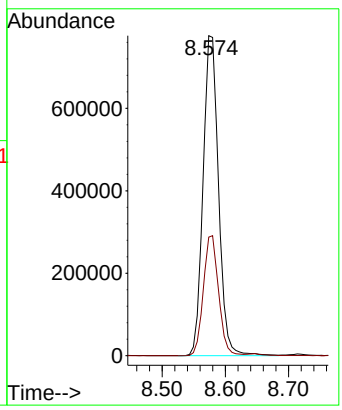


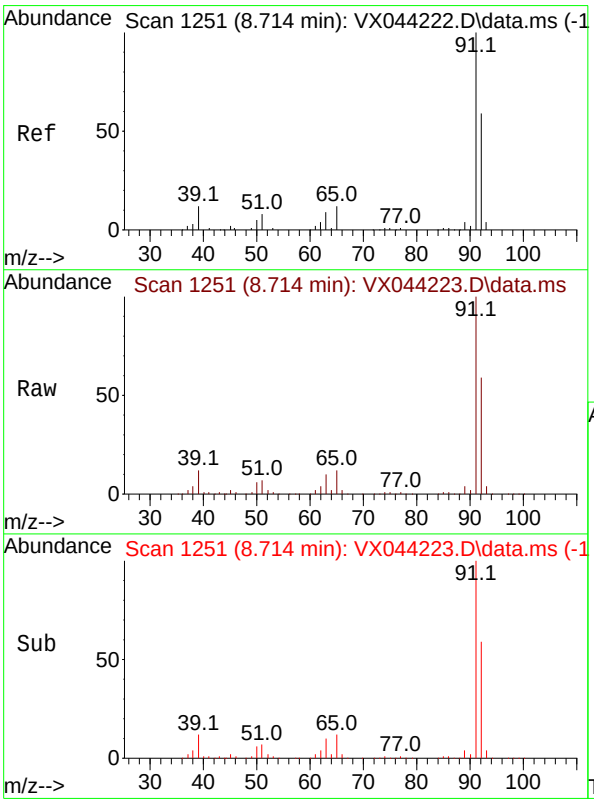

#51
4-Methyl-2-Pentanone
Concen: 504.496 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 1322678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.0 | 29.4 | 44.0 |

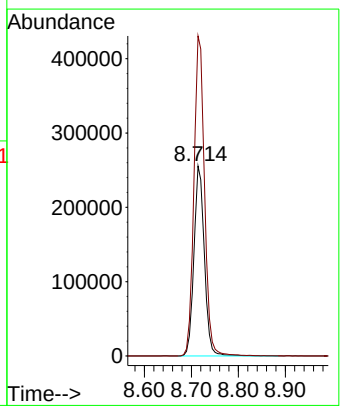


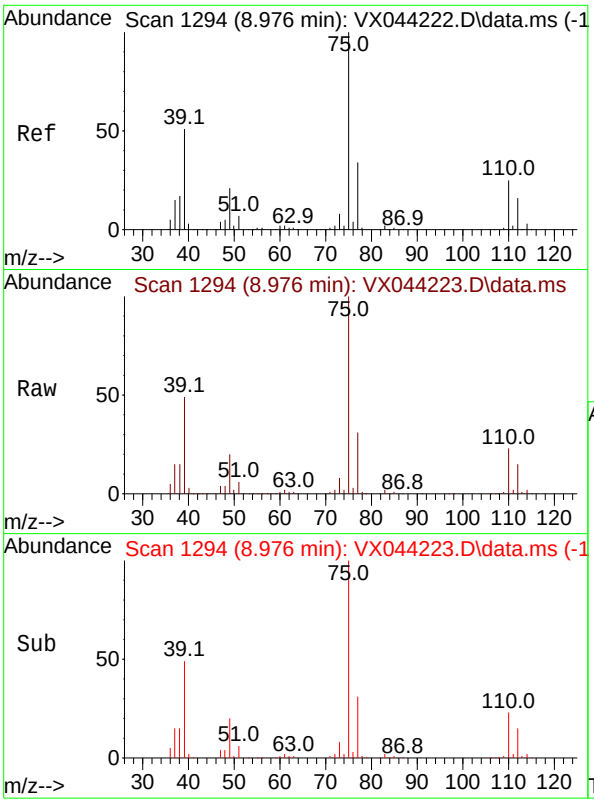




#52
Toluene
Concen: 98.506 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 92 Resp: 396383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 137.0 | 205.6 |



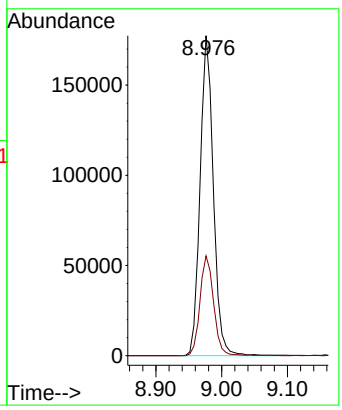


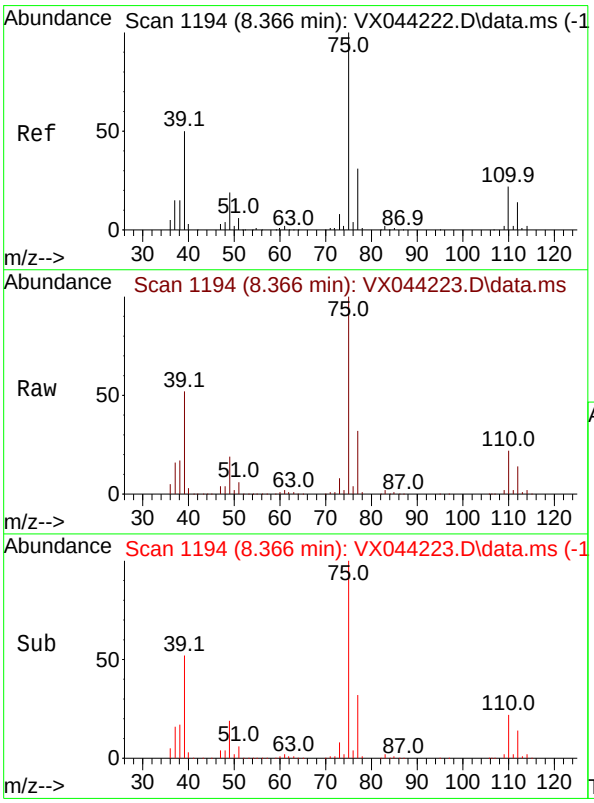

#53
t-1,3-Dichloropropene
Concen: 99.321 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 248092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 27.2 | 40.8 |

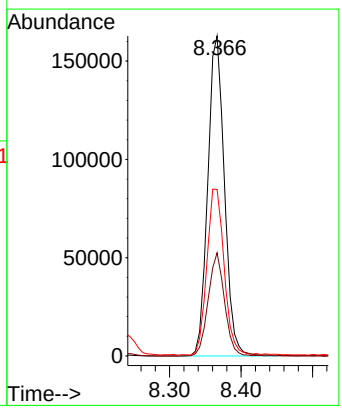


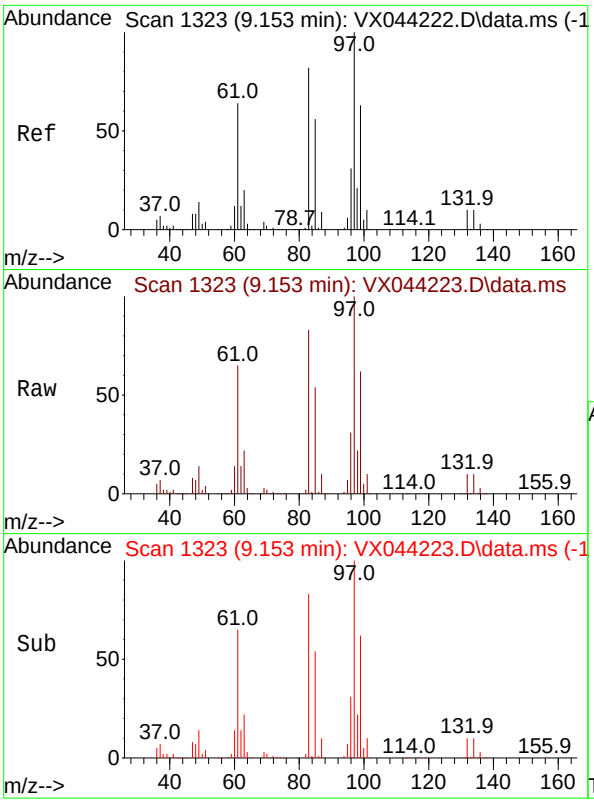




#54
cis-1,3-Dichloropropene
Concen: 110.127 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 263014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 24.7 | 37.1 |
| 39 | 51.8 | 40.3 | 60.5 |



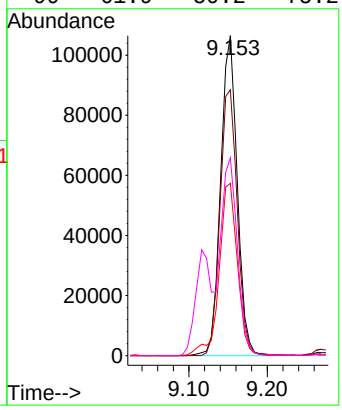


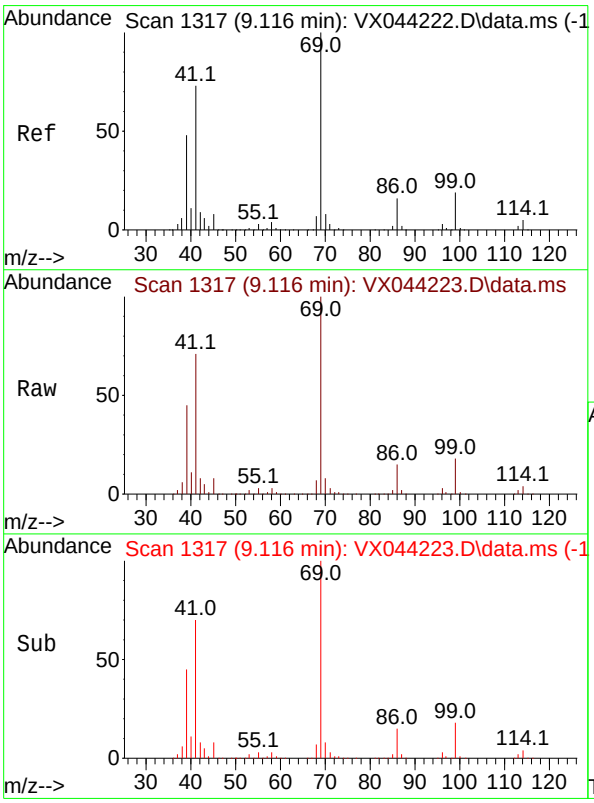

#55
1,1,2-Trichloroethane
Concen: 98.441 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 97 Resp: 157366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.1 | 65.3 | 97.9 |
| 85 | 53.8 | 44.6 | 67.0 |
| 99 | 61.9 | 50.2 | 75.2 |

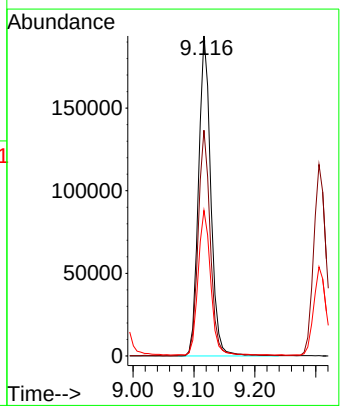


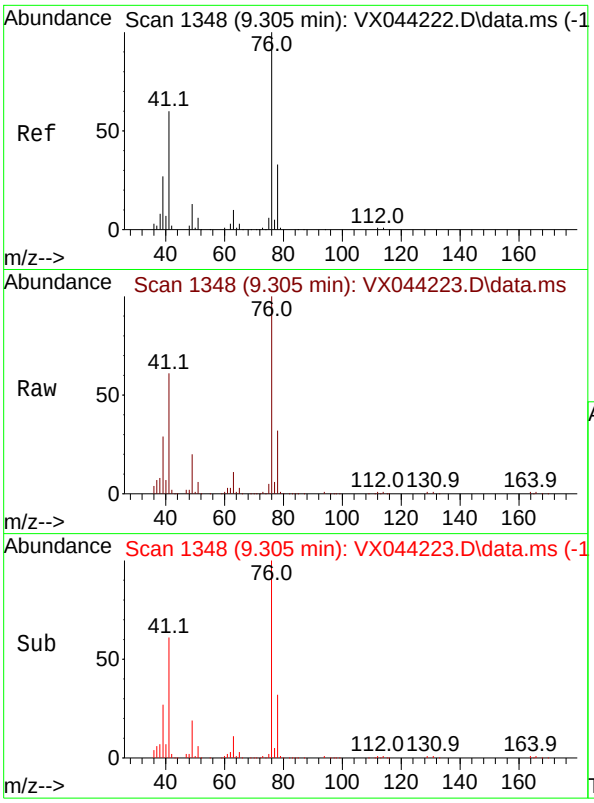




#56
Ethyl methacrylate
Concen: 107.442 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 69 Resp: 271146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.4 | 56.6 | 85.0 |
| 39 | 46.1 | 37.4 | 56.0 |



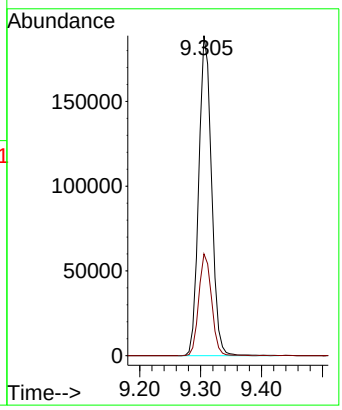


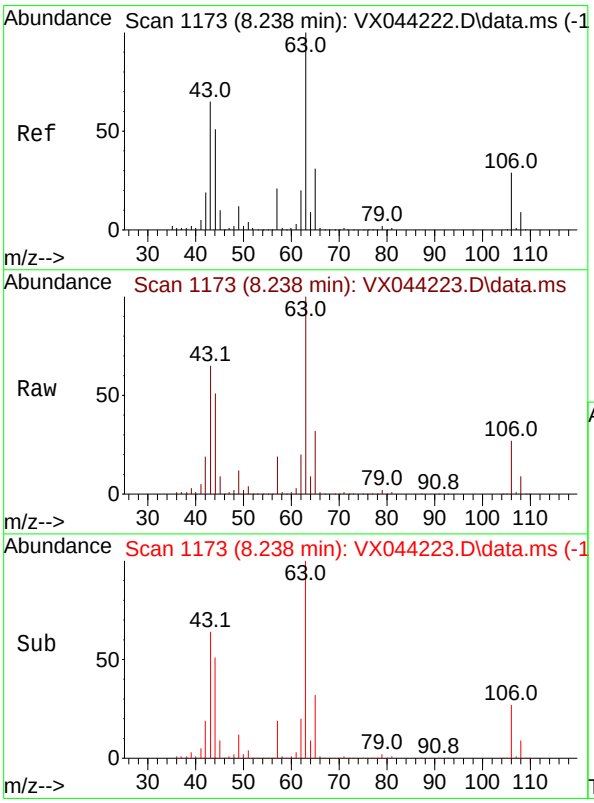

#57
1,3-Dichloropropane
Concen: 98.704 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 274642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 26.5 | 39.7 |

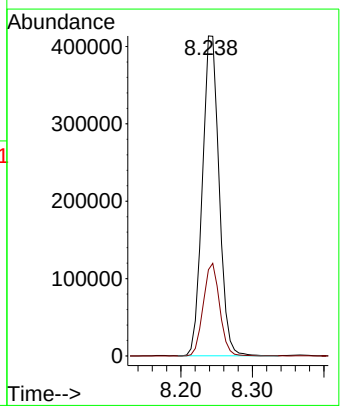


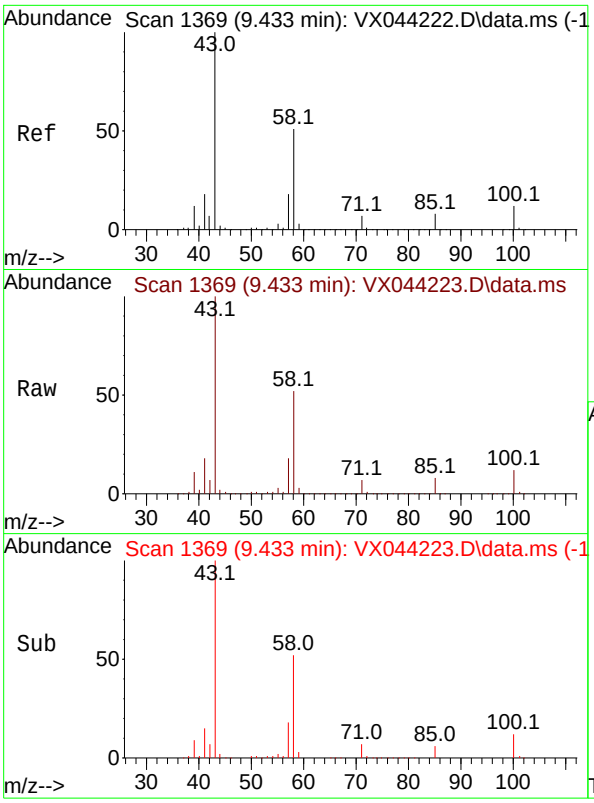




#58
2-Chloroethyl Vinyl ether
Concen: 527.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 671233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.8 | 34.2 |



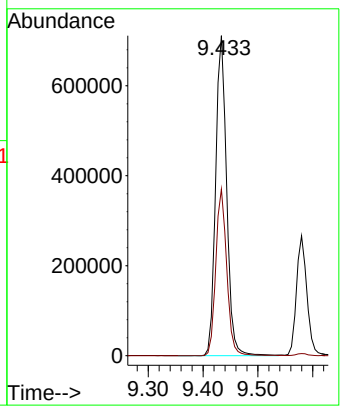


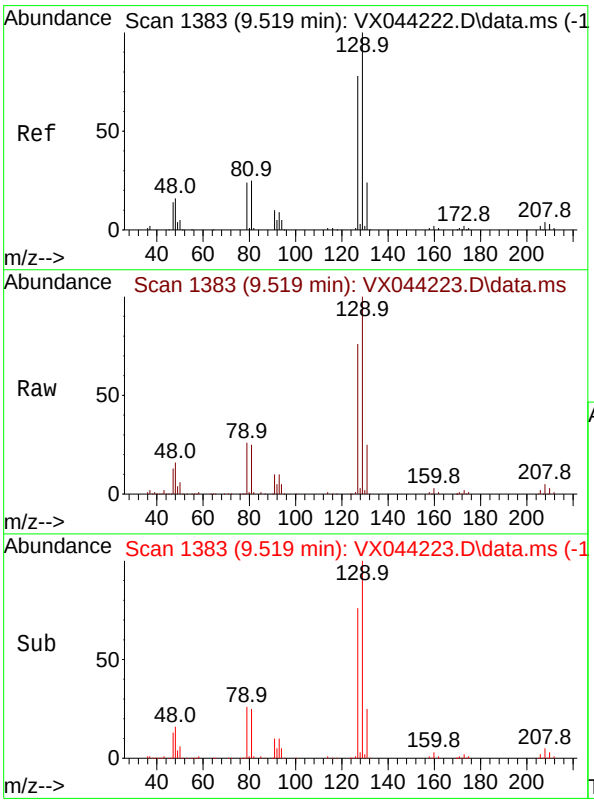

#59
2-Hexanone
Concen: 521.401 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 989466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.9 | 25.7 | 77.0 |

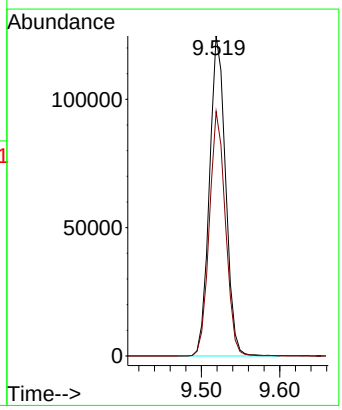


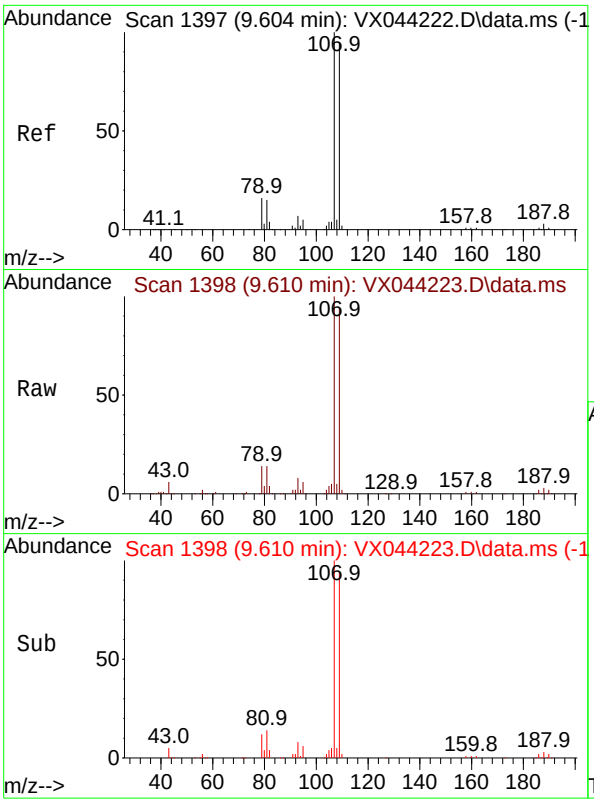




#60
Dibromochloromethane
Concen: 99.480 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:129 Resp: 178135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.0 | 38.5 | 115.3 |



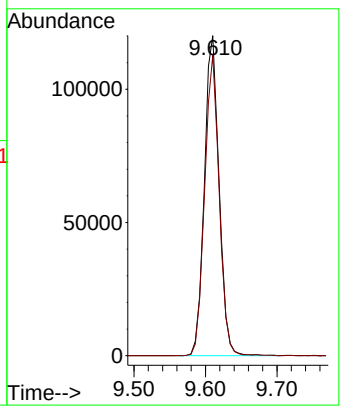


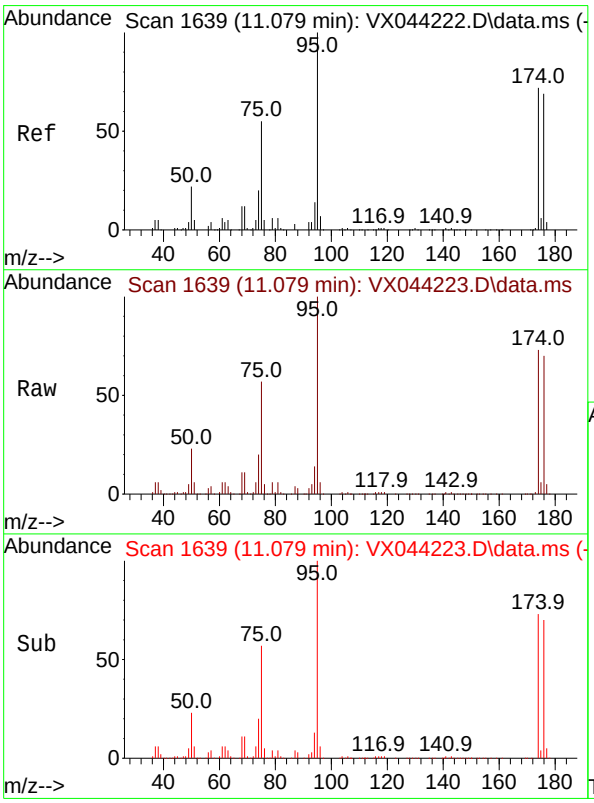

#61
1,2-Dibromoethane
Concen: 105.371 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:107 Resp: 171458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.1 | 77.0 | 115.4 |

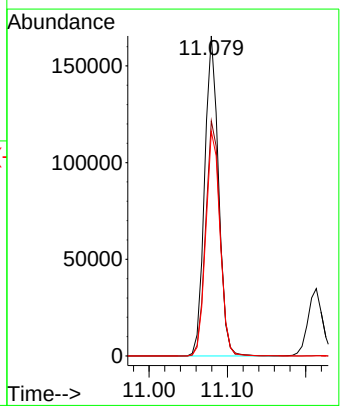


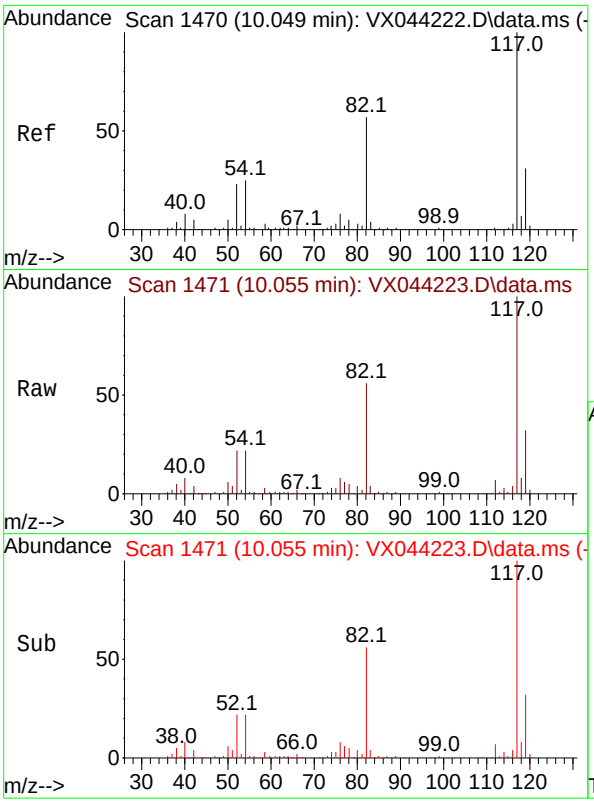




#62
4-Bromofluorobenzene
Concen: 105.830 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 95 Resp: 203694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.0 | 0.0 | 145.8 |
| 176 | 72.0 | 0.0 | 137.8 |



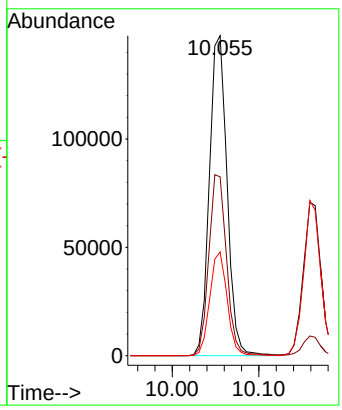


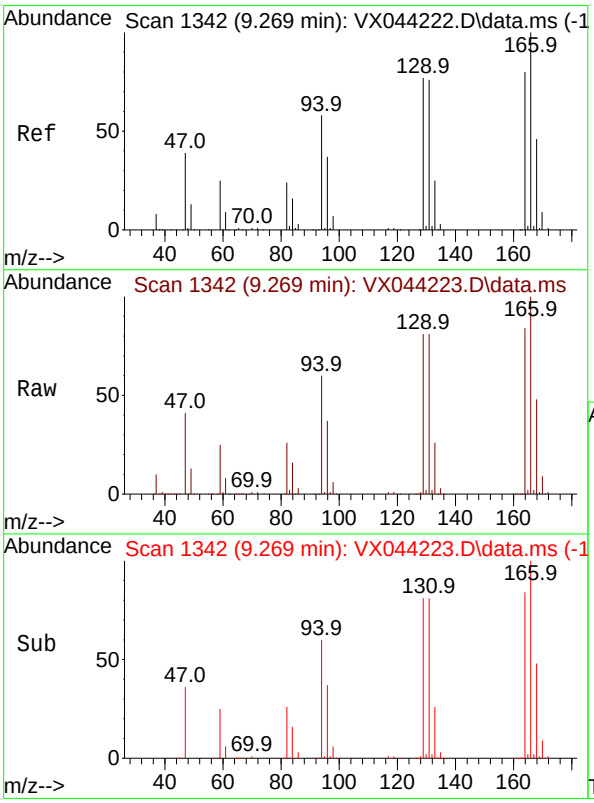

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:117 Resp: 209164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 45.8 | 68.8 |
| 119 | 32.4 | 25.0 | 37.4 |

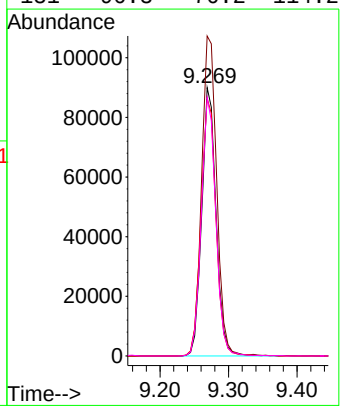


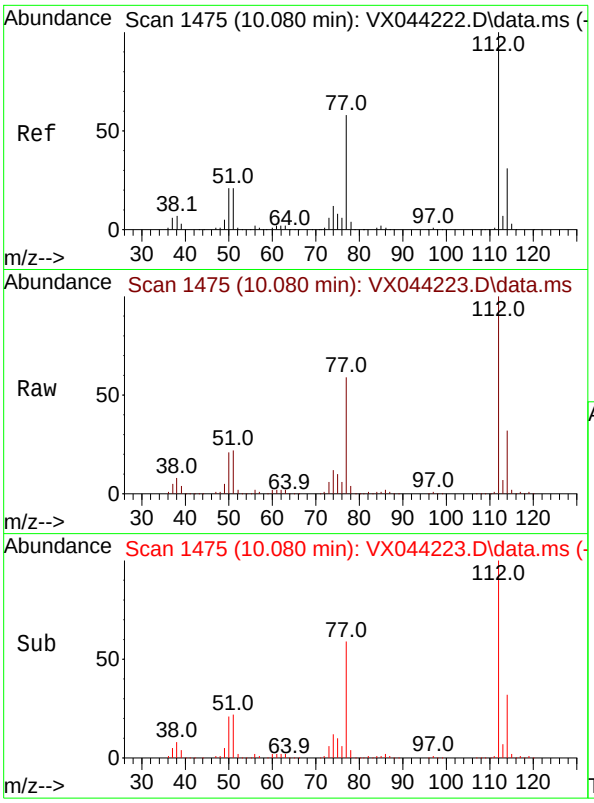




#64
Tetrachloroethene
Concen: 94.131 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:164 Resp: 130678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 119.2 | 100.4 | 150.6 |
| 129 | 96.1 | 77.2 | 115.8 |
| 131 | 96.3 | 76.2 | 114.2 |



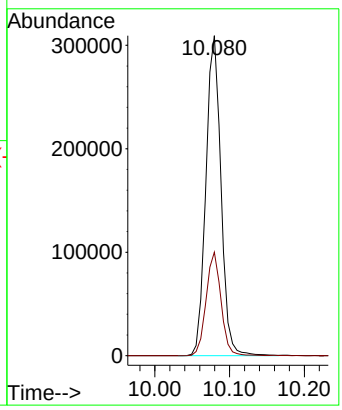


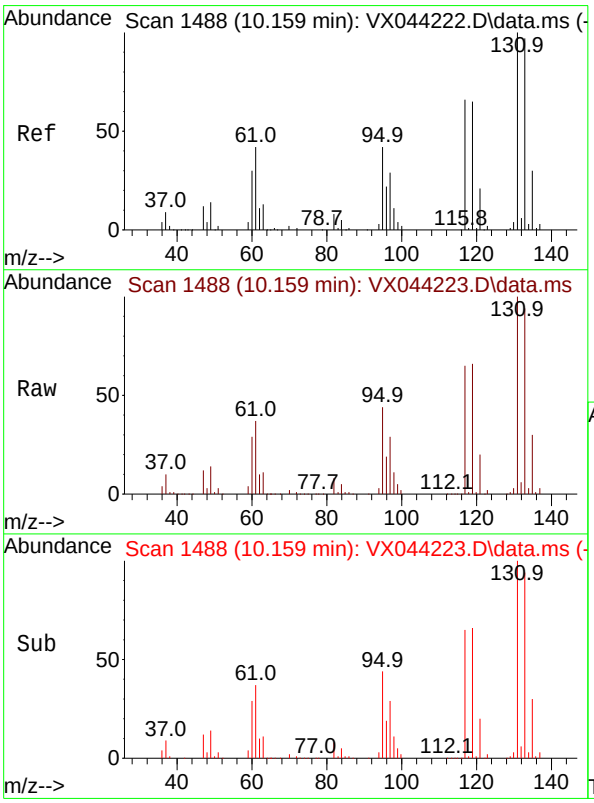

#65
Chlorobenzene
Concen: 96.650 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:112 Resp: 433179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 25.0 | 37.6 |

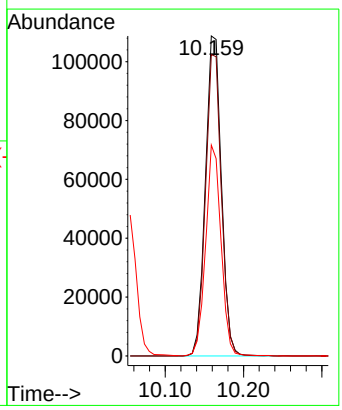


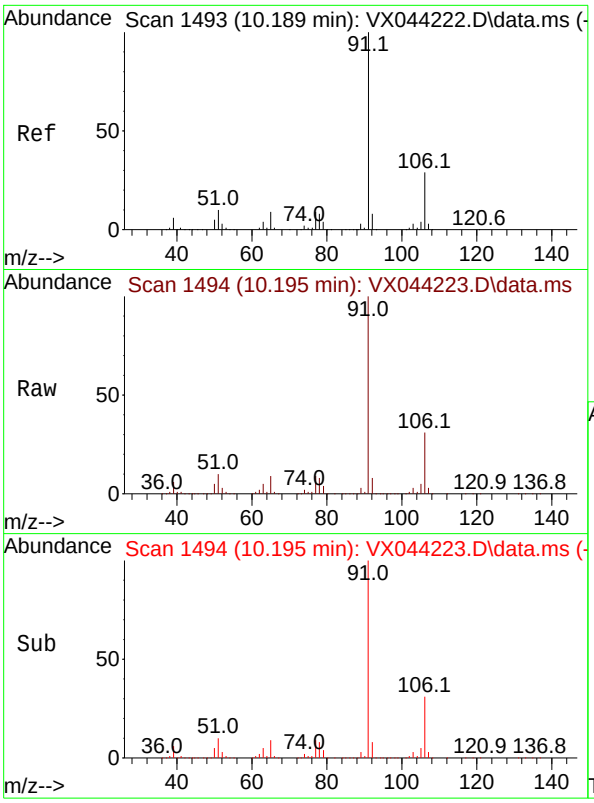




#66
1,1,1,2-Tetrachloroethane
Concen: 106.831 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:131 Resp: 153882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.6 | 47.3 | 141.8 |
| 119 | 63.5 | 31.6 | 95.0 |



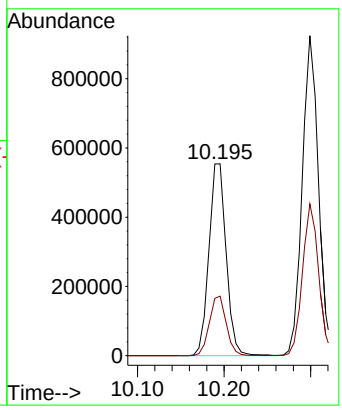


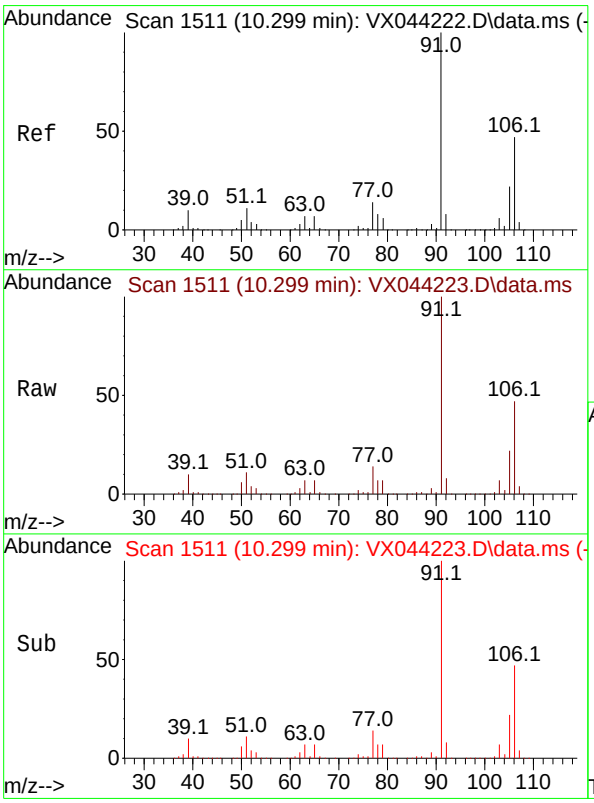

#67
Ethyl Benzene
Concen: 98.906 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 765930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.0 | 23.5 | 35.3 |

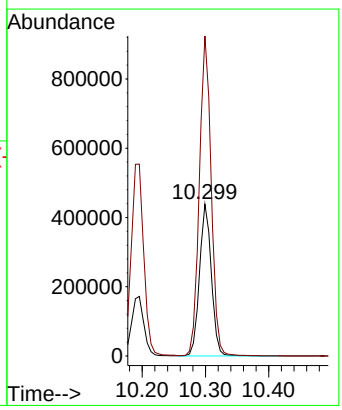


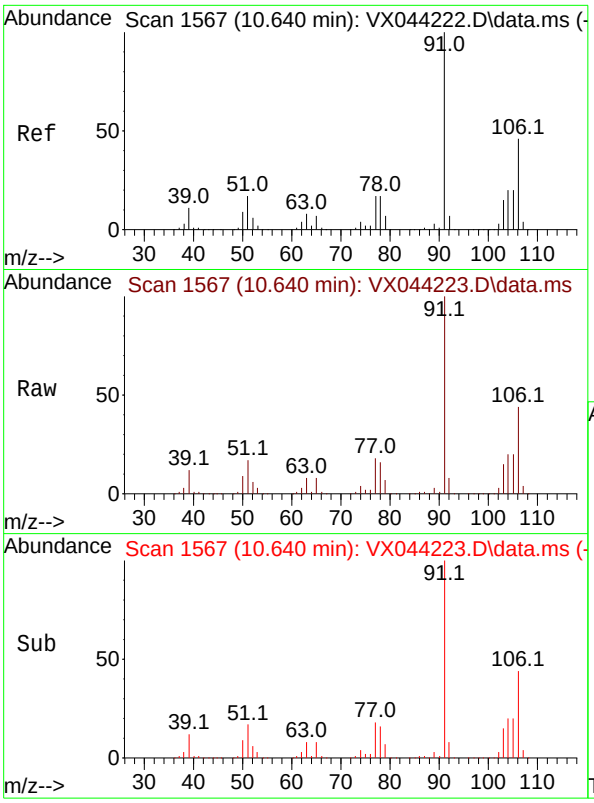




#68
m/p-Xylenes
Concen: 201.171 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:106 Resp: 571648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.0 | 170.2 | 255.2 |



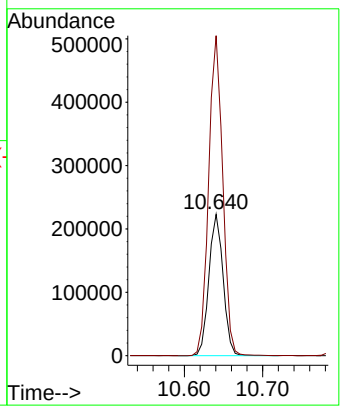


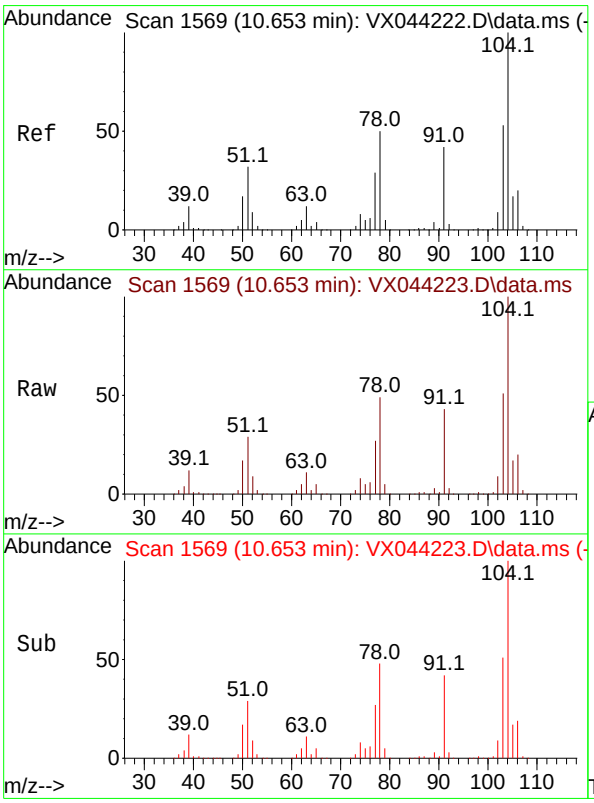

#69
o-Xylene
Concen: 97.597 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:106 Resp: 280603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.9 | 112.3 | 337.0 |

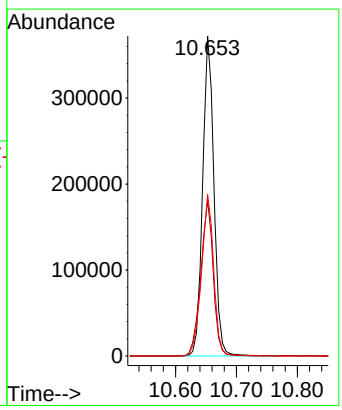


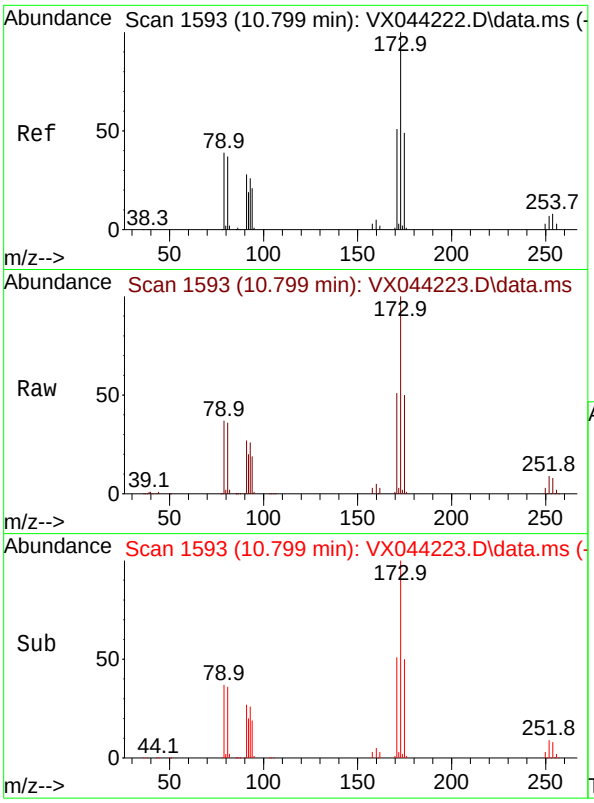




#70
Styrene
Concen: 104.159 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:104 Resp: 480077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 44.6 | 67.0 |
| 103 | 54.5 | 45.4 | 68.0 |



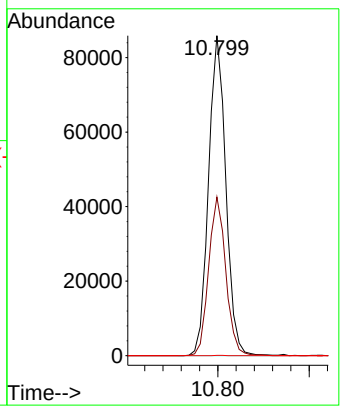


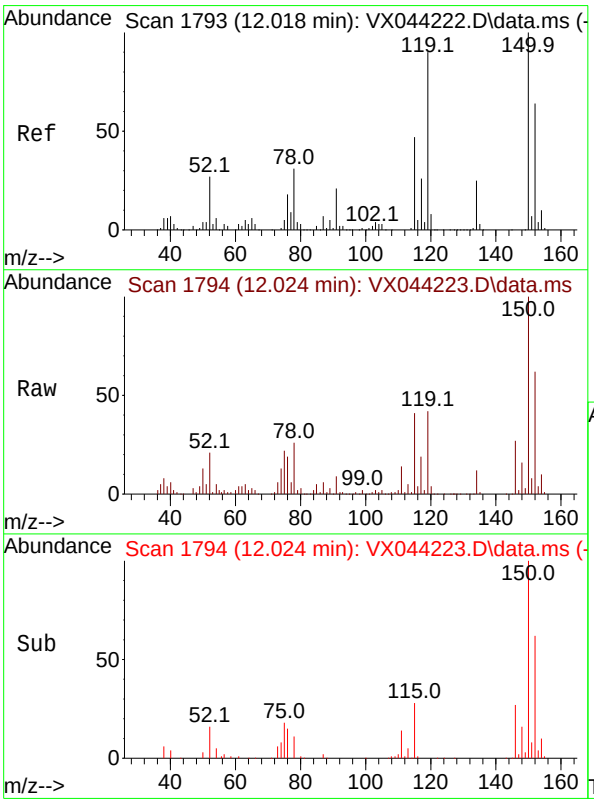

#71
Bromoform
Concen: 99.723 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:173 Resp: 112482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.2 | 23.8 | 71.4 |
| 254 | 0.1 | 0.0 | 0.0# |

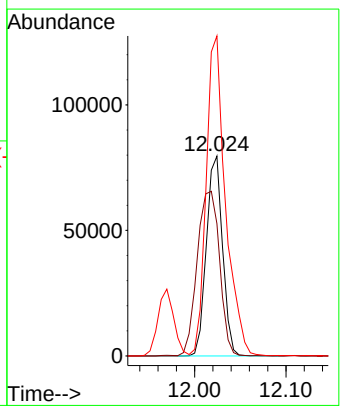


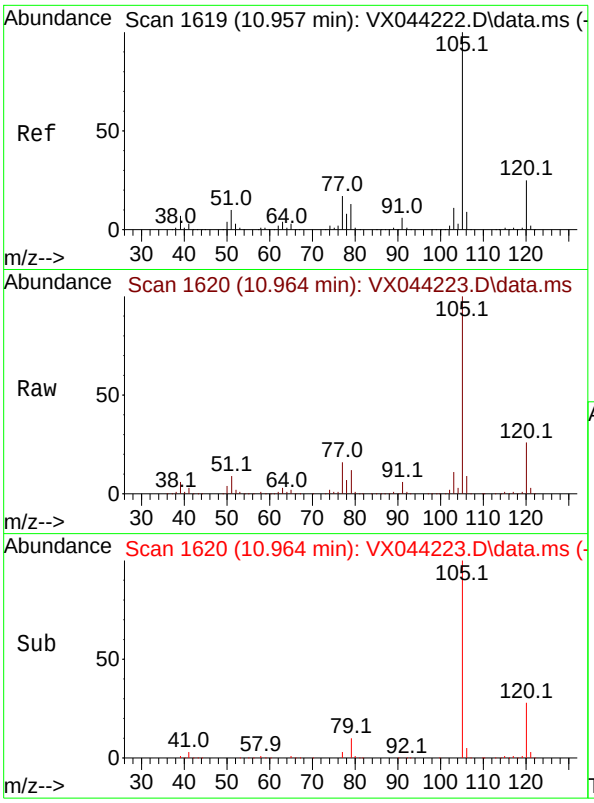




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:152 Resp: 97670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 114.3 | 44.5 | 133.3 |
| 150 | 190.6 | 0.0 | 353.8 |



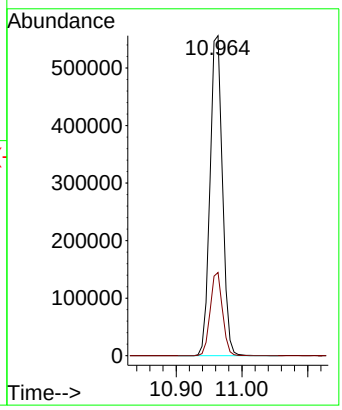


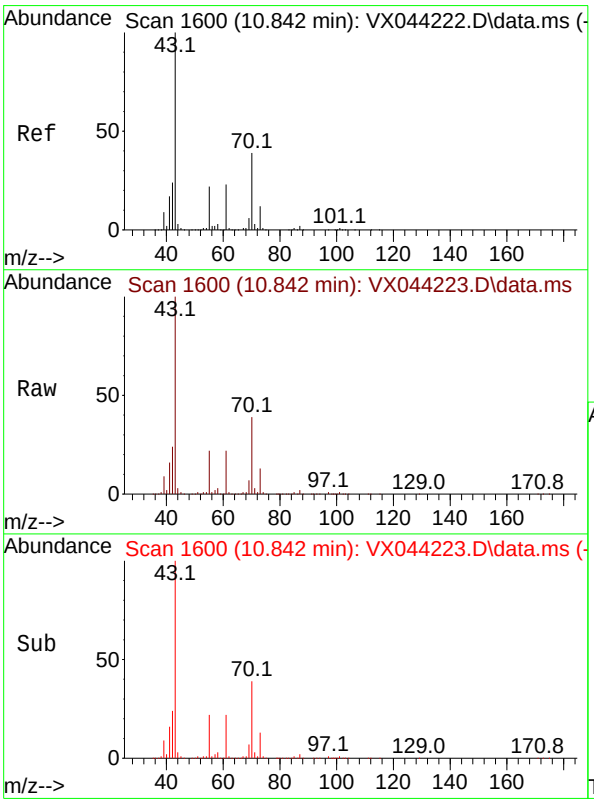

#73
Isopropylbenzene
Concen: 97.894 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 731955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 13.1 | 39.3 |

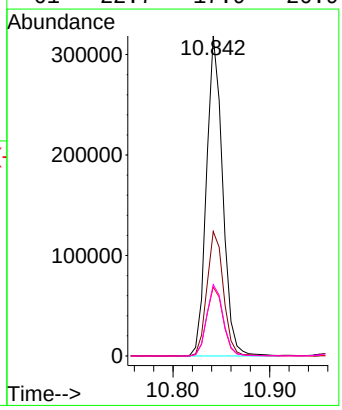


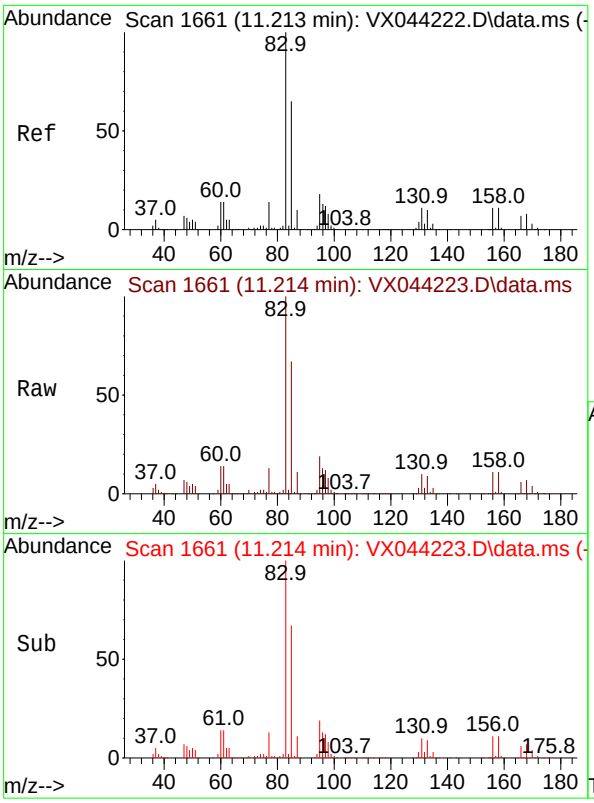




#74
N-amyl acetate
Concen: 107.485 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 371420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.7 | 31.9 | 47.9 |
| 55 | 22.2 | 17.9 | 26.9 |
| 61 | 22.7 | 17.9 | 26.9 |



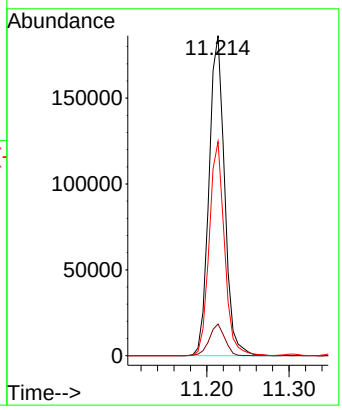


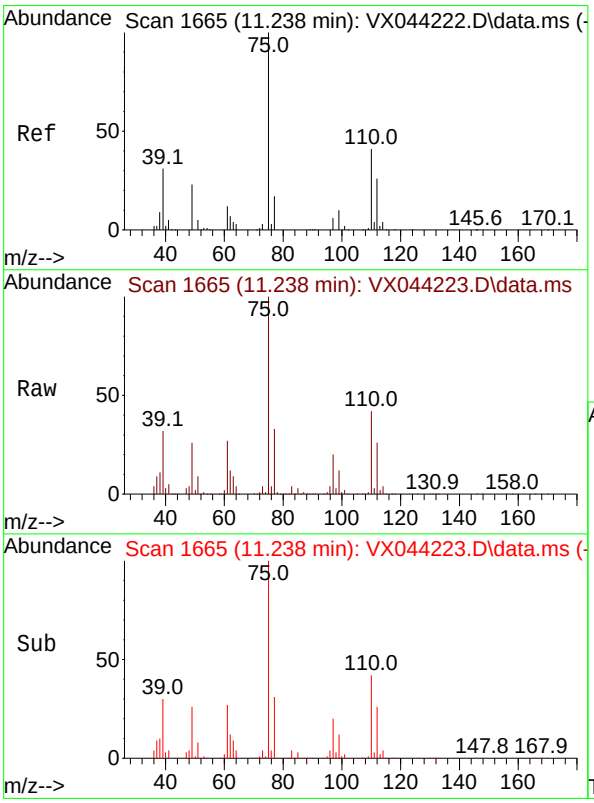

#75
1,1,2,2-Tetrachloroethane
Concen: 94.491 ug/l
RT: 11.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 245395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.1 | 15.4 |
| 85 | 65.4 | 32.5 | 97.4 |

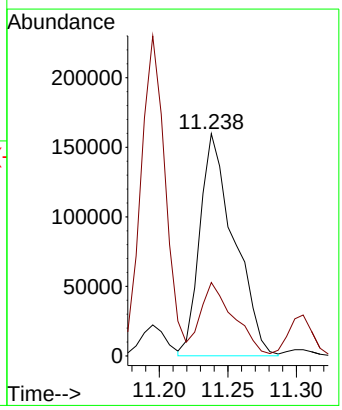


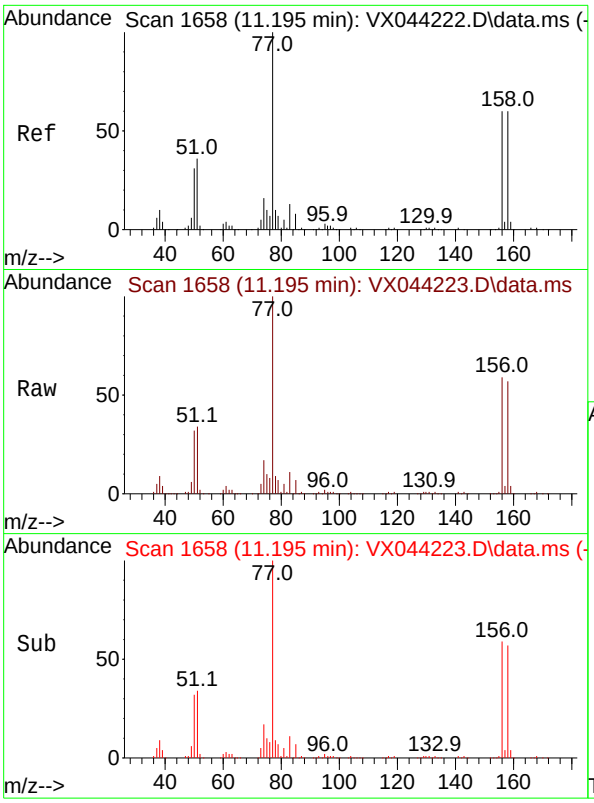




#76
1,2,3-Trichloropropane
Concen: 125.569 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 278299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 20.9 | 62.7 |



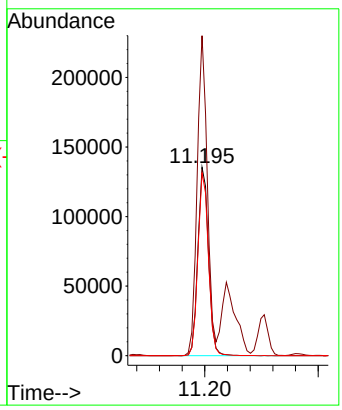


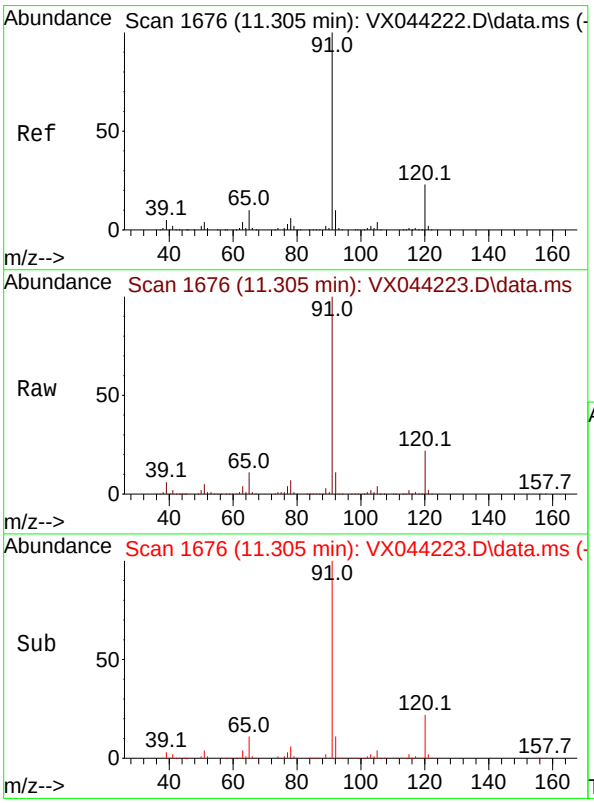

#77
Bromobenzene
Concen: 96.874 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:156 Resp: 175647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 162.7 | 82.6 | 247.8 |
| 158 | 96.2 | 48.8 | 146.4 |

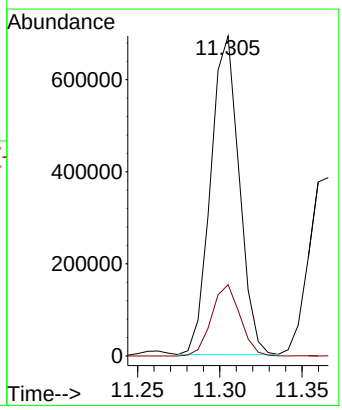


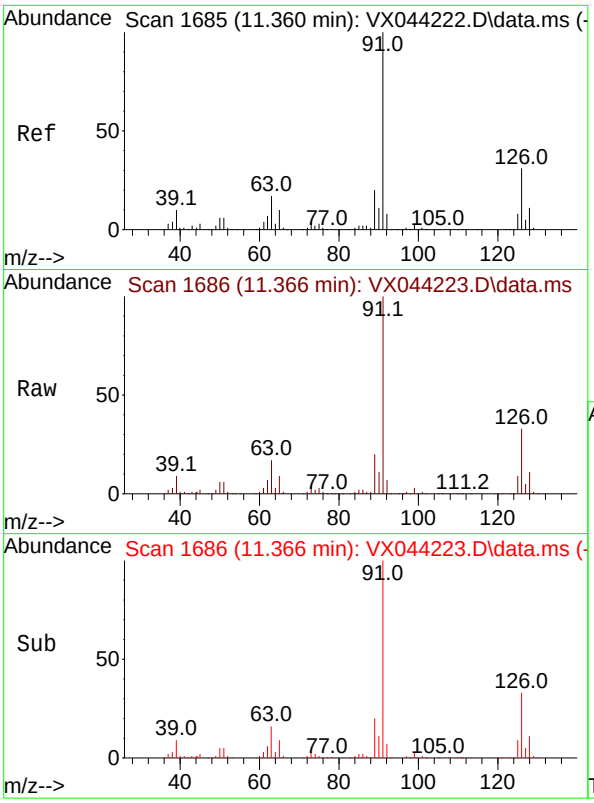




#78
n-propylbenzene
Concen: 101.242 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 836676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.0 | 33.0 |



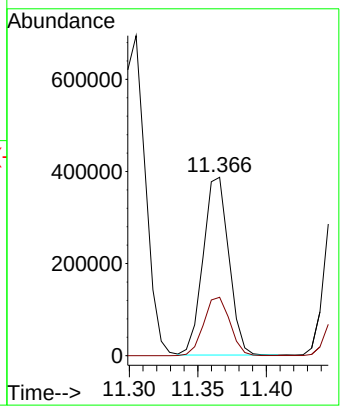


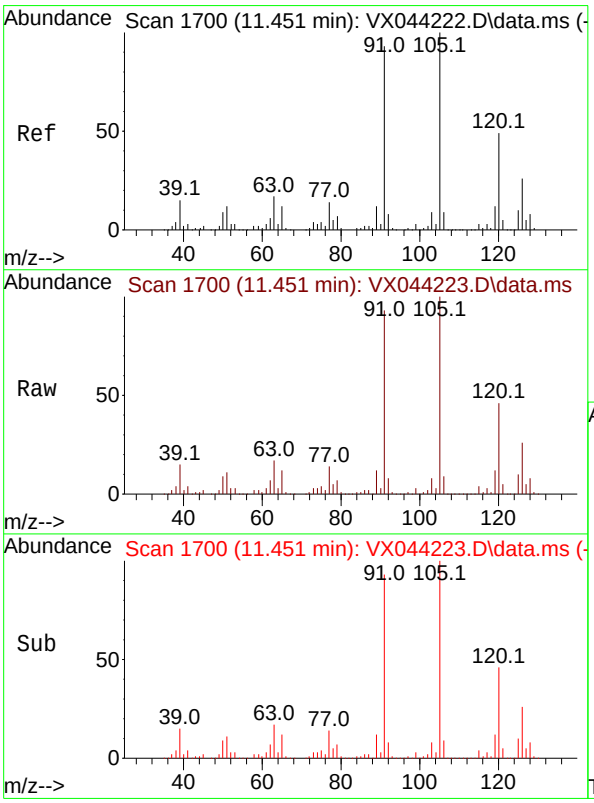

#79
2-Chlorotoluene
Concen: 94.377 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 504407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.4 | 49.1 |

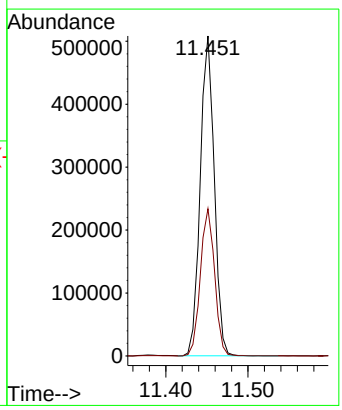


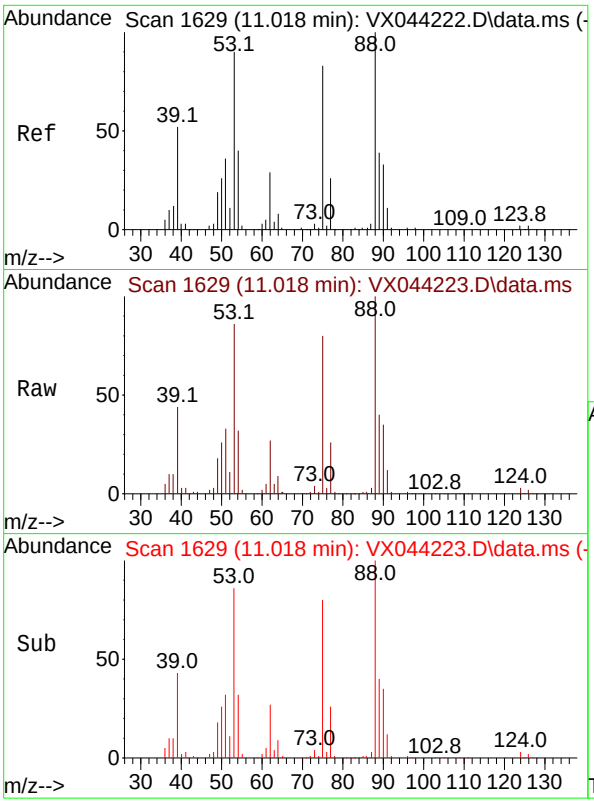




#80
1,3,5-Trimethylbenzene
Concen: 97.570 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 604993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 23.8 | 71.4 |



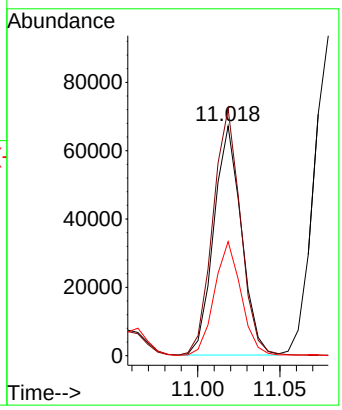


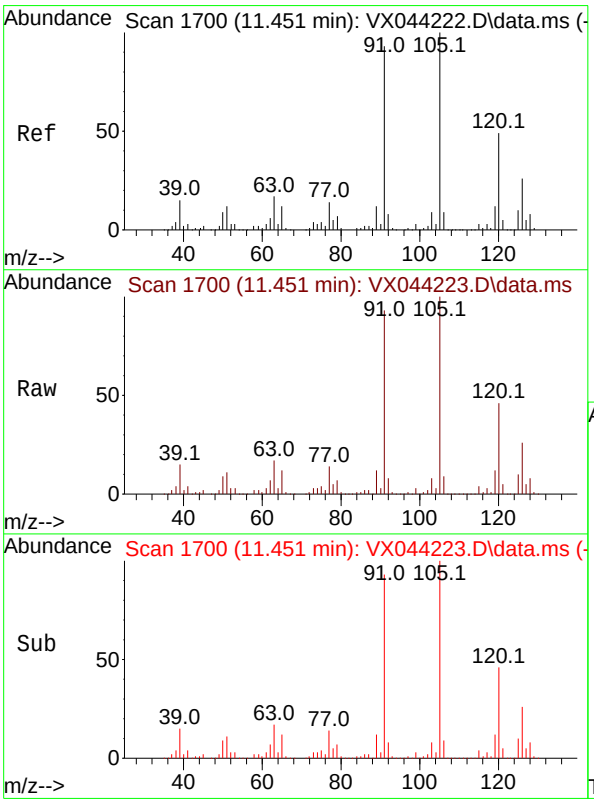

#81
trans-1,4-Dichloro-2-butene
Concen: 97.165 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 78453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 107.9 | 93.6 | 140.4 |
| 89 | 47.8 | 37.3 | 55.9 |

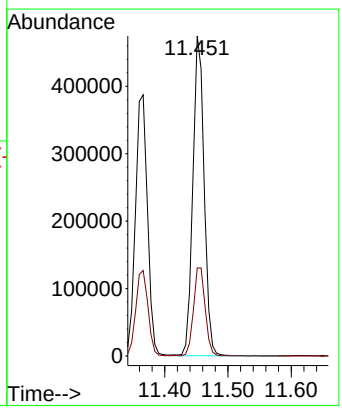


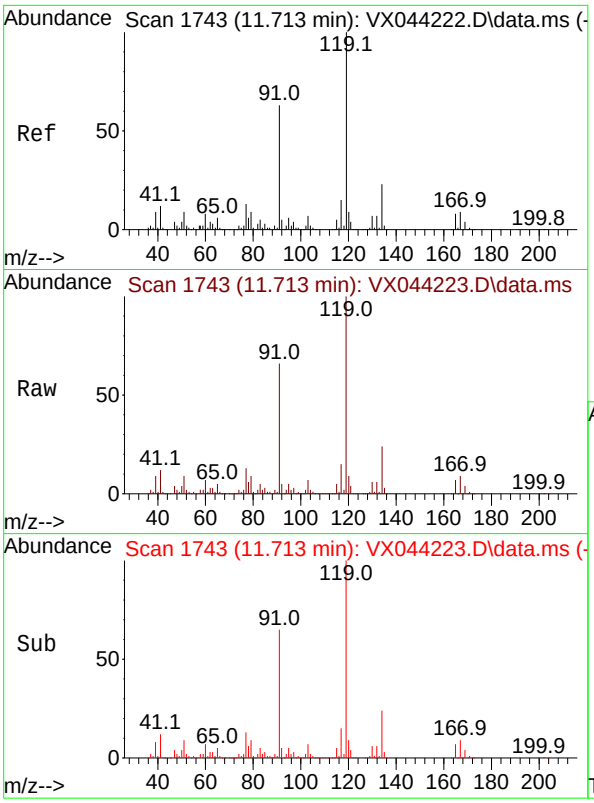




#82
4-Chlorotoluene
Concen: 99.384 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 588197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.5 | 43.5 |



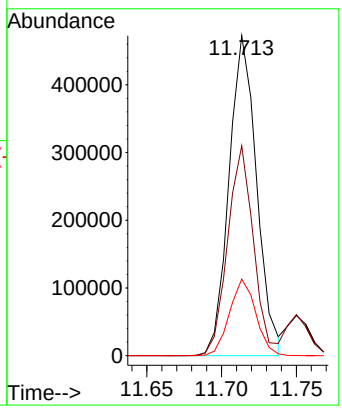


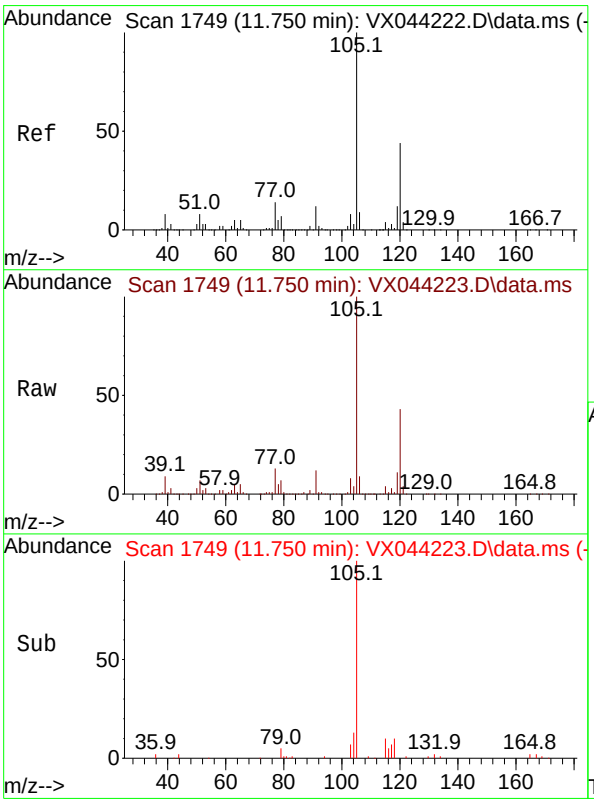

#83
tert-Butylbenzene
Concen: 99.013 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:119 Resp: 606738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.5 | 30.9 | 92.5 |
| 134 | 22.8 | 11.5 | 34.4 |

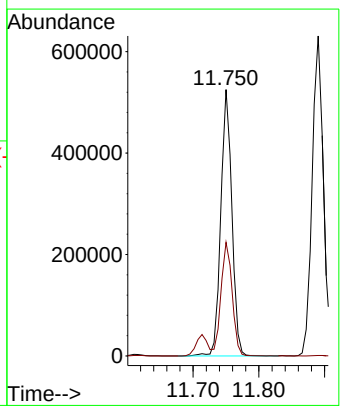


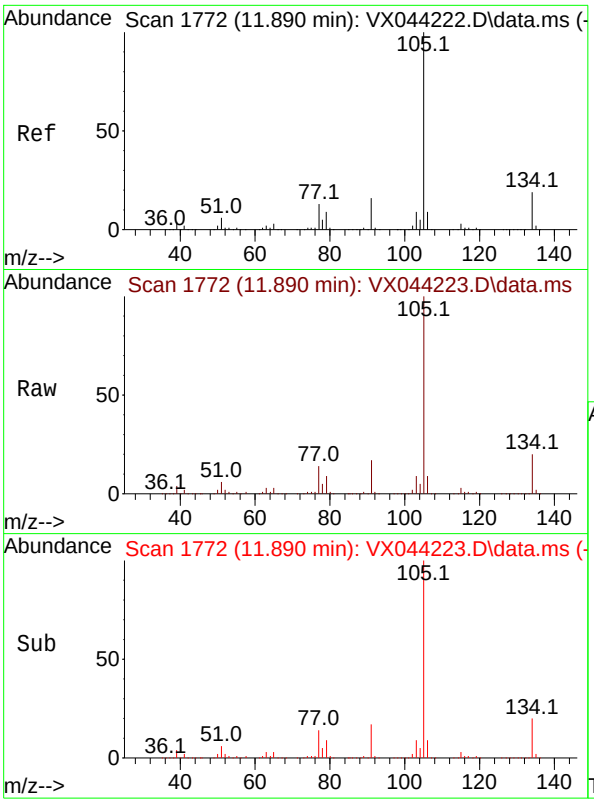




#84
1,2,4-Trimethylbenzene
Concen: 100.994 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 614999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.3 | 21.7 | 65.1 |



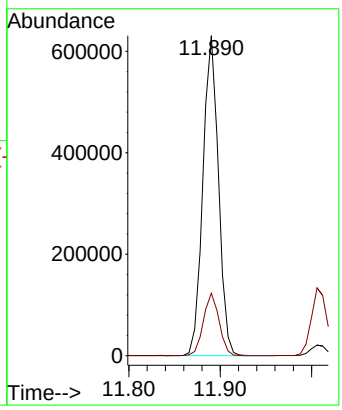


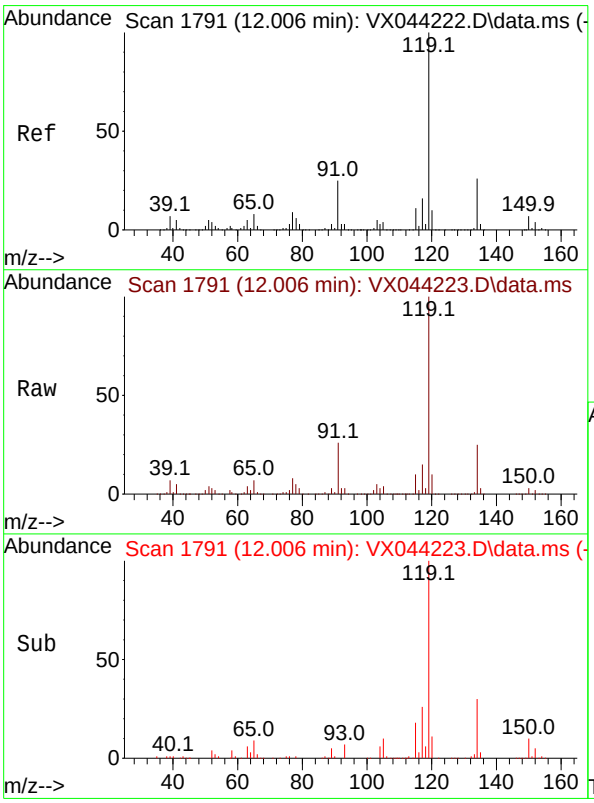

#85
sec-Butylbenzene
Concen: 99.889 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 743098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |

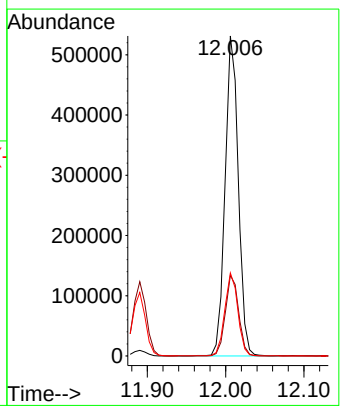


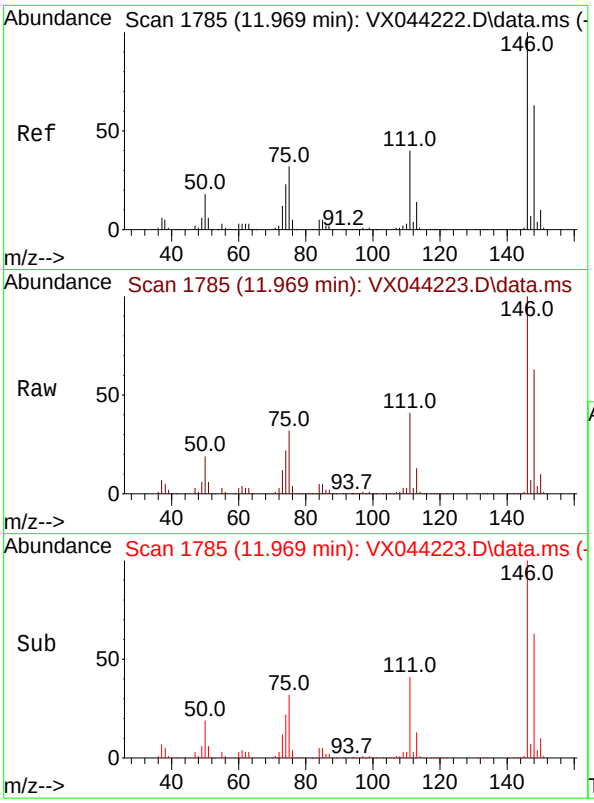




#86
p-Isopropyltoluene
Concen: 100.847 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:119 Resp: 624416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 12.8 | 38.4 |
| 91 | 25.6 | 13.0 | 39.0 |



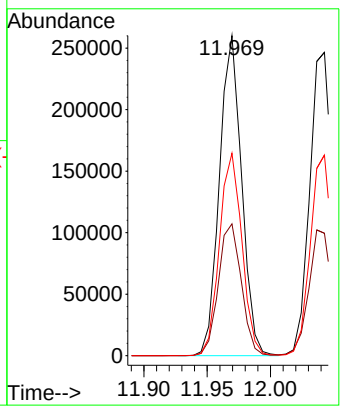


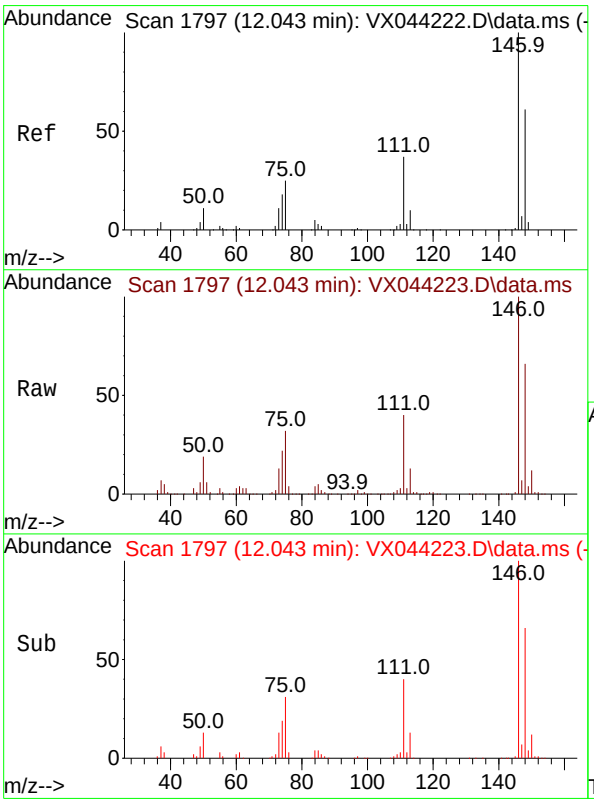

#87
1,3-Dichlorobenzene
Concen: 100.210 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 317377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 21.4 | 64.2 |
| 148 | 64.1 | 31.7 | 95.1 |

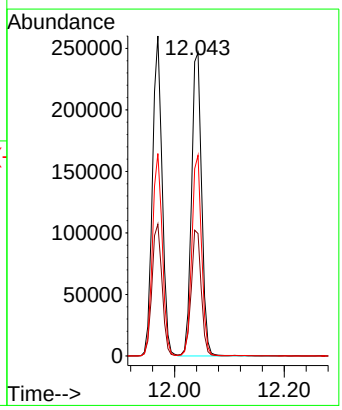


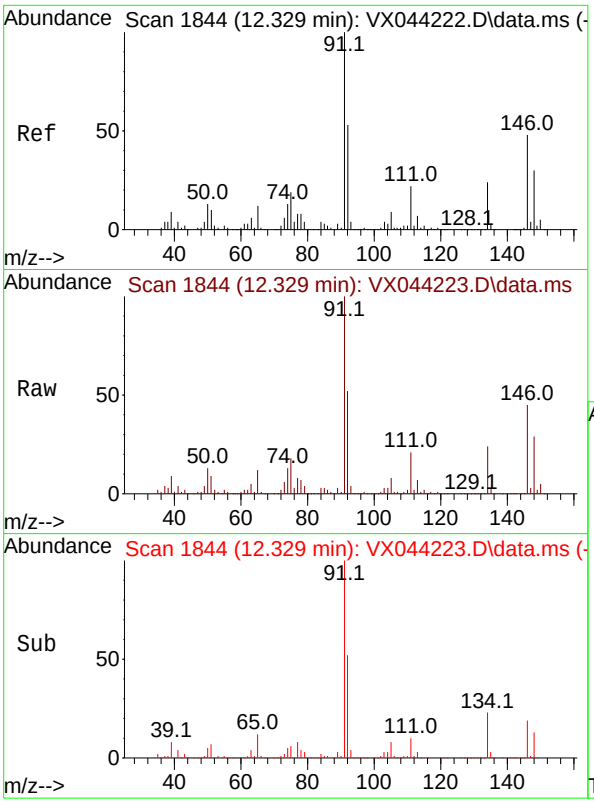




#88
1,4-Dichlorobenzene
Concen: 97.271 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:146 Resp: 316688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 21.0 | 63.0 |
| 148 | 63.7 | 32.3 | 96.8 |



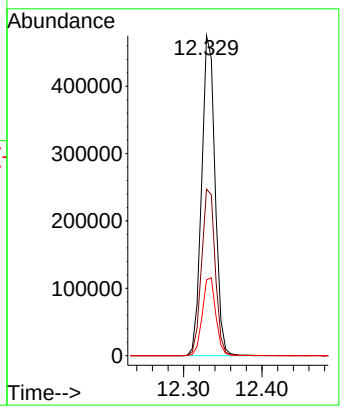


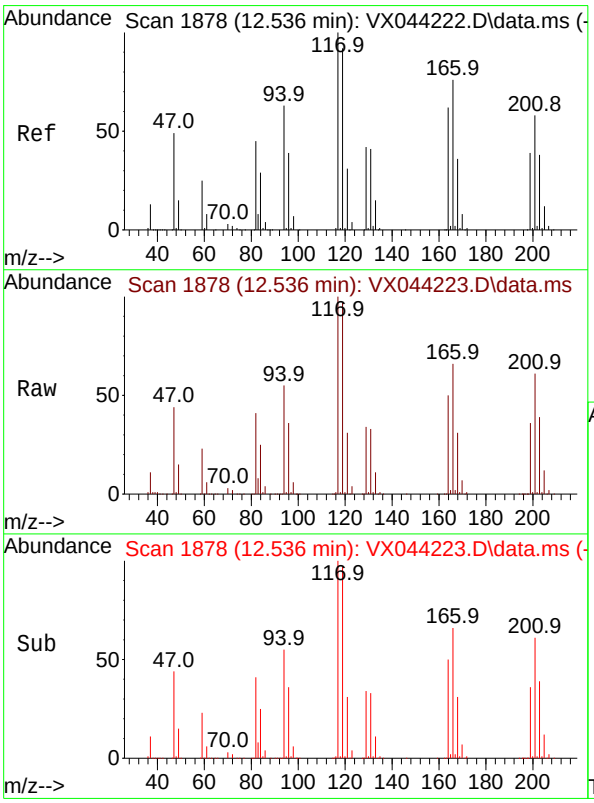

#89
n-Butylbenzene
Concen: 108.385 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 564303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.2 | 26.6 | 79.7 |
| 134 | 24.5 | 12.6 | 37.8 |

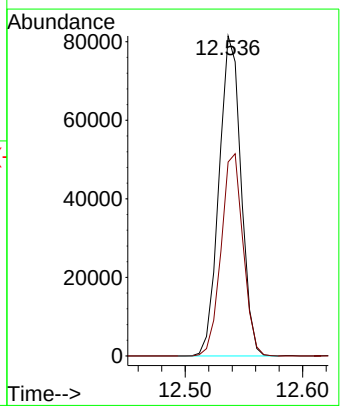


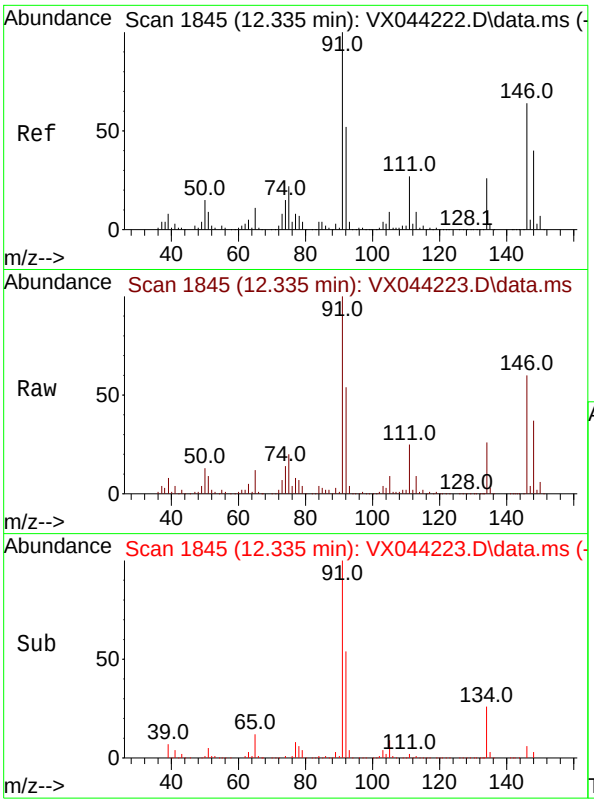




#90
Hexachloroethane
Concen: 117.218 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 105946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.2 | 31.4 | 94.2 |



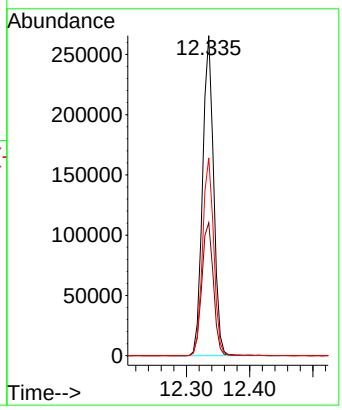


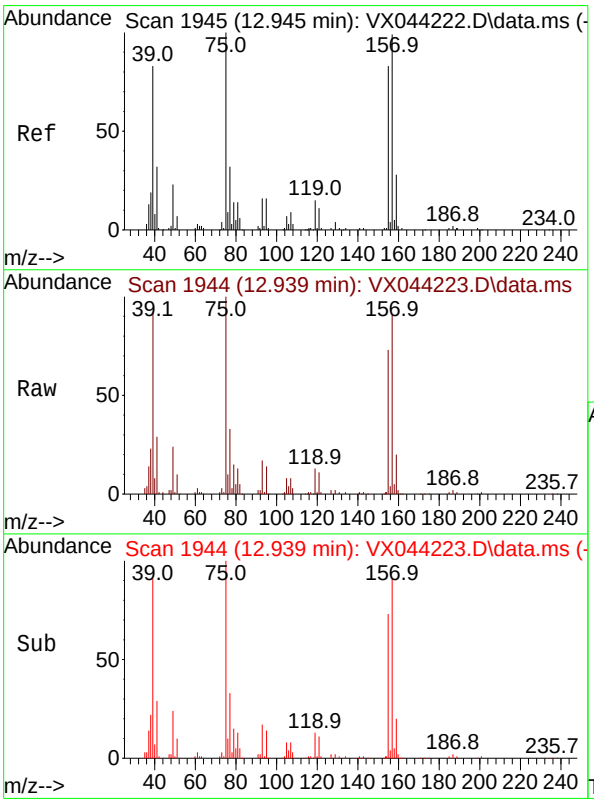

#91
1,2-Dichlorobenzene
Concen: 98.232 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 323040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.6 | 21.4 | 64.3 |
| 148 | 62.6 | 31.6 | 95.0 |

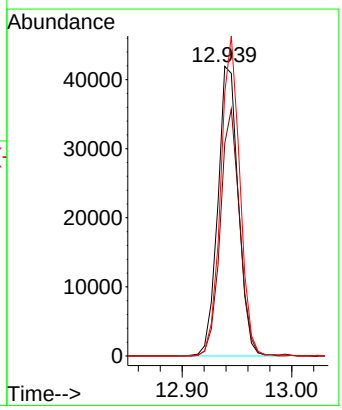


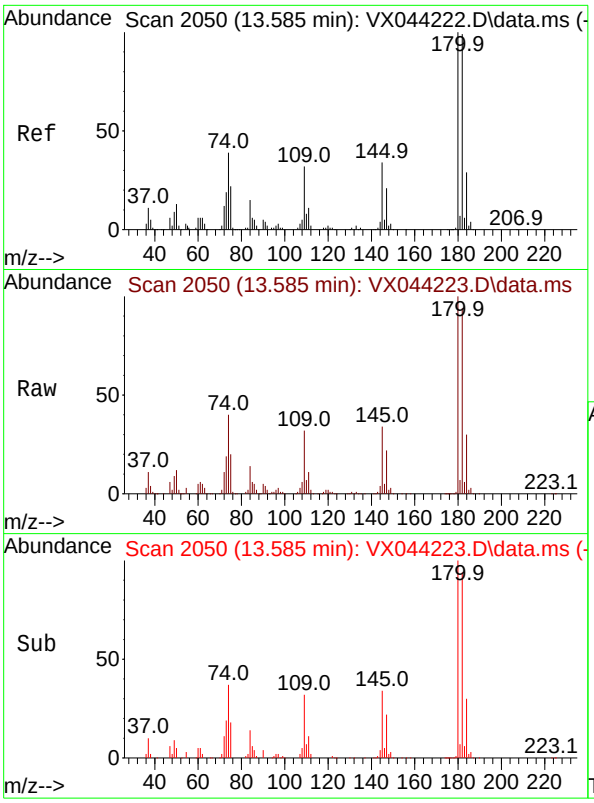




#92
1,2-Dibromo-3-Chloropropane
Concen: 108.279 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 54588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.6 | 38.1 | 114.3 |
| 157 | 102.8 | 47.2 | 141.6 |



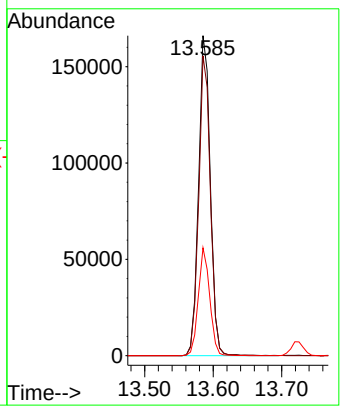


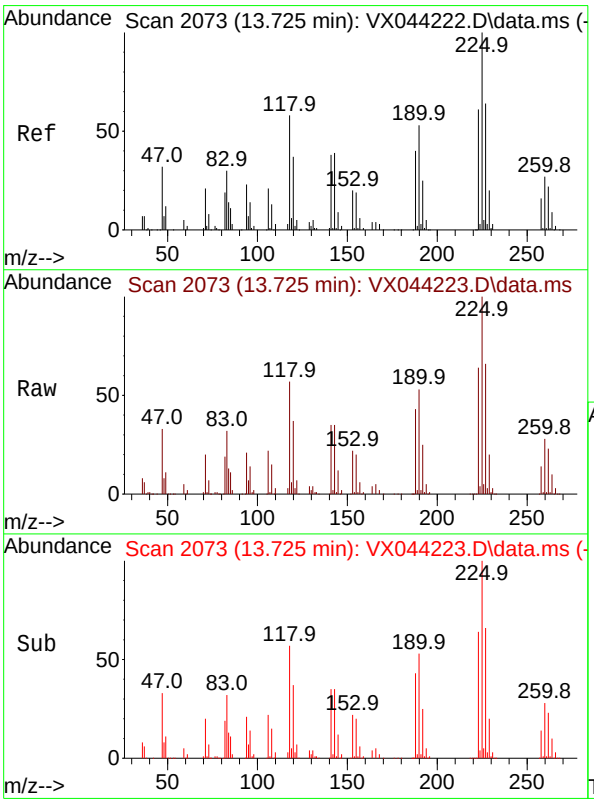

#93
1,2,4-Trichlorobenzene
Concen: 109.766 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:180 Resp: 197899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.5 | 48.0 | 144.2 |
| 145 | 32.9 | 16.6 | 49.7 |

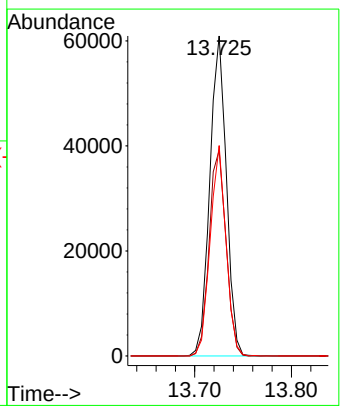


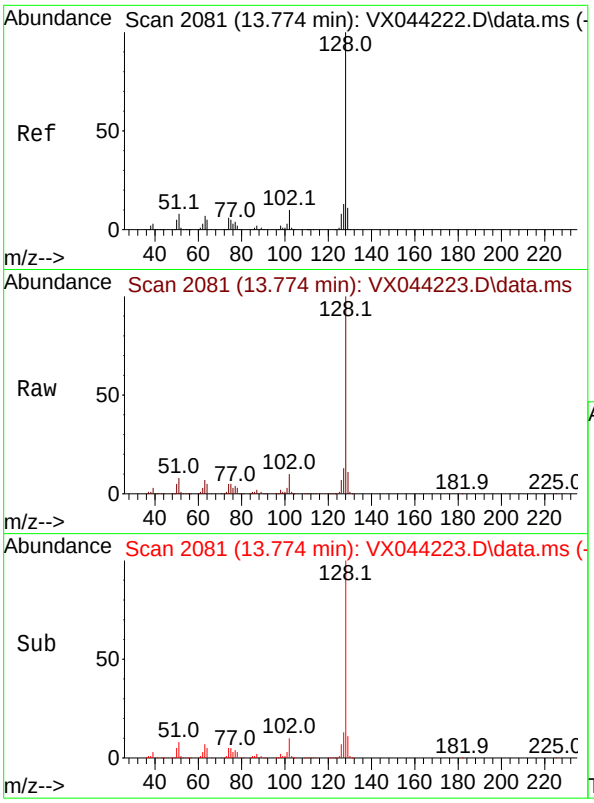




#94
Hexachlorobutadiene
Concen: 99.908 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:225 Resp: 72453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.5 | 30.8 | 92.4 |
| 227 | 62.9 | 32.1 | 96.3 |



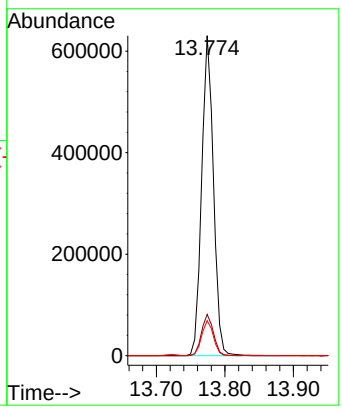


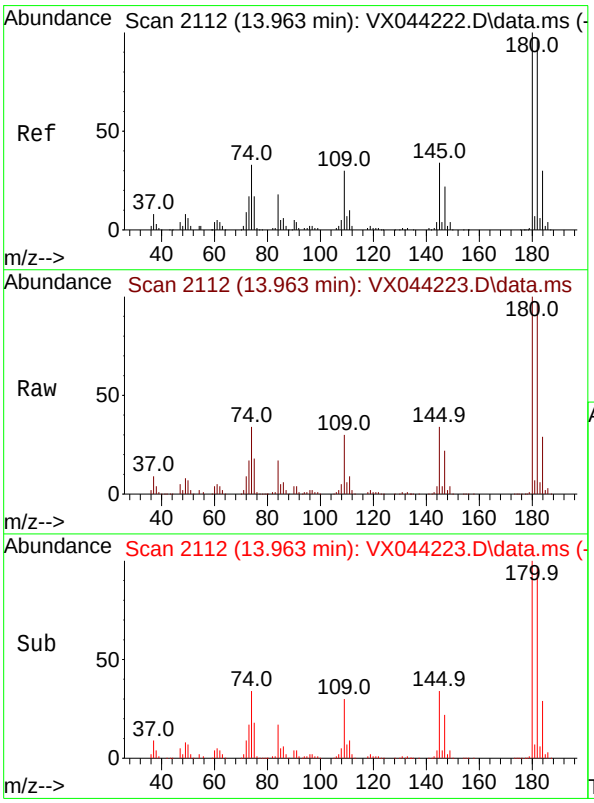

#95
Naphthalene
Concen: 107.308 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:128 Resp: 755181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.5 | 15.7 |
| 129 | 10.9 | 9.0 | 13.4 |

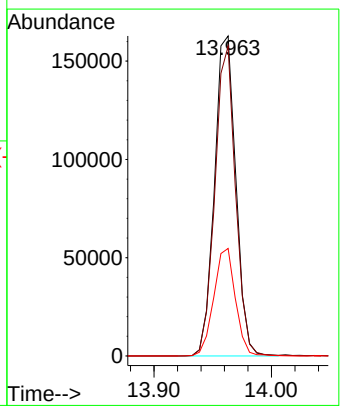



#96
1,2,3-Trichlorobenzene
Concen: 107.754 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:180 Resp: 206053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 48.0 | 144.0 |
| 145 | 34.1 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 117957 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 218610 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190013 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 90898 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 314272 | 151.956 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 303.920%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 231937 | 153.188 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 306.380%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 788876 | 154.438 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 308.880%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 279706 | 156.709 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 313.420%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 268739 | 147.342 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 261734 | 150.062 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 260651 | 143.446 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 194089 | 150.562 | ug/l | 100 |
| 6) Chloroethane | 1.660 | 64 | 150640 | 133.137 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.861 | 101 | 500315 | 140.645 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 183845 | 151.407 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 219513 | 152.497 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 284184 | 149.795 | ug/l | 99 |
| 11) Tert butyl alcohol | 3.014 | 59 | 266830 | 916.880 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 211016 | 159.600 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 341487 | 809.350 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 346773 | 157.465 | ug/l | 99 |
| 15) Acrylonitrile | 3.068 | 53 | 649783 | 804.774 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 658120 | 780.537 | ug/l | 98 |
| 17) Carbon Disulfide | 2.495 | 76 | 481926 | 191.754 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 336516 | 154.792 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 806360 | 156.286 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 236412 | 149.282 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 221622 | 157.719 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 751292 | 151.500 | ug/l | 98 |
| 23) Vinyl Acetate | 3.727 | 43 | 3464902 | 859.417 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 431006 | 155.921 | ug/l | 100 |
| 25) 2-Butanone | 4.568 | 43 | 957709 | 798.973 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 367781 | 163.773 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 269708 | 151.131 | ug/l | 99 |
| 28) Bromochloromethane | 4.897 | 49 | 200978 | 148.269 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 602095 | 782.561 | ug/l | 99 |
| 30) Chloroform | 5.092 | 83 | 463606 | 149.274 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 332026 | 148.745 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 415253 | 161.073 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 290913 | 148.642 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 376757 | 155.731 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 346795 | 164.587 | ug/l | 98 |
| 39) Methylcyclohexane | 7.373 | 83 | 368542 | 157.516 | ug/l | 99 |
| 40) Benzene | 6.031 | 78 | 887413 | 149.340 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 199851 | 155.569 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 369874 | 151.105 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 617107 | 163.200 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 224164 | 151.275 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 224224 | 147.697 | ug/l | | 96 |
| 46) Dibromomethane | 7.580 | 93 | 184590 | 156.728 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 352904 | 173.496 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 292890 | 159.567 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 111023 | 3539.235 | ug/l | # | 88 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 1907523 | 784.573 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 557102 | 149.294 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 366275 | 150.167 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 382226 | 172.581 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 222665 | 150.202 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 389165 | 166.289 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 387086 | 150.014 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 970949 | 822.575 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 1436300 | 816.161 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.525 | 129 | 261253 | 150.105 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 242451 | 160.674 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 186443 | 147.836 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 608404 | 149.428 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 218515 | 166.991 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.195 | 91 | 1068736 | 151.917 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 806058 | 312.254 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 397084 | 152.030 | ug/l | | 98 |
| 70) Styrene | 10.652 | 104 | 670887 | 160.228 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 169450 | 150.034 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 1021749 | 146.832 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 536496 | 166.823 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 352591 | 145.883 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 400724 | 194.277 | ug/l | | 85 |
| 77) Bromobenzene | 11.201 | 156 | 243975 | 144.584 | ug/l | | 100 |
| 78) n-propylbenzene | 11.305 | 91 | 1166255 | 151.637 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 700673 | 140.866 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 853042 | 147.824 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 117263 | 152.670 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 825278 | 149.831 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 846864 | 148.495 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 846771 | 149.414 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 1034419 | 149.409 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 875562 | 151.944 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 443826 | 150.575 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 442556 | 146.058 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 808399 | 166.836 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 154726 | 183.942 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 447931 | 146.357 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 83565 | 178.106 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 288519 | 171.952 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 103961 | 154.036 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 1094997 | 167.187 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 293760 | 165.064 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

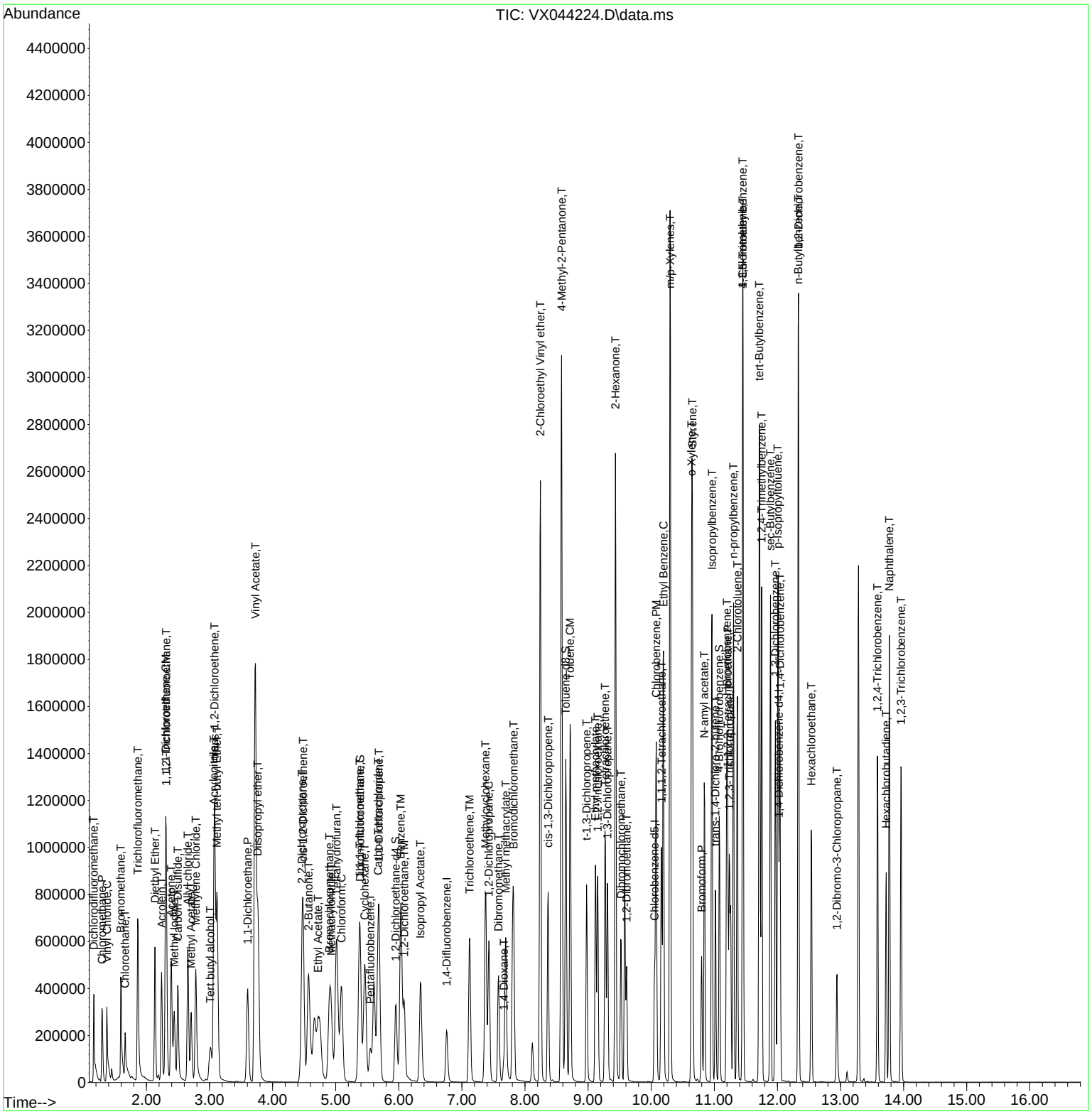
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

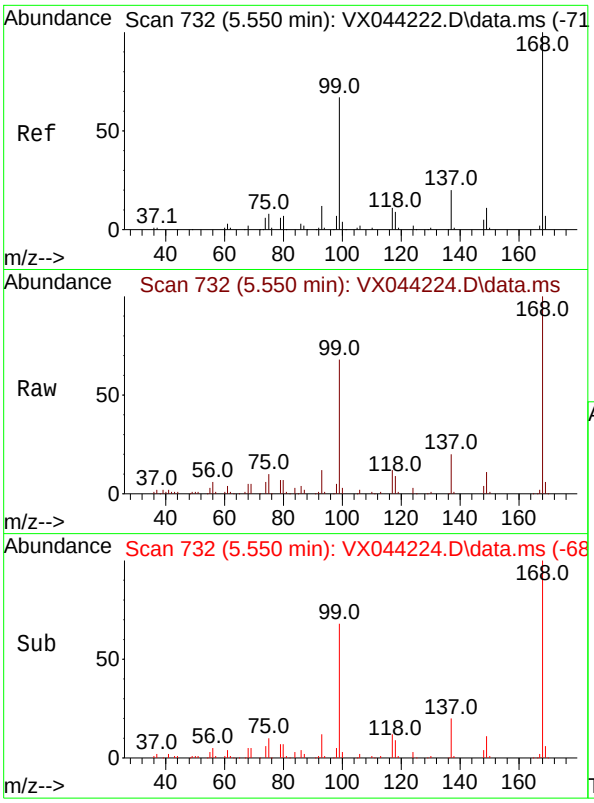
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



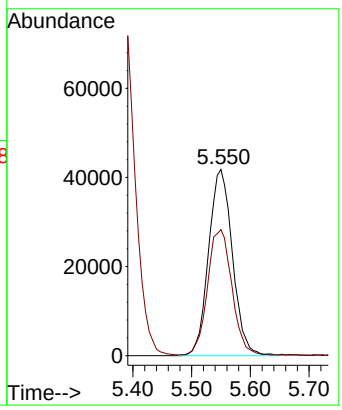


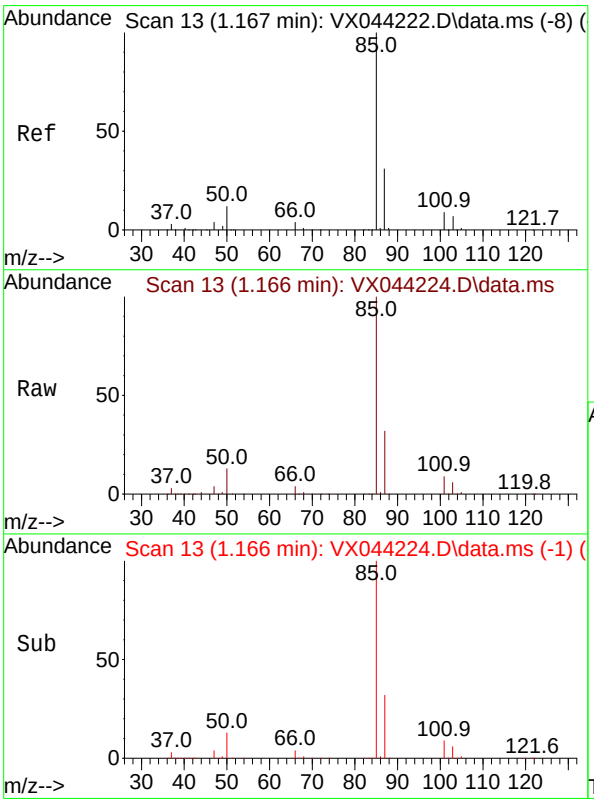

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:168 Resp: 117957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.2 | 53.4 | 80.0 |

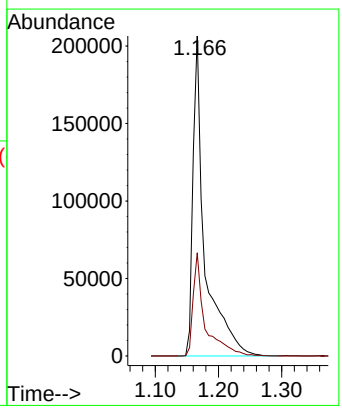


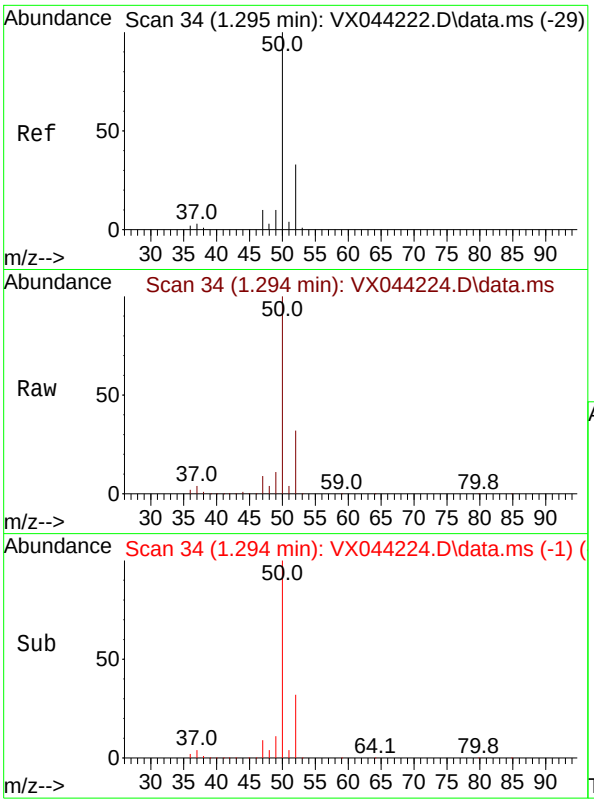




#2
Dichlorodifluoromethane
Concen: 147.342 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 85 Resp: 268739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 15.4 | 46.4 |



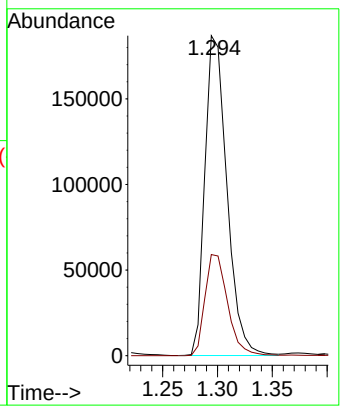


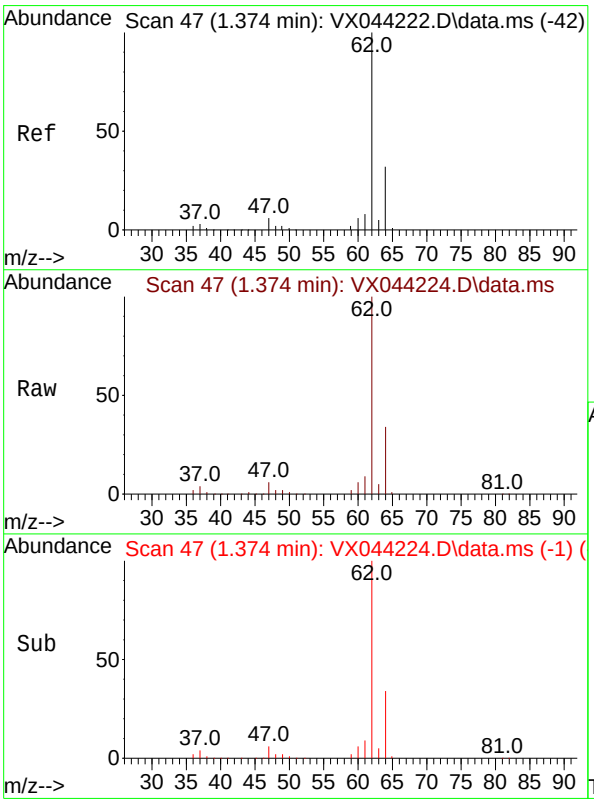

#3
Chloromethane
Concen: 150.062 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 50 Resp: 261734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.6 | 26.5 | 39.7 |

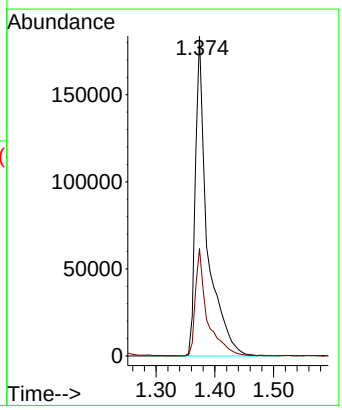


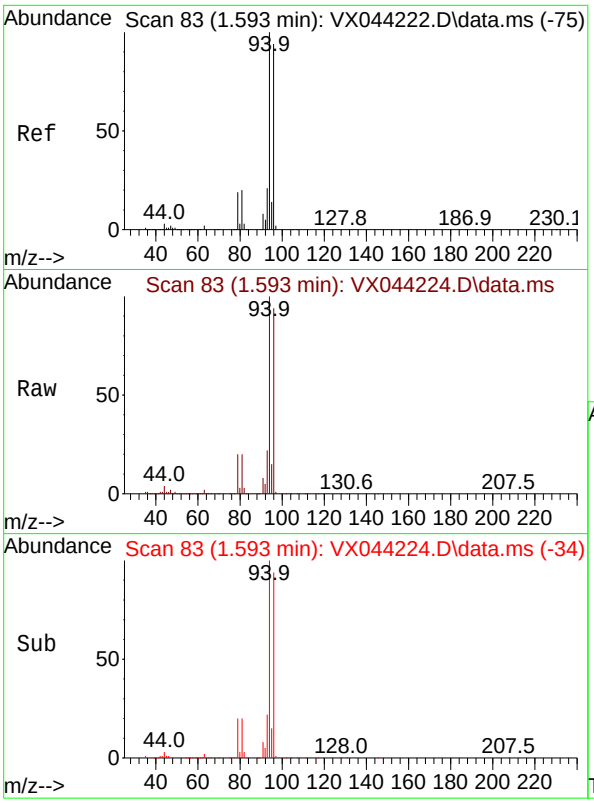




#4
Vinyl Chloride
Concen: 143.446 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 62 Resp: 260651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 25.7 | 38.5 |



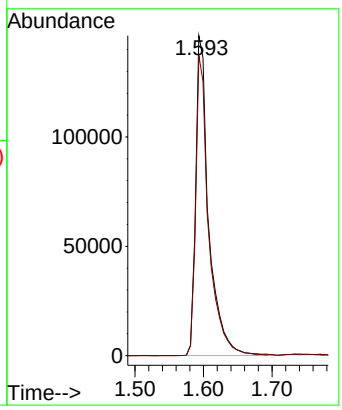


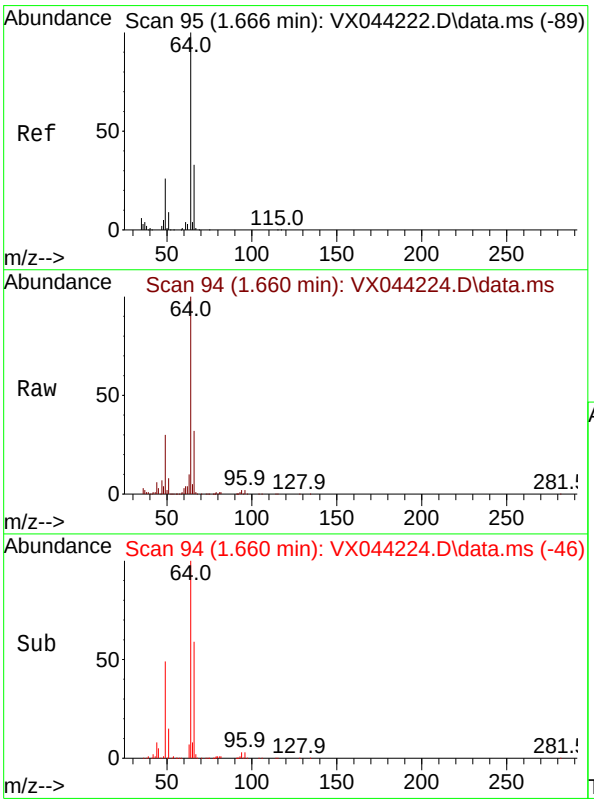

#5
Bromomethane
Concen: 150.562 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 94 Resp: 194089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.0 | 74.9 | 112.3 |

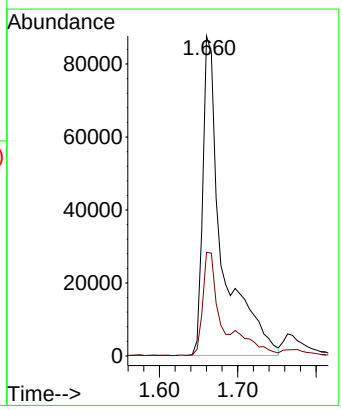


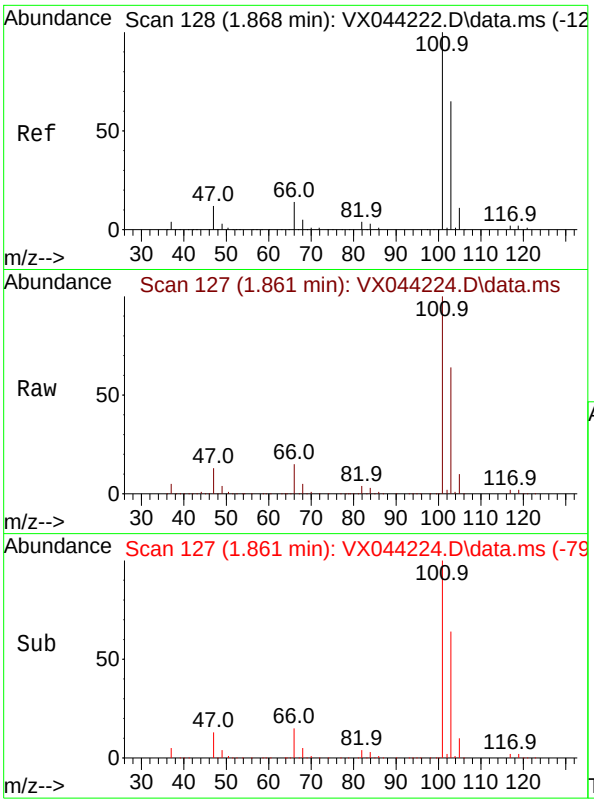




#6
Chloroethane
Concen: 133.137 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 64 Resp: 150640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.1 | 26.6 | 39.8 |



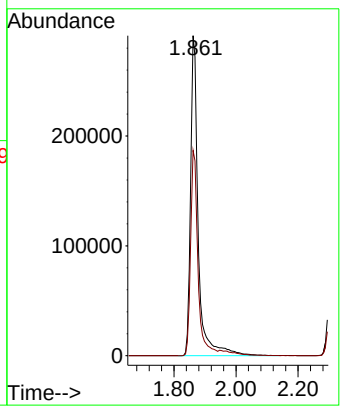


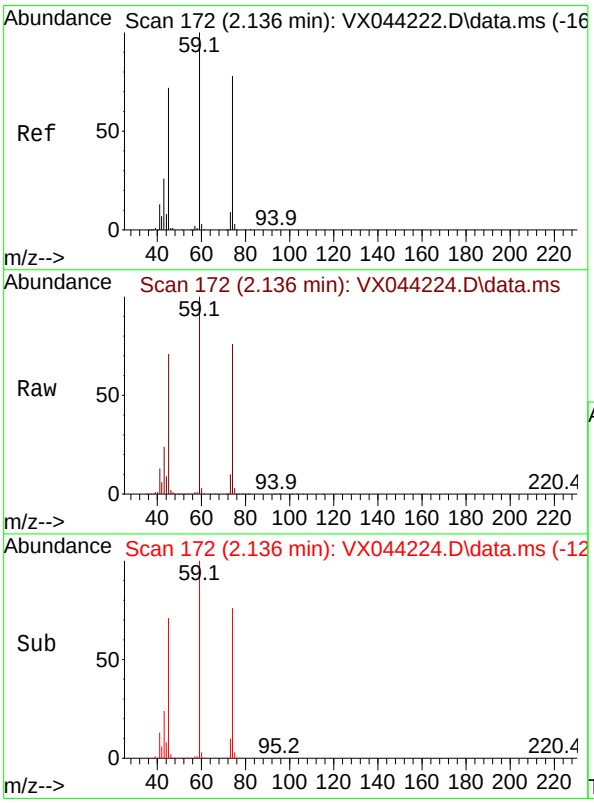

#7
Trichlorofluoromethane
Concen: 140.645 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 500315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 51.8 | 77.8 |

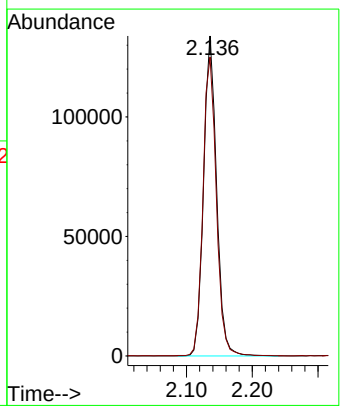


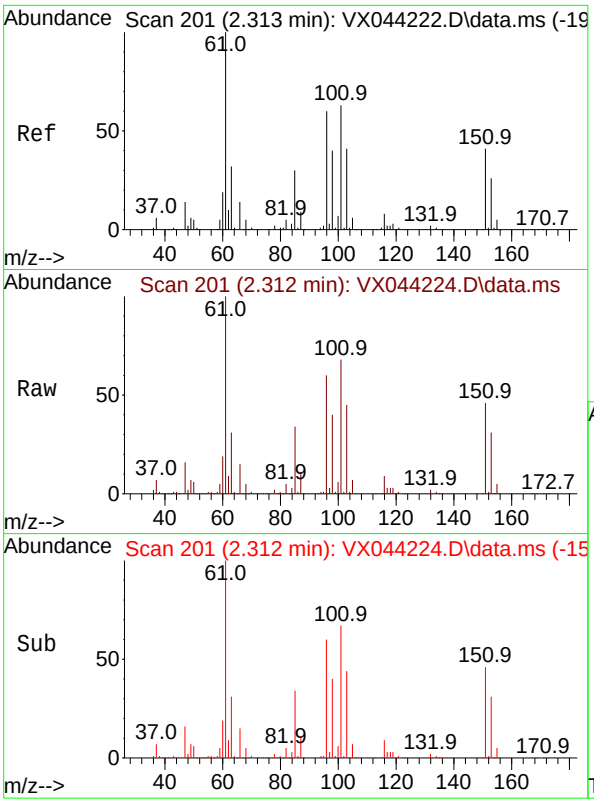




#8
Diethyl Ether
Concen: 151.407 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 74 Resp: 183845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.6 | 48.4 | 145.0 |



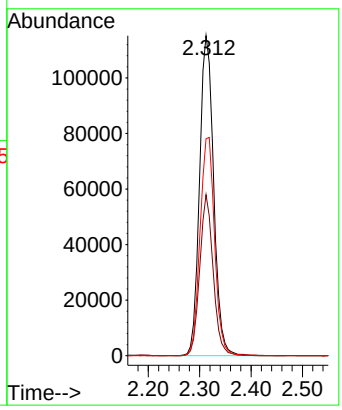


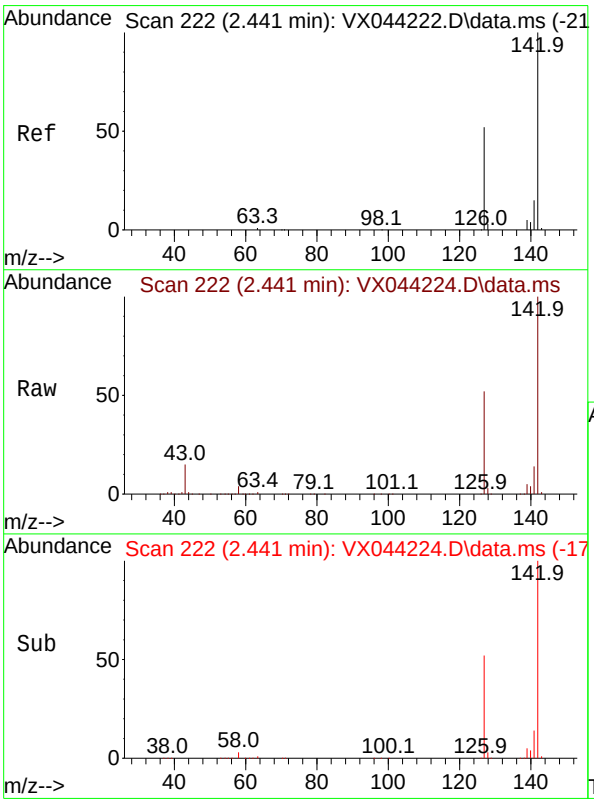

#9
1,1,2-Trichlorotrifluoroethane
Concen: 152.497 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 219513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.8 | 38.5 | 57.7 |
| 151 | 70.5 | 55.8 | 83.6 |

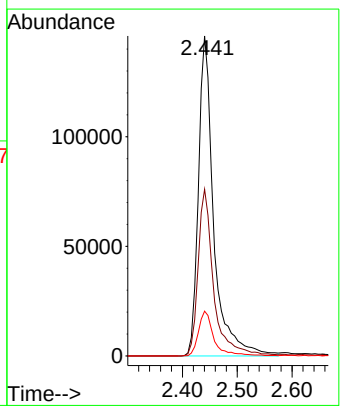


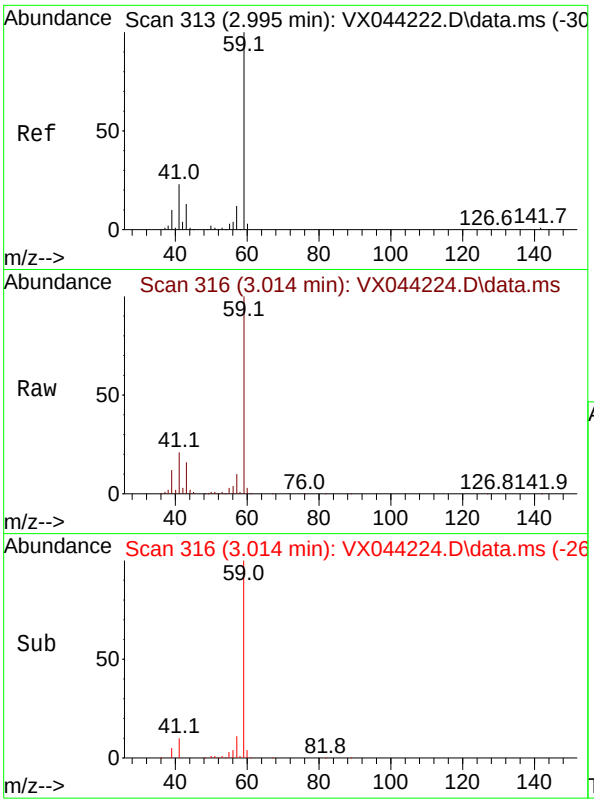




#10
Methyl Iodide
Concen: 149.795 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:142 Resp: 284184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.8 | 41.8 | 62.8 |
| 141 | 14.2 | 11.5 | 17.3 |



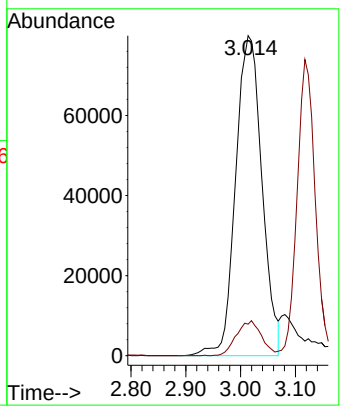


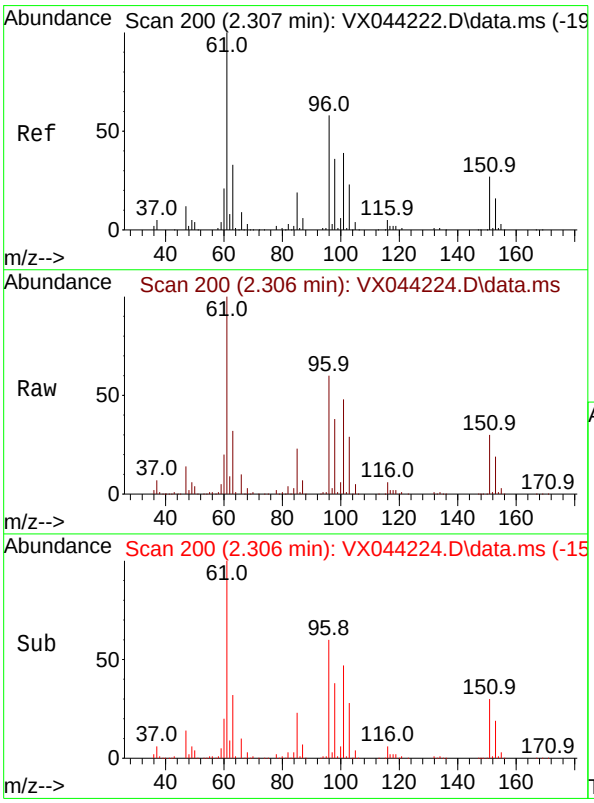

#11
Tert butyl alcohol
Concen: 916.880 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 59 Resp: 266830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.8 | 13.2 |

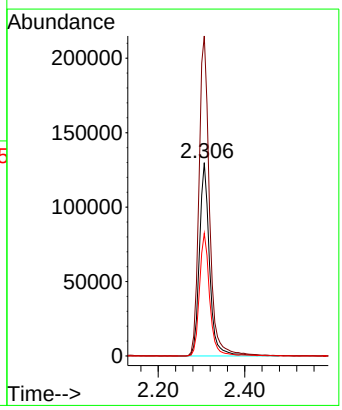


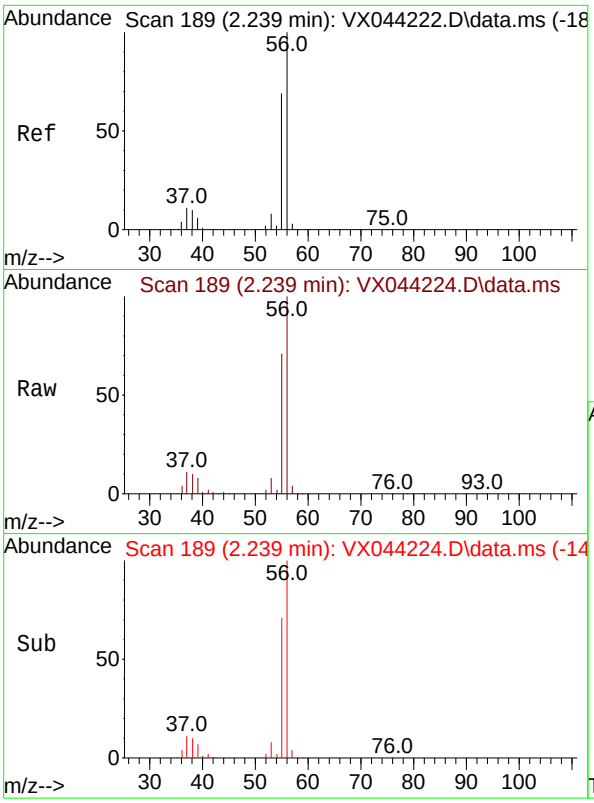




#12
1,1-Dichloroethene
Concen: 159.600 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 96 Resp: 211016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.6 | 138.0 | 207.0 |
| 98 | 63.5 | 50.0 | 75.0 |



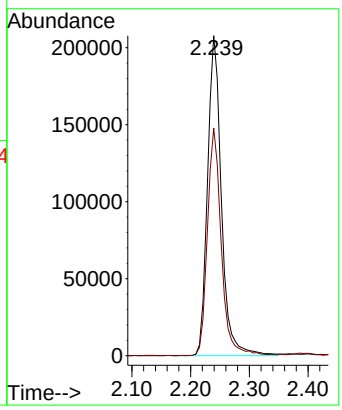


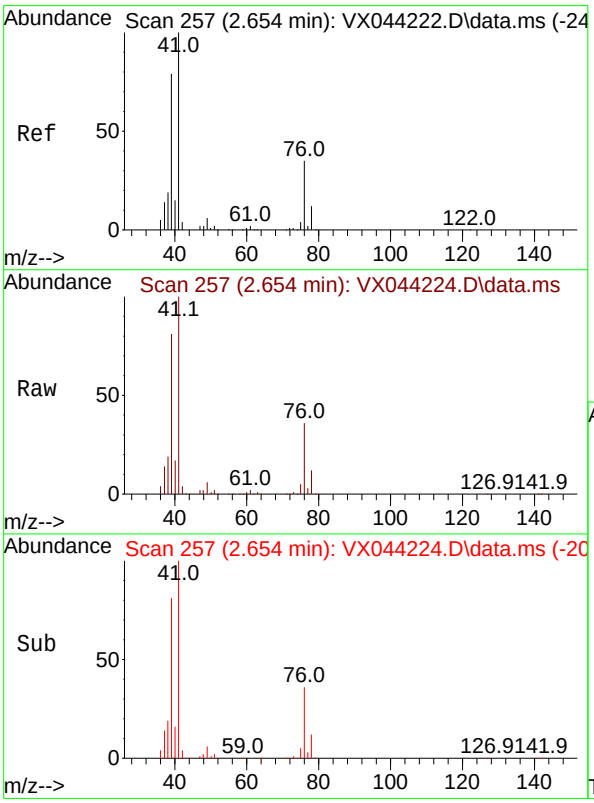

#13
Acrolein
Concen: 809.350 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 341487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.8 | 56.6 | 84.8 |

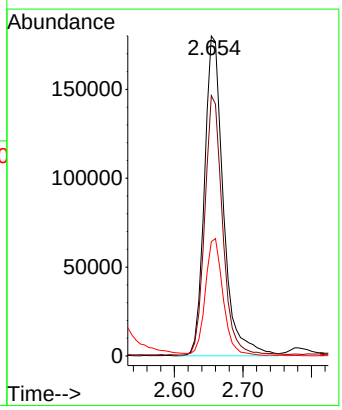


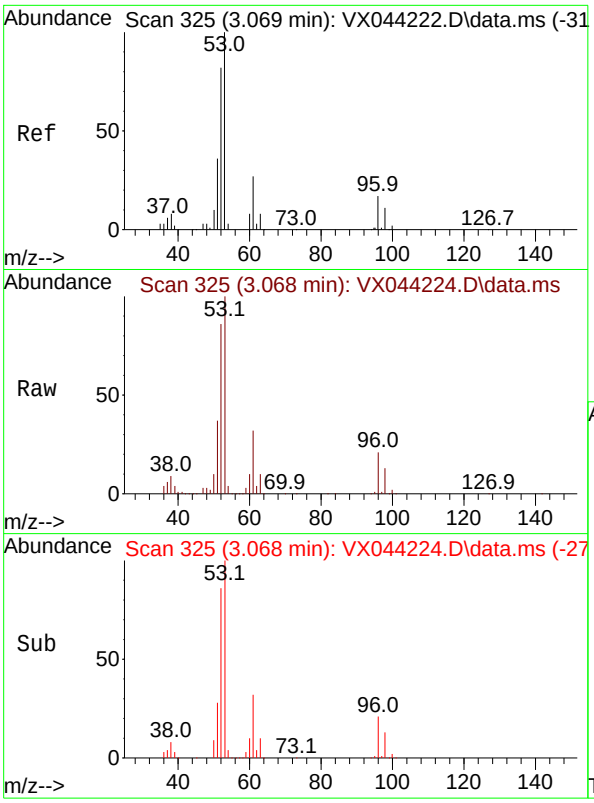




#14
Allyl chloride
Concen: 157.465 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 346773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.1 | 61.9 | 92.9 |
| 76 | 34.5 | 27.4 | 41.2 |



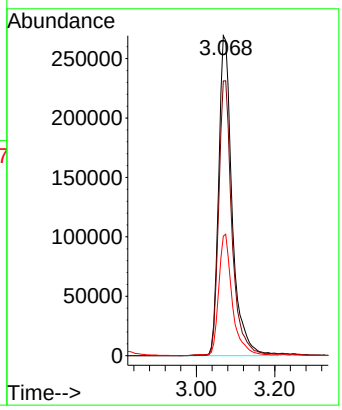


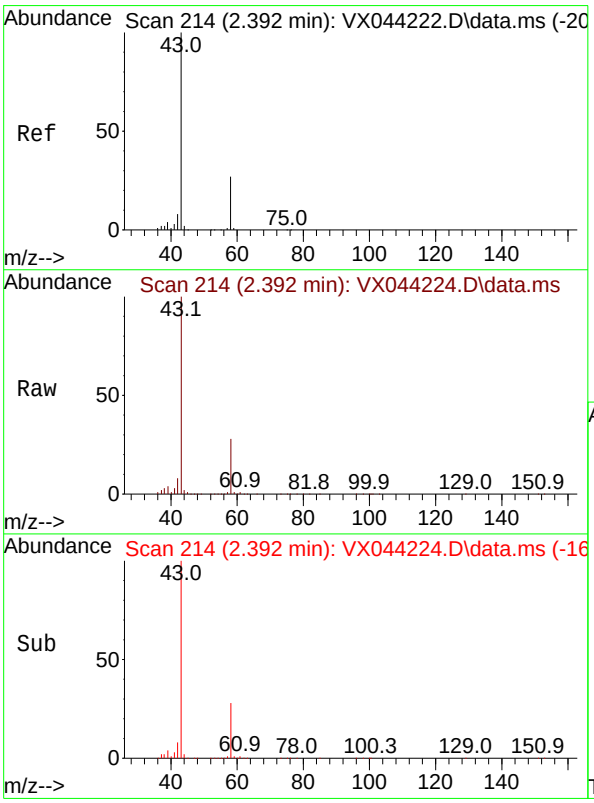

#15
Acrylonitrile
Concen: 804.774 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 53 Resp: 649783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 67.4 | 101.0 |
| 51 | 37.0 | 30.3 | 45.5 |

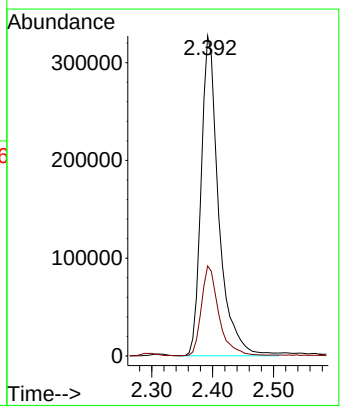


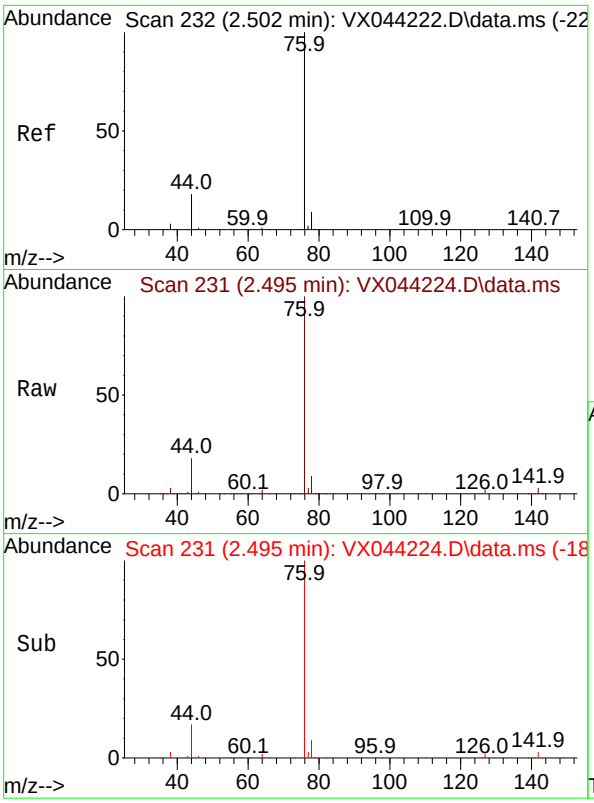




#16
Acetone
Concen: 780.537 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 658120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.1 | 21.6 | 32.4 |



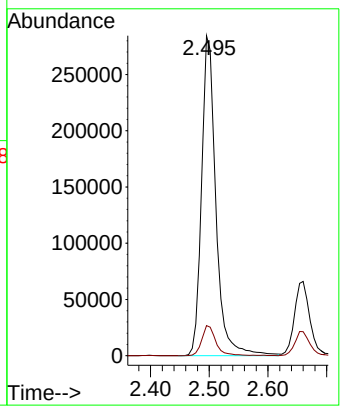


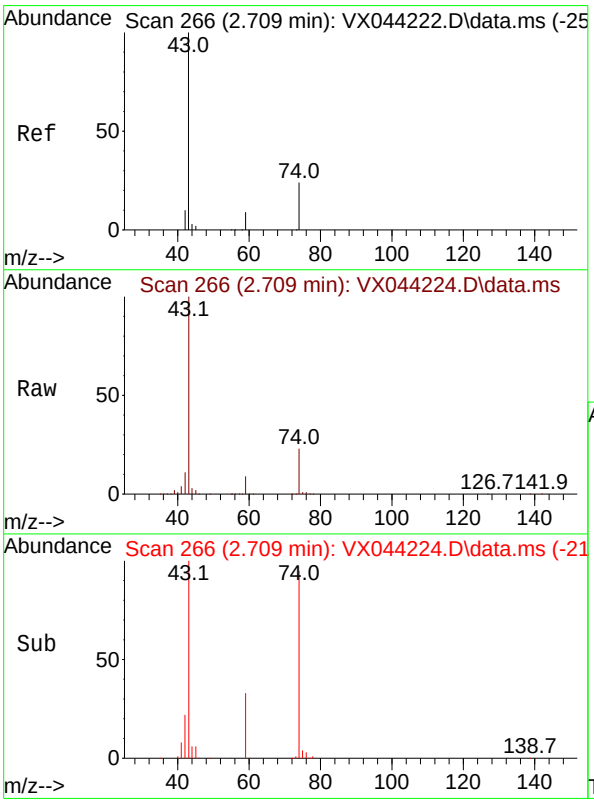

#17
Carbon Disulfide
Concen: 191.754 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 481926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |

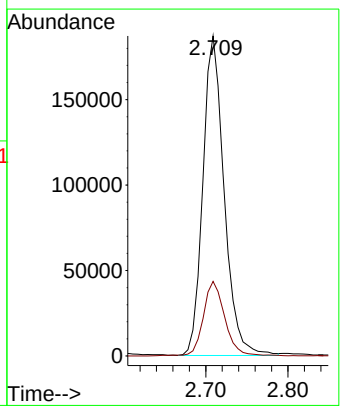


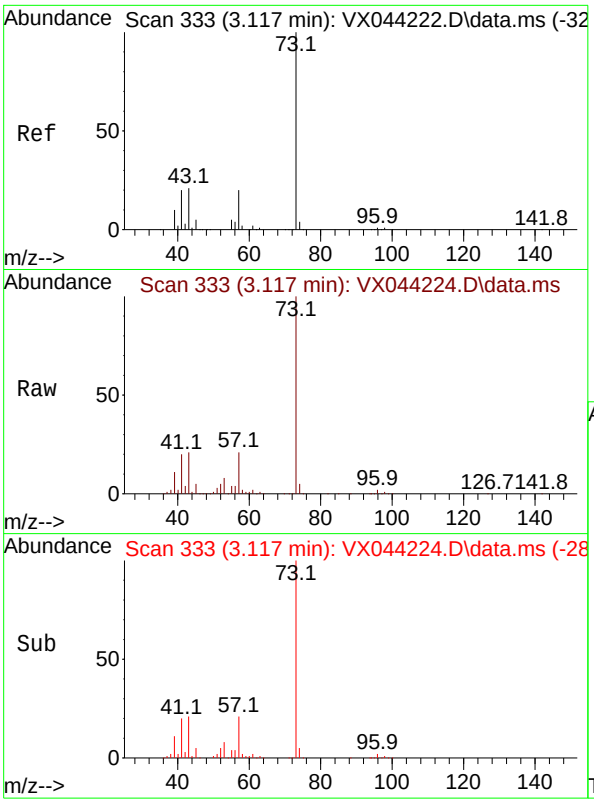




#18
Methyl Acetate
Concen: 154.792 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 336516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 17.7 | 26.5 |



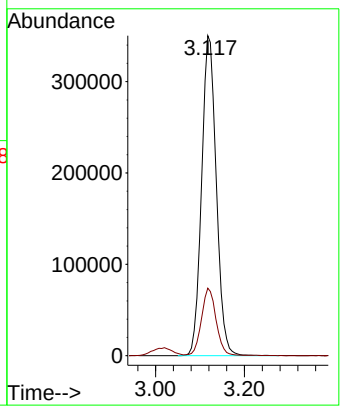


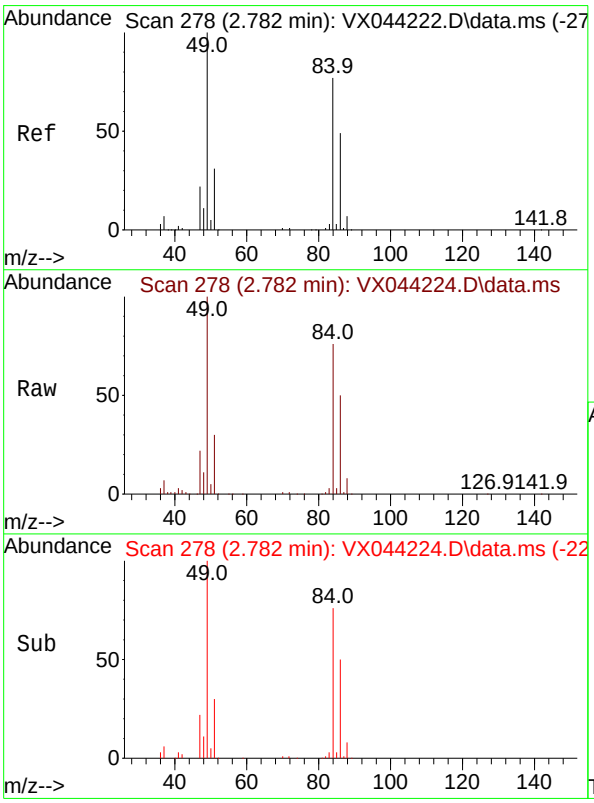

#19
Methyl tert-butyl Ether
Concen: 156.286 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 73 Resp: 806360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 16.2 | 24.4 |

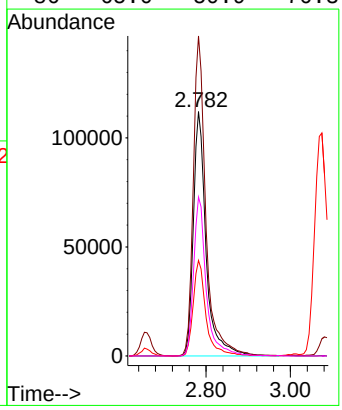


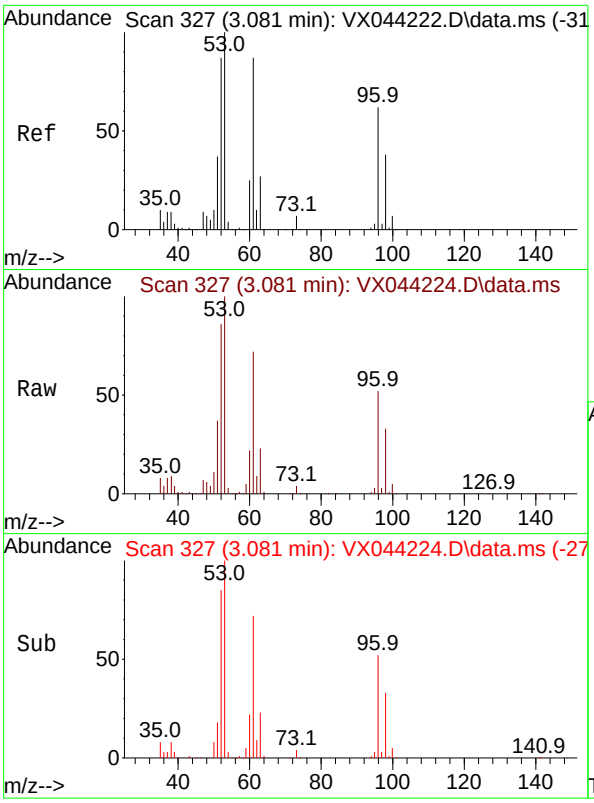




#20
Methylene Chloride
Concen: 149.282 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 84 Resp: 236412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.9 | 104.2 | 156.4 |
| 51 | 39.1 | 32.2 | 48.4 |
| 86 | 65.0 | 50.9 | 76.3 |



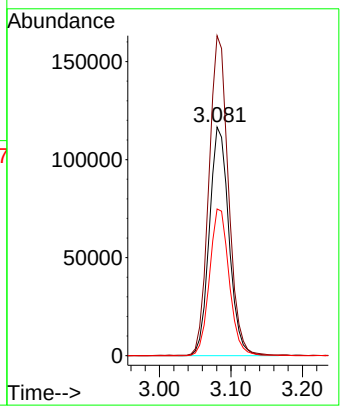


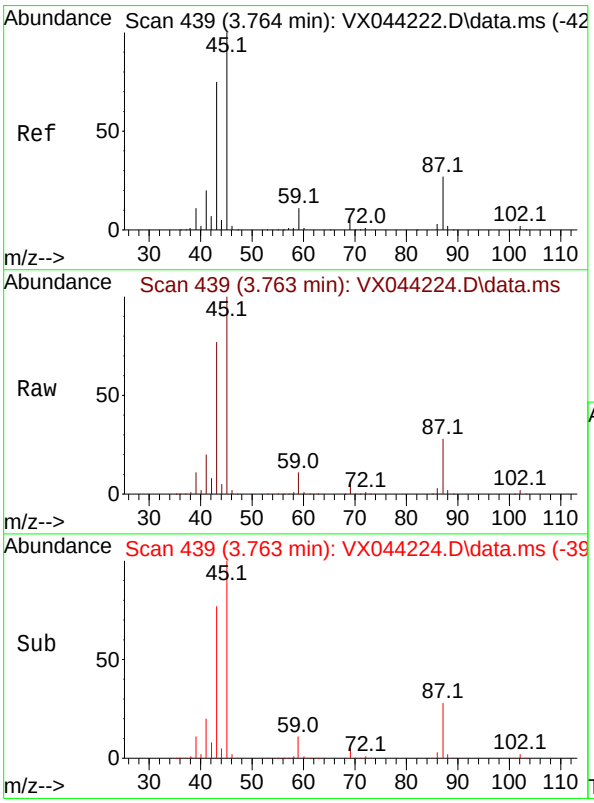

#21
trans-1,2-Dichloroethene
Concen: 157.719 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 221622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.7 | 112.0 | 168.0 |
| 98 | 64.2 | 48.8 | 73.2 |

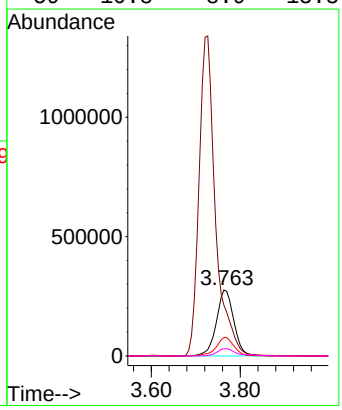


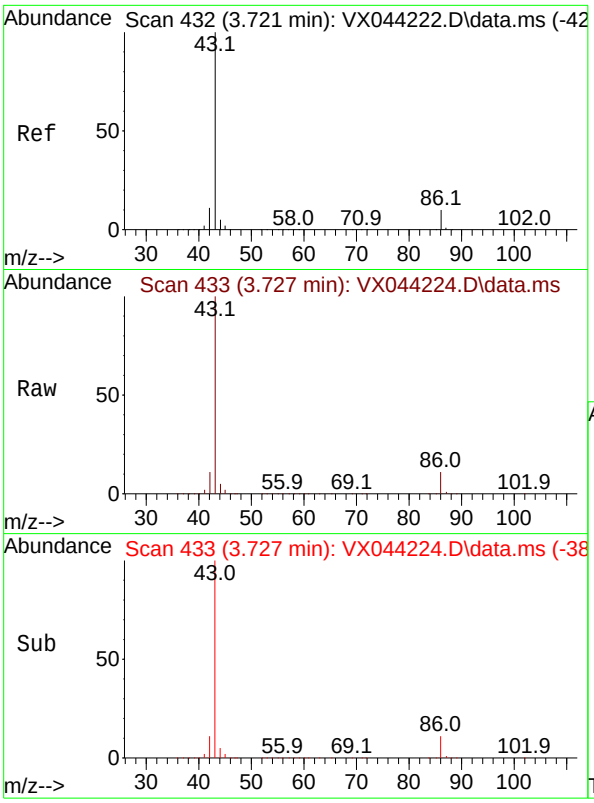




#22
Diisopropyl ether
Concen: 151.500 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 45 Resp: 751292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 76.6 | 60.2 | 90.2 |
| 87 | 28.0 | 21.2 | 31.8 |
| 59 | 10.8 | 8.9 | 13.3 |



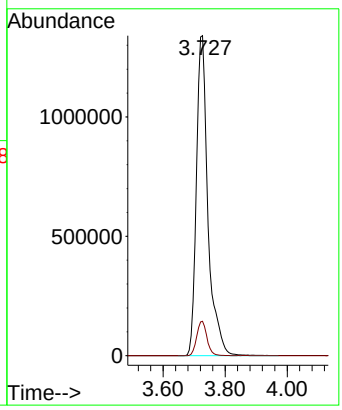


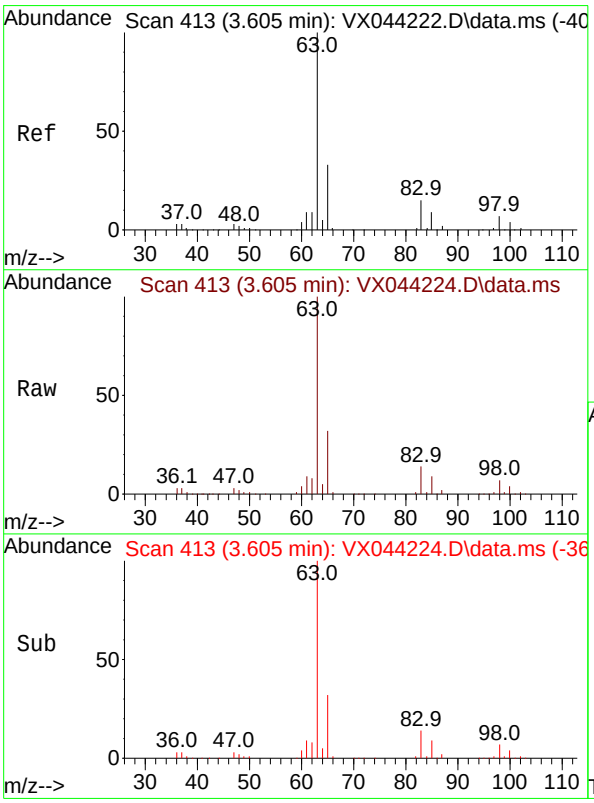

#23
Vinyl Acetate
Concen: 859.417 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 3464902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.7 | 8.2 | 12.2 |

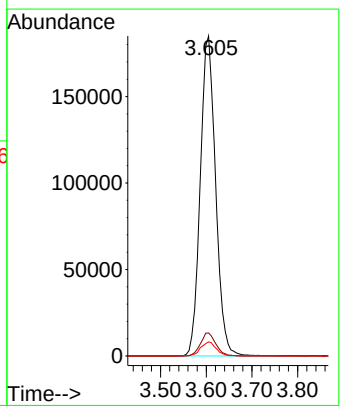


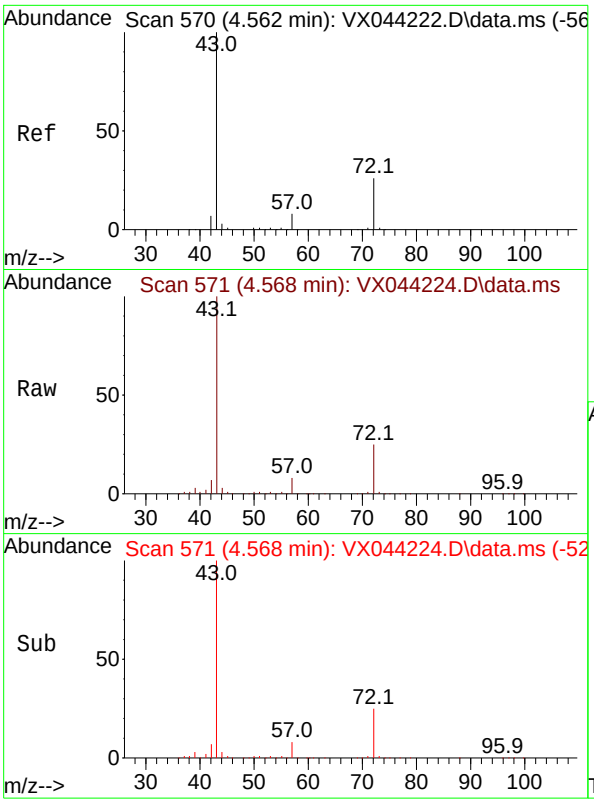




#24
1,1-Dichloroethane
Concen: 155.921 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 431006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.6 | 10.8 |
| 100 | 4.4 | 2.1 | 6.3 |



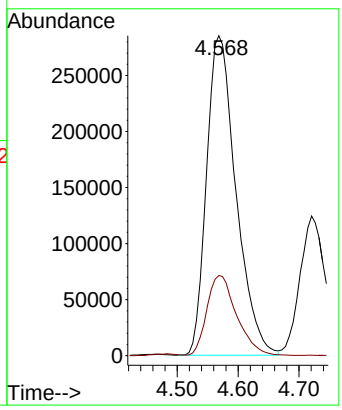


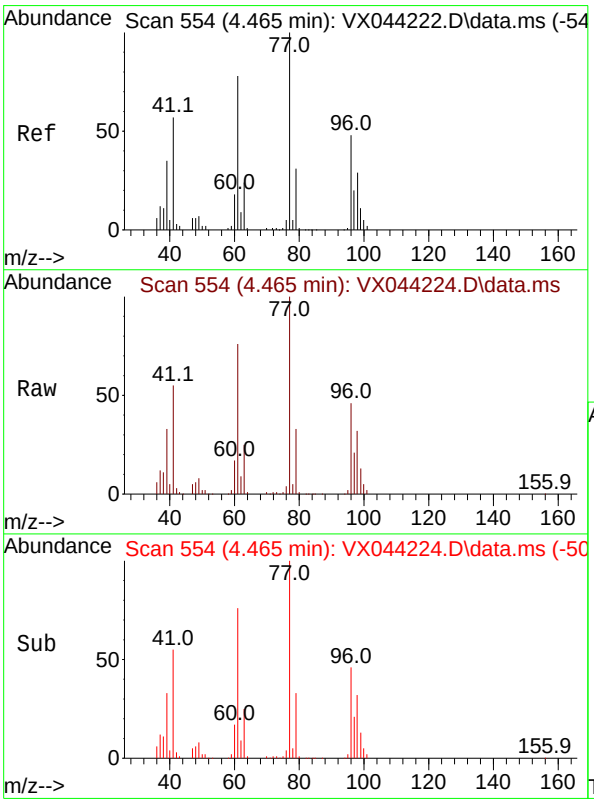

#25
2-Butanone
Concen: 798.973 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 957709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 20.2 | 30.4 |

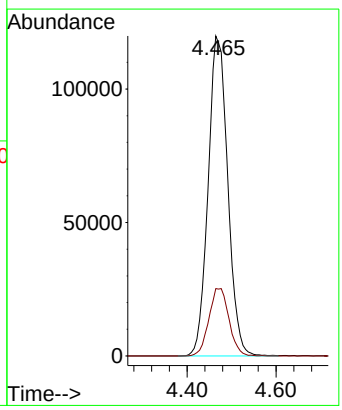


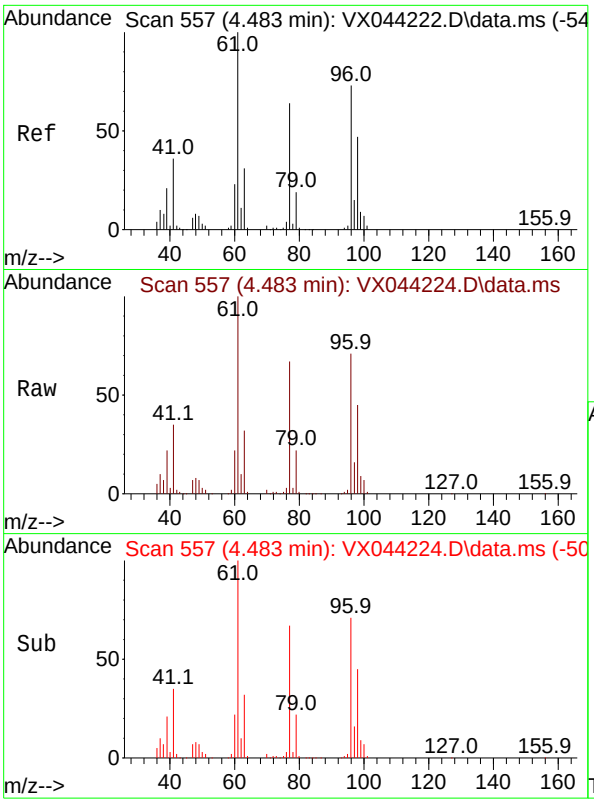




#26
2,2-Dichloropropane
Concen: 163.773 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 77 Resp: 367781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.6 | 10.7 | 32.1 |



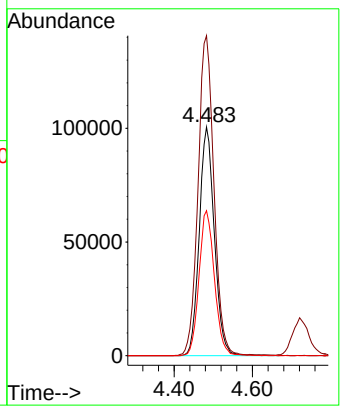


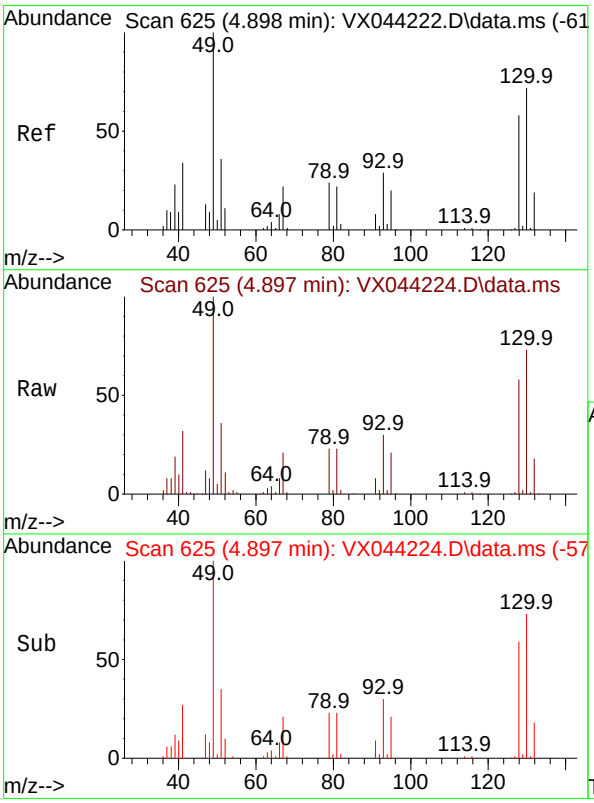

#27
cis-1,2-Dichloroethene
Concen: 151.131 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 269708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.2 | 0.0 | 299.0 |
| 98 | 64.7 | 0.0 | 129.0 |

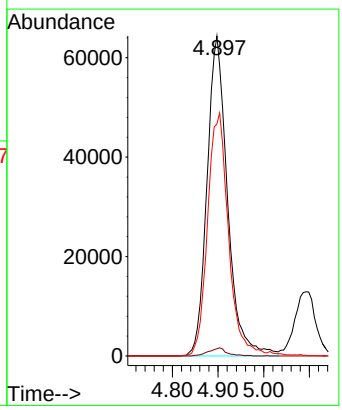


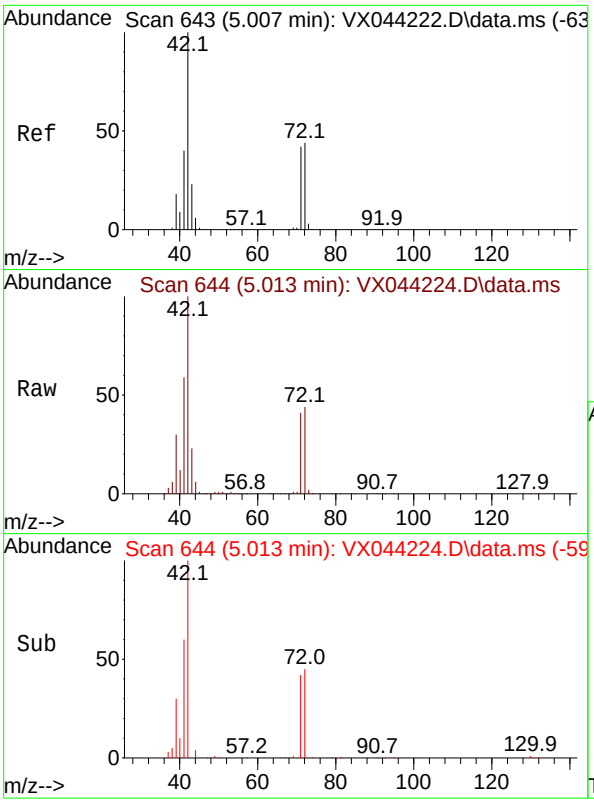




#28
Bromochloromethane
Concen: 148.269 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 49 Resp: 200978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.2 |
| 130 | 77.2 | 62.1 | 93.1 |



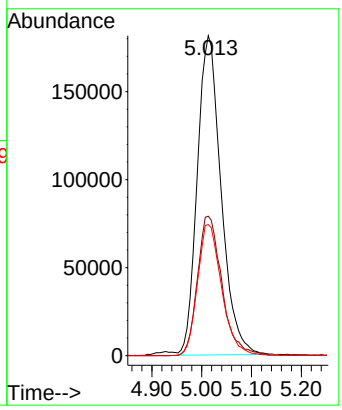


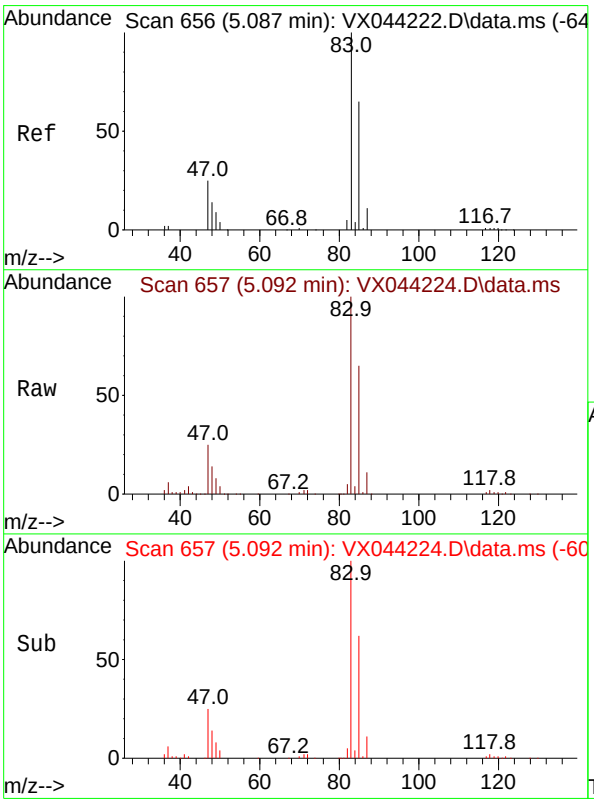

#29
Tetrahydrofuran
Concen: 782.561 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 42 Resp: 602095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.8 | 37.0 | 55.6 |
| 71 | 41.7 | 33.6 | 50.4 |

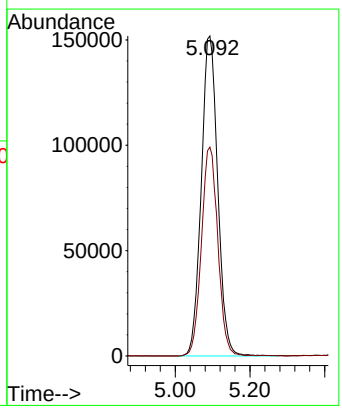


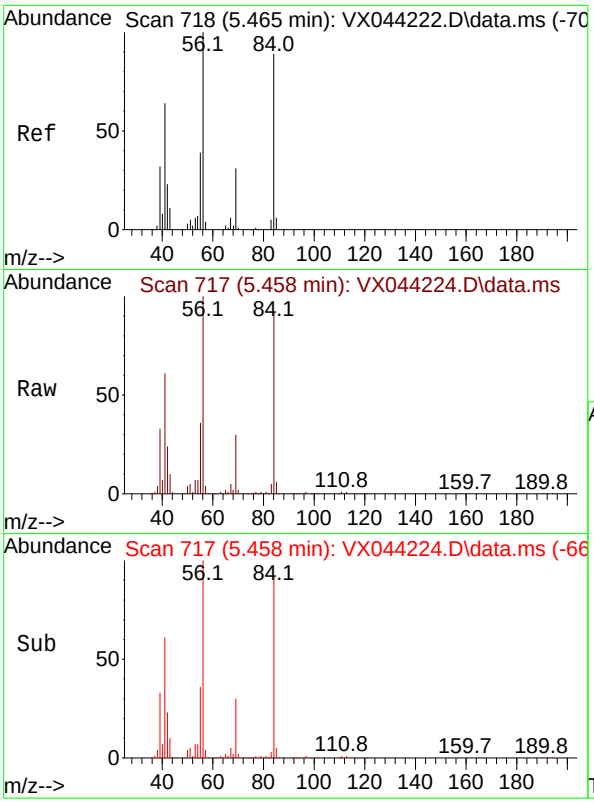




#30
Chloroform
Concen: 149.274 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 83 Resp: 463606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 51.6 | 77.4 |



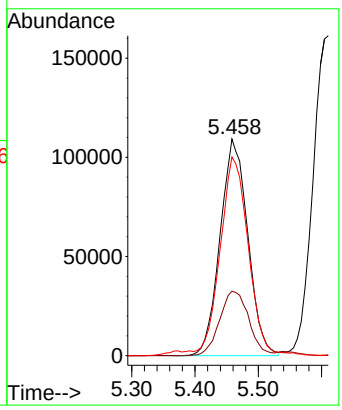


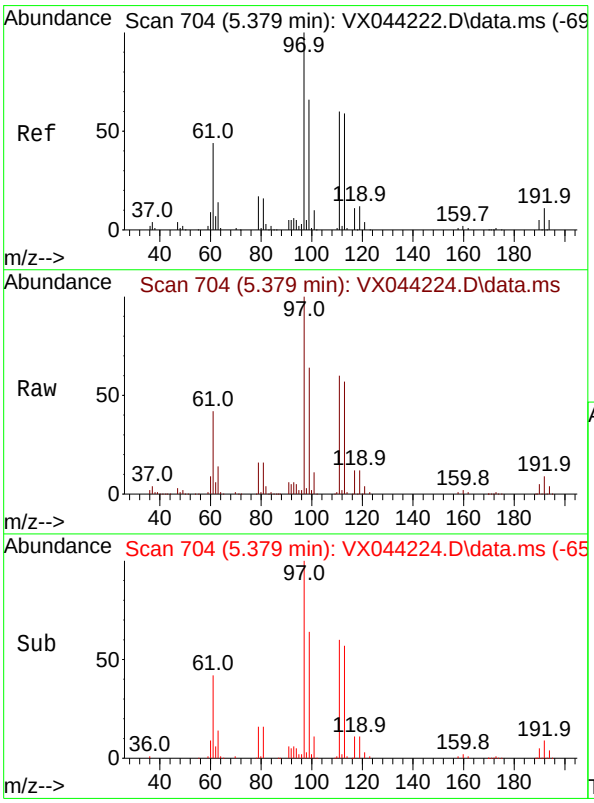

#31
Cyclohexane
Concen: 148.745 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 332026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.8 | 24.7 | 37.1 |
| 84 | 90.1 | 71.0 | 106.6 |

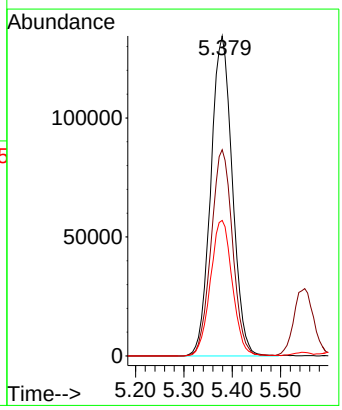


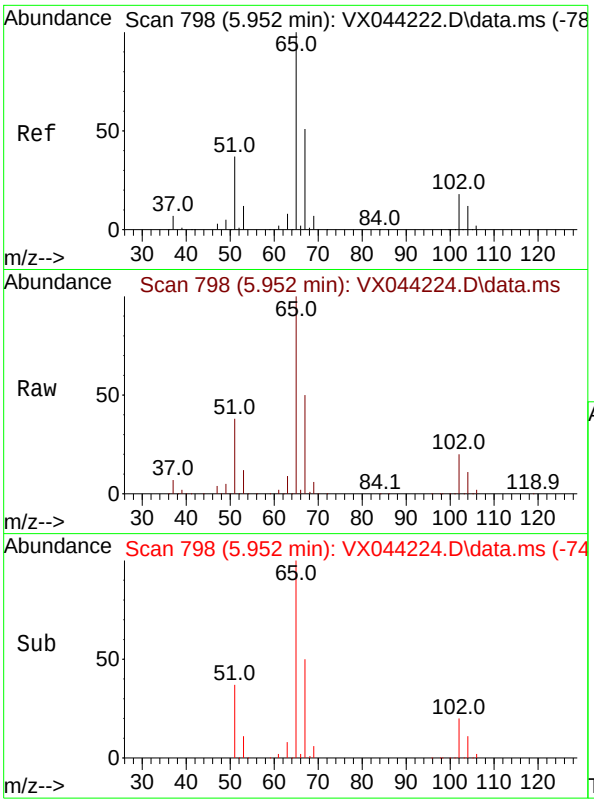




#32
1,1,1-Trichloroethane
Concen: 161.073 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 97 Resp: 415253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 50.8 | 76.2 |
| 61 | 43.2 | 35.2 | 52.8 |



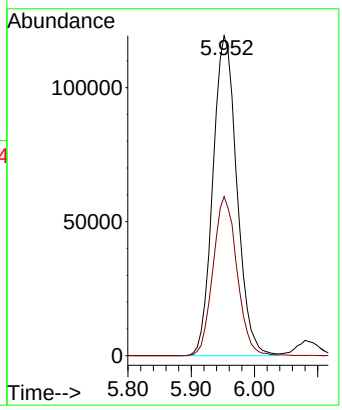


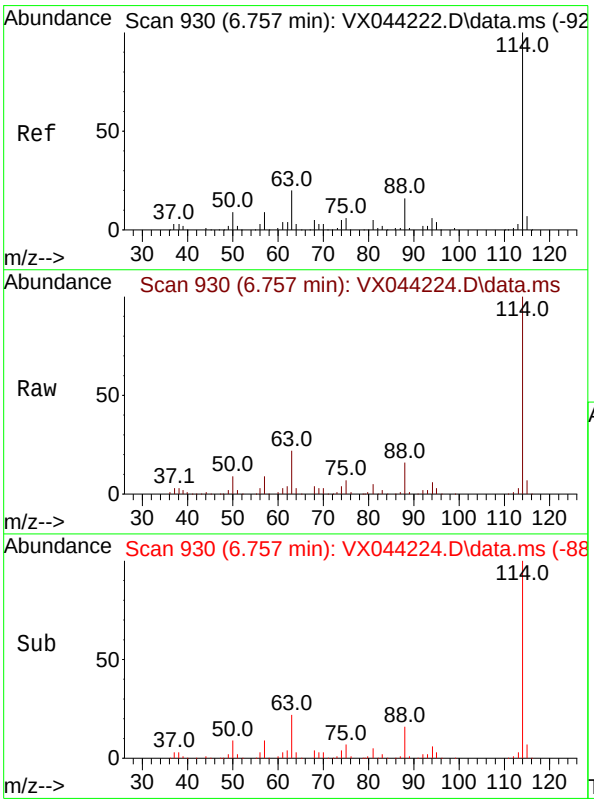

#33
1,2-Dichloroethane-d4
Concen: 151.956 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 65 Resp: 314272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 101.6 |

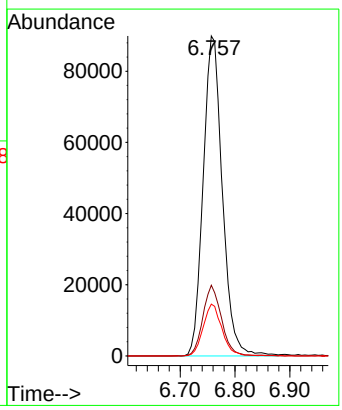


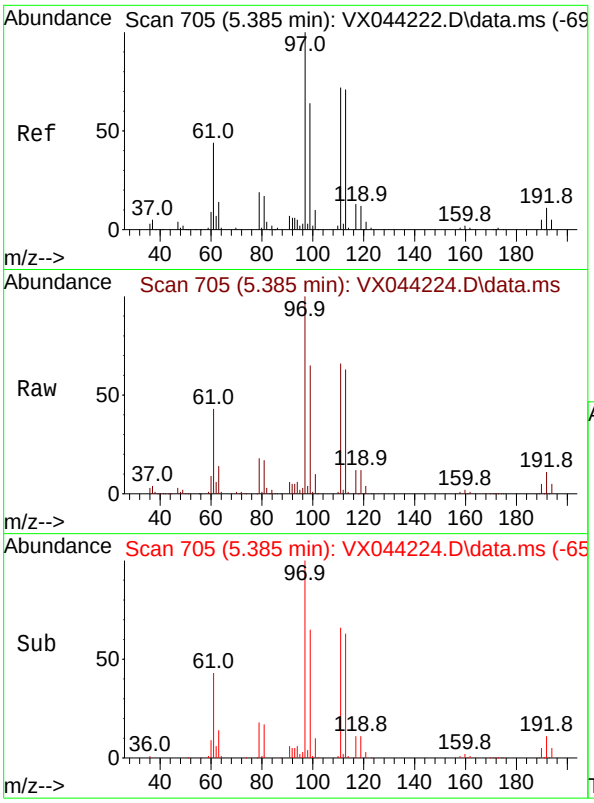




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:114 Resp: 218610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 40.6 |
| 88 | 16.2 | 0.0 | 31.8 |



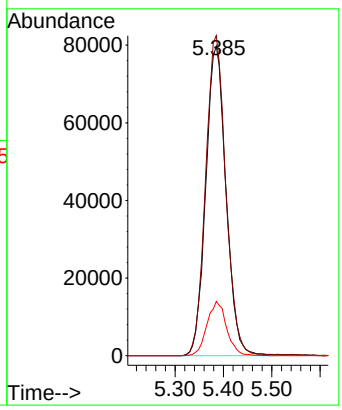


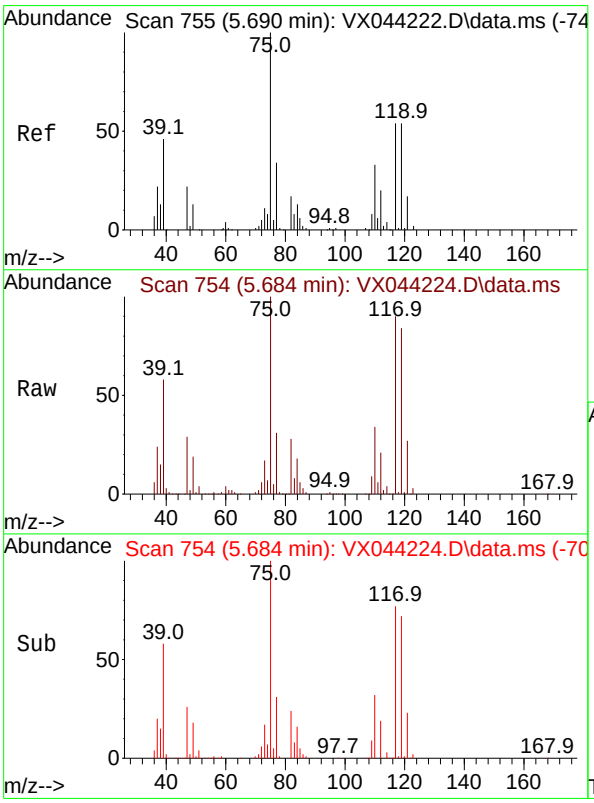

#35
Dibromofluoromethane
Concen: 153.188 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:113 Resp: 231937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.1 | 80.4 | 120.6 |
| 192 | 17.0 | 13.3 | 19.9 |

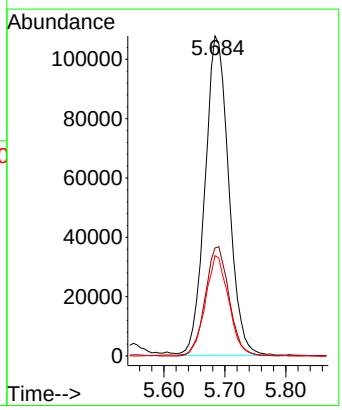


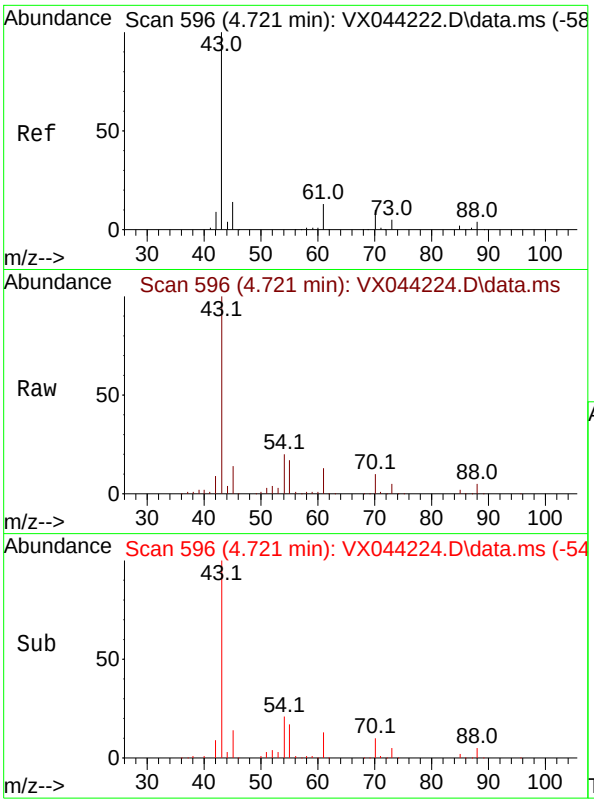




#36
1,1-Dichloropropene
Concen: 148.642 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 290913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.3 | 51.7 |
| 77 | 31.1 | 25.4 | 38.0 |



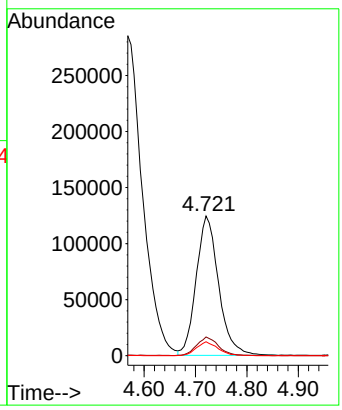


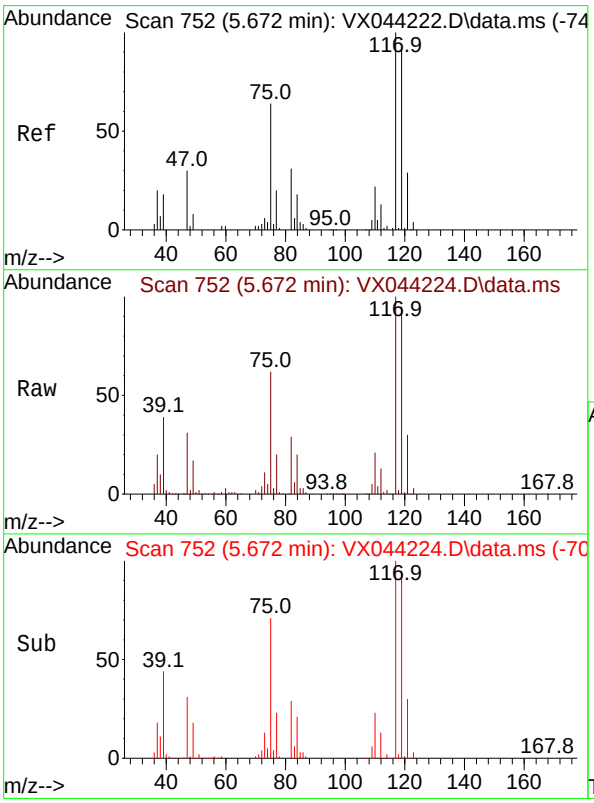

#37
Ethyl Acetate
Concen: 155.731 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 376757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 9.8 | 14.8 |
| 70 | 9.6 | 7.7 | 11.5 |

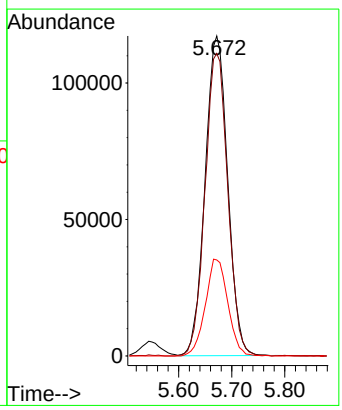


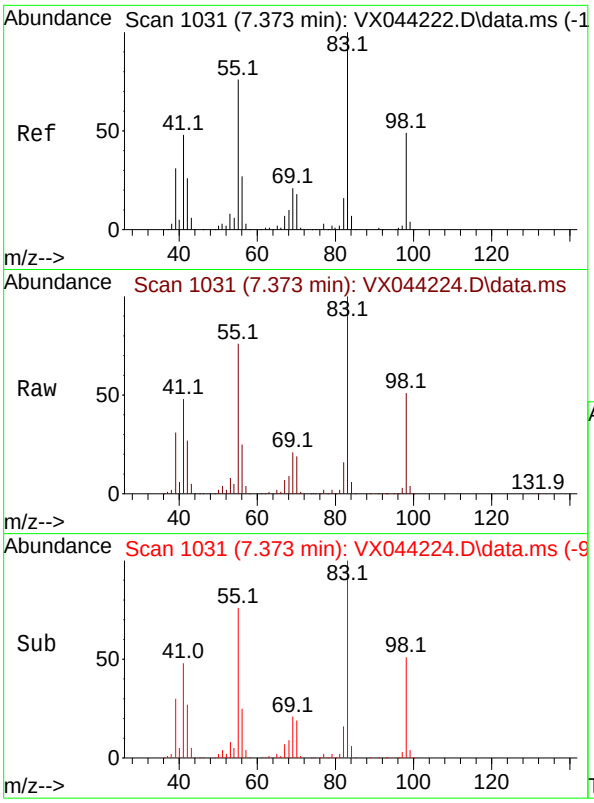




#38
Carbon Tetrachloride
Concen: 164.587 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:117 Resp: 346795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.6 | 74.2 | 111.4 |
| 121 | 30.1 | 23.0 | 34.6 |



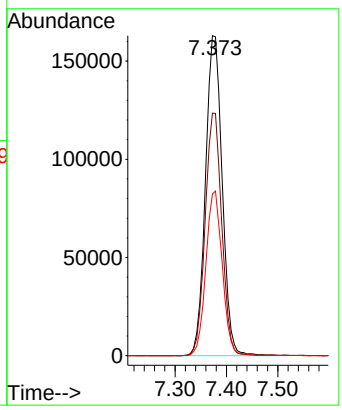


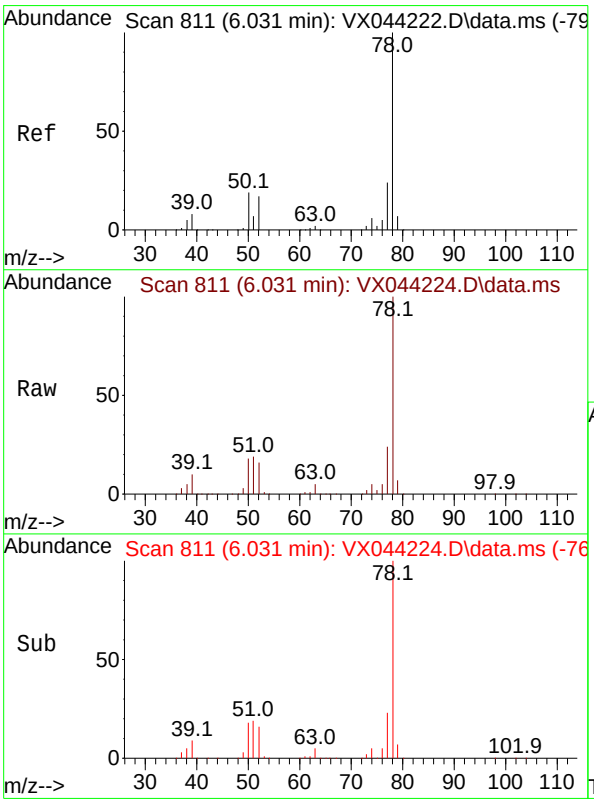

#39
Methylcyclohexane
Concen: 157.516 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 368542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.8 | 60.7 | 91.1 |
| 98 | 50.5 | 38.9 | 58.3 |

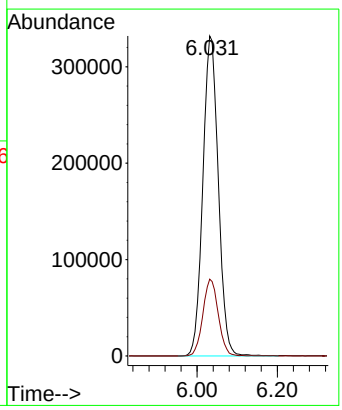


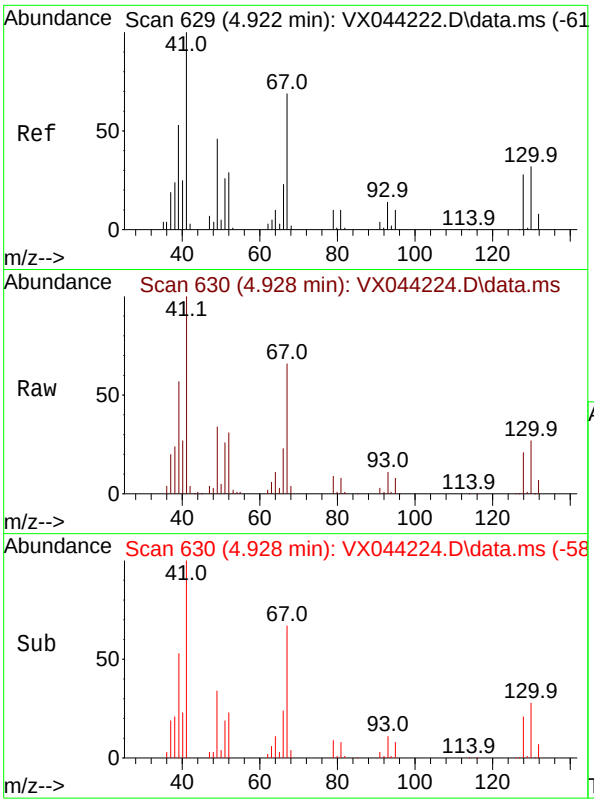




#40
Benzene
Concen: 149.340 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 78 Resp: 887413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.3 | 28.9 |



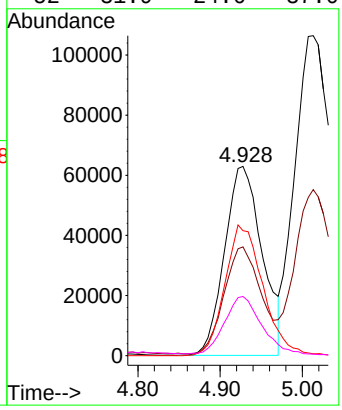


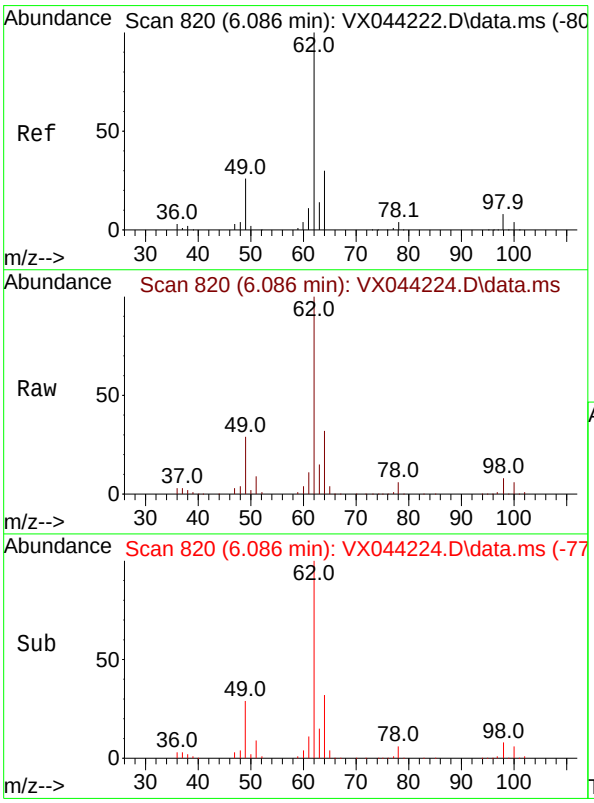

#41
Methacrylonitrile
Concen: 155.569 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 41 Resp: 199851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.5 | 44.2 | 66.4 |
| 67 | 70.2 | 57.2 | 85.8 |
| 52 | 31.9 | 24.6 | 37.0 |

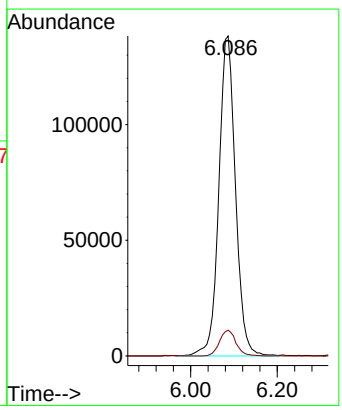


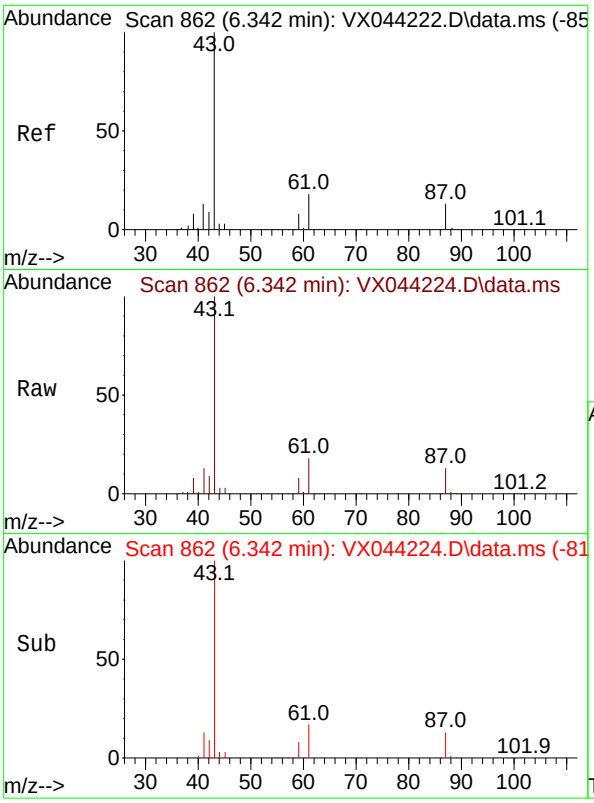




#42
1,2-Dichloroethane
Concen: 151.105 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 62 Resp: 369874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.0 | 0.0 | 15.8 |



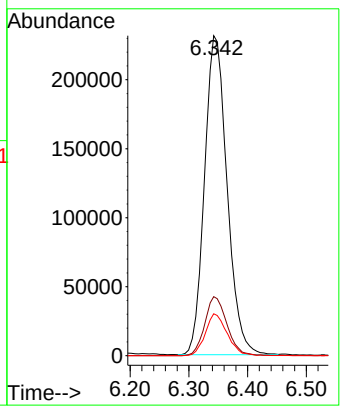


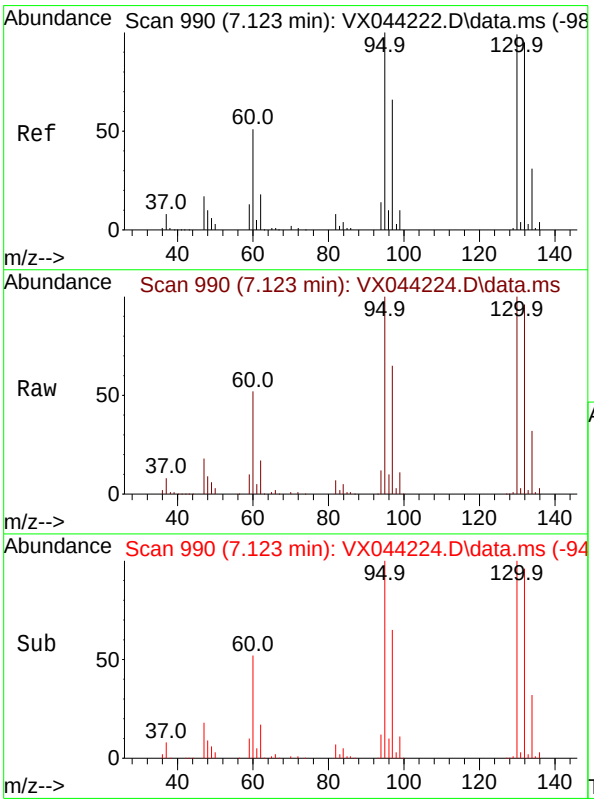

#43
Isopropyl Acetate
Concen: 163.200 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 617107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.2 | 14.2 | 21.2 |
| 87 | 12.8 | 10.2 | 15.2 |

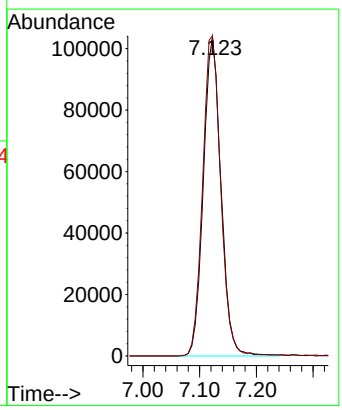


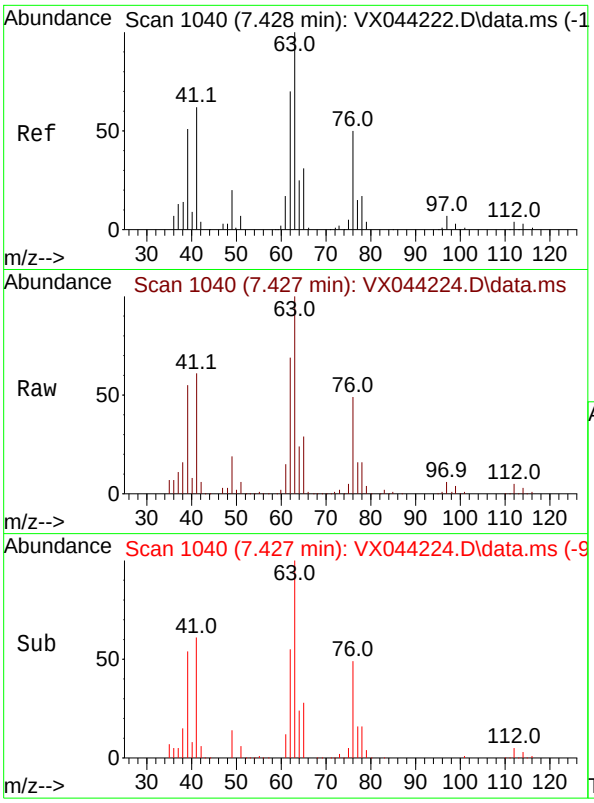




#44
Trichloroethene
Concen: 151.275 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:130 Resp: 224164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.3 | 0.0 | 201.4 |



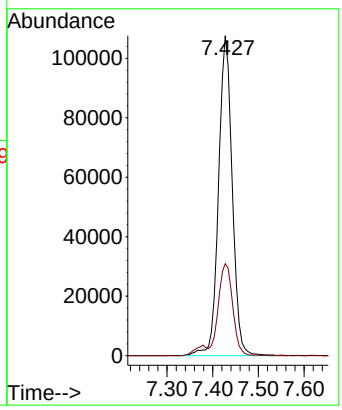


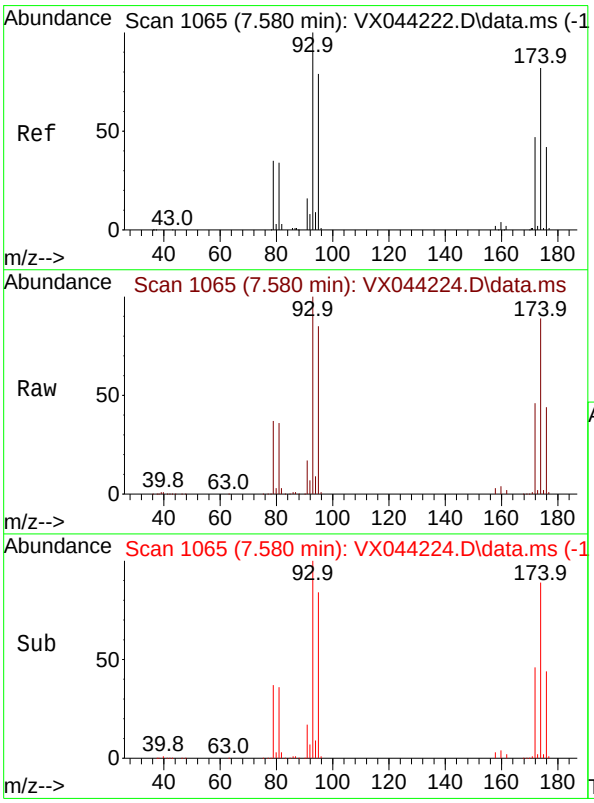

#45
1,2-Dichloropropane
Concen: 147.697 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 63 Resp: 224224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.8 | 24.6 | 37.0 |

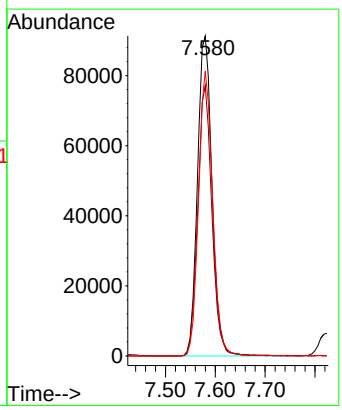


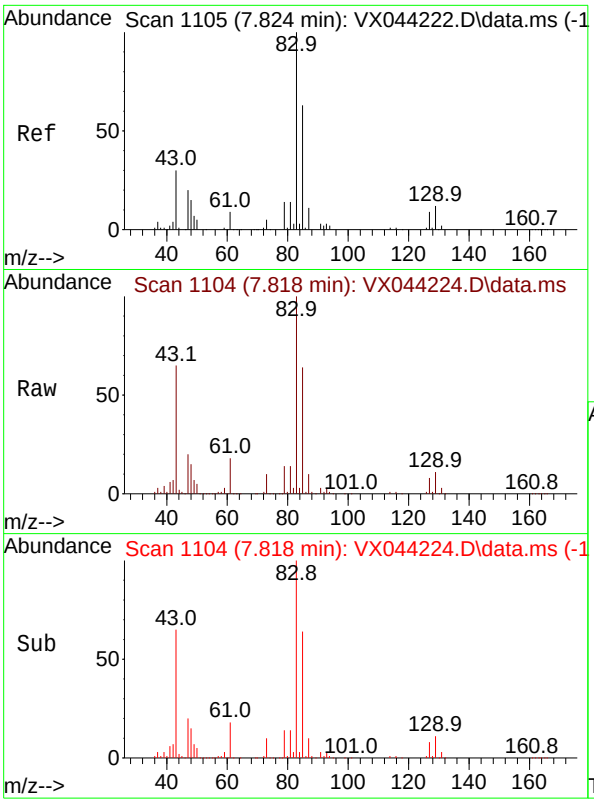




#46
Dibromomethane
Concen: 156.728 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 93 Resp: 184590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 65.4 | 98.2 |
| 174 | 86.7 | 67.9 | 101.9 |



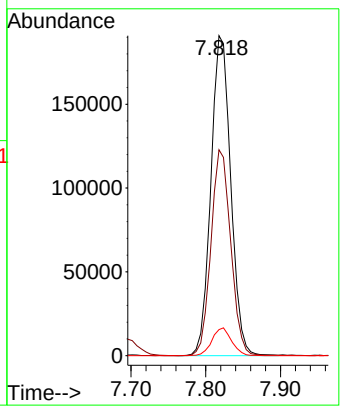


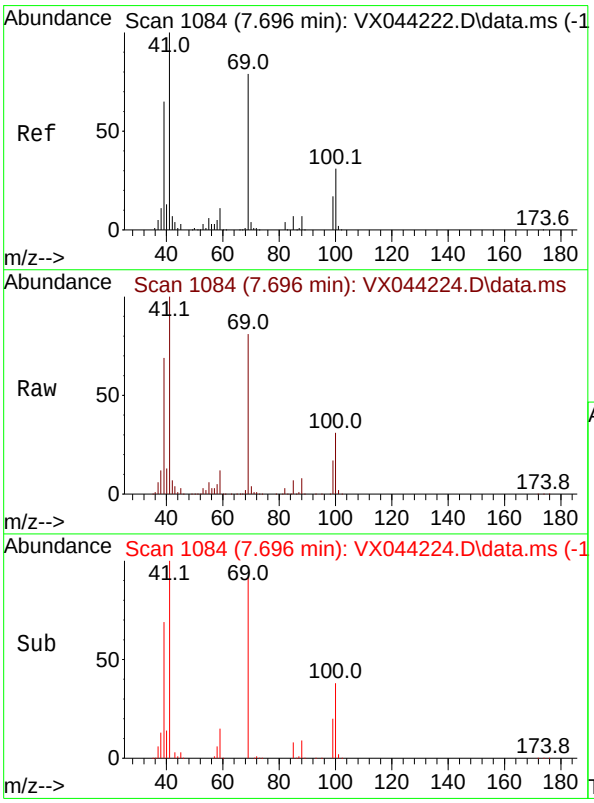

#47
Bromodichloromethane
Concen: 173.496 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 352904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 50.6 | 75.8 |
| 127 | 8.1 | 7.3 | 10.9 |

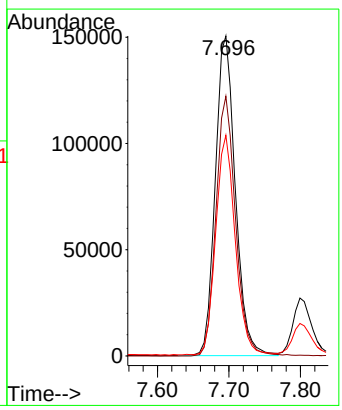


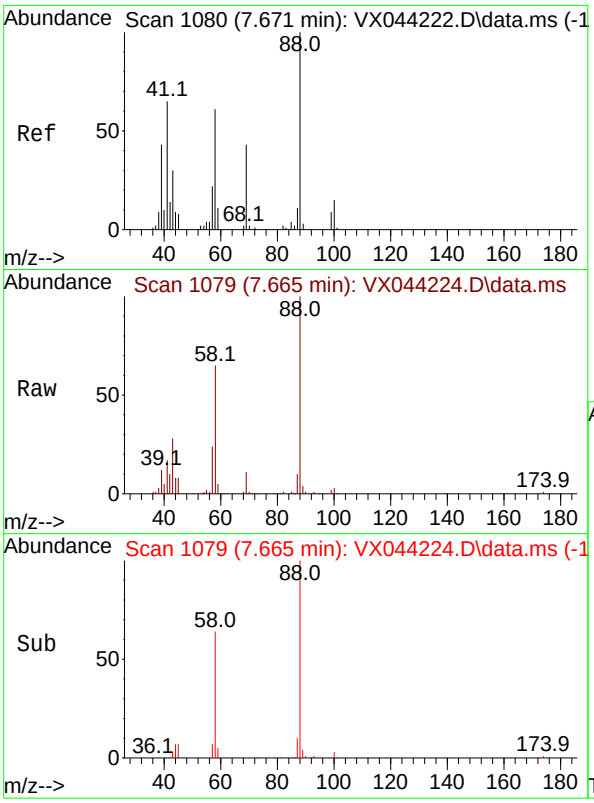




#48
Methyl methacrylate
Concen: 159.567 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 292890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.0 | 62.4 | 93.6 |
| 39 | 67.8 | 53.3 | 79.9 |





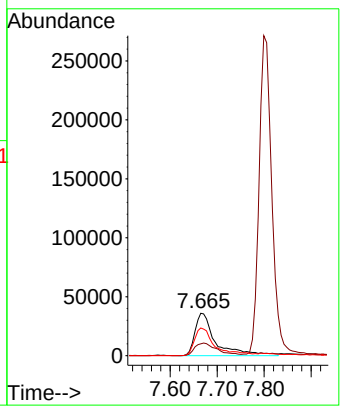

#49
1,4-Dioxane
Concen: 3539.235 ug/l
RT: 7.665 min Scan# 1

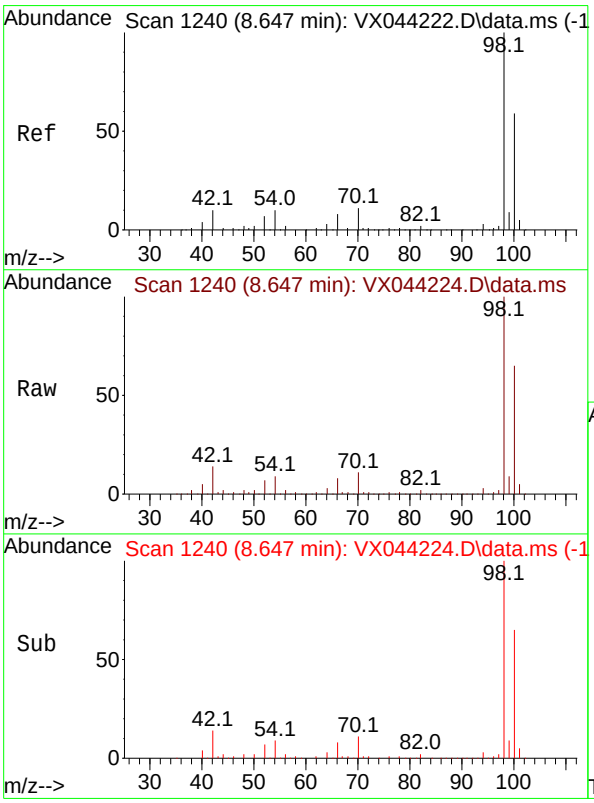
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 88 Resp: 111023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 32.0 | 27.1 | 40.7 |
| 58 | 63.3 | 41.0 | 61.4# |

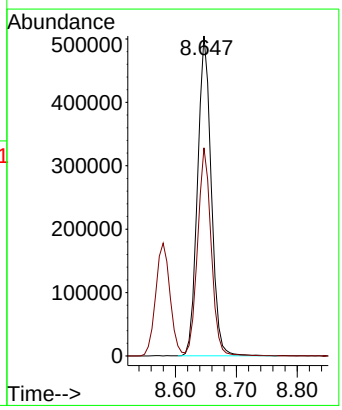


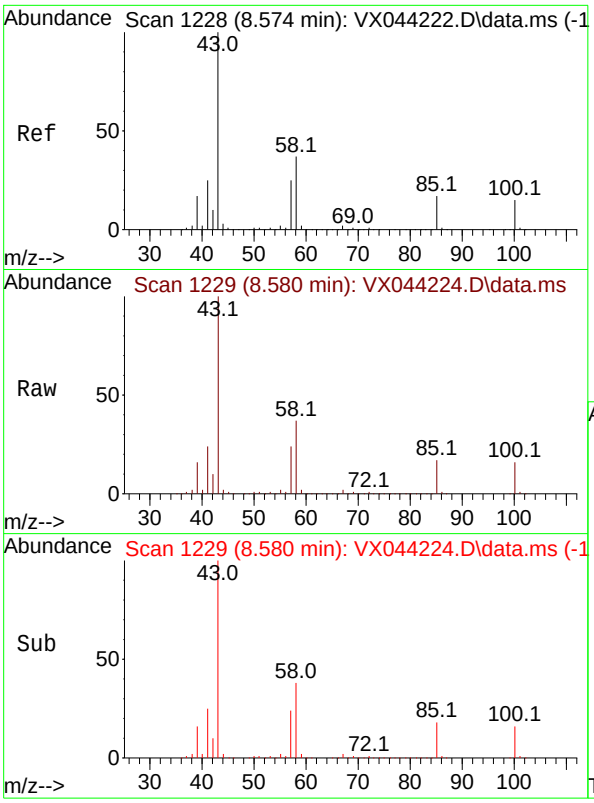




#50
Toluene-d8
Concen: 154.438 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 98 Resp: 788876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 51.5 | 77.3 |



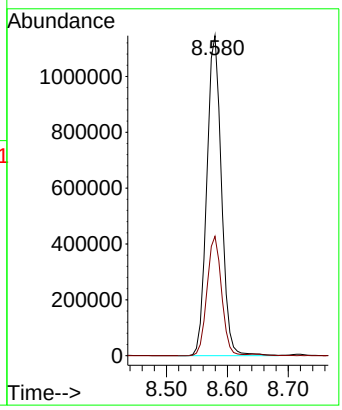


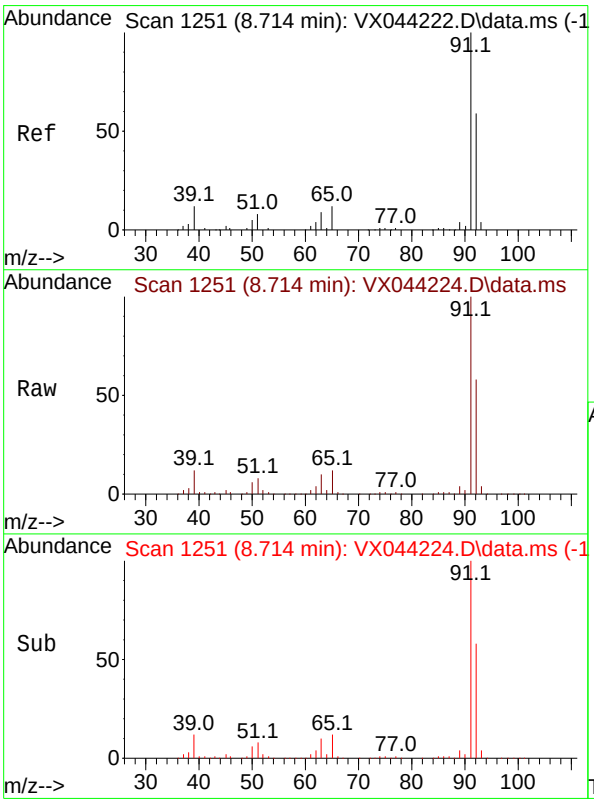

#51
4-Methyl-2-Pentanone
Concen: 784.573 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1907523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.1 | 29.4 | 44.0 |

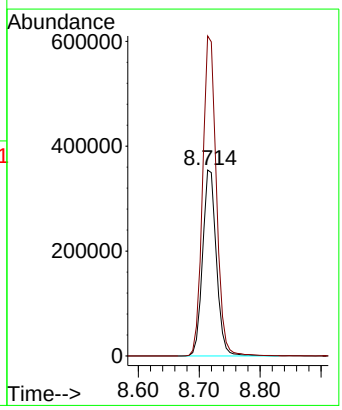


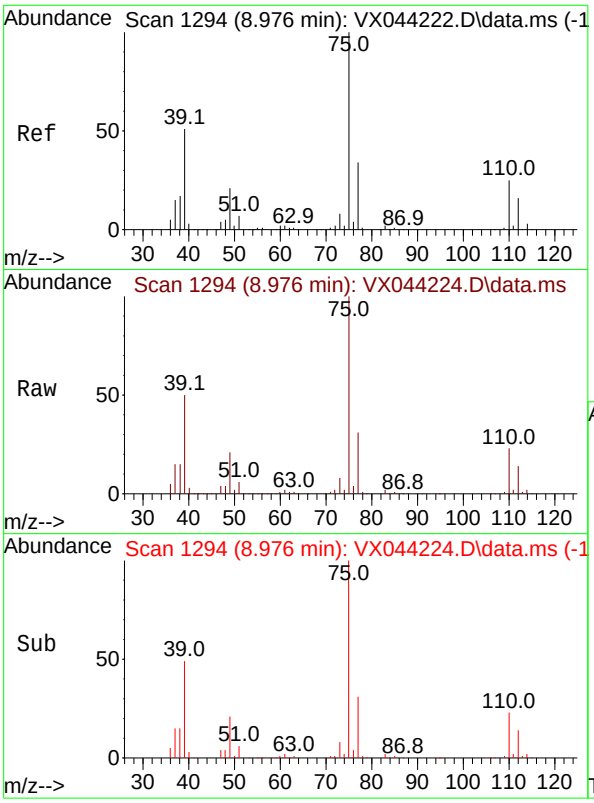




#52
Toluene
Concen: 149.294 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 92 Resp: 557102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 137.0 | 205.6 |



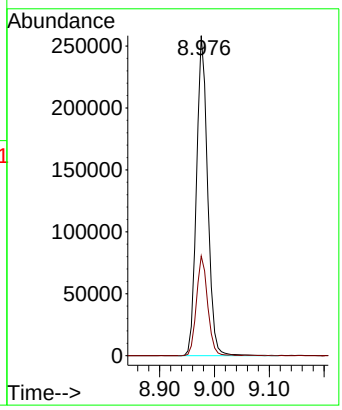


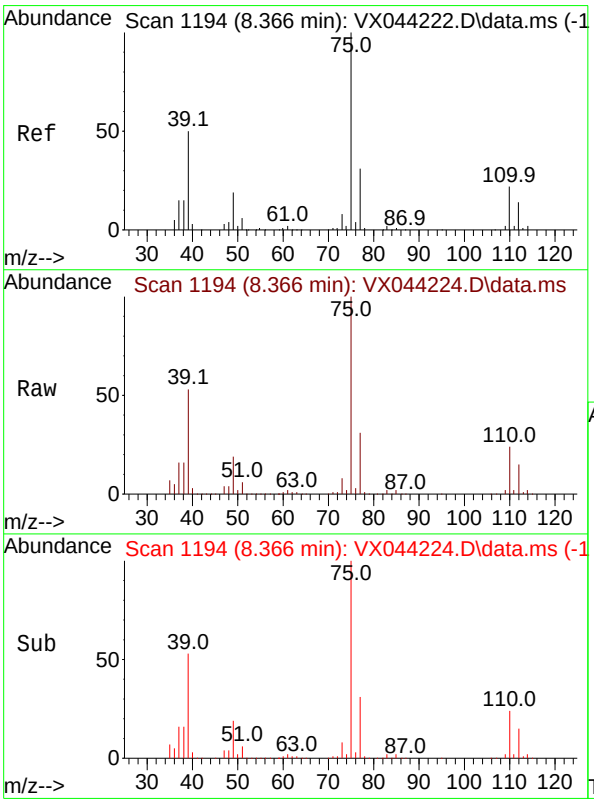

#53
t-1,3-Dichloropropene
Concen: 150.167 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 366275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 27.2 | 40.8 |

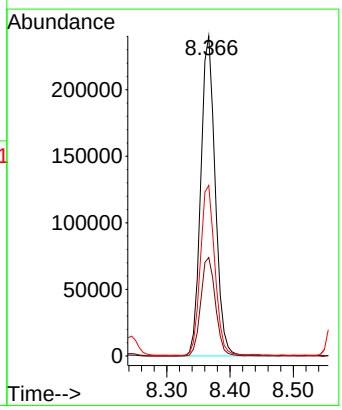


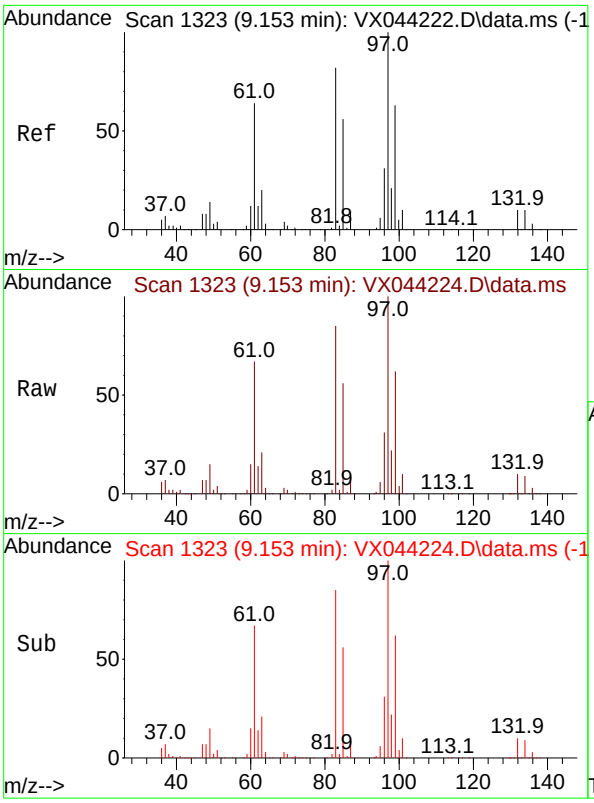




#54
cis-1,3-Dichloropropene
Concen: 172.581 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 382226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 24.7 | 37.1 |
| 39 | 53.1 | 40.3 | 60.5 |



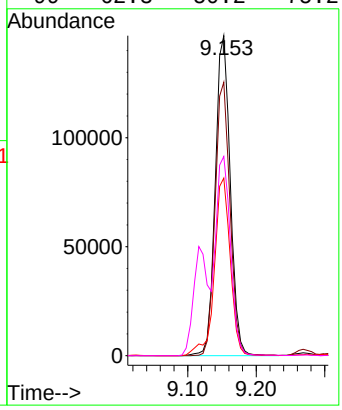


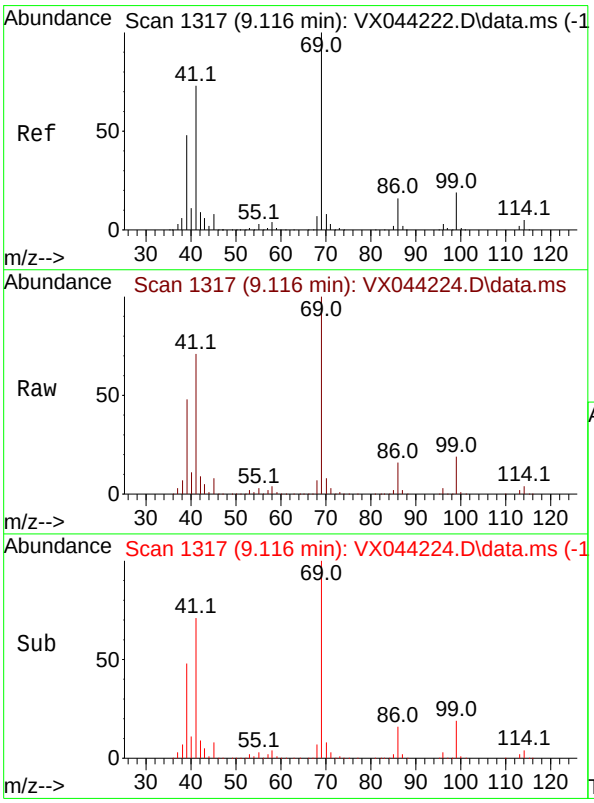

#55
1,1,2-Trichloroethane
Concen: 150.202 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 97 Resp: 222665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.5 | 65.3 | 97.9 |
| 85 | 55.5 | 44.6 | 67.0 |
| 99 | 62.3 | 50.2 | 75.2 |

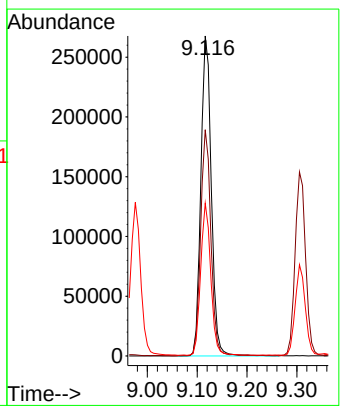


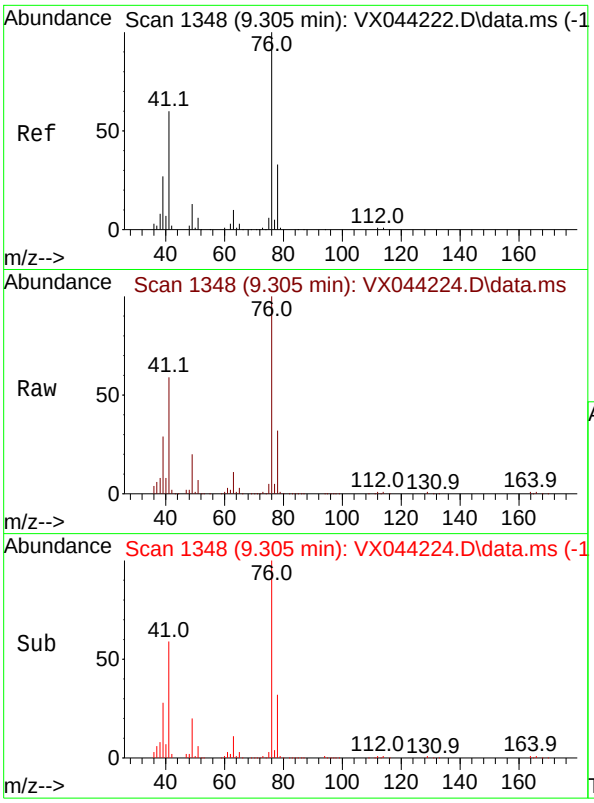




#56
Ethyl methacrylate
Concen: 166.289 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 69 Resp: 389165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.4 | 56.6 | 85.0 |
| 39 | 46.2 | 37.4 | 56.0 |



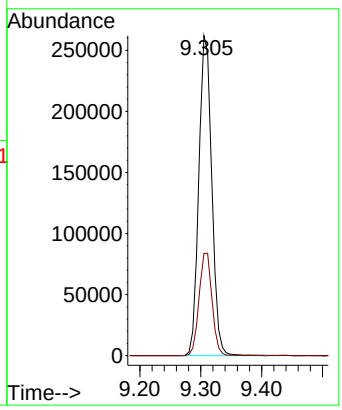


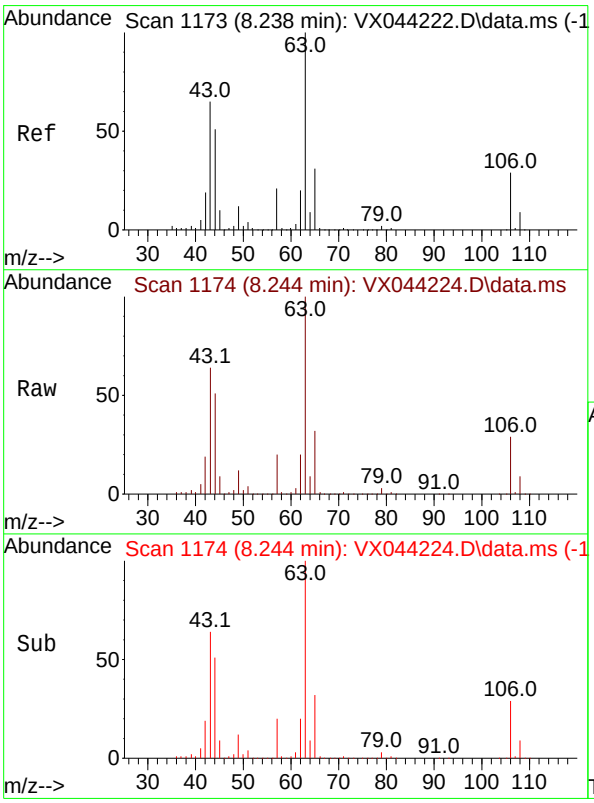

#57
1,3-Dichloropropane
Concen: 150.014 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 387086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.5 | 39.7 |

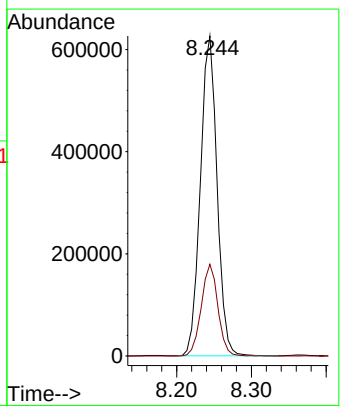


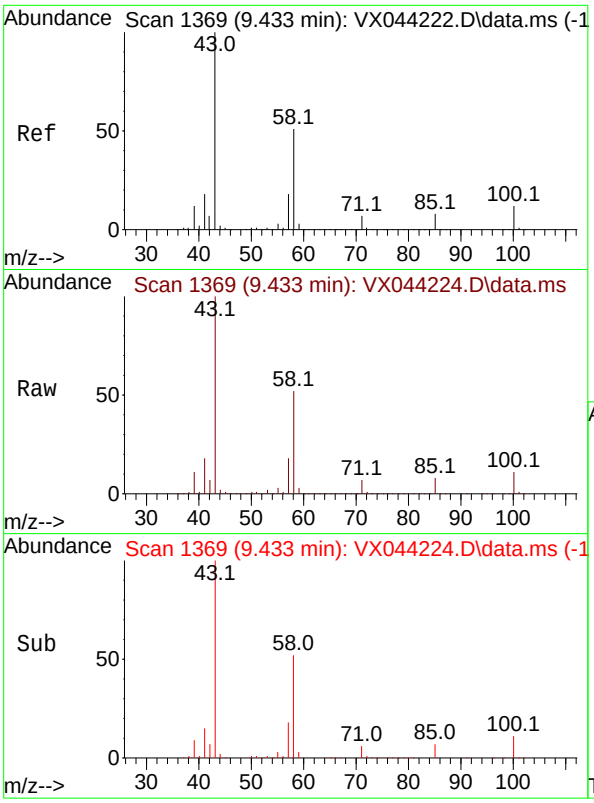




#58
2-Chloroethyl Vinyl ether
Concen: 822.575 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 970949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.5 | 22.8 | 34.2 |



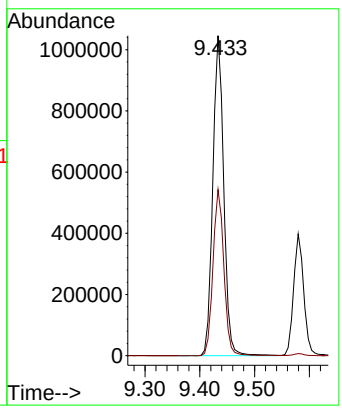


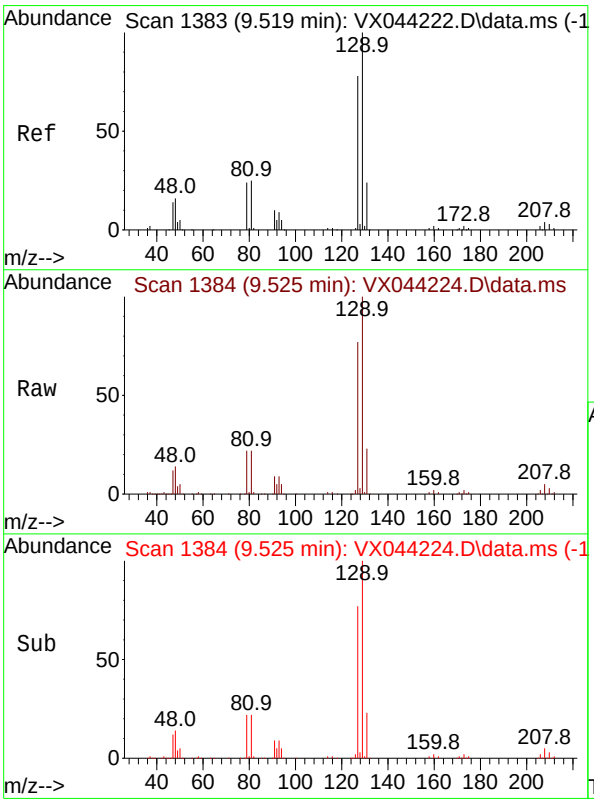

#59
2-Hexanone
Concen: 816.161 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1436300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.0 | 25.7 | 77.0 |

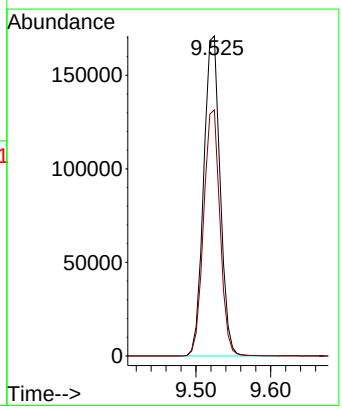


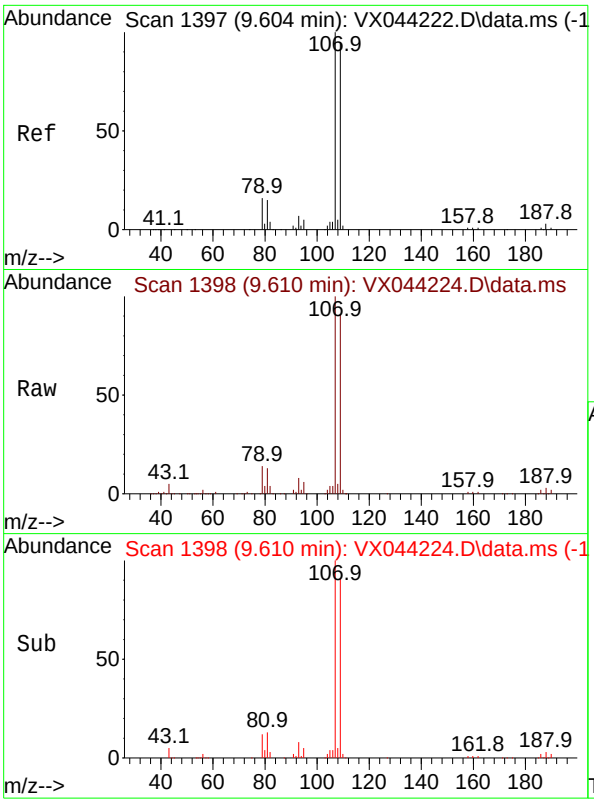




#60
Dibromochloromethane
Concen: 150.105 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:129 Resp: 261253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.5 | 38.5 | 115.3 |



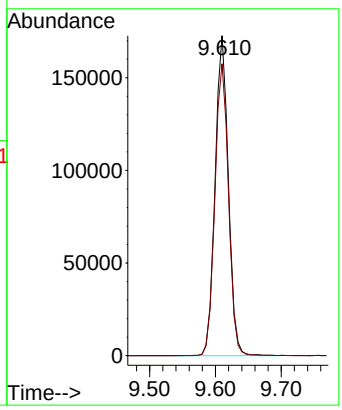


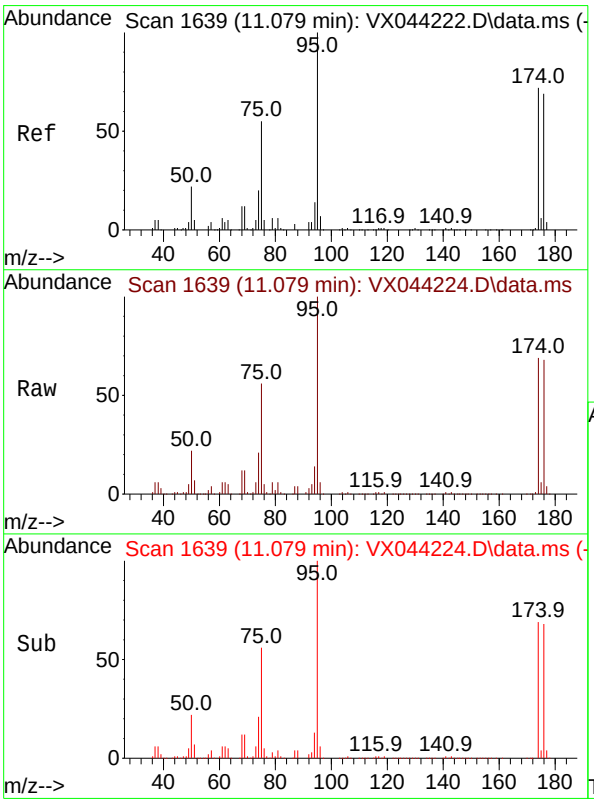

#61
1,2-Dibromoethane
Concen: 160.674 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:107 Resp: 242451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.4 | 77.0 | 115.4 |

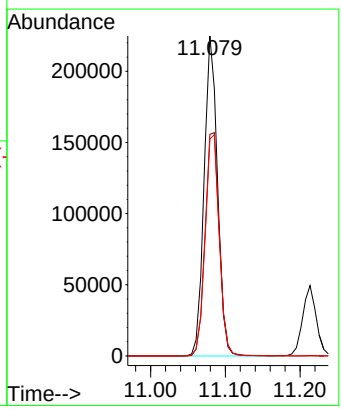


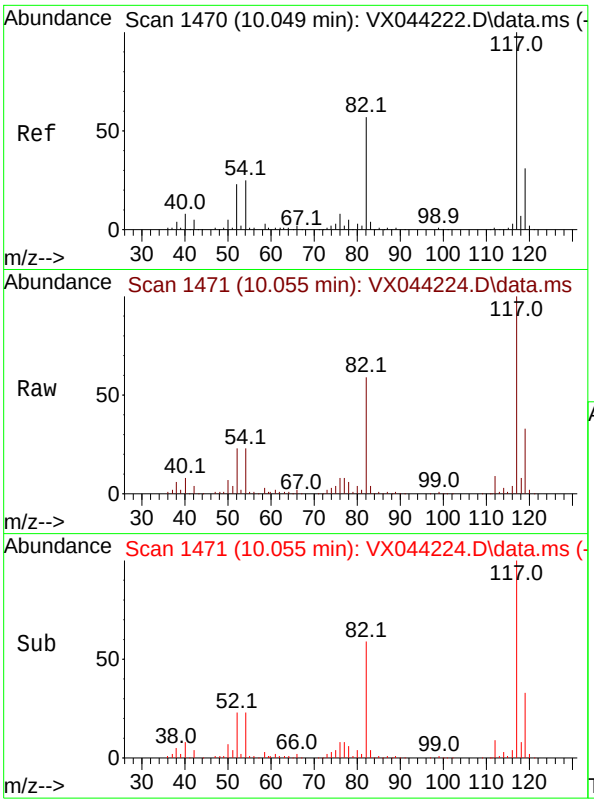




#62
4-Bromofluorobenzene
Concen: 156.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 95 Resp: 279706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.1 | 0.0 | 145.8 |
| 176 | 72.6 | 0.0 | 137.8 |



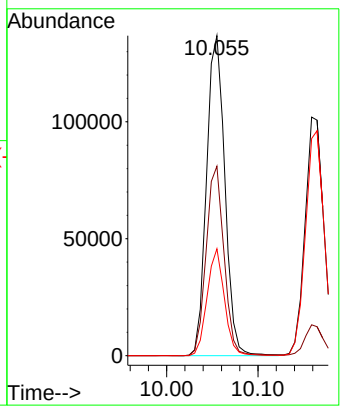


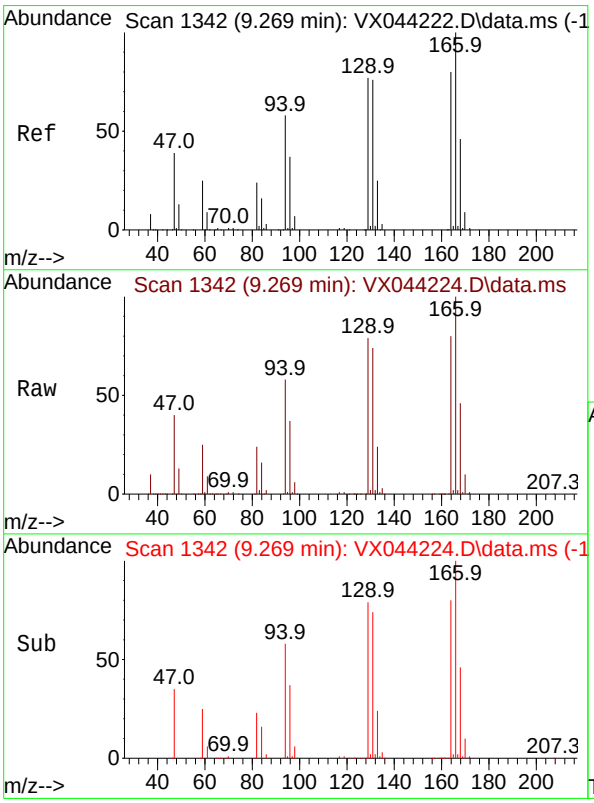

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:117 Resp: 190013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.2 | 45.8 | 68.8 |
| 119 | 33.4 | 25.0 | 37.4 |

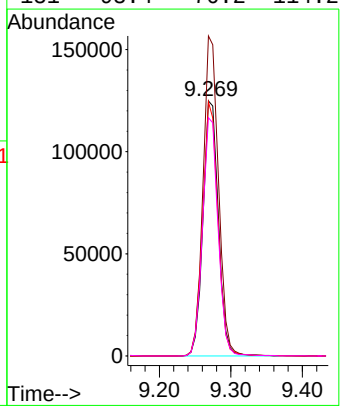


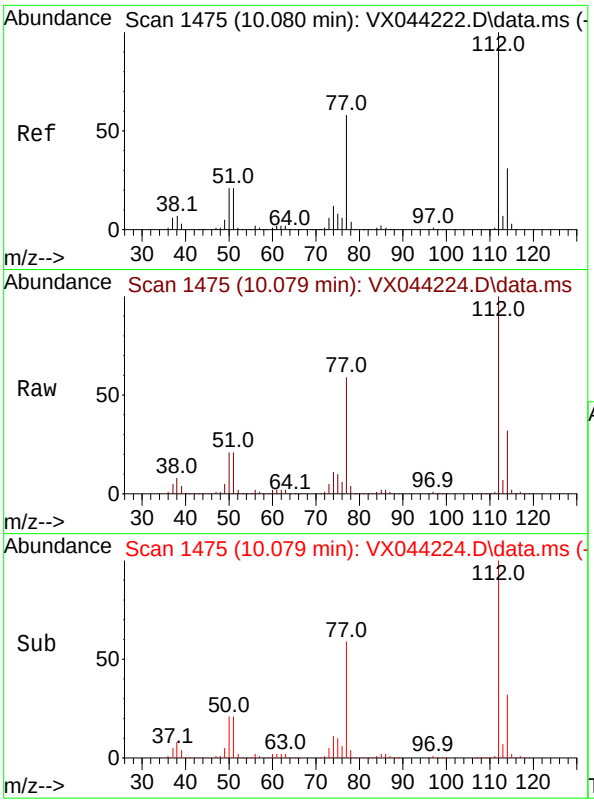




#64
Tetrachloroethene
Concen: 147.836 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:164 Resp: 186443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.5 | 100.4 | 150.6 |
| 129 | 99.7 | 77.2 | 115.8 |
| 131 | 93.4 | 76.2 | 114.2 |



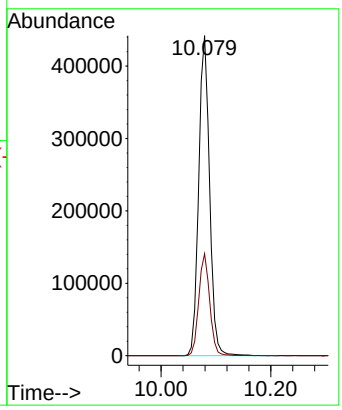


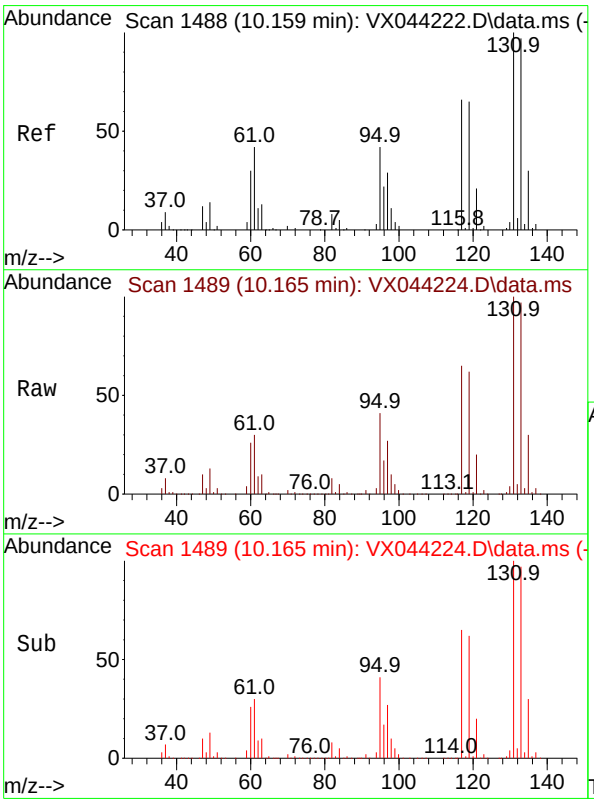

#65
Chlorobenzene
Concen: 149.428 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:112 Resp: 608404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.0 | 37.6 |

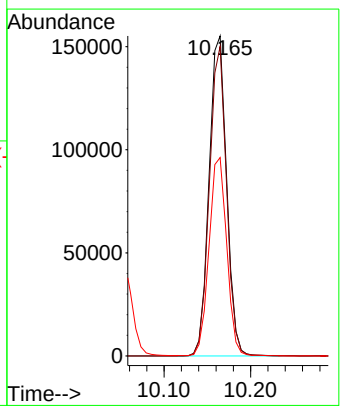


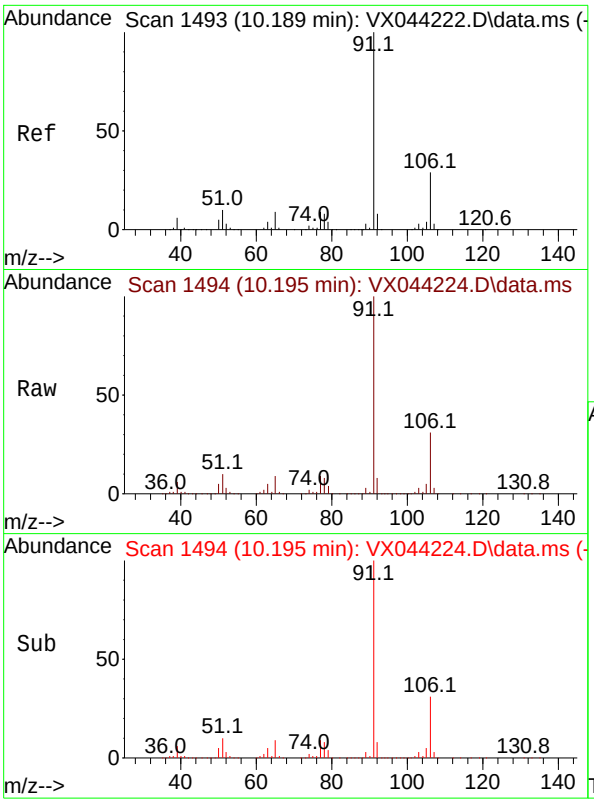




#66
1,1,1,2-Tetrachloroethane
Concen: 166.991 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:131 Resp: 218515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.8 |
| 119 | 62.7 | 31.6 | 95.0 |



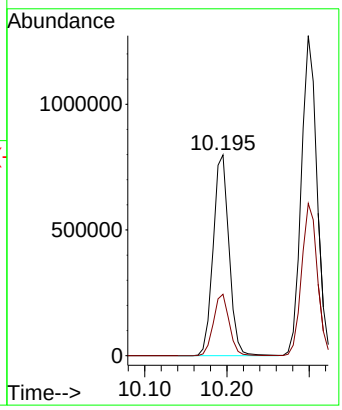


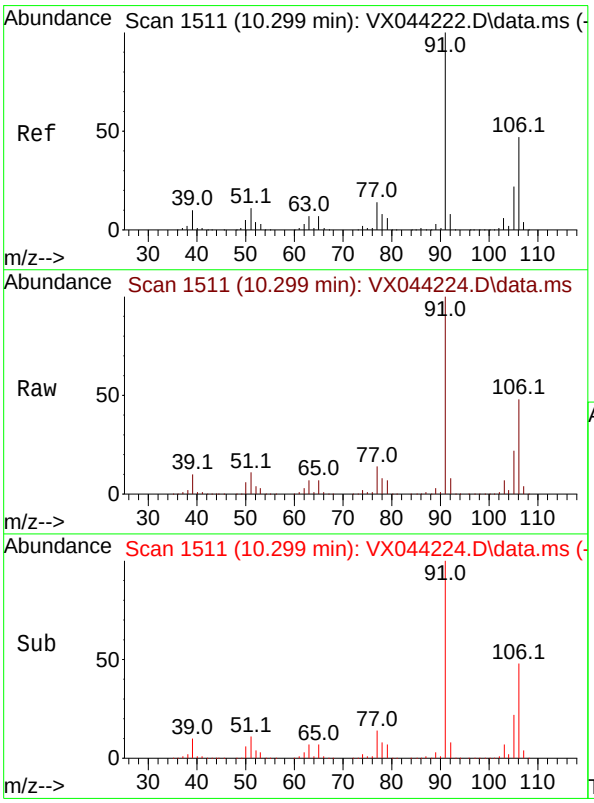

#67
Ethyl Benzene
Concen: 151.917 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 1068736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.5 | 35.3 |

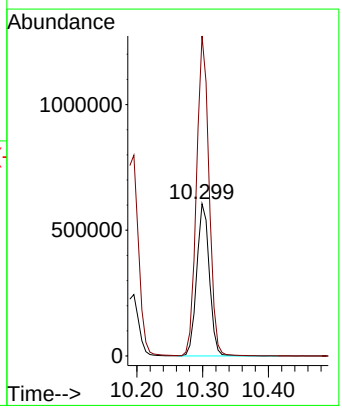


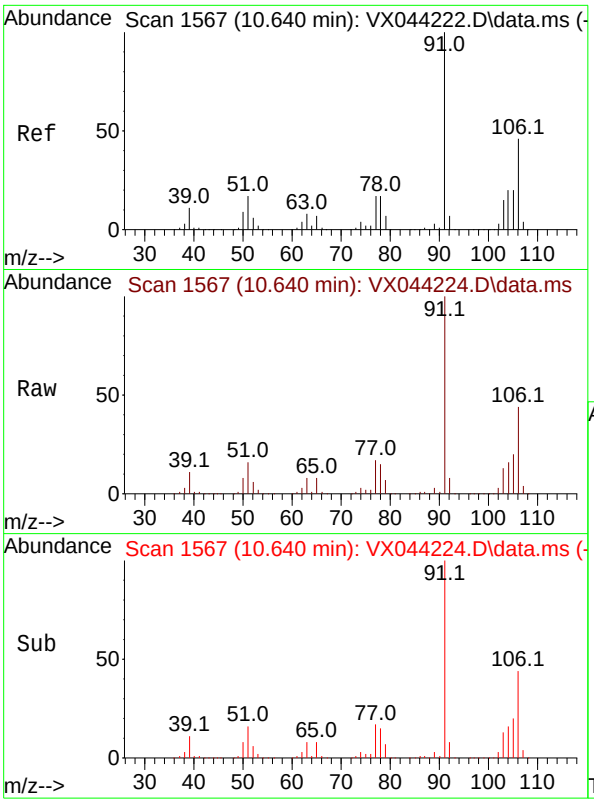




#68
m/p-Xylenes
Concen: 312.254 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:106 Resp: 806058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.8 | 170.2 | 255.2 |



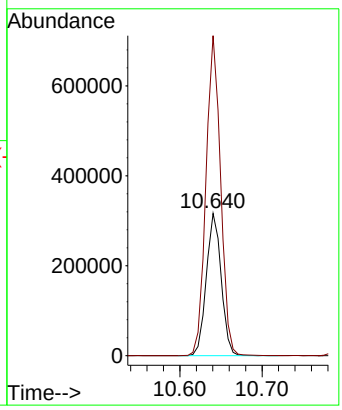


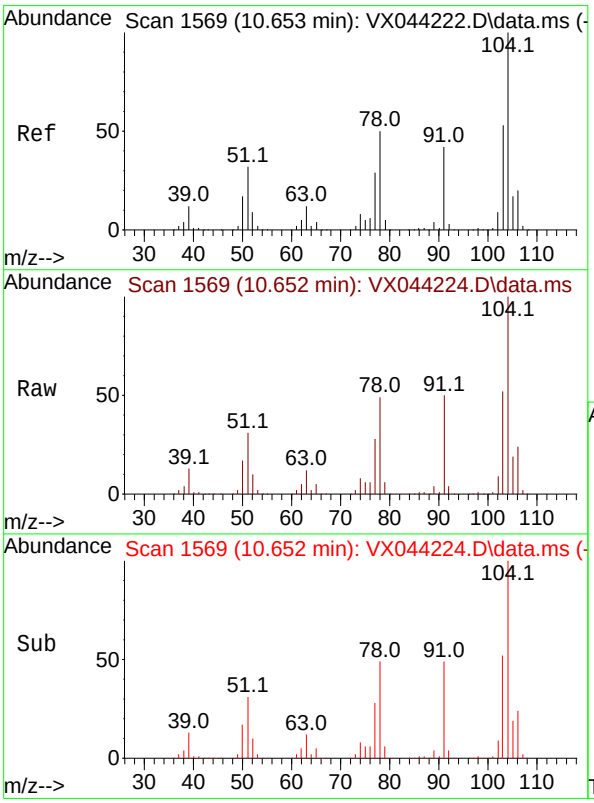

#69
o-Xylene
Concen: 152.030 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:106 Resp: 397084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.5 | 112.3 | 337.0 |

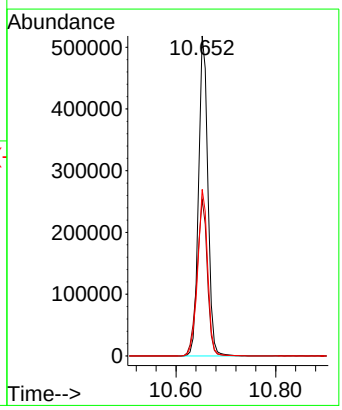


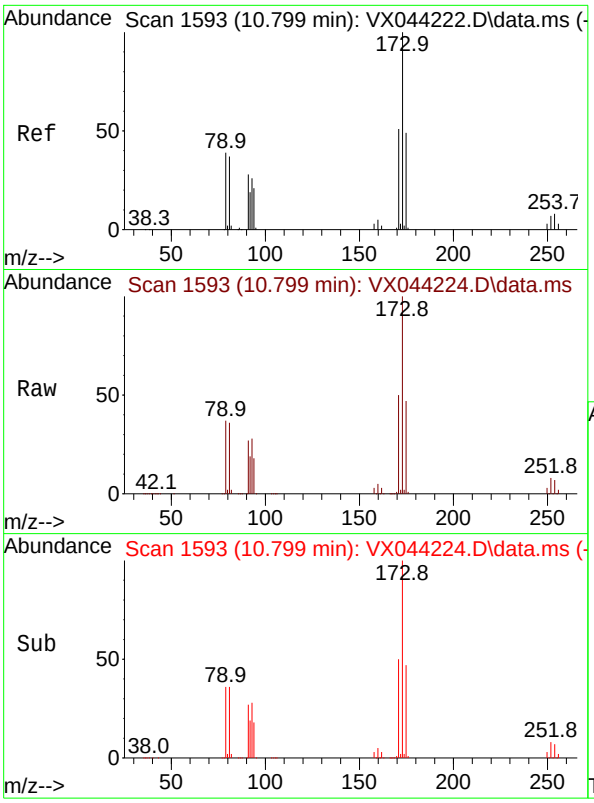




#70
Styrene
Concen: 160.228 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:104 Resp: 670887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.2 | 44.6 | 67.0 |
| 103 | 55.9 | 45.4 | 68.0 |



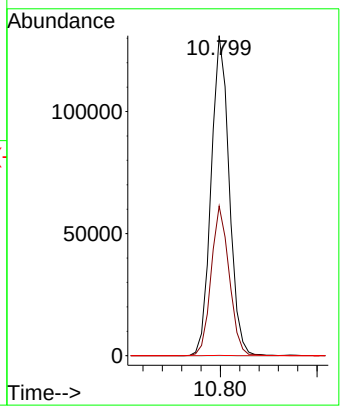


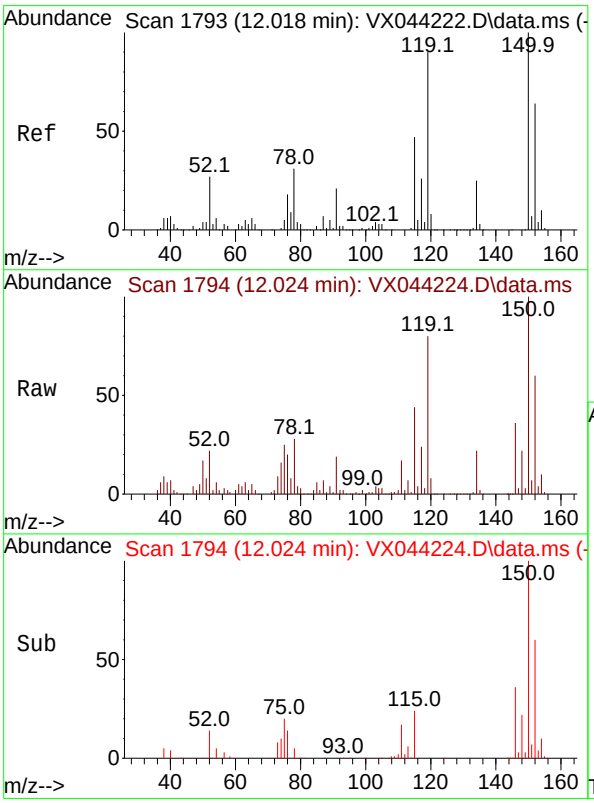

#71
Bromoform
Concen: 150.034 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:173 Resp: 169450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 23.8 | 71.4 |
| 254 | 0.1 | 0.0 | 0.0# |

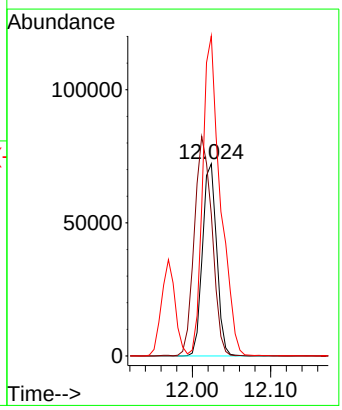


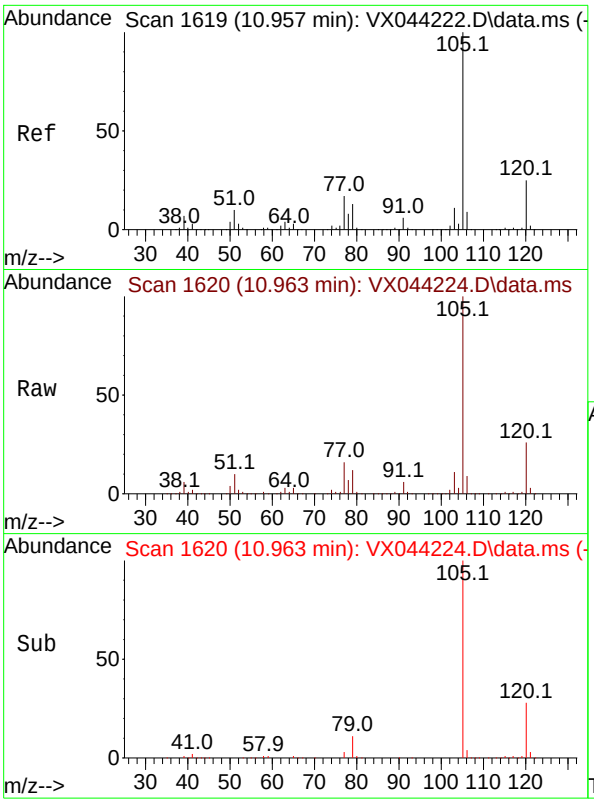




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:152 Resp: 90898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 142.2 | 44.5 | 133.3# |
| 150 | 208.8 | 0.0 | 353.8 |



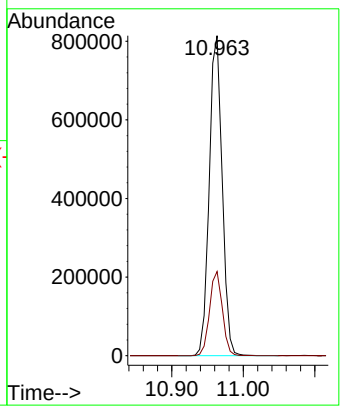


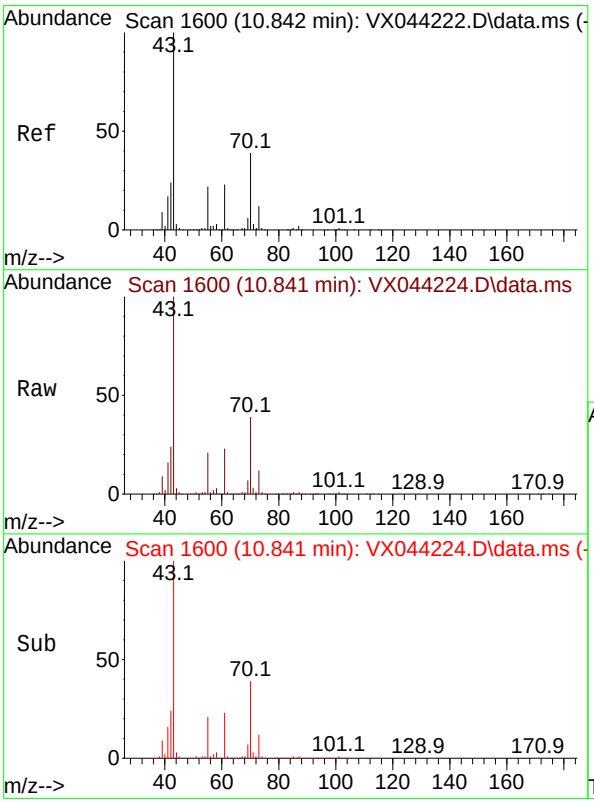

#73
Isopropylbenzene
Concen: 146.832 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1021749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.1 | 39.3 |

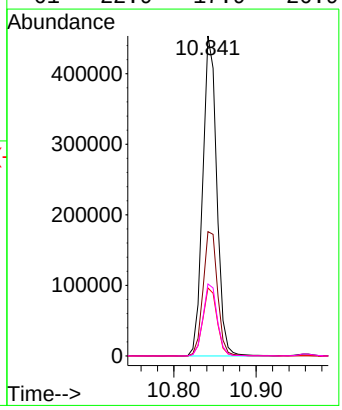


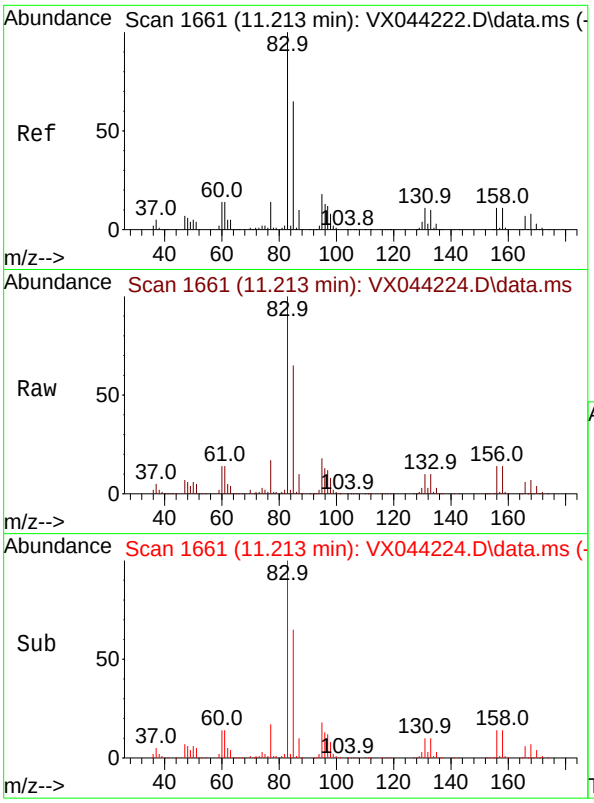




#74
N-amyl acetate
Concen: 166.823 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 536496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.3 | 31.9 | 47.9 |
| 55 | 21.6 | 17.9 | 26.9 |
| 61 | 22.9 | 17.9 | 26.9 |



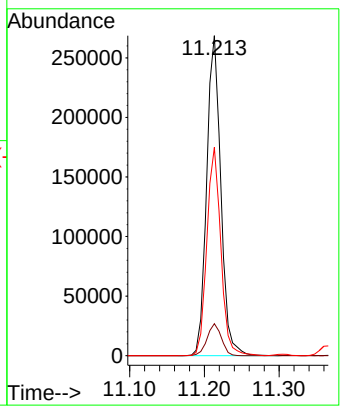


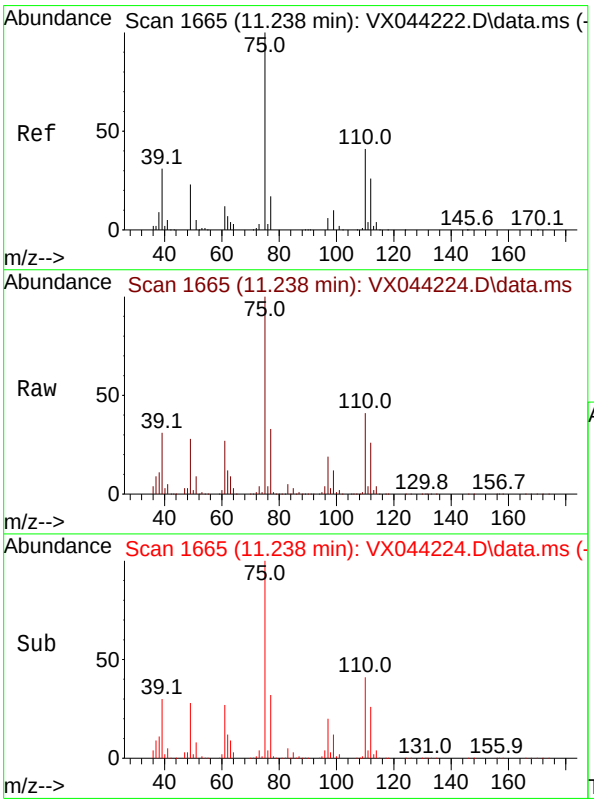

#75
1,1,2,2-Tetrachloroethane
Concen: 145.883 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 352591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.4 |
| 85 | 64.4 | 32.5 | 97.4 |

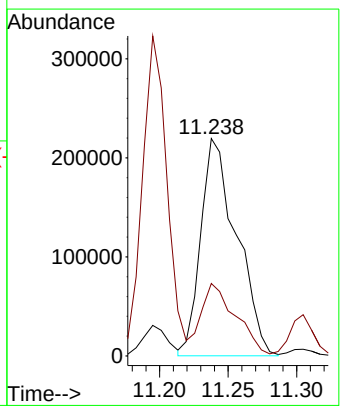


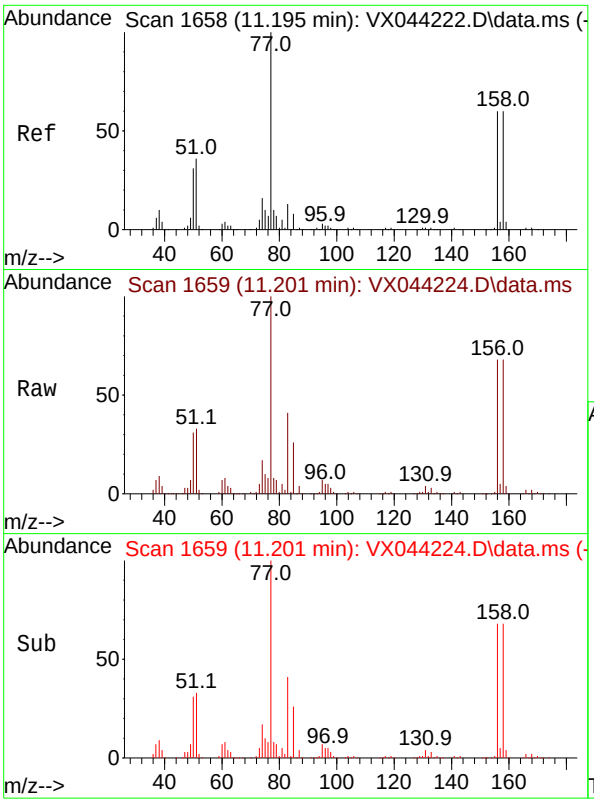




#76
1,2,3-Trichloropropane
Concen: 194.277 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 400724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 20.9 | 62.7 |



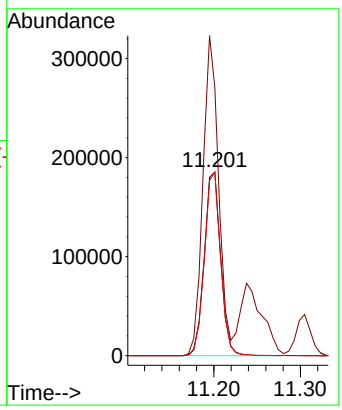


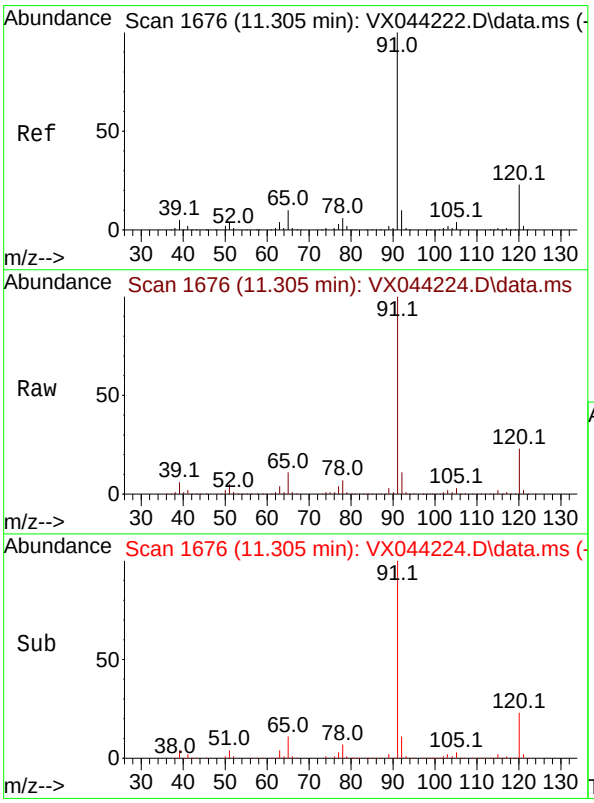

#77
Bromobenzene
Concen: 144.584 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:156 Resp: 243975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.5 | 82.6 | 247.8 |
| 158 | 98.2 | 48.8 | 146.4 |

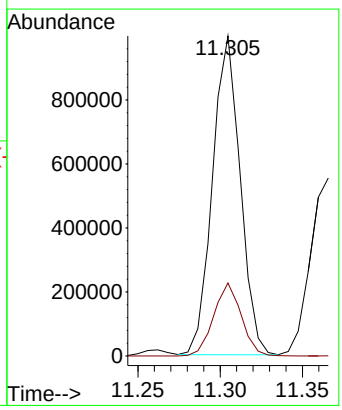


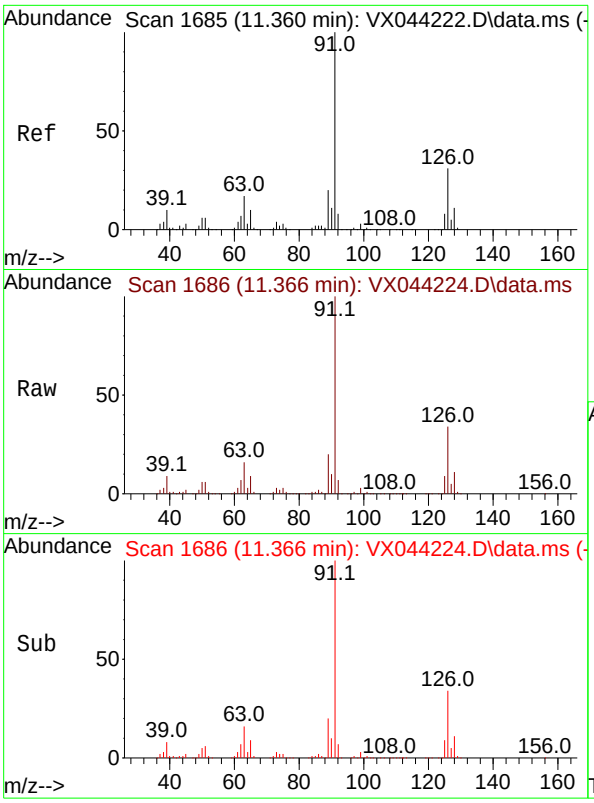




#78
n-propylbenzene
Concen: 151.637 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 1166255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.0 | 33.0 |



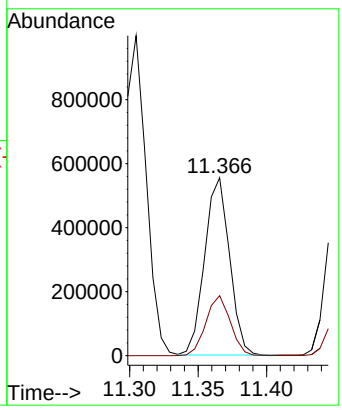


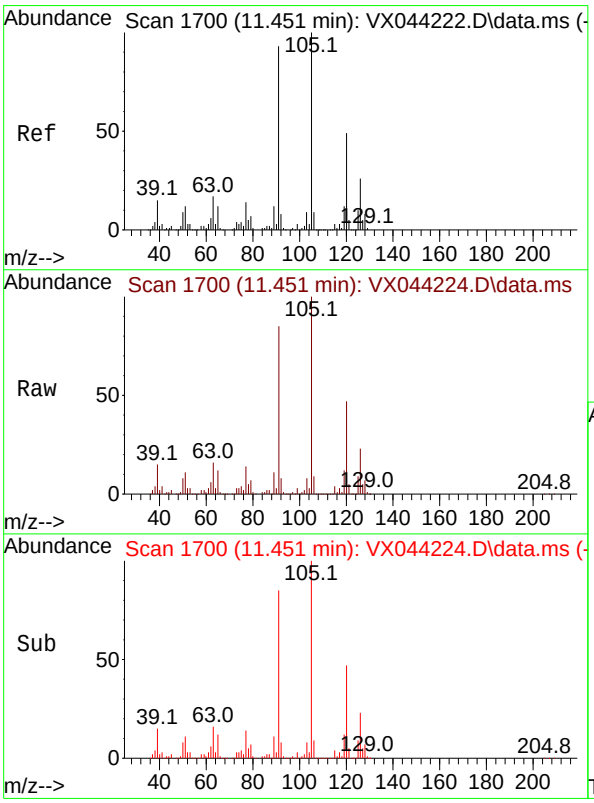

#79
2-Chlorotoluene
Concen: 140.866 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 700673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.4 | 49.1 |

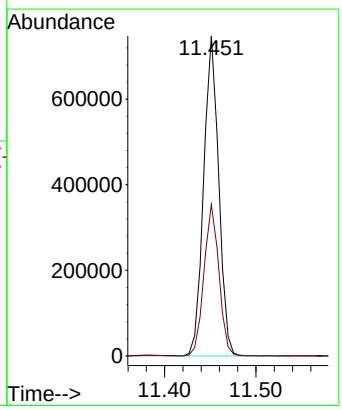


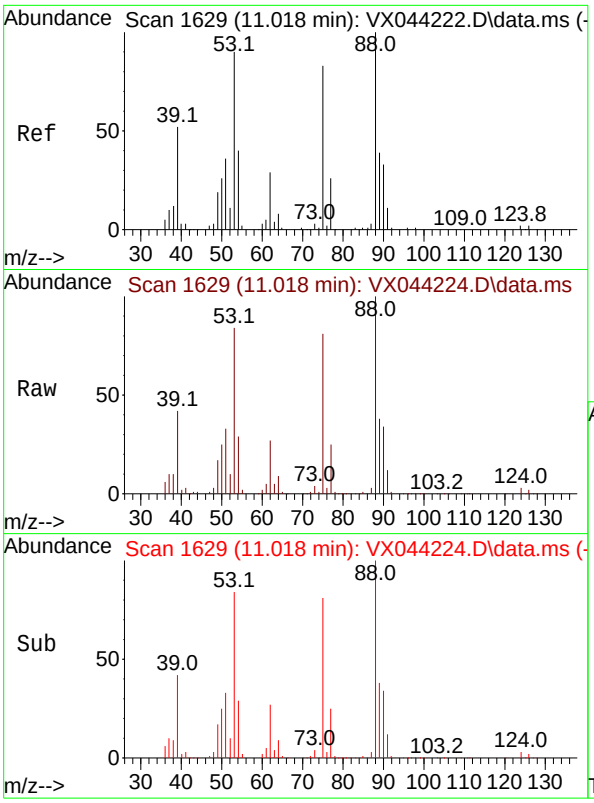




#80
1,3,5-Trimethylbenzene
Concen: 147.824 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 853042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.8 | 23.8 | 71.4 |



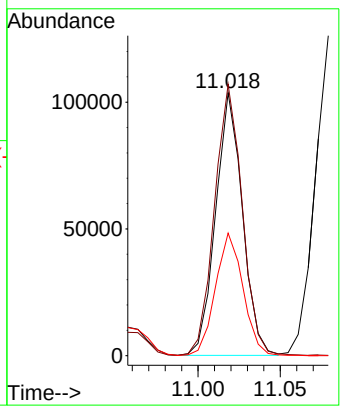


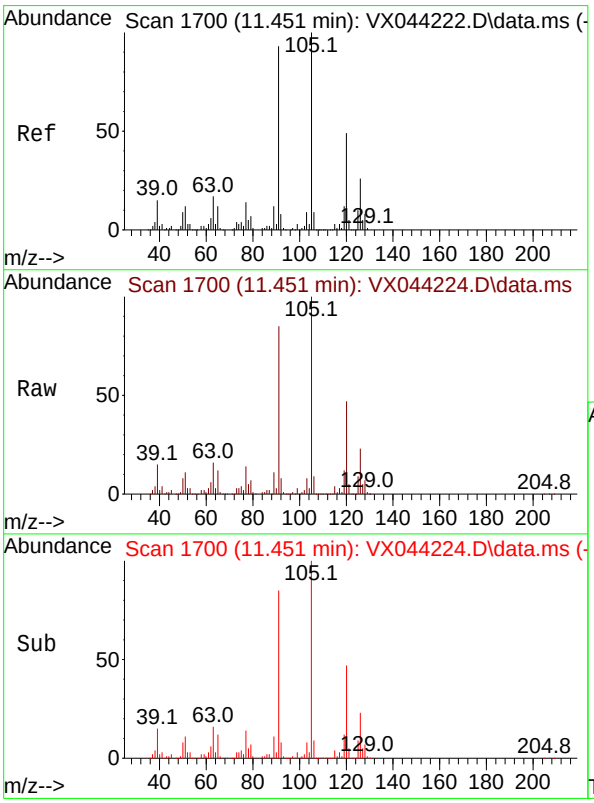

#81
trans-1,4-Dichloro-2-butene
Concen: 152.670 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 117263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 107.3 | 93.6 | 140.4 |
| 89 | 48.2 | 37.3 | 55.9 |

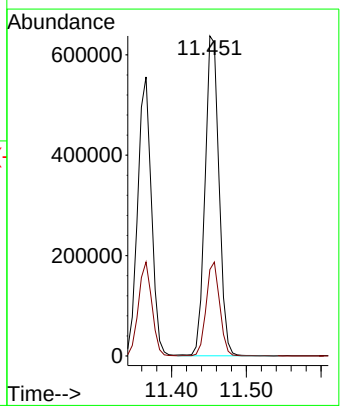


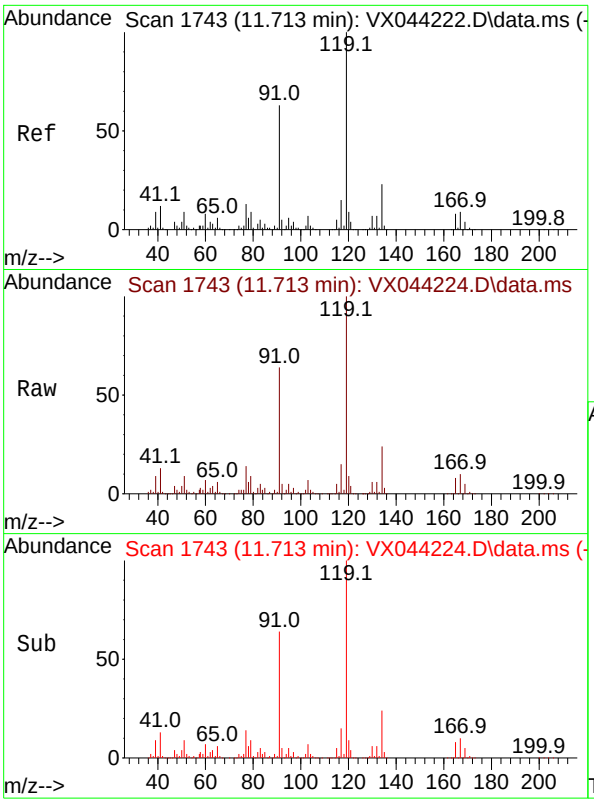




#82
4-Chlorotoluene
Concen: 149.831 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 825278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.5 | 43.5 |



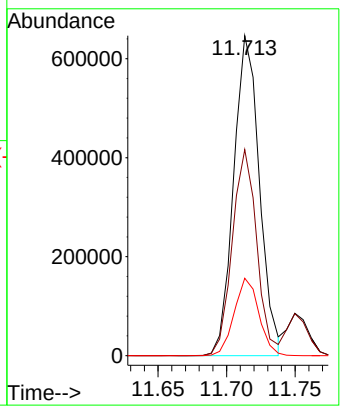


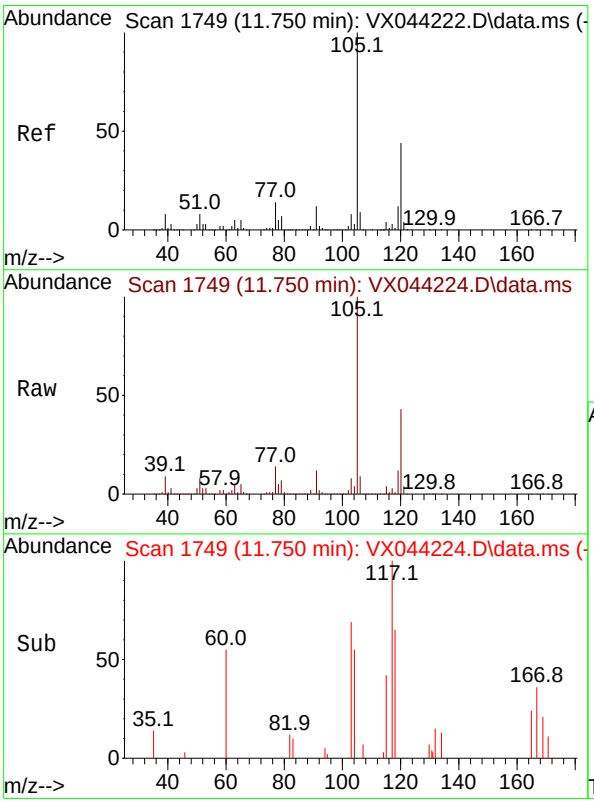

#83
tert-Butylbenzene
Concen: 148.495 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:119 Resp: 846864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.3 | 30.9 | 92.5 |
| 134 | 23.3 | 11.5 | 34.4 |

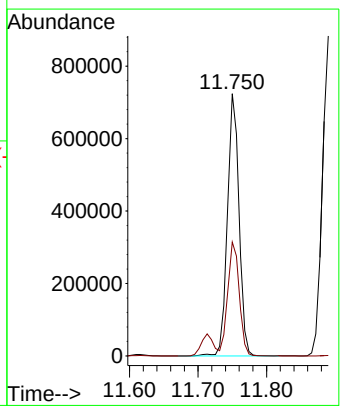


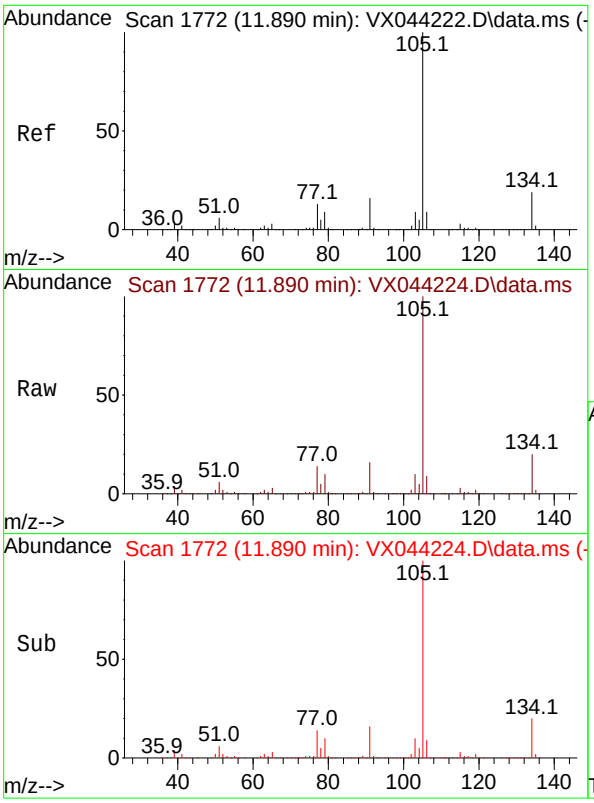




#84
1,2,4-Trimethylbenzene
Concen: 149.414 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 846771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.2 | 21.7 | 65.1 |



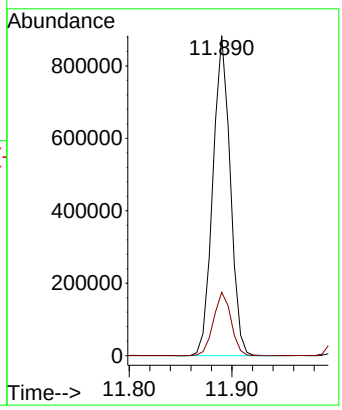


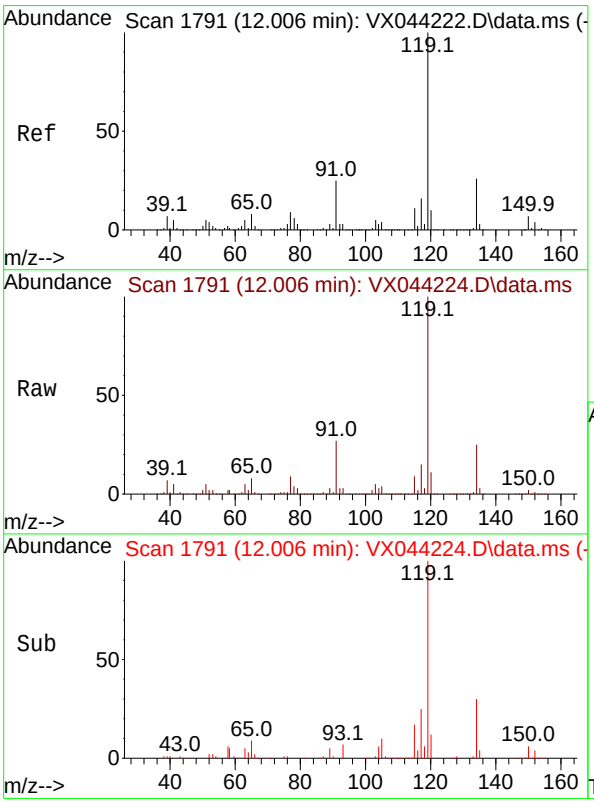

#85
sec-Butylbenzene
Concen: 149.409 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1034419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 9.8 | 29.4 |

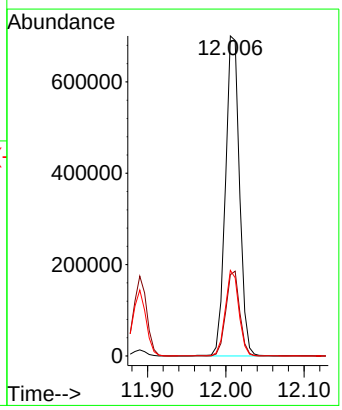


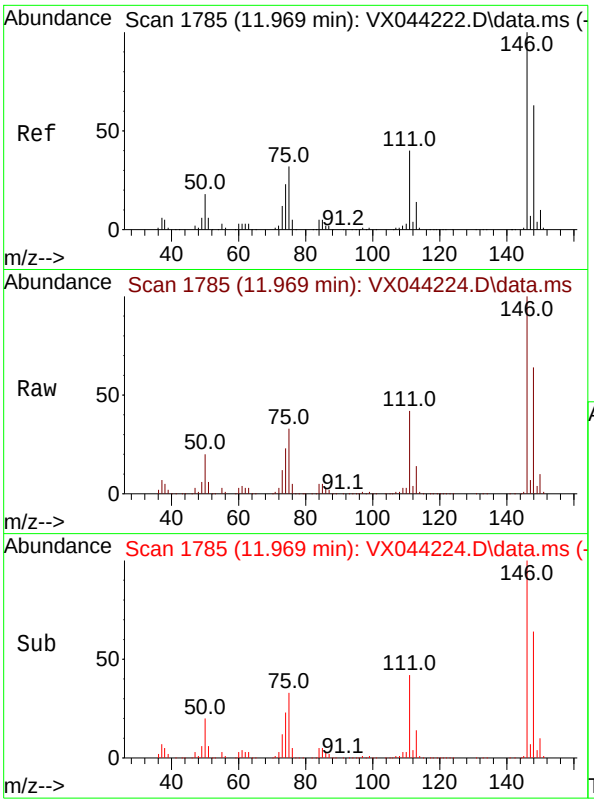




#86
p-Isopropyltoluene
Concen: 151.944 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:119 Resp: 875562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.8 | 38.4 |
| 91 | 25.7 | 13.0 | 39.0 |



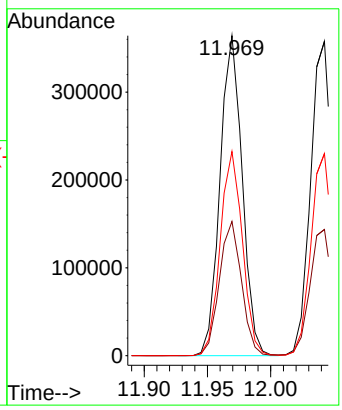


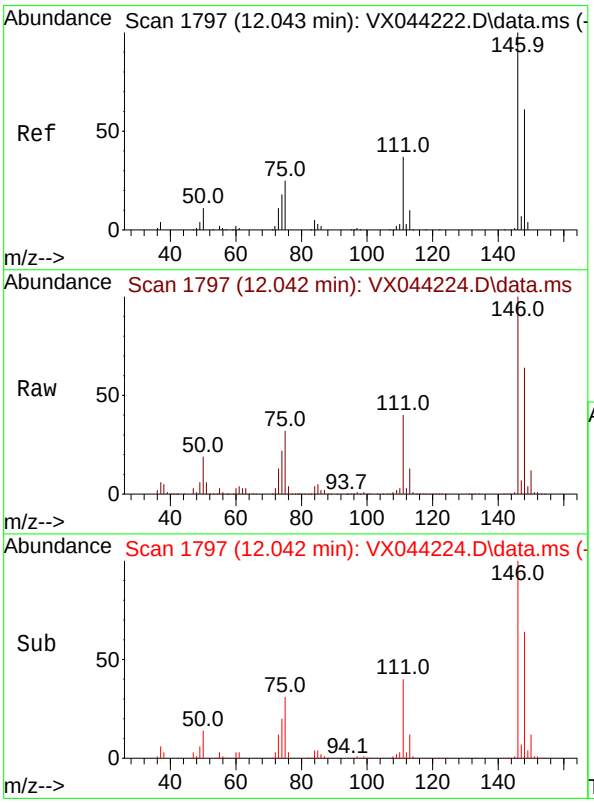

#87
1,3-Dichlorobenzene
Concen: 150.575 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 443826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 21.4 | 64.2 |
| 148 | 64.0 | 31.7 | 95.1 |

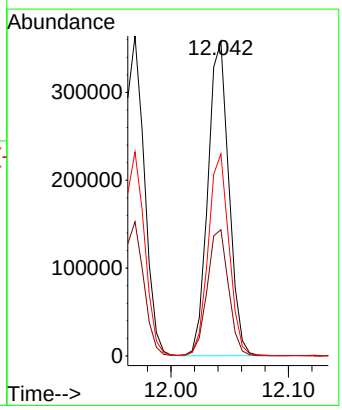


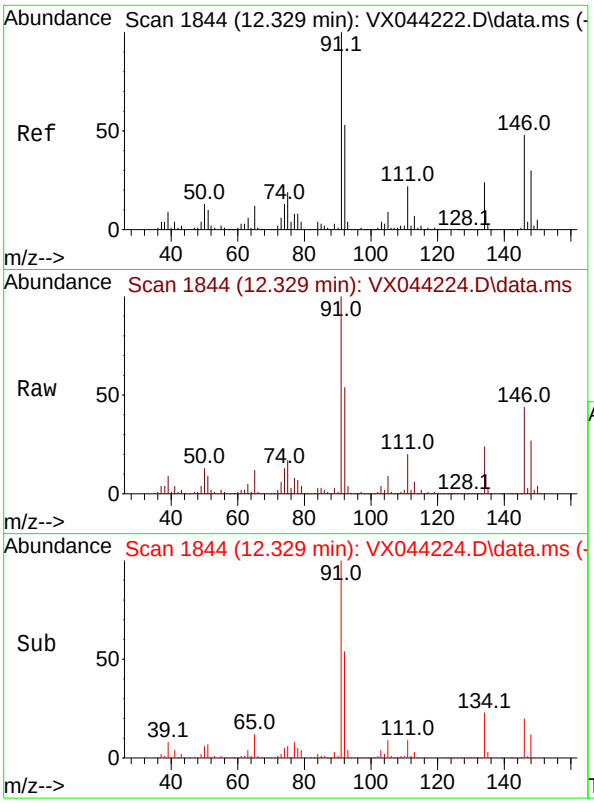




#88
1,4-Dichlorobenzene
Concen: 146.058 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:146 Resp: 442556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 21.0 | 63.0 |
| 148 | 63.7 | 32.3 | 96.8 |



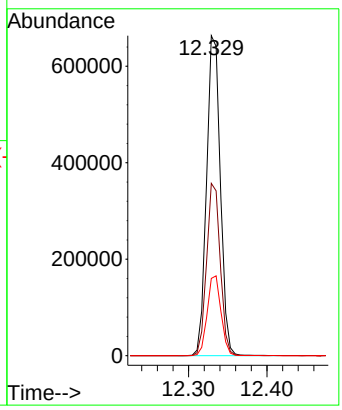


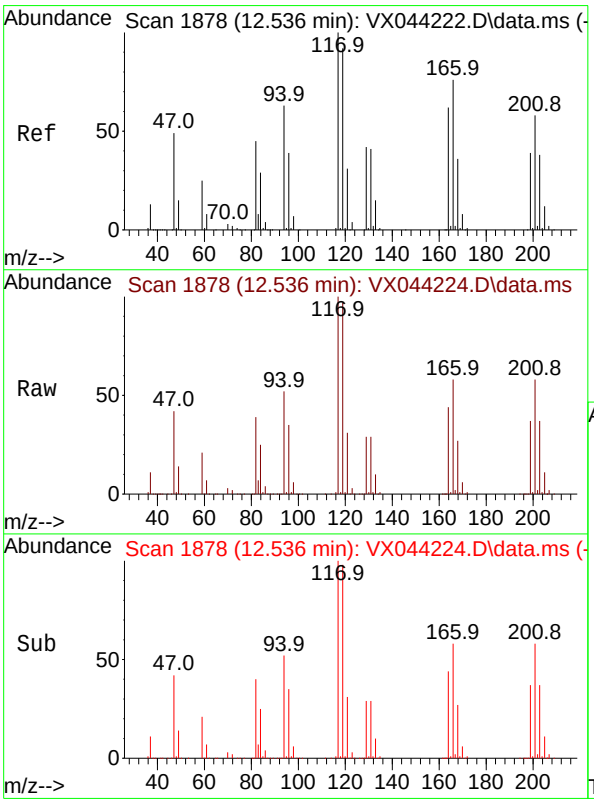

#89
n-Butylbenzene
Concen: 166.836 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 808399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 26.6 | 79.7 |
| 134 | 25.0 | 12.6 | 37.8 |

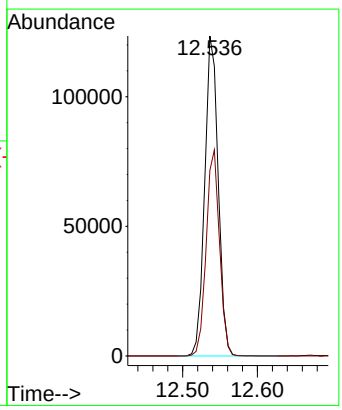


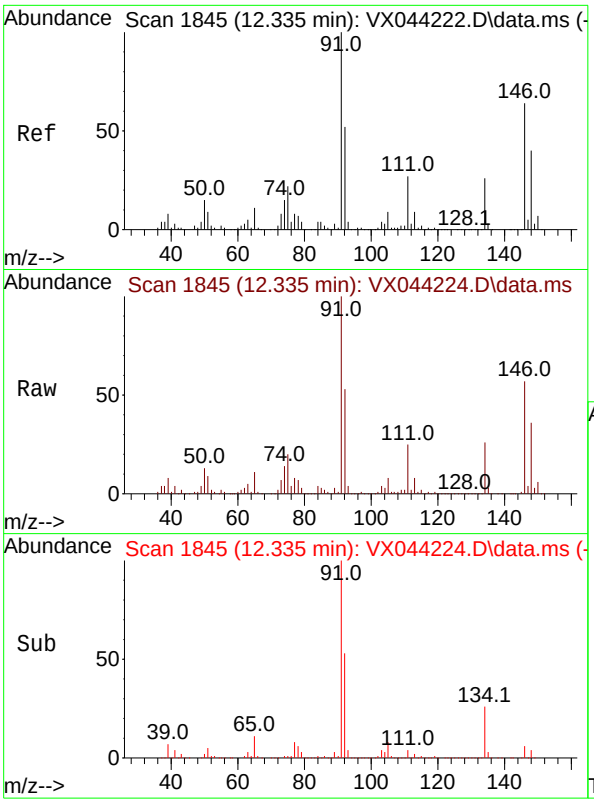




#90
Hexachloroethane
Concen: 183.942 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:117 Resp: 154726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.5 | 31.4 | 94.2 |



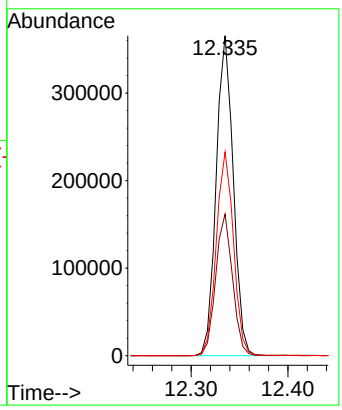


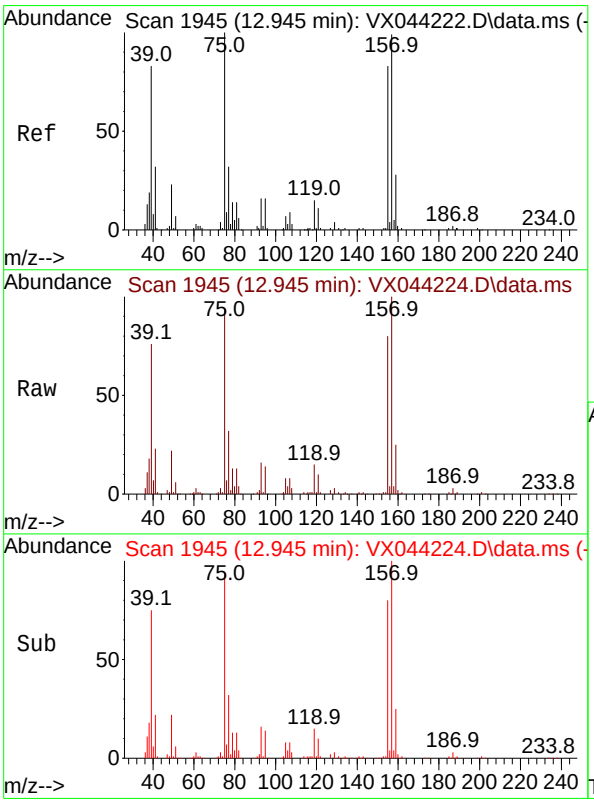

#91
1,2-Dichlorobenzene
Concen: 146.357 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 447931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.7 | 21.4 | 64.3 |
| 148 | 64.2 | 31.6 | 95.0 |

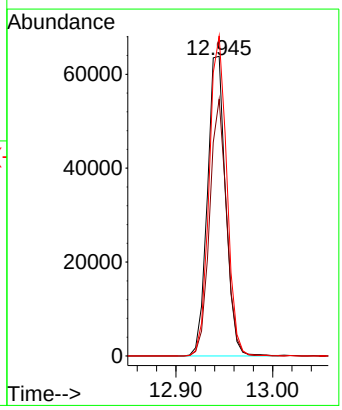


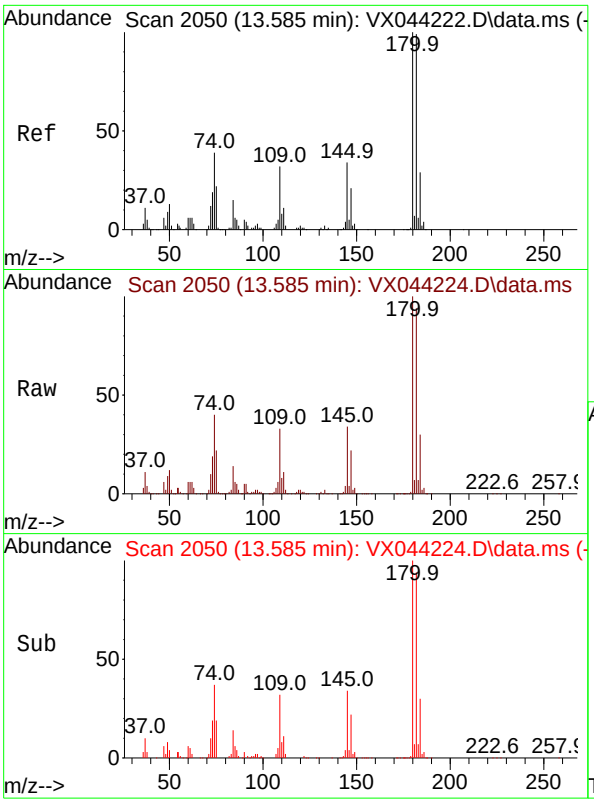




#92
1,2-Dibromo-3-Chloropropane
Concen: 178.106 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 83565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.8 | 38.1 | 114.3 |
| 157 | 103.3 | 47.2 | 141.6 |



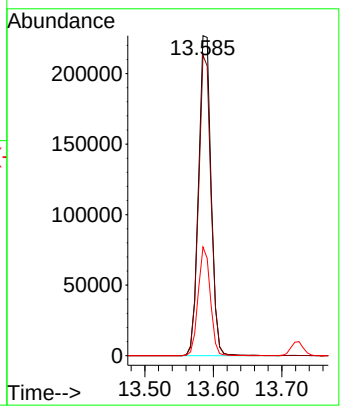


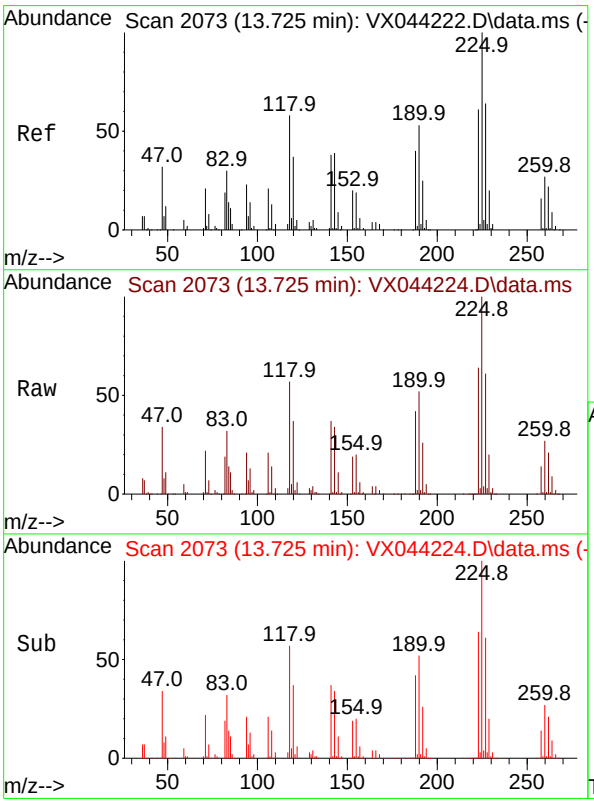

#93
1,2,4-Trichlorobenzene
Concen: 171.952 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:180 Resp: 288519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.3 | 48.0 | 144.2 |
| 145 | 33.0 | 16.6 | 49.7 |

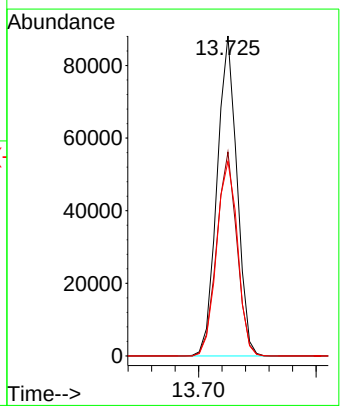


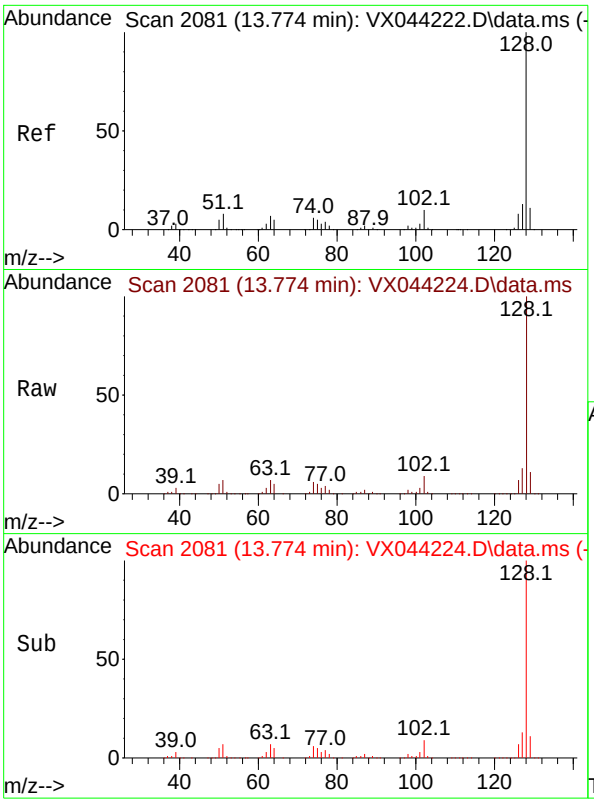




#94
Hexachlorobutadiene
Concen: 154.036 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:225 Resp: 103961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.7 | 30.8 | 92.4 |
| 227 | 64.0 | 32.1 | 96.3 |



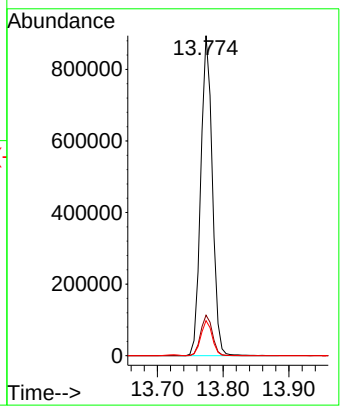


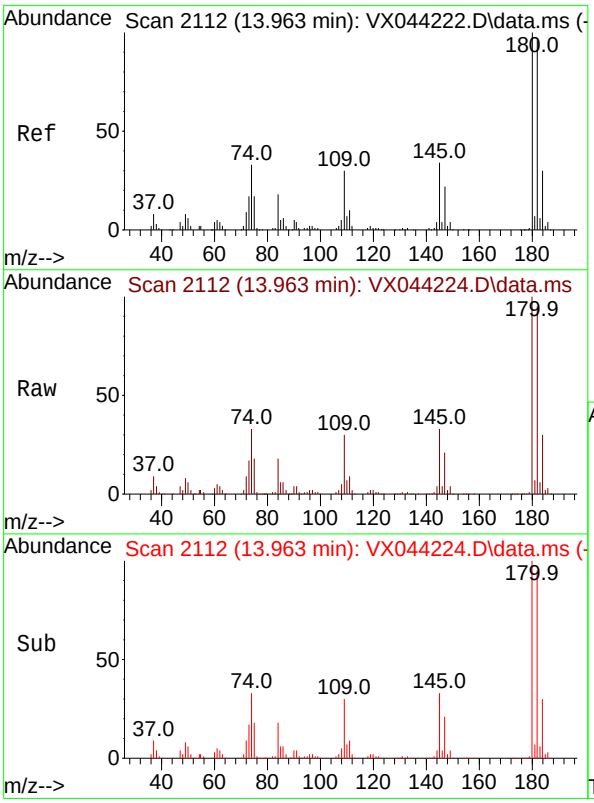

#95
Naphthalene
Concen: 167.187 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:128 Resp: 1094997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |

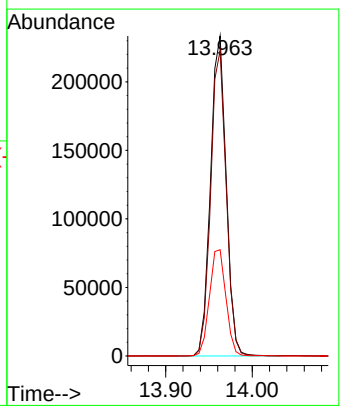



#96
1,2,3-Trichlorobenzene
Concen: 165.064 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:180 Resp: 293760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 48.0 | 144.0 |
| 145 | 34.9 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 134203 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 237295 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 210572 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 99879 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 107407 | 45.646 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.300% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 77619 | 47.228 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.460% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 271508 | 48.968 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 97.940% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 97061 | 50.098 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 104566 | 50.390 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 92633 | 46.681 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 97702 | 47.260 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 67357 | 45.926 | ug/l | 99 |
| 6) Chloroethane | 1.666 | 64 | 62821 | 48.801 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 203619 | 50.311 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 63075 | 45.658 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 82498 | 50.374 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 100043 | 46.349 | ug/l | 100 |
| 11) Tert butyl alcohol | 3.001 | 59 | 77494 | 233.680 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 74177 | 49.311 | ug/l | 99 |
| 13) Acrolein | 2.233 | 56 | 111927 | 233.162 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 124635 | 49.744 | ug/l | 100 |
| 15) Acrylonitrile | 3.068 | 53 | 221037 | 240.620 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 260267 | 271.312 | ug/l | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 149824 | 52.397 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 115569 | 46.725 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 281413 | 47.940 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 83188 | 46.170 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 77471 | 48.459 | ug/l | 98 |
| 22) Diisopropyl ether | 3.763 | 45 | 264732 | 46.922 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1185779 | 258.510 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 151134 | 48.056 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 346052 | 253.747 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 140196 | 54.872 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 94838 | 46.709 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 69139 | 44.832 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 208362 | 238.031 | ug/l | 98 |
| 30) Chloroform | 5.092 | 83 | 163372 | 46.235 | ug/l | 94 |
| 31) Cyclohexane | 5.458 | 56 | 125567 | 49.443 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 146348 | 49.895 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 106889 | 50.314 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 137017 | 52.176 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 118390 | 51.763 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 139077 | 54.761 | ug/l | 99 |
| 40) Benzene | 6.031 | 78 | 316391 | 49.052 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 68251 | 48.945 ug/l | 98 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 132744 | 49.960 ug/l | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 211889 | 51.624 ug/l | 100 |
| 44) Trichloroethene | 7.123 | 130 | 80008 | 49.741 ug/l | 98 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 78321 | 47.528 ug/l | 98 |
| 46) Dibromomethane | 7.574 | 93 | 65491 | 51.227 ug/l | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 116783 | 52.893 ug/l | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 101318 | 50.852 ug/l | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 26140 | 791.313 ug/l # | 71 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 673069 | 255.038 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 199281 | 49.199 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 120696 | 50.864 ug/l | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 128875 | 53.607 ug/l | 96 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 81362 | 50.562 ug/l | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 134357 | 52.890 ug/l | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 137705 | 49.165 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 332599 | 259.586 ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 519476 | 271.943 ug/l | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 83515 | 49.073 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 85024 | 51.909 ug/l | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 66669 | 47.702 ug/l | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 217180 | 48.133 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 74531 | 51.396 ug/l | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 385605 | 49.461 ug/l | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 285774 | 99.896 ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 144001 | 49.750 ug/l | 98 |
| 70) Styrene | 10.652 | 104 | 239508 | 51.617 ug/l | 98 |
| 71) Bromoform | 10.799 | 173 | 50972 | 50.269 ug/l # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 374769 | 49.014 ug/l | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 183763 | 52.003 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 126615 | 47.676 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 138398 | 62.060 ug/l | 85 |
| 77) Bromobenzene | 11.195 | 156 | 87767 | 47.335 ug/l | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 429443 | 50.816 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 259860 | 47.546 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 313435 | 49.431 ug/l | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 37038 | 47.861 ug/l | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 297641 | 49.178 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 309463 | 49.384 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 313433 | 50.333 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 381109 | 50.097 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 320882 | 50.678 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 159094 | 49.122 ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 160742 | 48.280 ug/l | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 283284 | 53.207 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 48734 | 52.727 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 160039 | 47.589 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 26738 | 51.864 ug/l | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 99449 | 53.940 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 37651 | 50.770 ug/l | 98 |
| 95) Naphthalene | 13.774 | 128 | 365781 | 50.827 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 100209 | 51.244 ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

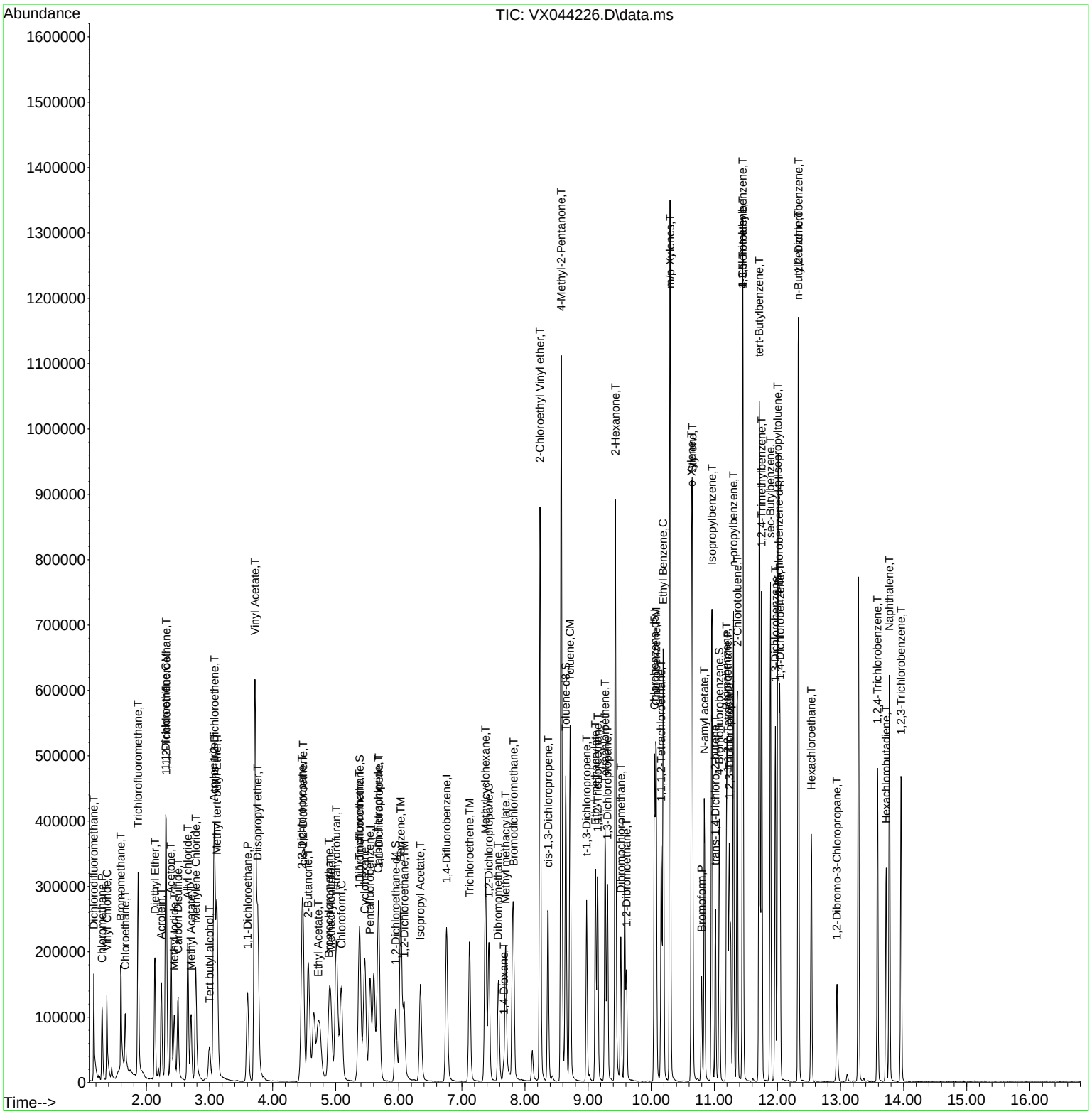
(#) = qualifier out of range (m) = manual integration (+) = signals summed

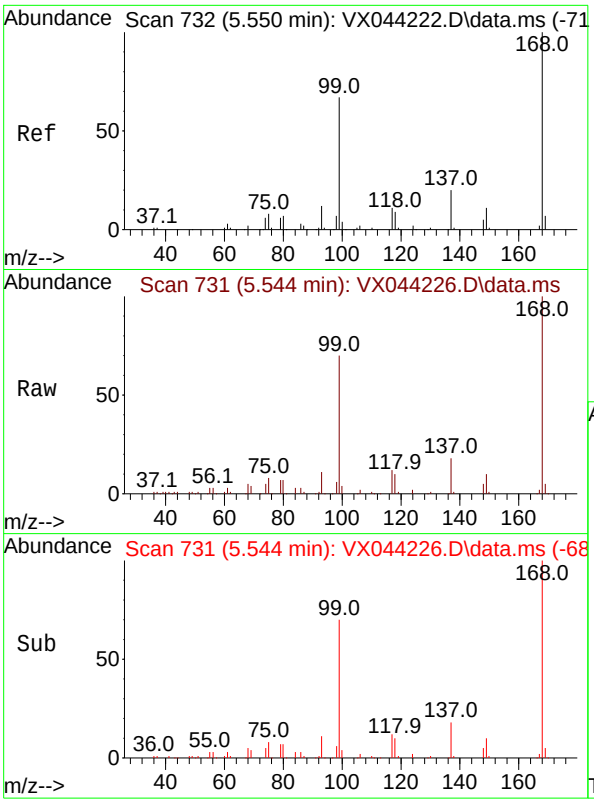
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



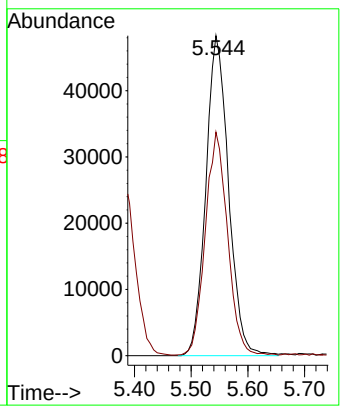


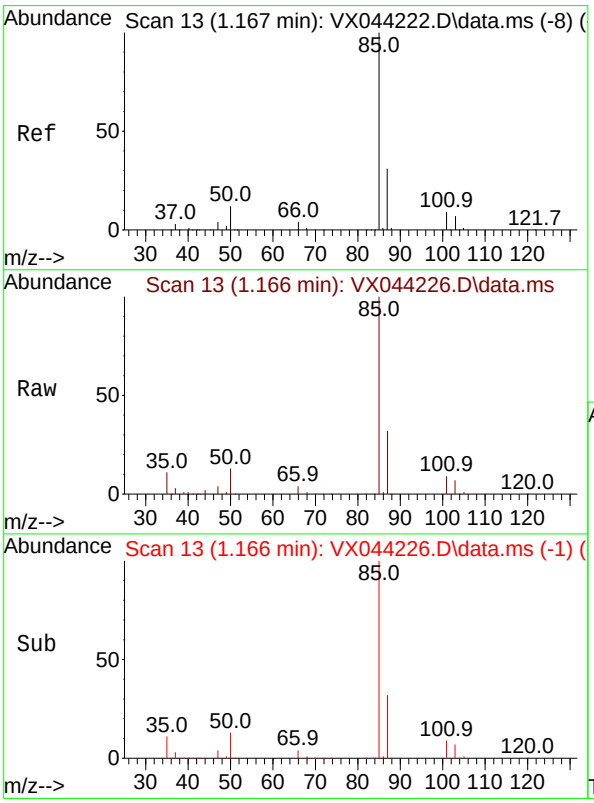

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:168 Resp: 134203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 69.7 | 53.4 | 80.0 |

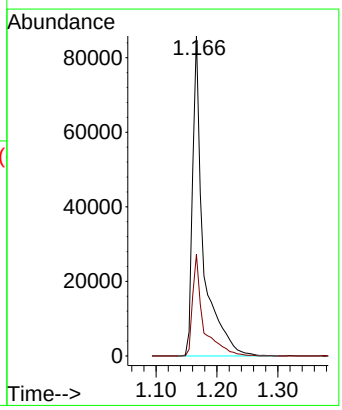


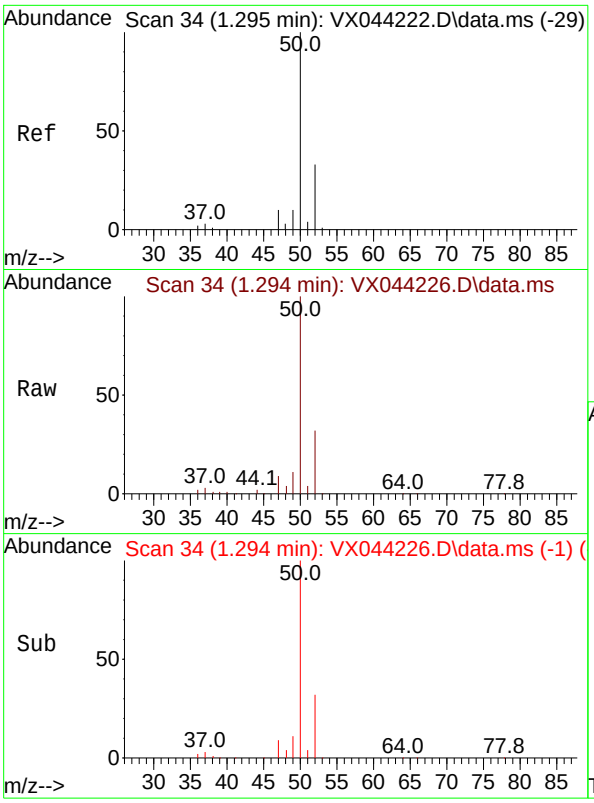




#2
Dichlorodifluoromethane
Concen: 50.390 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 85 Resp: 104566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.4 | 46.4 |



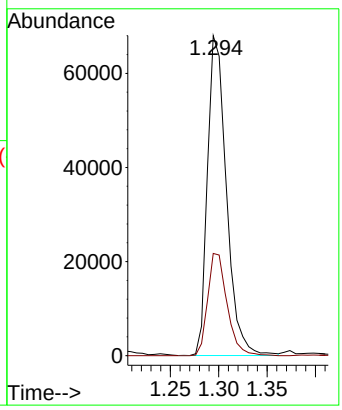


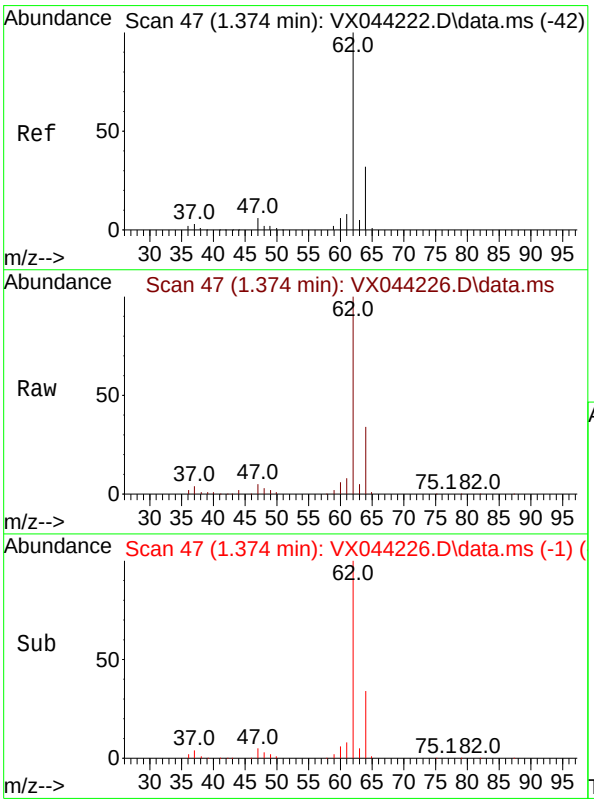

#3
Chloromethane
Concen: 46.681 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 50 Resp: 92633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.5 | 39.7 |

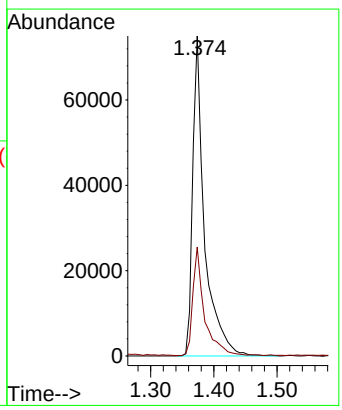


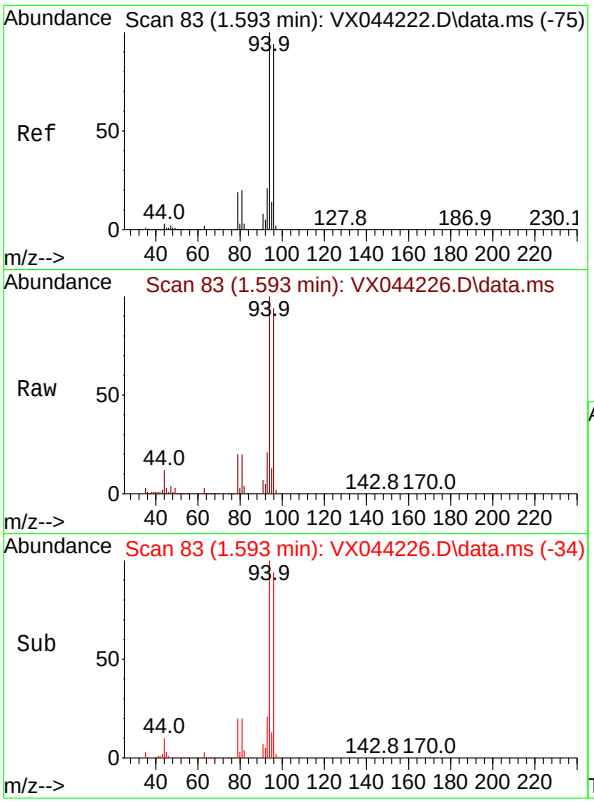




#4
Vinyl Chloride
Concen: 47.260 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 62 Resp: 97702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.9 | 25.7 | 38.5 |



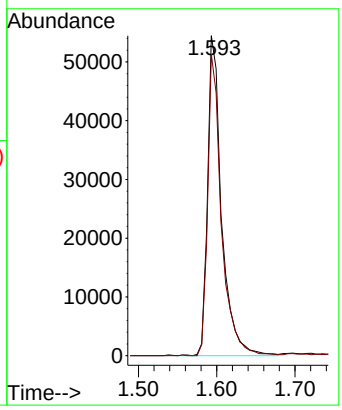


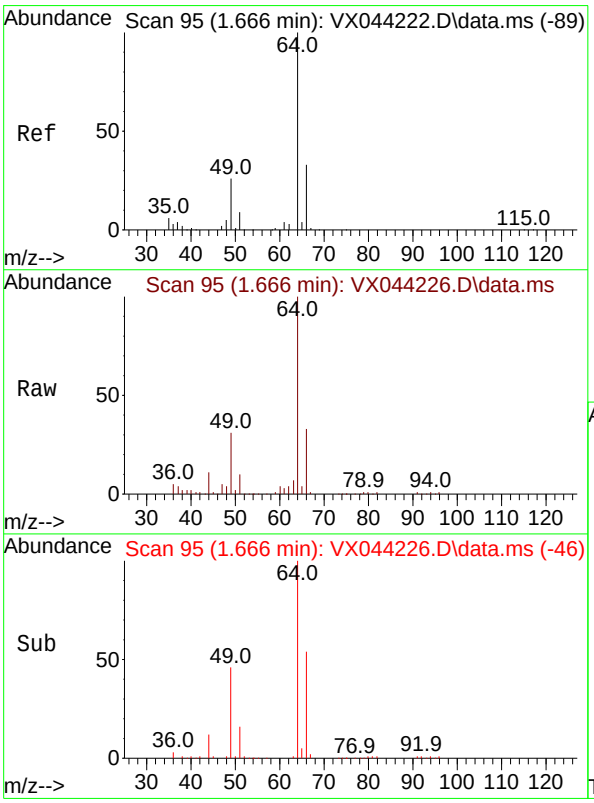

#5
Bromomethane
Concen: 45.926 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 94 Resp: 67357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.2 | 74.9 | 112.3 |

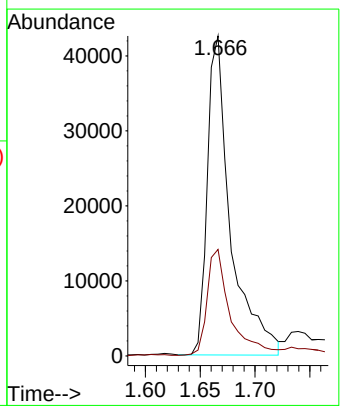


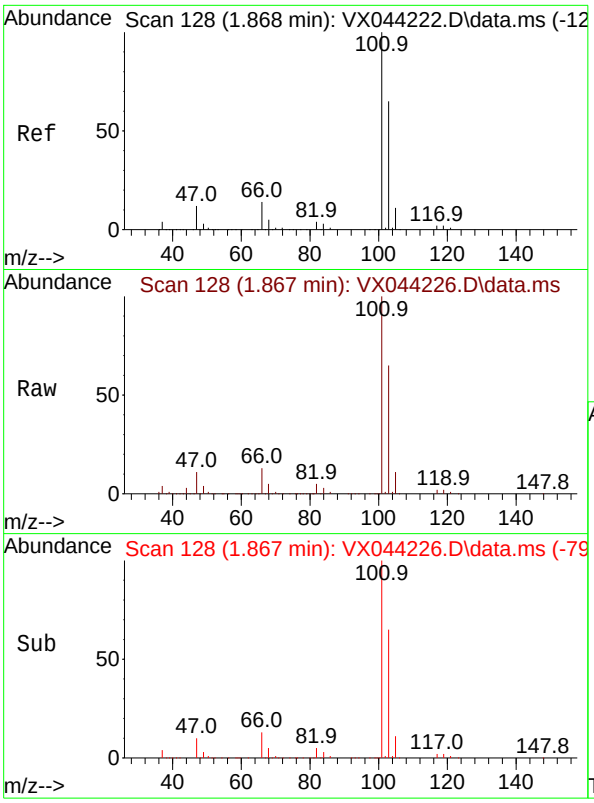




#6
Chloroethane
Concen: 48.801 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 64 Resp: 62821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.2 | 26.6 | 39.8 |



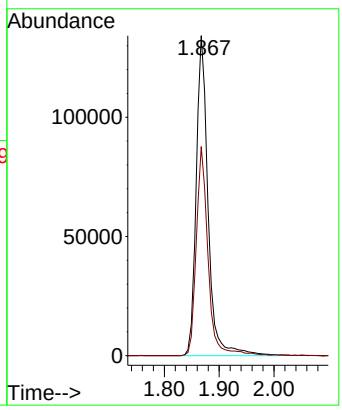


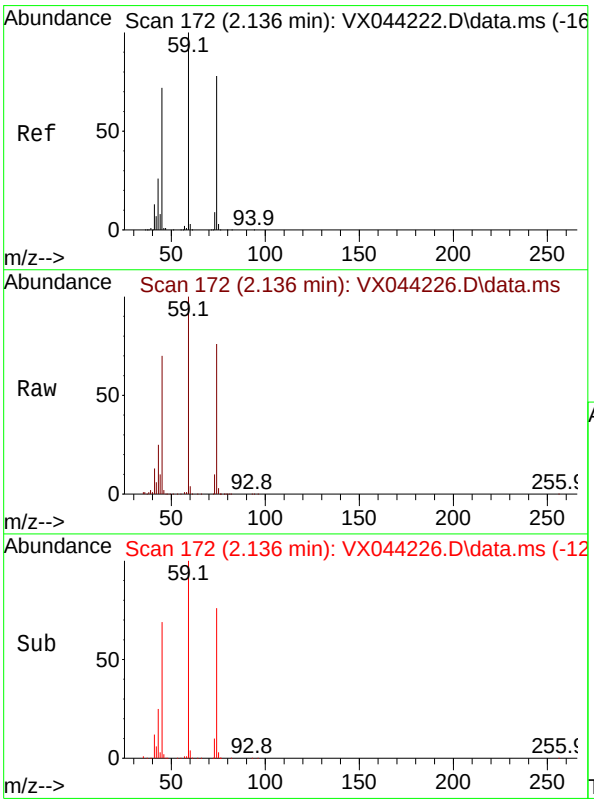

#7
Trichlorofluoromethane
Concen: 50.311 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:101 Resp: 203619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 51.8 | 77.8 |

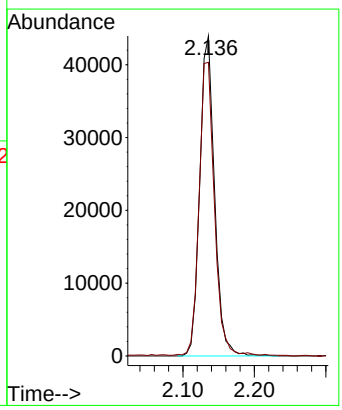


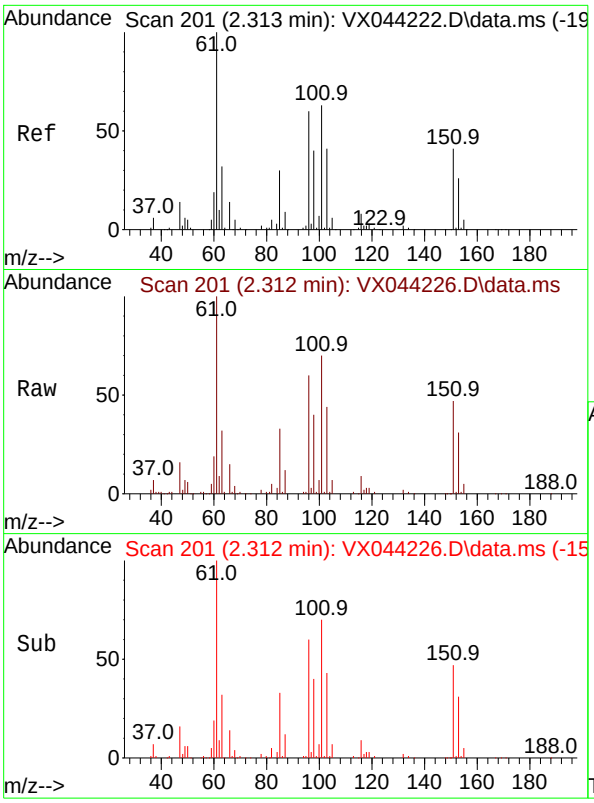




#8
Diethyl Ether
Concen: 45.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 74 Resp: 63075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 94.4 | 48.4 | 145.0 |



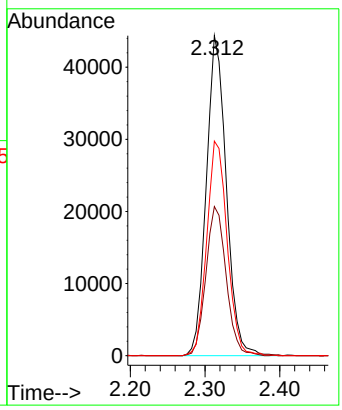


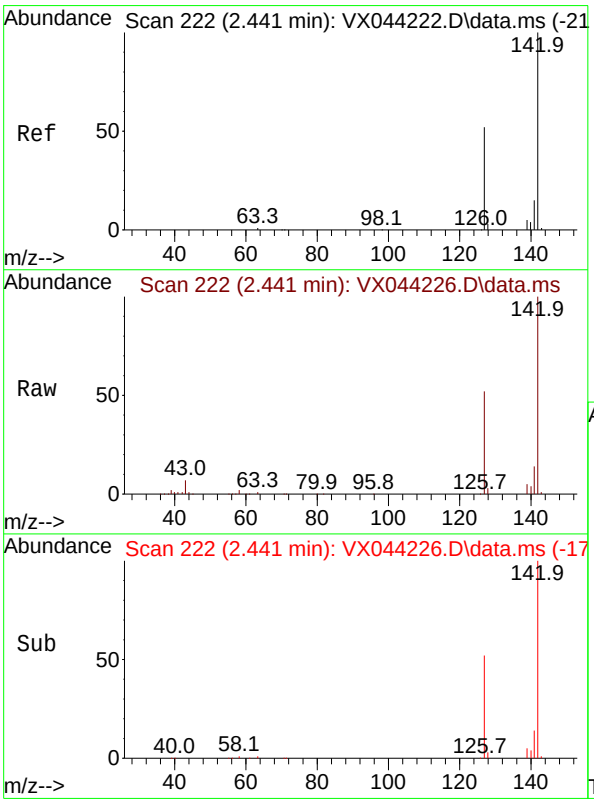

#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.374 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:101 Resp: 82498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.1 | 38.5 | 57.7 |
| 151 | 68.6 | 55.8 | 83.6 |

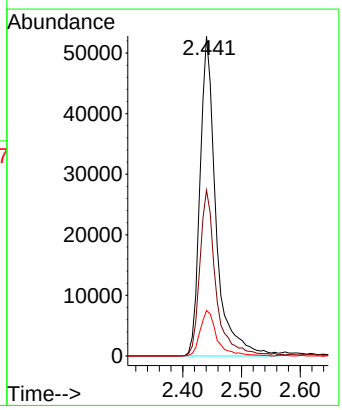


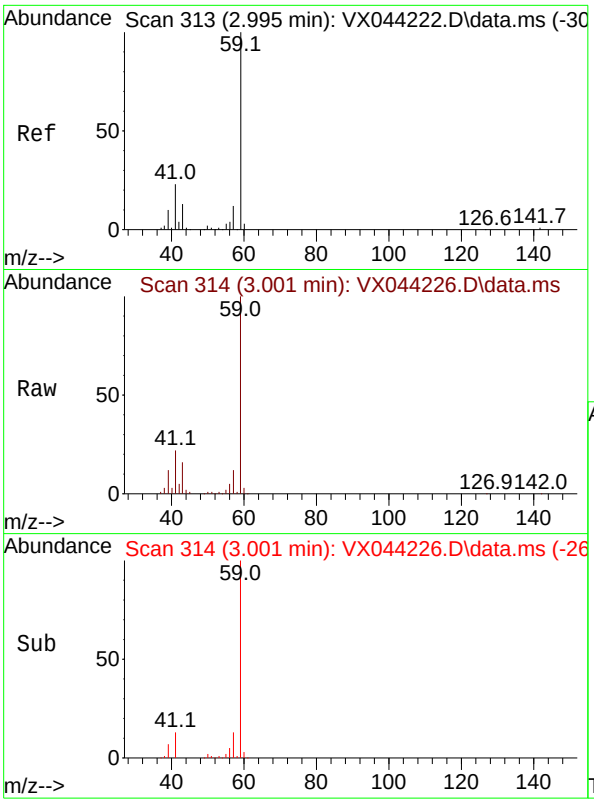




#10
Methyl Iodide
Concen: 46.349 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:142 Resp: 100043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.3 | 41.8 | 62.8 |
| 141 | 14.8 | 11.5 | 17.3 |



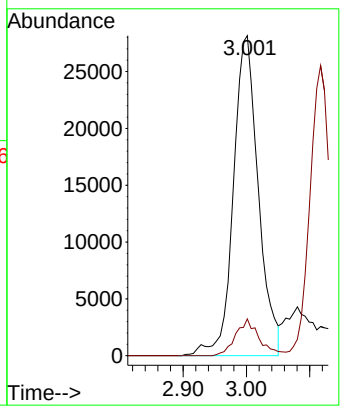


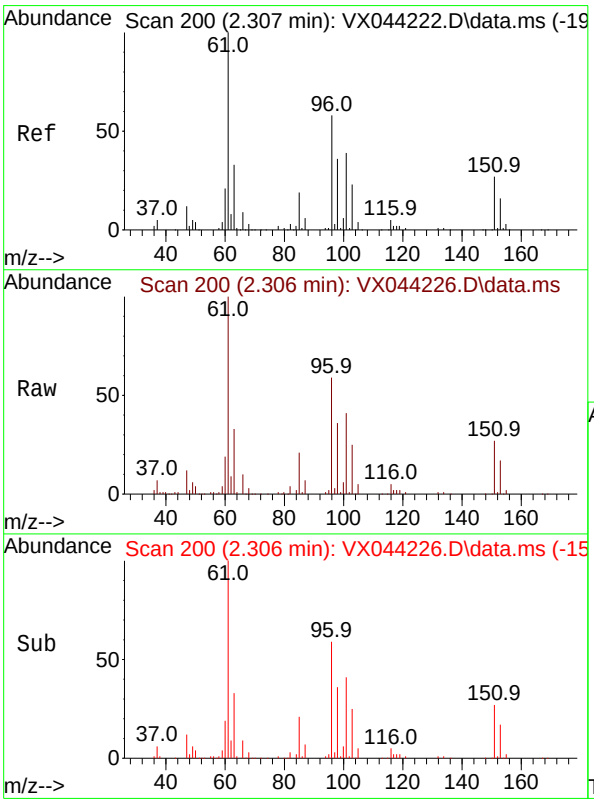

#11
Tert butyl alcohol
Concen: 233.680 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 59 Resp: 77494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.8 | 13.2 |

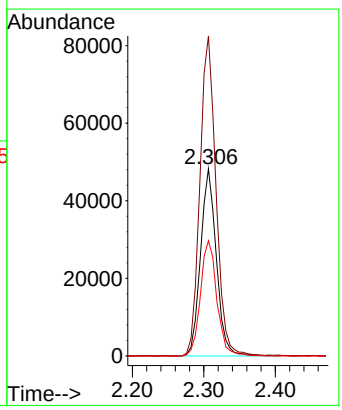


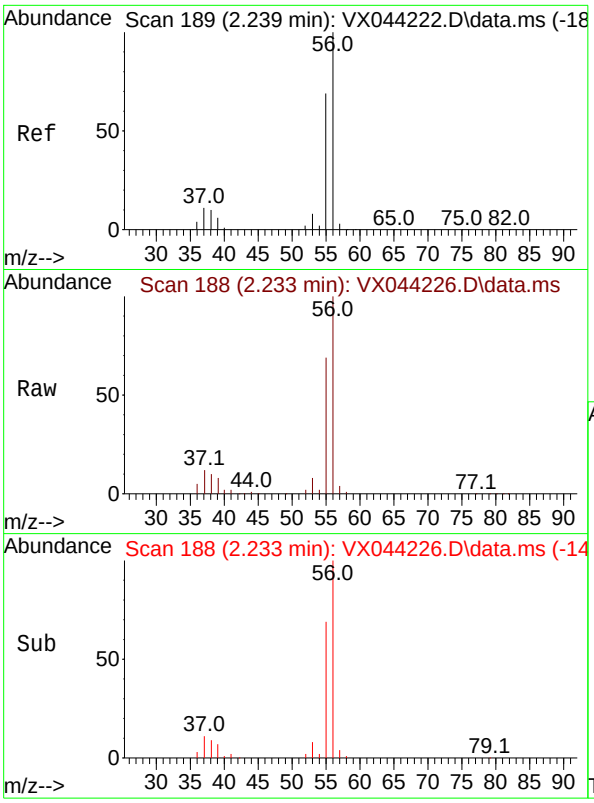




#12
1,1-Dichloroethene
Concen: 49.311 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 96 Resp: 74177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 170.9 | 138.0 | 207.0 |
| 98 | 61.6 | 50.0 | 75.0 |



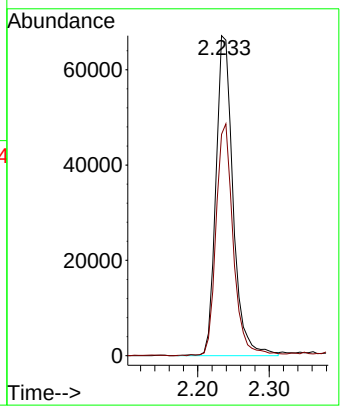


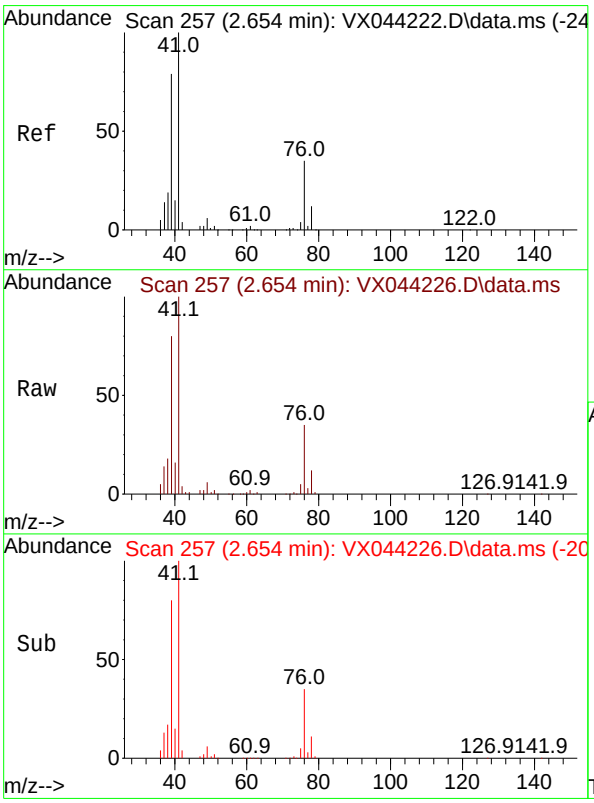

#13
Acrolein
Concen: 233.162 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 56 Resp: 111927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.8 | 56.6 | 84.8 |

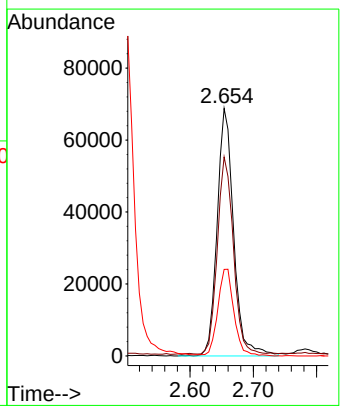


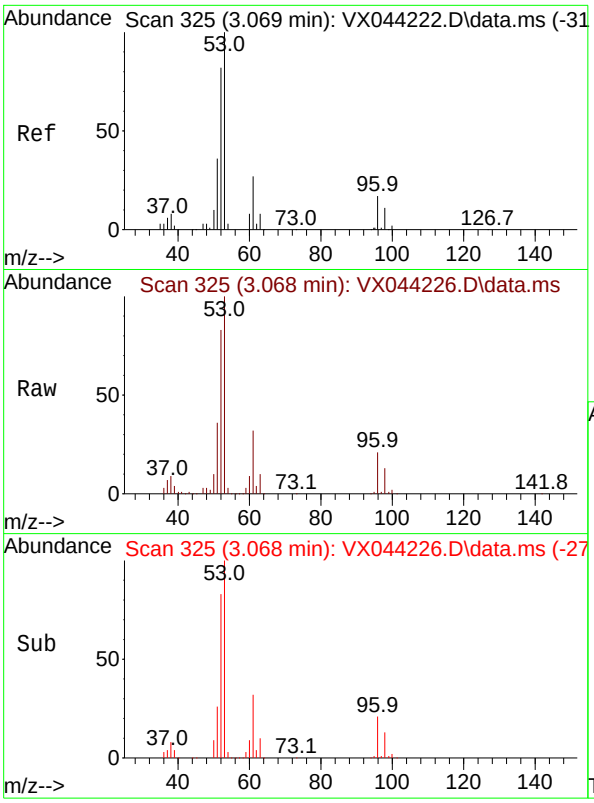




#14
Allyl chloride
Concen: 49.744 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 124635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.3 | 61.9 | 92.9 |
| 76 | 34.4 | 27.4 | 41.2 |



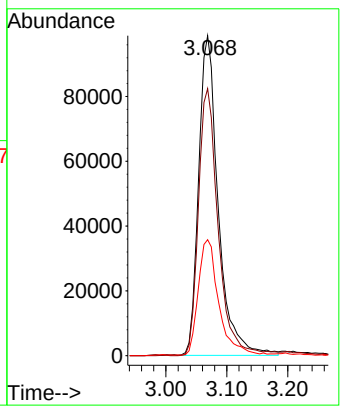


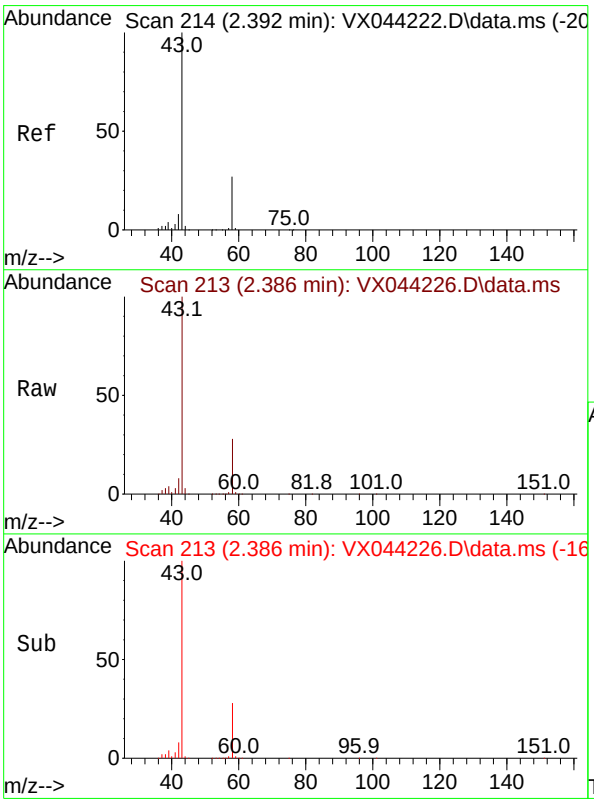

#15
Acrylonitrile
Concen: 240.620 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 53 Resp: 221037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.3 | 67.4 | 101.0 |
| 51 | 37.6 | 30.3 | 45.5 |

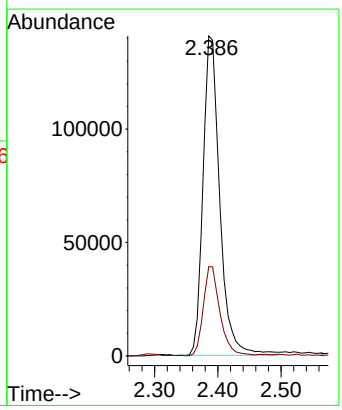


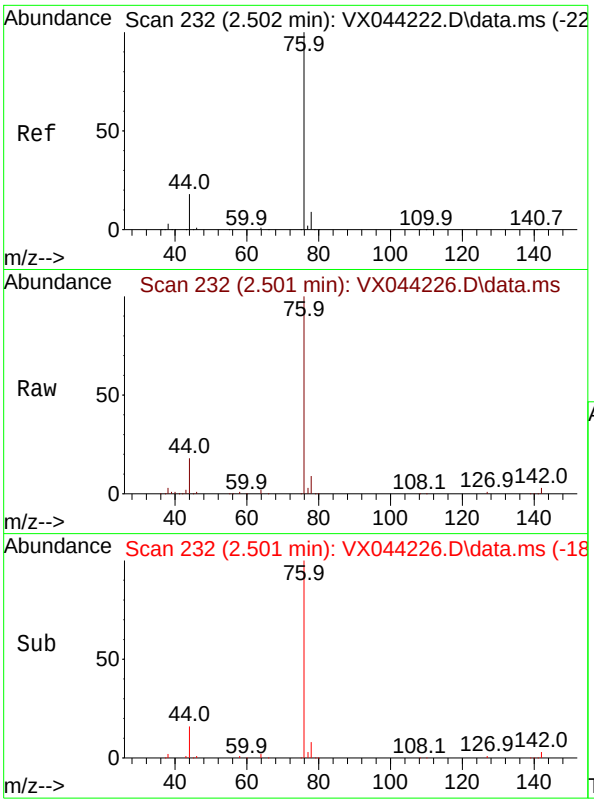




#16
Acetone
Concen: 271.312 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 260267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 21.6 | 32.4 |



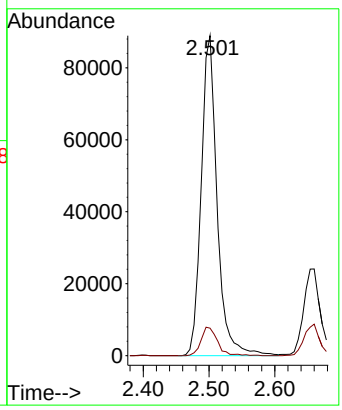


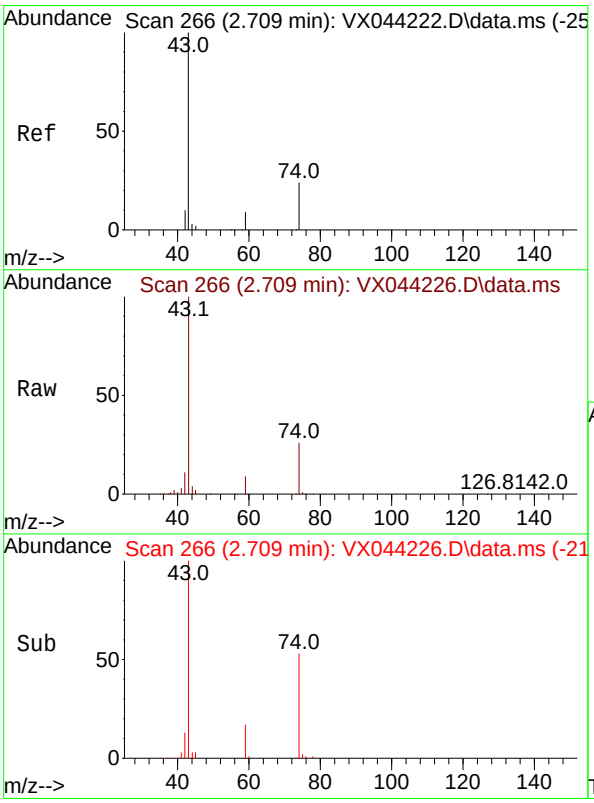

#17
Carbon Disulfide
Concen: 52.397 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 76 Resp: 149824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.4 | 11.0 |

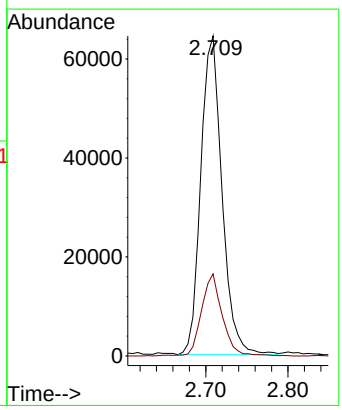


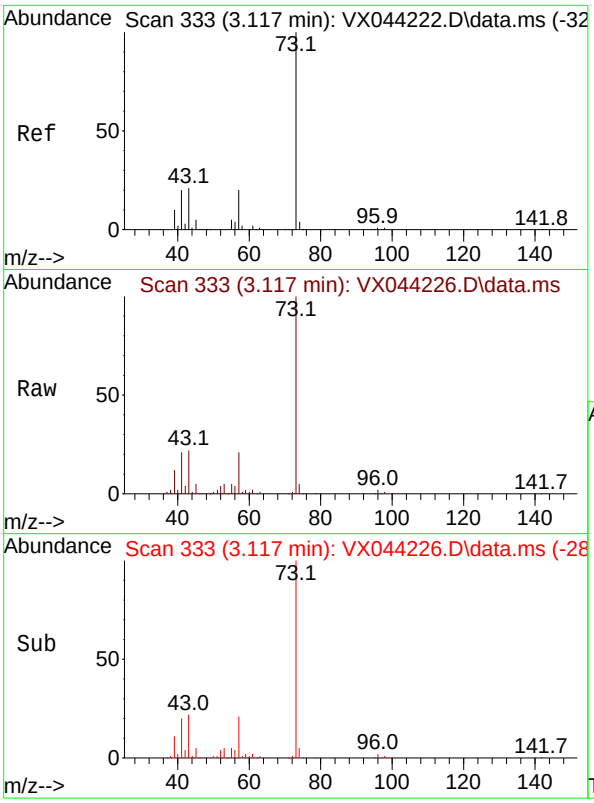




#18
Methyl Acetate
Concen: 46.725 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 115569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.3 | 17.7 | 26.5 |



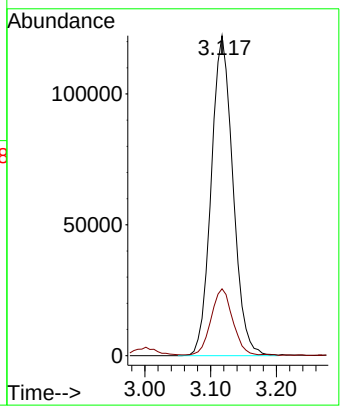


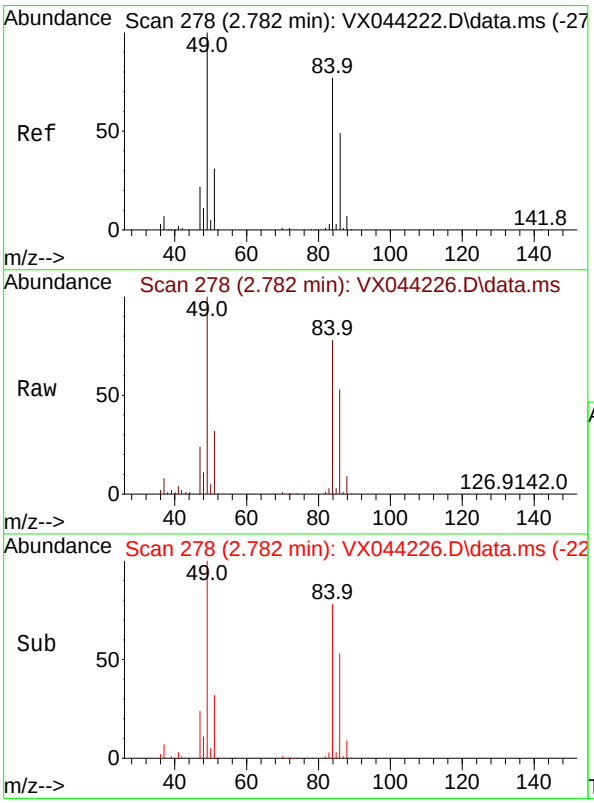

#19
Methyl tert-butyl Ether
Concen: 47.940 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 73 Resp: 281413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.8 | 16.2 | 24.4 |

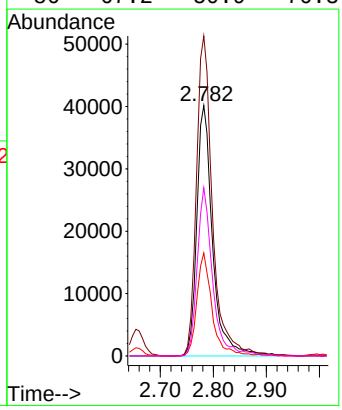


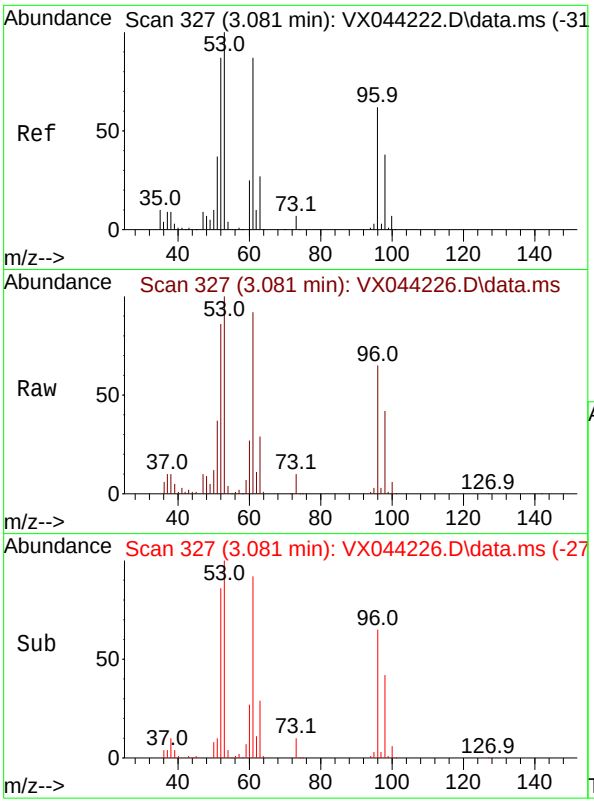




#20
Methylene Chloride
Concen: 46.170 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 84 Resp: 83188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.6 | 104.2 | 156.4 |
| 51 | 41.1 | 32.2 | 48.4 |
| 86 | 67.2 | 50.9 | 76.3 |



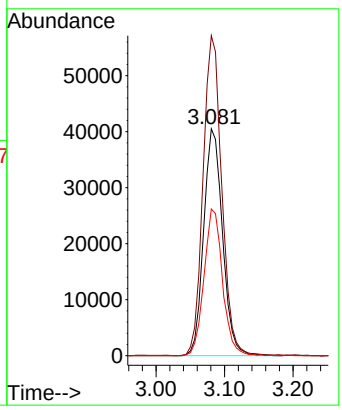


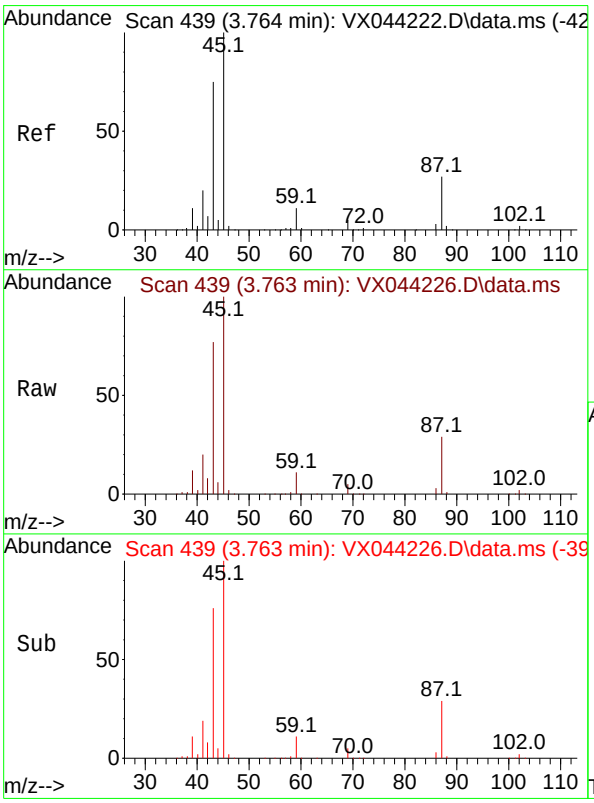

#21
trans-1,2-Dichloroethene
Concen: 48.459 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 96 Resp: 77471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.0 | 112.0 | 168.0 |
| 98 | 64.7 | 48.8 | 73.2 |

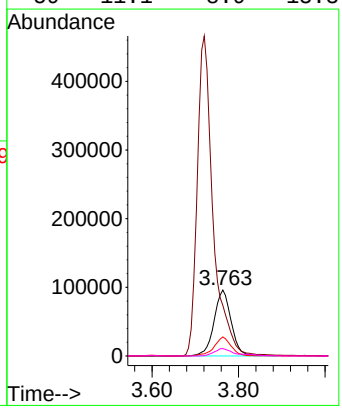


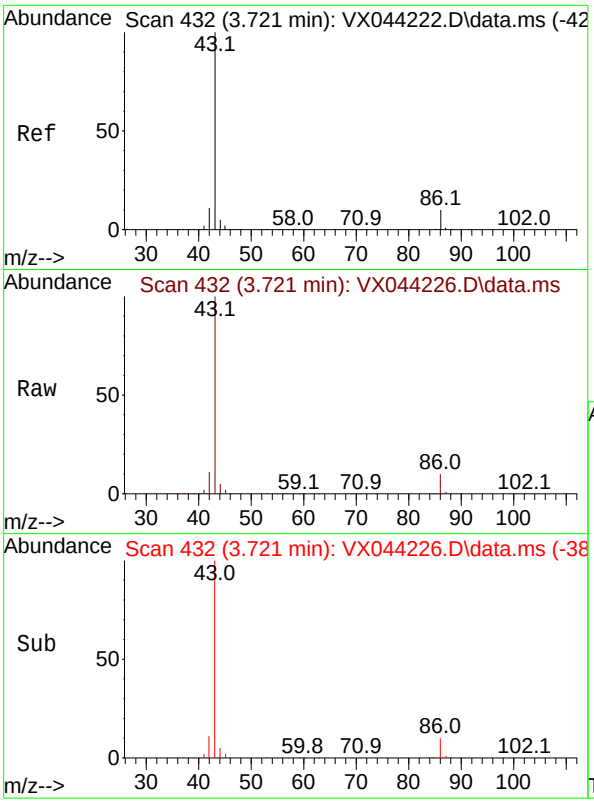




#22
Diisopropyl ether
Concen: 46.922 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 45 Resp: 264732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 76.6 | 60.2 | 90.2 |
| 87 | 28.8 | 21.2 | 31.8 |
| 59 | 11.1 | 8.9 | 13.3 |



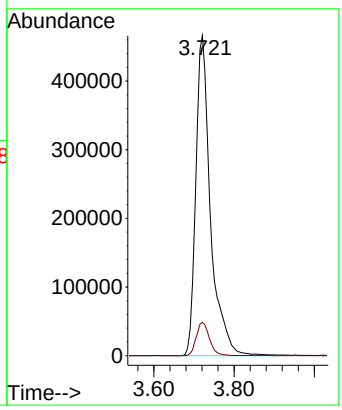


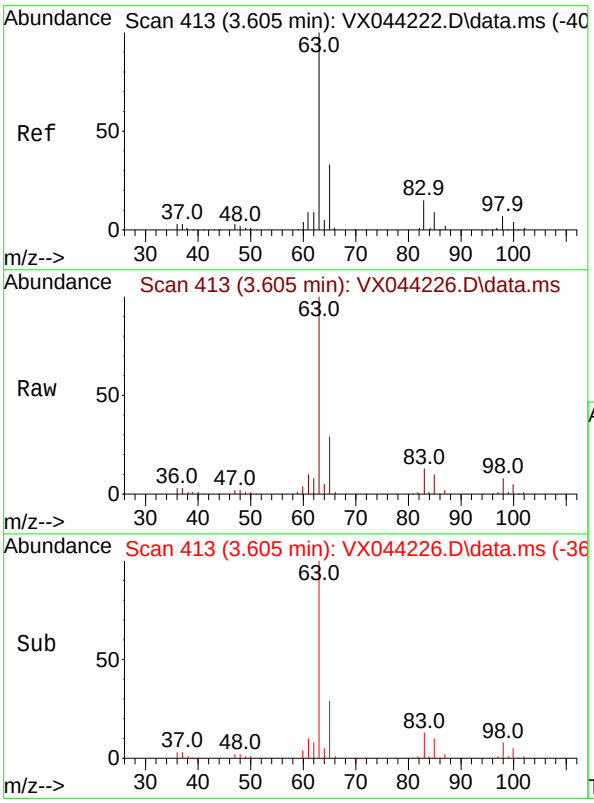

#23
Vinyl Acetate
Concen: 258.510 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 43 Resp: 1185779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.4 | 8.2 | 12.2 |

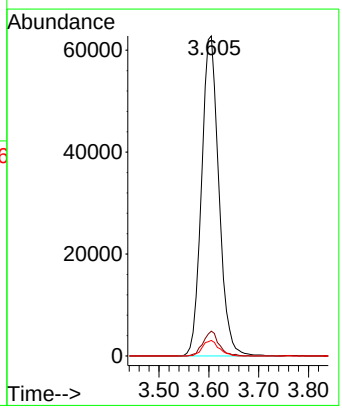


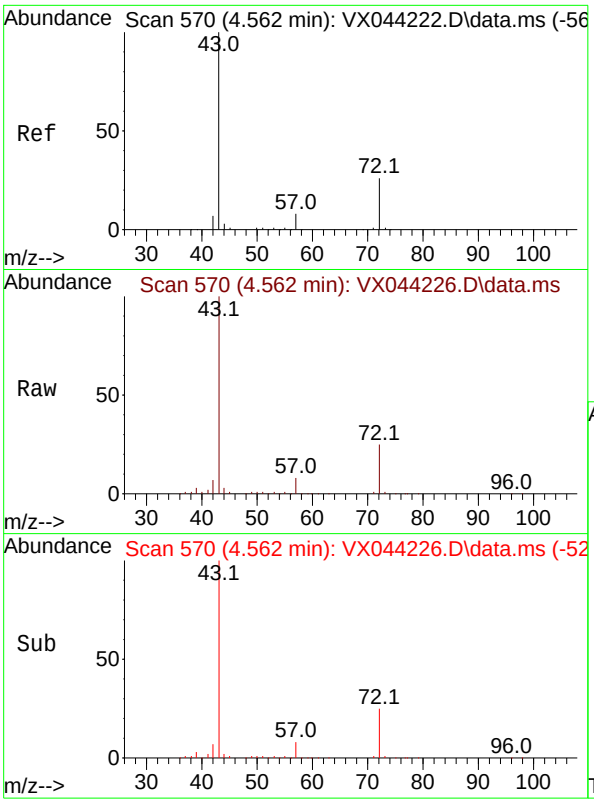




#24
1,1-Dichloroethane
Concen: 48.056 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 151134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 3.6 | 10.8 |
| 100 | 4.8 | 2.1 | 6.3 |



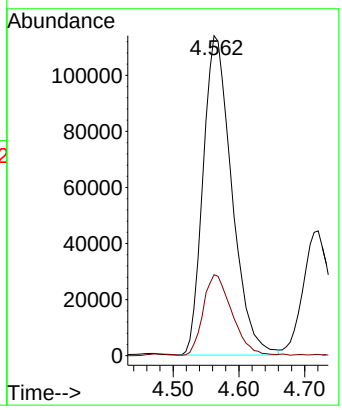


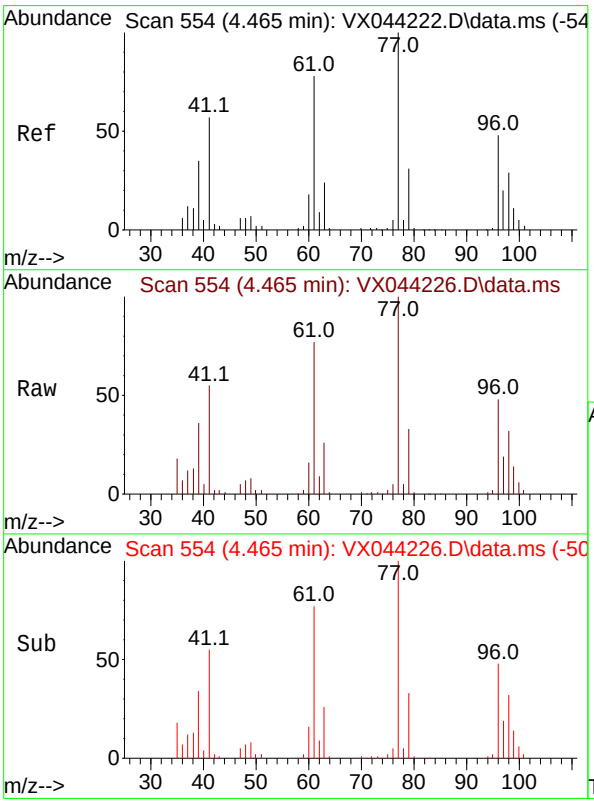

#25
2-Butanone
Concen: 253.747 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 43 Resp: 346052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 20.2 | 30.4 |

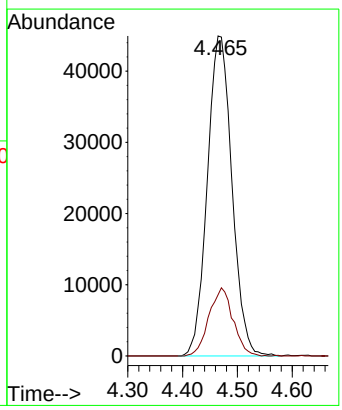


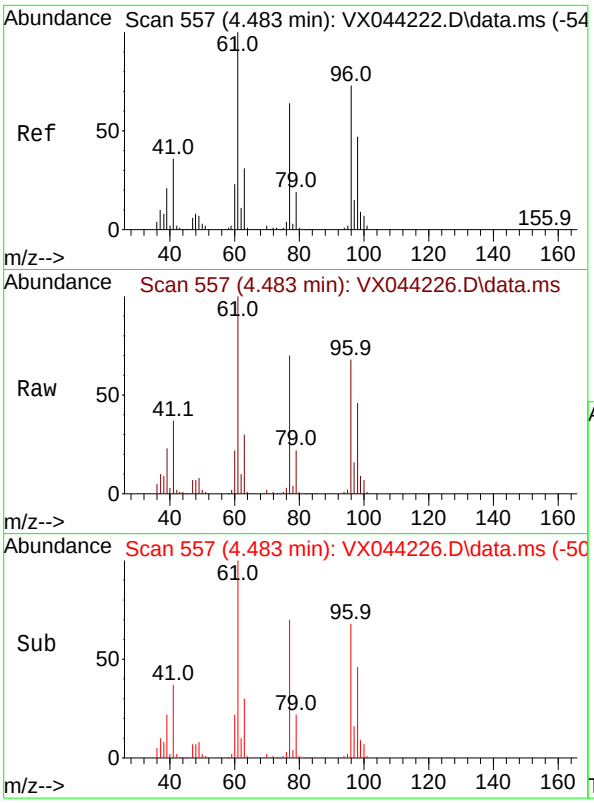




#26
2,2-Dichloropropane
Concen: 54.872 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 77 Resp: 140196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 20.8 | 10.7 | 32.1 |



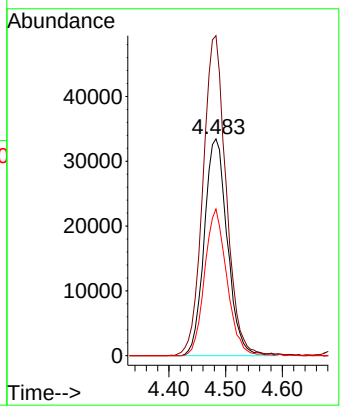


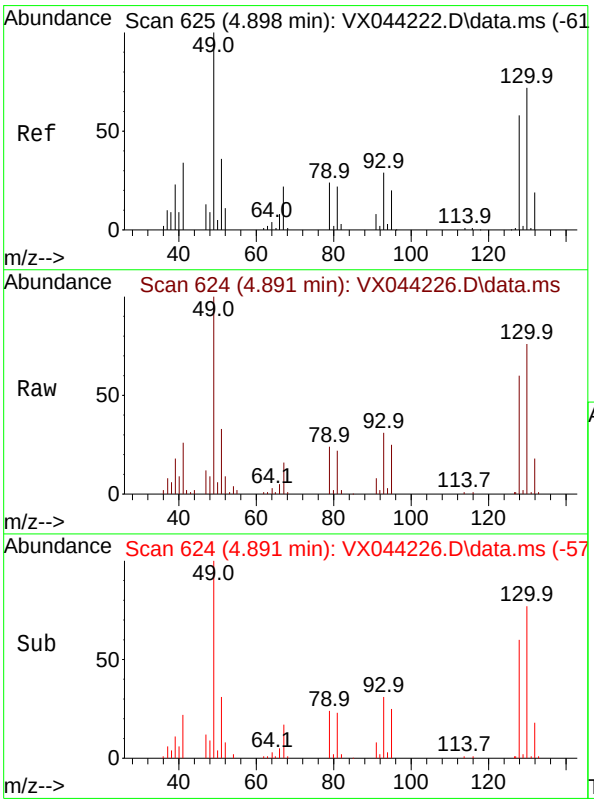

#27
cis-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 96 Resp: 94838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.7 | 0.0 | 299.0 |
| 98 | 64.9 | 0.0 | 129.0 |

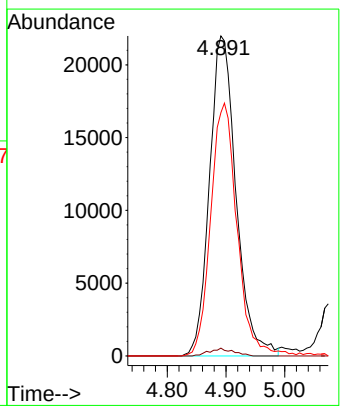


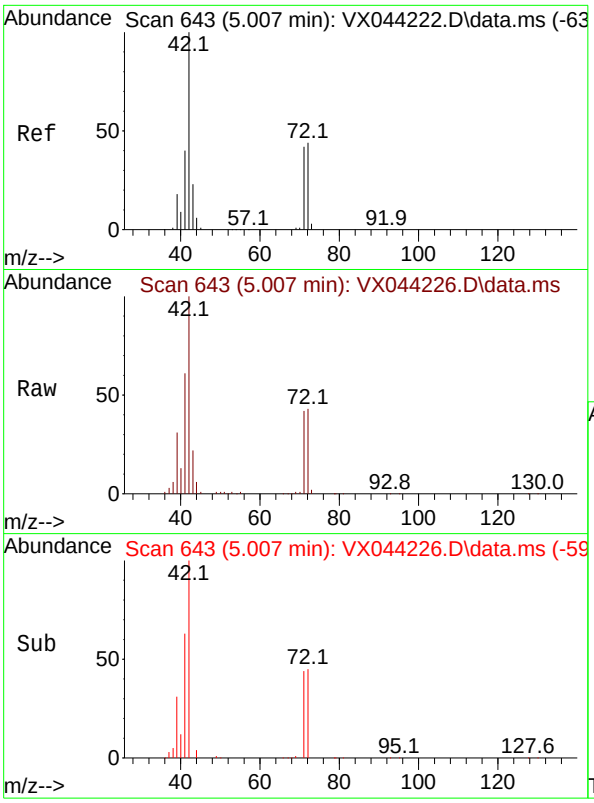




#28
Bromochloromethane
Concen: 44.832 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 49 Resp: 69139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.2 |
| 130 | 78.1 | 62.1 | 93.1 |



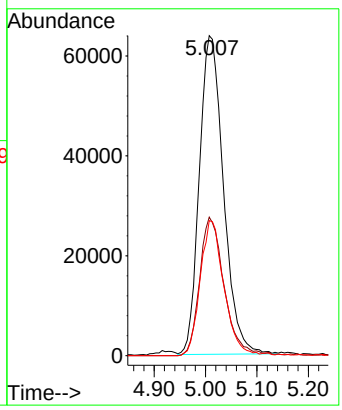


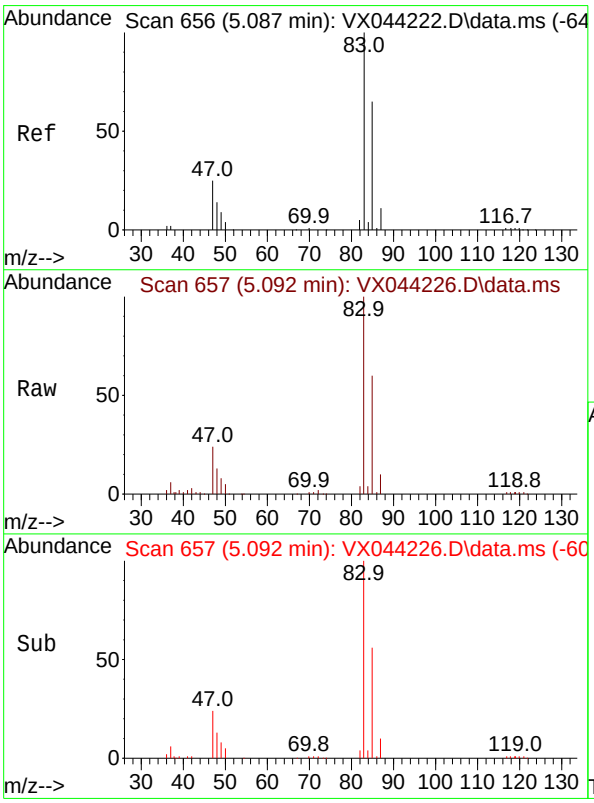

#29
Tetrahydrofuran
Concen: 238.031 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 42 Resp: 208362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.2 | 37.0 | 55.6 |
| 71 | 41.5 | 33.6 | 50.4 |

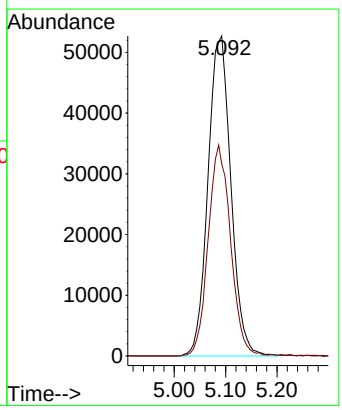


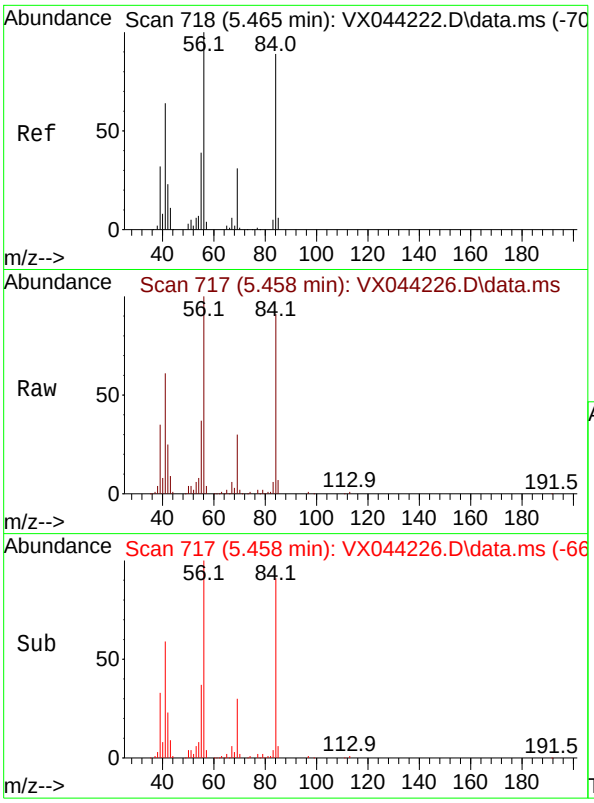




#30
Chloroform
Concen: 46.235 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 83 Resp: 163372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.0 | 51.6 | 77.4 |



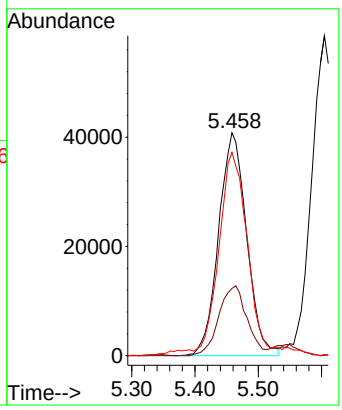


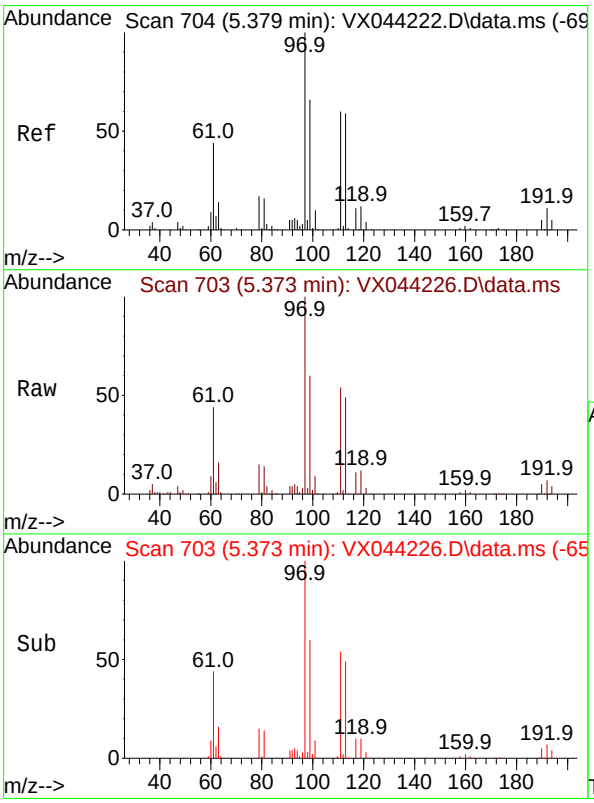

#31
Cyclohexane
Concen: 49.443 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 56 Resp: 125567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.2 | 24.7 | 37.1 |
| 84 | 88.8 | 71.0 | 106.6 |

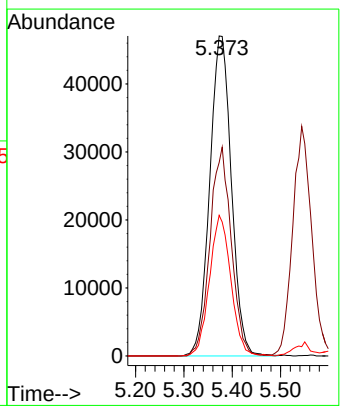


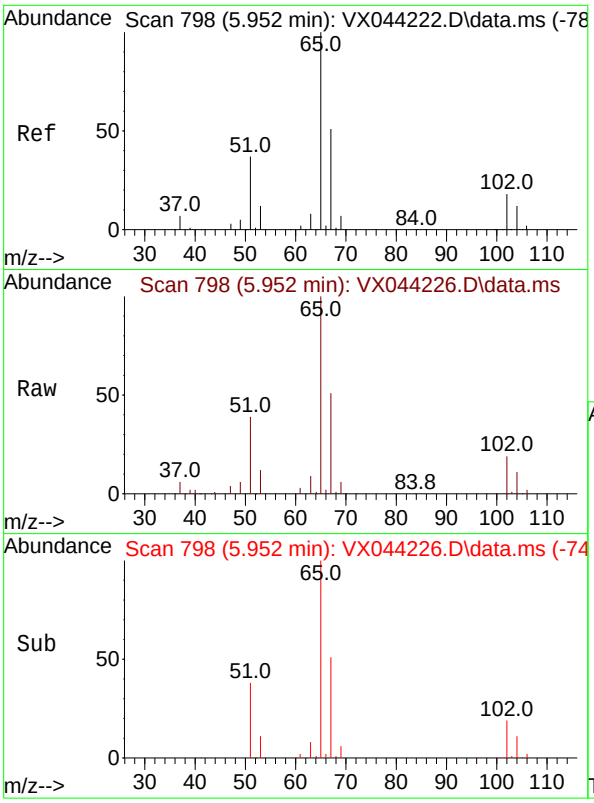




#32
1,1,1-Trichloroethane
Concen: 49.895 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 97 Resp: 146348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.2 | 50.8 | 76.2 |
| 61 | 43.3 | 35.2 | 52.8 |



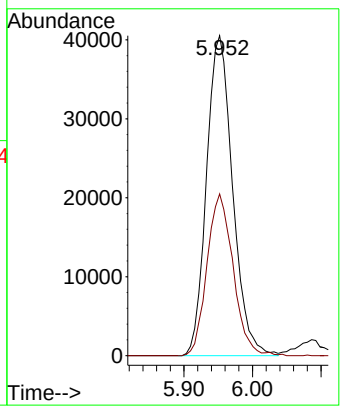


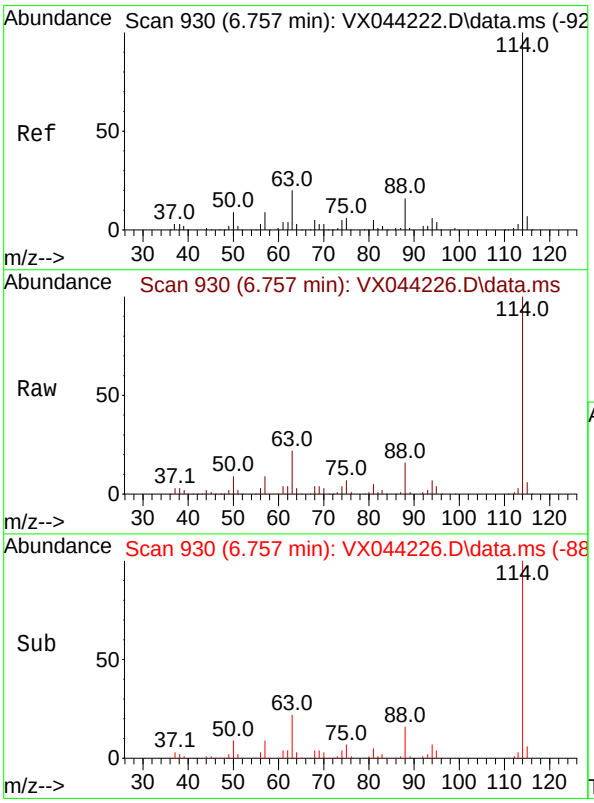

#33
1,2-Dichloroethane-d4
Concen: 45.646 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 65 Resp: 107407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |

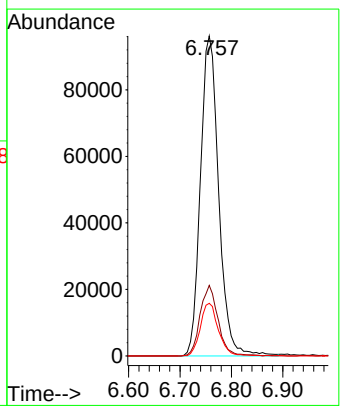


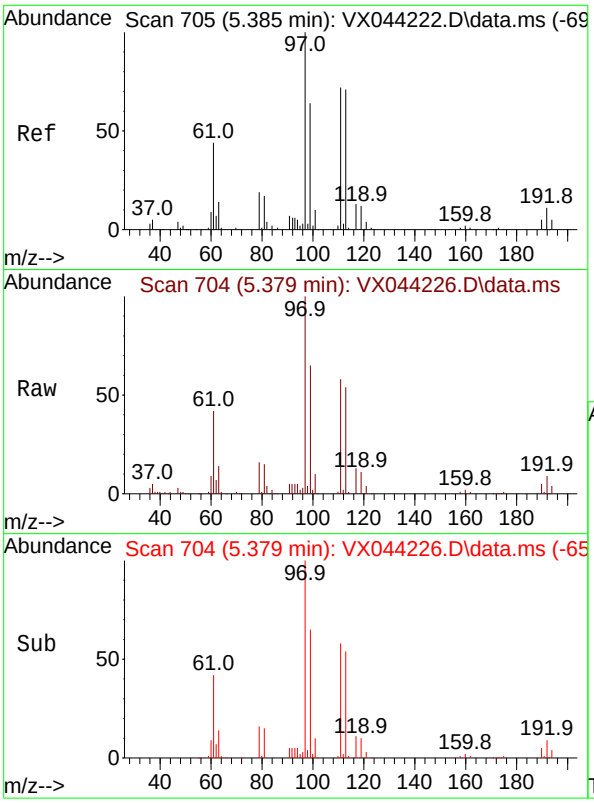




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:114 Resp: 237295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 40.6 |
| 88 | 16.4 | 0.0 | 31.8 |



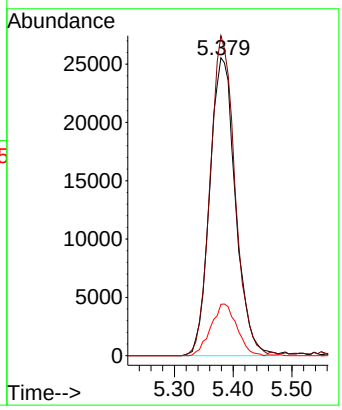


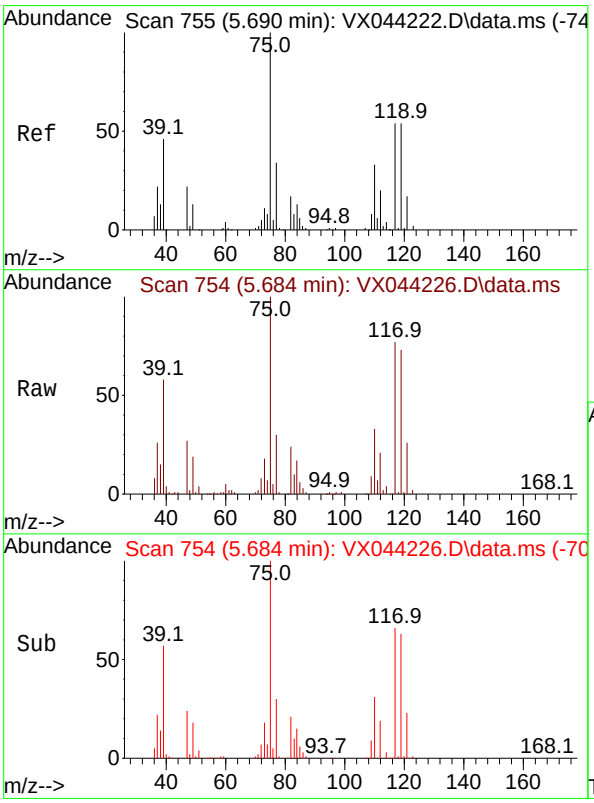

#35
Dibromofluoromethane
Concen: 47.228 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:113 Resp: 77619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.8 | 80.4 | 120.6 |
| 192 | 17.5 | 13.3 | 19.9 |

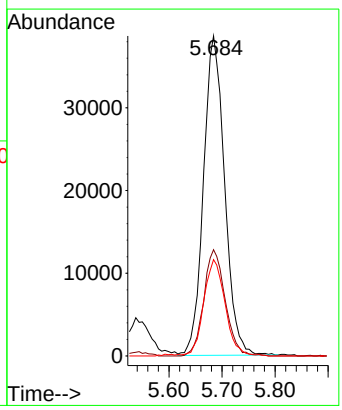


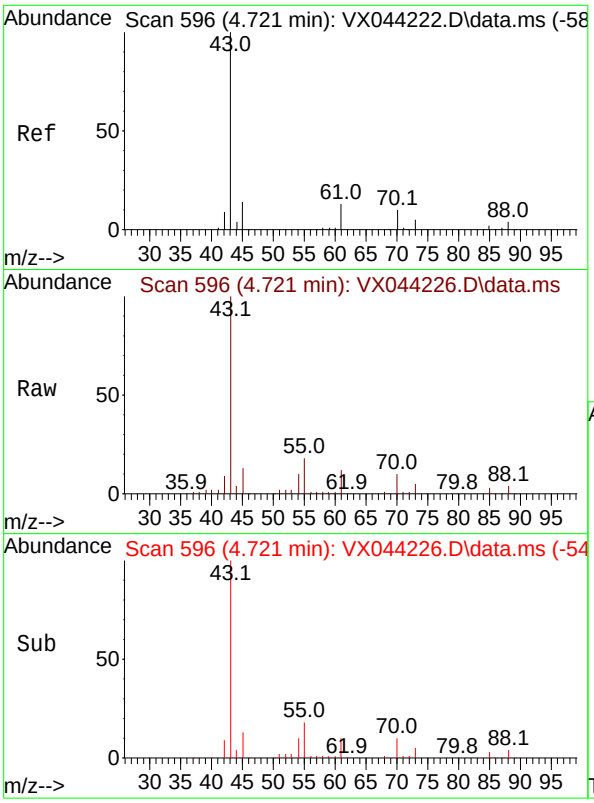




#36
1,1-Dichloropropene
Concen: 50.314 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 106889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 17.3 | 51.7 |
| 77 | 30.5 | 25.4 | 38.0 |



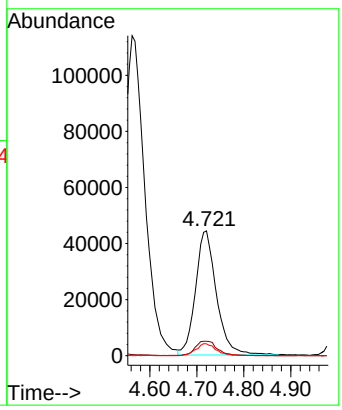


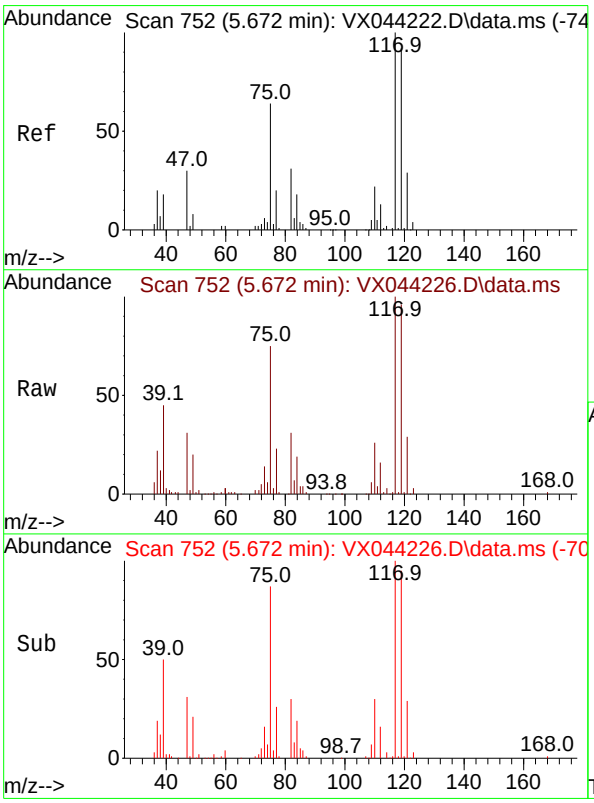

#37
Ethyl Acetate
Concen: 52.176 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 43 Resp: 137017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.0 | 9.8 | 14.8 |
| 70 | 9.4 | 7.7 | 11.5 |

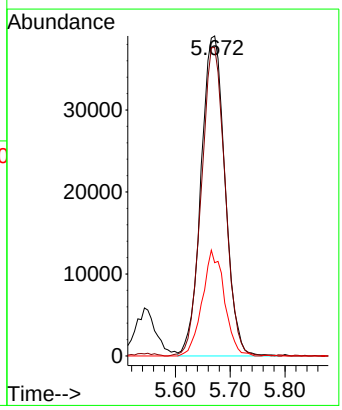


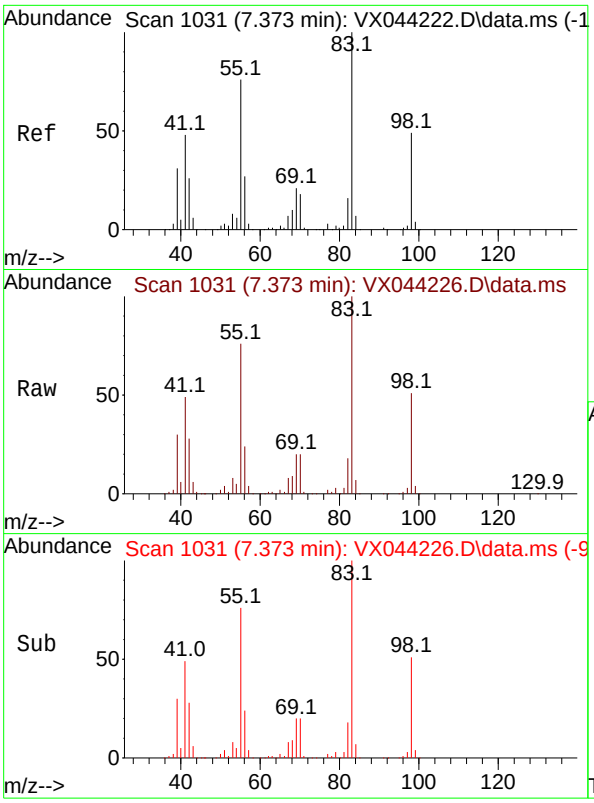




#38
Carbon Tetrachloride
Concen: 51.763 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:117 Resp: 118390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 74.2 | 111.4 |
| 121 | 29.1 | 23.0 | 34.6 |



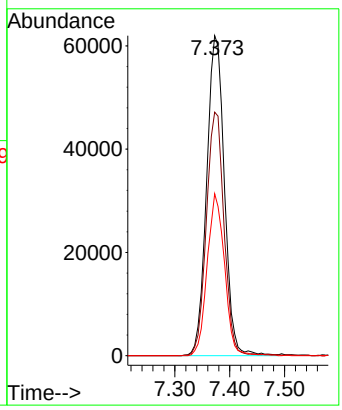


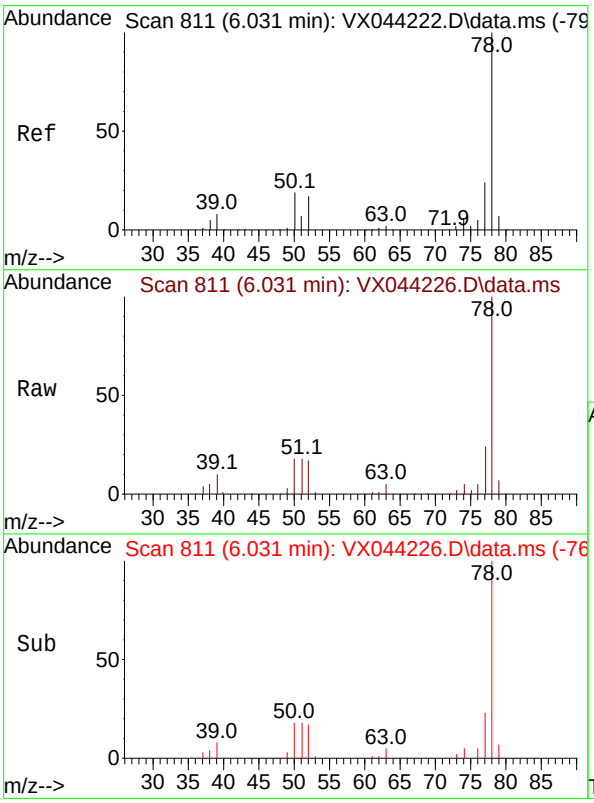

#39
Methylcyclohexane
Concen: 54.761 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 83 Resp: 139077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.1 | 60.7 | 91.1 |
| 98 | 50.6 | 38.9 | 58.3 |

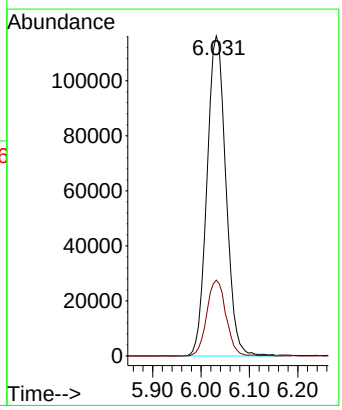


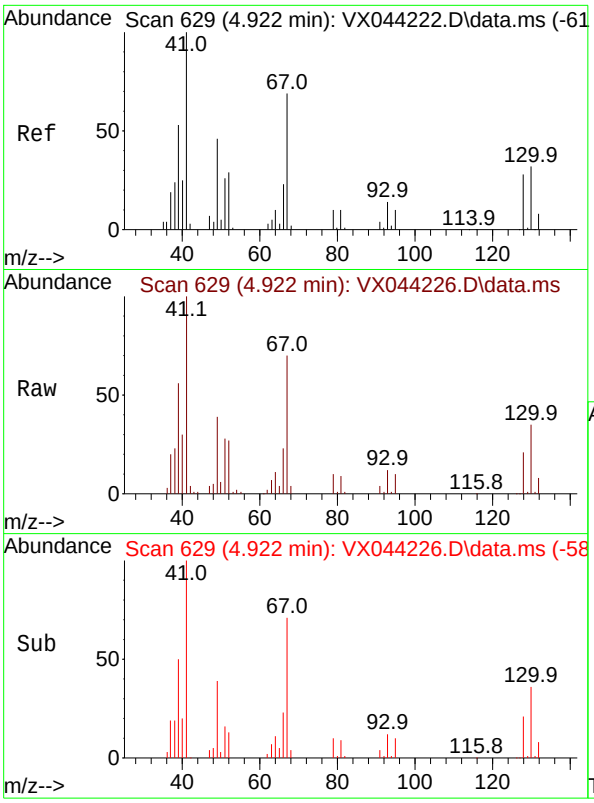




#40
Benzene
Concen: 49.052 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 78 Resp: 316391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.3 | 28.9 |



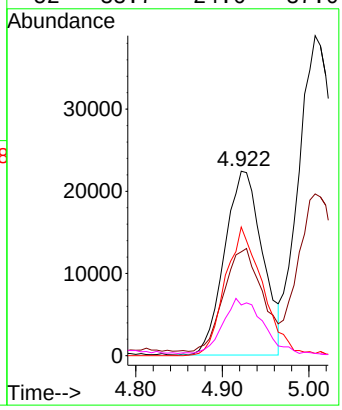


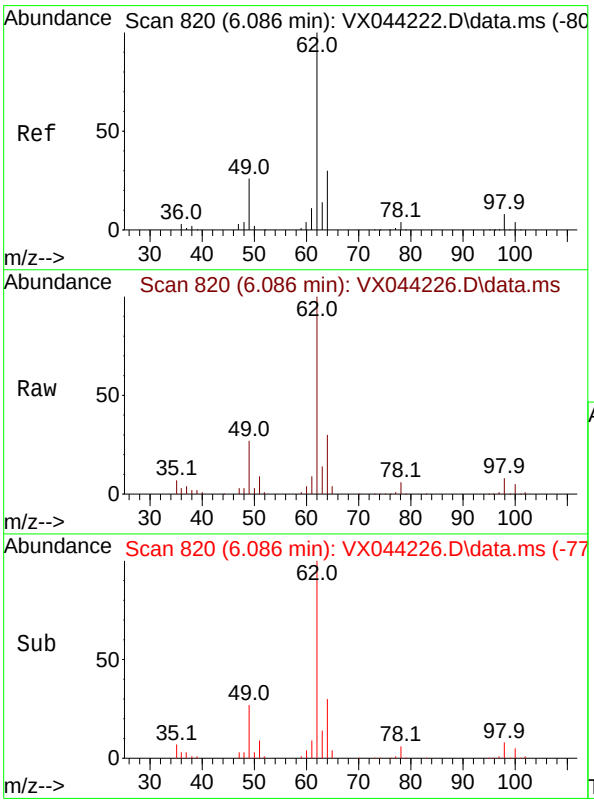

#41
Methacrylonitrile
Concen: 48.945 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 41 Resp: 68251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.3 | 44.2 | 66.4 |
| 67 | 69.8 | 57.2 | 85.8 |
| 52 | 33.7 | 24.6 | 37.0 |

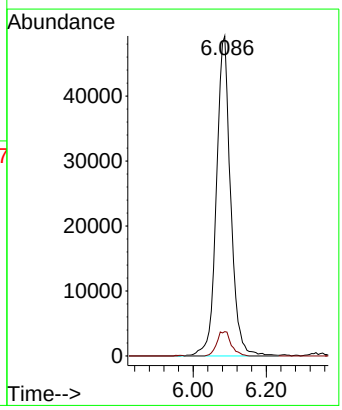


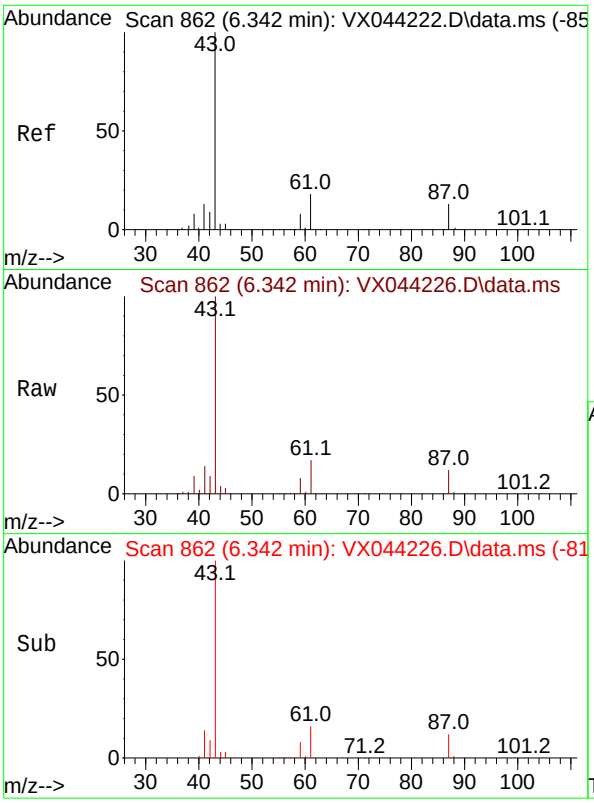




#42
1,2-Dichloroethane
Concen: 49.960 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 62 Resp: 132744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.7 | 0.0 | 15.8 |



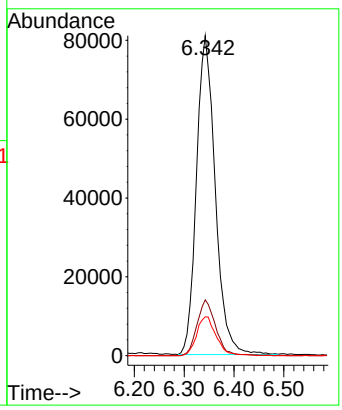


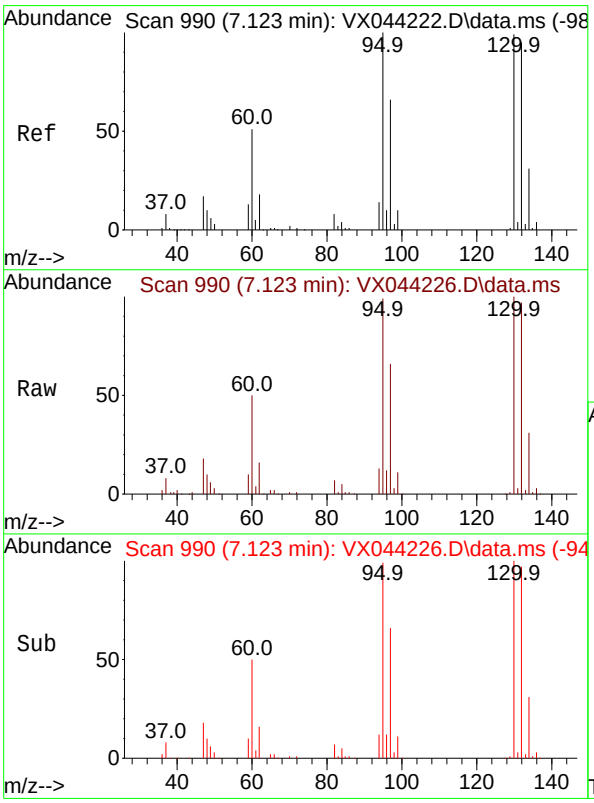

#43
Isopropyl Acetate
Concen: 51.624 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 43 Resp: 211889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.4 | 14.2 | 21.2 |
| 87 | 12.7 | 10.2 | 15.2 |

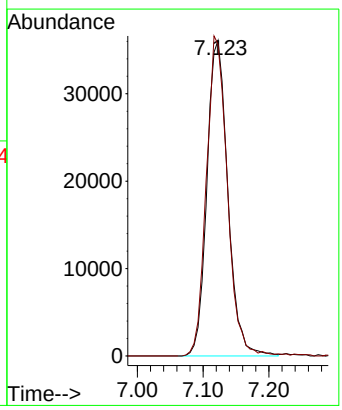


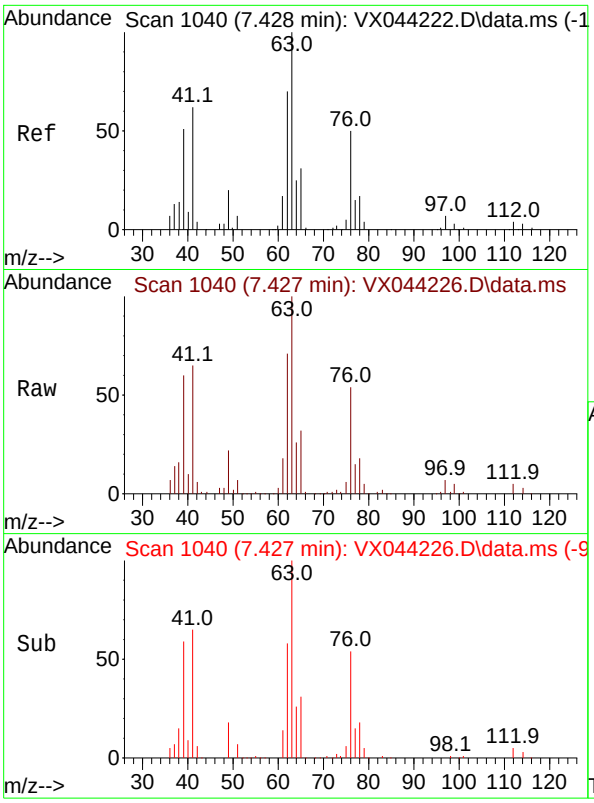




#44
Trichloroethene
Concen: 49.741 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:130 Resp: 80008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.8 | 0.0 | 201.4 |



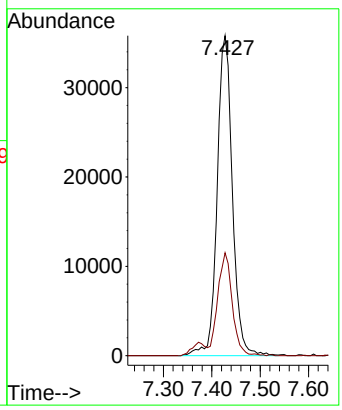


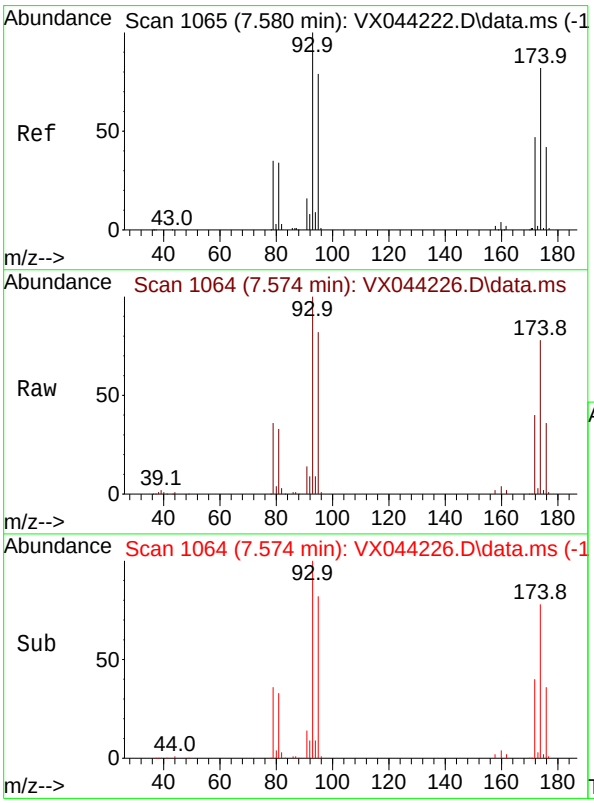

#45
1,2-Dichloropropane
Concen: 47.528 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 63 Resp: 78321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.1 | 24.6 | 37.0 |

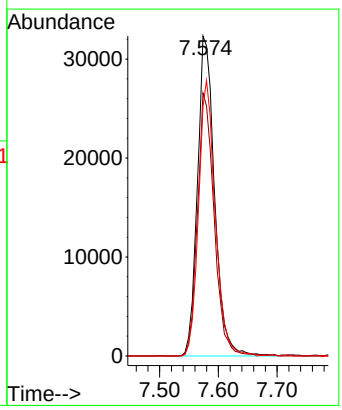


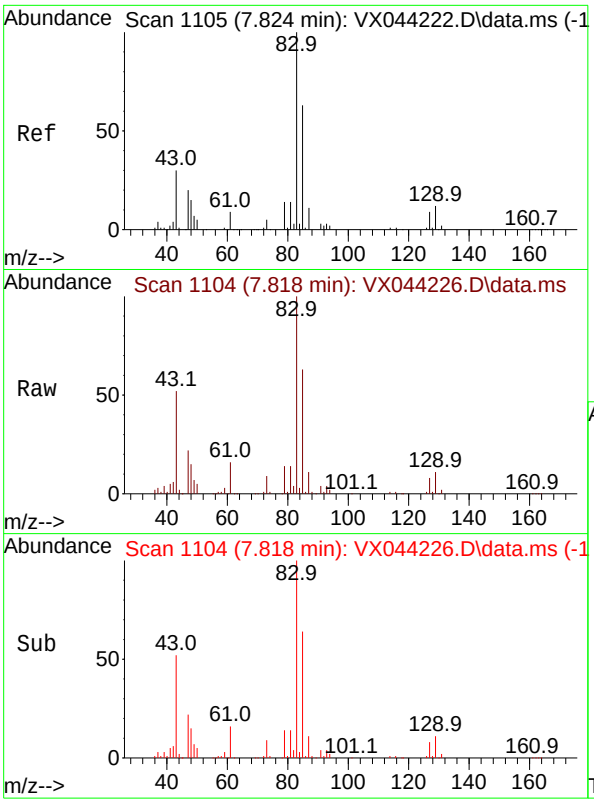




#46
Dibromomethane
Concen: 51.227 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 93 Resp: 65491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.5 | 65.4 | 98.2 |
| 174 | 84.0 | 67.9 | 101.9 |



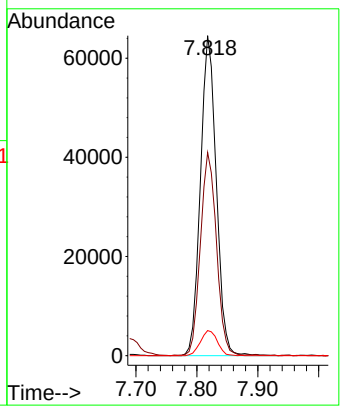


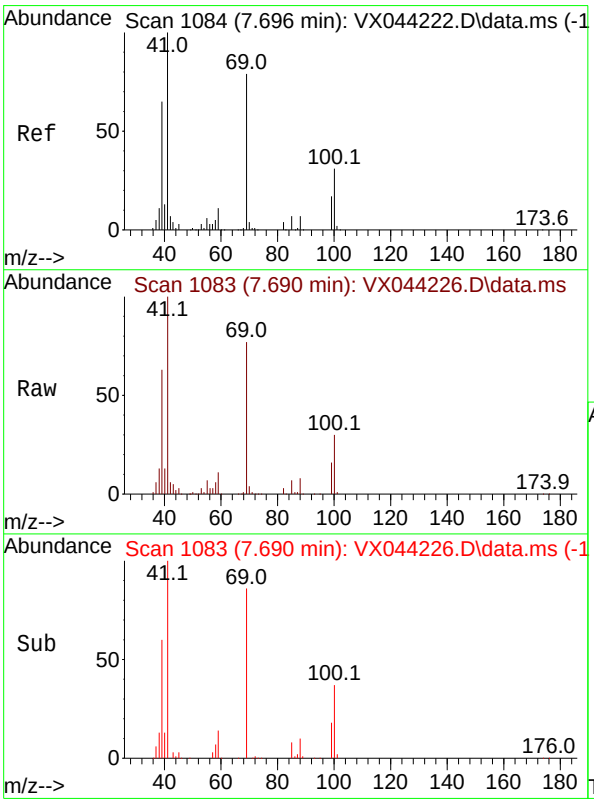

#47
Bromodichloromethane
Concen: 52.893 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 83 Resp: 116783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 50.6 | 75.8 |
| 127 | 7.9 | 7.3 | 10.9 |

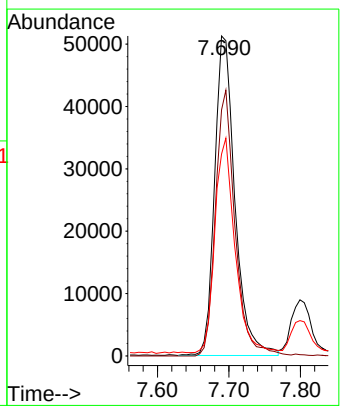


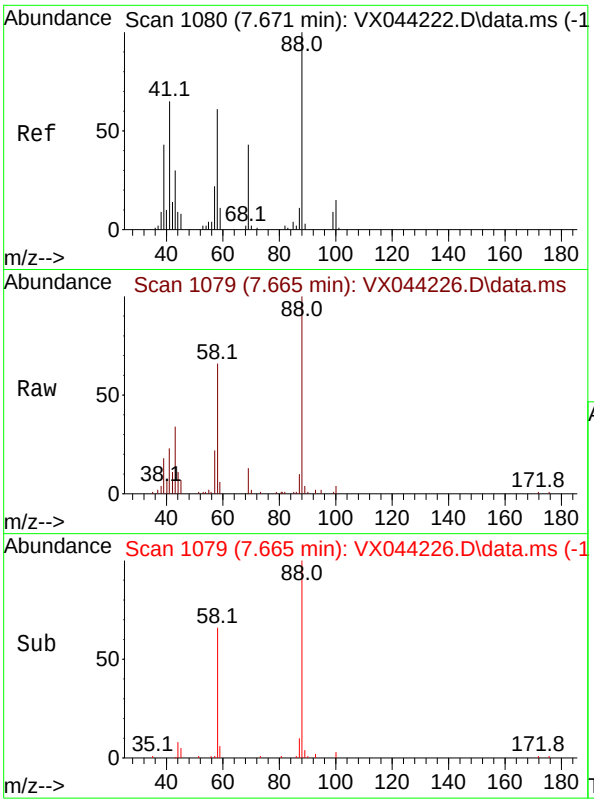




#48
Methyl methacrylate
Concen: 50.852 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 101318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.9 | 62.4 | 93.6 |
| 39 | 66.0 | 53.3 | 79.9 |



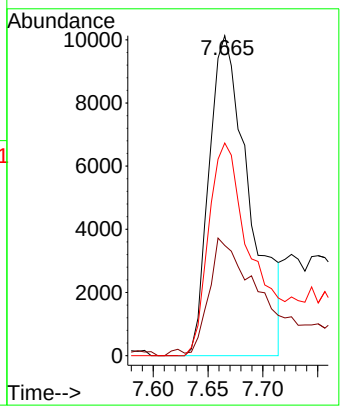


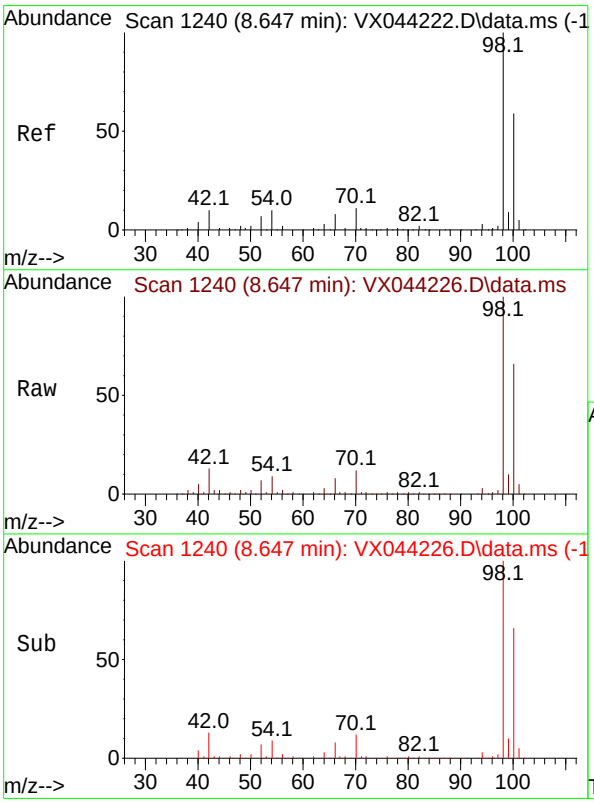

#49
1,4-Dioxane
Concen: 791.313 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 88 Resp: 26140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 51.8 | 27.1 | 40.7# |
| 58 | 70.7 | 41.0 | 61.4# |

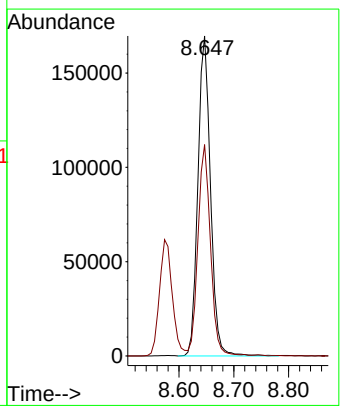


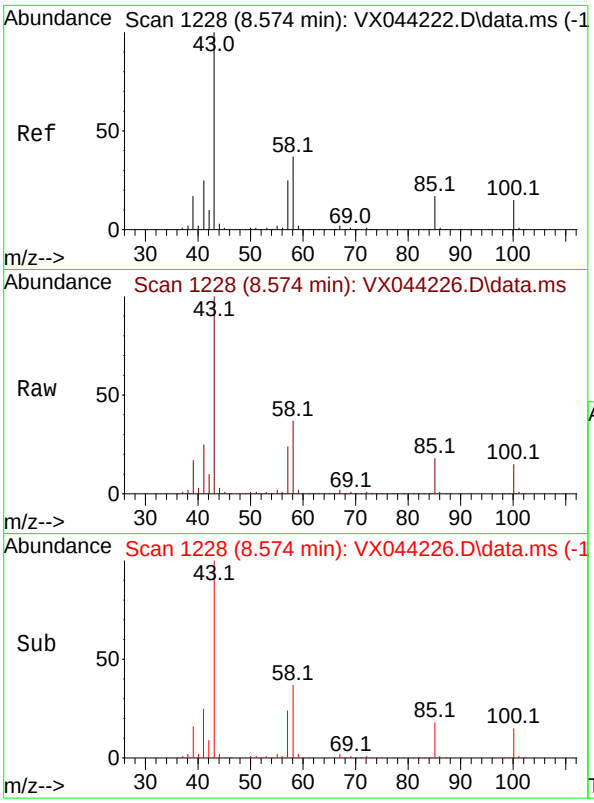




#50
Toluene-d8
Concen: 48.968 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 98 Resp: 271508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 51.5 | 77.3 |



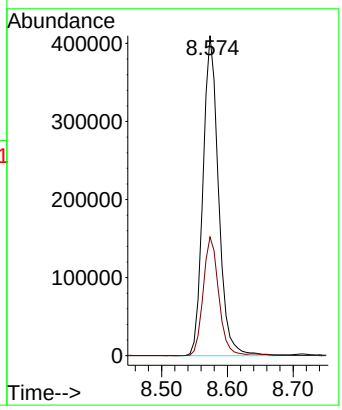


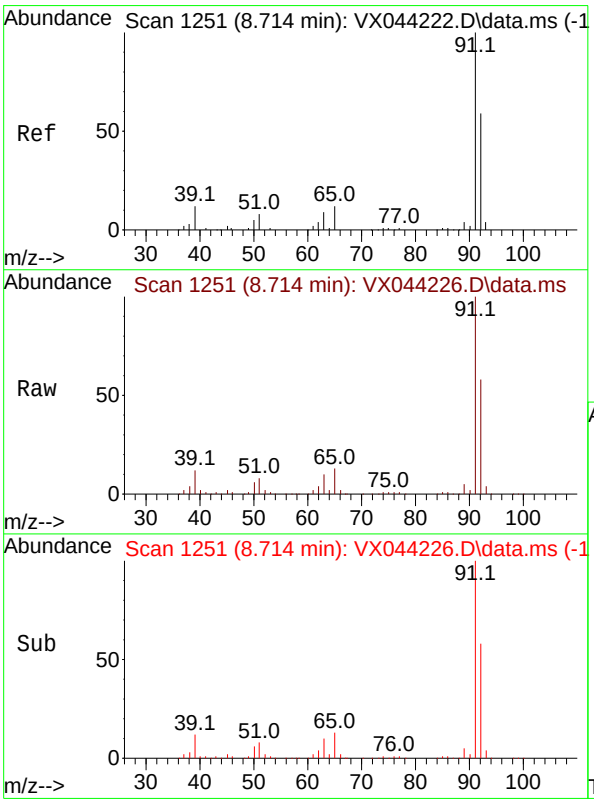

#51
4-Methyl-2-Pentanone
Concen: 255.038 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 43 Resp: 673069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.0 | 29.4 | 44.0 |

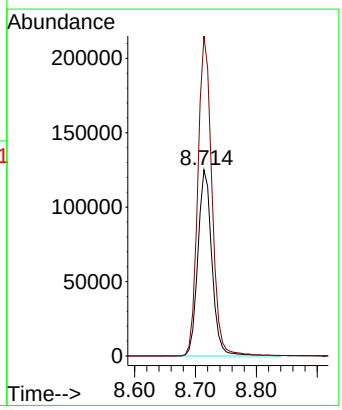


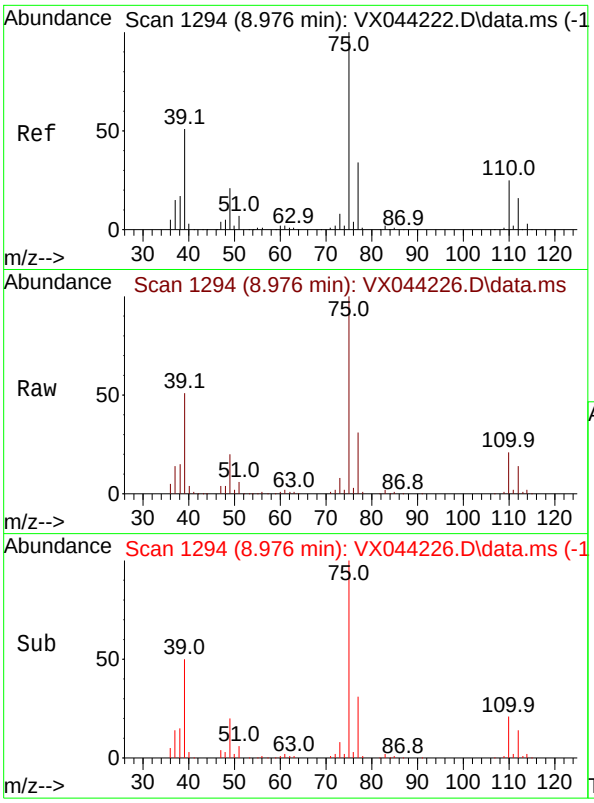




#52
Toluene
Concen: 49.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 92 Resp: 199281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.2 | 137.0 | 205.6 |



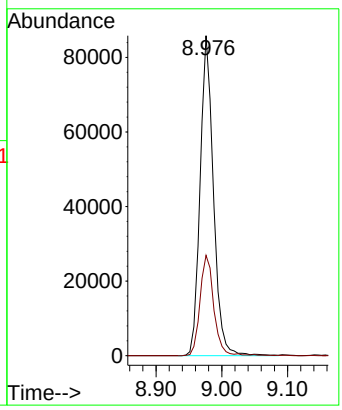


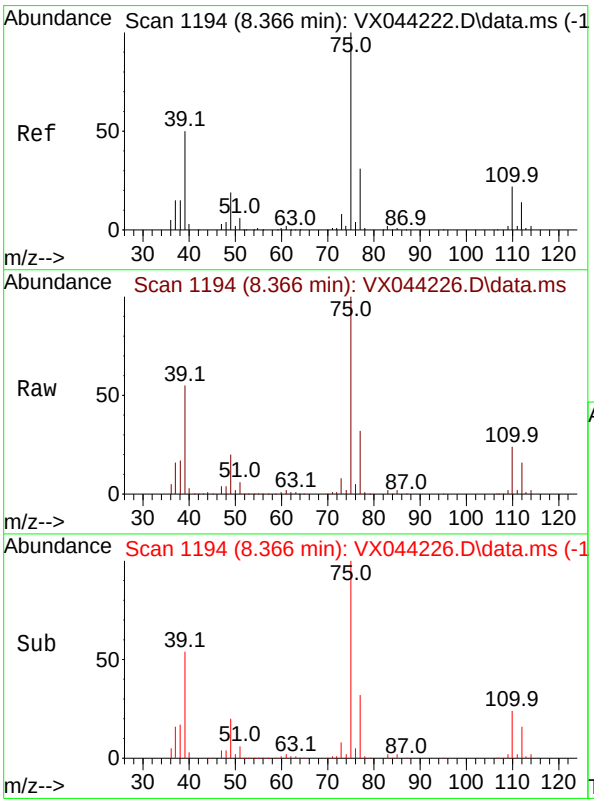

#53
t-1,3-Dichloropropene
Concen: 50.864 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 75 Resp: 120696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 27.2 | 40.8 |

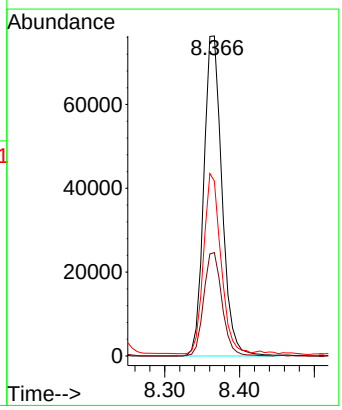


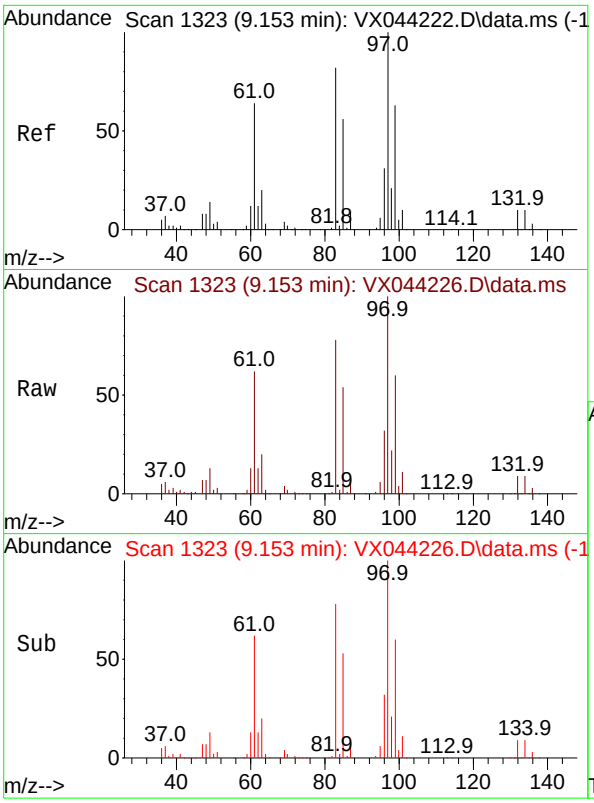




#54
cis-1,3-Dichloropropene
Concen: 53.607 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 128875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 24.7 | 37.1 |
| 39 | 53.9 | 40.3 | 60.5 |



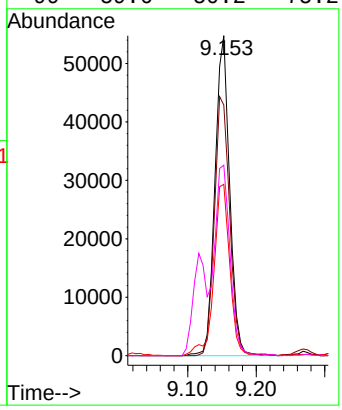


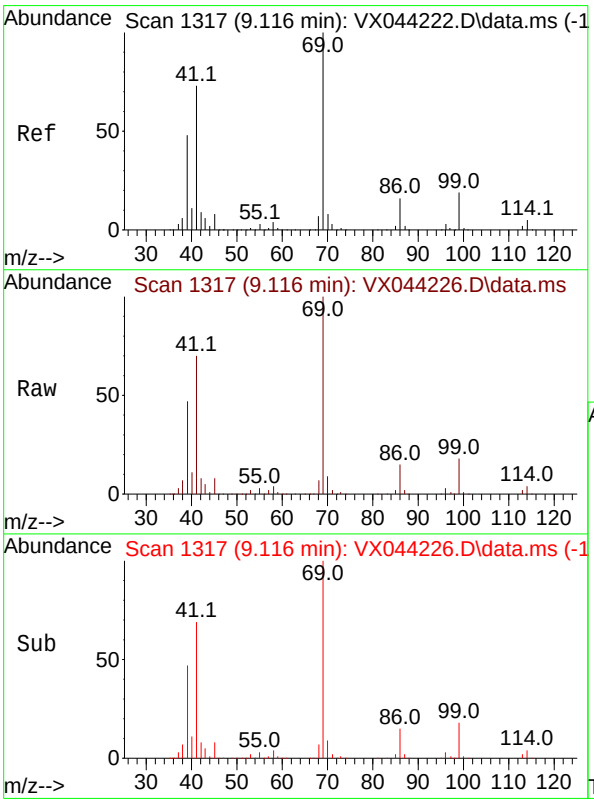

#55
1,1,2-Trichloroethane
Concen: 50.562 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 97 Resp: 81362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 78.3 | 65.3 | 97.9 |
| 85 | 53.6 | 44.6 | 67.0 |
| 99 | 59.6 | 50.2 | 75.2 |

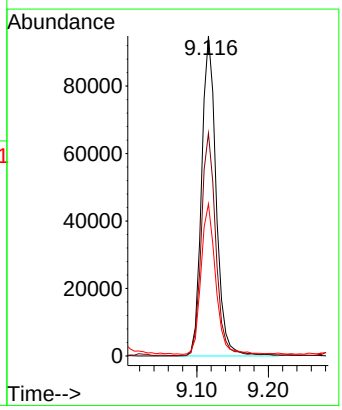


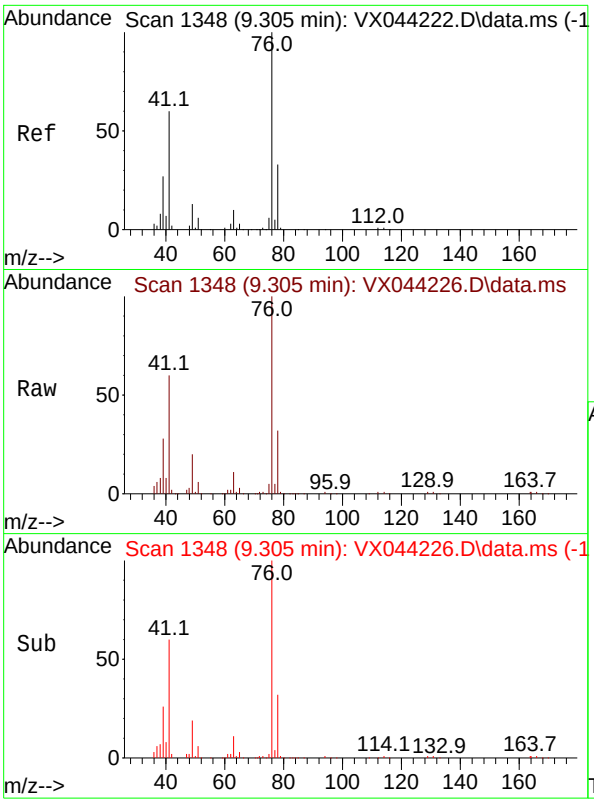




#56
Ethyl methacrylate
Concen: 52.890 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 69 Resp: 134357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.6 | 56.6 | 85.0 |
| 39 | 47.2 | 37.4 | 56.0 |



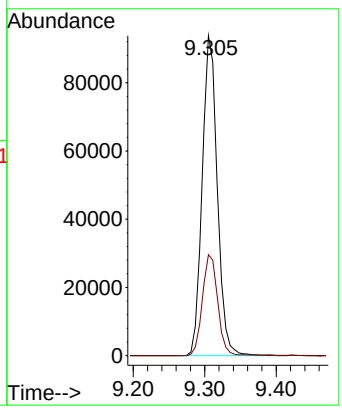


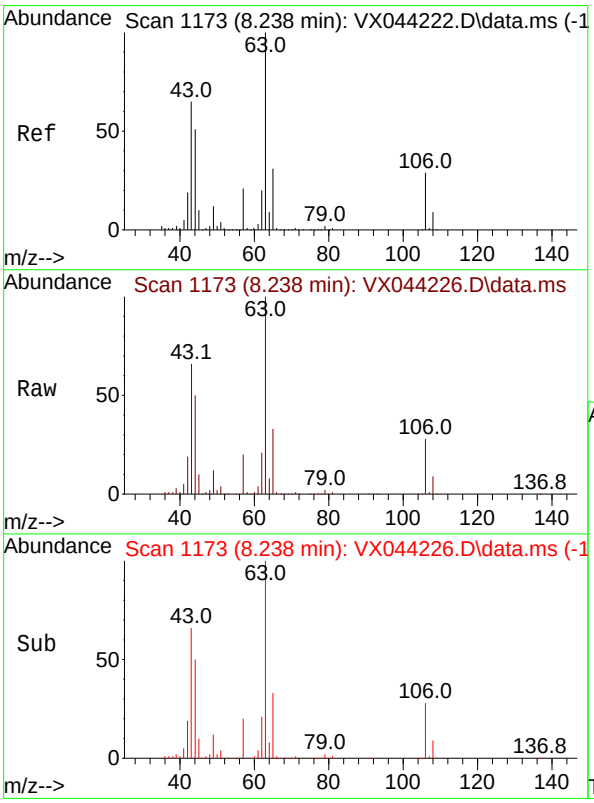

#57
1,3-Dichloropropane
Concen: 49.165 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 76 Resp: 137705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 26.5 | 39.7 |

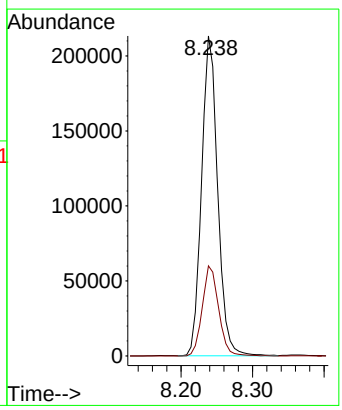


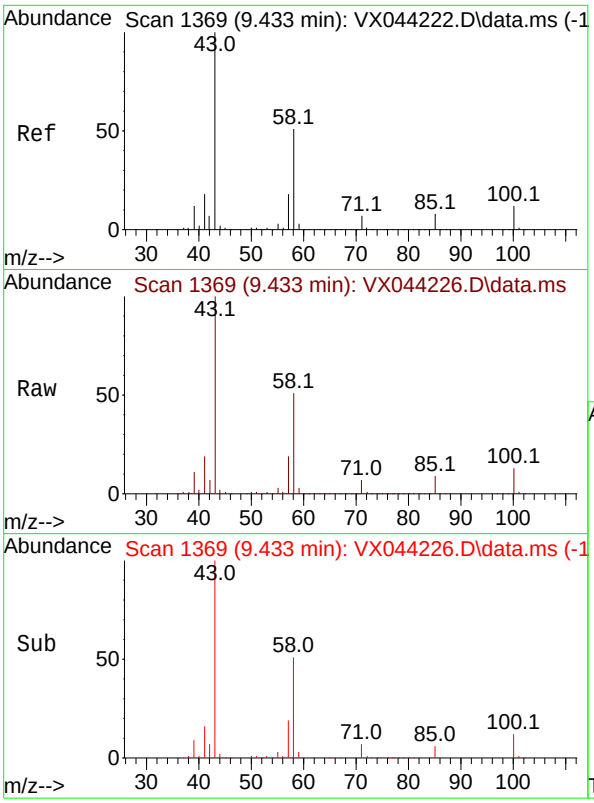




#58
2-Chloroethyl Vinyl ether
Concen: 259.586 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 332599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 22.8 | 34.2 |



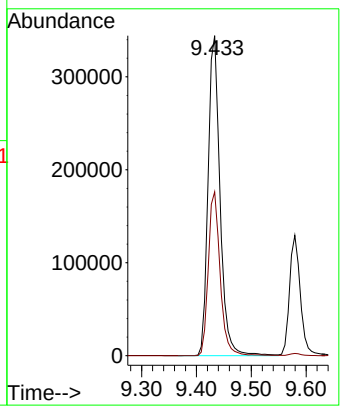


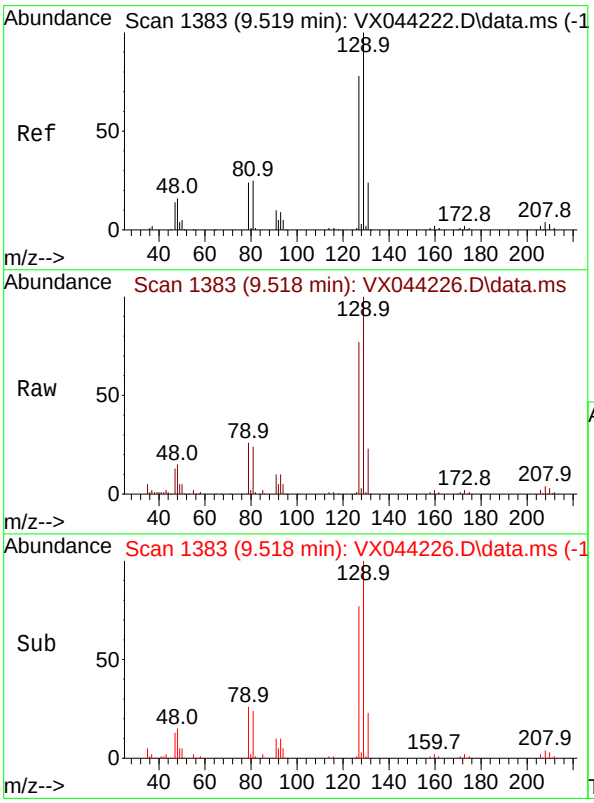

#59
2-Hexanone
Concen: 271.943 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 43 Resp: 519476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.7 | 25.7 | 77.0 |

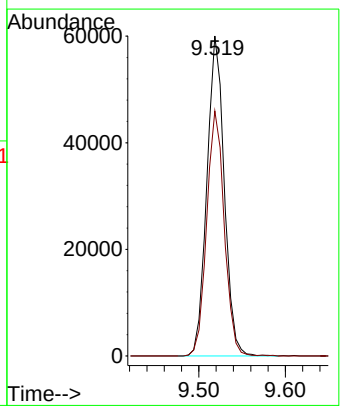


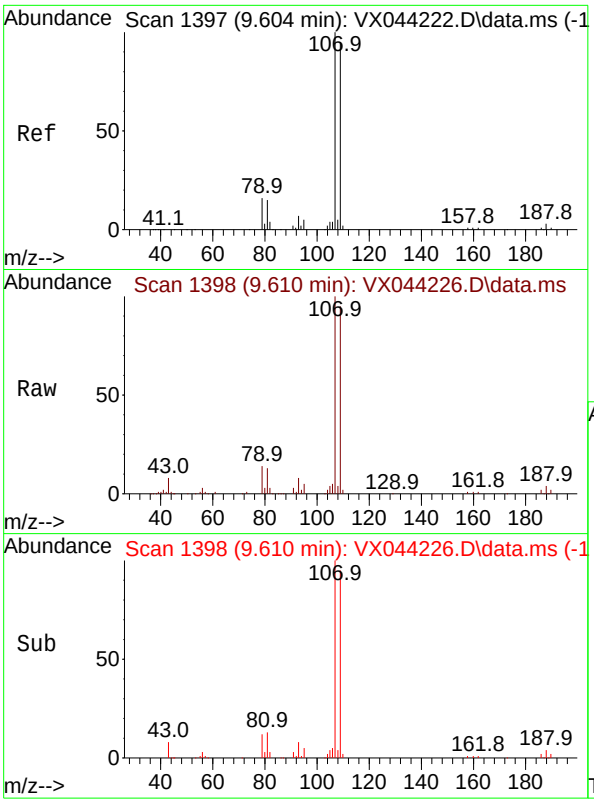




#60
Dibromochloromethane
Concen: 49.073 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:129 Resp: 83515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.5 | 38.5 | 115.3 |



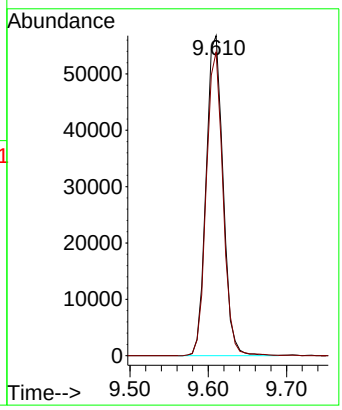


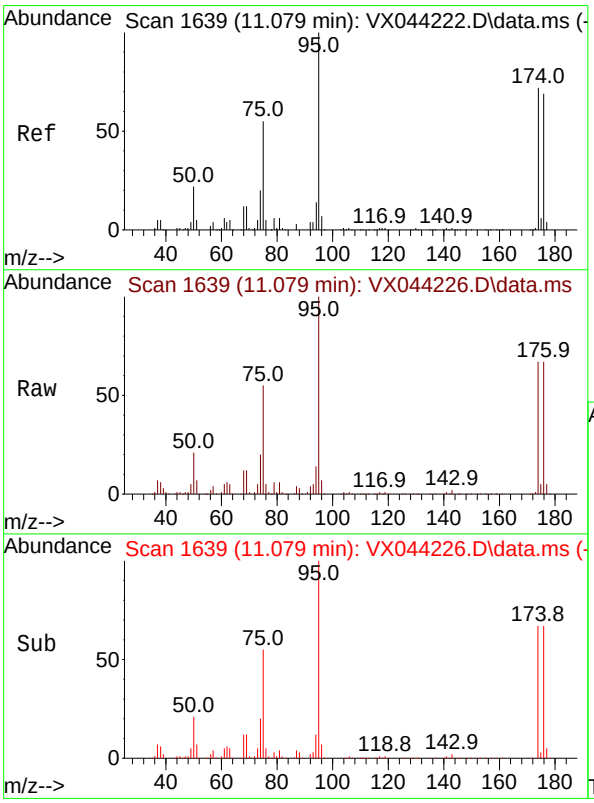

#61
1,2-Dibromoethane
Concen: 51.909 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:107 Resp: 85024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 77.0 | 115.4 |

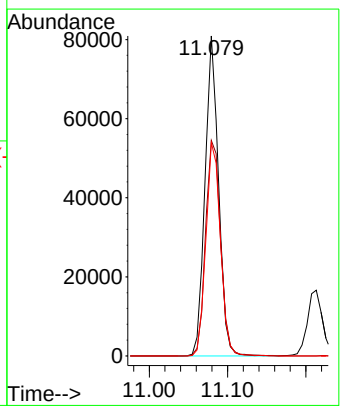


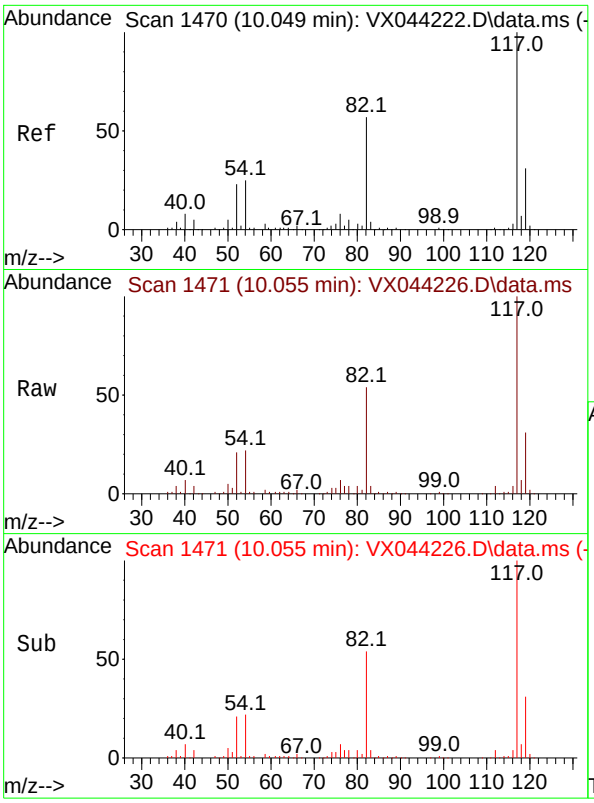




#62
4-Bromofluorobenzene
Concen: 50.098 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 95 Resp: 97061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.3 | 0.0 | 145.8 |
| 176 | 71.4 | 0.0 | 137.8 |



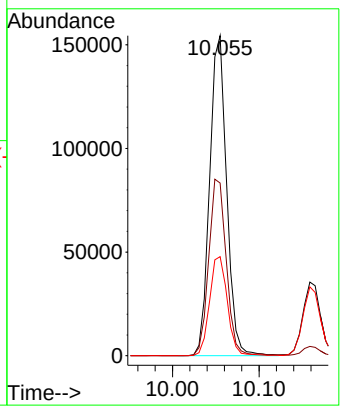


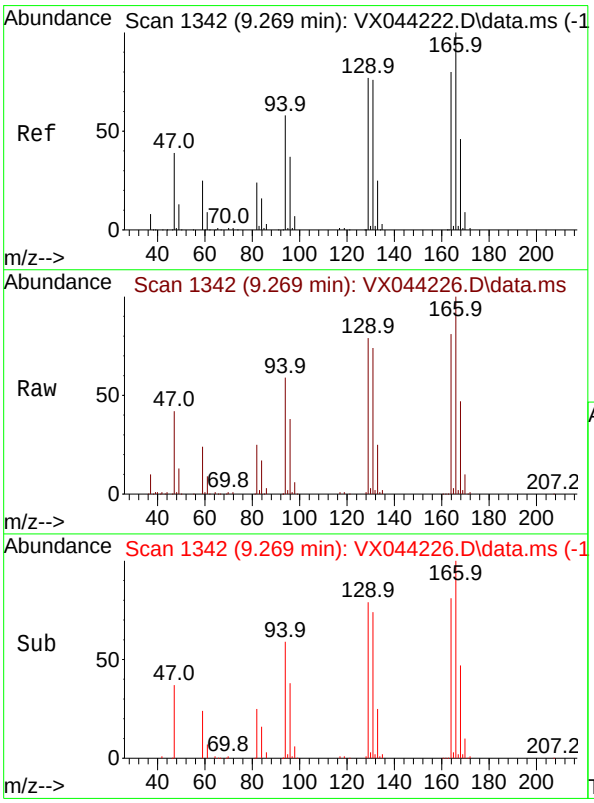

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:117 Resp: 210572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.0 | 45.8 | 68.8 |
| 119 | 31.0 | 25.0 | 37.4 |

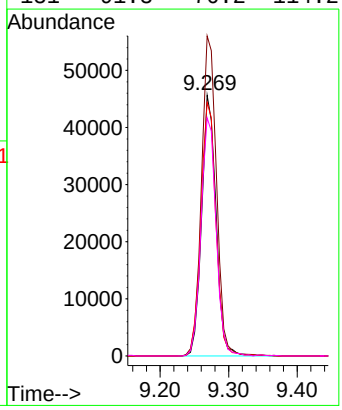


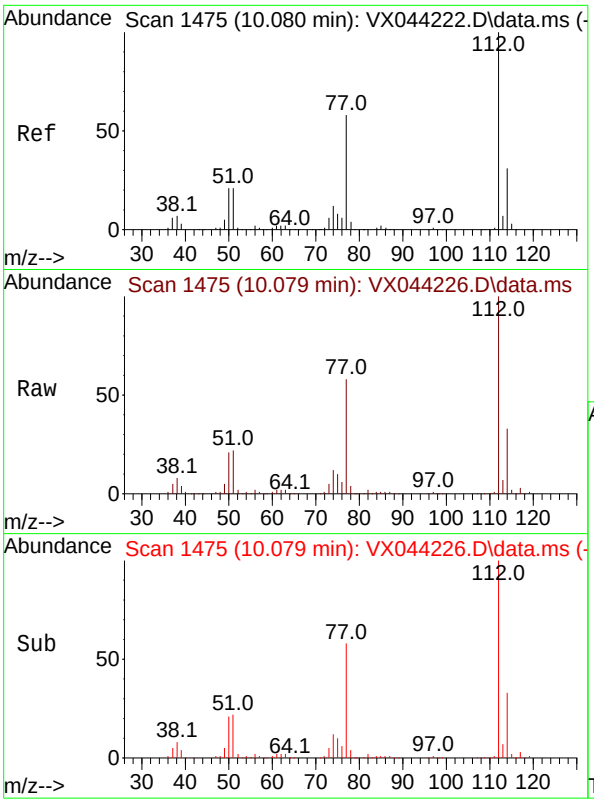




#64
Tetrachloroethene
Concen: 47.702 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:164 Resp: 66669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 122.8 | 100.4 | 150.6 |
| 129 | 97.2 | 77.2 | 115.8 |
| 131 | 91.3 | 76.2 | 114.2 |



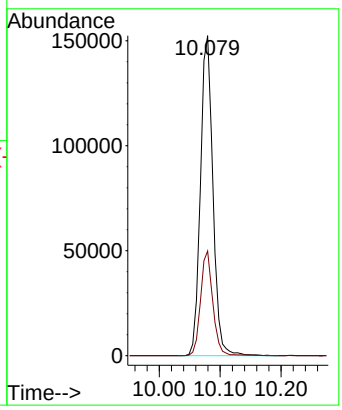


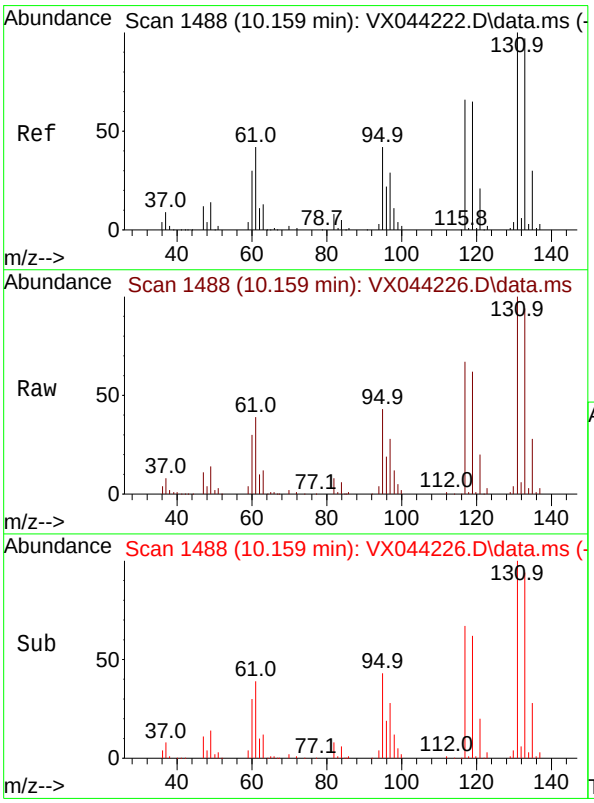

#65
Chlorobenzene
Concen: 48.133 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:112 Resp: 217180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.7 | 25.0 | 37.6 |

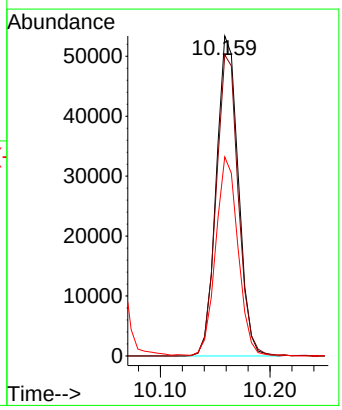


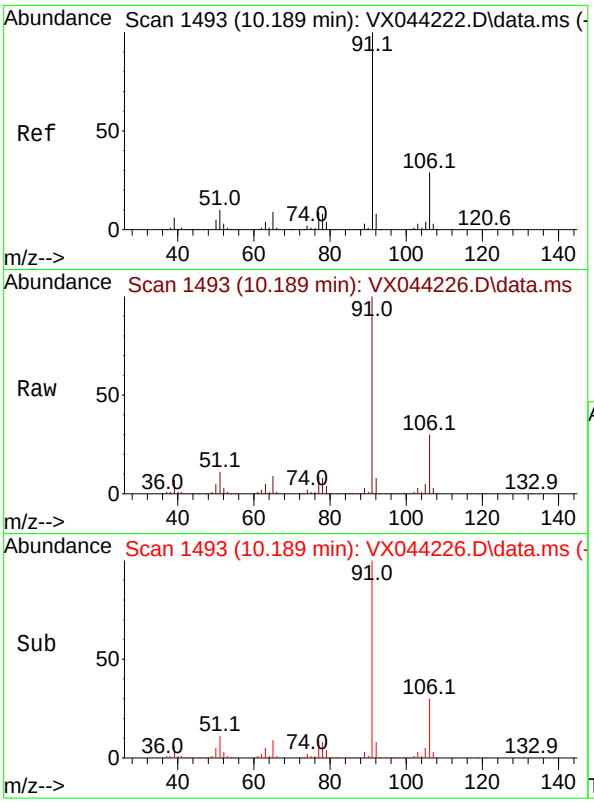




#66
1,1,1,2-Tetrachloroethane
Concen: 51.396 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:131 Resp: 74531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.6 | 47.3 | 141.8 |
| 119 | 63.3 | 31.6 | 95.0 |



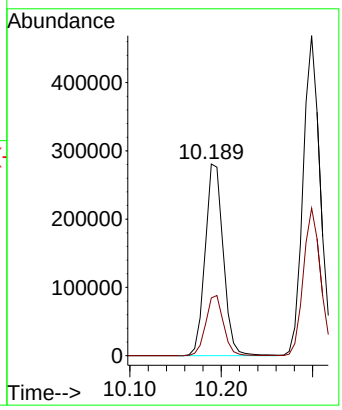


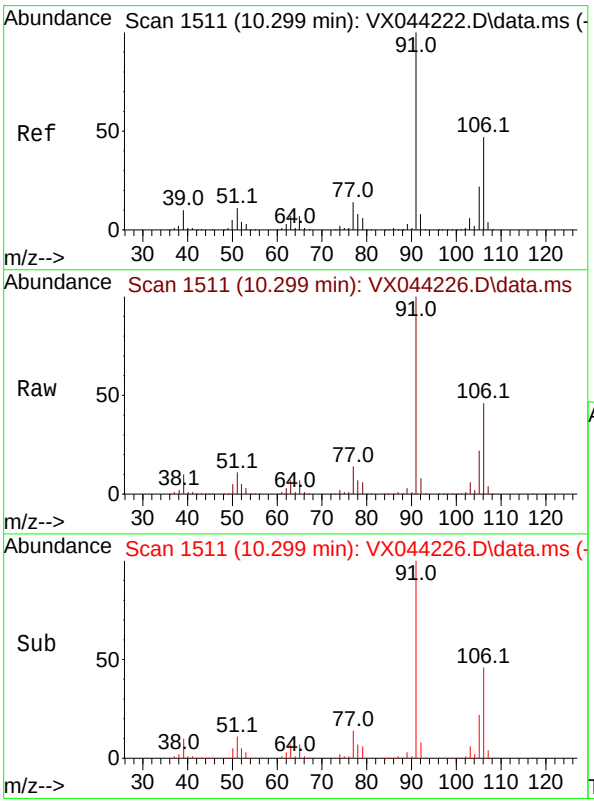

#67
Ethyl Benzene
Concen: 49.461 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 91 Resp: 385605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 23.5 | 35.3 |

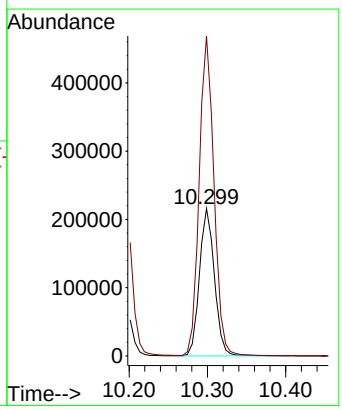


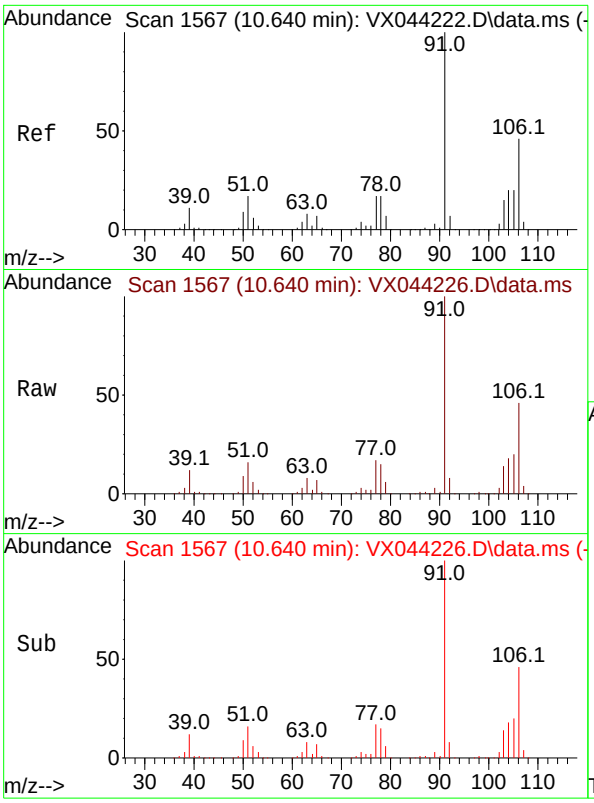




#68
m/p-Xylenes
Concen: 99.896 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:106 Resp: 285774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.6 | 170.2 | 255.2 |



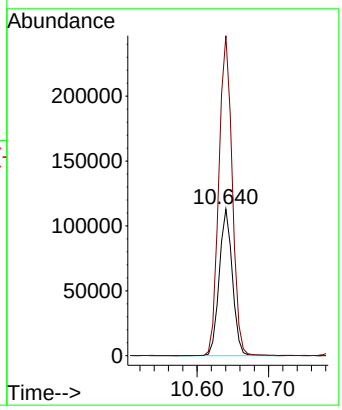


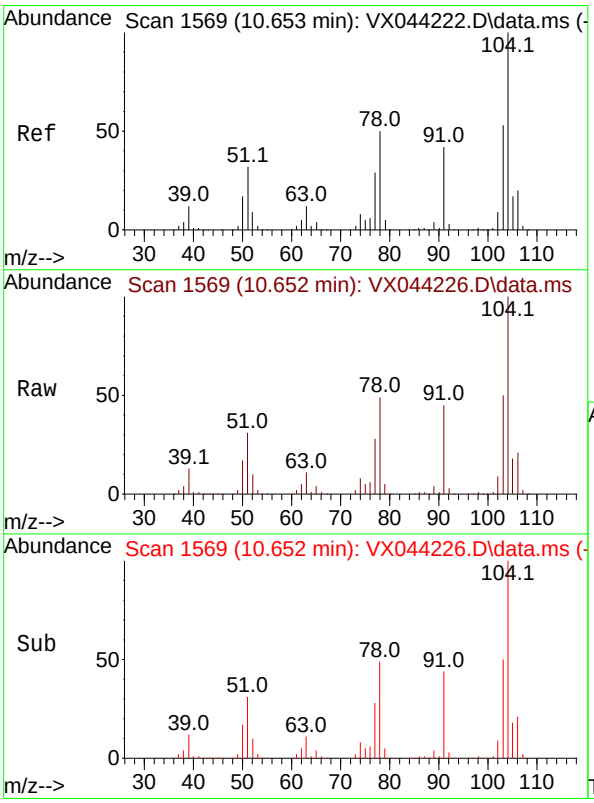

#69
o-Xylene
Concen: 49.750 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:106 Resp: 144001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.9 | 112.3 | 337.0 |

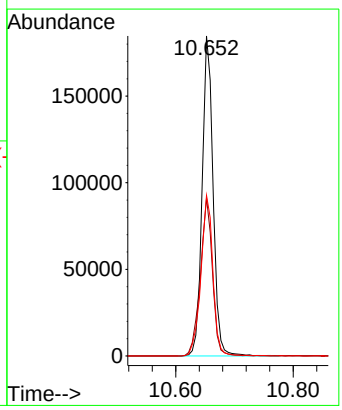


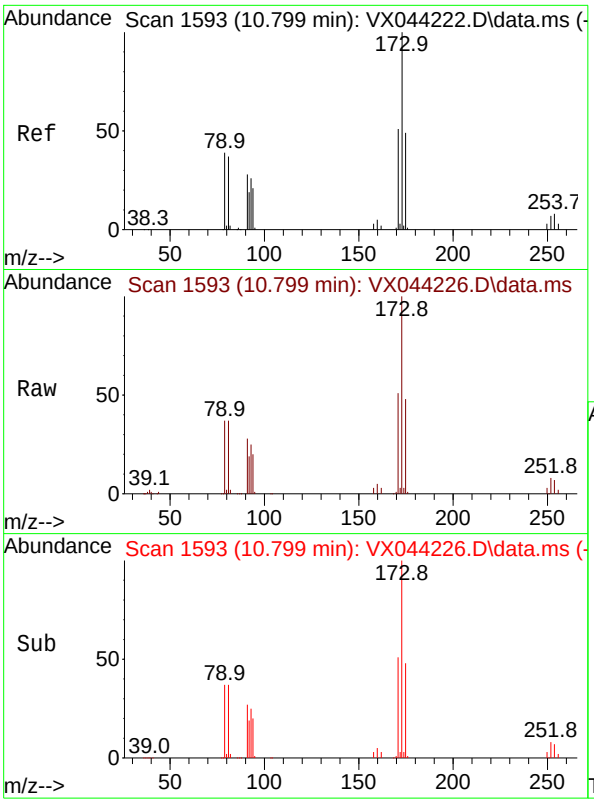




#70
Styrene
Concen: 51.617 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:104 Resp: 239508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.5 | 44.6 | 67.0 |
| 103 | 54.9 | 45.4 | 68.0 |



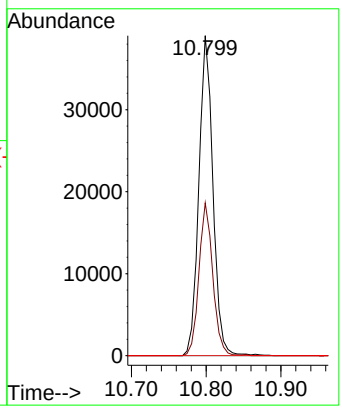


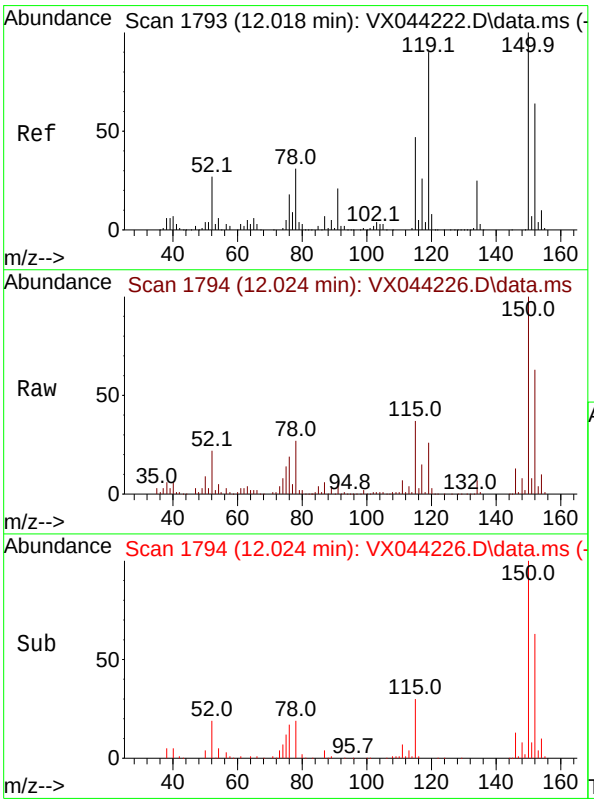

#71
Bromoform
Concen: 50.269 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:173 Resp: 50972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.1 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

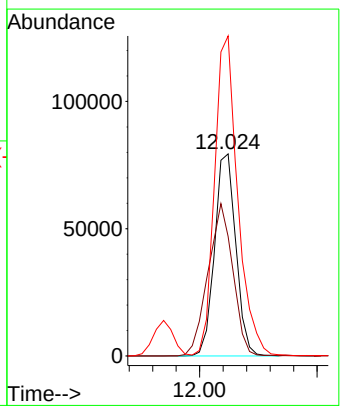


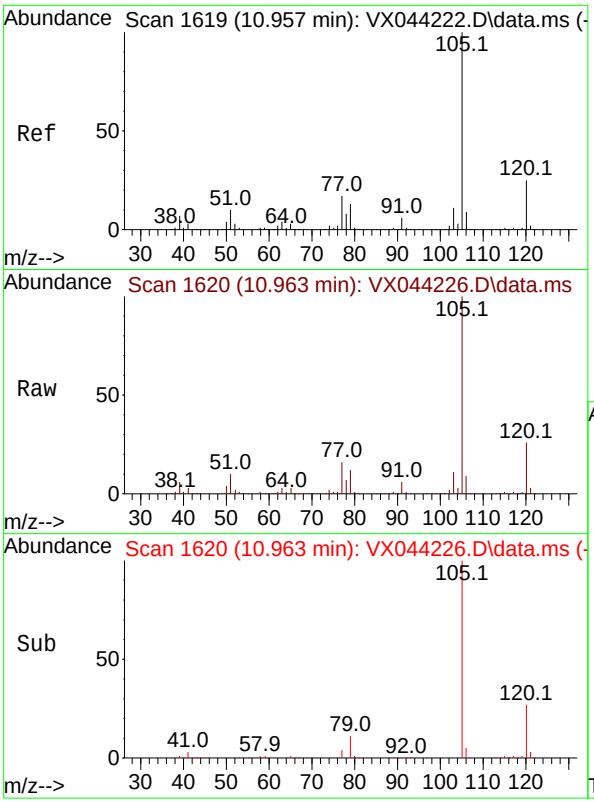




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:152 Resp: 99879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 87.8 | 44.5 | 133.3 |
| 150 | 172.2 | 0.0 | 353.8 |



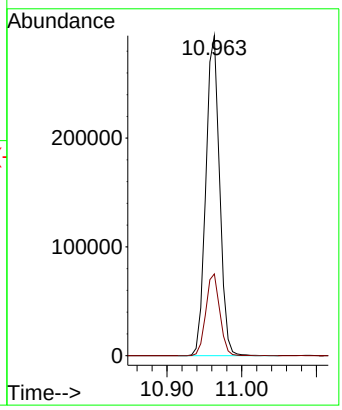


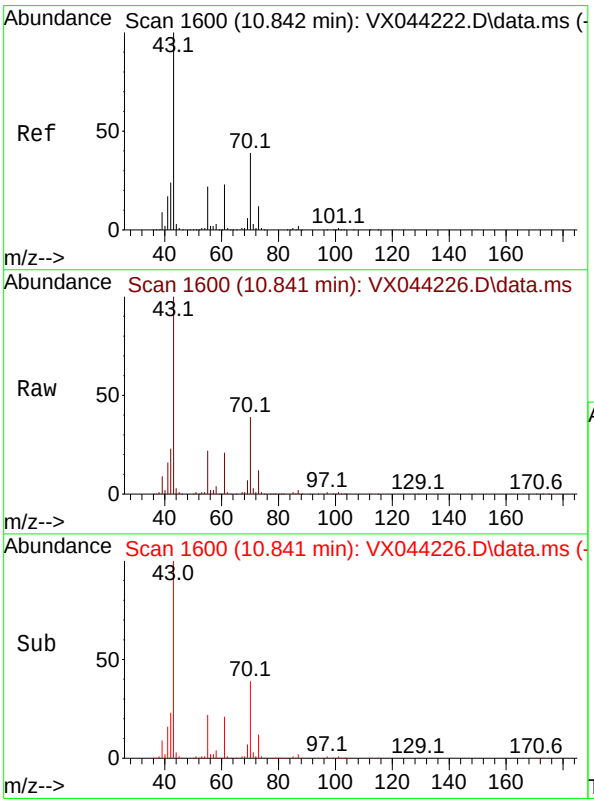

#73
Isopropylbenzene
Concen: 49.014 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:105 Resp: 374769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.1 | 39.3 |

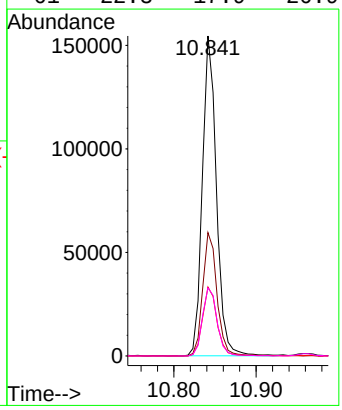


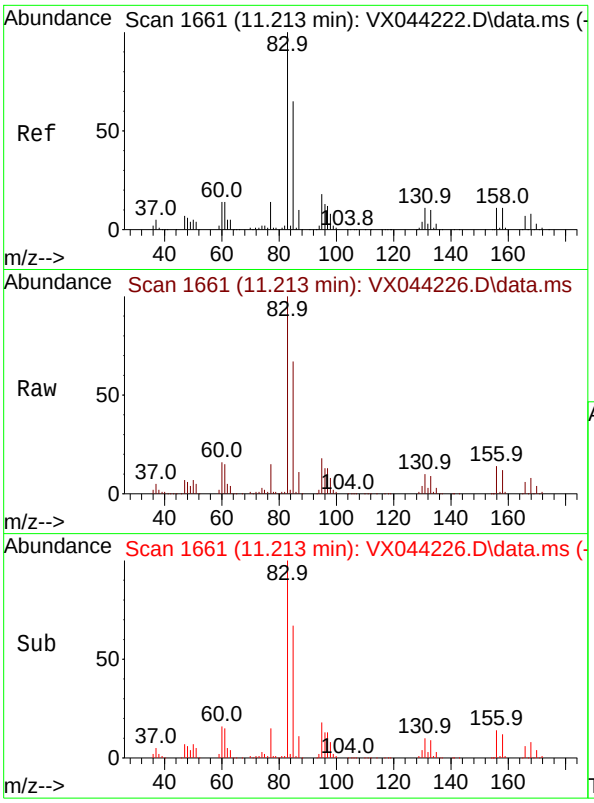




#74
N-amyl acetate
Concen: 52.003 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 183763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.0 | 31.9 | 47.9 |
| 55 | 22.4 | 17.9 | 26.9 |
| 61 | 22.3 | 17.9 | 26.9 |



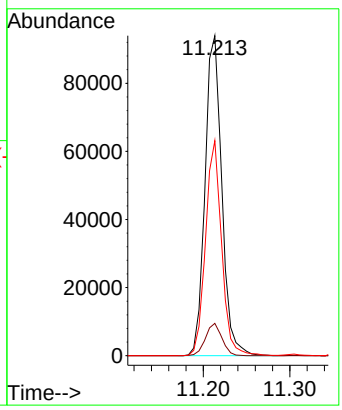


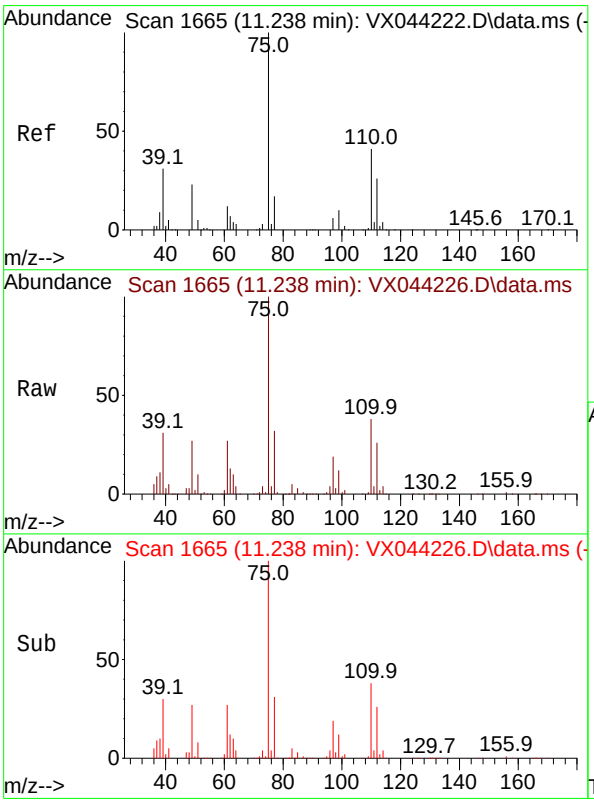

#75
1,1,2,2-Tetrachloroethane
Concen: 47.676 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 83 Resp: 126615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 64.4 | 32.5 | 97.4 |

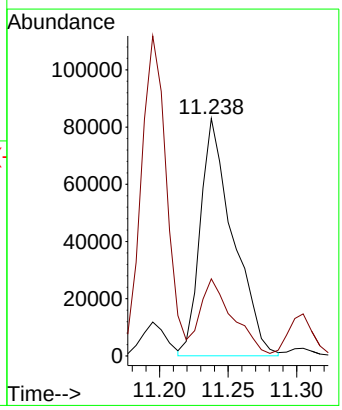


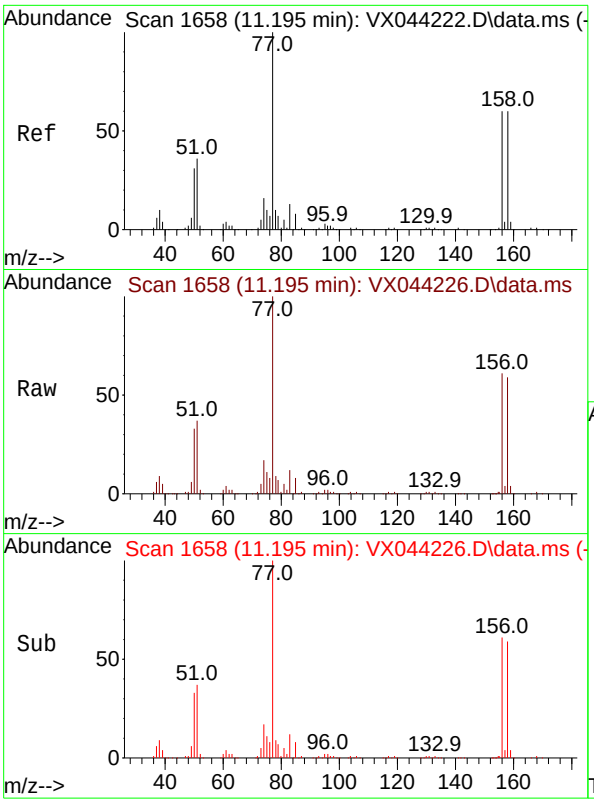




#76
1,2,3-Trichloropropane
Concen: 62.060 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 138398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 20.9 | 62.7 |



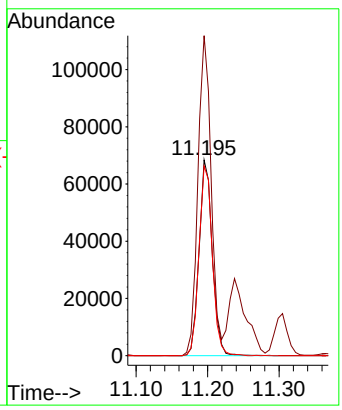


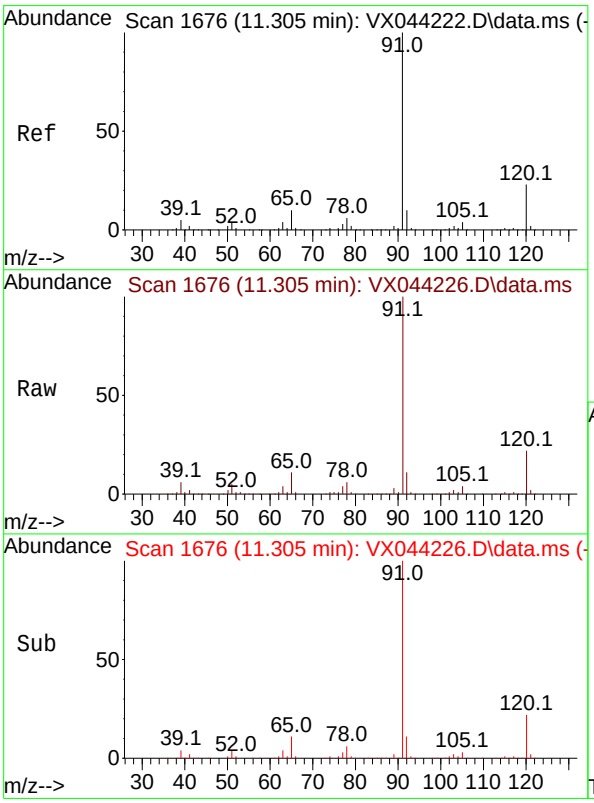

#77
Bromobenzene
Concen: 47.335 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:156 Resp: 87767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 163.4 | 82.6 | 247.8 |
| 158 | 98.0 | 48.8 | 146.4 |

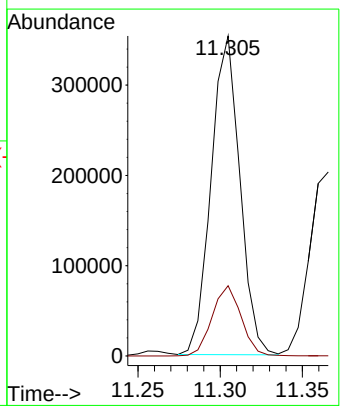


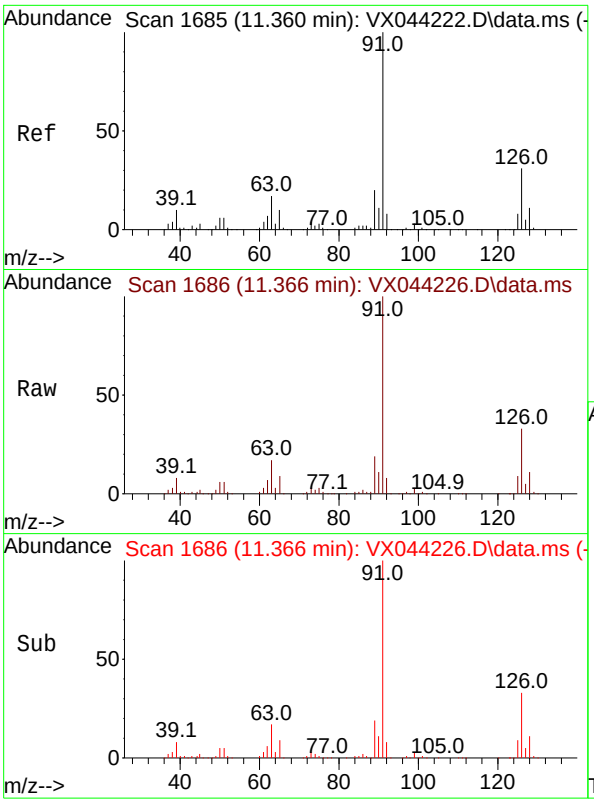




#78
n-propylbenzene
Concen: 50.816 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 429443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.0 | 33.0 |



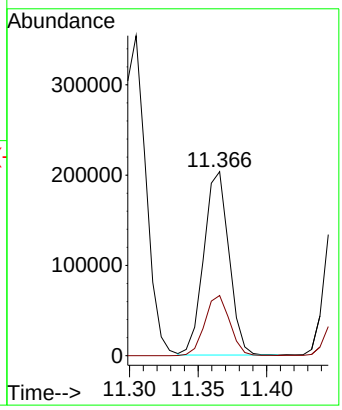


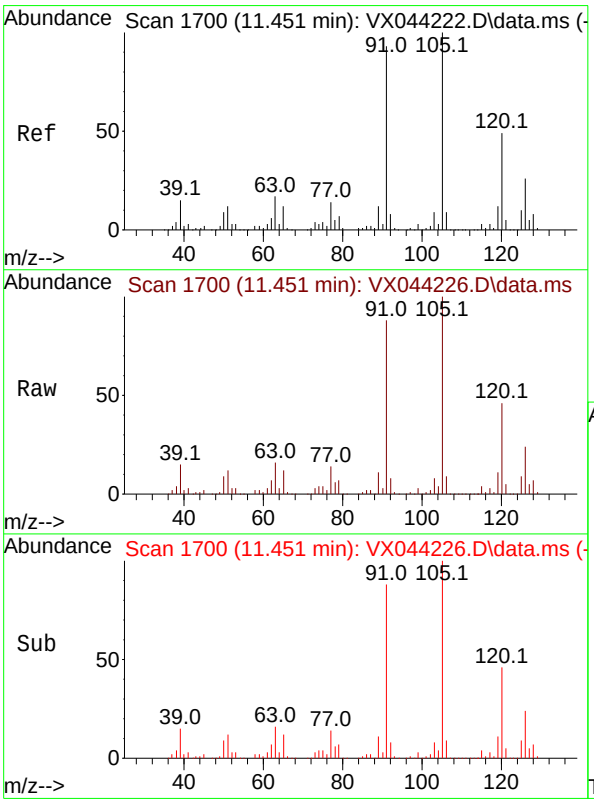

#79
2-Chlorotoluene
Concen: 47.546 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 91 Resp: 259860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.4 | 49.1 |

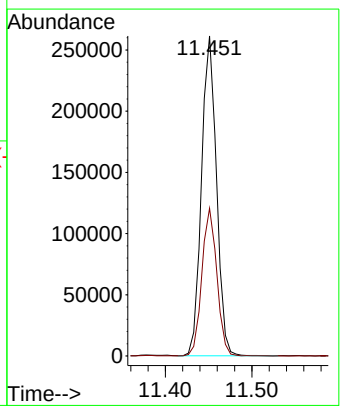


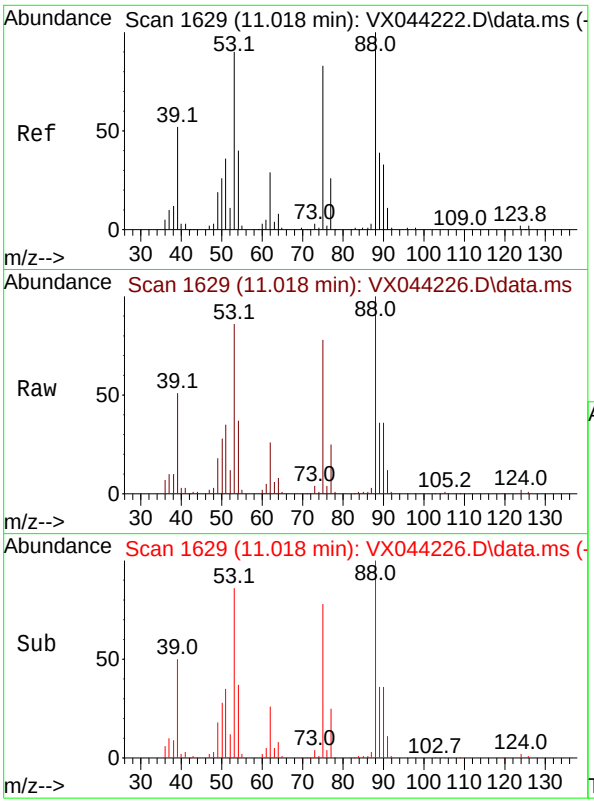




#80
1,3,5-Trimethylbenzene
Concen: 49.431 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 313435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.2 | 23.8 | 71.4 |



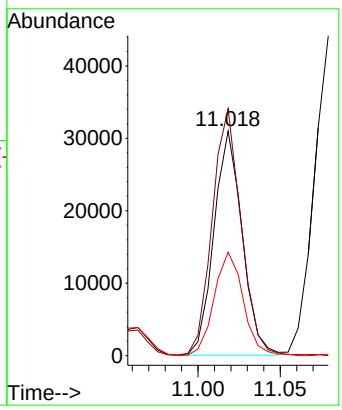


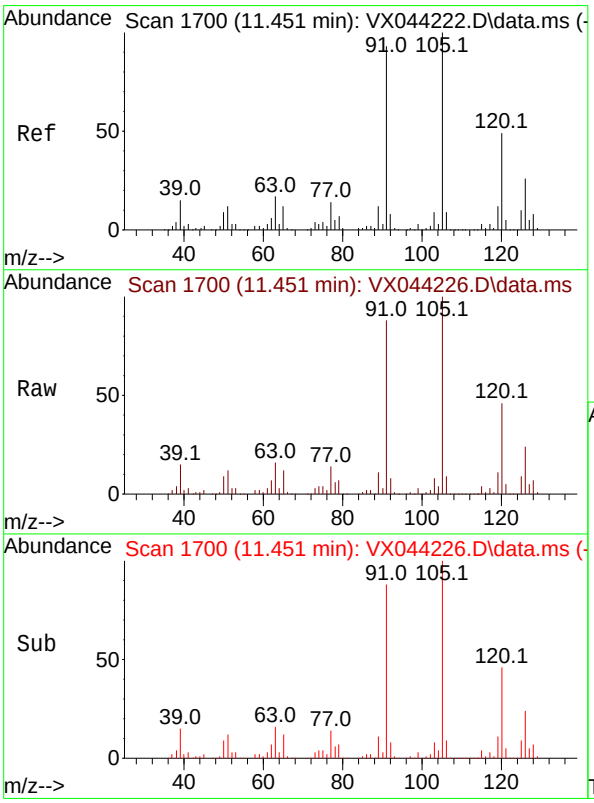

#81
trans-1,4-Dichloro-2-butene
Concen: 47.861 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 75 Resp: 37038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 112.6 | 93.6 | 140.4 |
| 89 | 47.5 | 37.3 | 55.9 |

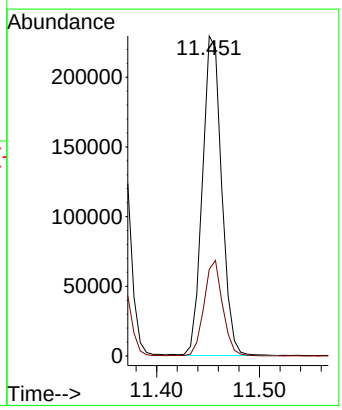


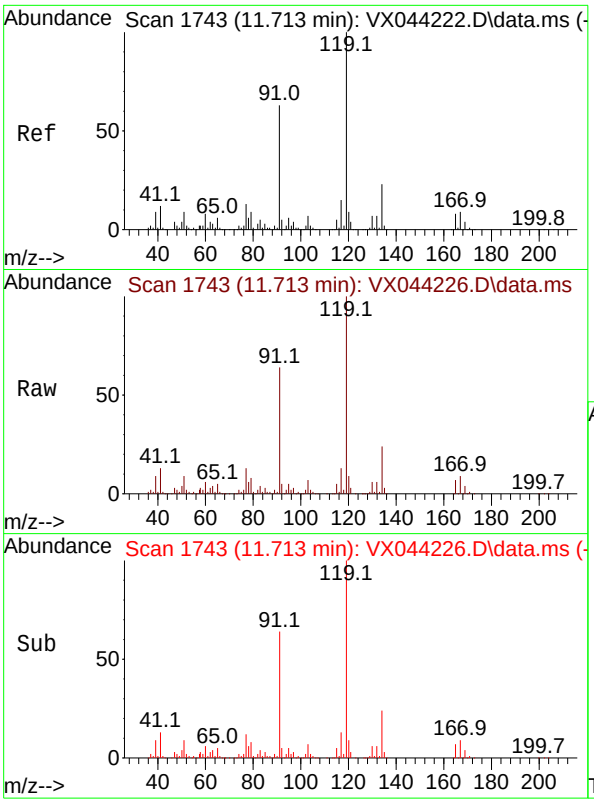




#82
4-Chlorotoluene
Concen: 49.178 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 297641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.5 | 43.5 |



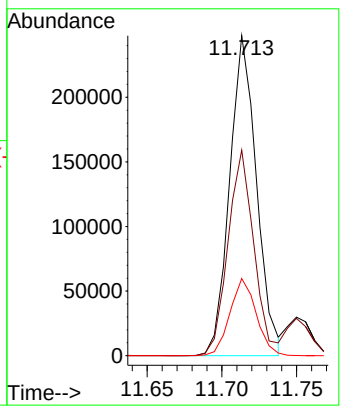


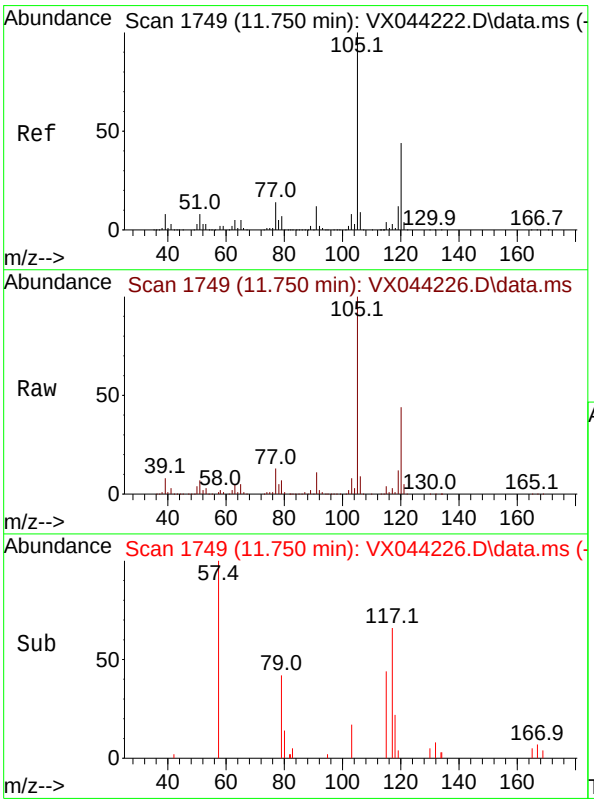

#83
tert-Butylbenzene
Concen: 49.384 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:119 Resp: 309463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 62.1 | 30.9 | 92.5 |
| 134 | 23.6 | 11.5 | 34.4 |

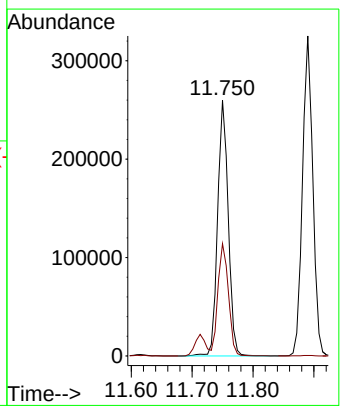


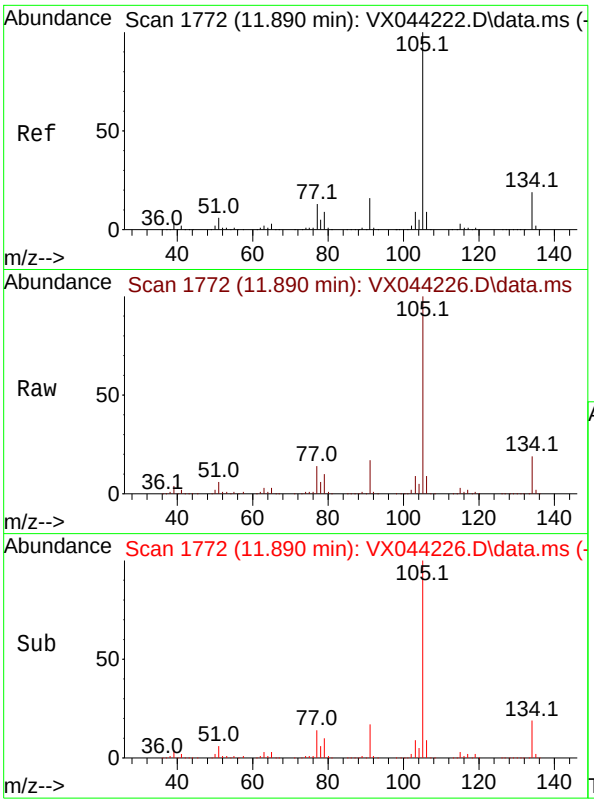




#84
1,2,4-Trimethylbenzene
Concen: 50.333 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 313433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.3 | 21.7 | 65.1 |



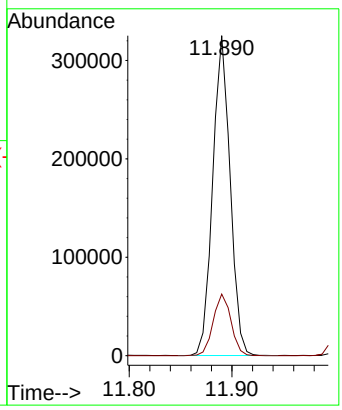


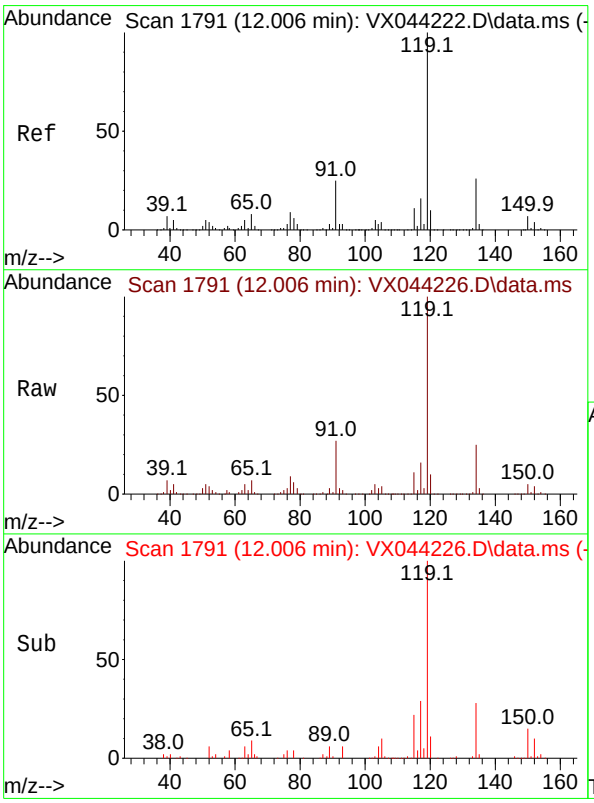

#85
sec-Butylbenzene
Concen: 50.097 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:105 Resp: 381109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.4 |

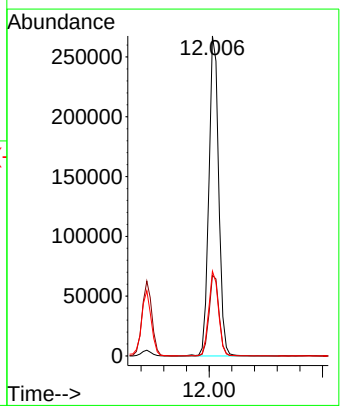


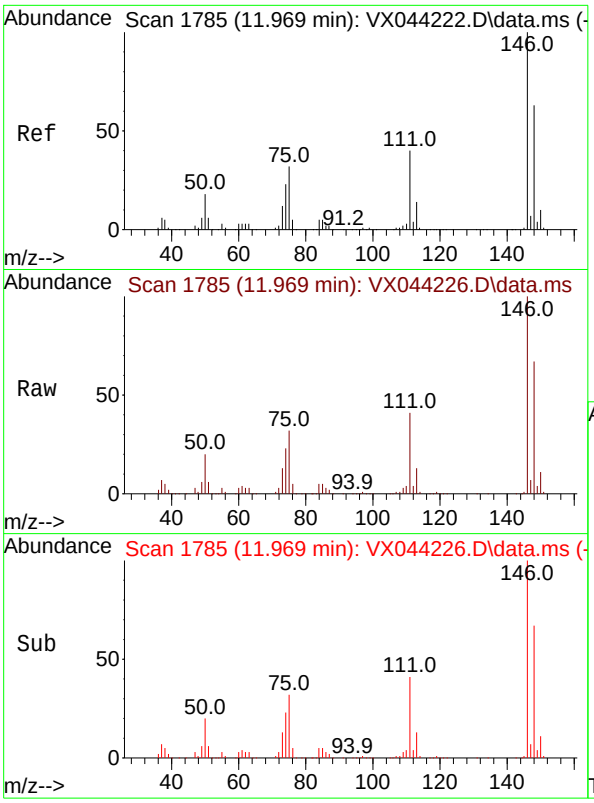




#86
p-Isopropyltoluene
Concen: 50.678 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:119 Resp: 320882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 12.8 | 38.4 |
| 91 | 26.3 | 13.0 | 39.0 |



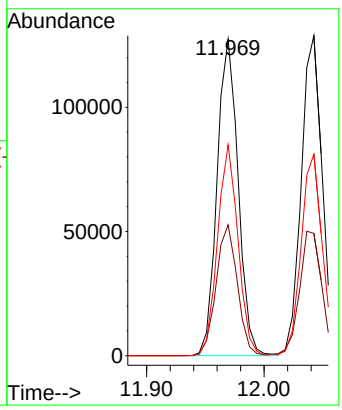


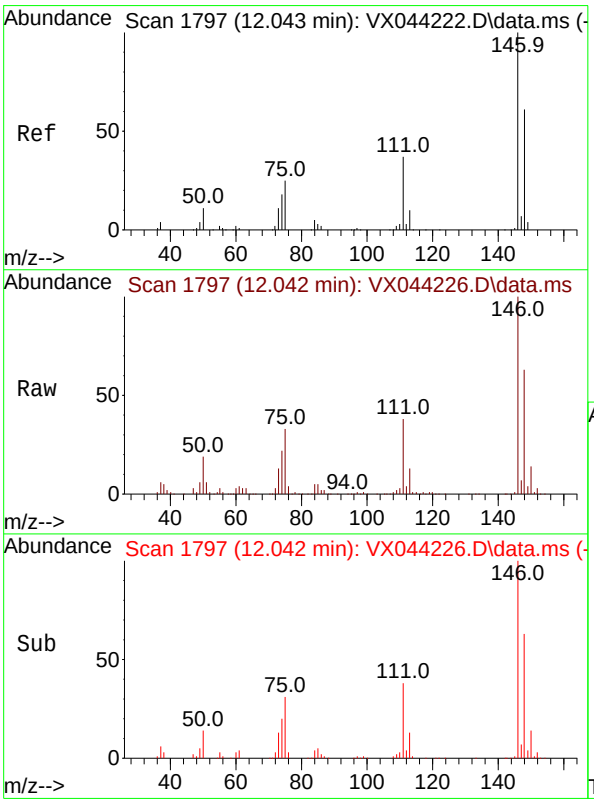

#87
1,3-Dichlorobenzene
Concen: 49.122 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:146 Resp: 159094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 21.4 | 64.2 |
| 148 | 64.7 | 31.7 | 95.1 |

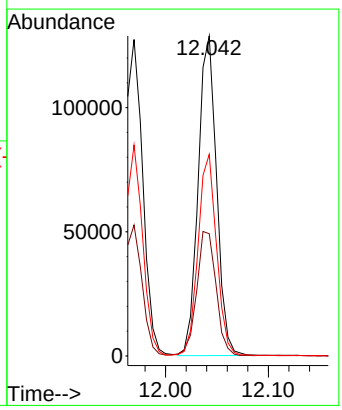


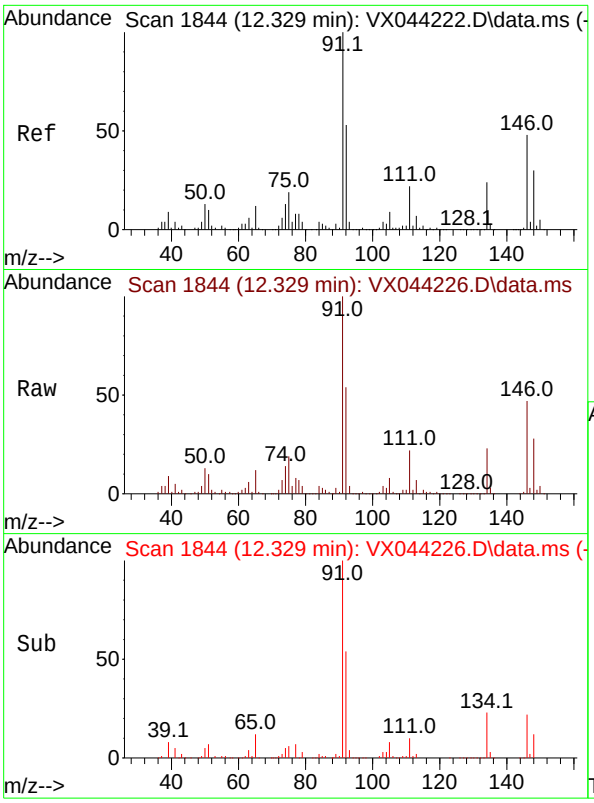




#88
1,4-Dichlorobenzene
Concen: 48.280 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:146 Resp: 160742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 21.0 | 63.0 |
| 148 | 63.6 | 32.3 | 96.8 |



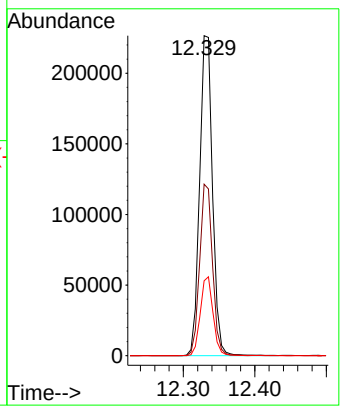


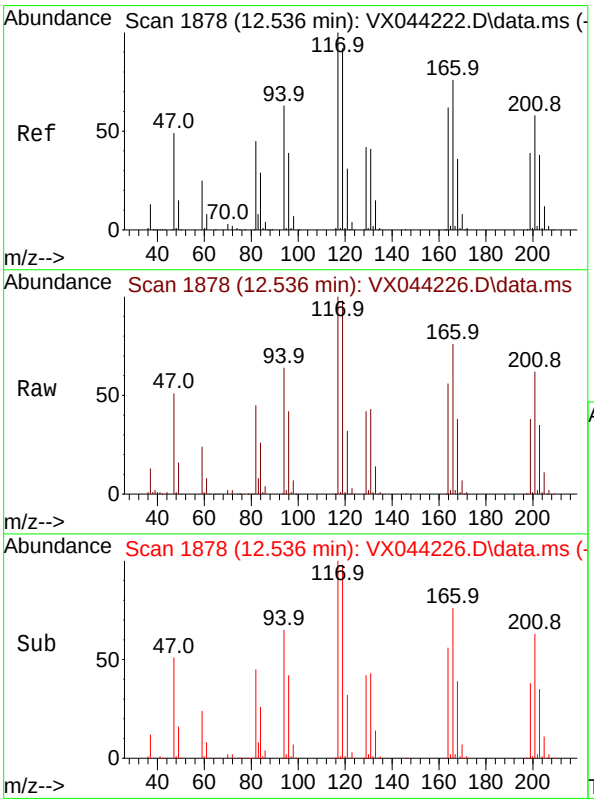

#89
n-Butylbenzene
Concen: 53.207 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion: 91 Resp: 283284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.6 | 79.7 |
| 134 | 24.3 | 12.6 | 37.8 |

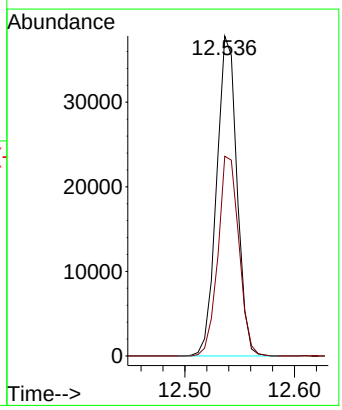


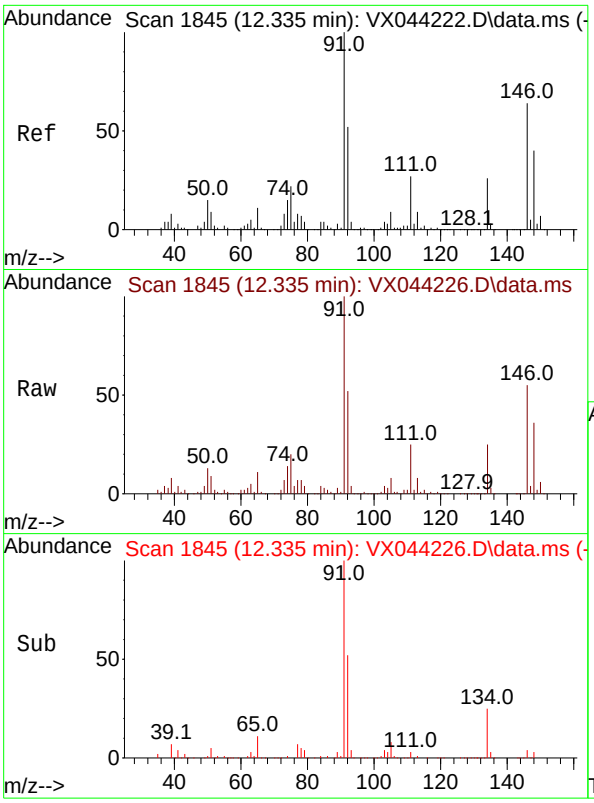




#90
Hexachloroethane
Concen: 52.727 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:117 Resp: 48734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.3 | 31.4 | 94.2 |



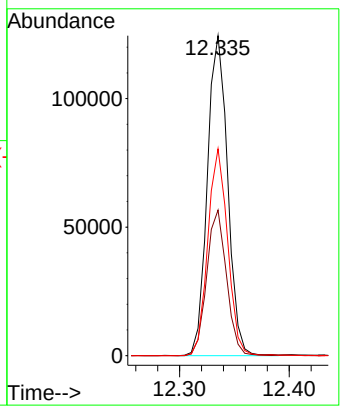


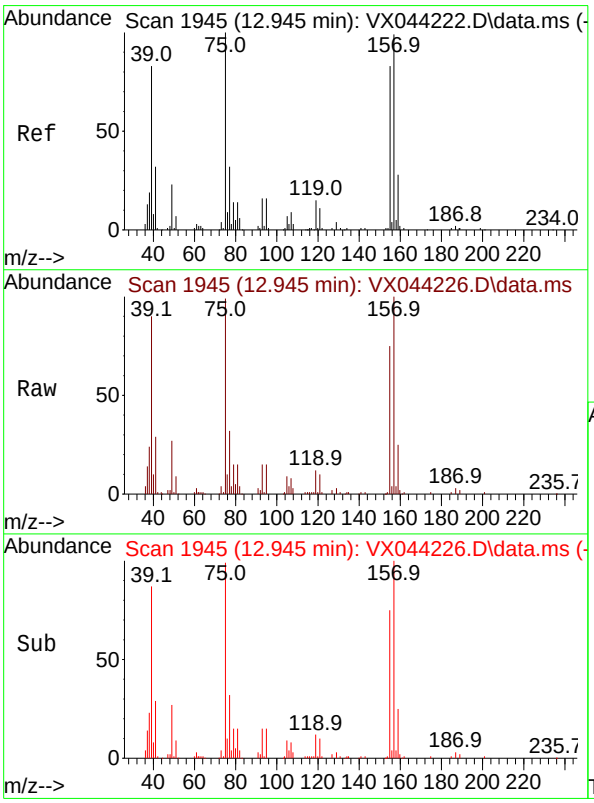

#91
1,2-Dichlorobenzene
Concen: 47.589 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:146 Resp: 160039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.4 | 21.4 | 64.3 |
| 148 | 63.4 | 31.6 | 95.0 |

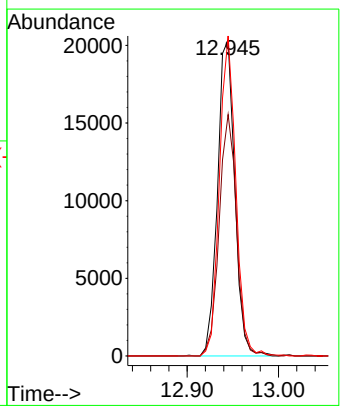


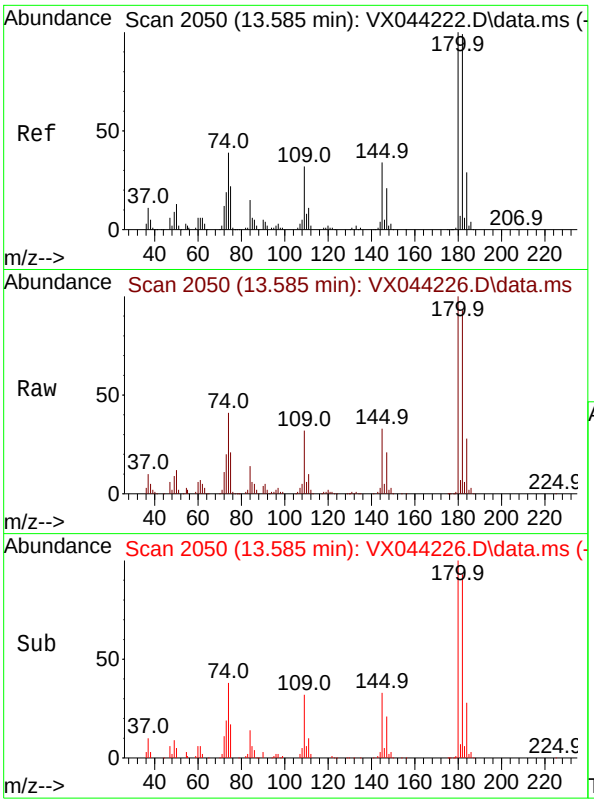




#92
1,2-Dibromo-3-Chloropropane
Concen: 51.864 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 26738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 76.5 | 38.1 | 114.3 |
| 157 | 96.3 | 47.2 | 141.6 |



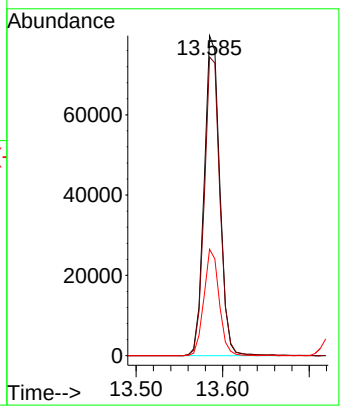


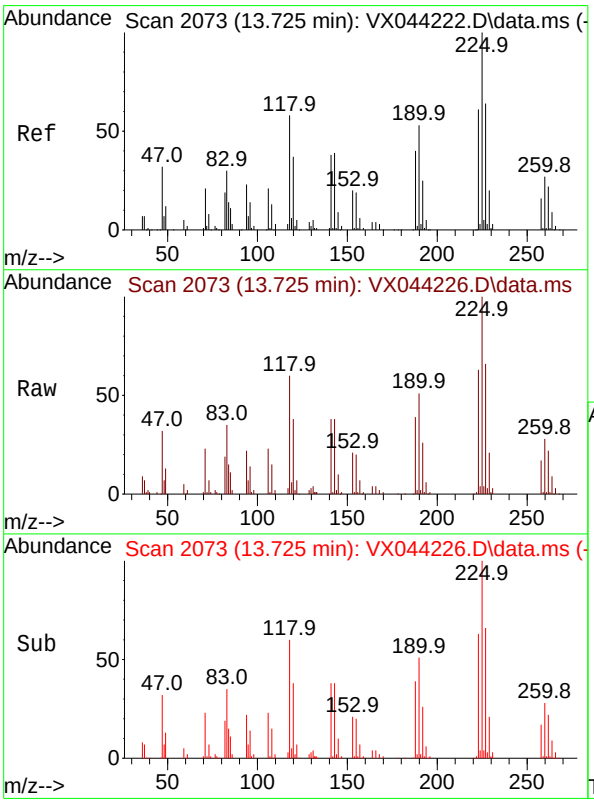

#93
1,2,4-Trichlorobenzene
Concen: 53.940 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:180 Resp: 99449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 48.0 | 144.2 |
| 145 | 32.6 | 16.6 | 49.7 |

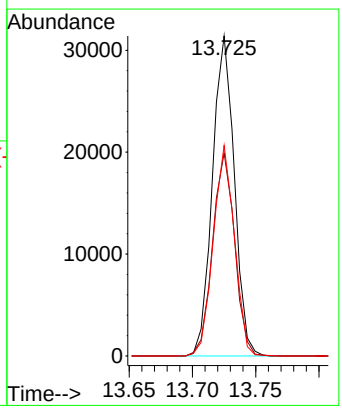


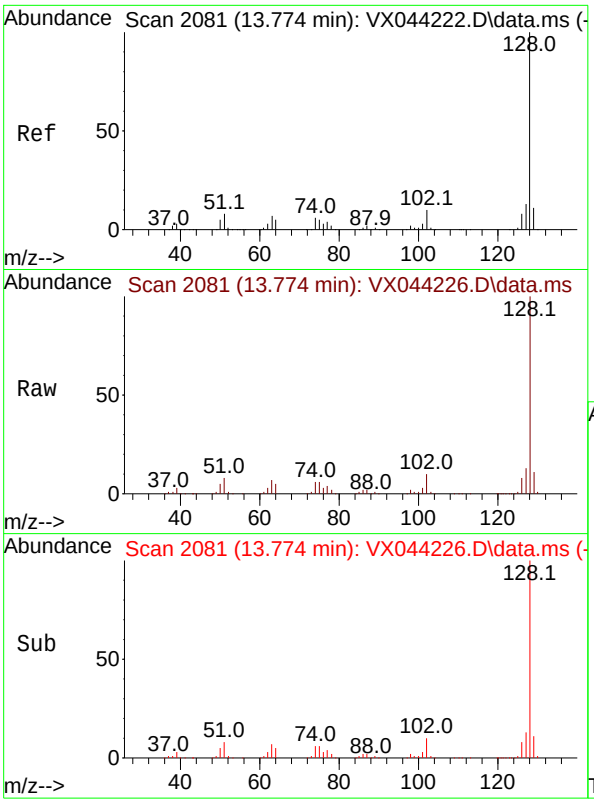




#94
Hexachlorobutadiene
Concen: 50.770 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:225 Resp: 37651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 30.8 | 92.4 |
| 227 | 63.7 | 32.1 | 96.3 |



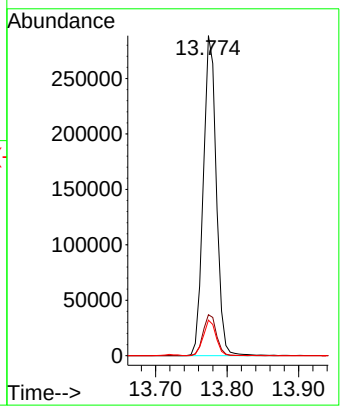


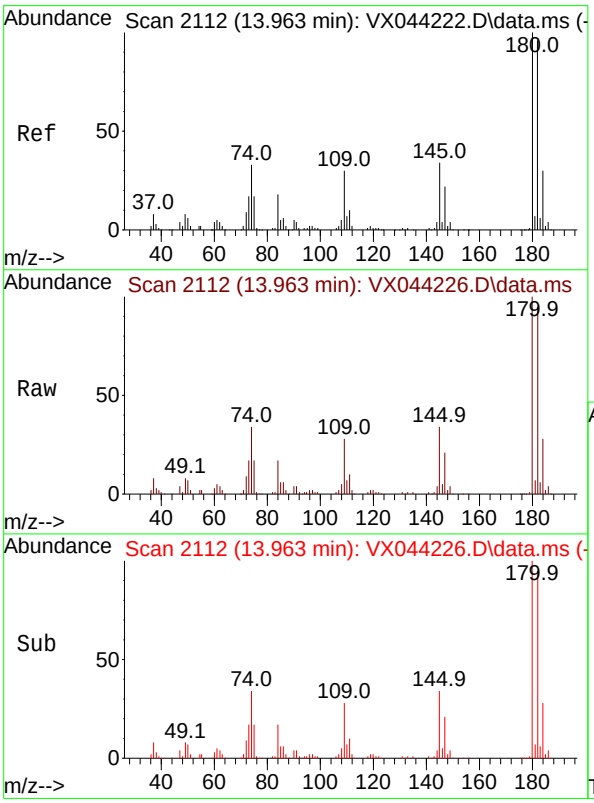

#95
Naphthalene
Concen: 50.827 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX121124

Tgt Ion:128 Resp: 365781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.5 | 15.7 |
| 129 | 10.9 | 9.0 | 13.4 |

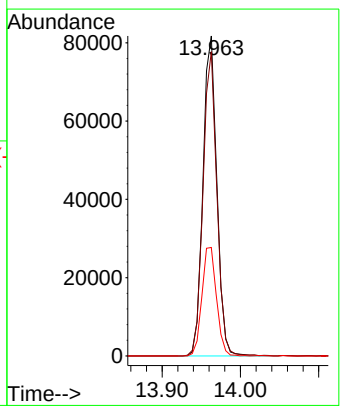



#96
1,2,3-Trichlorobenzene
Concen: 51.244 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:180 Resp: 100209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 48.0 | 144.0 |
| 145 | 35.7 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 135217 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 239936 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 204282 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 94679 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 107888 | 45.507 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.020% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 85012 | 51.157 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.320% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 281622 | 50.233 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.460% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 96109 | 49.060 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 98.120% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 107432 | 51.383 | ug/l | 98 |
| 3) Chloromethane | 1.295 | 50 | 108198 | 54.116 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 110360 | 52.982 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 72410 | 49.001 | ug/l | 99 |
| 6) Chloroethane | 1.666 | 64 | 78870 | 60.808 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 173515 | 42.551 | ug/l | 99 |
| 8) Diethyl Ether | 2.130 | 74 | 68057 | 48.894 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 81792 | 49.568 | ug/l | 98 |
| 10) Methyl Iodide | 2.441 | 142 | 120260 | 55.298 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.989 | 59 | 77901 | 233.146 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 81977 | 54.088 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 139192 | 287.785 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 132780 | 52.597 | ug/l | 97 |
| 15) Acrylonitrile | 3.069 | 53 | 244567 | 264.238 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 213764 | 221.165 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 158857 | 55.140 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 124059 | 49.781 | ug/l | 95 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 292313 | 49.423 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 93795 | 51.666 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 84135 | 52.232 | ug/l | 96 |
| 22) Diisopropyl ether | 3.764 | 45 | 287589 | 50.590 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 1248223 | 270.083 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 166932 | 52.681 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 339552 | 247.114 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 111451 | 43.294 | ug/l | 94 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 103578 | 50.631 | ug/l | 96 |
| 28) Bromochloromethane | 4.891 | 49 | 74260 | 47.791 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 217698 | 246.831 | ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 176742 | 49.644 | ug/l | 100 |
| 31) Cyclohexane | 5.458 | 56 | 126871 | 49.582 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 152533 | 51.614 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 110493 | 51.438 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 136208 | 51.297 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 120403 | 52.064 | ug/l | 95 |
| 39) Methylcyclohexane | 7.379 | 83 | 130669 | 50.884 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 353789 | 54.246 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 74342 | 52.726 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 135405 | 50.400 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 215421 | 51.907 | ug/l | | 98 |
| 44) Trichloroethene | 7.123 | 130 | 85228 | 52.403 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 87563 | 52.551 | ug/l | | 95 |
| 46) Dibromomethane | 7.580 | 93 | 68412 | 52.923 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.824 | 83 | 123638 | 55.381 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 100291 | 49.782 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 25452 | 762.005 | ug/l | # | 77 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 682557 | 255.786 | ug/l | | 98 |
| 52) Toluene | 8.720 | 92 | 214145 | 52.287 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 115357 | 48.259 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 131957 | 54.285 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 87322 | 53.669 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 136992 | 53.333 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 147976 | 52.251 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 319257 | 246.430 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 498511 | 258.095 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 85744 | 49.779 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 89694 | 54.158 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.275 | 164 | 71547 | 52.769 | ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 230882 | 52.745 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 79028 | 56.175 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 398506 | 52.690 | ug/l | | 96 |
| 68) m/p-Xylenes | 10.299 | 106 | 303258 | 109.271 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 149680 | 53.305 | ug/l | | 97 |
| 70) Styrene | 10.653 | 104 | 247455 | 54.971 | ug/l | | 97 |
| 71) Bromoform | 10.799 | 173 | 51387 | 52.002 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.964 | 105 | 382227 | 52.735 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 175282 | 52.327 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 129501 | 51.441 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 137395 | 64.994 | ug/l | | 85 |
| 77) Bromobenzene | 11.195 | 156 | 91662 | 52.151 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 428354 | 53.471 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 259611 | 50.109 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 312728 | 52.028 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 32905 | 45.206 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 296313 | 51.648 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 315339 | 53.085 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 314902 | 53.346 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 378572 | 52.496 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 308993 | 51.481 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 161986 | 52.762 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 160295 | 50.790 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 265516 | 52.608 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 48574 | 55.440 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 166397 | 52.197 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 23556 | 48.201 | ug/l | | 92 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 93745 | 53.639 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 37797 | 53.766 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 341241 | 50.021 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 95779 | 51.669 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

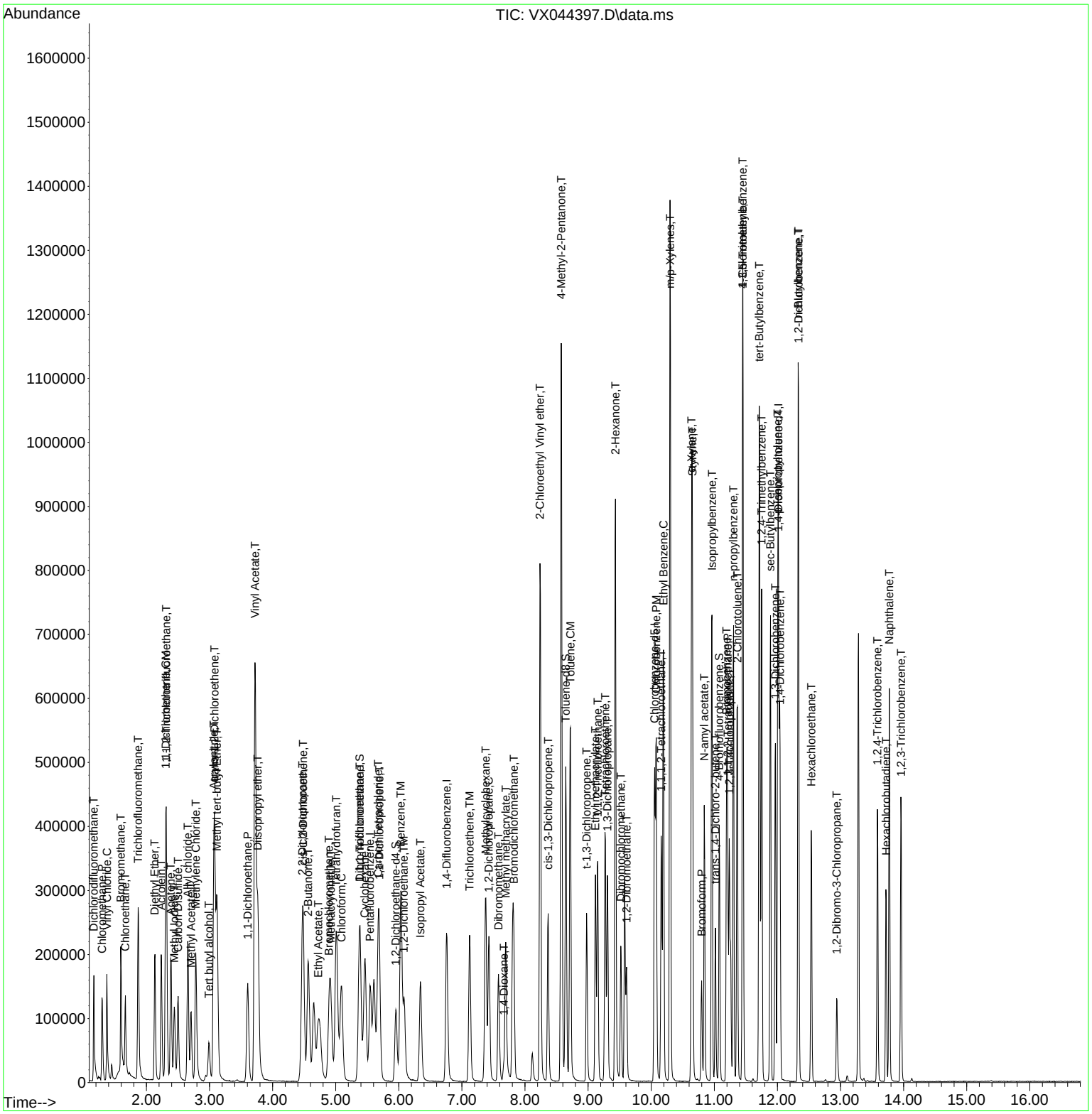
(#) = qualifier out of range (m) = manual integration (+) = signals summed

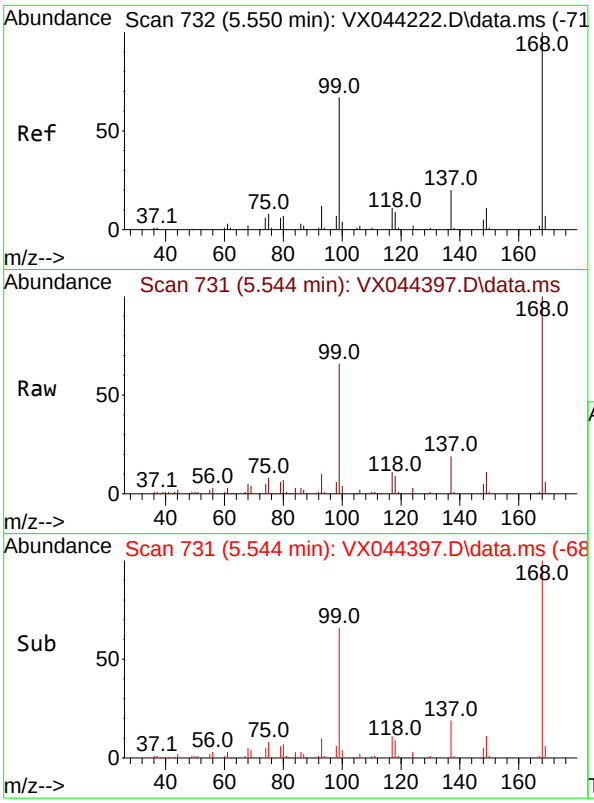
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044397.D
Acq On : 18 Dec 2024 21:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 19 00:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



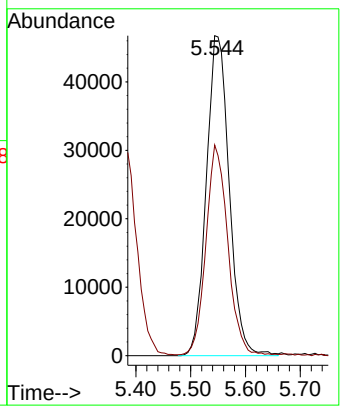


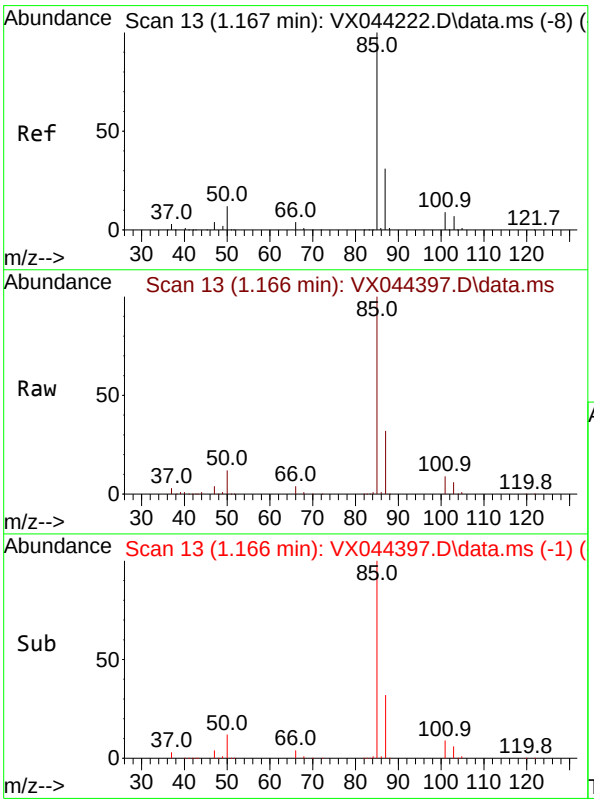

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 135217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.5 | 53.4 | 80.0 |

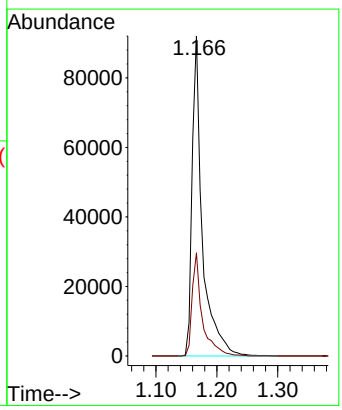


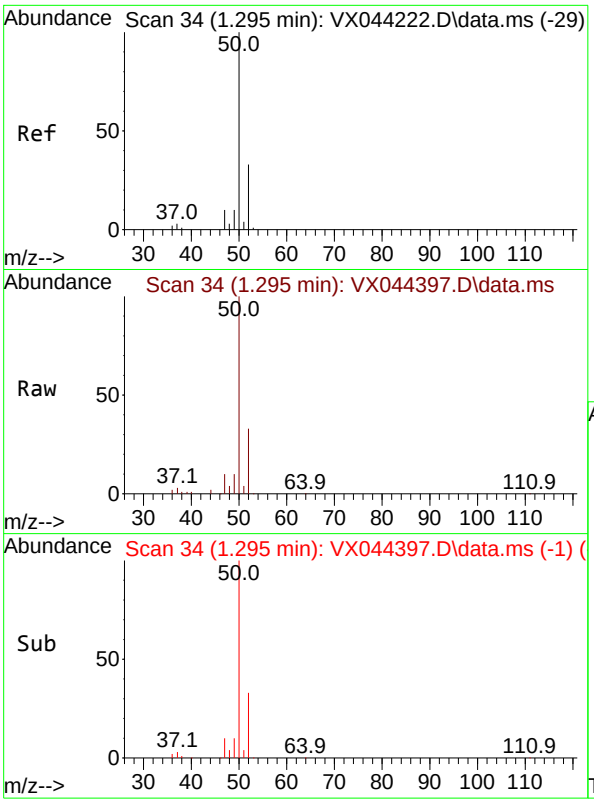




#2
Dichlorodifluoromethane
Concen: 51.383 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 85 Resp: 107432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 15.4 | 46.4 |



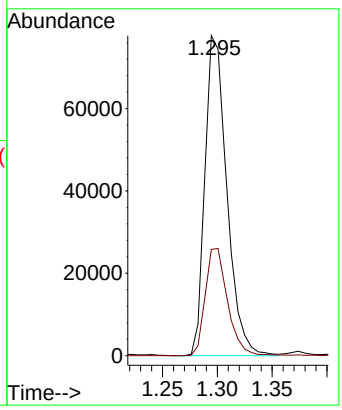


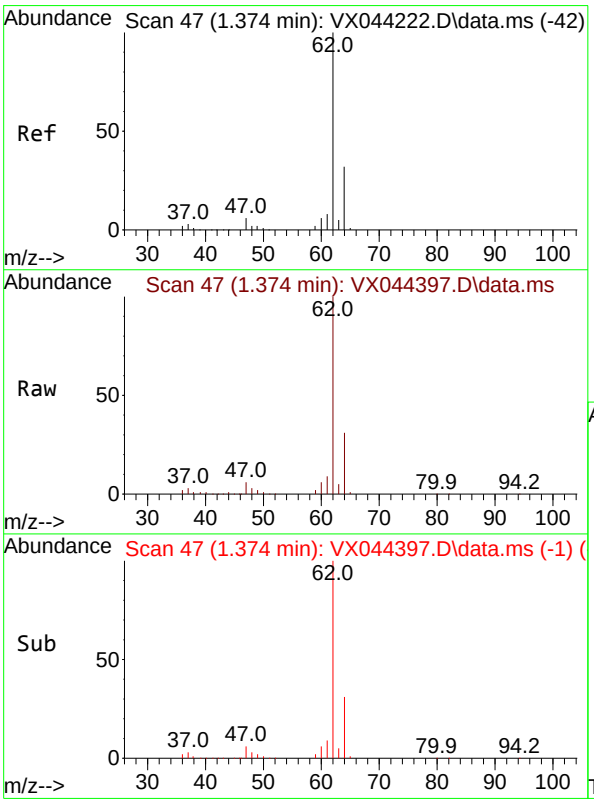

#3
Chloromethane
Concen: 54.116 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 108198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 26.5 | 39.7 |

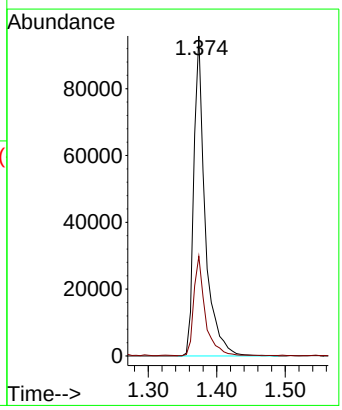


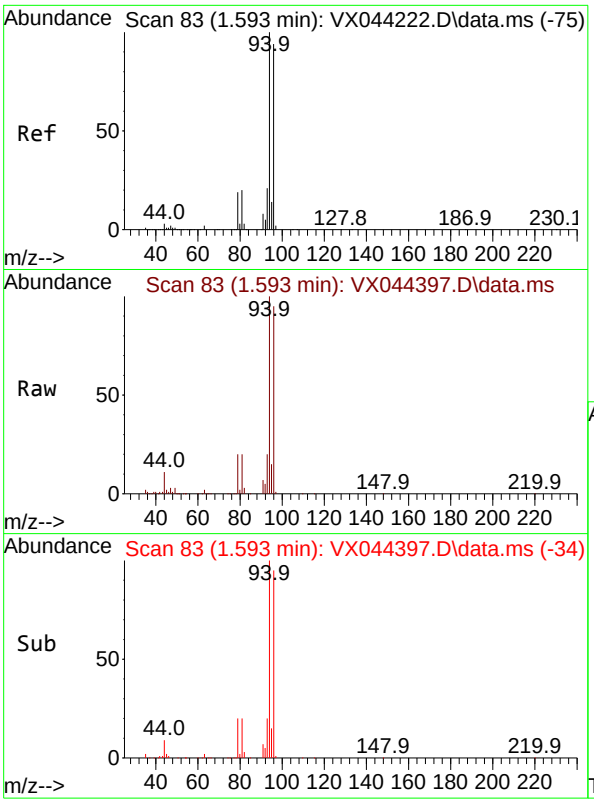




#4
Vinyl Chloride
Concen: 52.982 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 62 Resp: 110360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 25.7 | 38.5 |



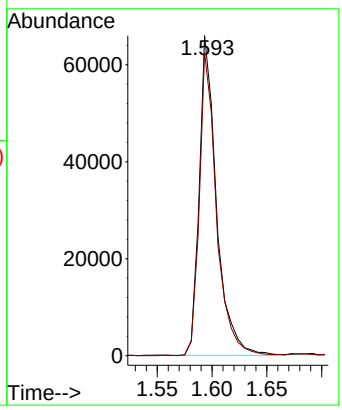


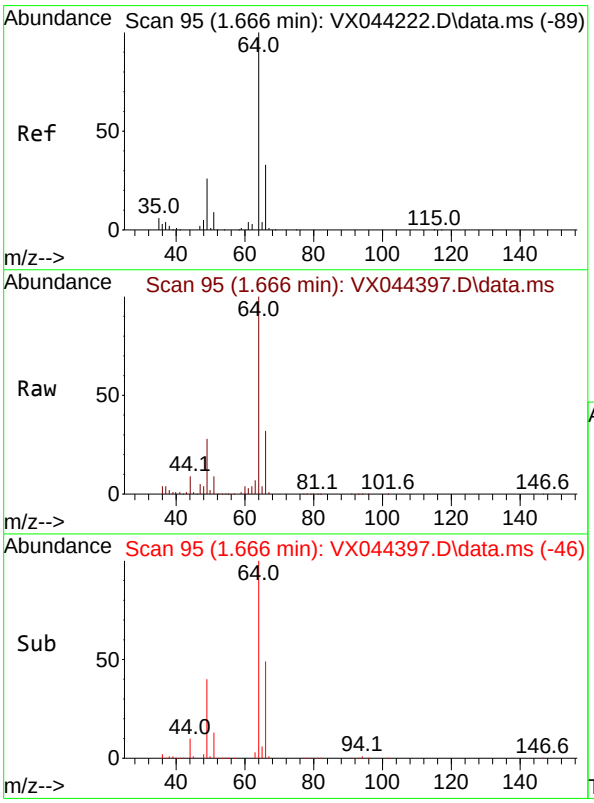

#5
Bromomethane
Concen: 49.001 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 72410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.8 | 74.9 | 112.3 |

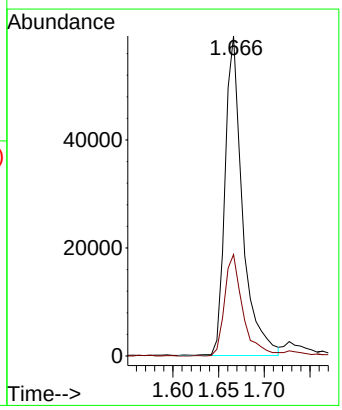


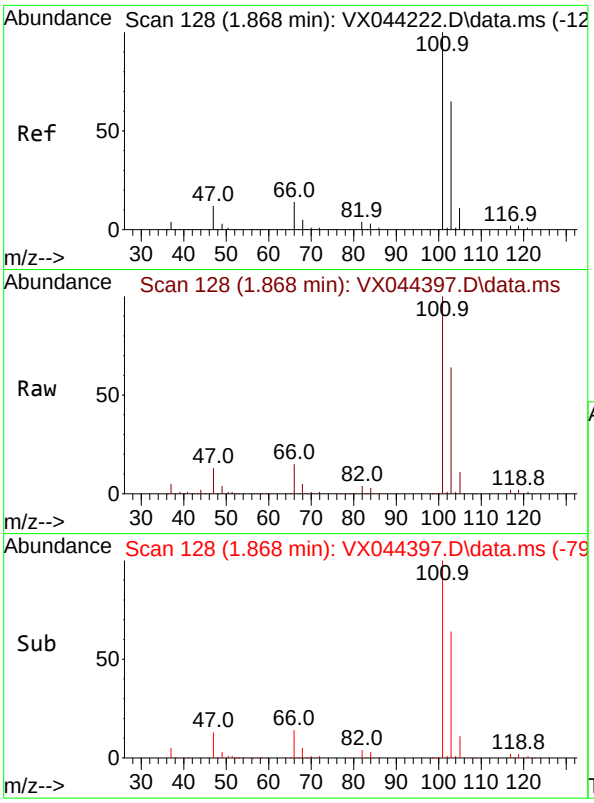




#6
Chloroethane
Concen: 60.808 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 64 Resp: 78870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 26.6 | 39.8 |



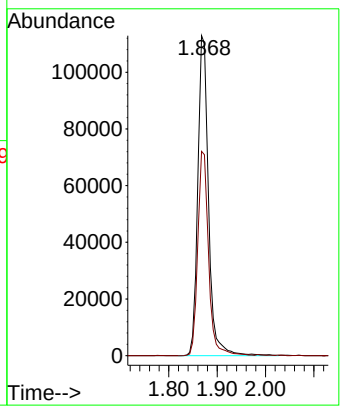


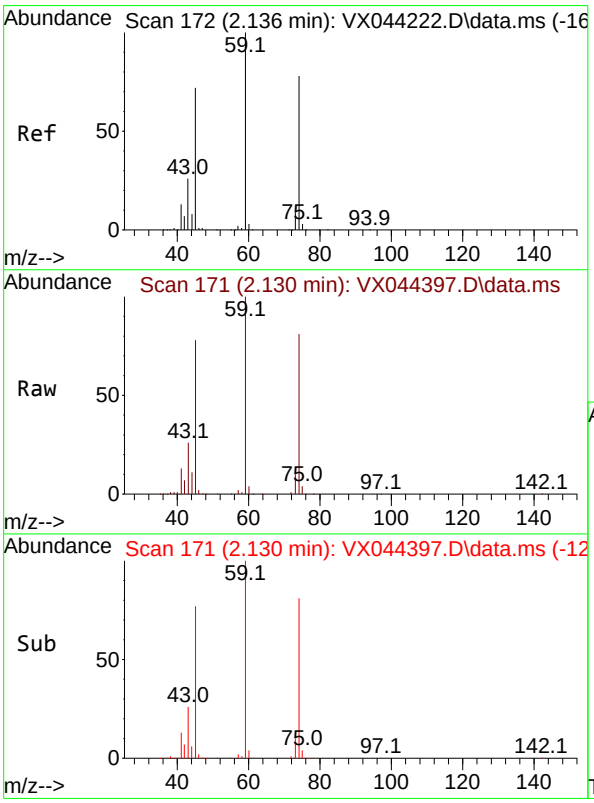

#7
Trichlorofluoromethane
Concen: 42.551 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 173515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 51.8 | 77.8 |

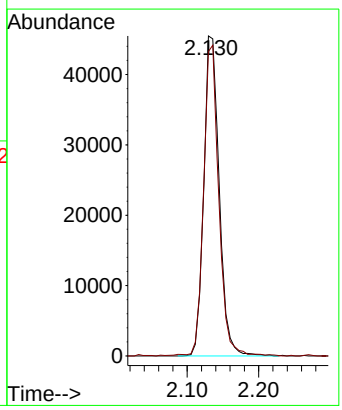


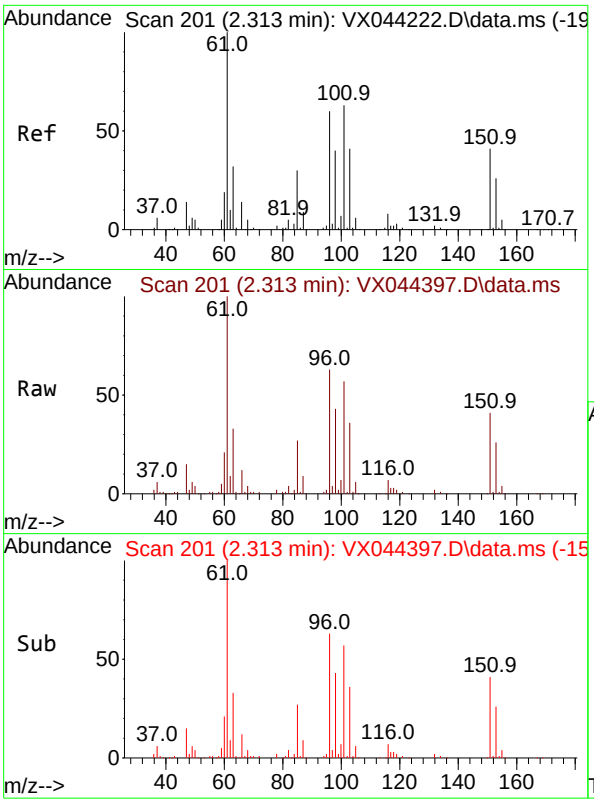




#8
Diethyl Ether
Concen: 48.894 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 74 Resp: 68057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.2 | 48.4 | 145.0 |



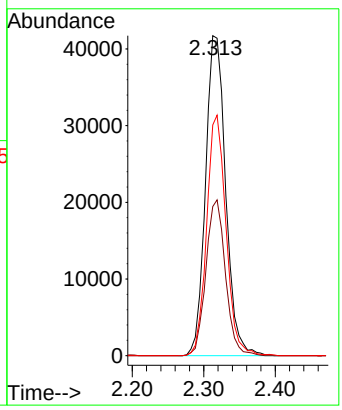


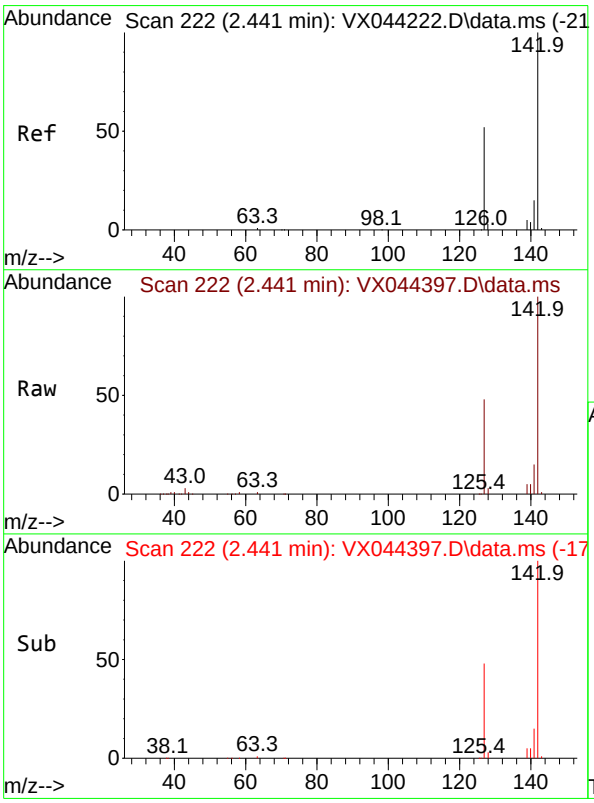

#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.568 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 81792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.2 | 38.5 | 57.7 |
| 151 | 72.2 | 55.8 | 83.6 |

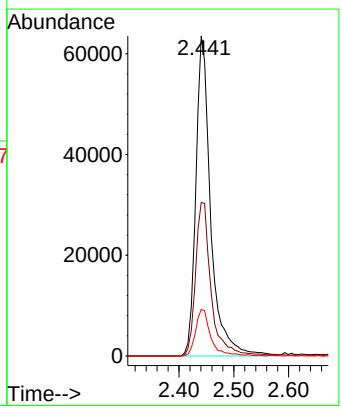


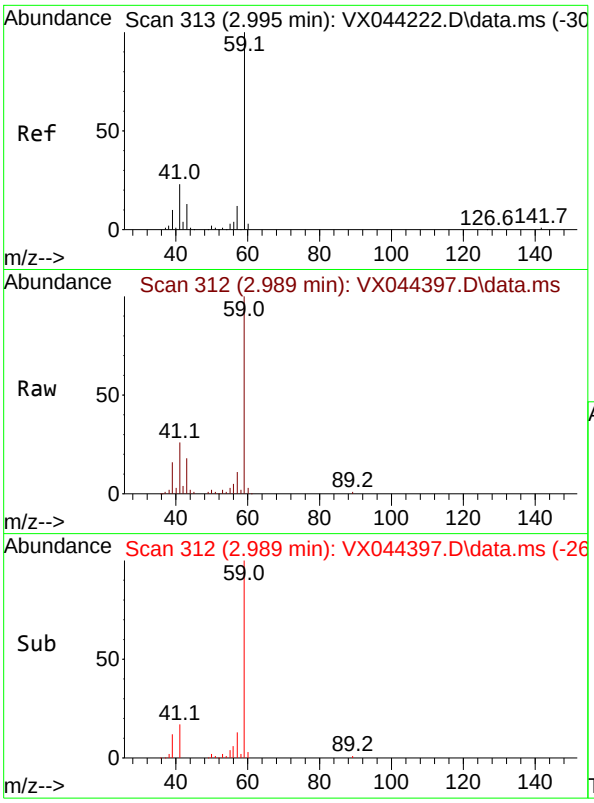




#10
Methyl Iodide
Concen: 55.298 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:142 Resp: 120260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.0 | 41.8 | 62.8 |
| 141 | 14.8 | 11.5 | 17.3 |



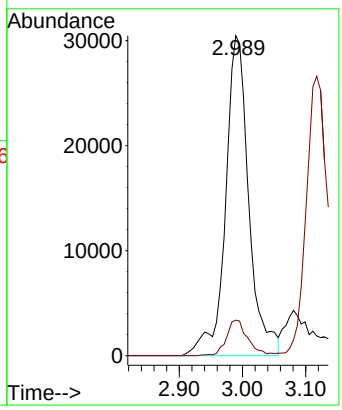


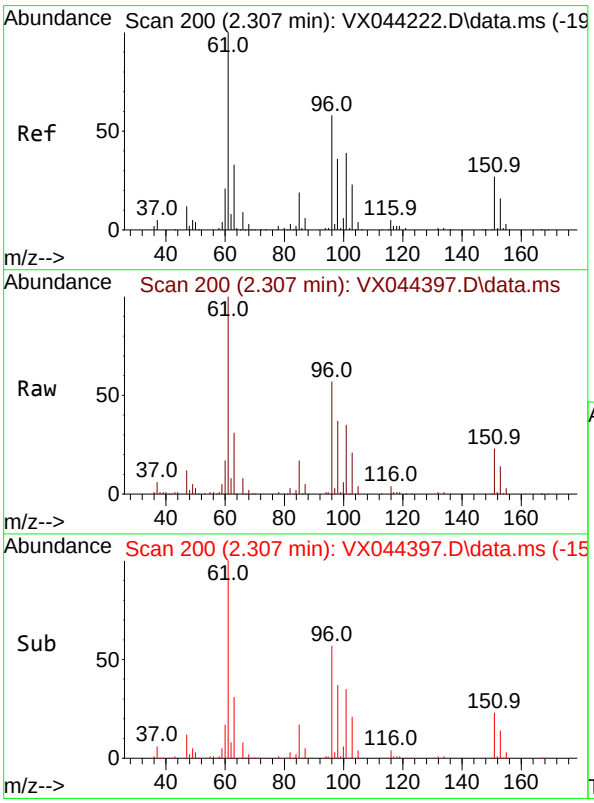

#11
Tert butyl alcohol
Concen: 233.146 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 77901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.8 | 13.2 |

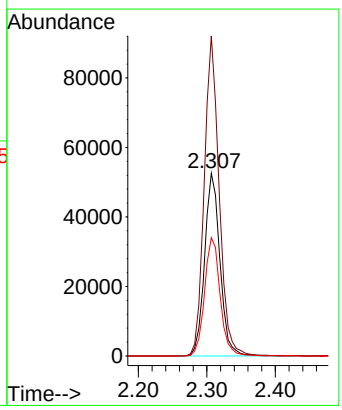


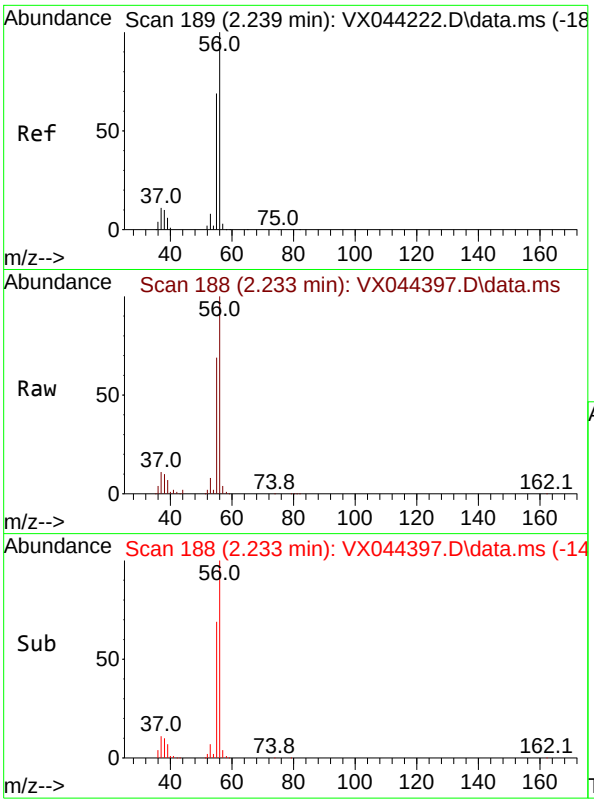




#12
1,1-Dichloroethene
Concen: 54.088 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 96 Resp: 81977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.1 | 138.0 | 207.0 |
| 98 | 64.7 | 50.0 | 75.0 |



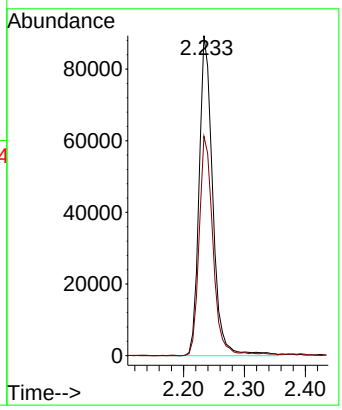


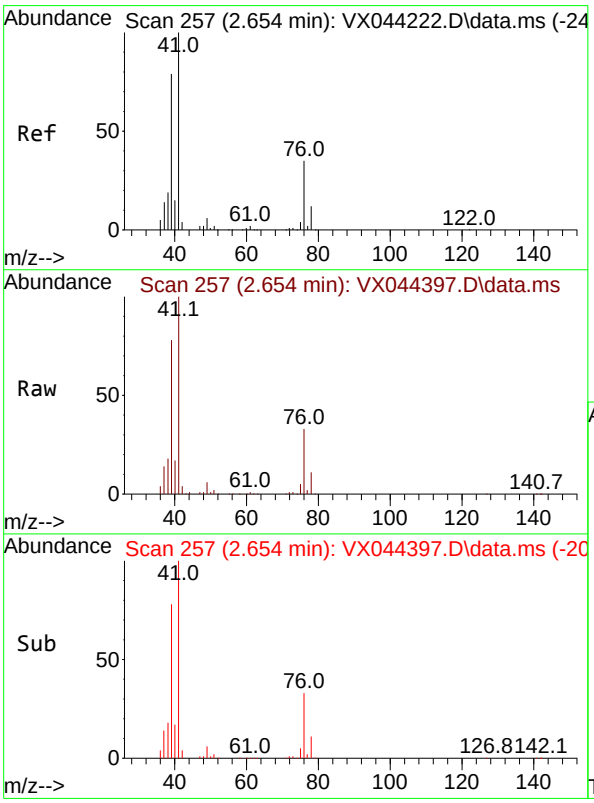

#13
Acrolein
Concen: 287.785 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 139192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.7 | 56.6 | 84.8 |

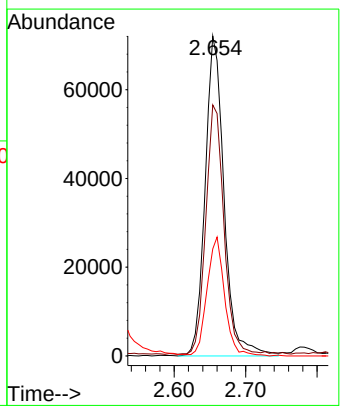


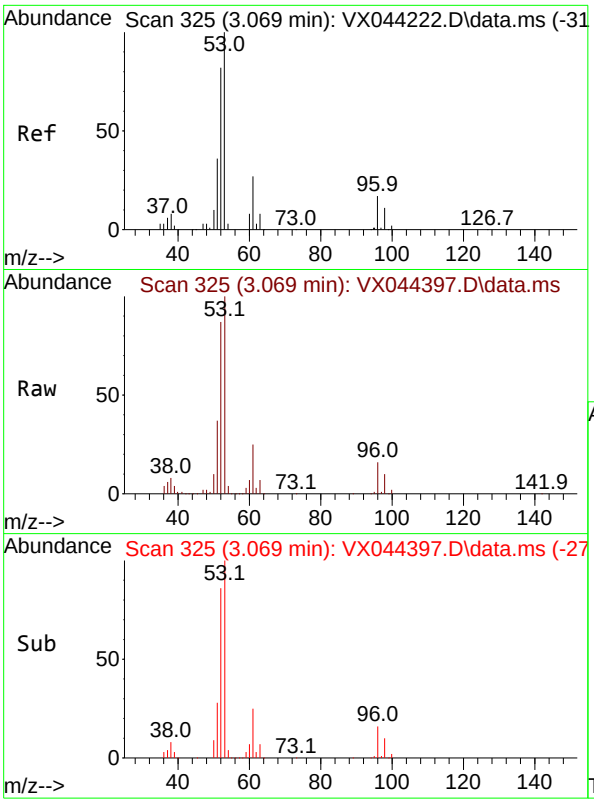




#14
Allyl chloride
Concen: 52.597 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 41 Resp: 132780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.3 | 61.9 | 92.9 |
| 76 | 34.6 | 27.4 | 41.2 |



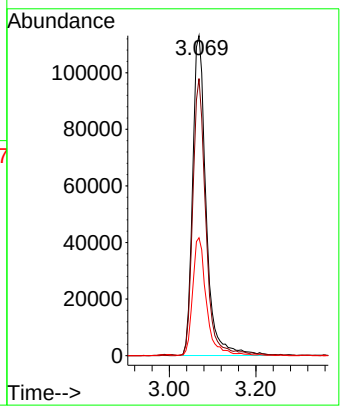


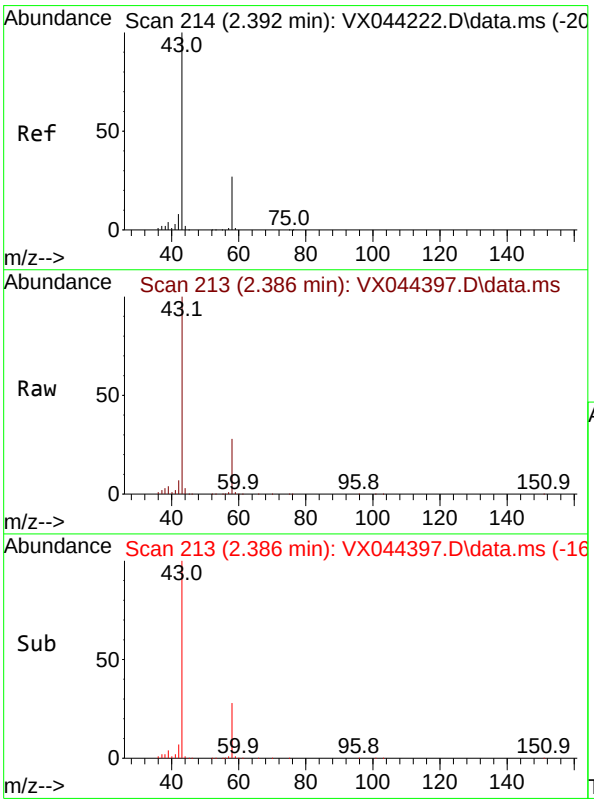

#15
Acrylonitrile
Concen: 264.238 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 244567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.6 | 67.4 | 101.0 |
| 51 | 37.4 | 30.3 | 45.5 |

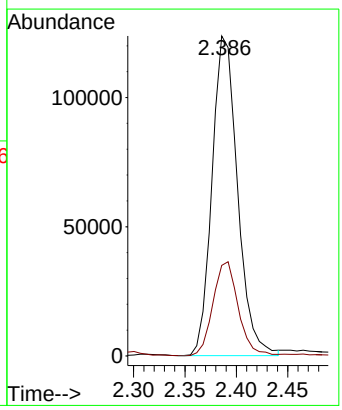


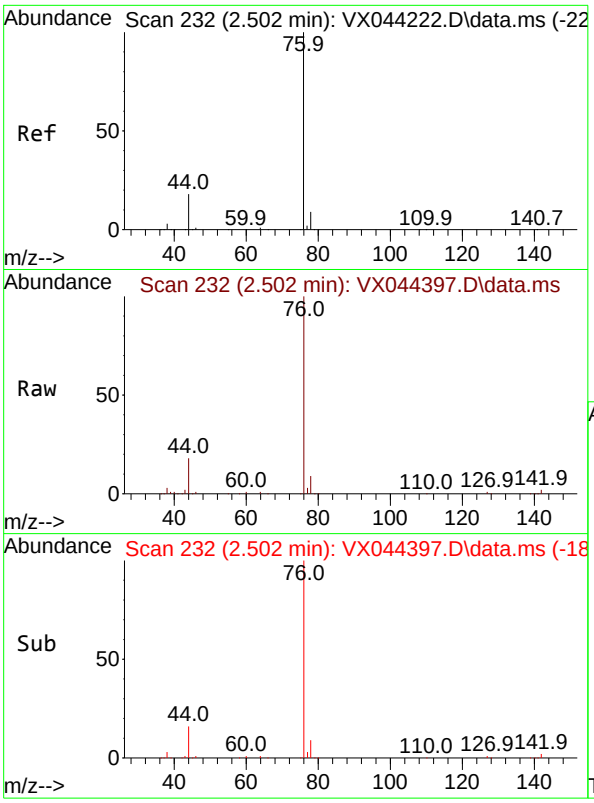




#16
Acetone
Concen: 221.165 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 213764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.2 | 21.6 | 32.4 |



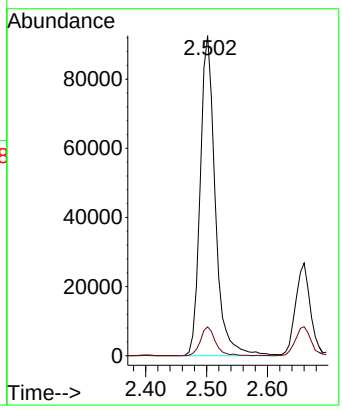


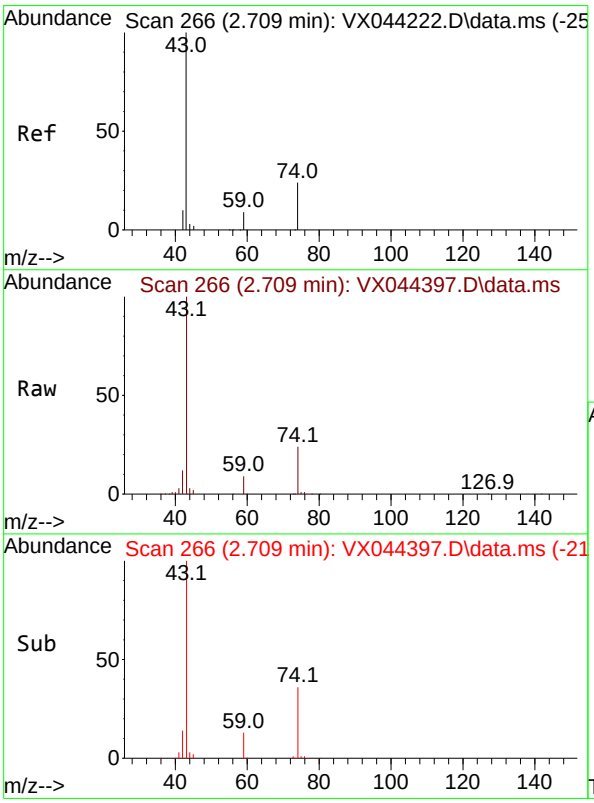

#17
Carbon Disulfide
Concen: 55.140 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 158857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.4 | 11.0 |

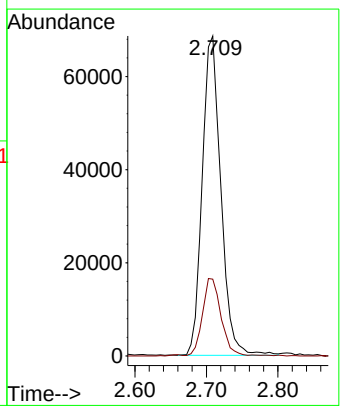


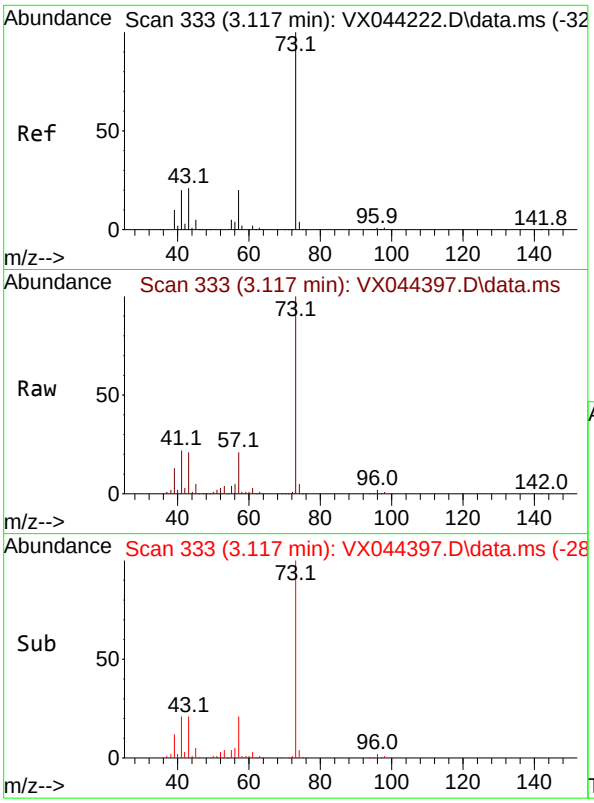




#18
Methyl Acetate
Concen: 49.781 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 124059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.4 | 17.7 | 26.5 |



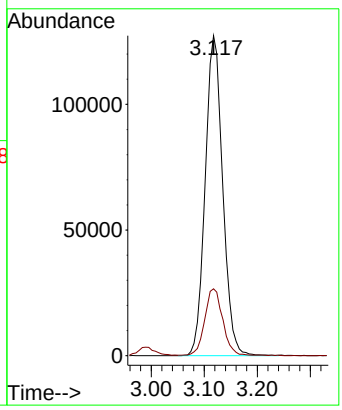


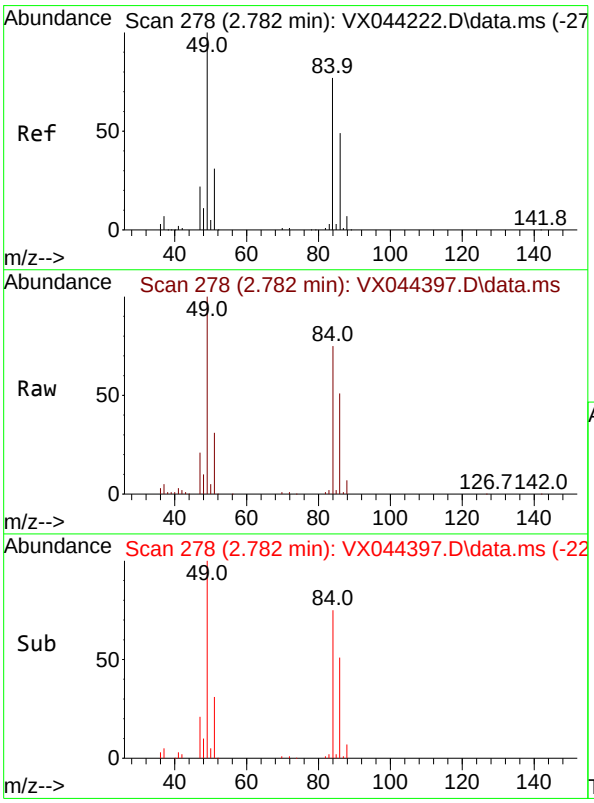

#19
Methyl tert-butyl Ether
Concen: 49.423 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 292313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.8 | 16.2 | 24.4 |

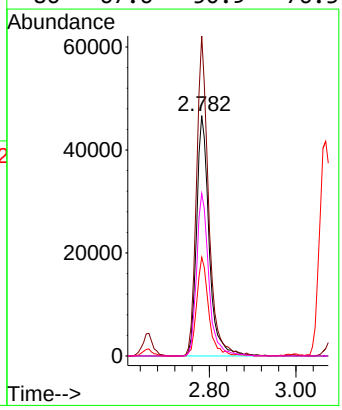


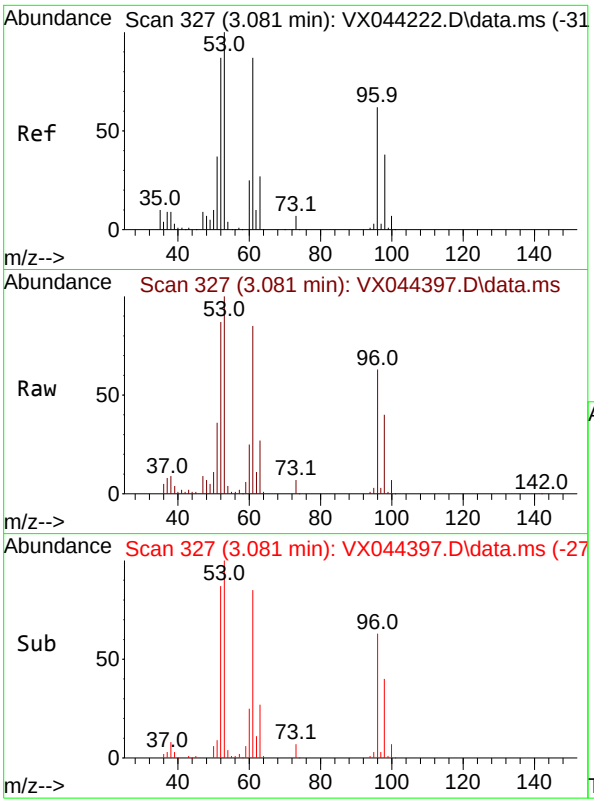




#20
Methylene Chloride
Concen: 51.666 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 84 Resp: 93795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 133.2 | 104.2 | 156.4 |
| 51 | 41.1 | 32.2 | 48.4 |
| 86 | 67.6 | 50.9 | 76.3 |



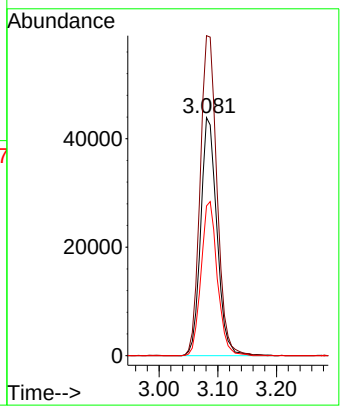


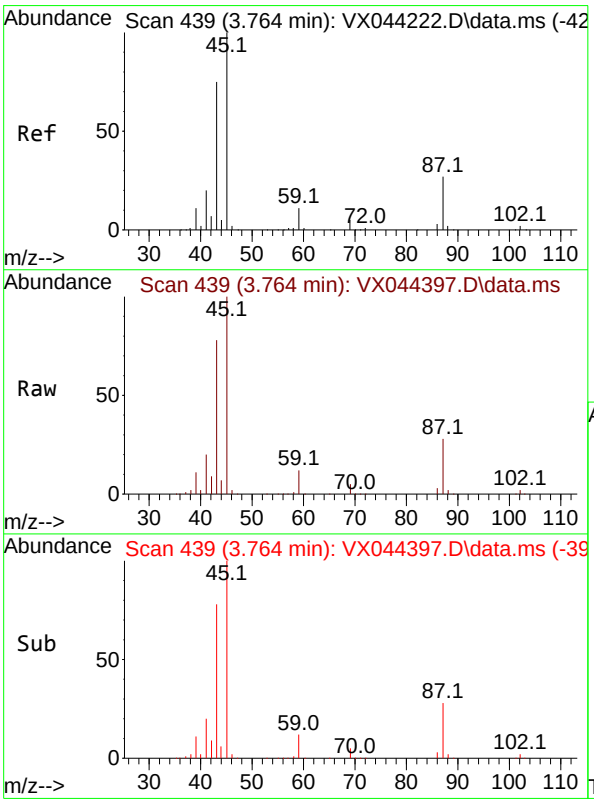

#21
trans-1,2-Dichloroethene
Concen: 52.232 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 84135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.4 | 112.0 | 168.0 |
| 98 | 62.9 | 48.8 | 73.2 |

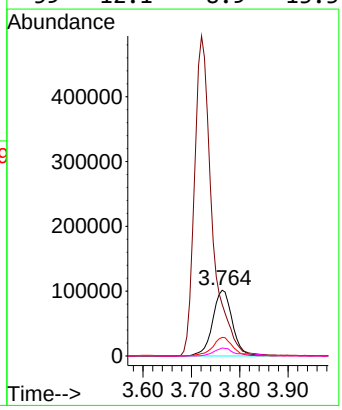


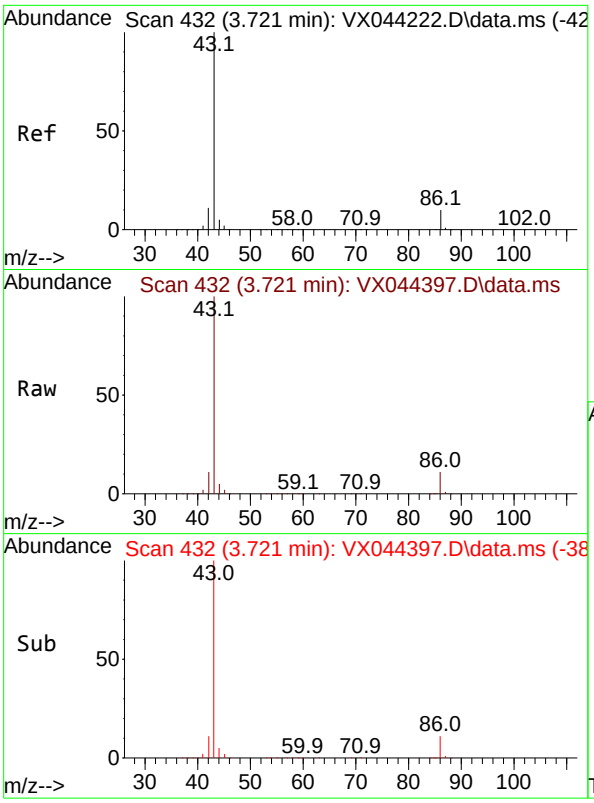




#22
Diisopropyl ether
Concen: 50.590 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 45 Resp: 287589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 78.2 | 60.2 | 90.2 |
| 87 | 28.2 | 21.2 | 31.8 |
| 59 | 12.1 | 8.9 | 13.3 |



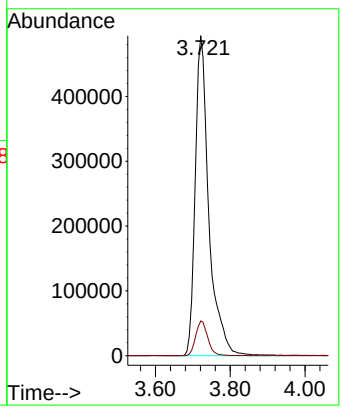


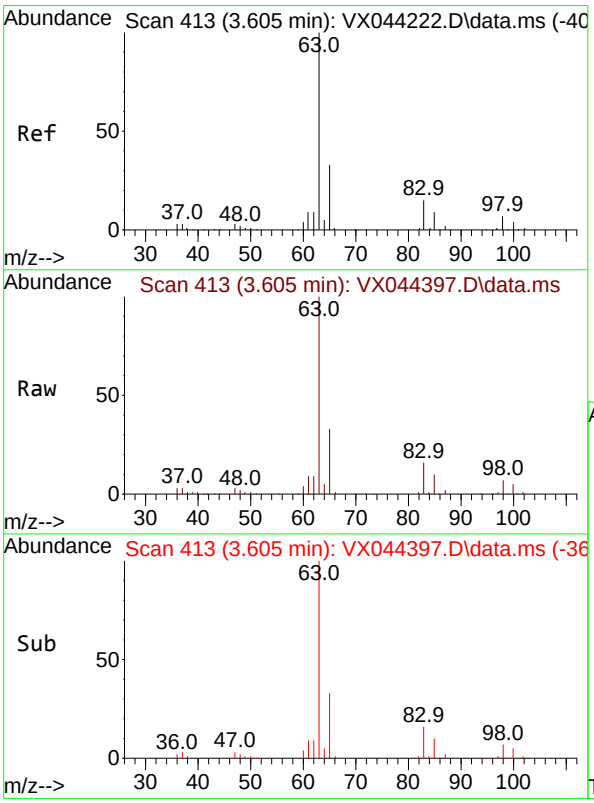

#23
Vinyl Acetate
Concen: 270.083 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 1248223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |

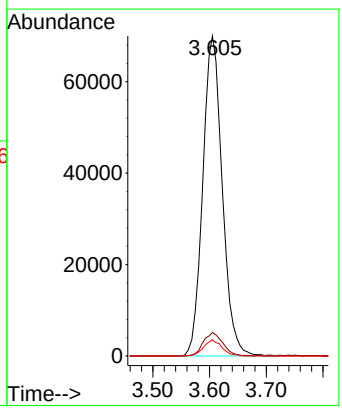


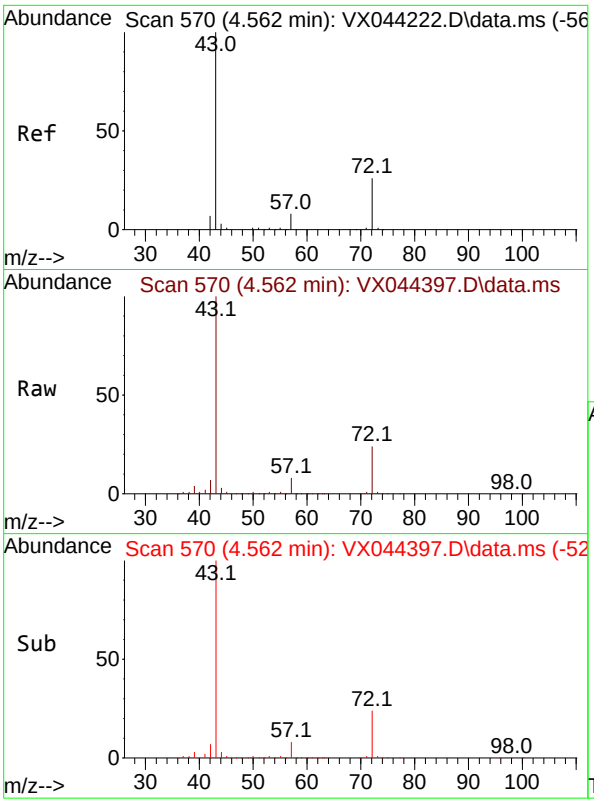




#24
1,1-Dichloroethane
Concen: 52.681 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 63 Resp: 166932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.6 | 10.8 |
| 100 | 5.1 | 2.1 | 6.3 |



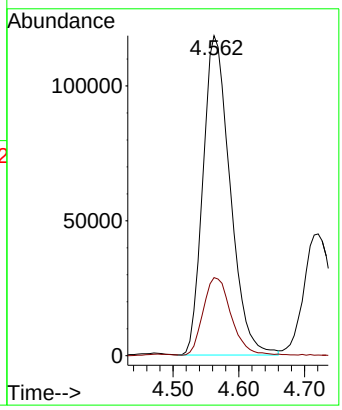


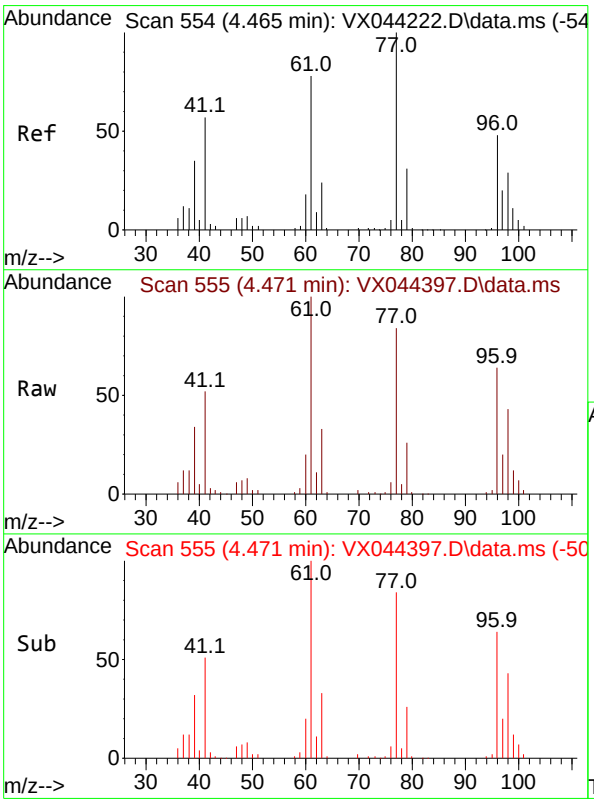

#25
2-Butanone
Concen: 247.114 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 339552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.2 | 20.2 | 30.4 |

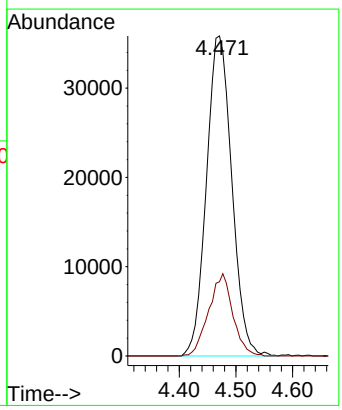


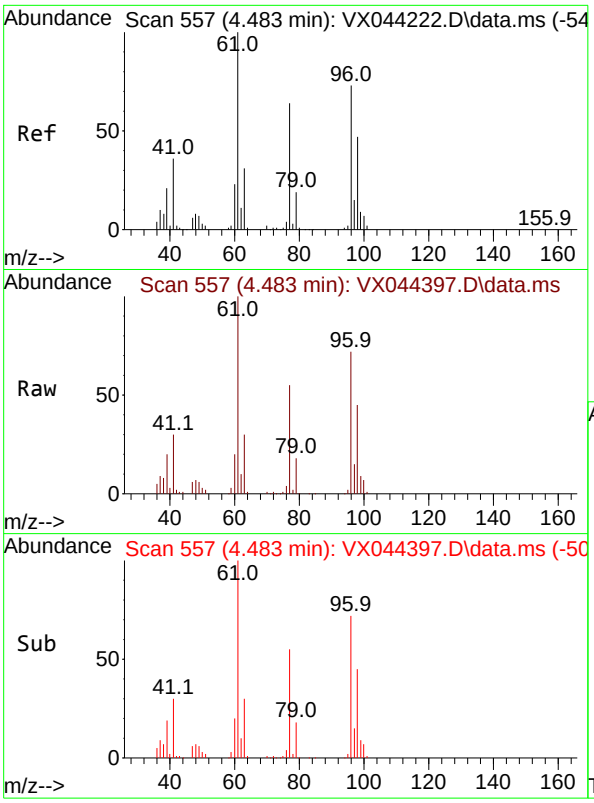




#26
2,2-Dichloropropane
Concen: 43.294 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 77 Resp: 111451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 24.4 | 10.7 | 32.1 |



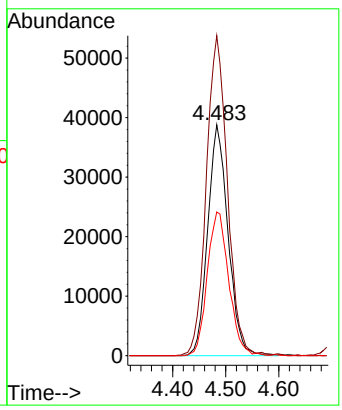


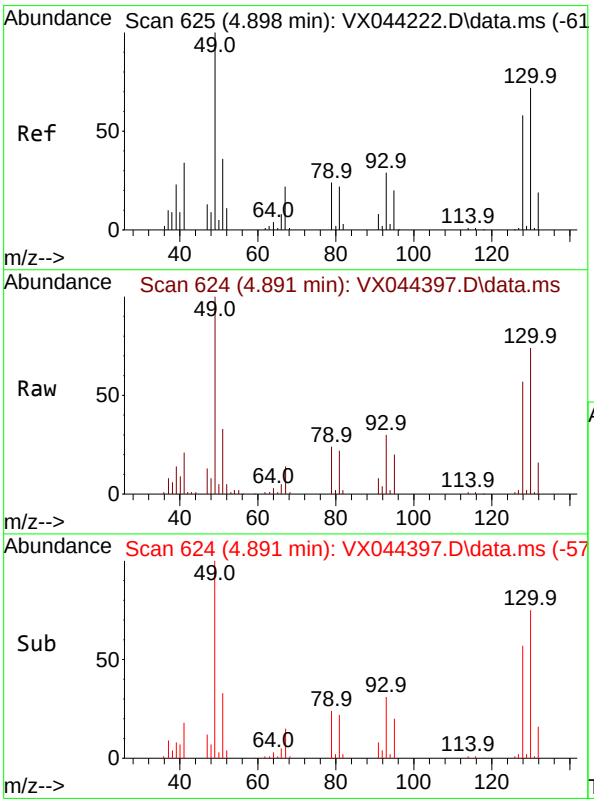

#27
cis-1,2-Dichloroethene
Concen: 50.631 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 103578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.4 | 0.0 | 299.0 |
| 98 | 65.7 | 0.0 | 129.0 |

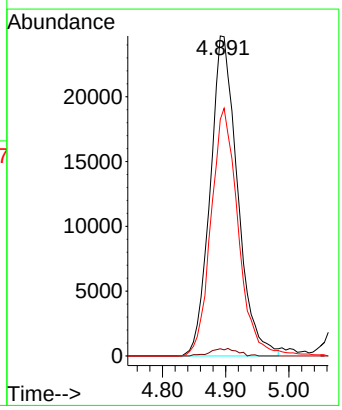


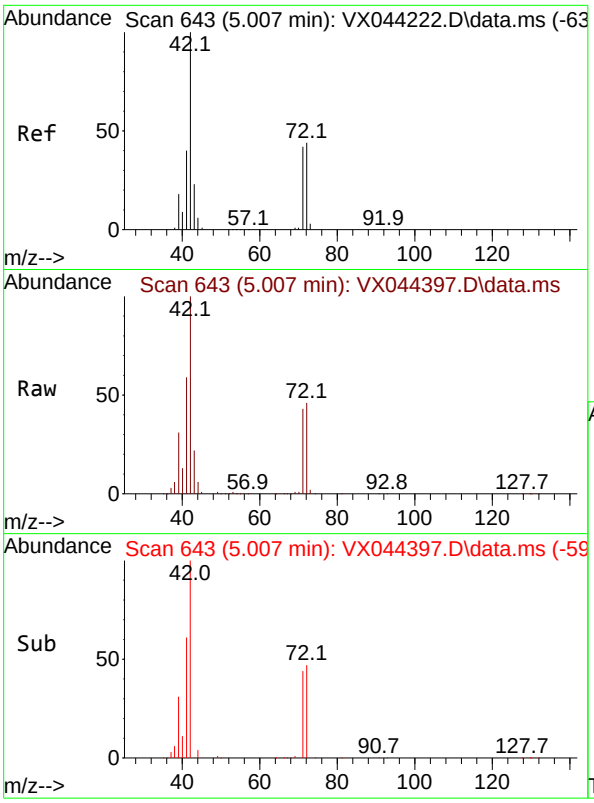




#28
Bromochloromethane
Concen: 47.791 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 49 Resp: 74260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.2 |
| 130 | 77.0 | 62.1 | 93.1 |



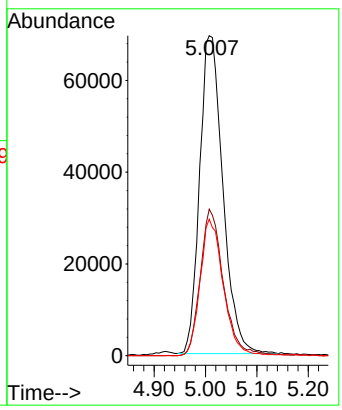


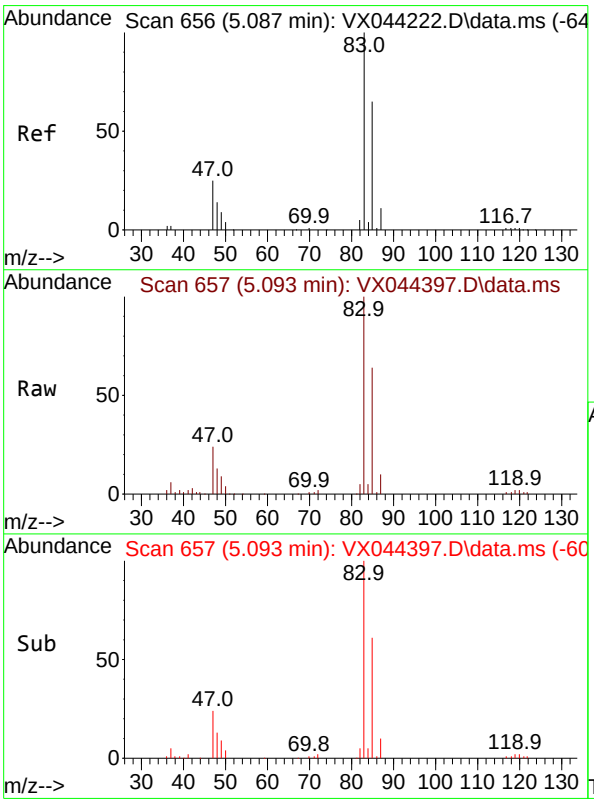

#29
Tetrahydrofuran
Concen: 246.831 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 217698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.0 | 37.0 | 55.6 |
| 71 | 42.8 | 33.6 | 50.4 |

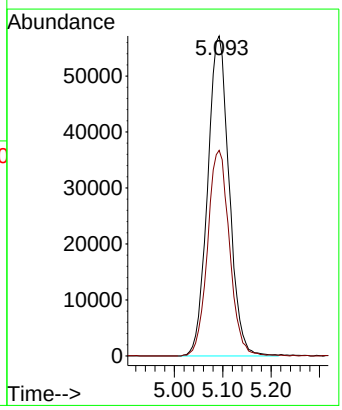


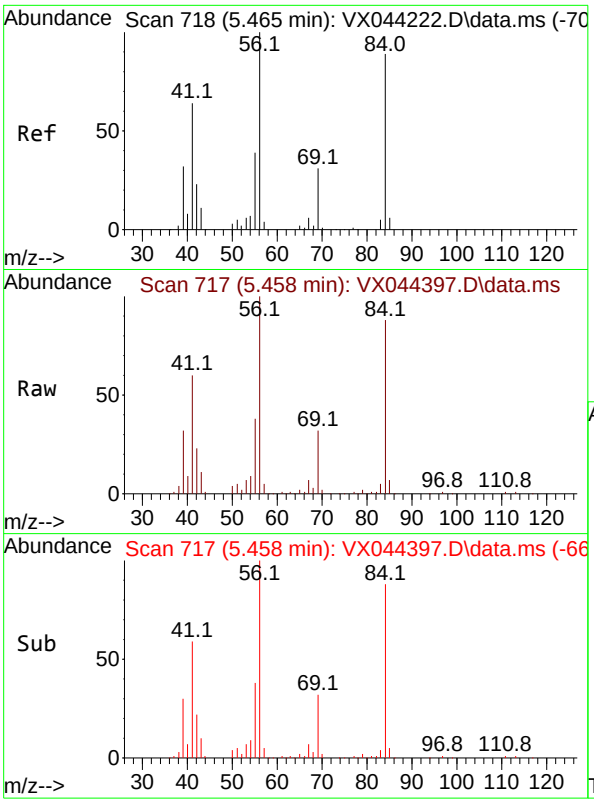




#30
Chloroform
Concen: 49.644 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 83 Resp: 176742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.6 | 77.4 |



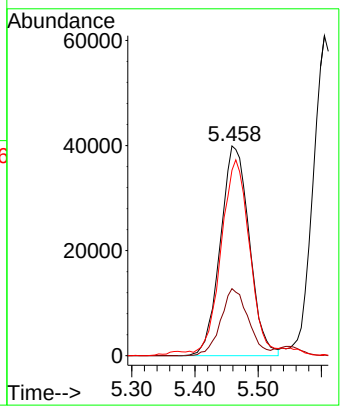


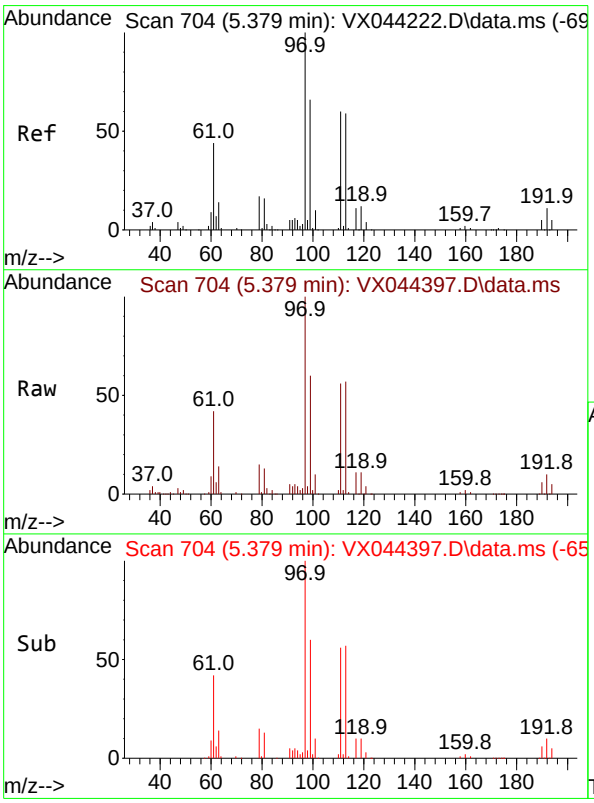

#31
Cyclohexane
Concen: 49.582 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 126871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.9 | 24.7 | 37.1 |
| 84 | 86.3 | 71.0 | 106.6 |

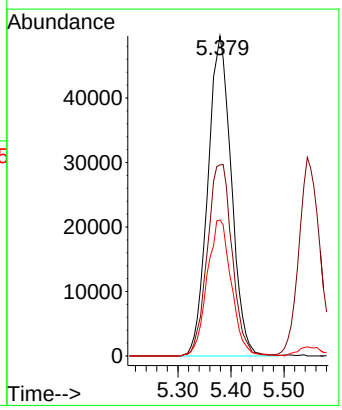


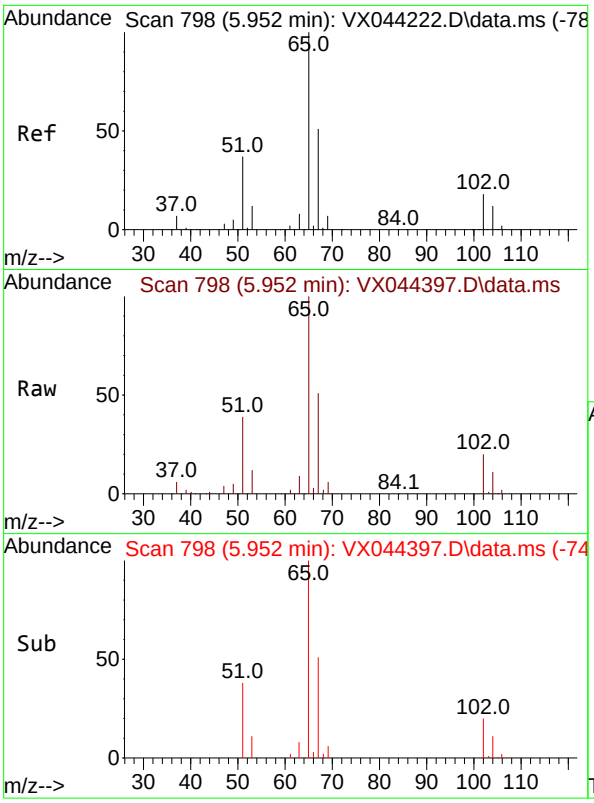




#32
1,1,1-Trichloroethane
Concen: 51.614 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 97 Resp: 152533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 50.8 | 76.2 |
| 61 | 43.9 | 35.2 | 52.8 |



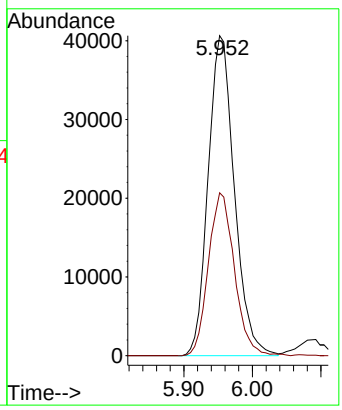


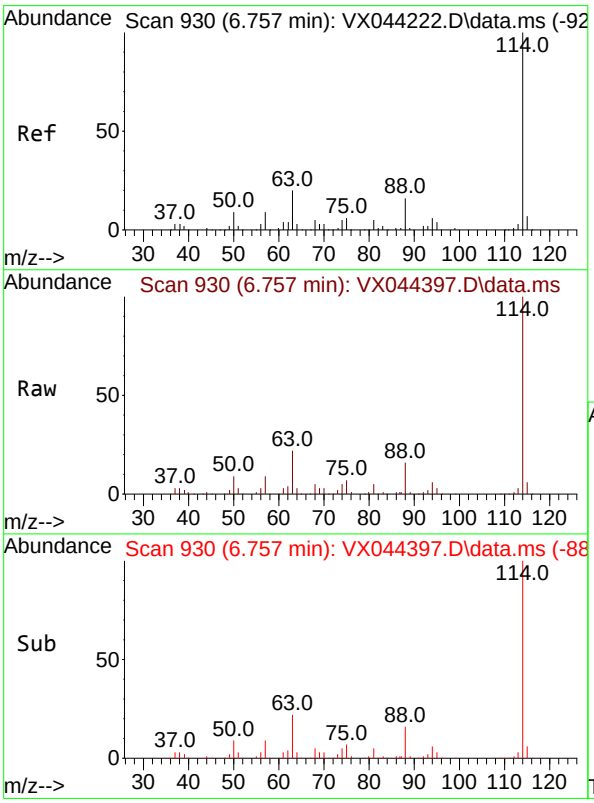

#33
1,2-Dichloroethane-d4
Concen: 45.507 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 107888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |

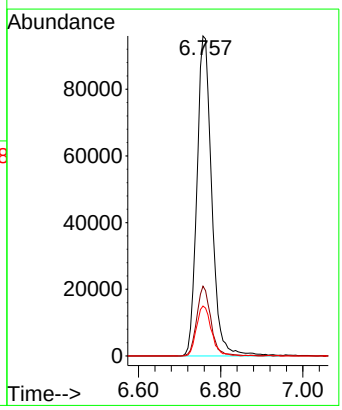


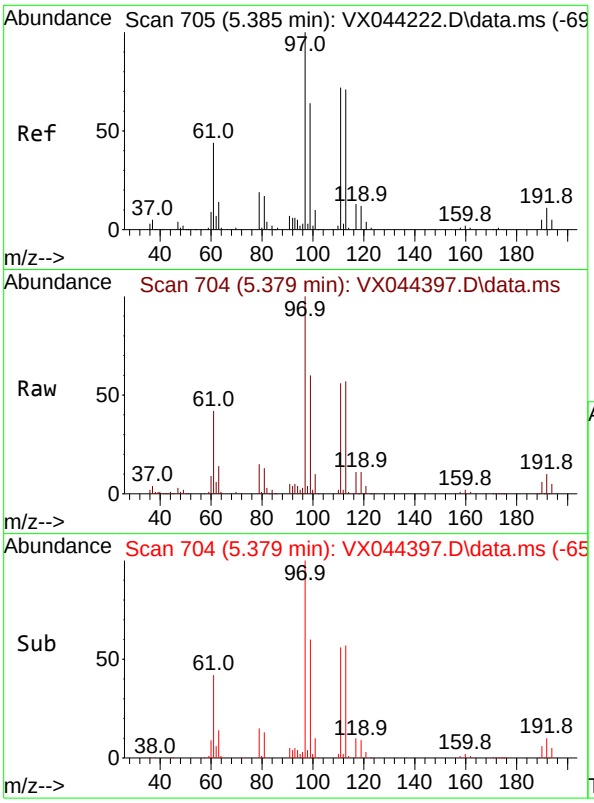




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:114 Resp: 239936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 40.6 |
| 88 | 15.6 | 0.0 | 31.8 |



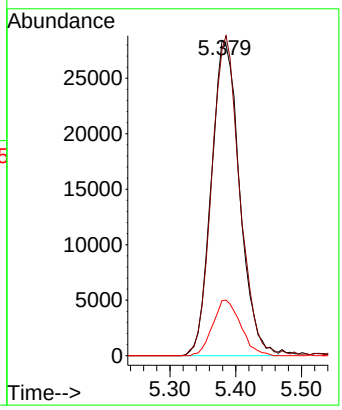


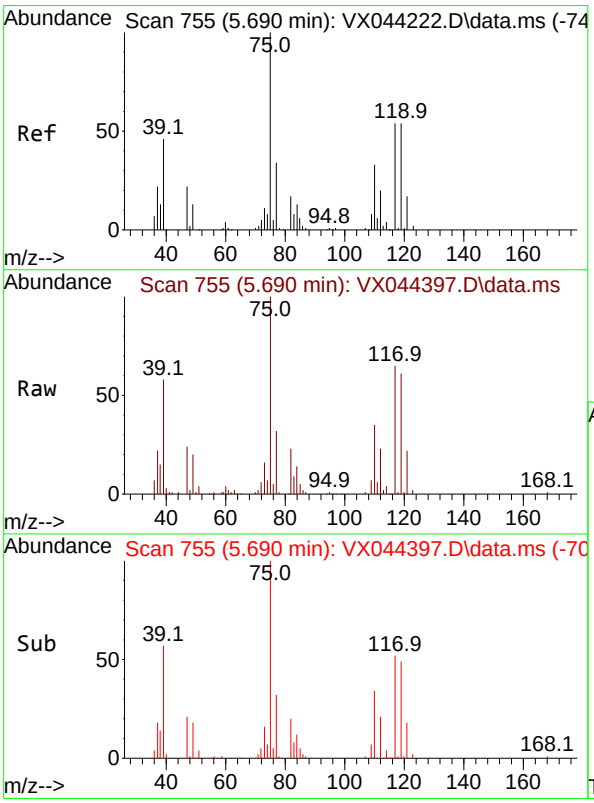

#35
Dibromofluoromethane
Concen: 51.157 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 85012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.2 | 80.4 | 120.6 |
| 192 | 17.4 | 13.3 | 19.9 |

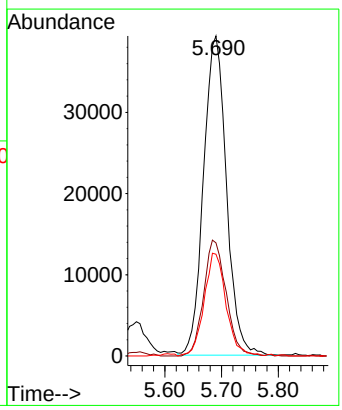


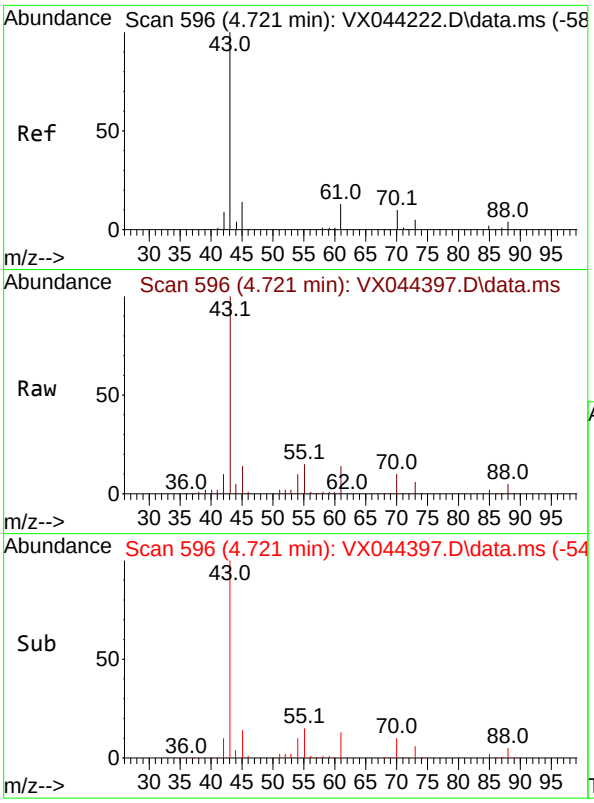




#36
1,1-Dichloropropene
Concen: 51.438 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 110493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.4 | 17.3 | 51.7 |
| 77 | 30.8 | 25.4 | 38.0 |



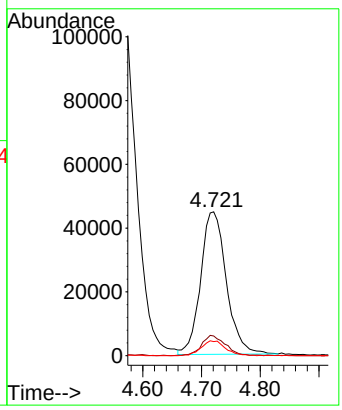


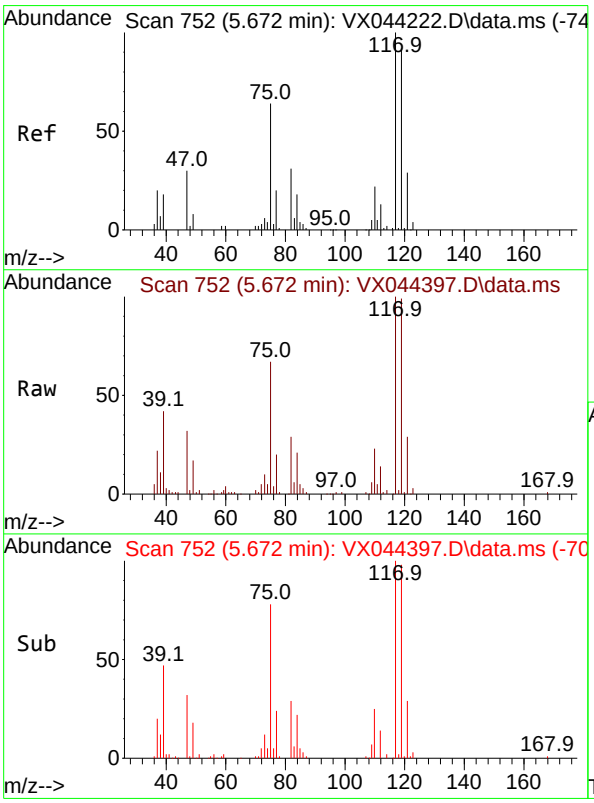

#37
Ethyl Acetate
Concen: 51.297 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 136208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 9.8 | 14.8 |
| 70 | 9.8 | 7.7 | 11.5 |

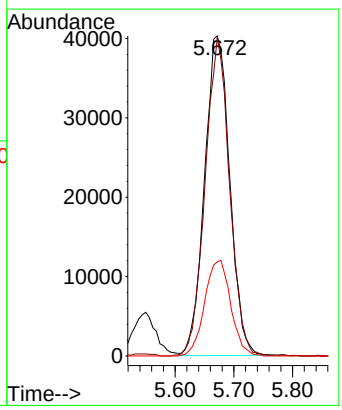


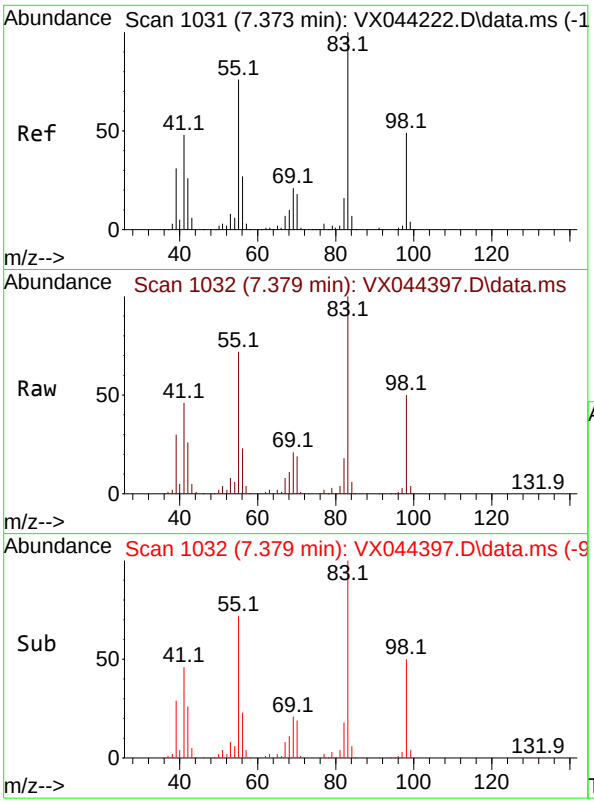




#38
Carbon Tetrachloride
Concen: 52.064 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:117 Resp: 120403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.3 | 74.2 | 111.4 |
| 121 | 29.4 | 23.0 | 34.6 |



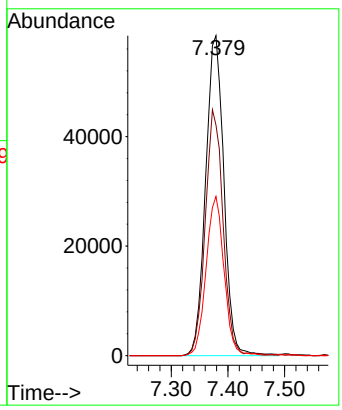


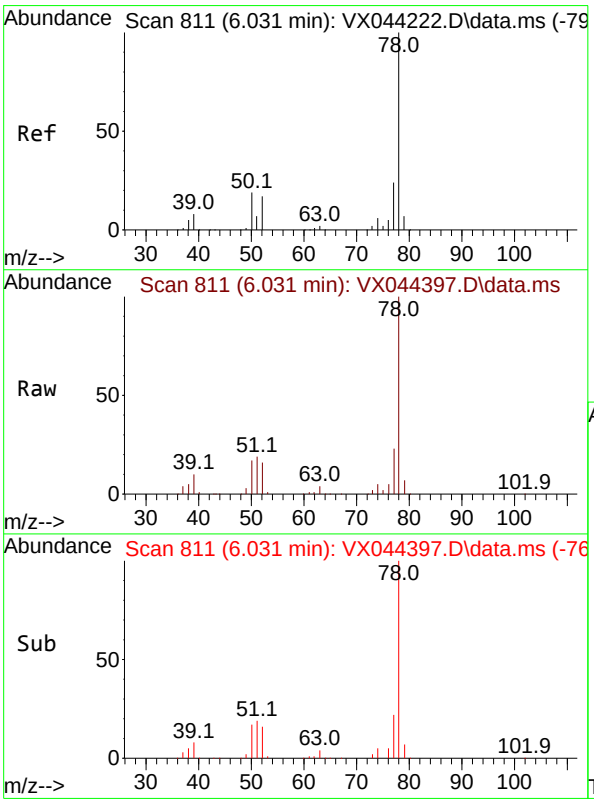

#39
Methylcyclohexane
Concen: 50.884 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 130669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.1 | 60.7 | 91.1 |
| 98 | 49.8 | 38.9 | 58.3 |

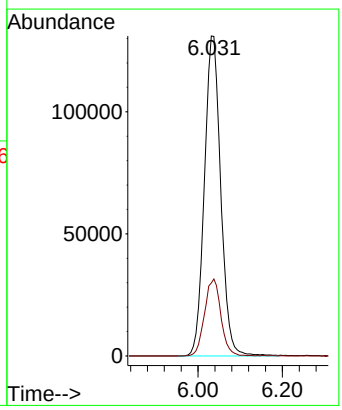


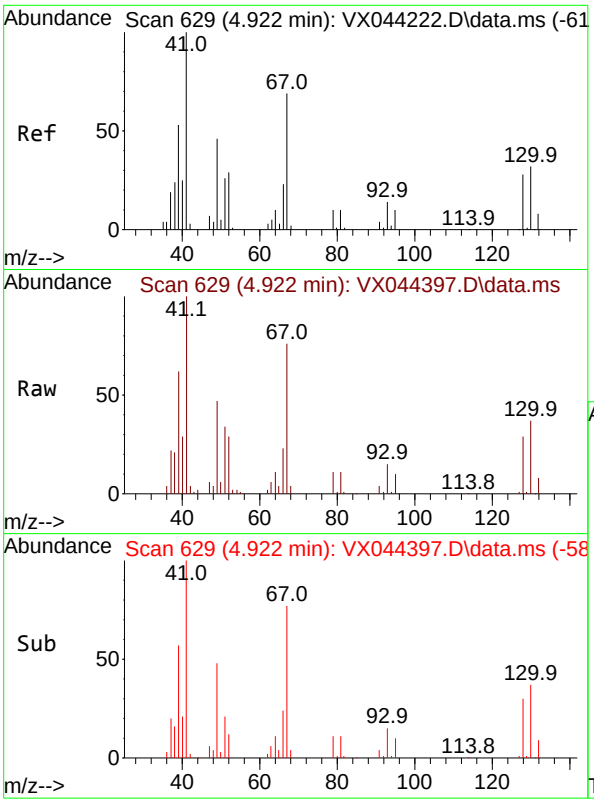




#40
Benzene
Concen: 54.246 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 78 Resp: 353789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.8 | 19.3 | 28.9 |



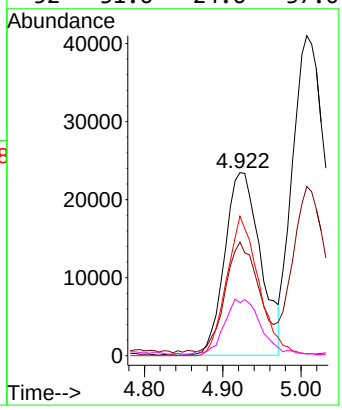


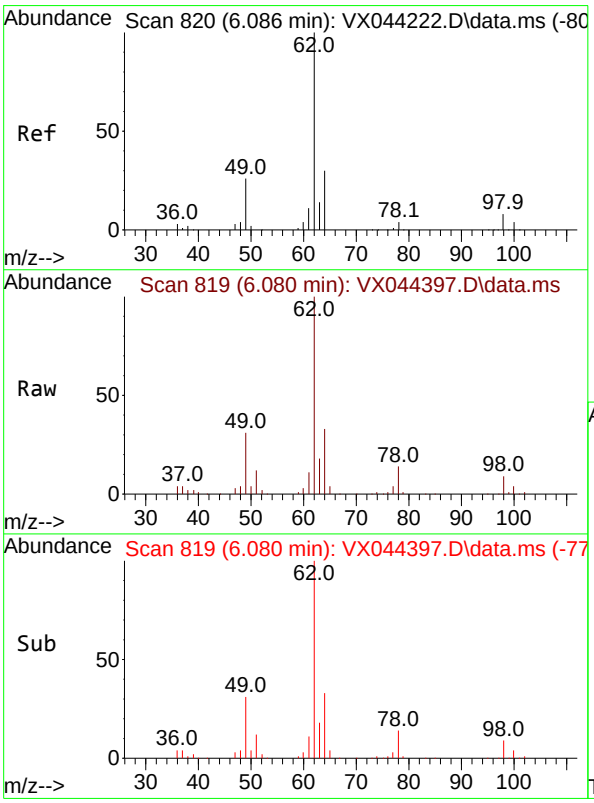

#41
Methacrylonitrile
Concen: 52.726 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 74342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.4 | 44.2 | 66.4 |
| 67 | 69.0 | 57.2 | 85.8 |
| 52 | 31.6 | 24.6 | 37.0 |

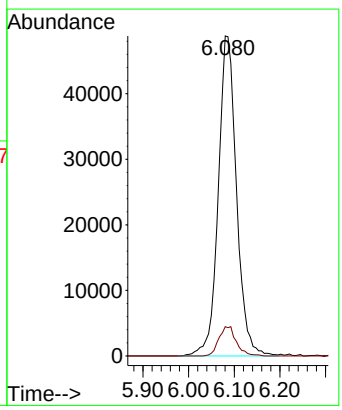


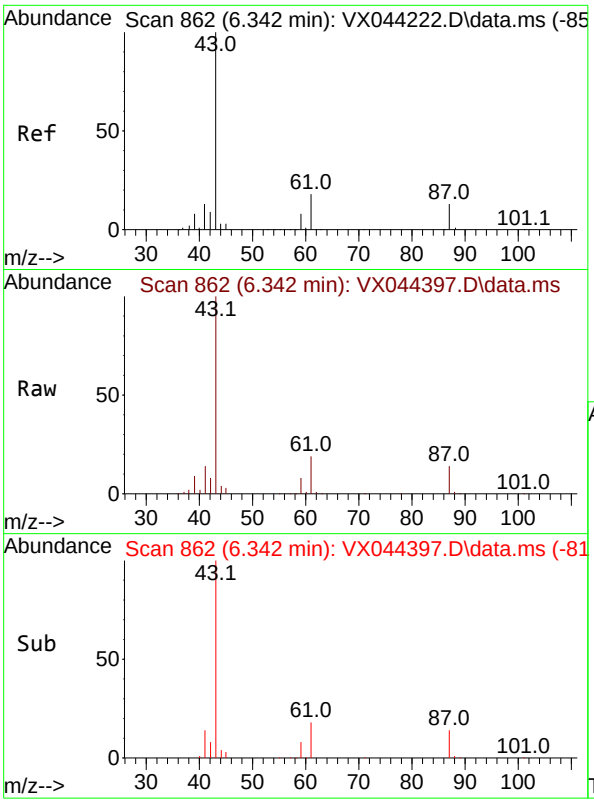




#42
1,2-Dichloroethane
Concen: 50.400 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 62 Resp: 135405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 15.8 |



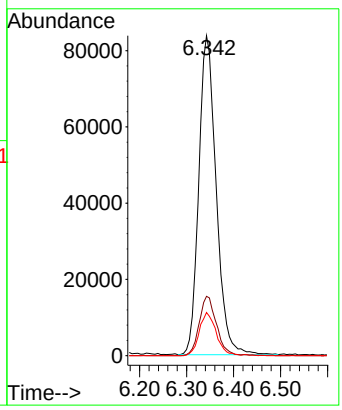


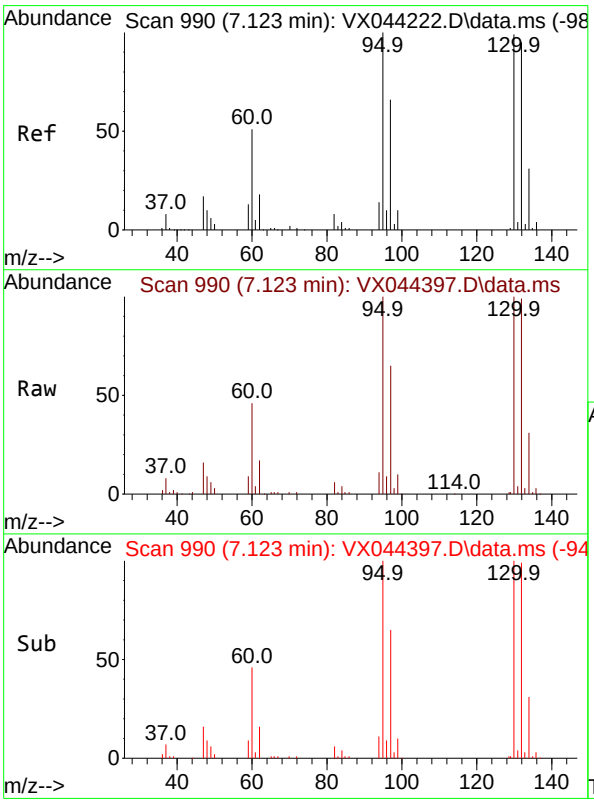

#43
Isopropyl Acetate
Concen: 51.907 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 215421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 14.2 | 21.2 |
| 87 | 13.2 | 10.2 | 15.2 |

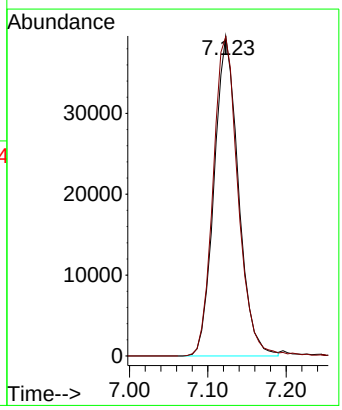


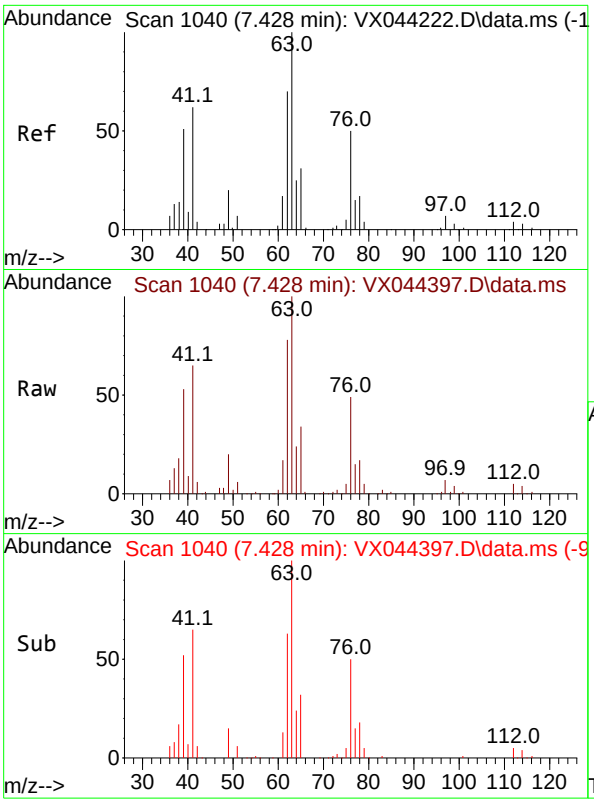




#44
Trichloroethene
Concen: 52.403 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:130 Resp: 85228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.8 | 0.0 | 201.4 |



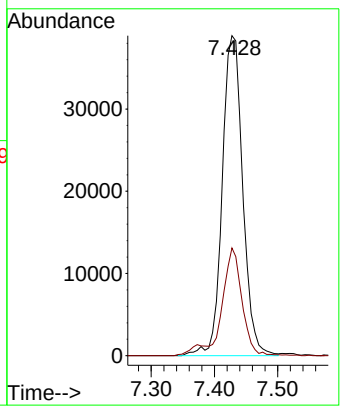


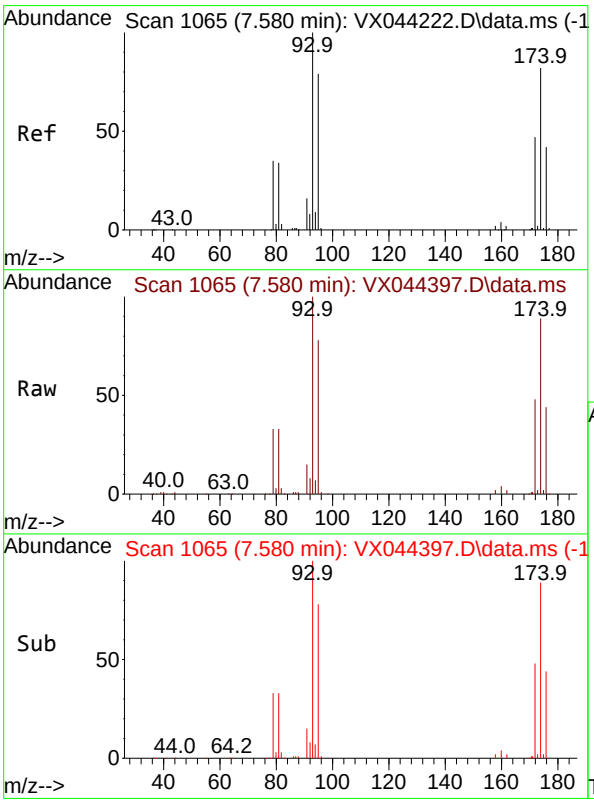

#45
1,2-Dichloropropane
Concen: 52.551 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 87563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.3 | 24.6 | 37.0 |

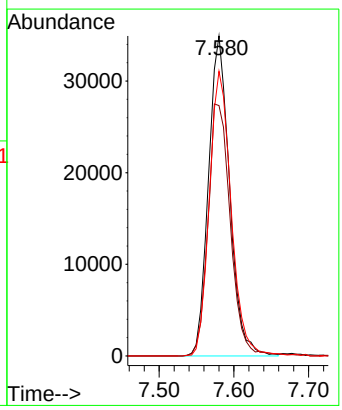


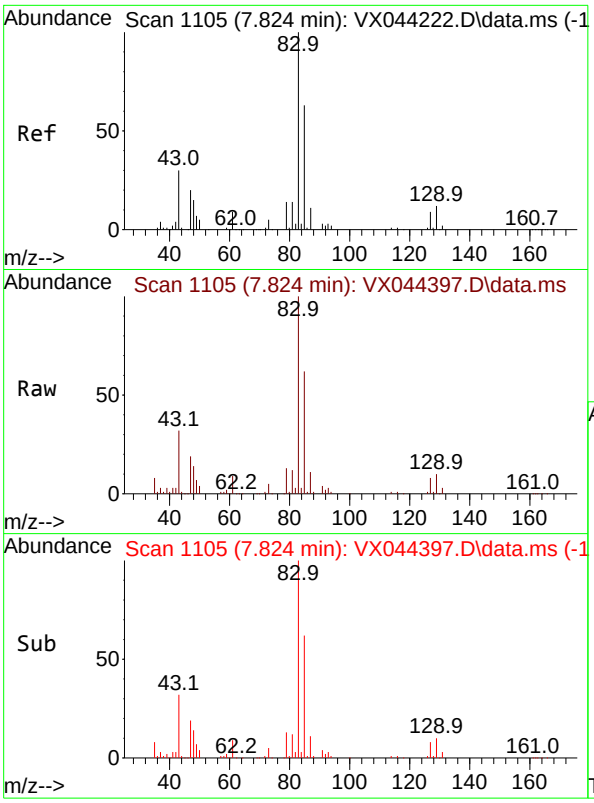




#46
Dibromomethane
Concen: 52.923 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 93 Resp: 68412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.6 | 65.4 | 98.2 |
| 174 | 92.0 | 67.9 | 101.9 |



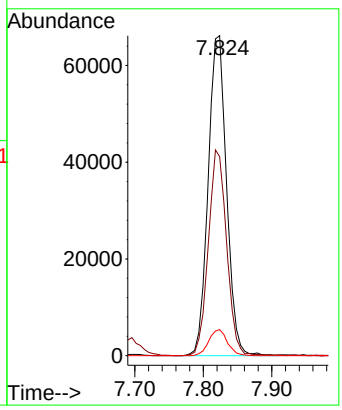


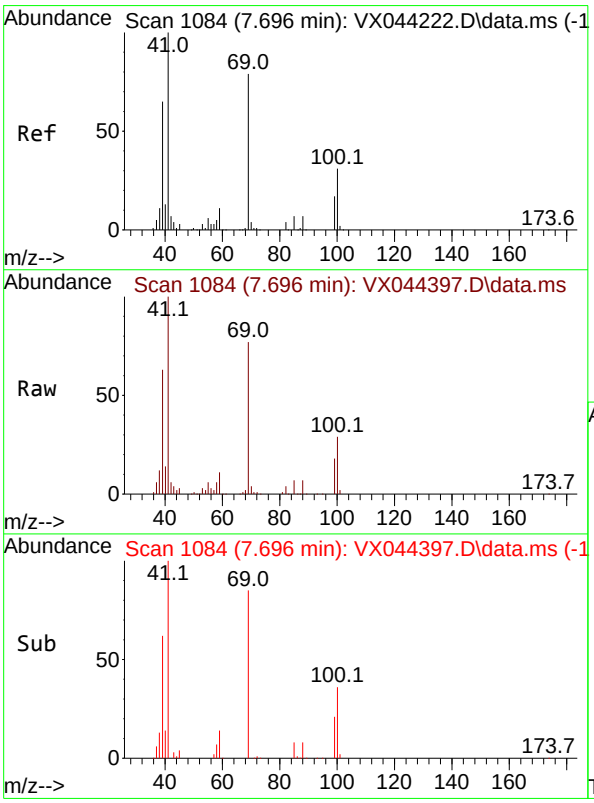

#47
Bromodichloromethane
Concen: 55.381 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 123638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 50.6 | 75.8 |
| 127 | 8.1 | 7.3 | 10.9 |

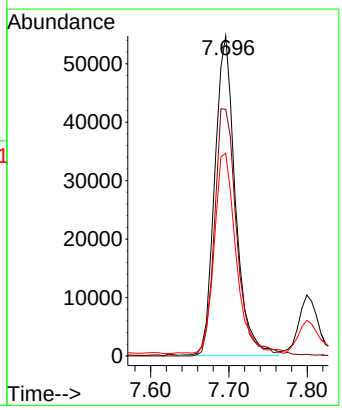


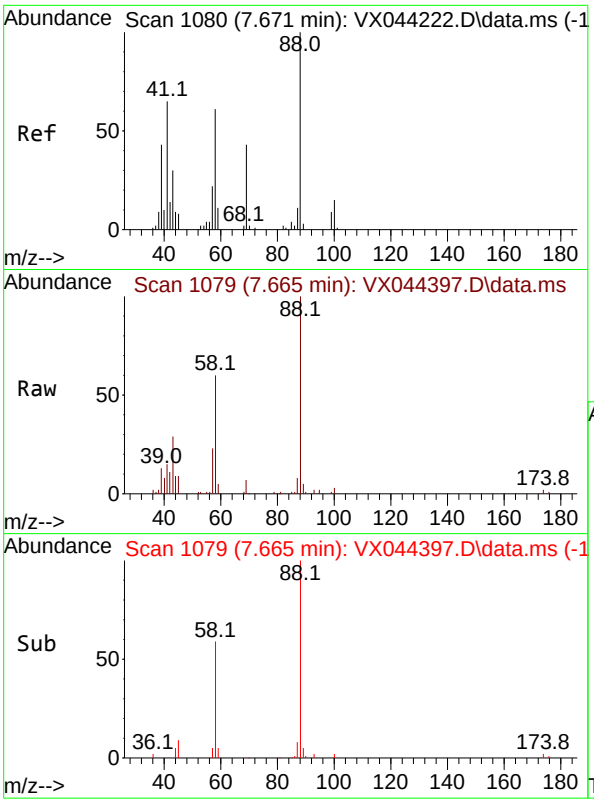




#48
Methyl methacrylate
Concen: 49.782 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 41 Resp: 100291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.8 | 62.4 | 93.6 |
| 39 | 65.6 | 53.3 | 79.9 |



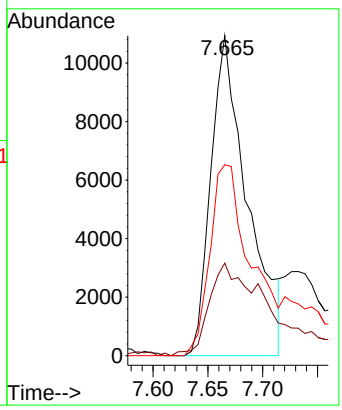


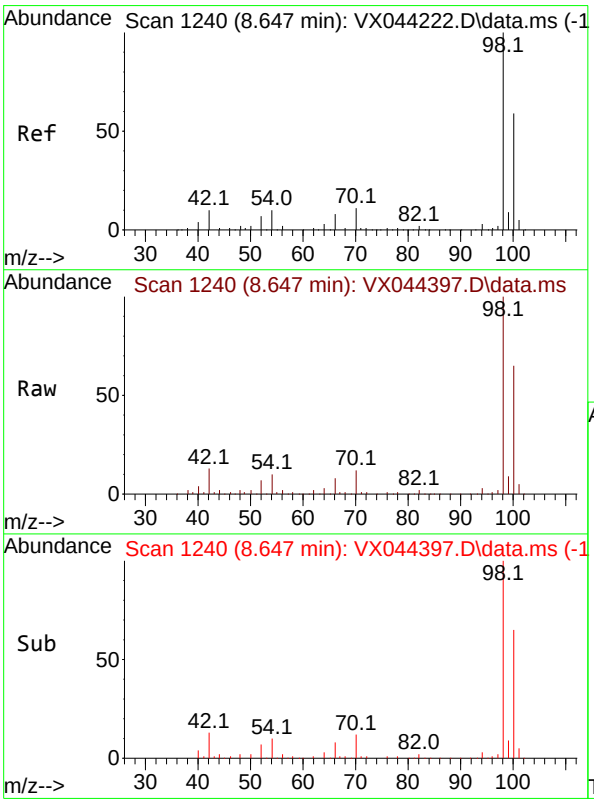

#49
1,4-Dioxane
Concen: 762.005 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 25452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 47.8 | 27.1 | 40.7# |
| 58 | 67.0 | 41.0 | 61.4# |

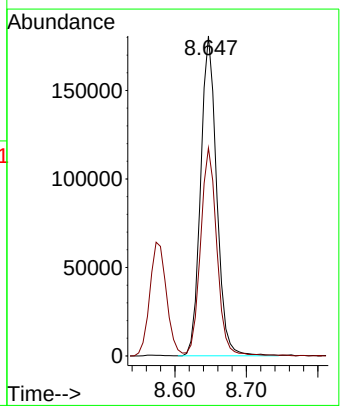


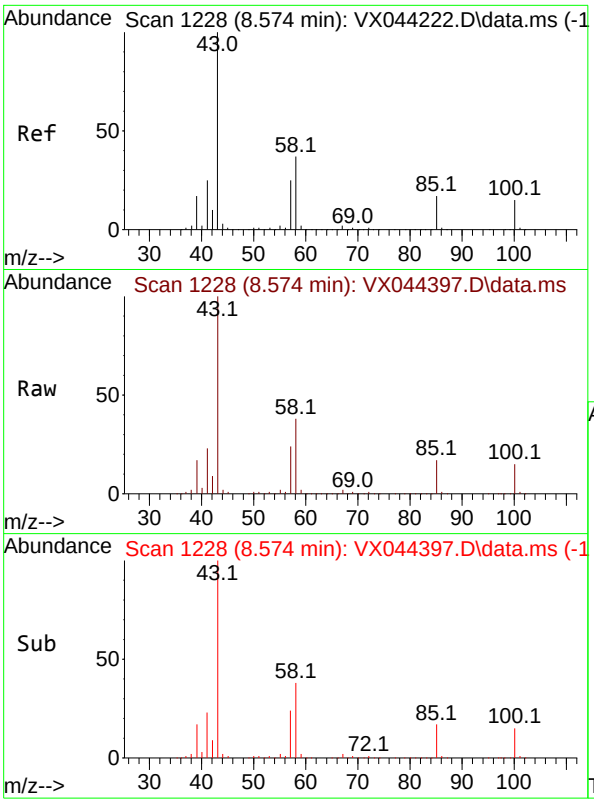




#50
Toluene-d8
Concen: 50.233 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 98 Resp: 281622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 51.5 | 77.3 |



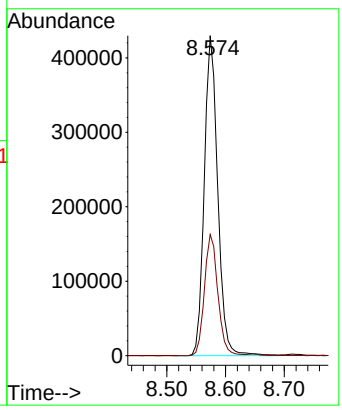


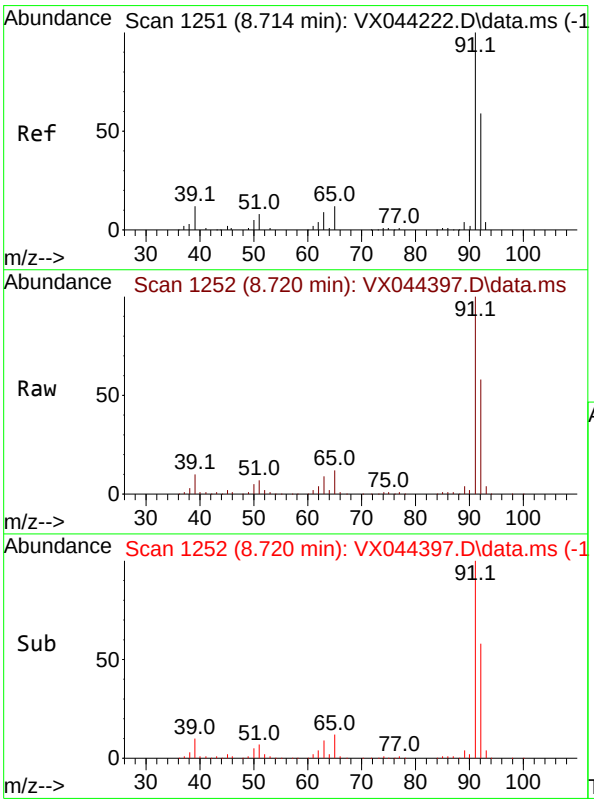

#51
4-Methyl-2-Pentanone
Concen: 255.786 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 682557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 29.4 | 44.0 |

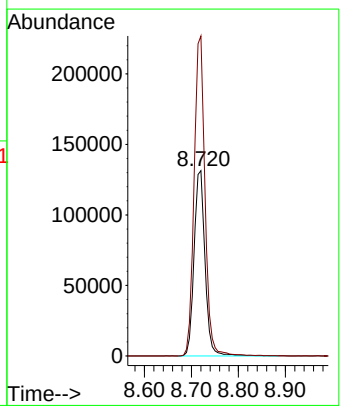


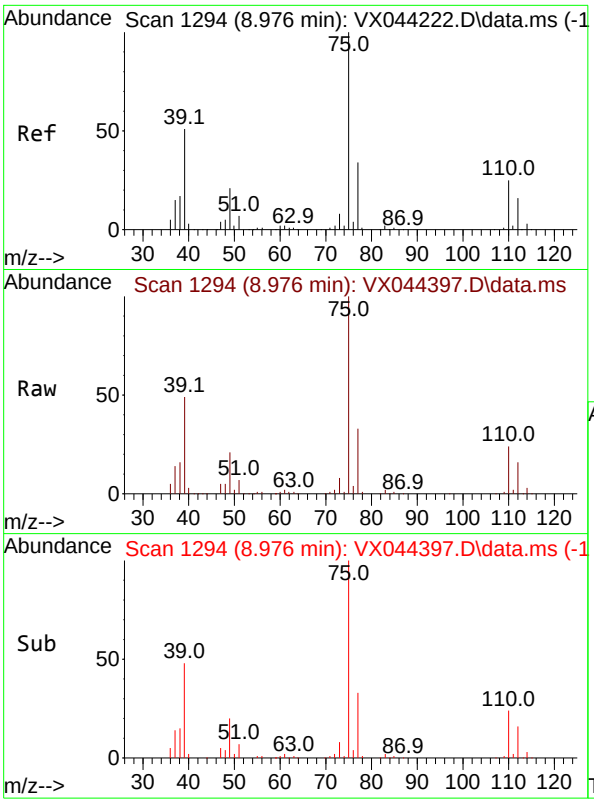




#52
Toluene
Concen: 52.287 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 92 Resp: 214145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.8 | 137.0 | 205.6 |



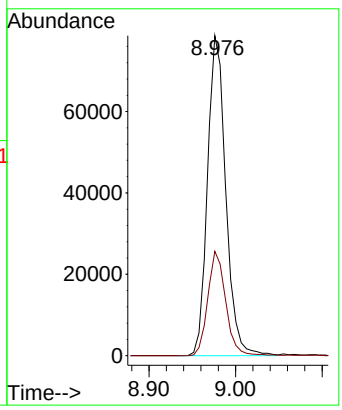


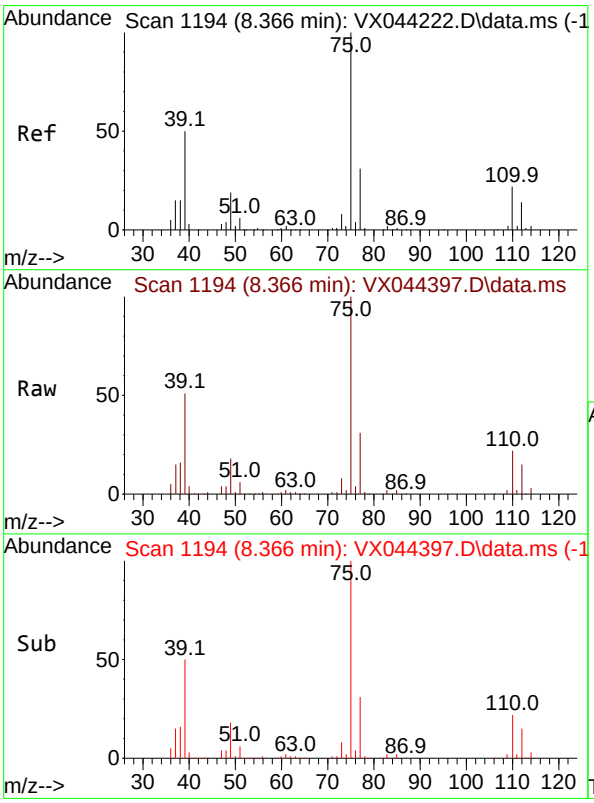

#53
t-1,3-Dichloropropene
Concen: 48.259 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 115357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 27.2 | 40.8 |

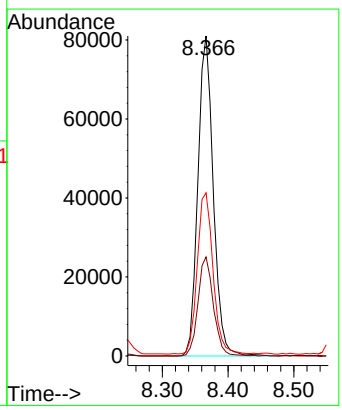


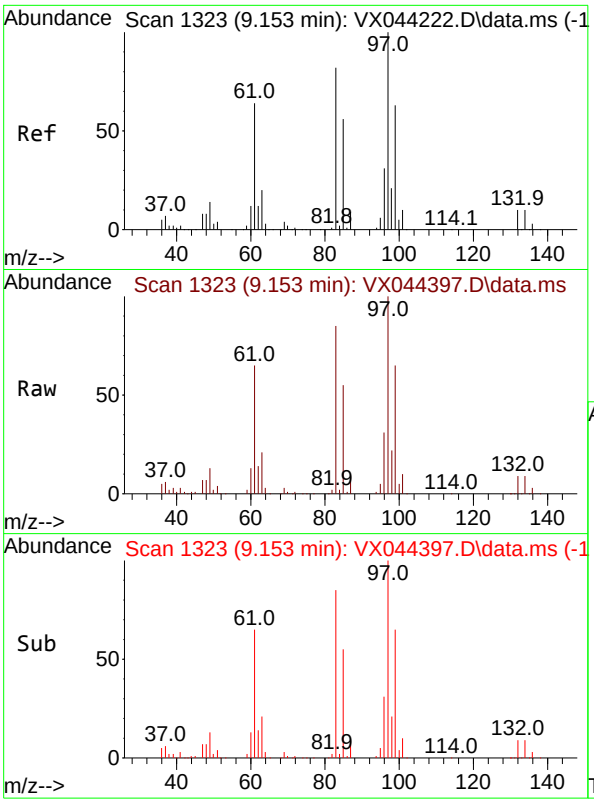




#54
cis-1,3-Dichloropropene
Concen: 54.285 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 131957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 24.7 | 37.1 |
| 39 | 50.5 | 40.3 | 60.5 |



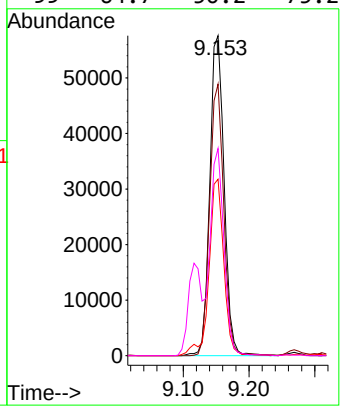


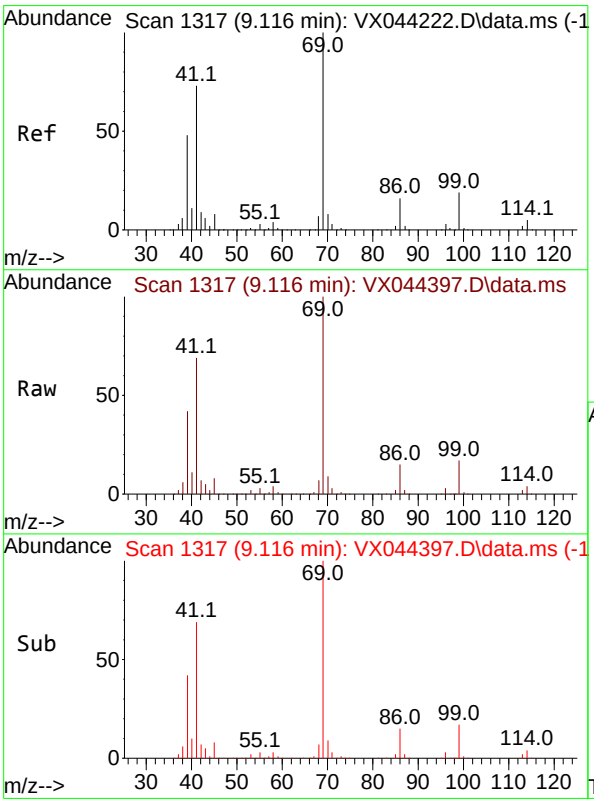

#55
1,1,2-Trichloroethane
Concen: 53.669 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 87322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.8 | 65.3 | 97.9 |
| 85 | 55.2 | 44.6 | 67.0 |
| 99 | 64.7 | 50.2 | 75.2 |

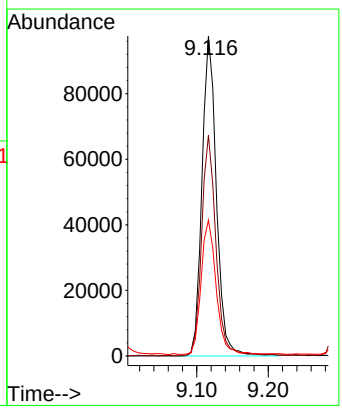


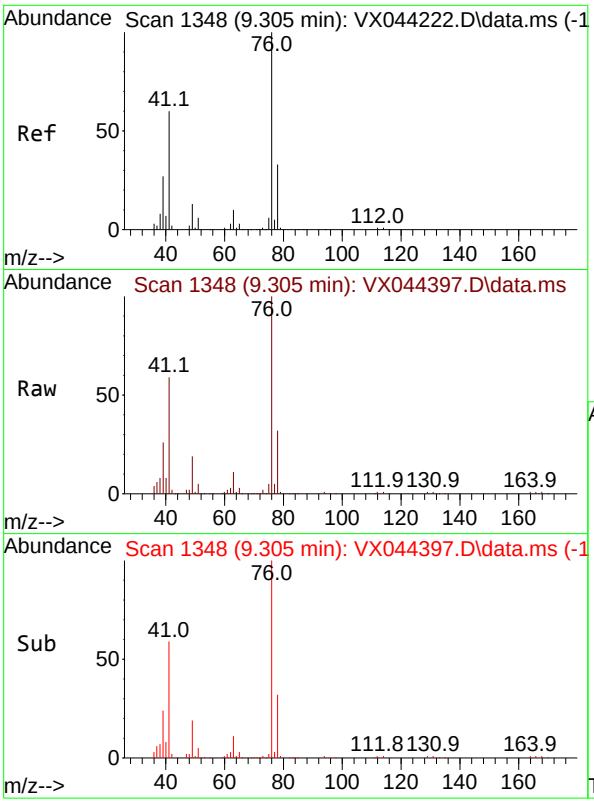




#56
Ethyl methacrylate
Concen: 53.333 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 69 Resp: 136992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.5 | 56.6 | 85.0 |
| 39 | 43.6 | 37.4 | 56.0 |



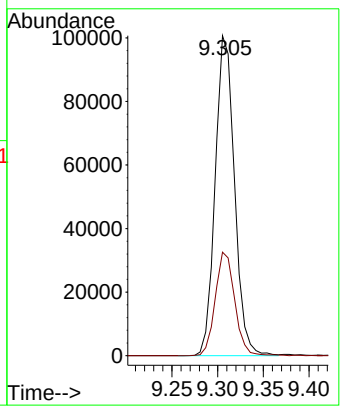


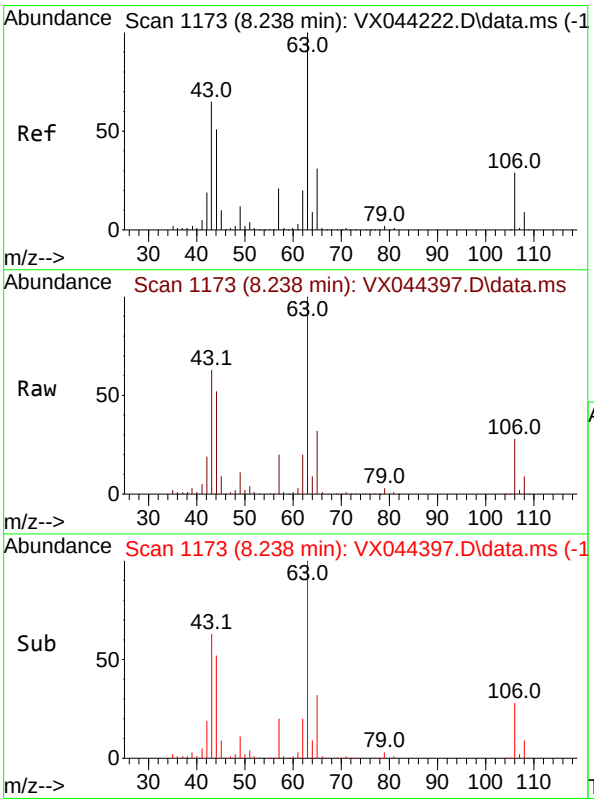

#57
1,3-Dichloropropane
Concen: 52.251 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 147976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.5 | 39.7 |

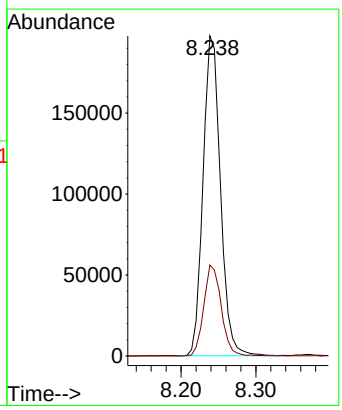


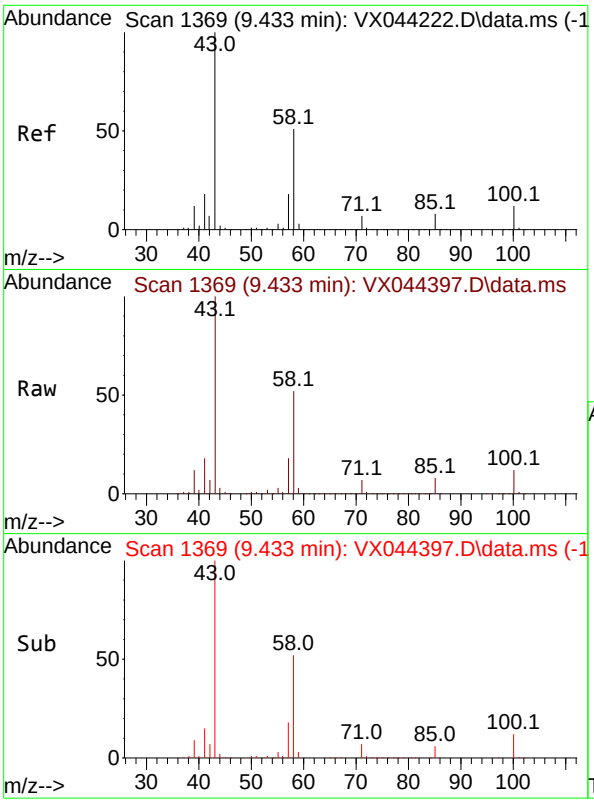




#58
2-Chloroethyl Vinyl ether
Concen: 246.430 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 63 Resp: 319257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.7 | 22.8 | 34.2 |



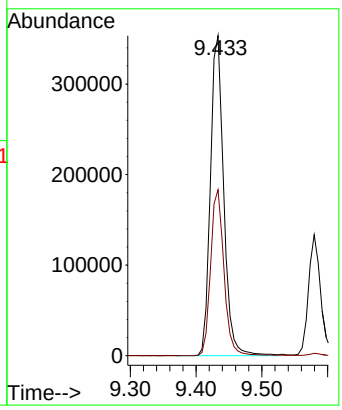


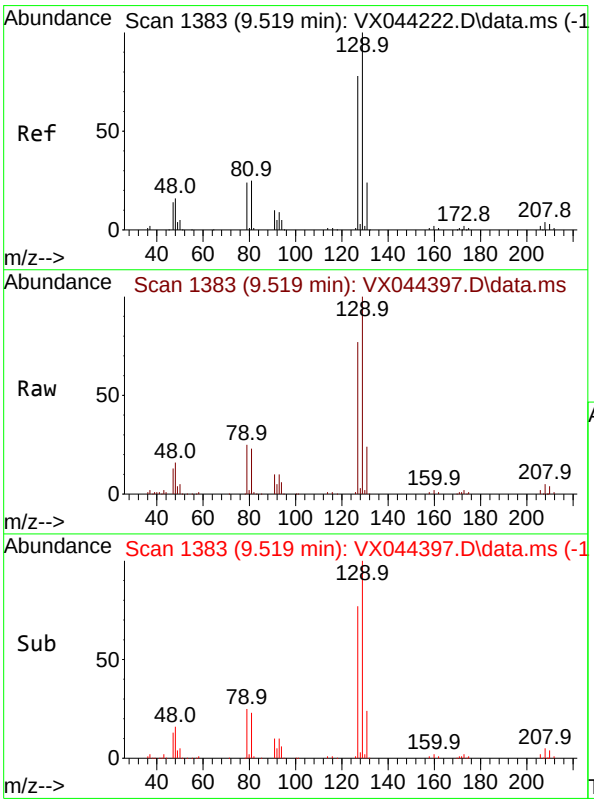

#59
2-Hexanone
Concen: 258.095 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 498511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 25.7 | 77.0 |

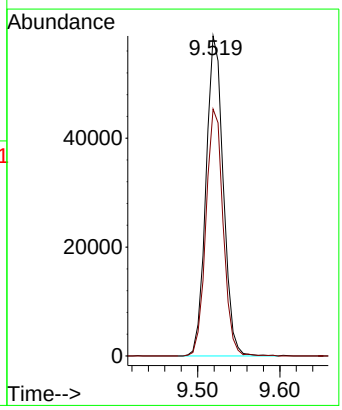


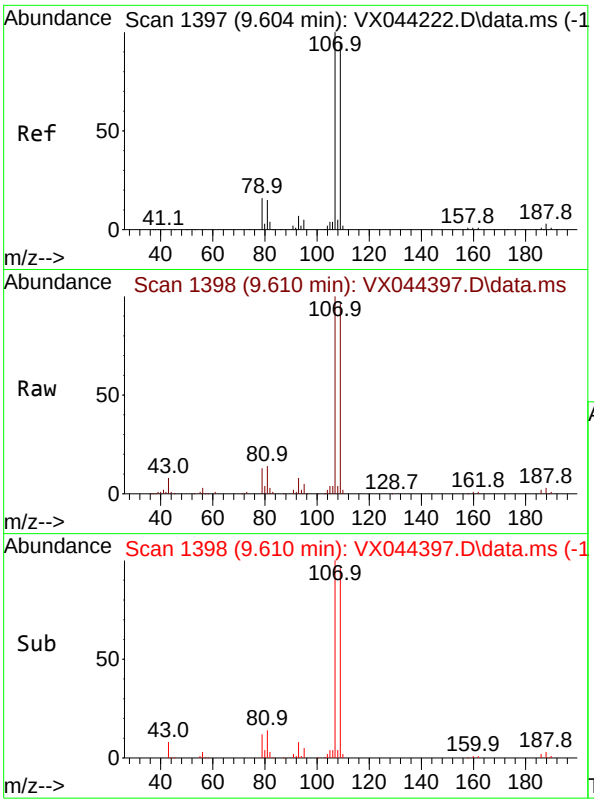




#60
Dibromochloromethane
Concen: 49.779 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:129 Resp: 85744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.5 | 115.3 |



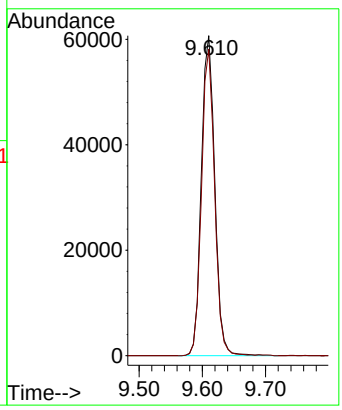


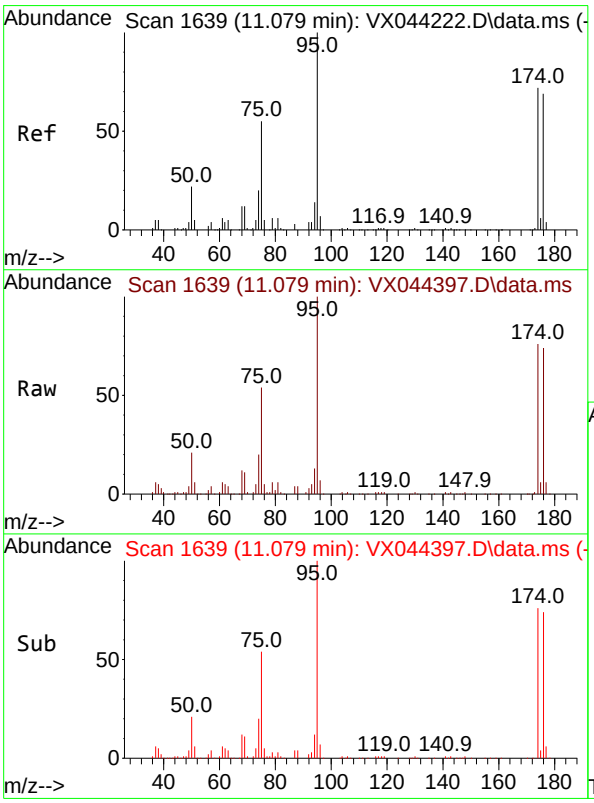

#61
1,2-Dibromoethane
Concen: 54.158 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 89694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 77.0 | 115.4 |

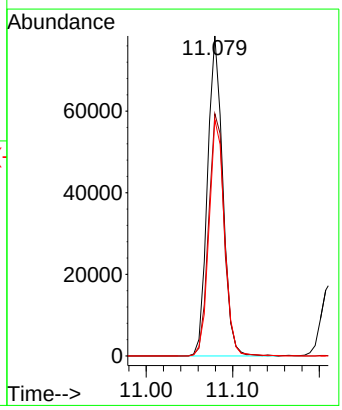


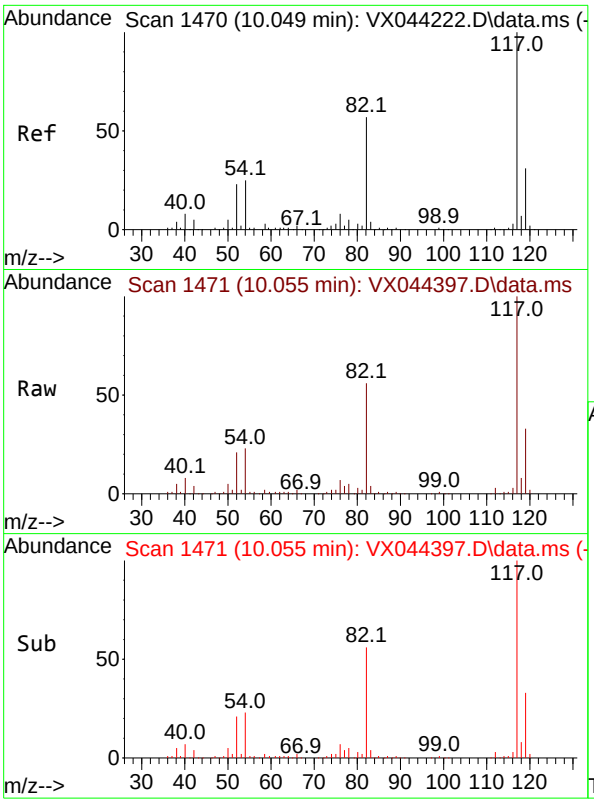




#62
4-Bromofluorobenzene
Concen: 49.060 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 95 Resp: 96109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.3 | 0.0 | 145.8 |
| 176 | 74.8 | 0.0 | 137.8 |



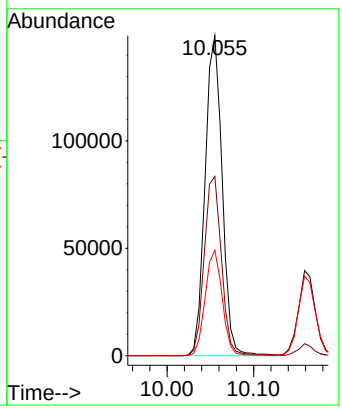


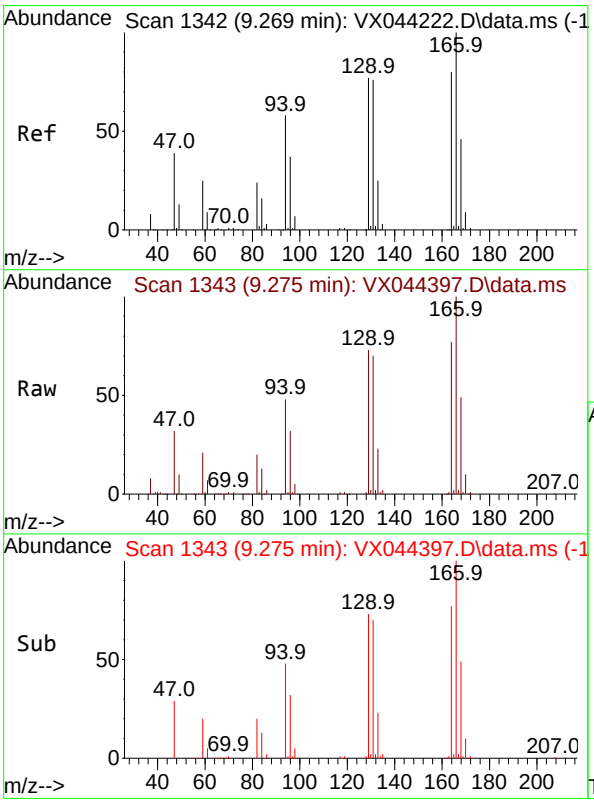

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 204282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 45.8 | 68.8 |
| 119 | 33.0 | 25.0 | 37.4 |

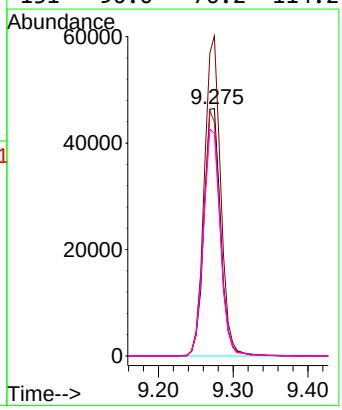


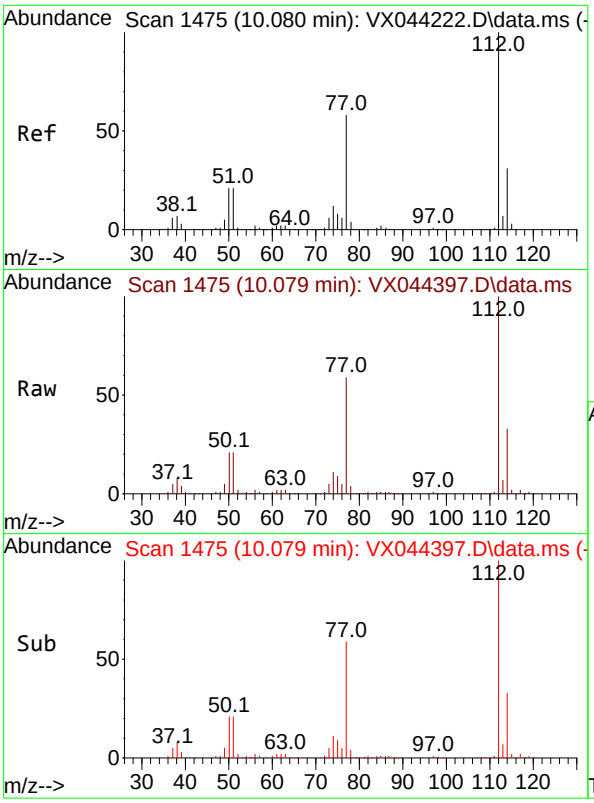




#64
Tetrachloroethene
Concen: 52.769 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:164 Resp: 71547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.4 | 100.4 | 150.6 |
| 129 | 94.6 | 77.2 | 115.8 |
| 131 | 90.0 | 76.2 | 114.2 |



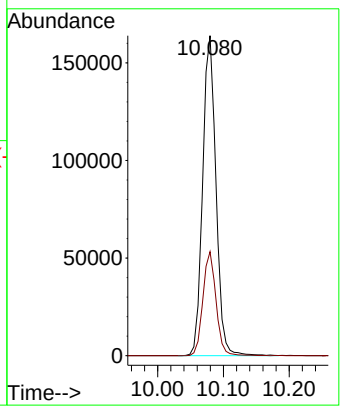


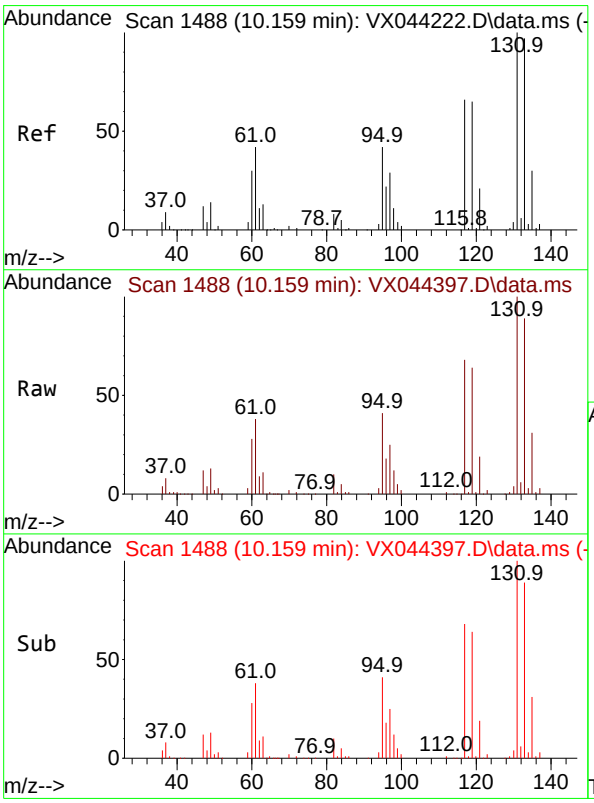

#65
Chlorobenzene
Concen: 52.745 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 230882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 25.0 | 37.6 |

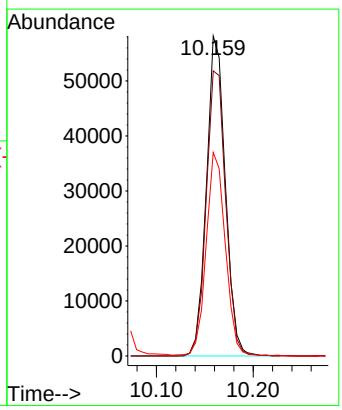


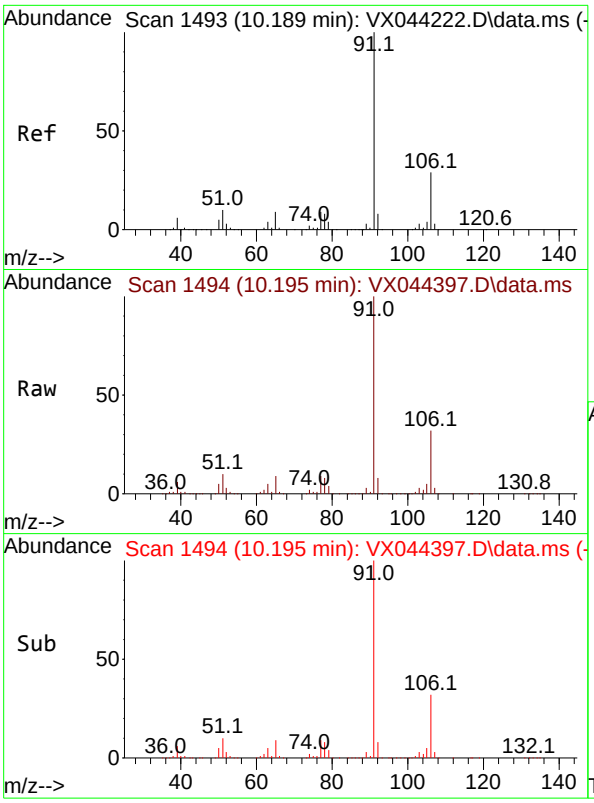




#66
1,1,1,2-Tetrachloroethane
Concen: 56.175 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:131 Resp: 79028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 92.5 | 47.3 | 141.8 |
| 119 | 64.8 | 31.6 | 95.0 |



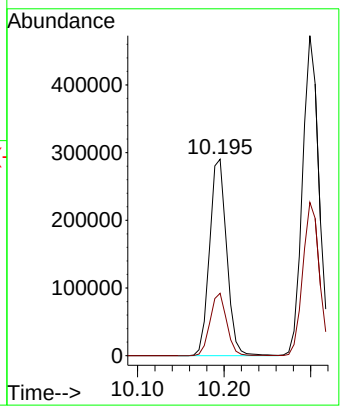


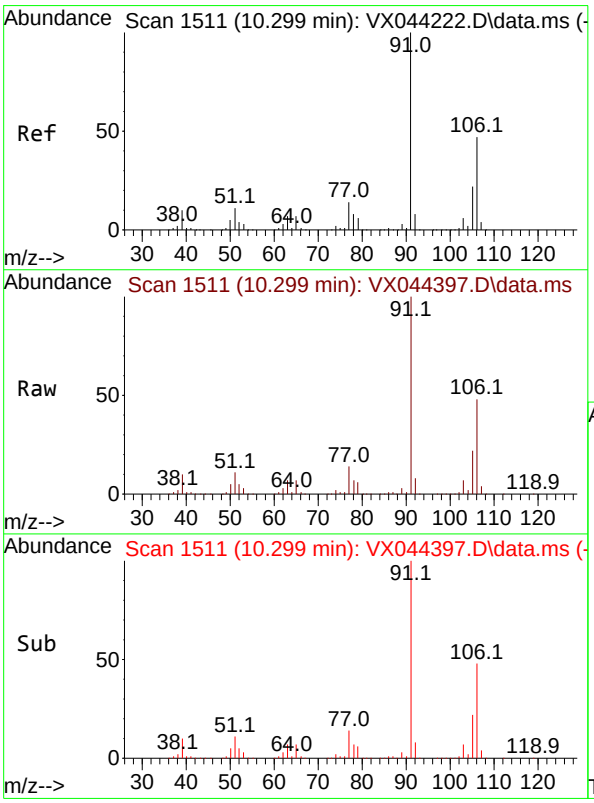

#67
Ethyl Benzene
Concen: 52.690 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 398506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 23.5 | 35.3 |

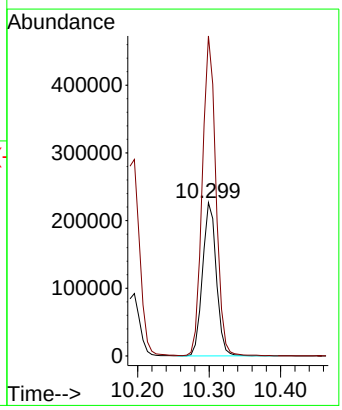


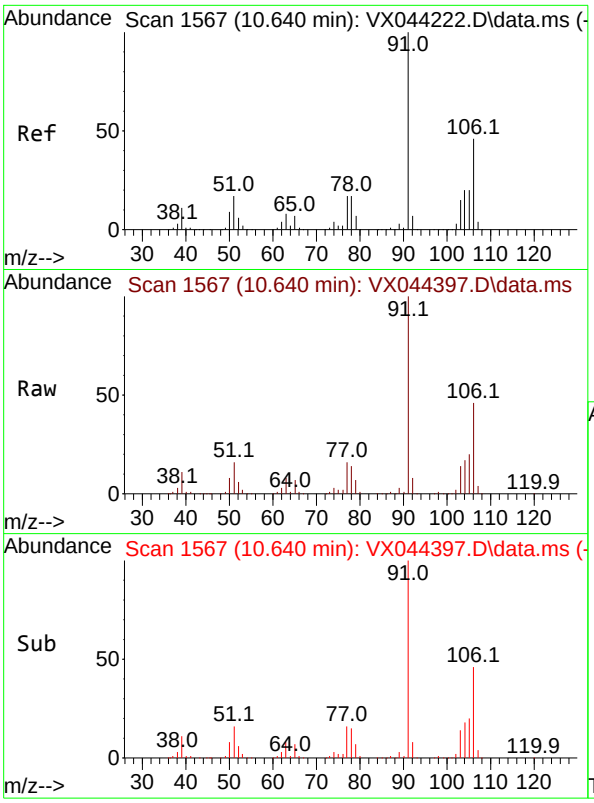




#68
m/p-Xylenes
Concen: 109.271 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:106 Resp: 303258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.1 | 170.2 | 255.2 |



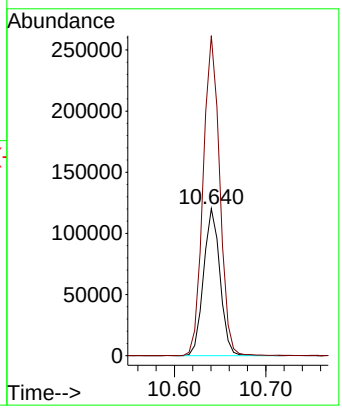


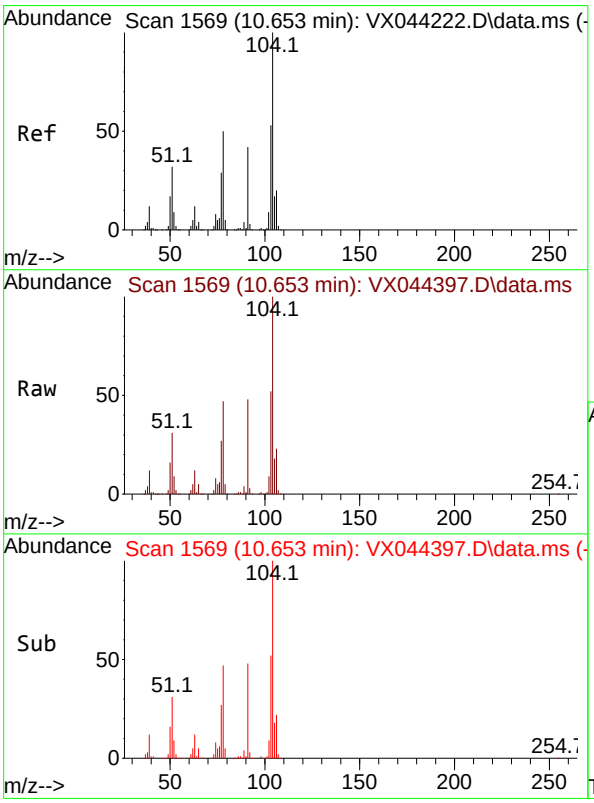

#69
o-Xylene
Concen: 53.305 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 149680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.8 | 112.3 | 337.0 |

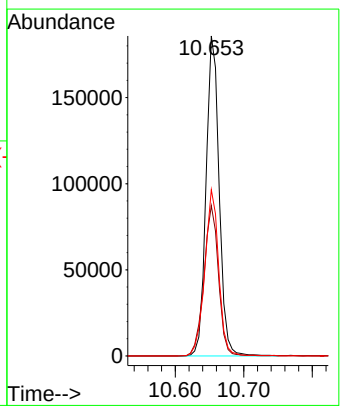


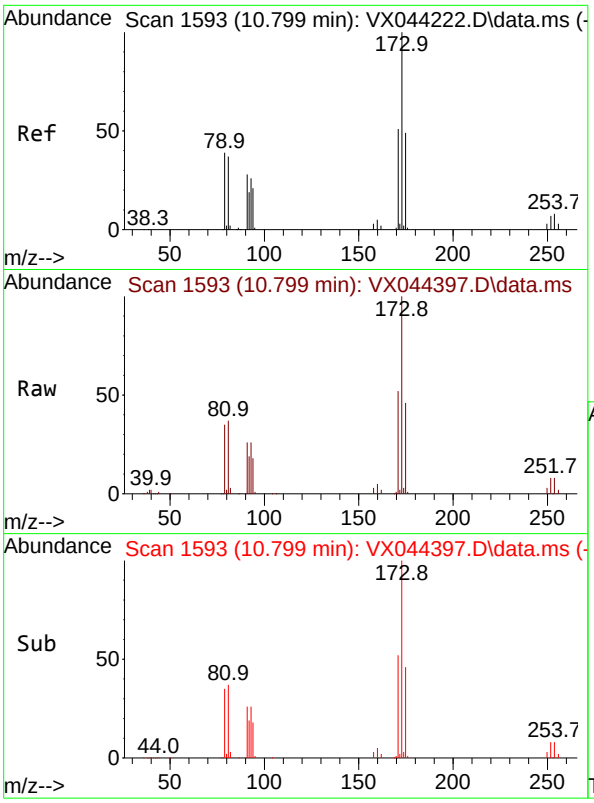




#70
Styrene
Concen: 54.971 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:104 Resp: 247455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 44.6 | 67.0 |
| 103 | 55.4 | 45.4 | 68.0 |



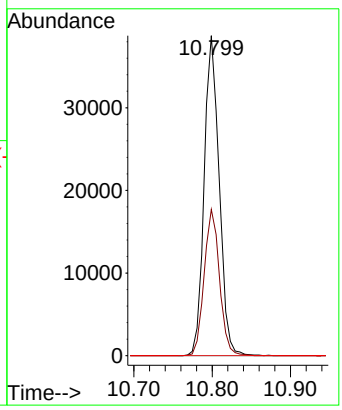


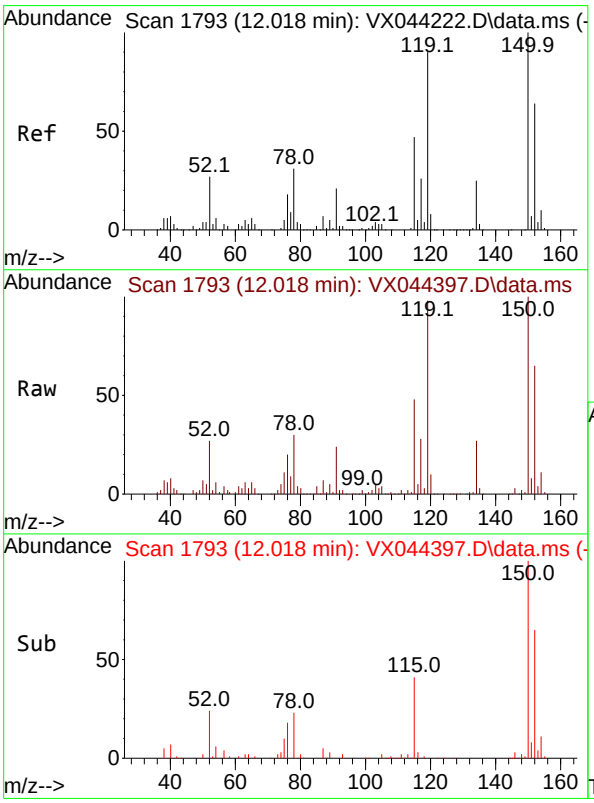

#71
Bromoform
Concen: 52.002 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 51387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

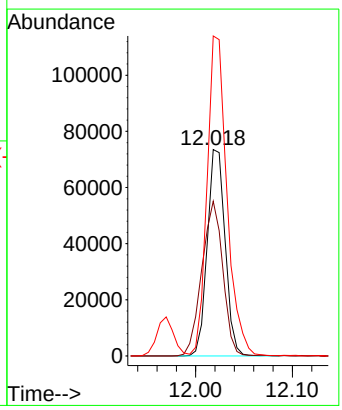


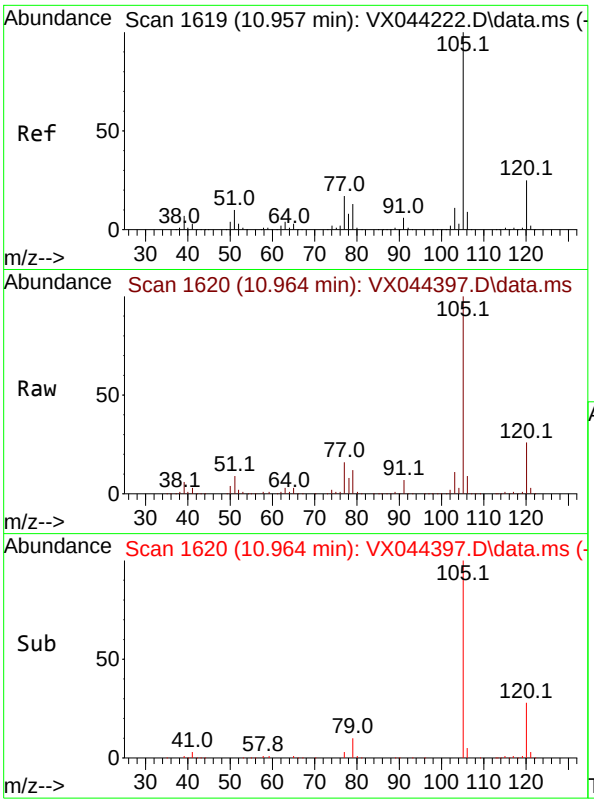




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:152 Resp: 94679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 87.8 | 44.5 | 133.3 |
| 150 | 171.8 | 0.0 | 353.8 |



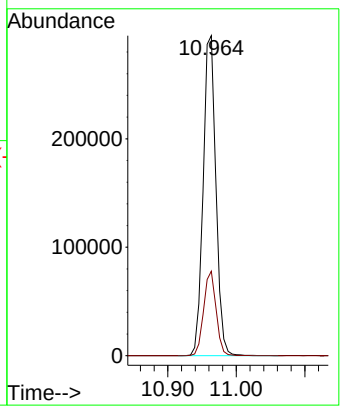


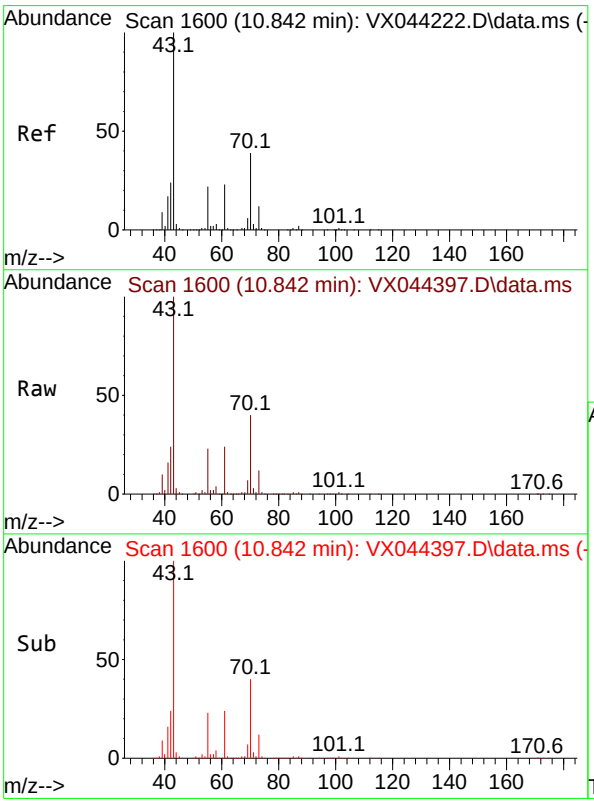

#73
Isopropylbenzene
Concen: 52.735 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 382227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.1 | 39.3 |

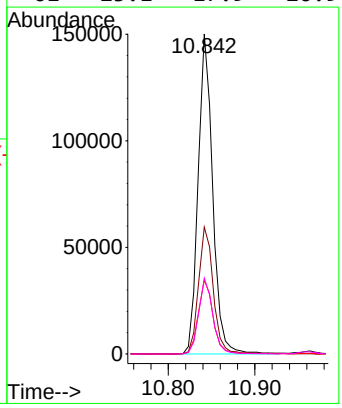


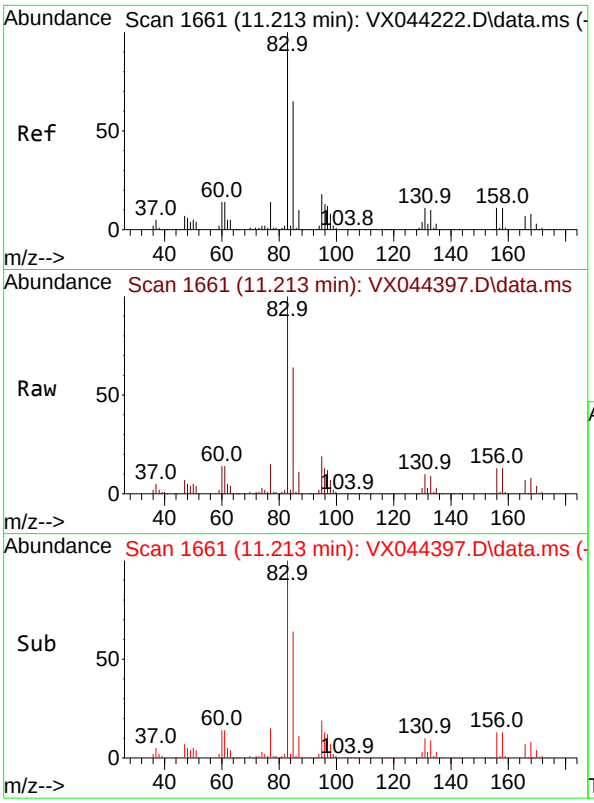




#74
N-amyl acetate
Concen: 52.327 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 43 Resp: 175282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.7 | 31.9 | 47.9 |
| 55 | 23.5 | 17.9 | 26.9 |
| 61 | 23.1 | 17.9 | 26.9 |



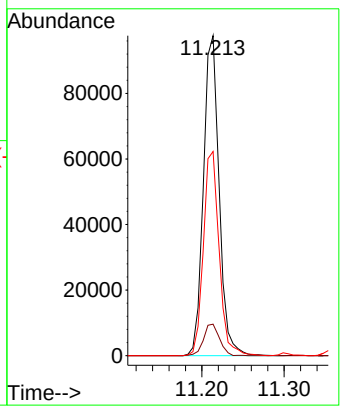


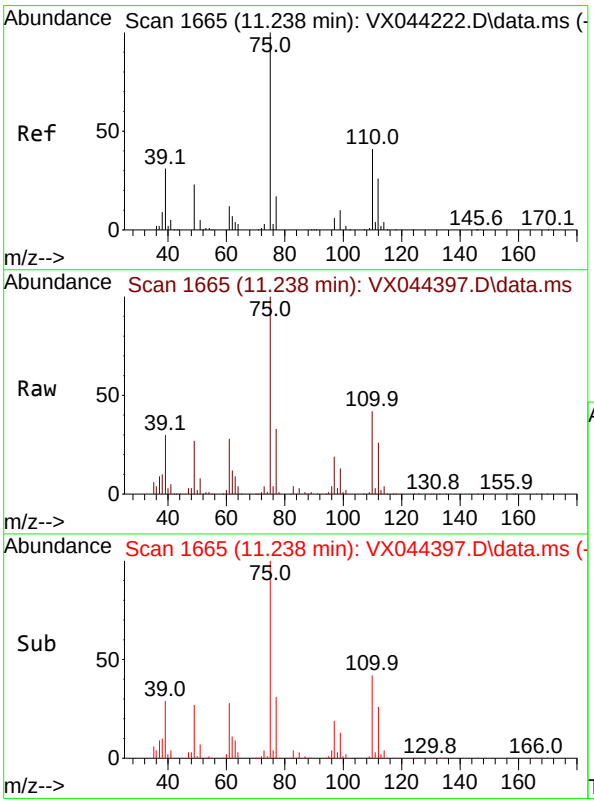

#75
1,1,2,2-Tetrachloroethane
Concen: 51.441 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 129501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.4 |
| 85 | 64.0 | 32.5 | 97.4 |

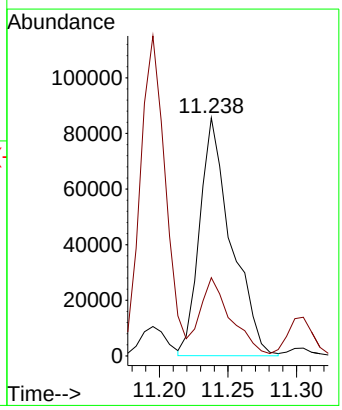


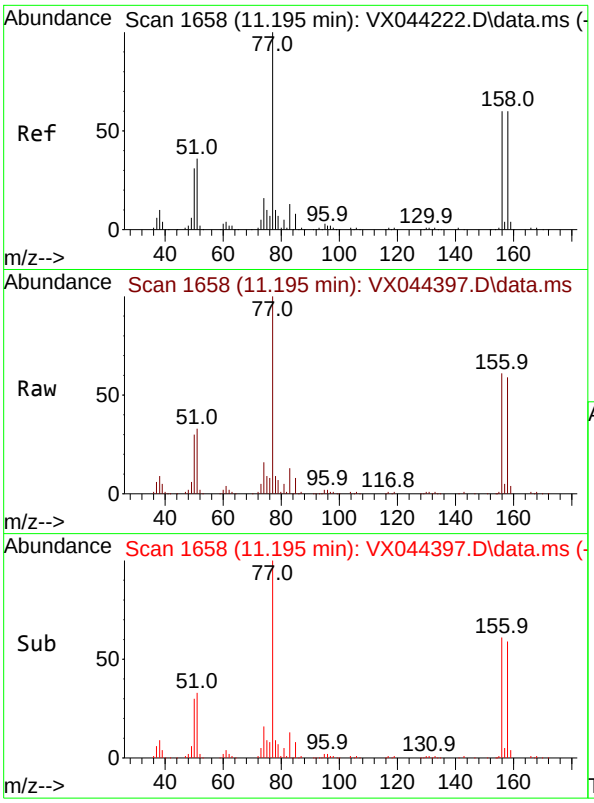




#76
1,2,3-Trichloropropane
Concen: 64.994 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 137395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 20.9 | 62.7 |



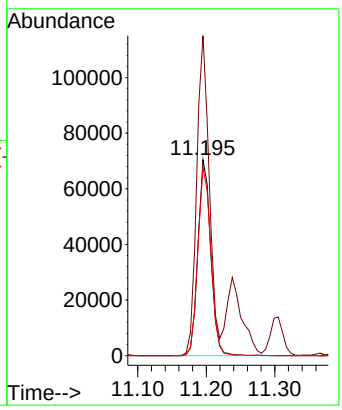


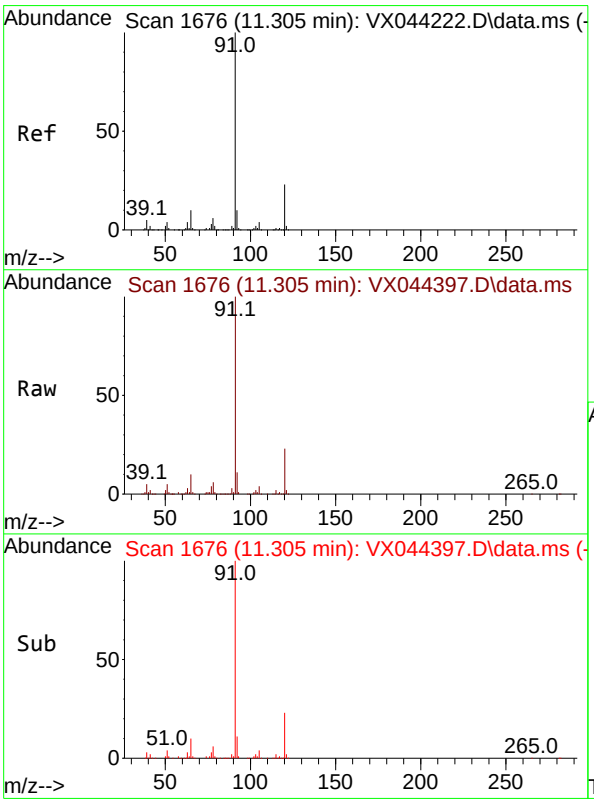

#77
Bromobenzene
Concen: 52.151 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 91662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 160.6 | 82.6 | 247.8 |
| 158 | 97.9 | 48.8 | 146.4 |

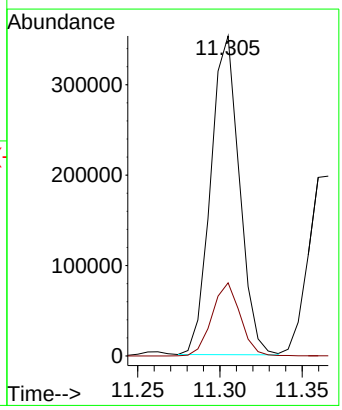


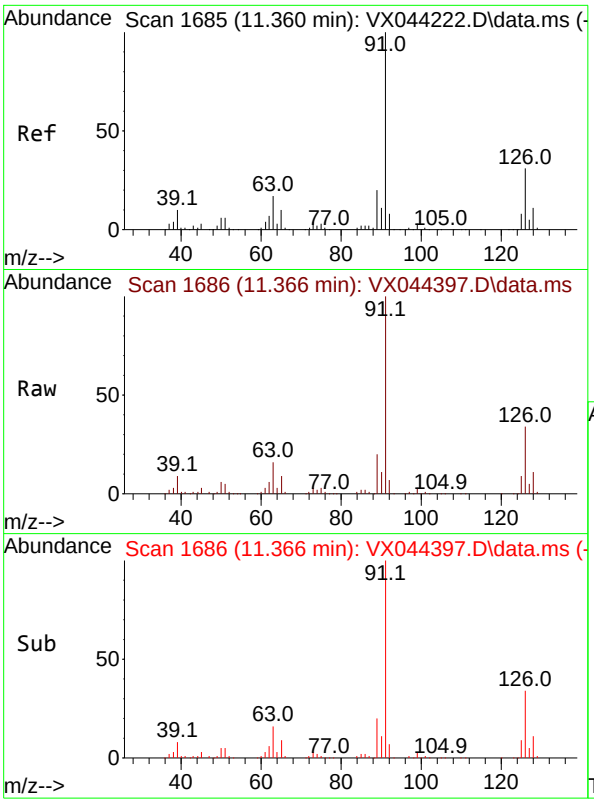




#78
n-propylbenzene
Concen: 53.471 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 91 Resp: 428354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.0 | 33.0 |



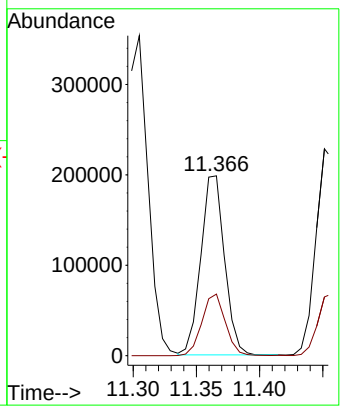


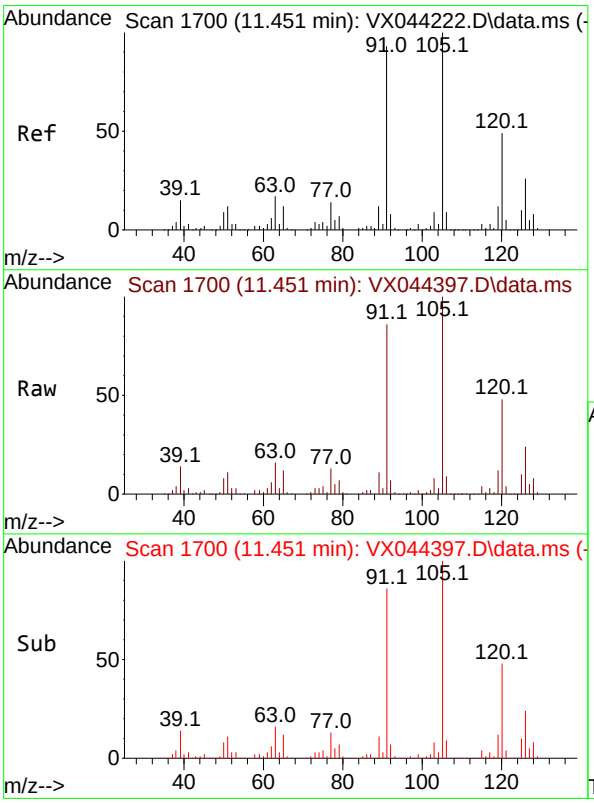

#79
2-Chlorotoluene
Concen: 50.109 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 259611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.1 |

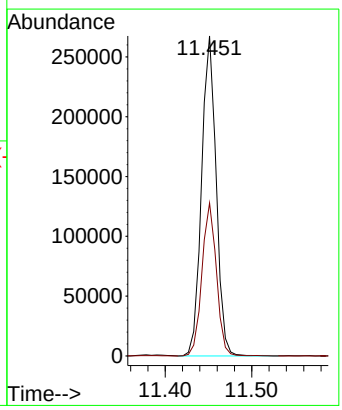


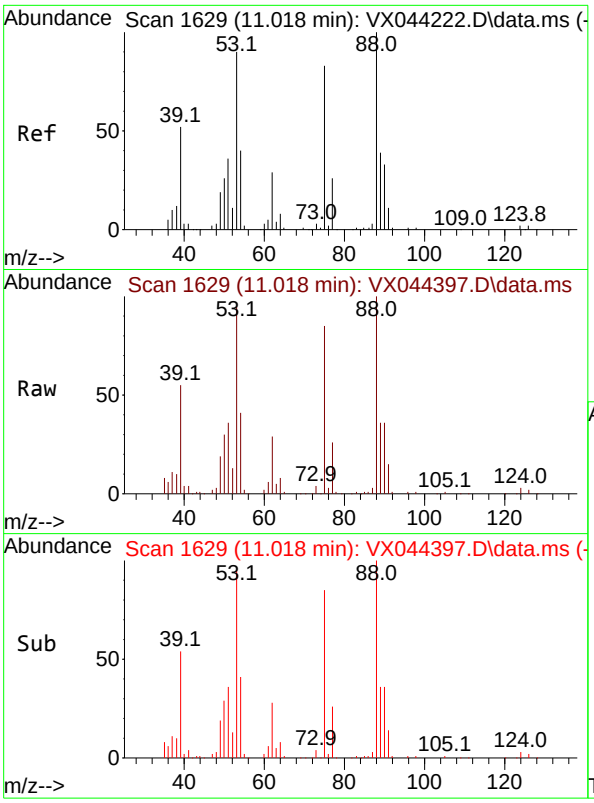




#80
1,3,5-Trimethylbenzene
Concen: 52.028 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:105 Resp: 312728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.3 | 23.8 | 71.4 |



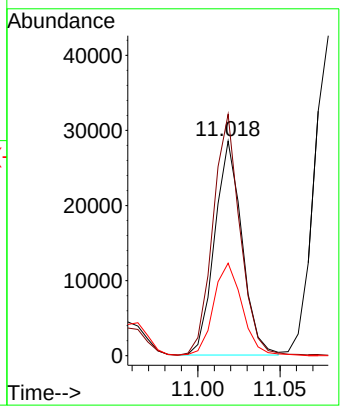


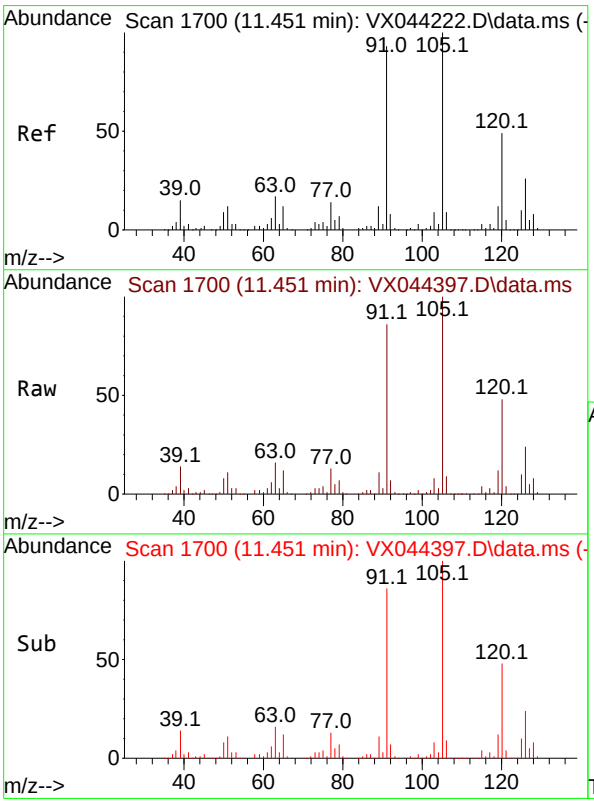

#81
trans-1,4-Dichloro-2-butene
Concen: 45.206 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 32905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 113.2 | 93.6 | 140.4 |
| 89 | 45.4 | 37.3 | 55.9 |

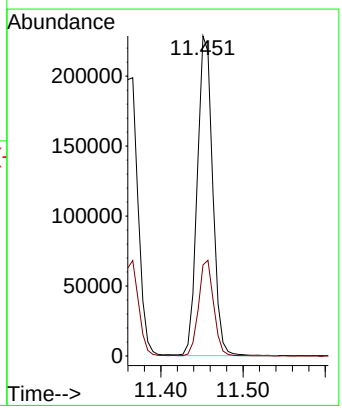


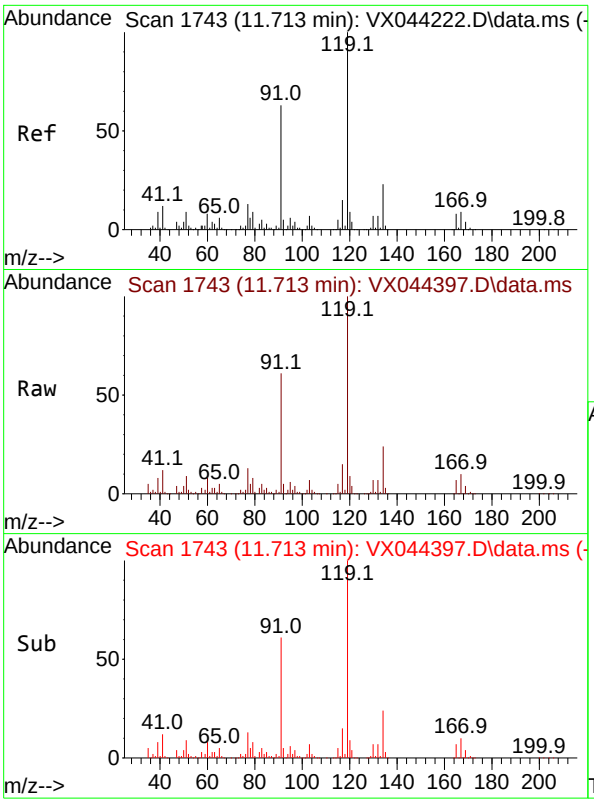




#82
4-Chlorotoluene
Concen: 51.648 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 91 Resp: 296313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.5 | 43.5 |



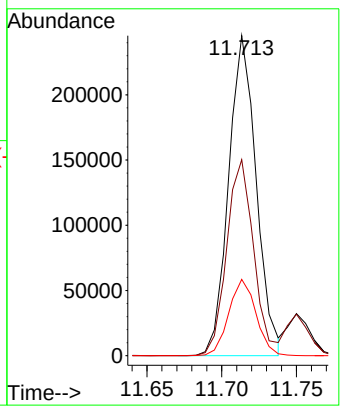


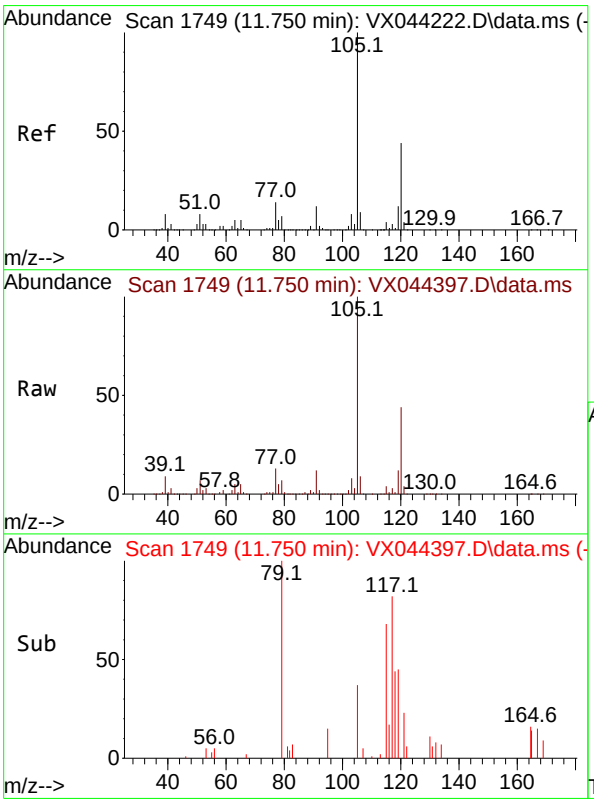

#83
tert-Butylbenzene
Concen: 53.085 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 315339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.1 | 30.9 | 92.5 |
| 134 | 23.5 | 11.5 | 34.4 |

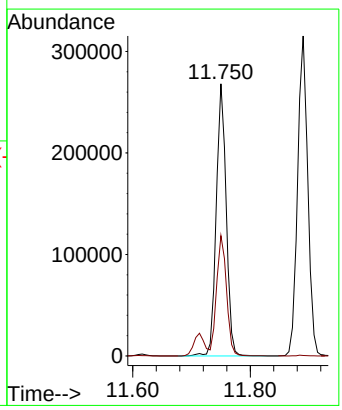


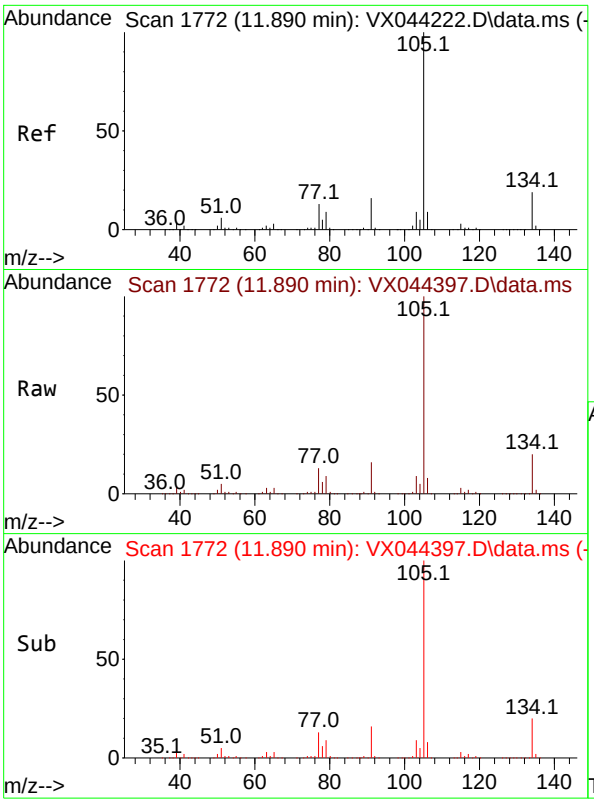




#84
1,2,4-Trimethylbenzene
Concen: 53.346 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:105 Resp: 314902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 21.7 | 65.1 |



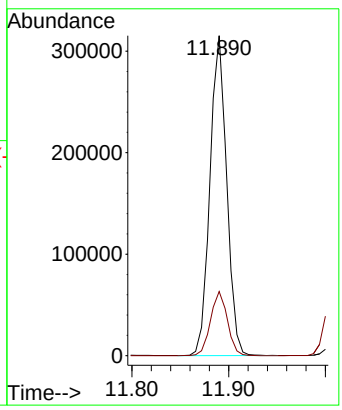


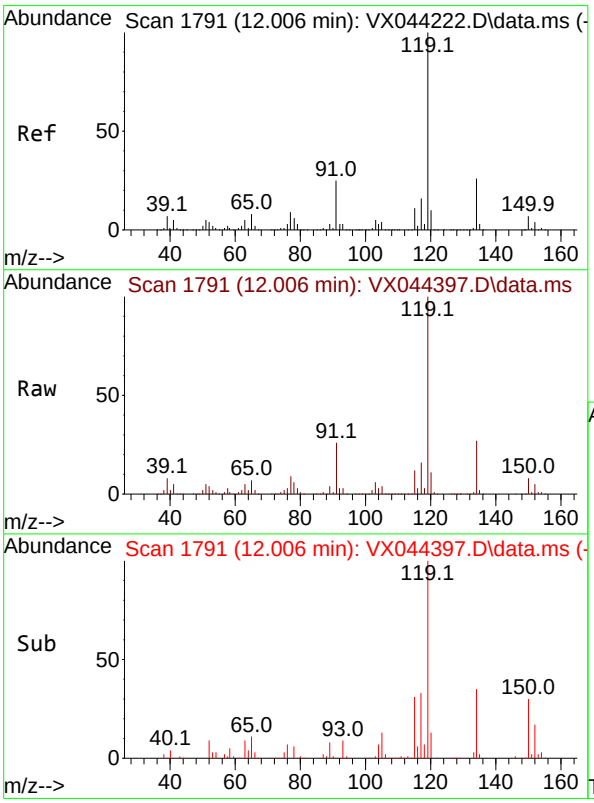

#85
sec-Butylbenzene
Concen: 52.496 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 378572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 9.8 | 29.4 |

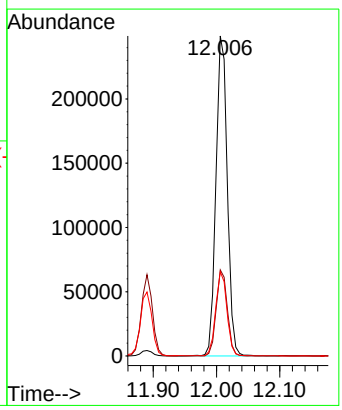


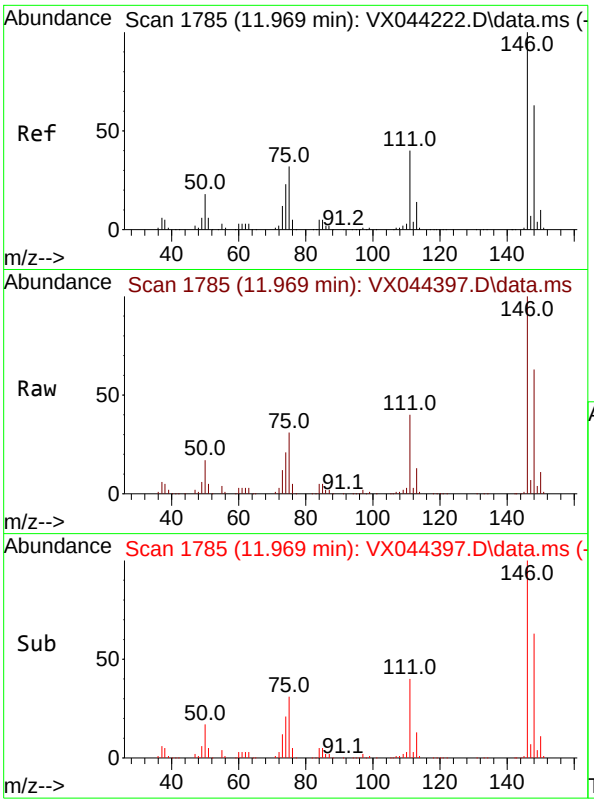




#86
p-Isopropyltoluene
Concen: 51.481 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:119 Resp: 308993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.5 | 12.8 | 38.4 |
| 91 | 26.0 | 13.0 | 39.0 |



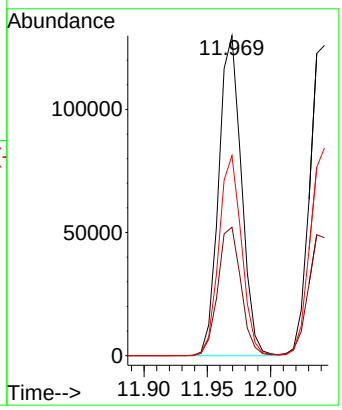


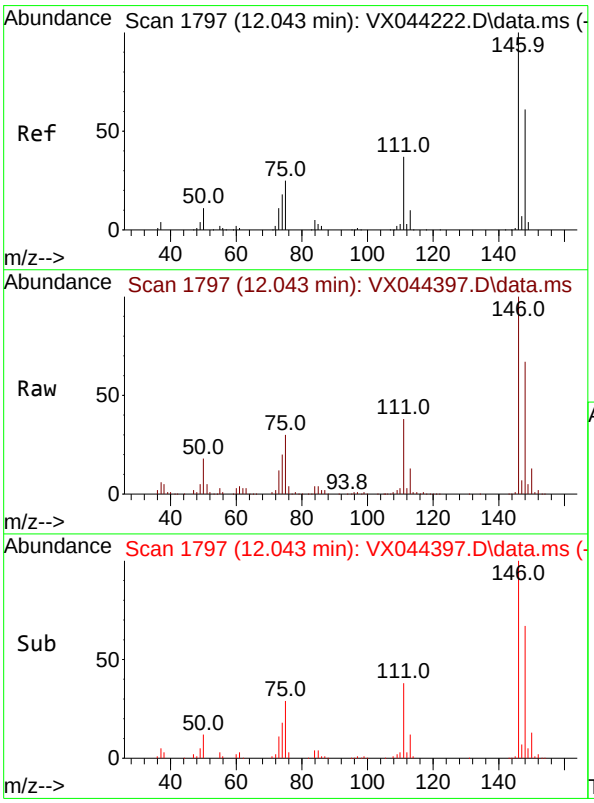

#87
1,3-Dichlorobenzene
Concen: 52.762 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 161986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 21.4 | 64.2 |
| 148 | 62.5 | 31.7 | 95.1 |

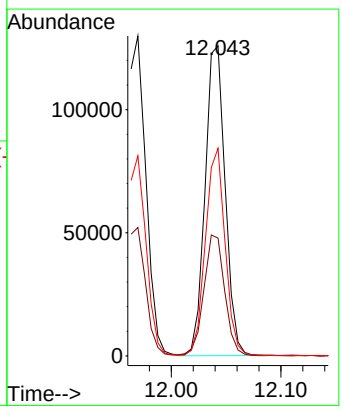


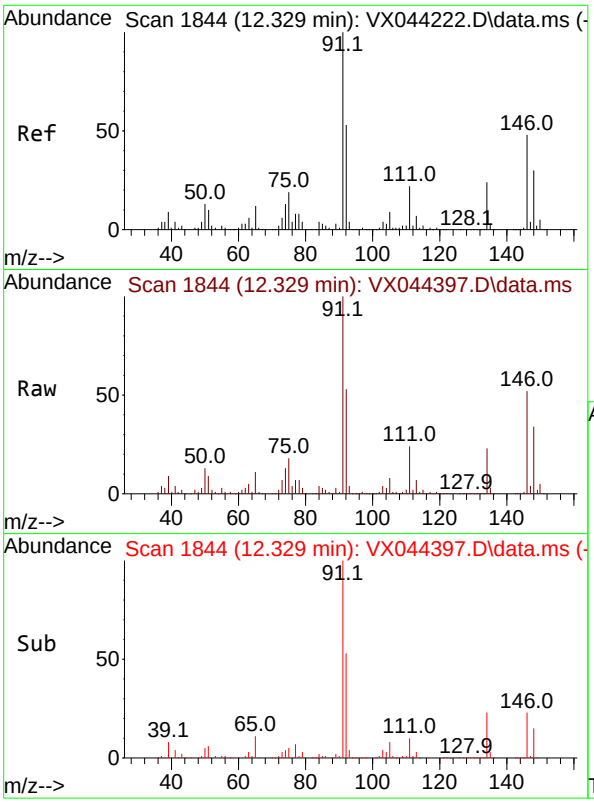




#88
1,4-Dichlorobenzene
Concen: 50.790 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:146 Resp: 160295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 21.0 | 63.0 |
| 148 | 65.8 | 32.3 | 96.8 |



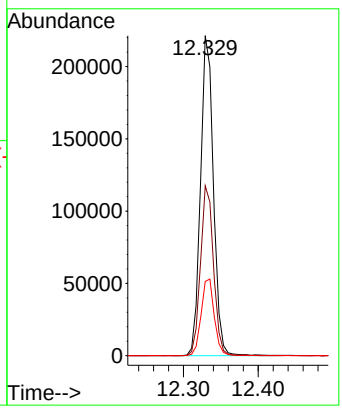


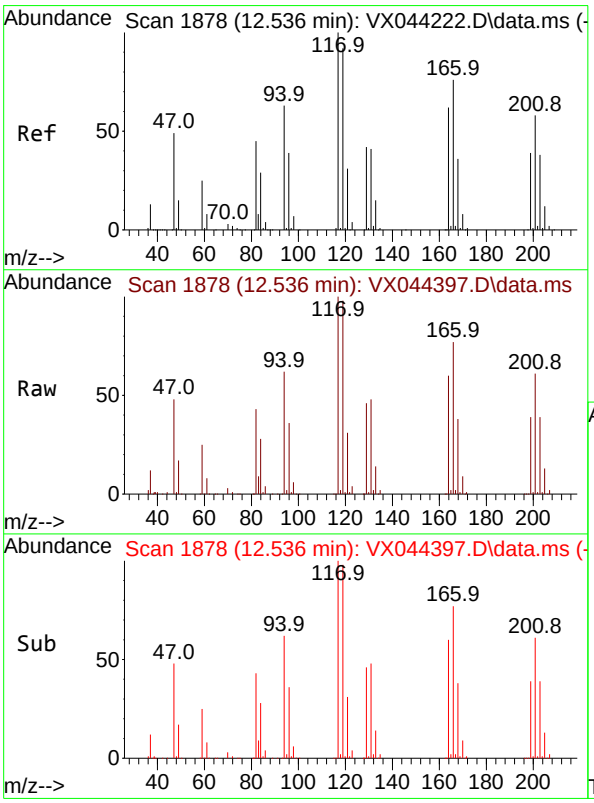

#89
n-Butylbenzene
Concen: 52.608 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 265516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 26.6 | 79.7 |
| 134 | 24.5 | 12.6 | 37.8 |

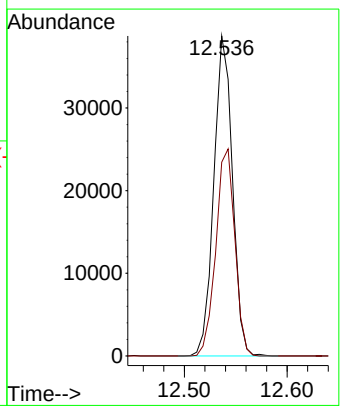


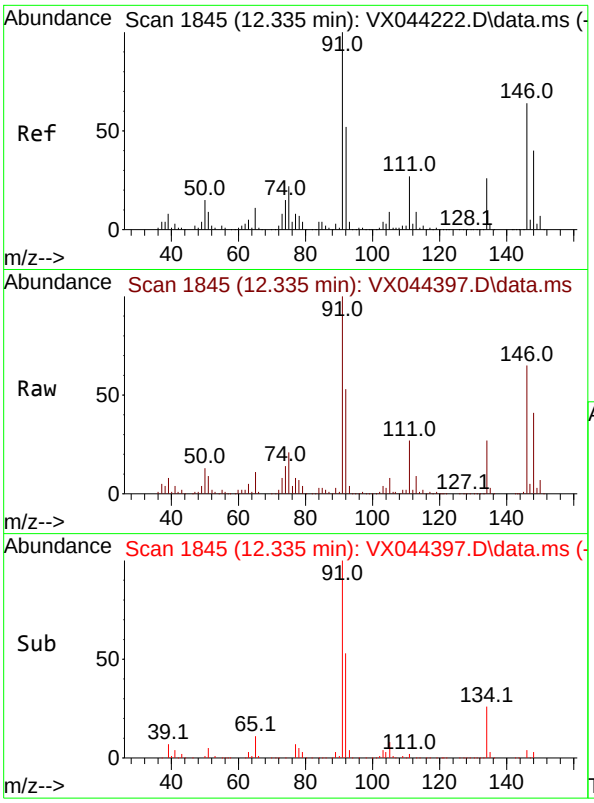




#90
Hexachloroethane
Concen: 55.440 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:117 Resp: 48574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.1 | 31.4 | 94.2 |



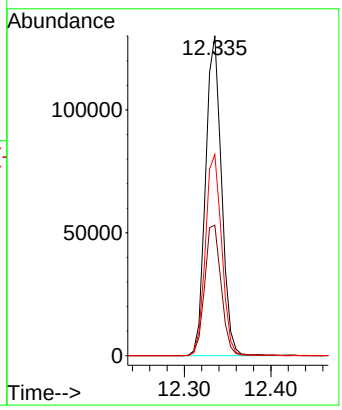


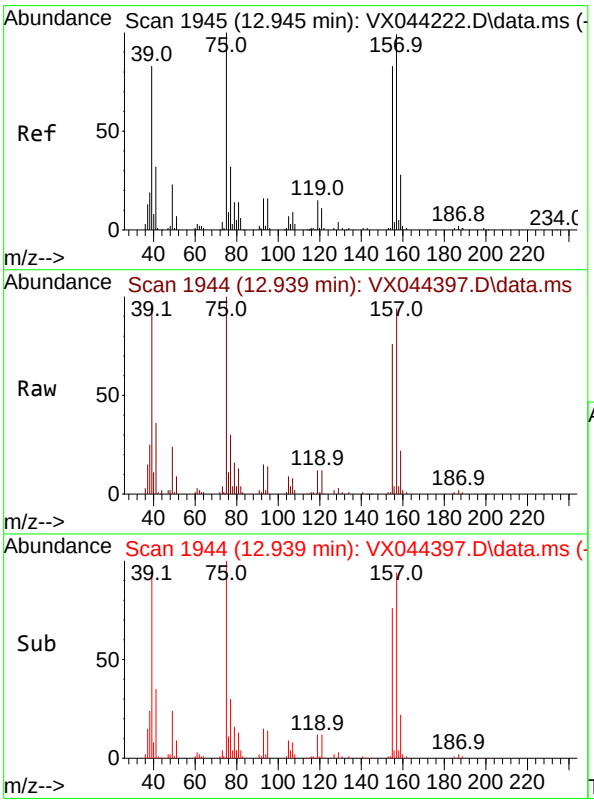

#91
1,2-Dichlorobenzene
Concen: 52.197 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 166397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 21.4 | 64.3 |
| 148 | 64.4 | 31.6 | 95.0 |

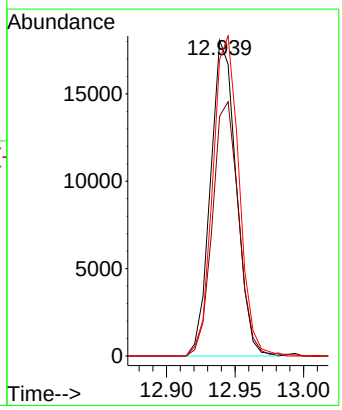


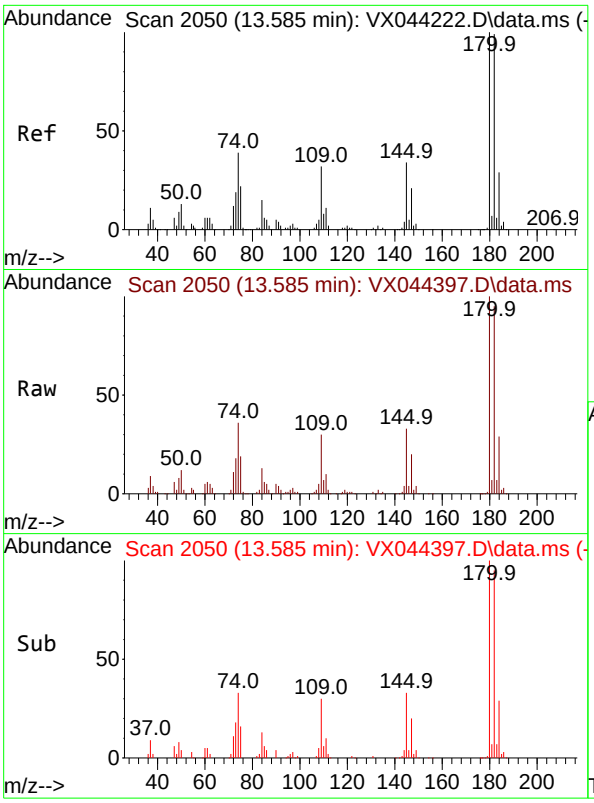




#92
1,2-Dibromo-3-Chloropropane
Concen: 48.201 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion: 75 Resp: 23556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.9 | 38.1 | 114.3 |
| 157 | 103.6 | 47.2 | 141.6 |



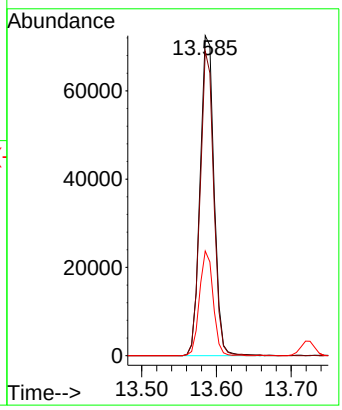


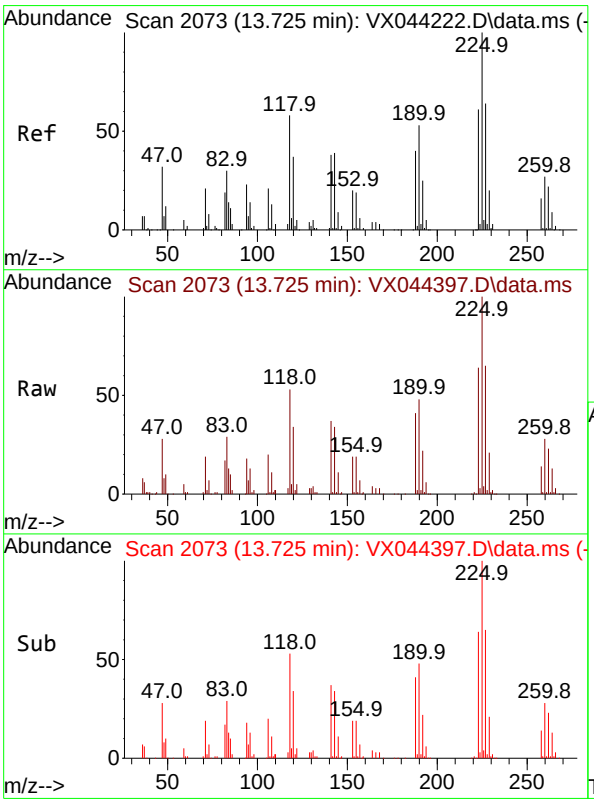

#93
1,2,4-Trichlorobenzene
Concen: 53.639 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 93745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 48.0 | 144.2 |
| 145 | 32.1 | 16.6 | 49.7 |

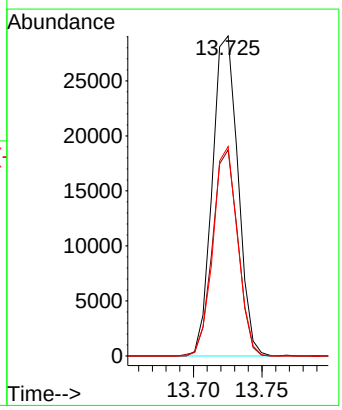


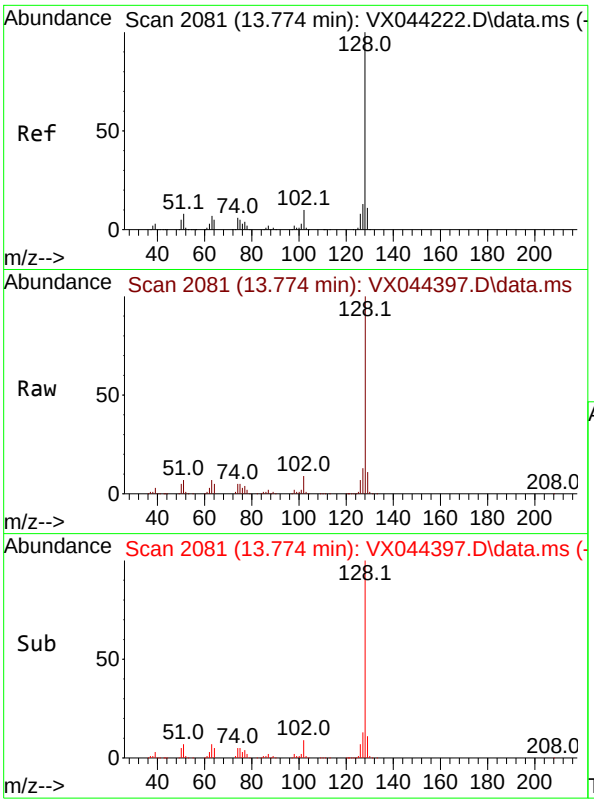




#94
Hexachlorobutadiene
Concen: 53.766 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:225 Resp: 37797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 30.8 | 92.4 |
| 227 | 63.1 | 32.1 | 96.3 |



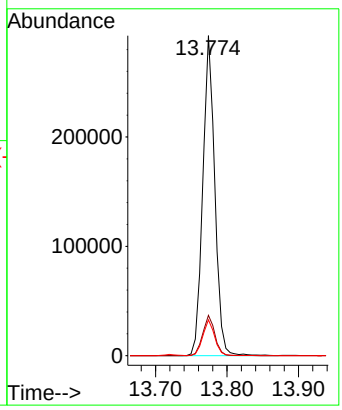


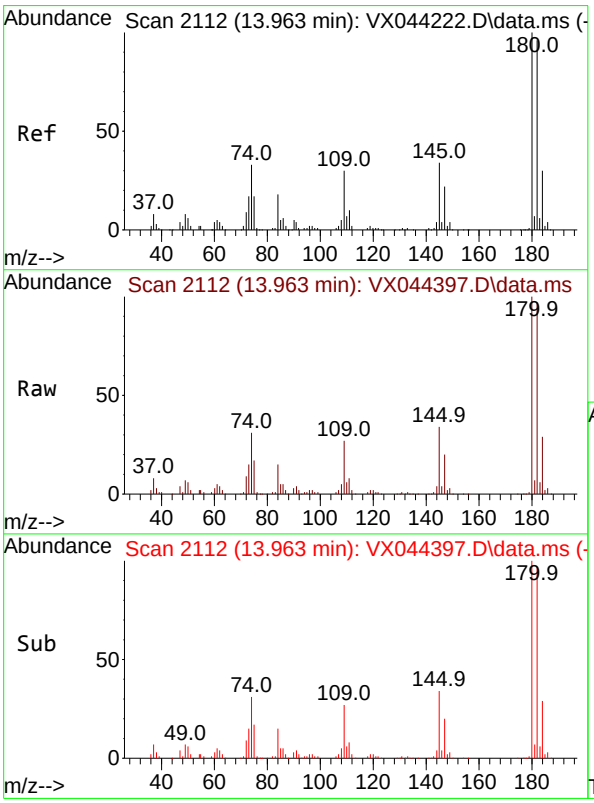

#95
Naphthalene
Concen: 50.021 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 341241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.5 | 15.7 |
| 129 | 11.1 | 9.0 | 13.4 |

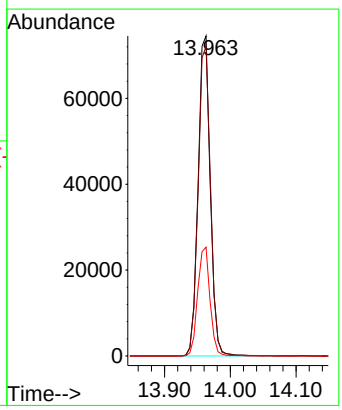



#96
1,2,3-Trichlorobenzene
Concen: 51.669 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044397.D
Acq: 18 Dec 2024 21:48

Tgt Ion:180 Resp: 95779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.1 | 48.0 | 144.0 |
| 145 | 34.3 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044399.D
Acq On : 18 Dec 2024 23:22
Operator : JC/MD
Sample : VX1218WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Quant Time: Dec 19 00:56:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 128991 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 233001 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 200137 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 86763 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 114115 | 50.457 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.920% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 85034 | 52.694 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.380% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 277165 | 50.909 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.820% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92307 | 48.522 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.040% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 37942 | 19.023 | ug/l | 93 |
| 3) Chloromethane | 1.300 | 50 | 40751 | 21.366 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 40892 | 20.579 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 28914 | 20.511 | ug/l | 95 |
| 6) Chloroethane | 1.666 | 64 | 30101 | 24.328 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 61744 | 15.872 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 26105 | 19.660 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 28167 | 17.894 | ug/l | 97 |
| 10) Methyl Iodide | 2.447 | 142 | 43853 | 21.138 | ug/l | 98 |
| 11) Tert butyl alcohol | 2.989 | 59 | 33835 | 106.151 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 29065 | 20.103 | ug/l | 97 |
| 13) Acrolein | 2.239 | 56 | 48772 | 105.705 | ug/l | 98 |
| 14) Allyl chloride | 2.654 | 41 | 48506 | 20.142 | ug/l | 97 |
| 15) Acrylonitrile | 3.068 | 53 | 96056 | 108.791 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 86799 | 94.139 | ug/l | 96 |
| 17) Carbon Disulfide | 2.501 | 76 | 51728 | 18.822 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 50558 | 21.267 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 114860 | 20.358 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 36674 | 21.177 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 30353 | 19.753 | ug/l | 90 |
| 22) Diisopropyl ether | 3.763 | 45 | 112563 | 20.757 | ug/l | 89 |
| 23) Vinyl Acetate | 3.721 | 43 | 475270 | 107.800 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 64774 | 21.428 | ug/l | 100 |
| 25) 2-Butanone | 4.568 | 43 | 134799 | 102.837 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 38575 | 15.708 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 39781 | 20.385 | ug/l | 93 |
| 28) Bromochloromethane | 4.897 | 49 | 30856 | 20.816 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 87910 | 104.485 | ug/l | 98 |
| 30) Chloroform | 5.092 | 83 | 68906 | 20.289 | ug/l | 94 |
| 31) Cyclohexane | 5.464 | 56 | 43349 | 17.759 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 55108 | 19.547 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 38087 | 18.259 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 51828 | 20.100 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 41400 | 18.435 | ug/l | 93 |
| 39) Methylcyclohexane | 7.379 | 83 | 44052 | 17.665 | ug/l | 97 |
| 40) Benzene | 6.037 | 78 | 131536 | 20.769 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044399.D
Acq On : 18 Dec 2024 23:22
Operator : JC/MD
Sample : VX1218WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Quant Time: Dec 19 00:56:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 29615 | 21.629 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 53845 | 20.639 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.348 | 43 | 84024 | 20.849 | ug/l | | 97 |
| 44) Trichloroethene | 7.123 | 130 | 31494 | 19.941 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33512 | 20.711 | ug/l | | 96 |
| 46) Dibromomethane | 7.580 | 93 | 26590 | 21.182 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.824 | 83 | 44915 | 20.717 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 39226 | 20.050 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 10895 | 335.893 | ug/l | # | 68 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 276459 | 106.686 | ug/l | | 100 |
| 52) Toluene | 8.720 | 92 | 79570 | 20.006 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 41702 | 19.130 | ug/l | | 93 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 45604 | 19.319 | ug/l | # | 88 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 34197 | 21.643 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 50855 | 20.388 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 57729 | 20.991 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 124927 | 99.300 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 197809 | 105.460 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 30374 | 19.439 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 34910 | 21.706 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.269 | 164 | 25159 | 18.940 | ug/l | | 99 |
| 65) Chlorobenzene | 10.079 | 112 | 81973 | 19.115 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 28201 | 20.461 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 139144 | 18.778 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 103433 | 38.041 | ug/l | | 97 |
| 69) o-Xylene | 10.640 | 106 | 52635 | 19.133 | ug/l | | 97 |
| 70) Styrene | 10.652 | 104 | 87058 | 19.740 | ug/l | | 95 |
| 71) Bromoform | 10.799 | 173 | 17299 | 19.959 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 132502 | 19.949 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 64183 | 20.909 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 50710 | 21.981 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 51024 | 26.339 | ug/l | | 90 |
| 77) Bromobenzene | 11.195 | 156 | 32621 | 20.253 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 144182 | 19.640 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 93621 | 19.719 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 107680 | 19.549 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 10659 | 19.586 | ug/l | | 90 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 102797 | 19.553 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 105765 | 19.429 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 108536 | 20.064 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 126820 | 19.191 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 107246 | 19.498 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 55710 | 19.801 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 56626 | 19.579 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 85786 | 18.548 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 14339 | 17.859 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 58637 | 20.072 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 8448 | 18.864 | ug/l | | 91 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 29891 | 18.663 | ug/l | | 96 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 12669 | 19.666 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 122767 | 19.638 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 33666 | 19.819 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044399.D
Acq On : 18 Dec 2024 23:22
Operator : JC/MD
Sample : VX1218WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Quant Time: Dec 19 00:56:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

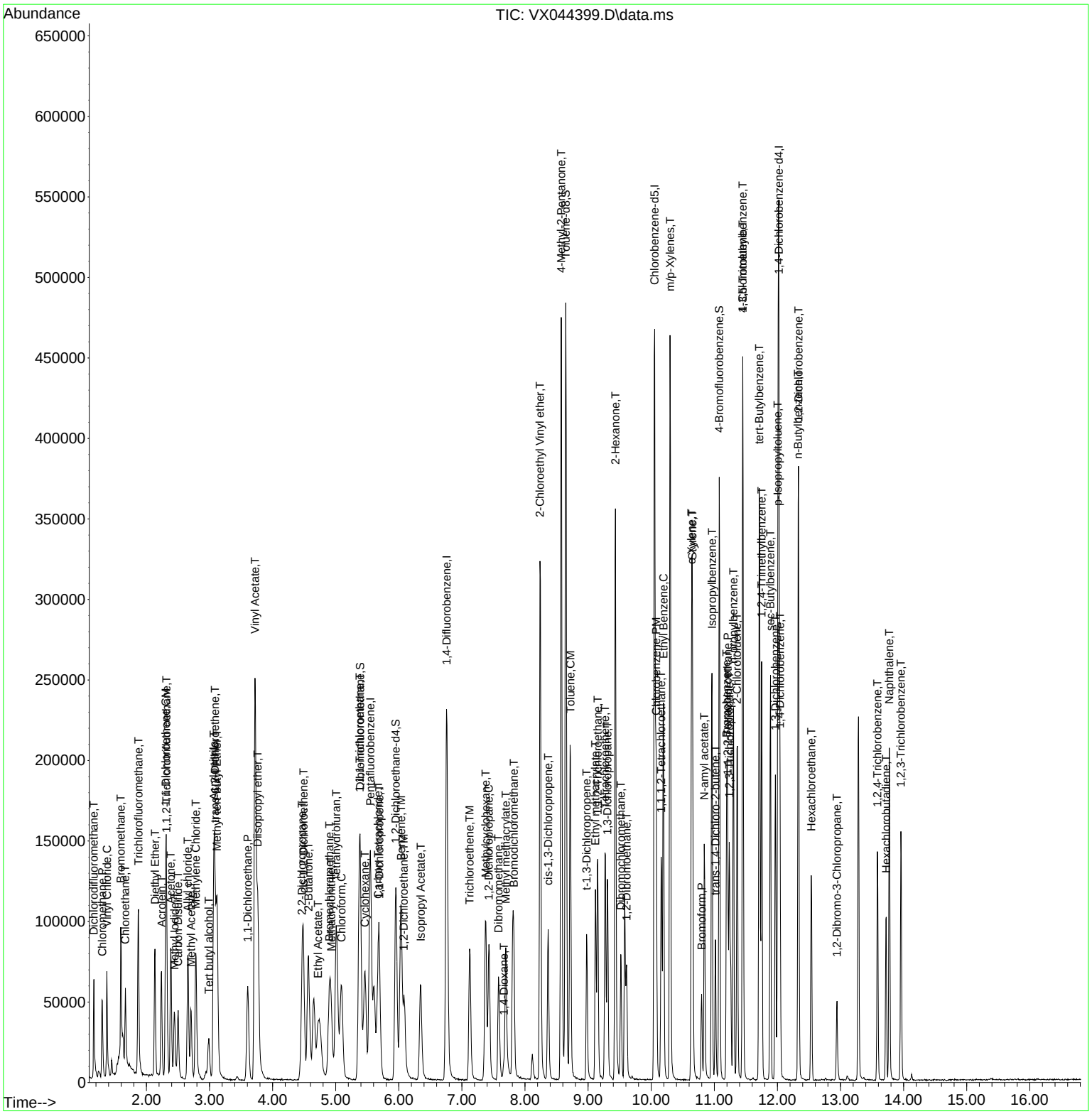
(#) = qualifier out of range (m) = manual integration (+) = signals summed

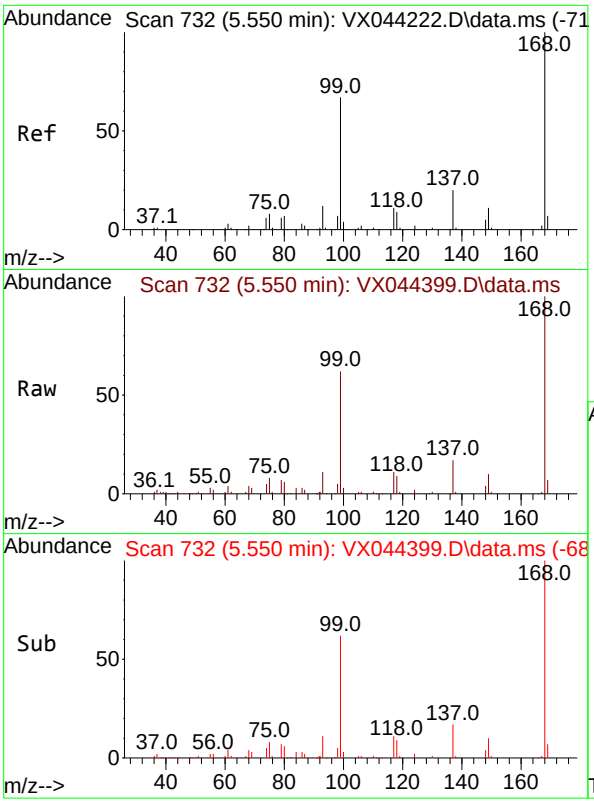
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044399.D
Acq On : 18 Dec 2024 23:22
Operator : JC/MD
Sample : VX1218WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Quant Time: Dec 19 00:56:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



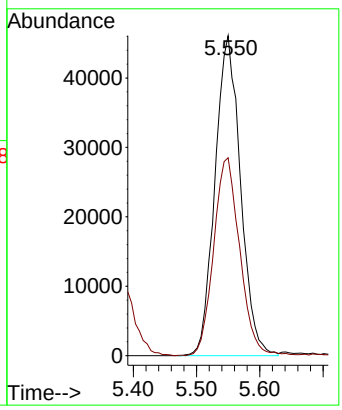


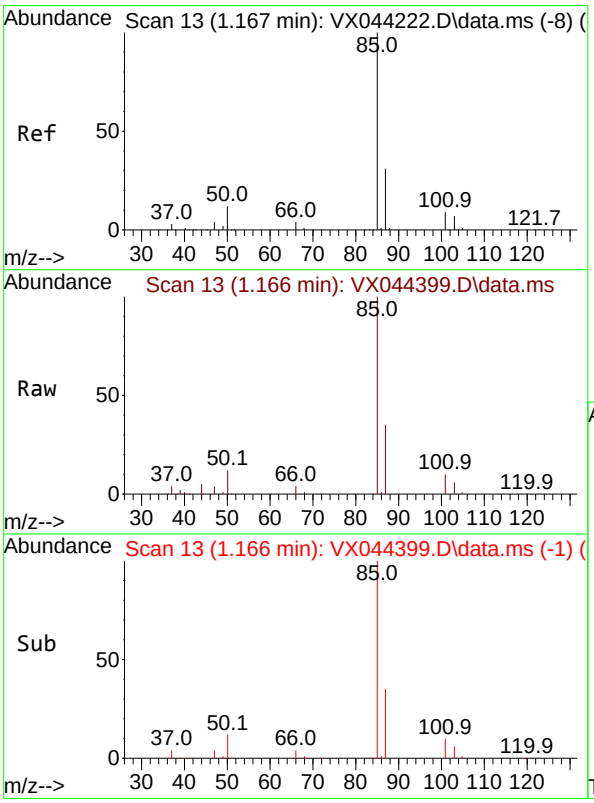

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:168 Resp: 128991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.7 | 53.4 | 80.0 |

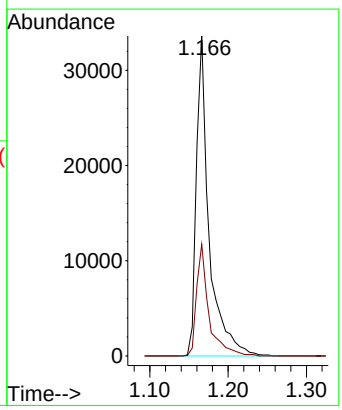


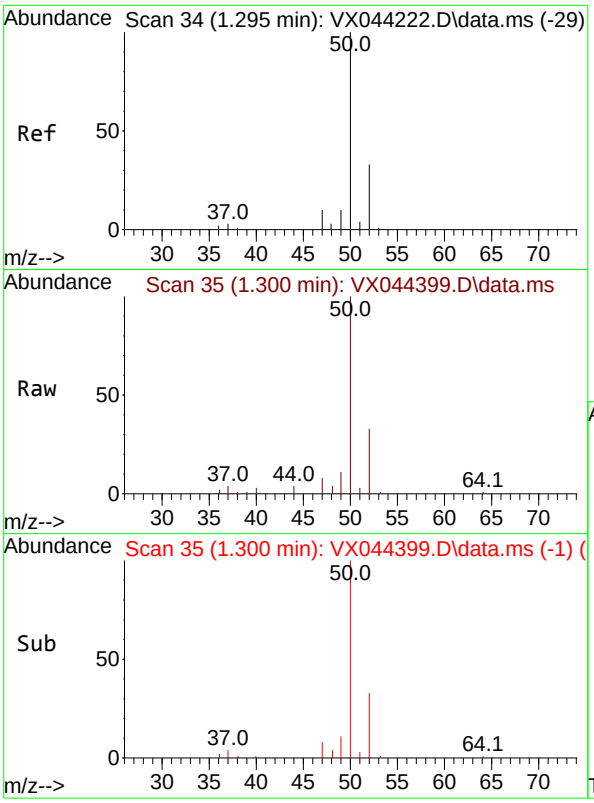




#2
Dichlorodifluoromethane
Concen: 19.023 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 85 Resp: 37942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 35.0 | 15.4 | 46.4 |



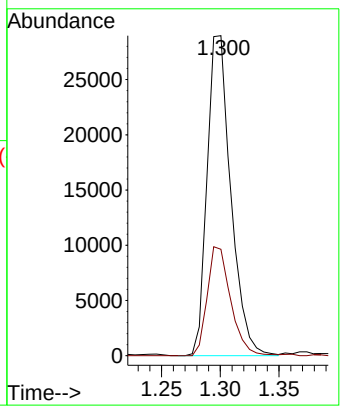


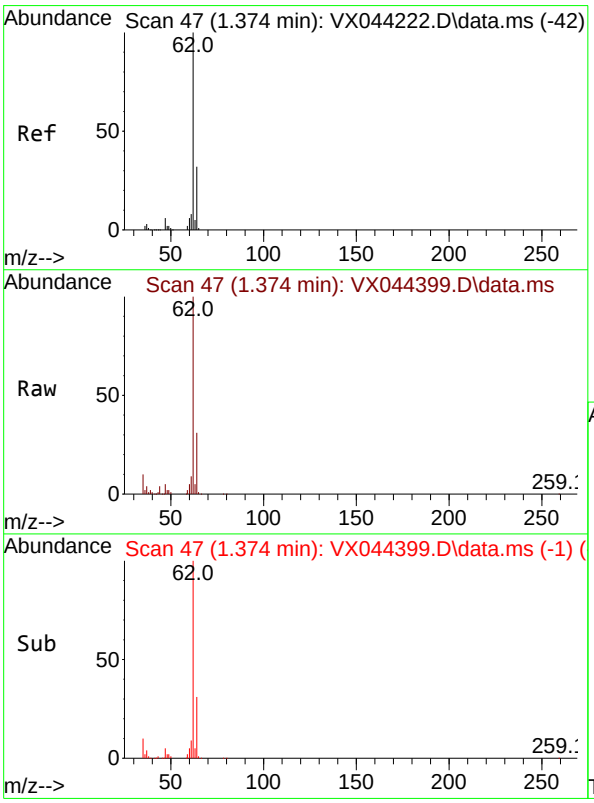

#3
Chloromethane
Concen: 21.366 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 50 Resp: 40751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 26.5 | 39.7 |

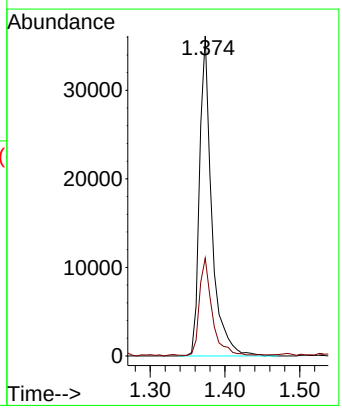


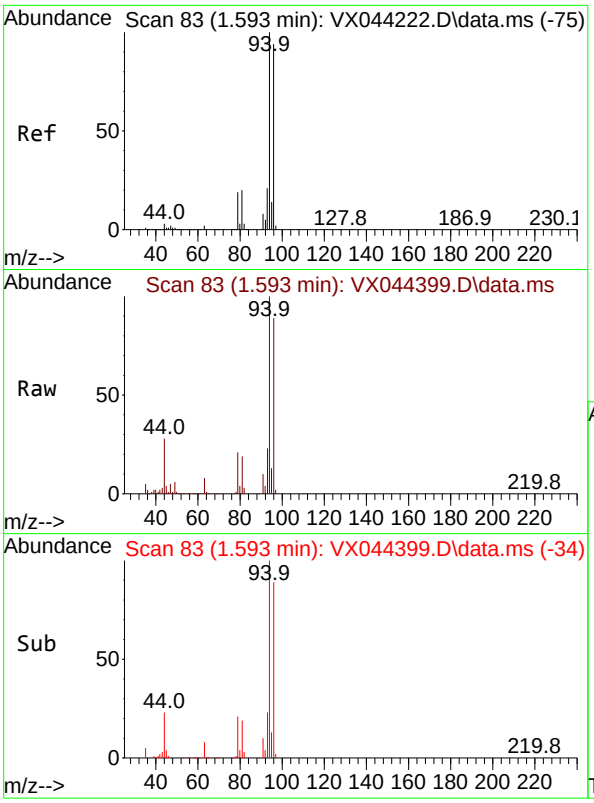




#4
Vinyl Chloride
Concen: 20.579 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 62 Resp: 40892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.3 | 25.7 | 38.5 |



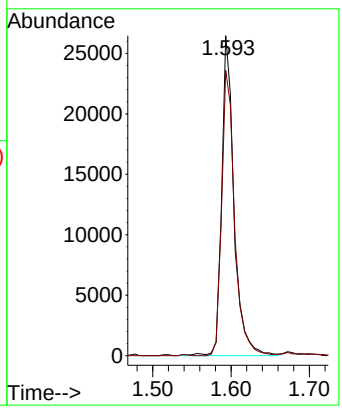


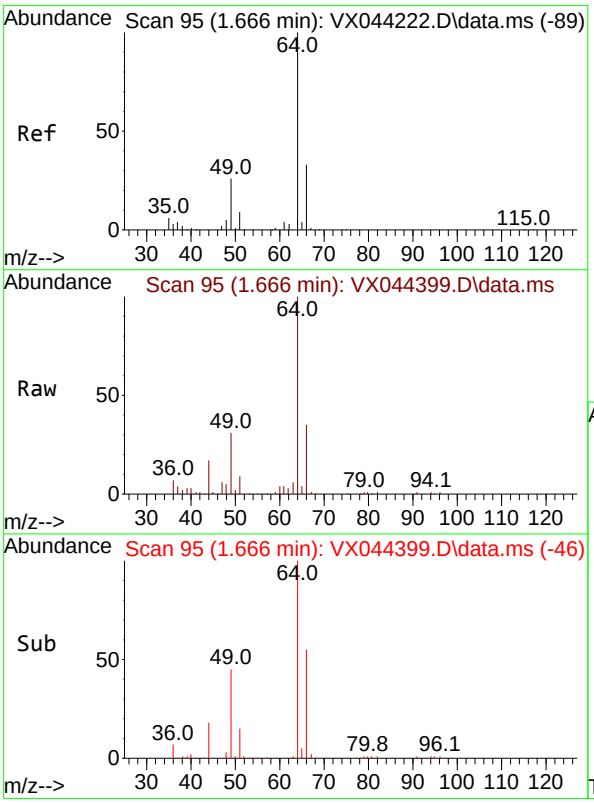

#5
Bromomethane
Concen: 20.511 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 94 Resp: 28914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 89.2 | 74.9 | 112.3 |

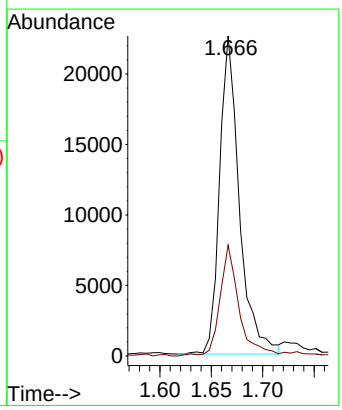


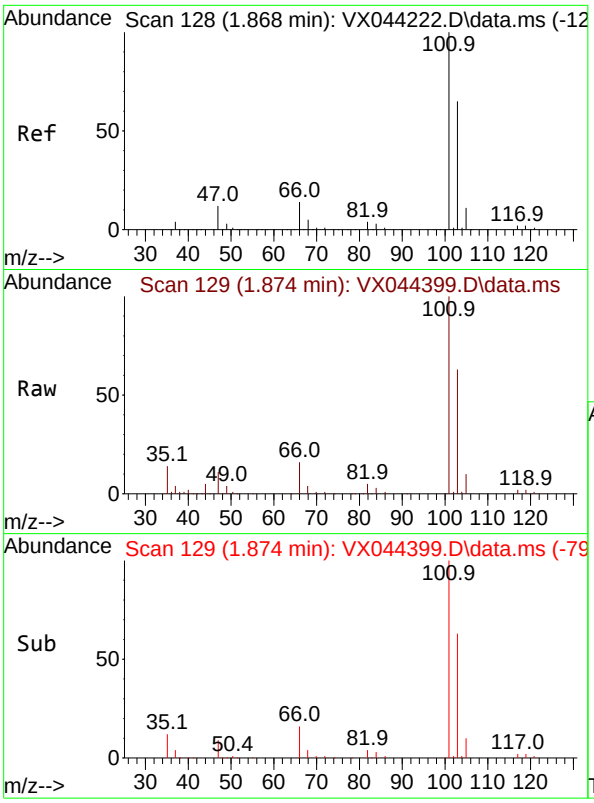




#6
Chloroethane
Concen: 24.328 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 64 Resp: 30101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.8 | 26.6 | 39.8 |



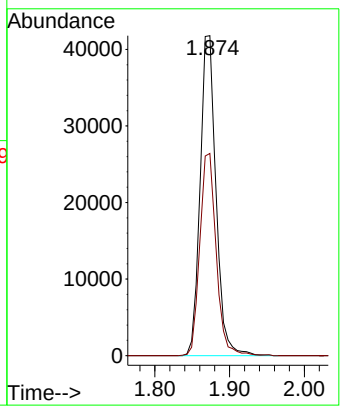


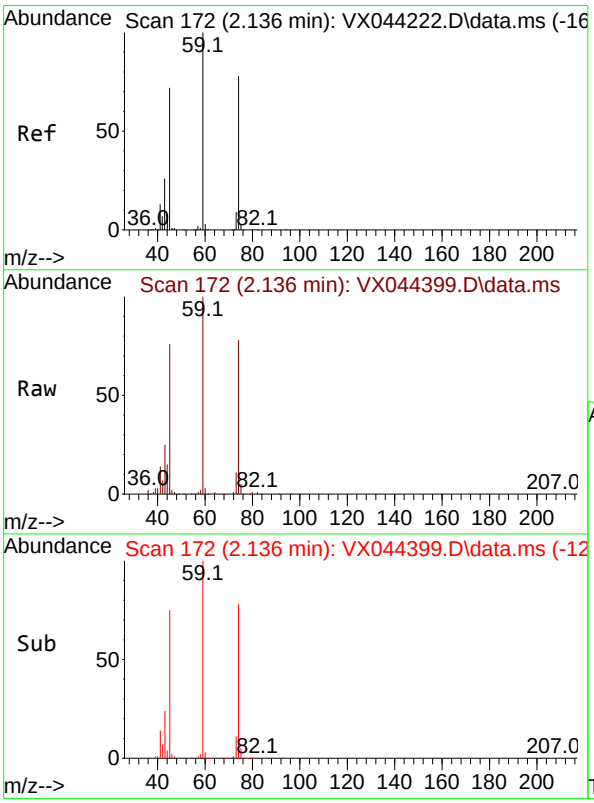

#7
Trichlorofluoromethane
Concen: 15.872 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:101 Resp: 61744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.2 | 51.8 | 77.8 |

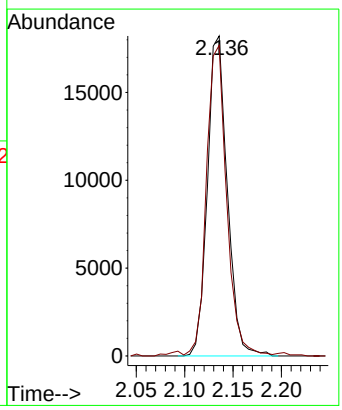


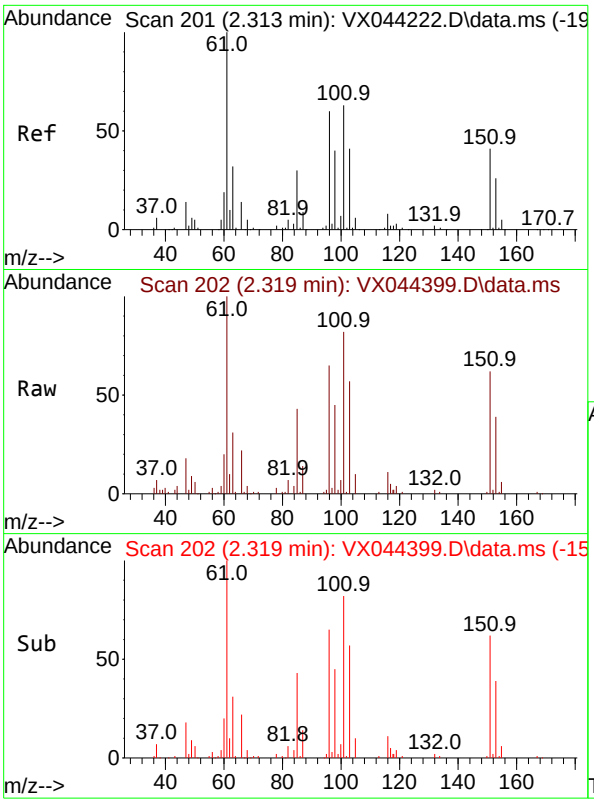




#8
Diethyl Ether
Concen: 19.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 74 Resp: 26105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.4 | 48.4 | 145.0 |



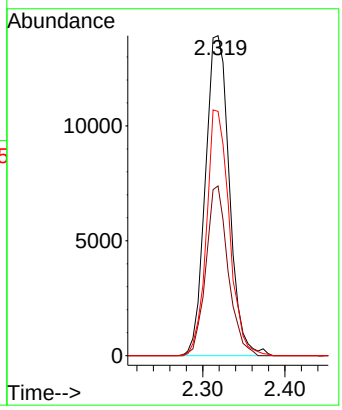


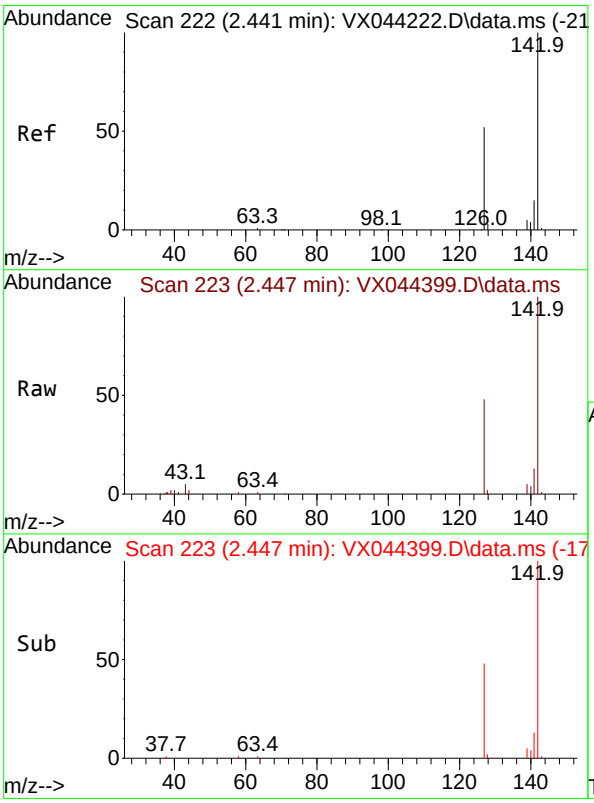

#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:101 Resp: 28167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.3 | 38.5 | 57.7 |
| 151 | 73.1 | 55.8 | 83.6 |

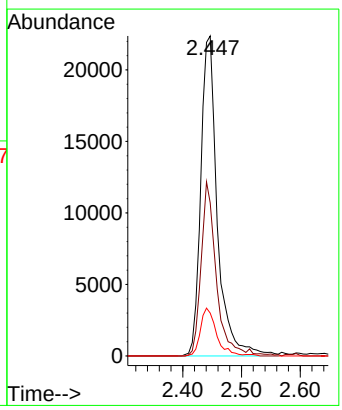


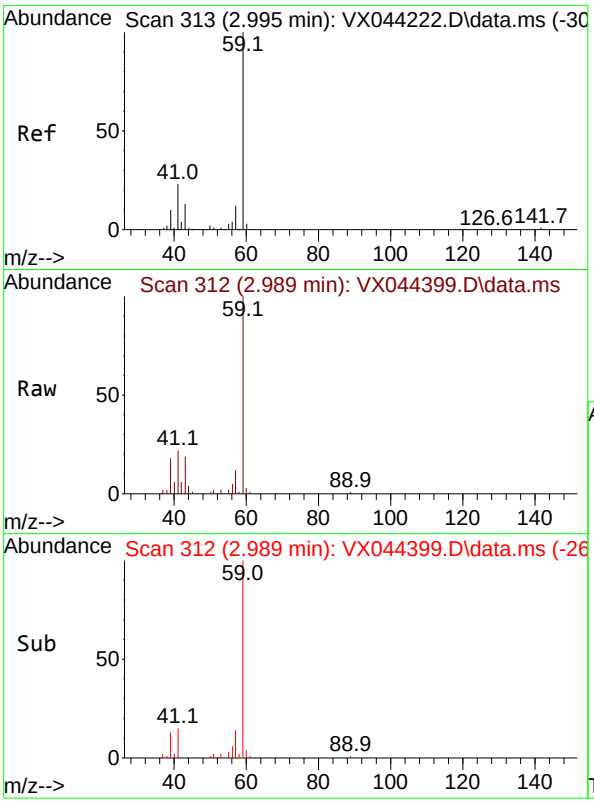




#10
Methyl Iodide
Concen: 21.138 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:142 Resp: 43853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.1 | 41.8 | 62.8 |
| 141 | 14.4 | 11.5 | 17.3 |



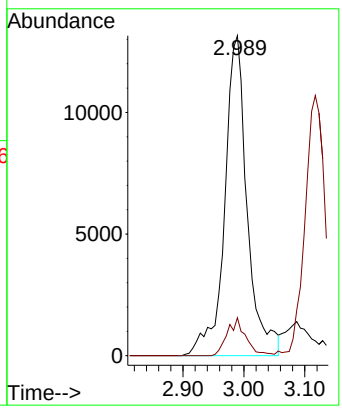


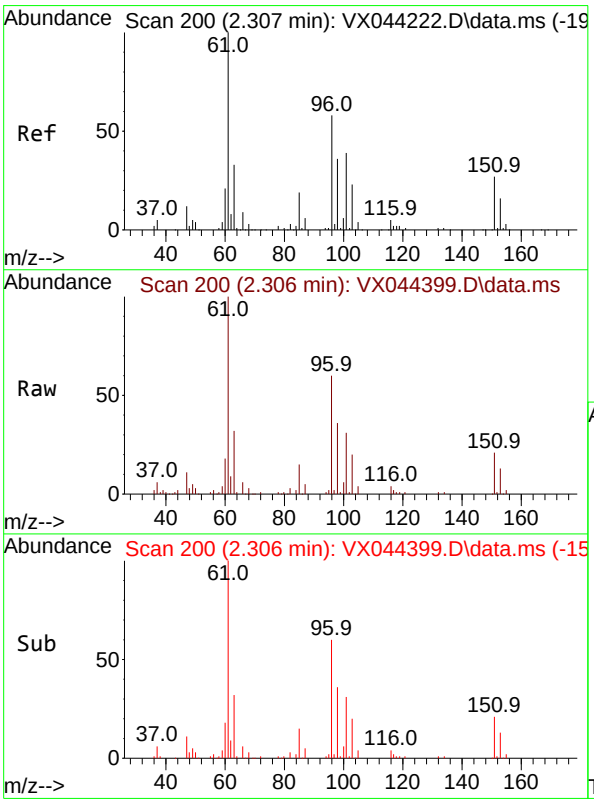

#11
Tert butyl alcohol
Concen: 106.151 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 59 Resp: 33835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.7 | 8.8 | 13.2 |

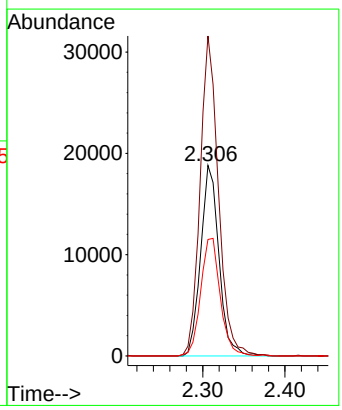


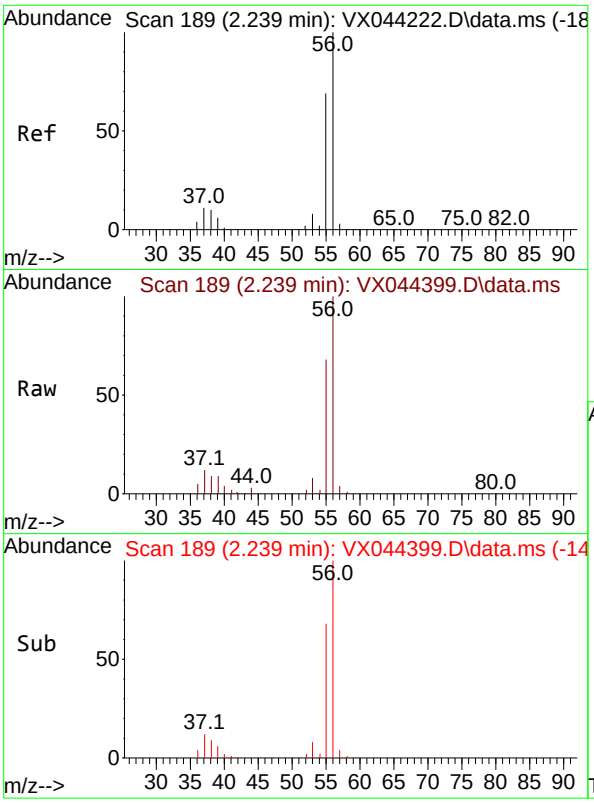




#12
1,1-Dichloroethene
Concen: 20.103 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 96 Resp: 29065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.0 | 138.0 | 207.0 |
| 98 | 61.1 | 50.0 | 75.0 |



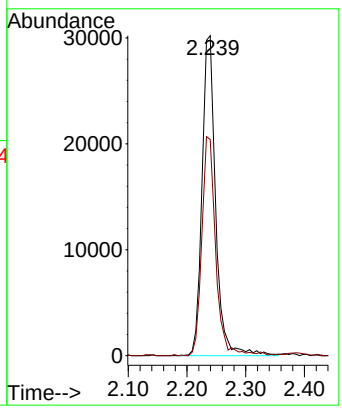


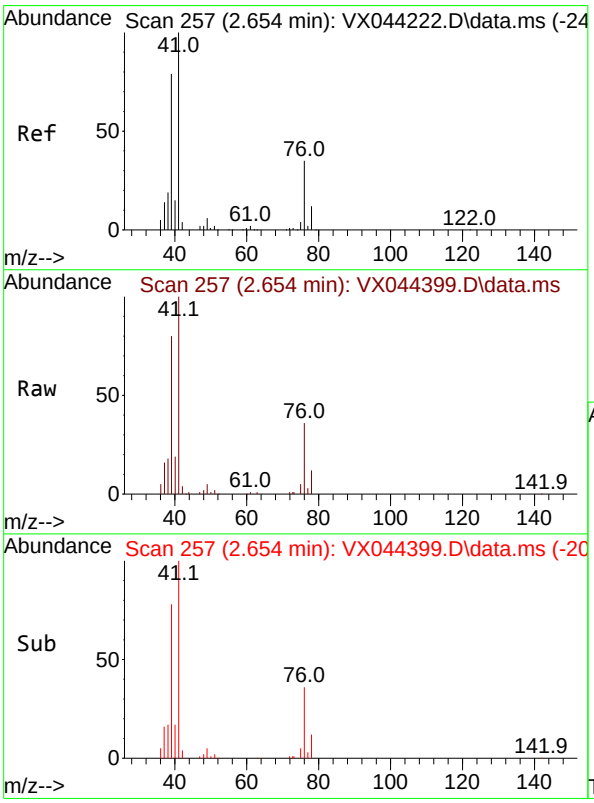

#13
Acrolein
Concen: 105.705 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 56 Resp: 48772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.1 | 56.6 | 84.8 |

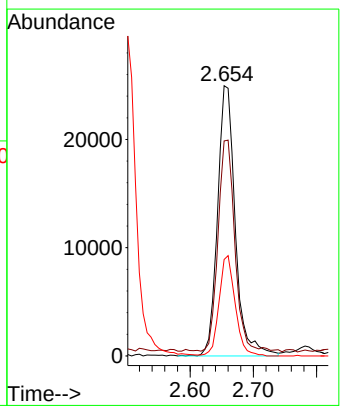


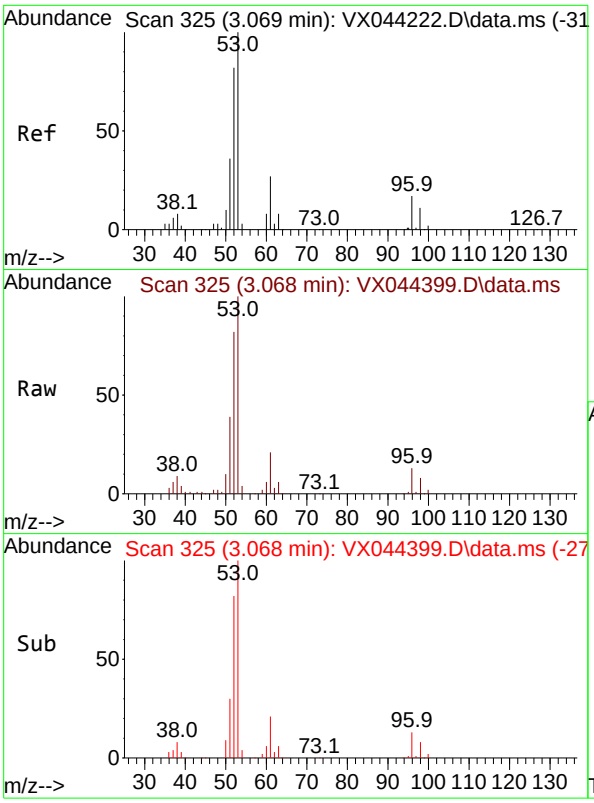




#14
Allyl chloride
Concen: 20.142 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 41 Resp: 48506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.5 | 61.9 | 92.9 |
| 76 | 33.6 | 27.4 | 41.2 |



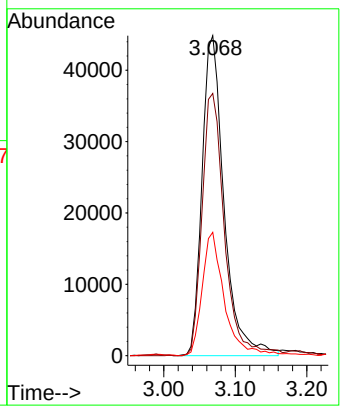


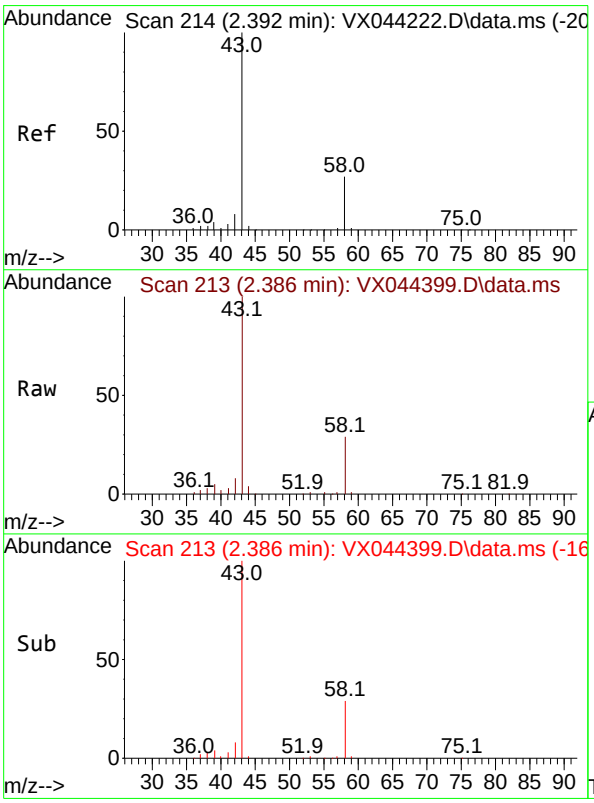

#15
Acrylonitrile
Concen: 108.791 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 53 Resp: 96056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.2 | 67.4 | 101.0 |
| 51 | 39.3 | 30.3 | 45.5 |

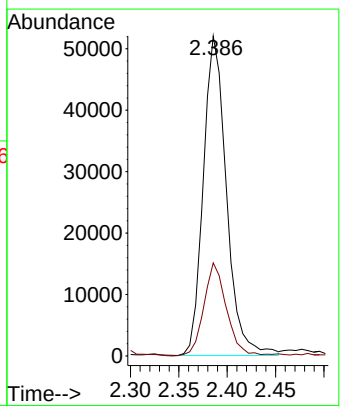


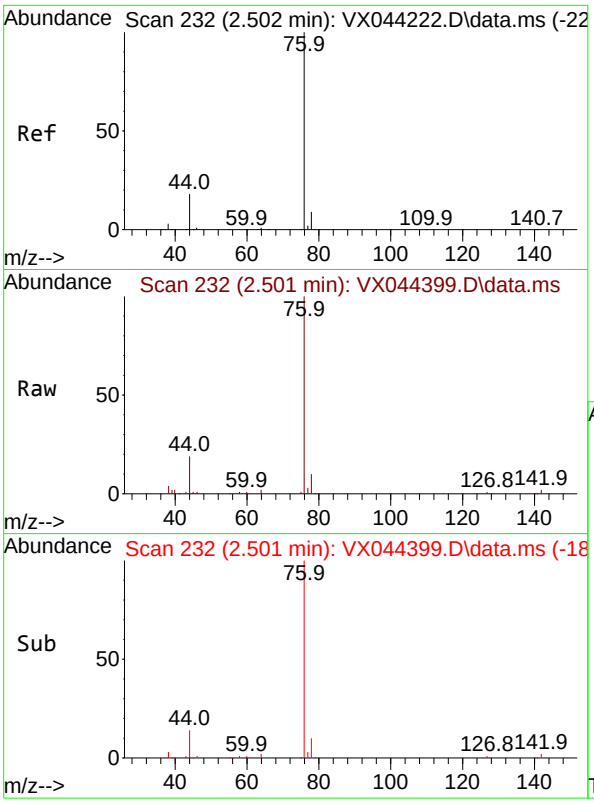




#16
Acetone
Concen: 94.139 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 43 Resp: 86799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 21.6 | 32.4 |



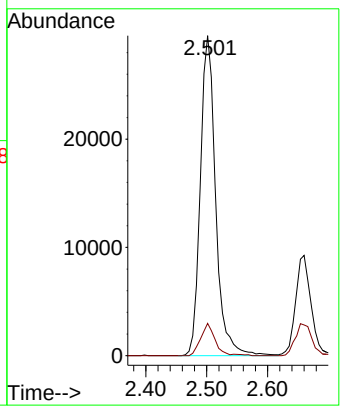


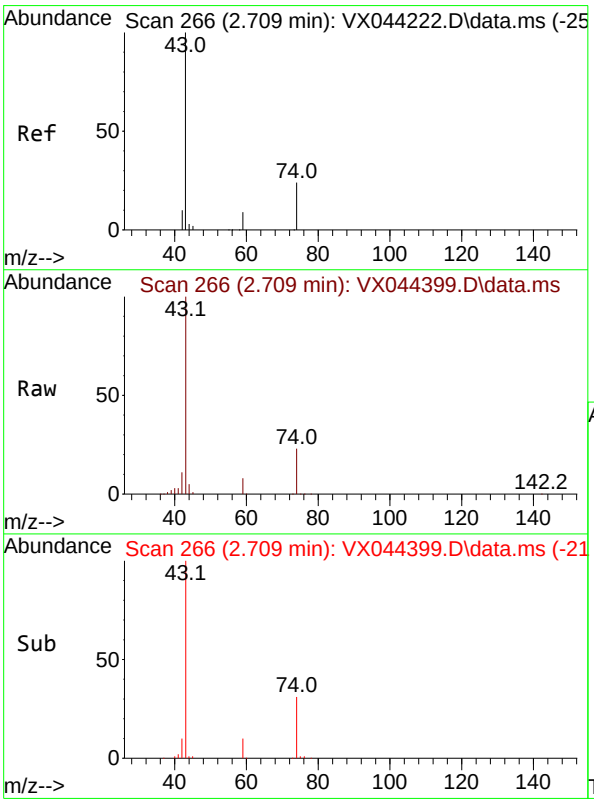

#17
Carbon Disulfide
Concen: 18.822 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 76 Resp: 51728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.1 | 7.4 | 11.0 |

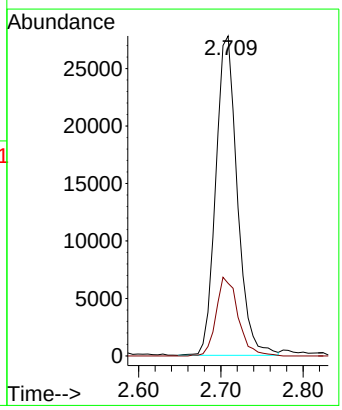


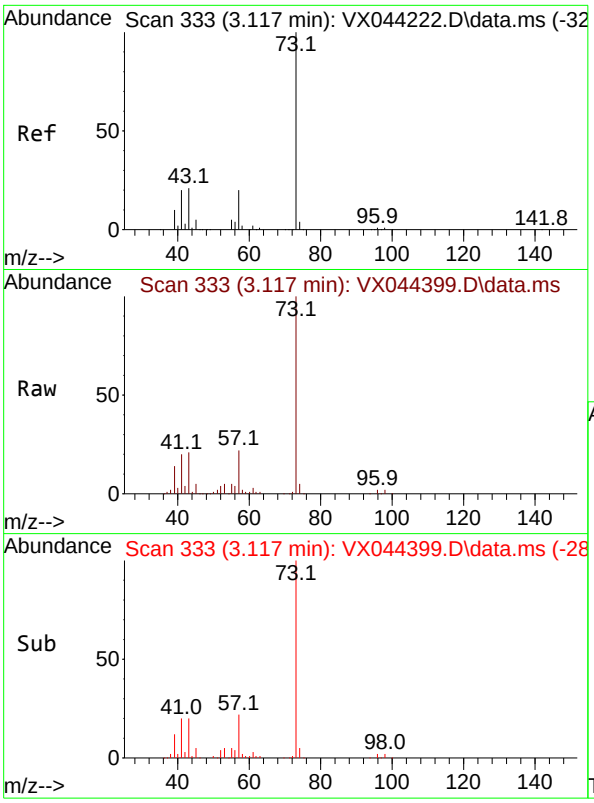




#18
Methyl Acetate
Concen: 21.267 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 43 Resp: 50558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.2 | 17.7 | 26.5 |



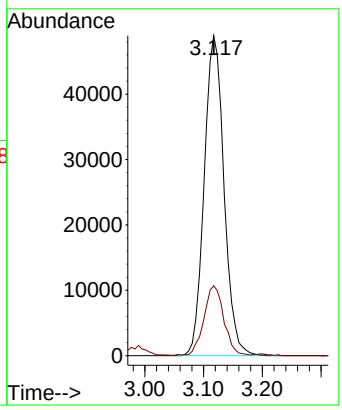


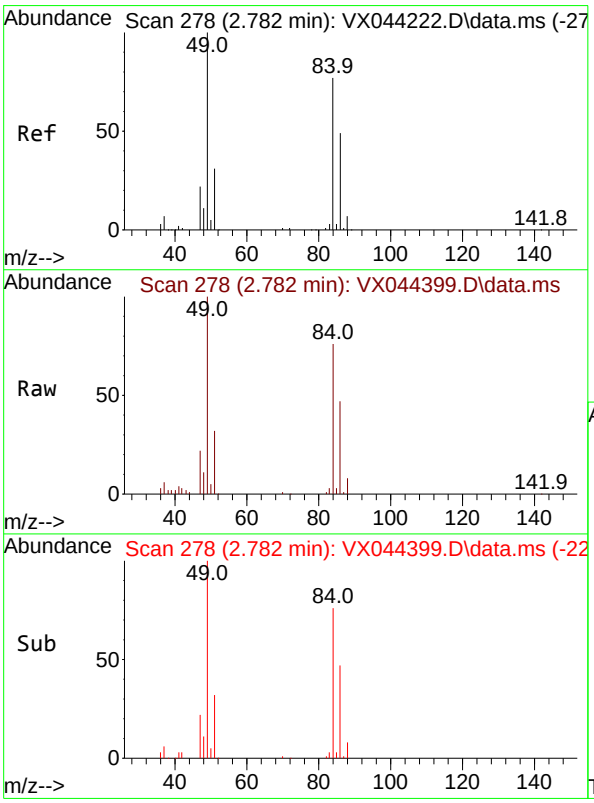

#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 73 Resp: 114860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 16.2 | 24.4 |

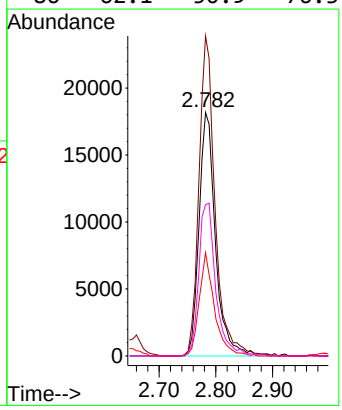


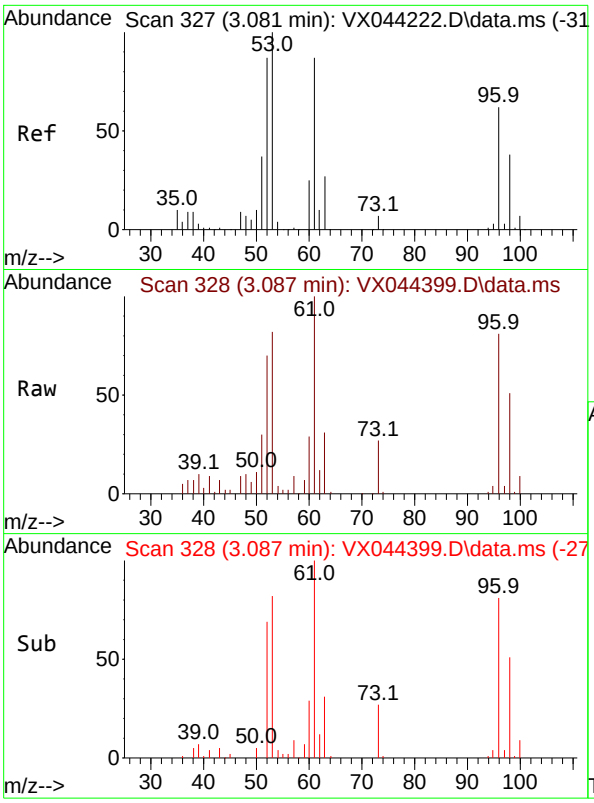




#20
Methylene Chloride
Concen: 21.177 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 84 Resp: 36674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.4 | 104.2 | 156.4 |
| 51 | 42.4 | 32.2 | 48.4 |
| 86 | 62.1 | 50.9 | 76.3 |



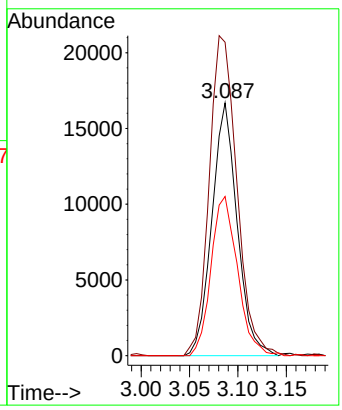


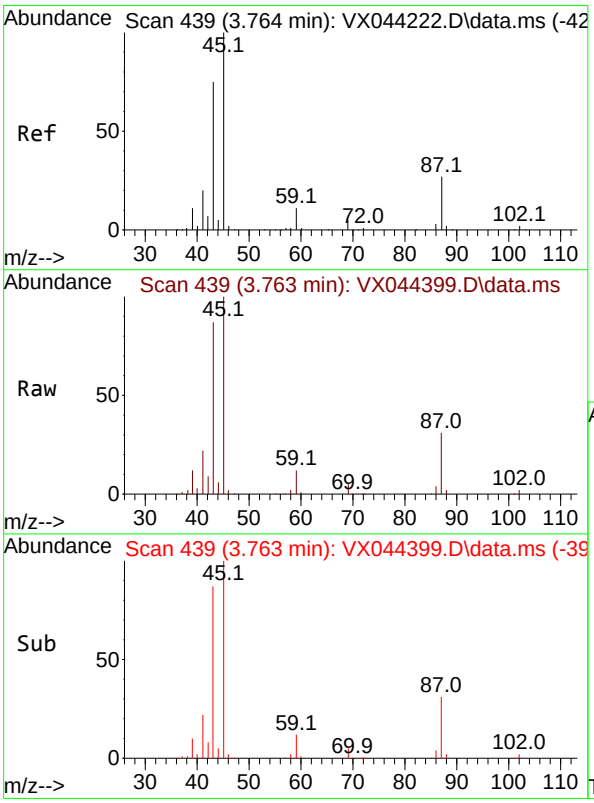

#21
trans-1,2-Dichloroethene
Concen: 19.753 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 96 Resp: 30353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 124.0 | 112.0 | 168.0 |
| 98 | 63.0 | 48.8 | 73.2 |

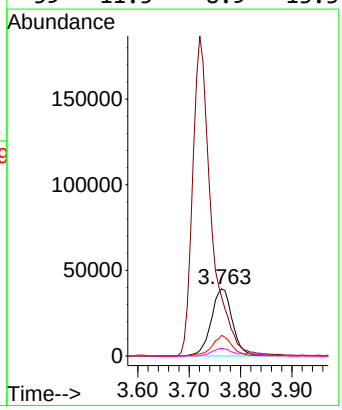


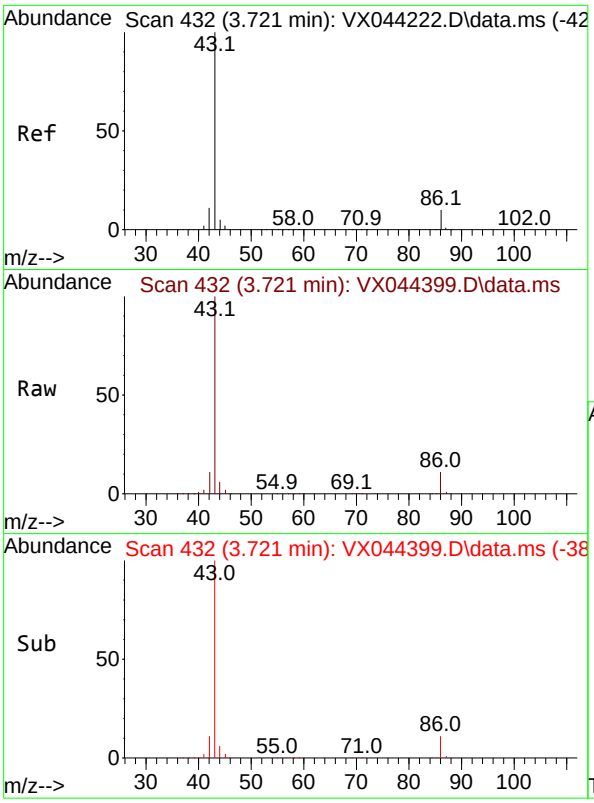




#22
Diisopropyl ether
Concen: 20.757 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 45 Resp: 112563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 86.0 | 60.2 | 90.2 |
| 87 | 30.8 | 21.2 | 31.8 |
| 59 | 11.5 | 8.9 | 13.3 |



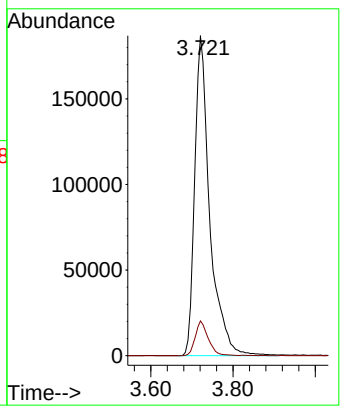


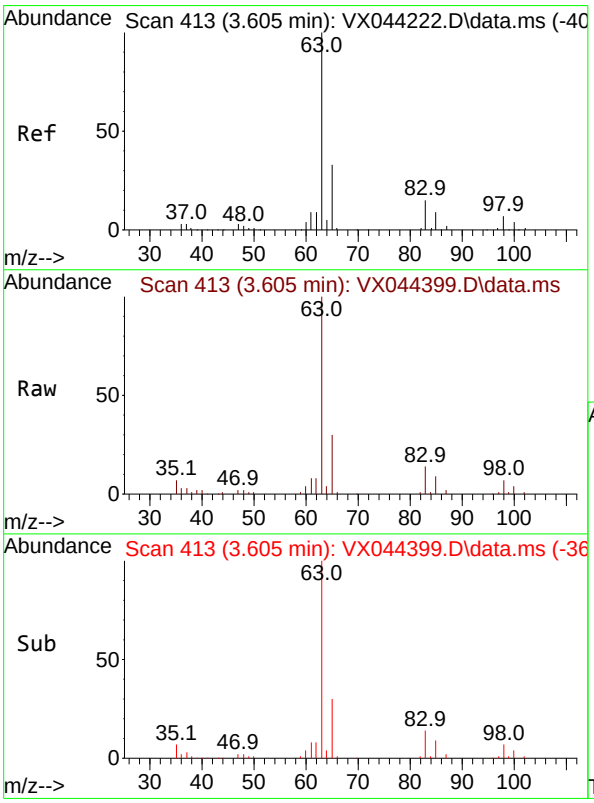

#23
Vinyl Acetate
Concen: 107.800 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 43 Resp: 475270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |

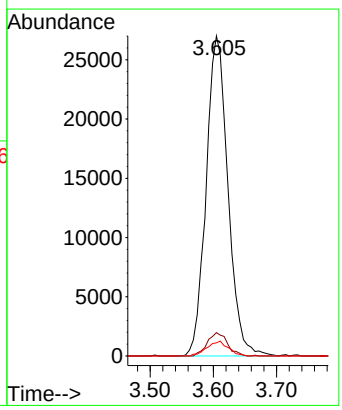


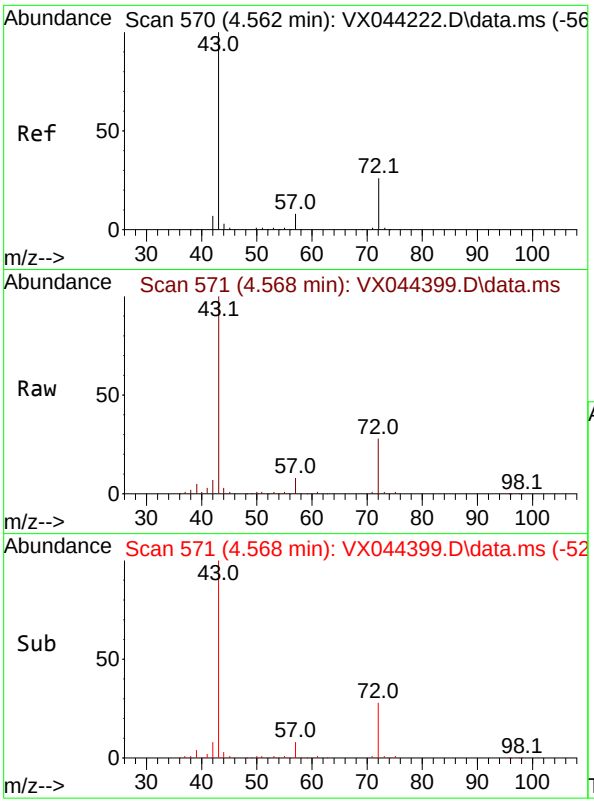




#24
1,1-Dichloroethane
Concen: 21.428 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 63 Resp: 64774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.6 | 10.8 |
| 100 | 4.1 | 2.1 | 6.3 |



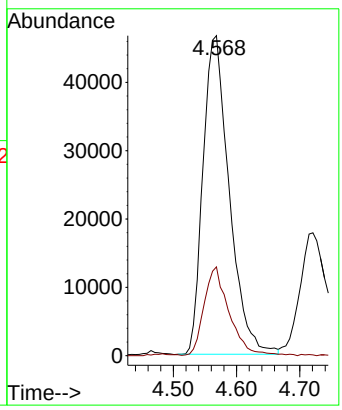


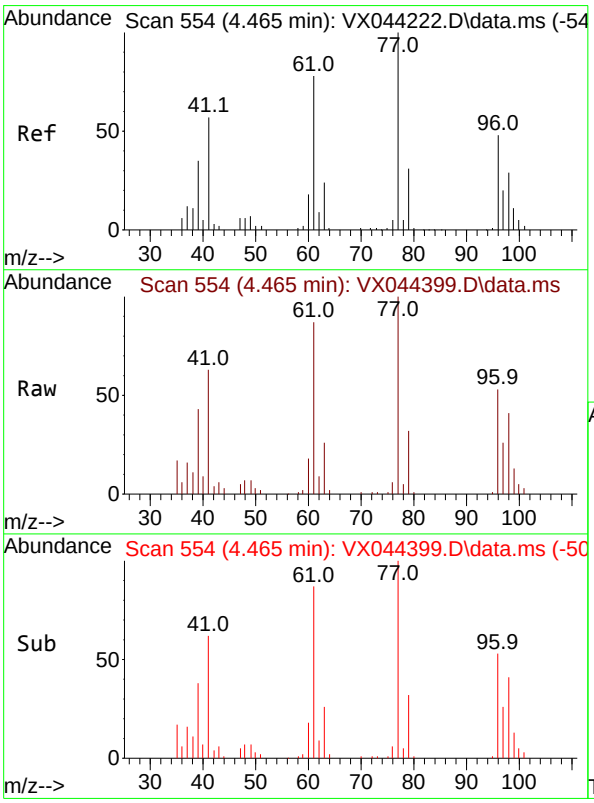

#25
2-Butanone
Concen: 102.837 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 43 Resp: 134799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.6 | 20.2 | 30.4 |

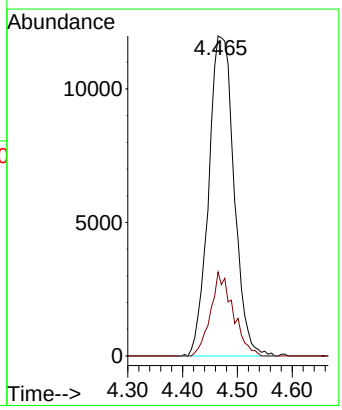


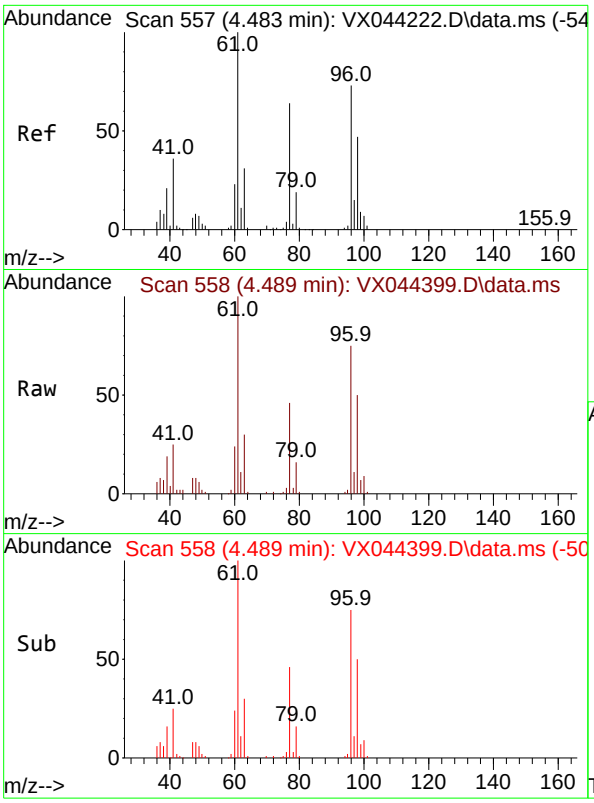




#26
2,2-Dichloropropane
Concen: 15.708 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 77 Resp: 38575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.3 | 10.7 | 32.1 |



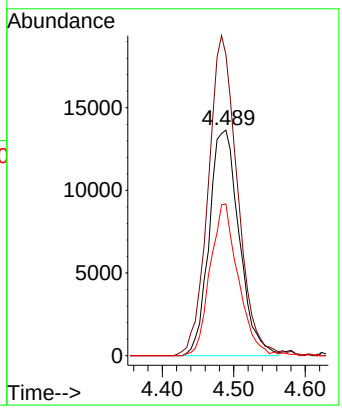


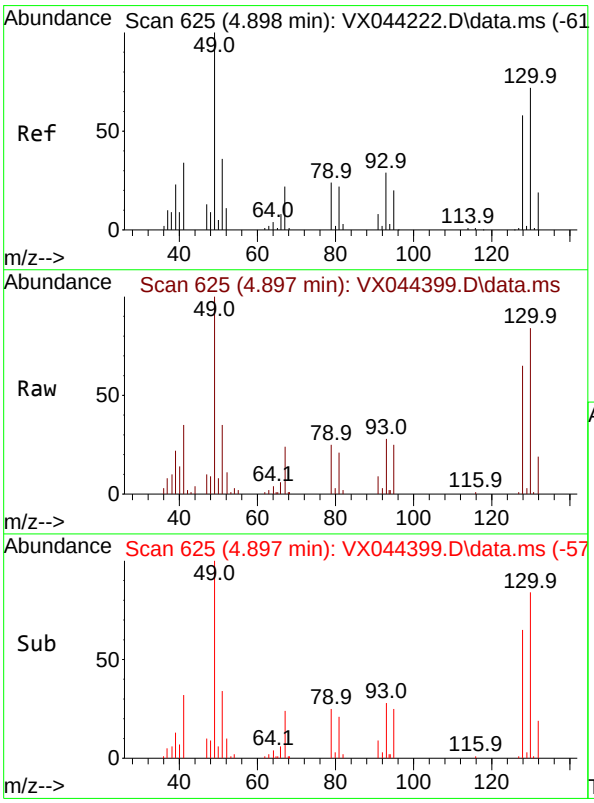

#27
cis-1,2-Dichloroethene
Concen: 20.385 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 96 Resp: 39781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.6 | 0.0 | 299.0 |
| 98 | 63.0 | 0.0 | 129.0 |

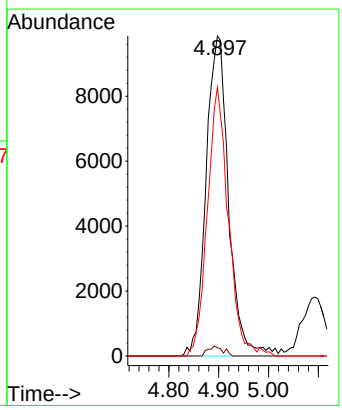


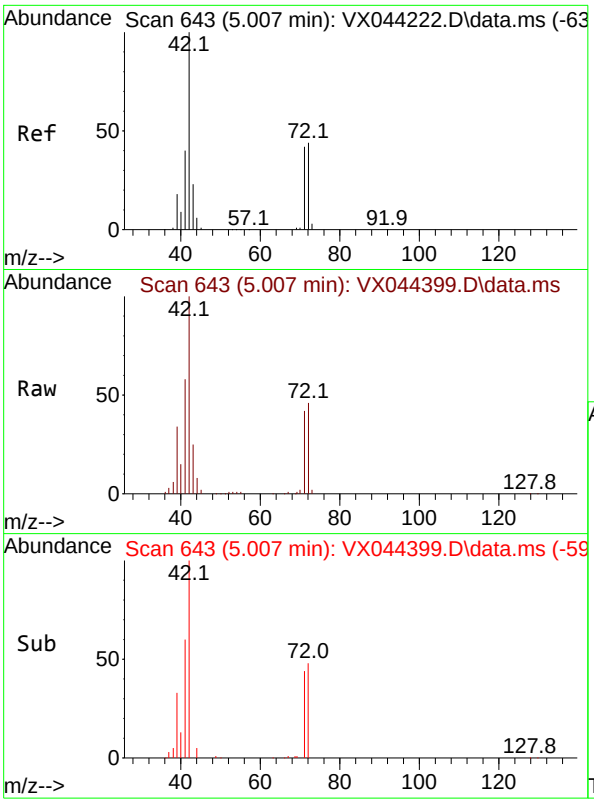




#28
Bromochloromethane
Concen: 20.816 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 49 Resp: 30856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.2 |
| 130 | 77.8 | 62.1 | 93.1 |



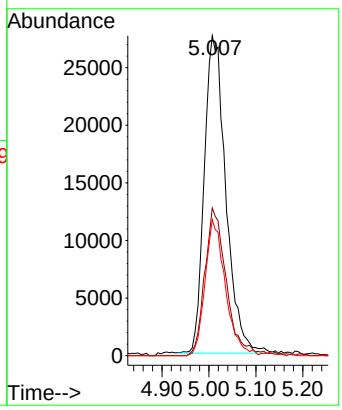


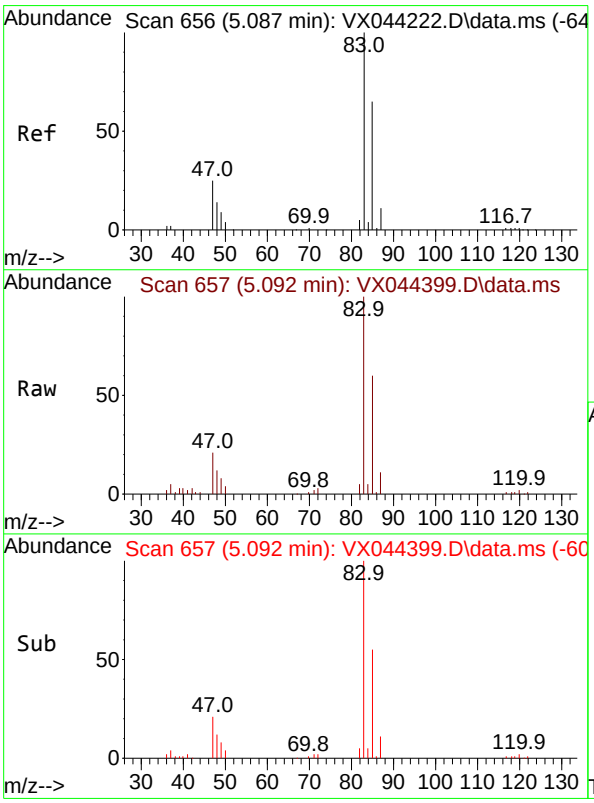

#29
Tetrahydrofuran
Concen: 104.485 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 42 Resp: 87910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.8 | 37.0 | 55.6 |
| 71 | 40.2 | 33.6 | 50.4 |

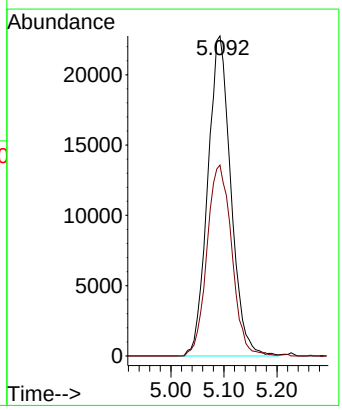


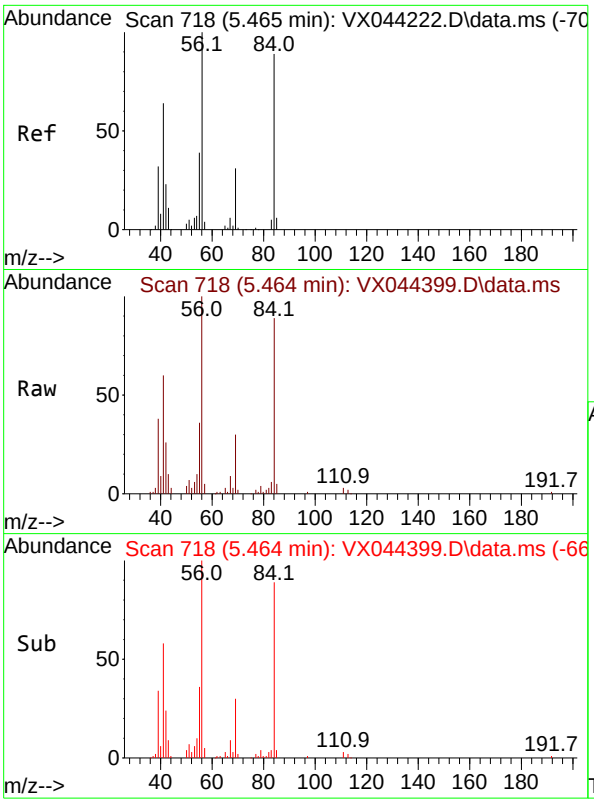




#30
Chloroform
Concen: 20.289 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 83 Resp: 68906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 59.7 | 51.6 | 77.4 |



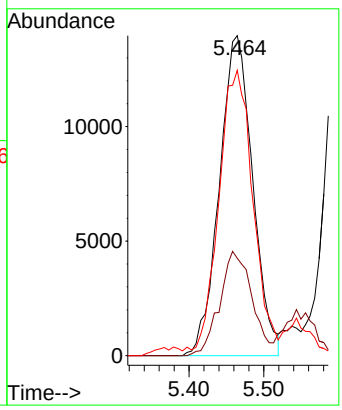


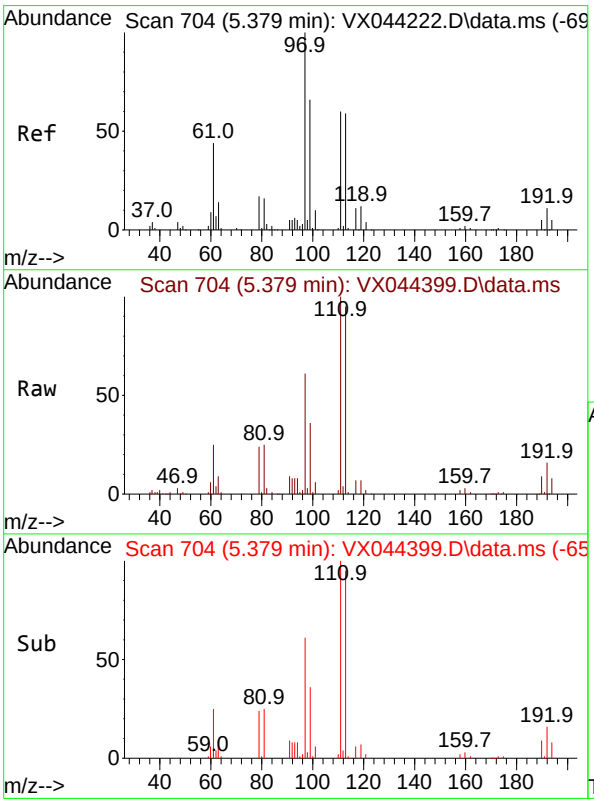

#31
Cyclohexane
Concen: 17.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 56 Resp: 43349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.5 | 24.7 | 37.1 |
| 84 | 86.9 | 71.0 | 106.6 |

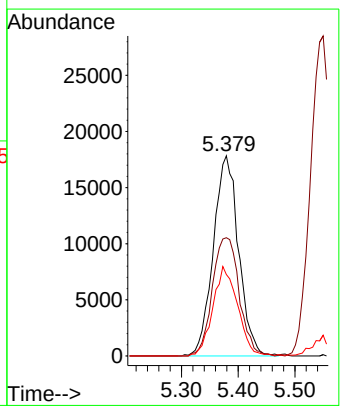


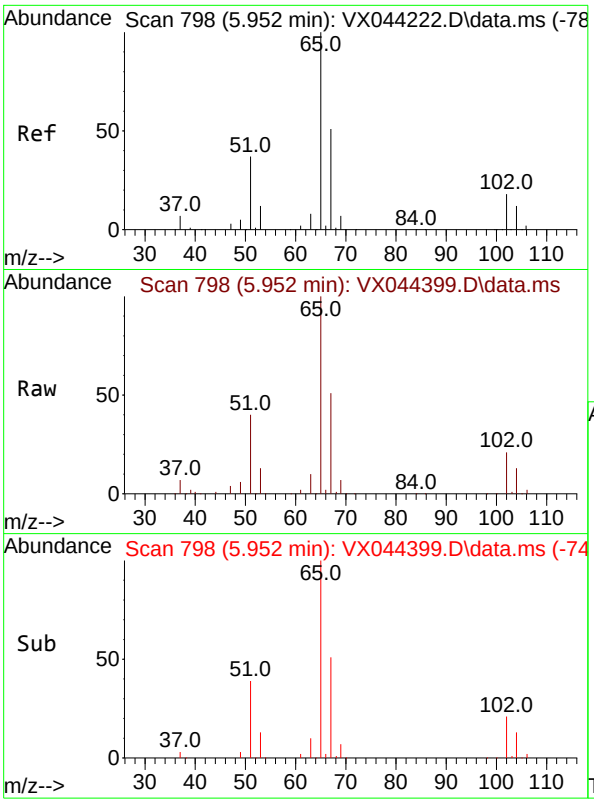




#32
1,1,1-Trichloroethane
Concen: 19.547 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 97 Resp: 55108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.9 | 50.8 | 76.2 |
| 61 | 43.7 | 35.2 | 52.8 |



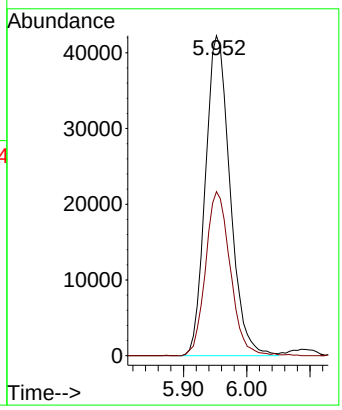


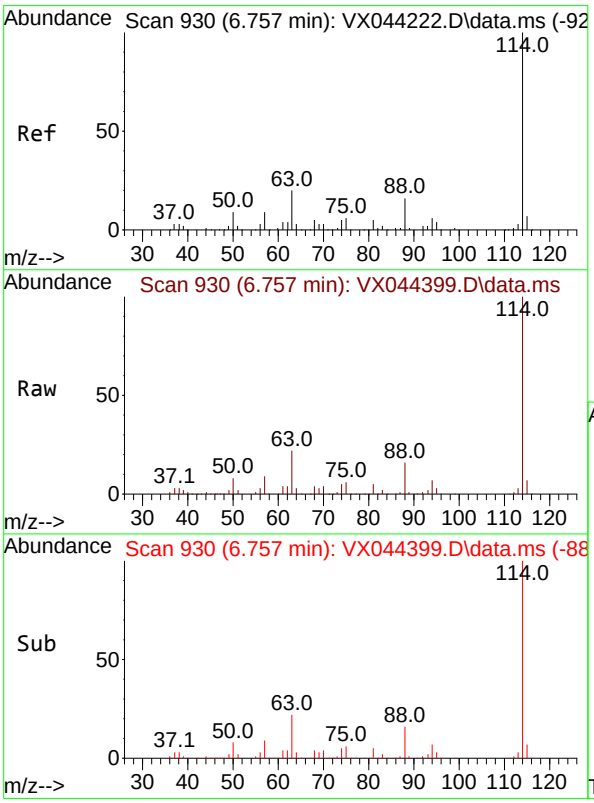

#33
1,2-Dichloroethane-d4
Concen: 50.457 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 65 Resp: 114115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 101.6 |

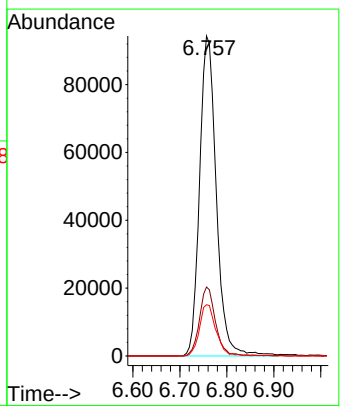


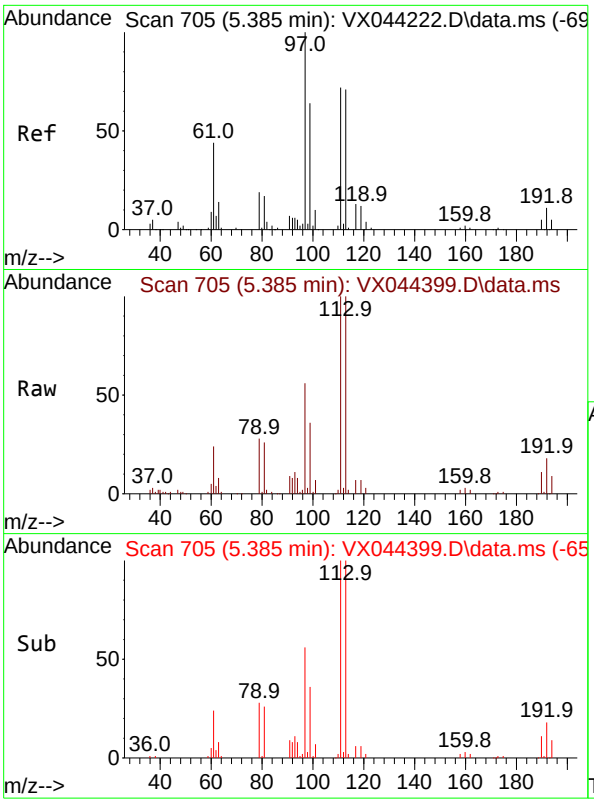




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:114 Resp: 233001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.6 | 0.0 | 40.6 |
| 88 | 16.0 | 0.0 | 31.8 |



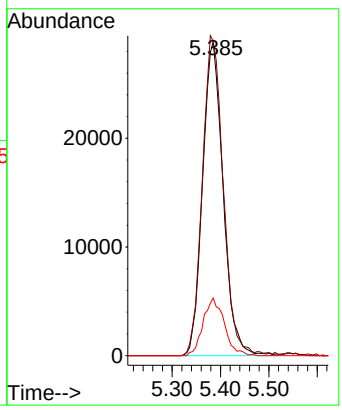


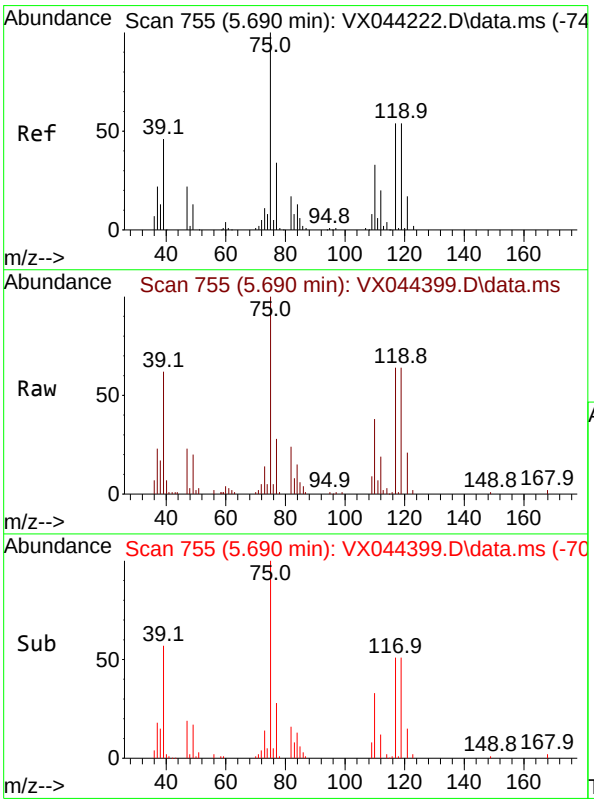

#35
Dibromofluoromethane
Concen: 52.694 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:113 Resp: 85034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.3 | 80.4 | 120.6 |
| 192 | 19.0 | 13.3 | 19.9 |

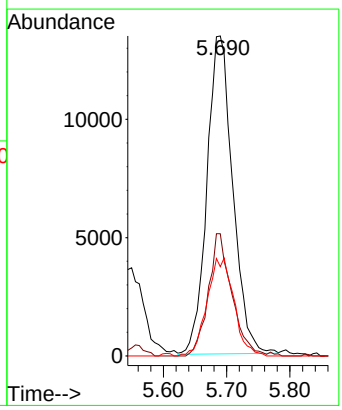


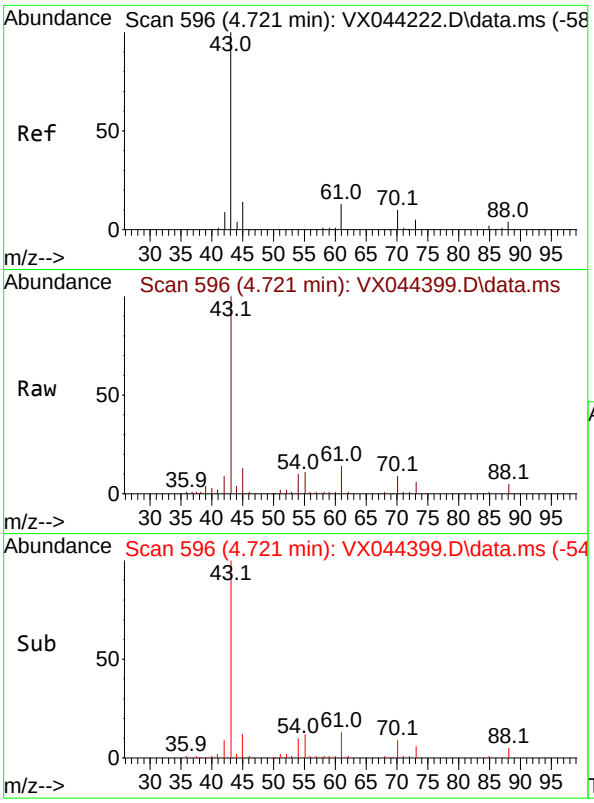




#36
1,1-Dichloropropene
Concen: 18.259 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 75 Resp: 38087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.1 | 17.3 | 51.7 |
| 77 | 32.0 | 25.4 | 38.0 |



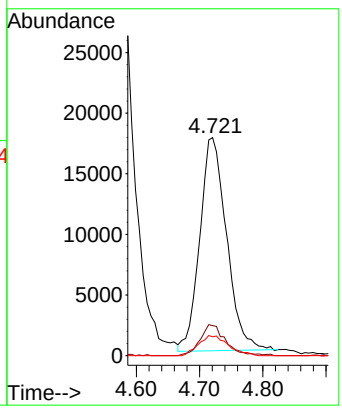


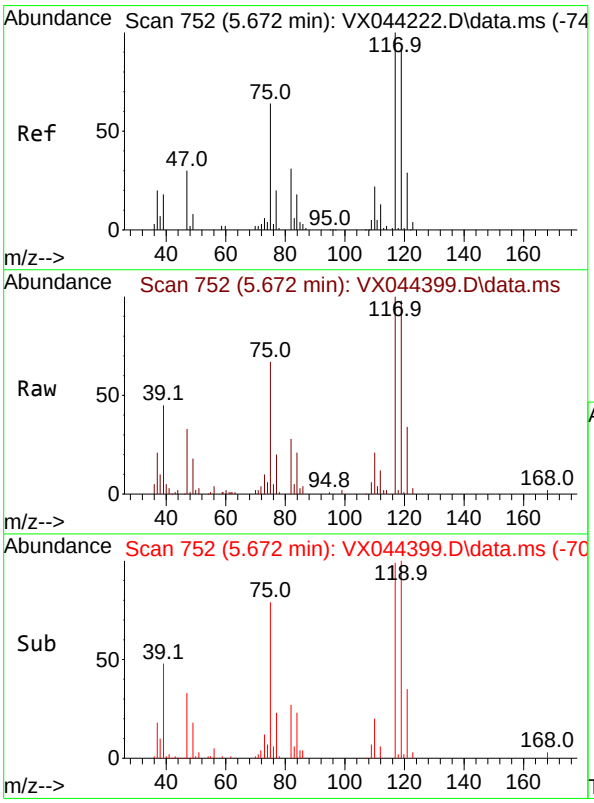

#37
Ethyl Acetate
Concen: 20.100 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 43 Resp: 51828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 9.8 | 14.8 |
| 70 | 10.5 | 7.7 | 11.5 |

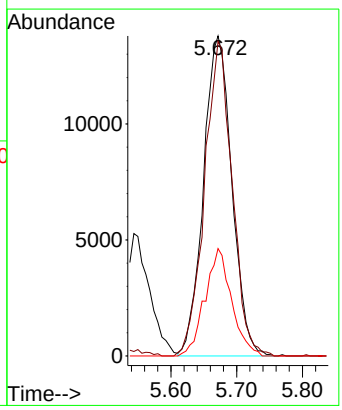


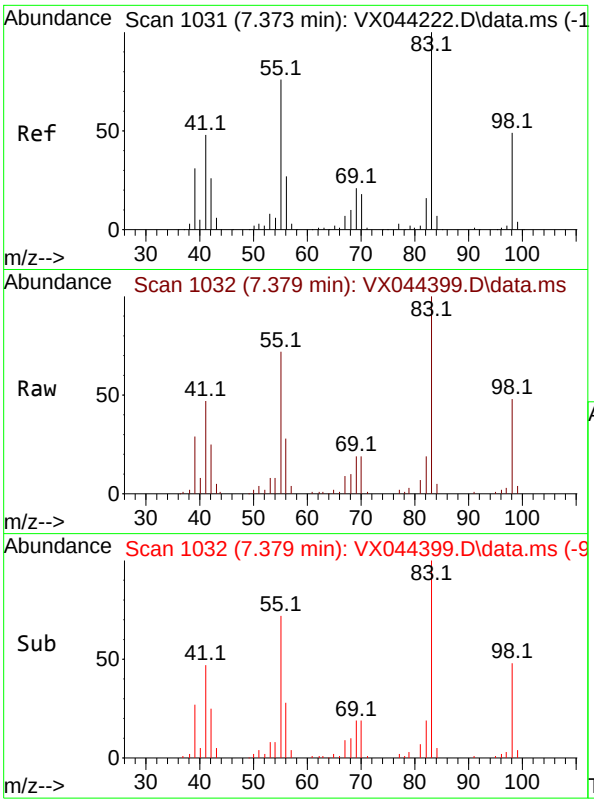




#38
Carbon Tetrachloride
Concen: 18.435 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:117 Resp: 41400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.3 | 74.2 | 111.4 |
| 121 | 33.6 | 23.0 | 34.6 |



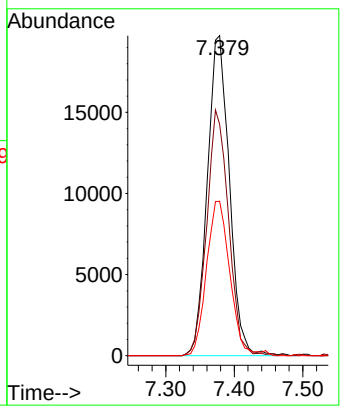


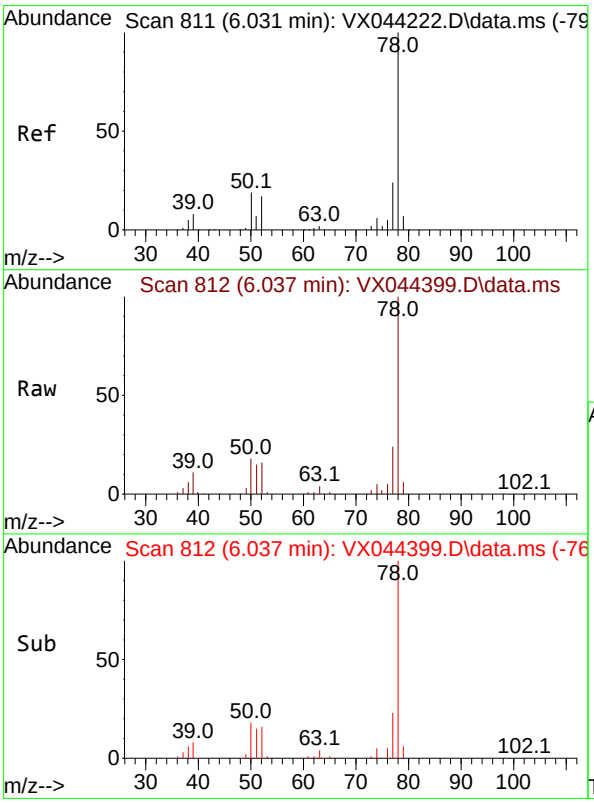

#39
Methylcyclohexane
Concen: 17.665 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 83 Resp: 44052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.3 | 60.7 | 91.1 |
| 98 | 48.2 | 38.9 | 58.3 |

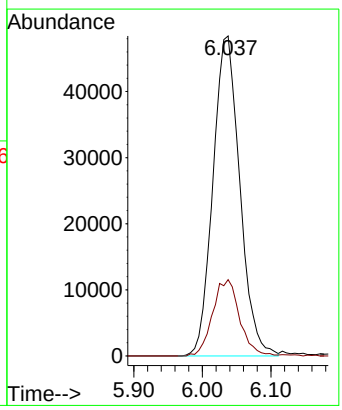


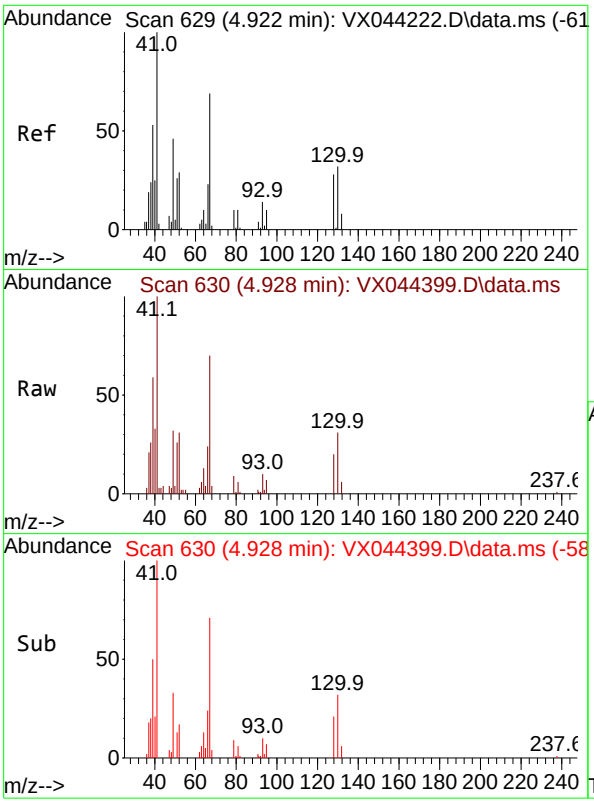




#40
Benzene
Concen: 20.769 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 78 Resp: 131536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.3 | 28.9 |



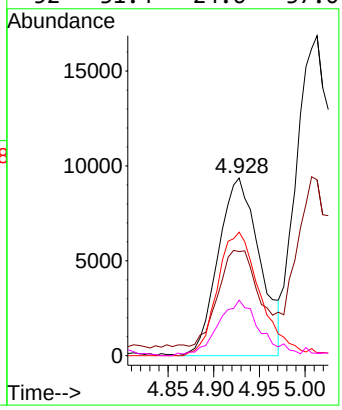


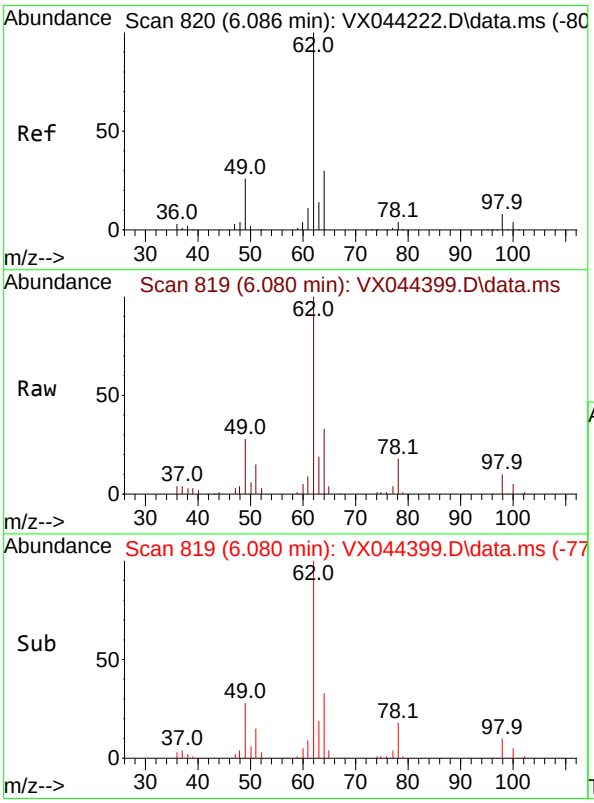

#41
Methacrylonitrile
Concen: 21.629 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 41 Resp: 29615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.6 | 44.2 | 66.4 |
| 67 | 71.9 | 57.2 | 85.8 |
| 52 | 31.4 | 24.6 | 37.0 |

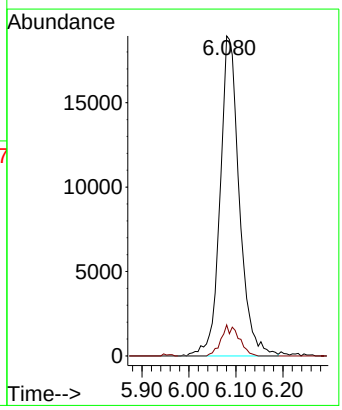


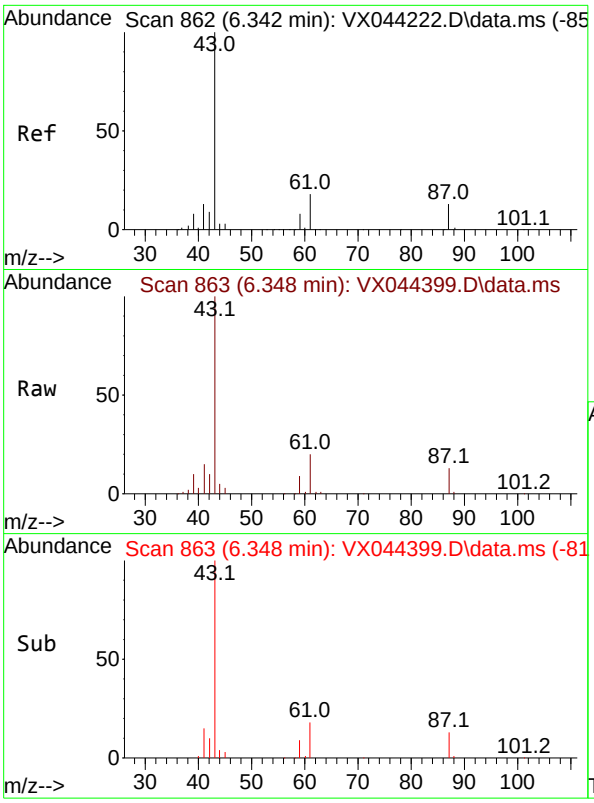




#42
1,2-Dichloroethane
Concen: 20.639 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 62 Resp: 53845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 15.8 |



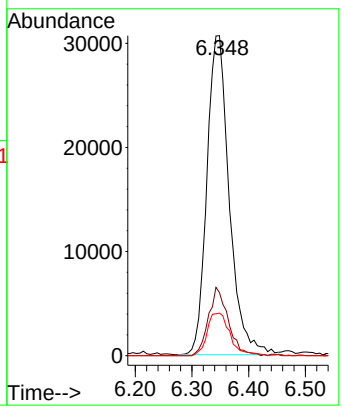


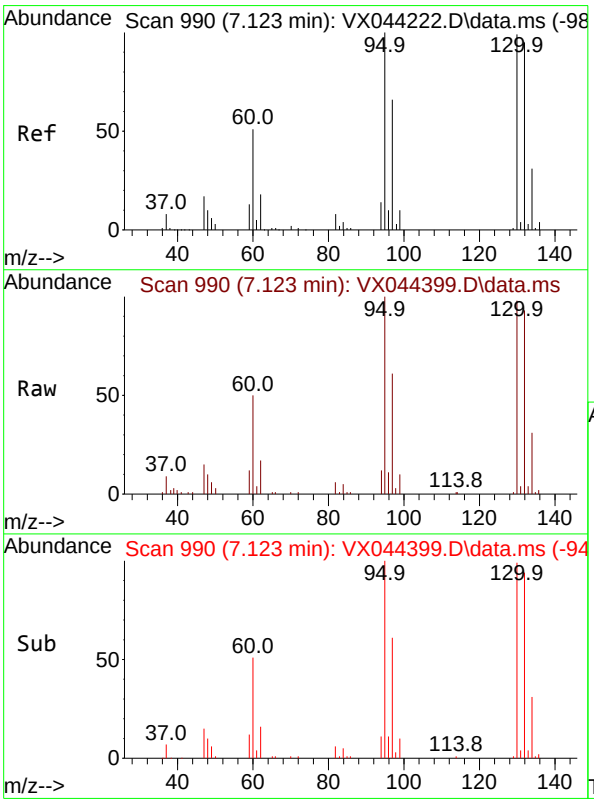

#43
Isopropyl Acetate
Concen: 20.849 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 43 Resp: 84024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 14.2 | 21.2 |
| 87 | 13.6 | 10.2 | 15.2 |

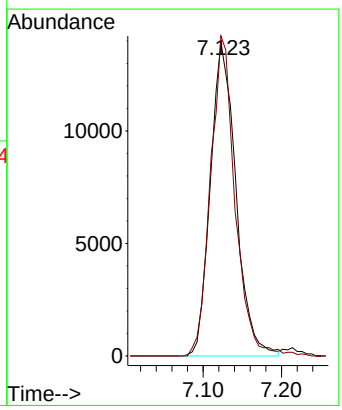


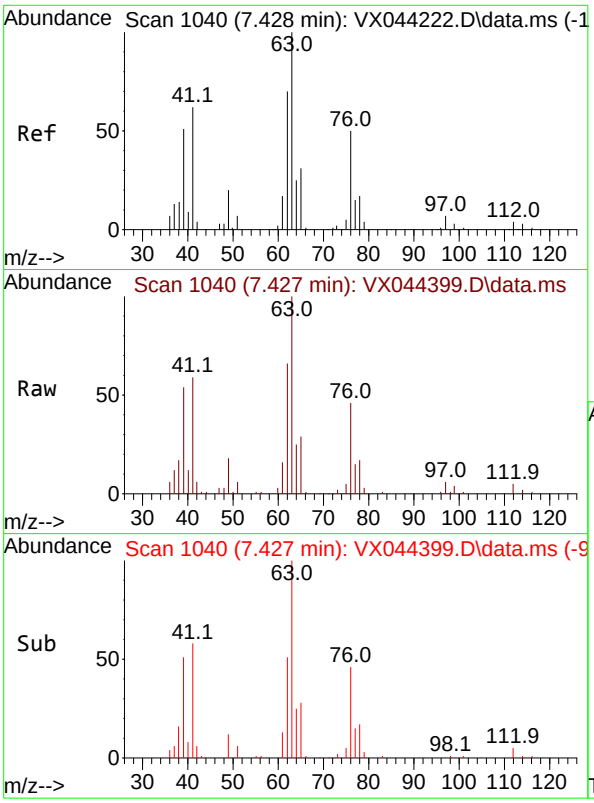




#44
Trichloroethene
Concen: 19.941 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:130 Resp: 31494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.1 | 0.0 | 201.4 |



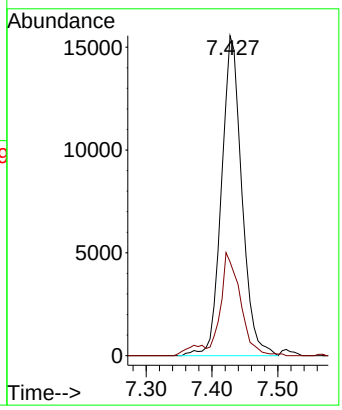


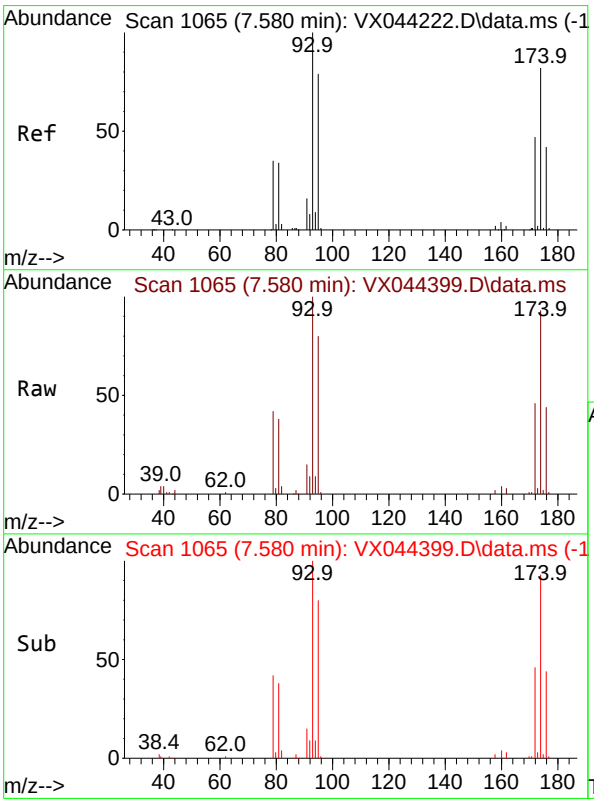

#45
1,2-Dichloropropane
Concen: 20.711 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 63 Resp: 33512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.8 | 24.6 | 37.0 |

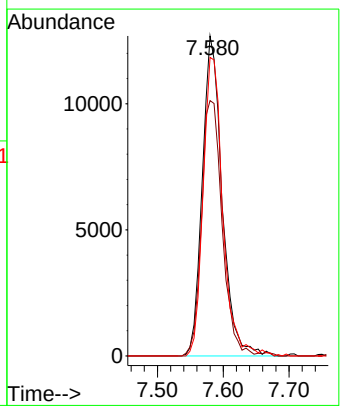


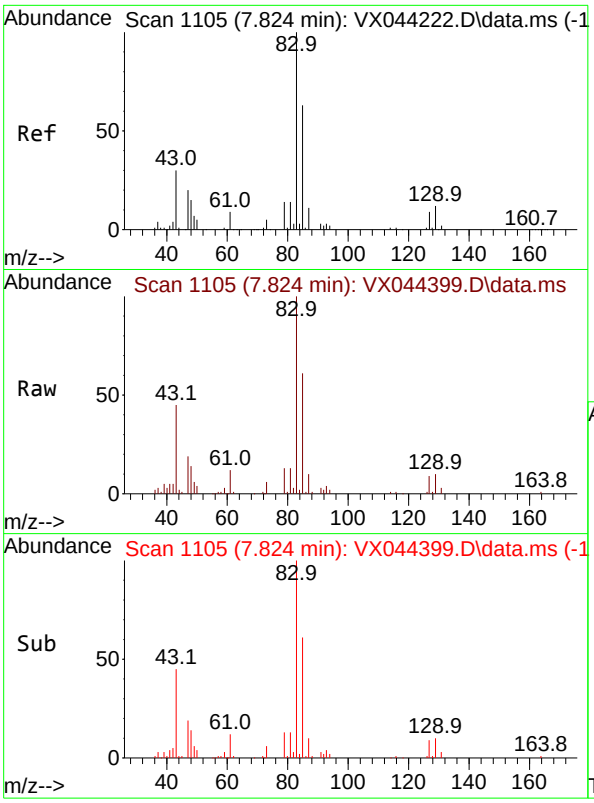




#46
Dibromomethane
Concen: 21.182 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 93 Resp: 26590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.2 | 65.4 | 98.2 |
| 174 | 92.7 | 67.9 | 101.9 |



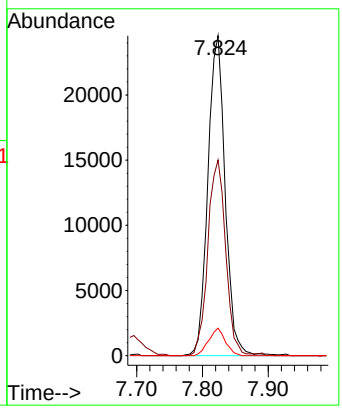


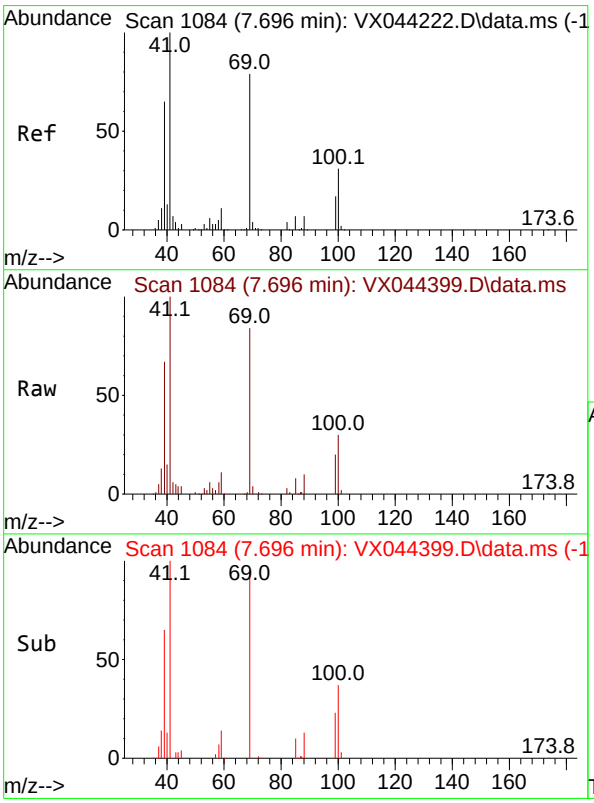

#47
Bromodichloromethane
Concen: 20.717 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 83 Resp: 44915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.2 | 50.6 | 75.8 |
| 127 | 8.6 | 7.3 | 10.9 |

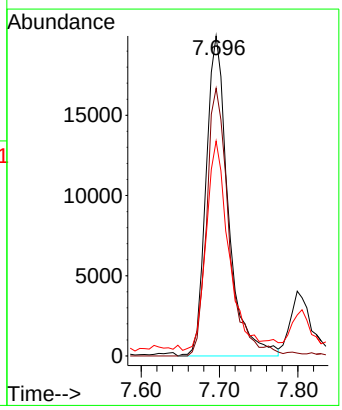


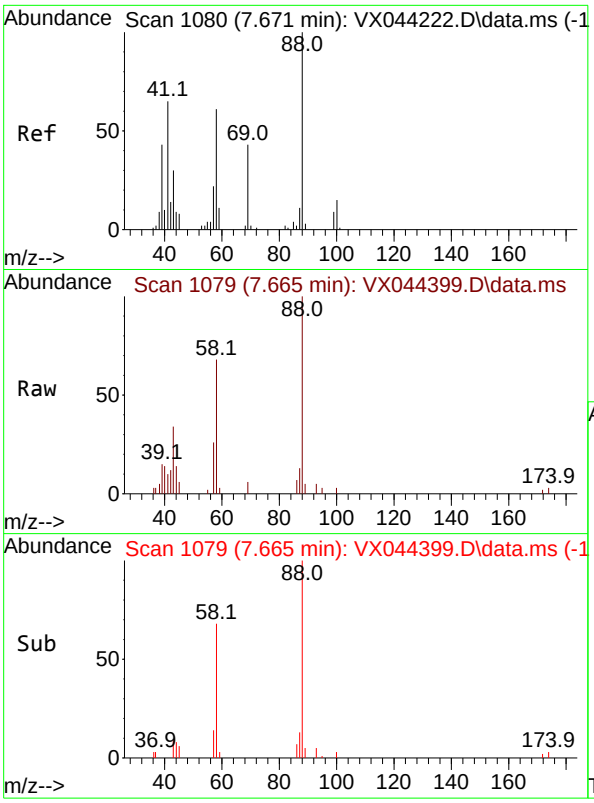




#48
Methyl methacrylate
Concen: 20.050 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 41 Resp: 39226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.0 | 62.4 | 93.6 |
| 39 | 66.2 | 53.3 | 79.9 |



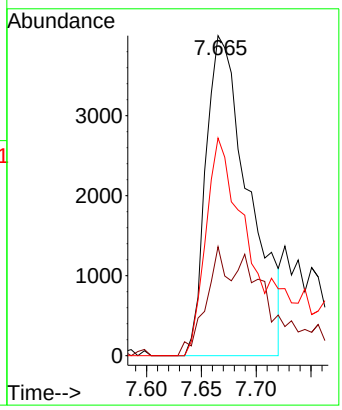


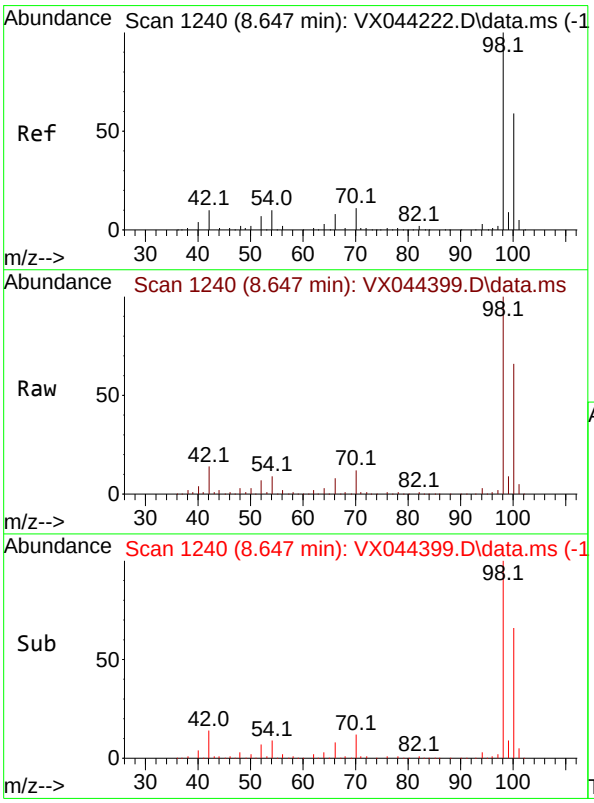

#49
1,4-Dioxane
Concen: 335.893 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 88 Resp: 10895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 27.1 | 40.7# |
| 58 | 60.8 | 41.0 | 61.4 |

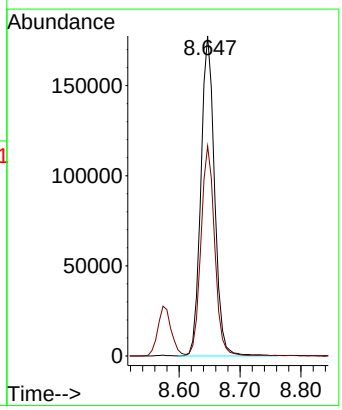


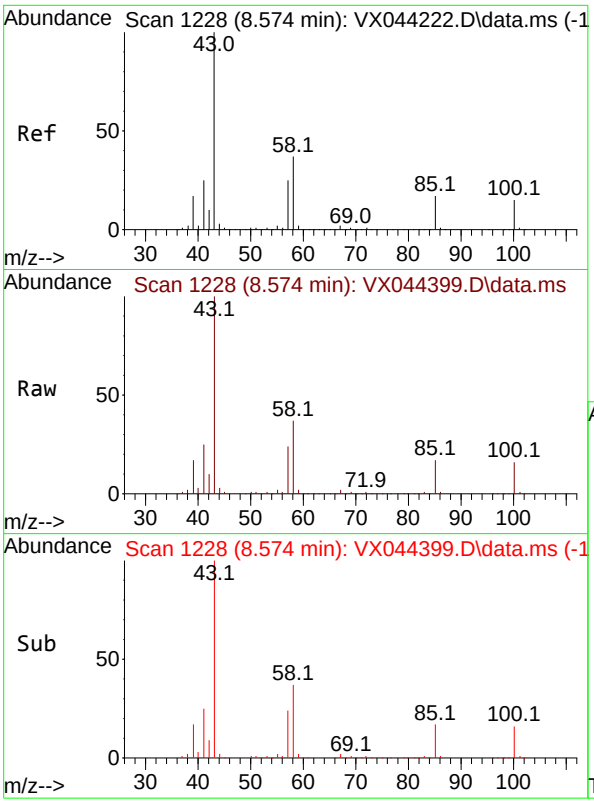




#50
Toluene-d8
Concen: 50.909 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 98 Resp: 277165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 51.5 | 77.3 |



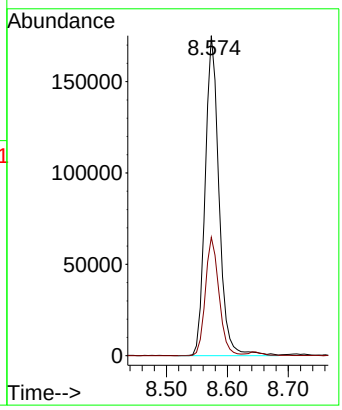


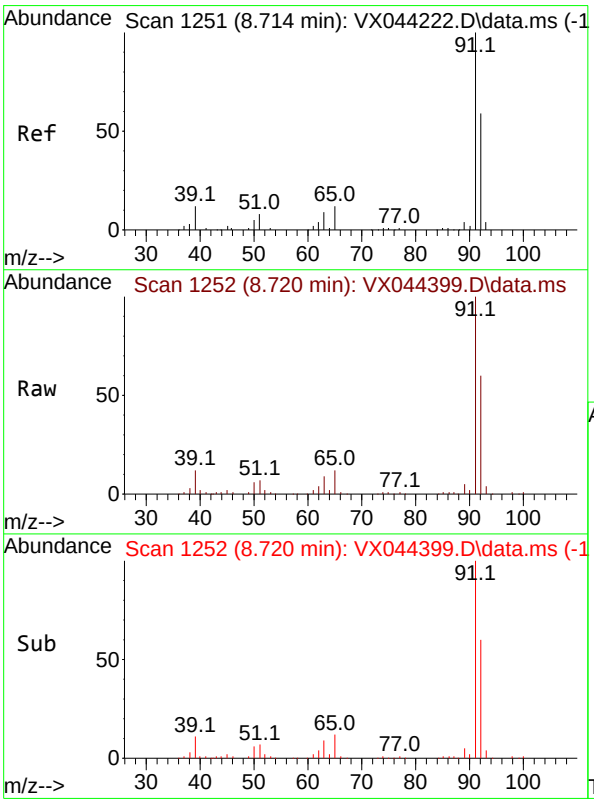

#51
4-Methyl-2-Pentanone
Concen: 106.686 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 43 Resp: 276459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.4 | 29.4 | 44.0 |

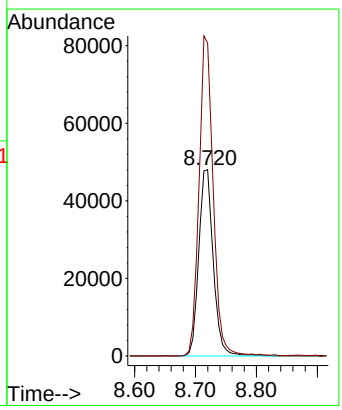


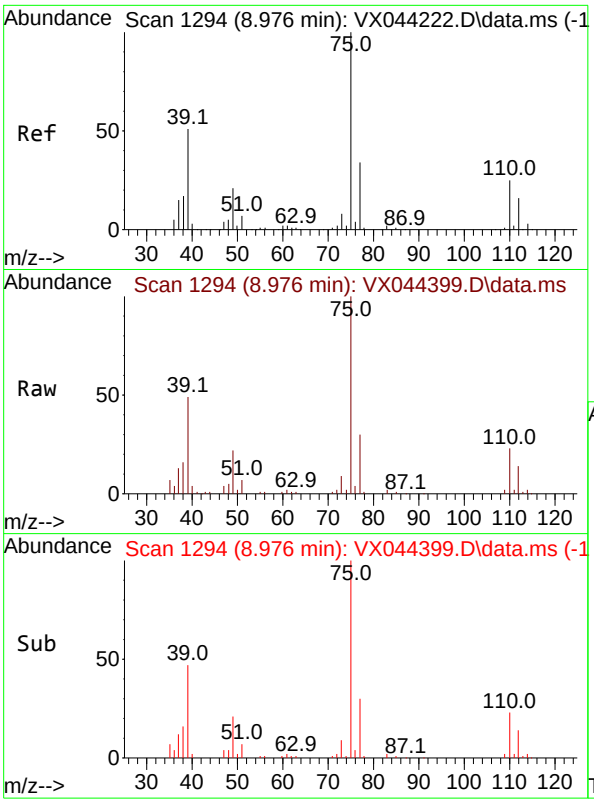




#52
Toluene
Concen: 20.006 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 92 Resp: 79570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.2 | 137.0 | 205.6 |



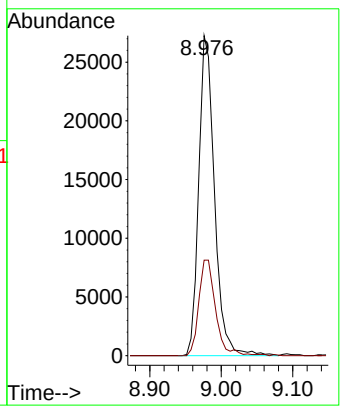


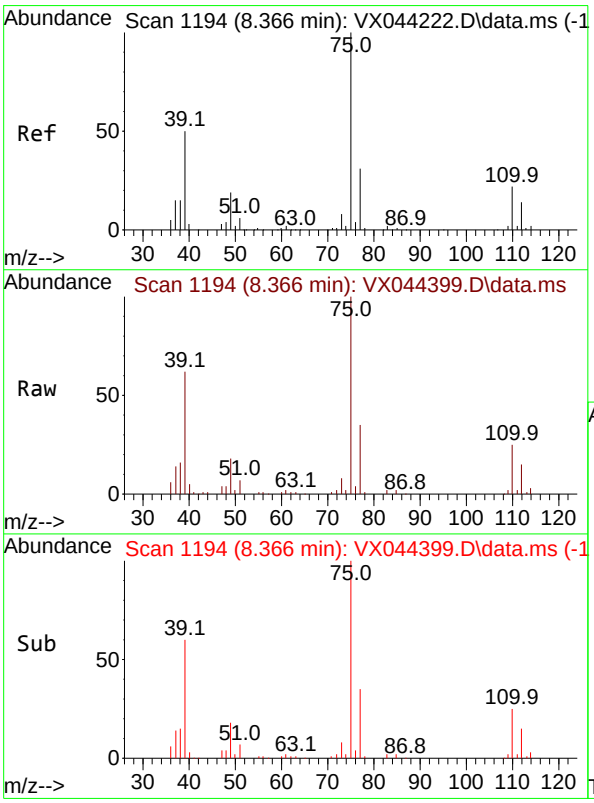

#53
t-1,3-Dichloropropene
Concen: 19.130 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 75 Resp: 41702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.8 | 27.2 | 40.8 |

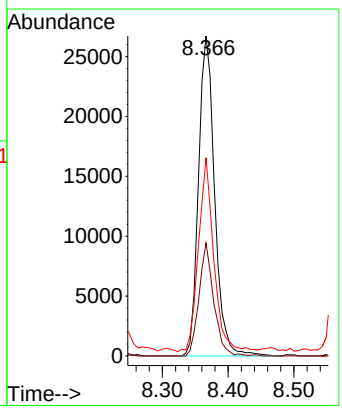


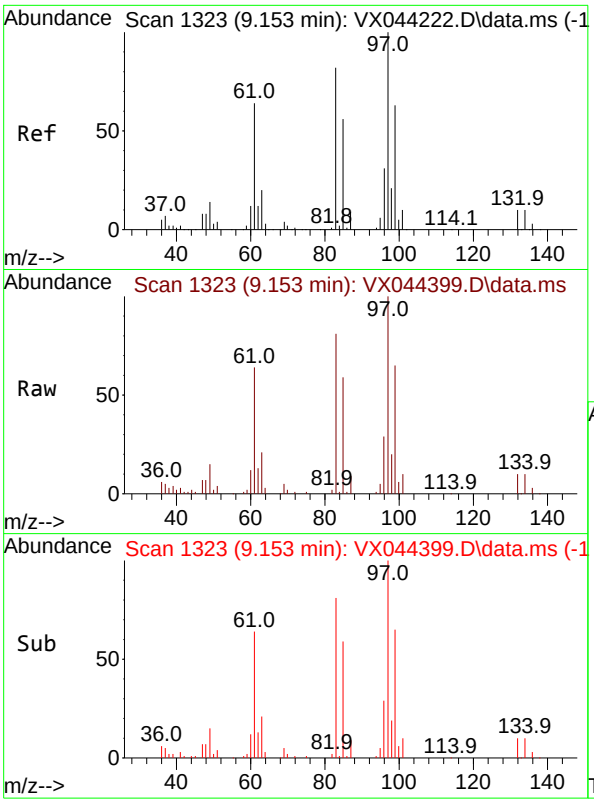




#54
cis-1,3-Dichloropropene
Concen: 19.319 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 75 Resp: 45604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.3 | 24.7 | 37.1 |
| 39 | 60.7 | 40.3 | 60.5# |



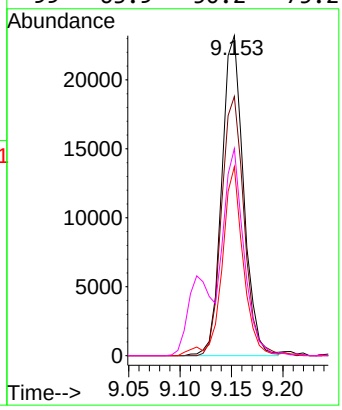


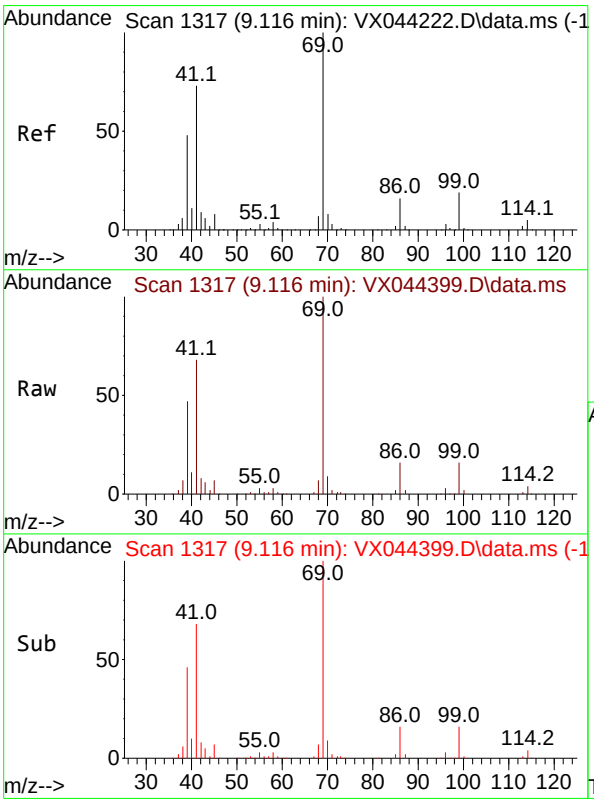

#55
1,1,2-Trichloroethane
Concen: 21.643 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 97 Resp: 34197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.0 | 65.3 | 97.9 |
| 85 | 59.1 | 44.6 | 67.0 |
| 99 | 63.9 | 50.2 | 75.2 |

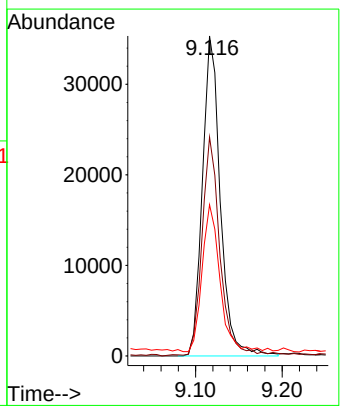


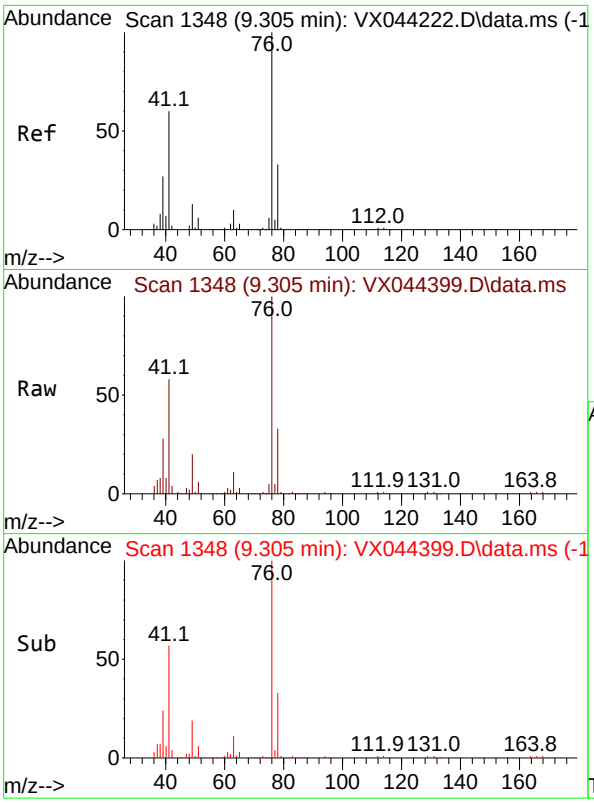




#56
Ethyl methacrylate
Concen: 20.388 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 69 Resp: 50855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 56.6 | 85.0 |
| 39 | 45.9 | 37.4 | 56.0 |



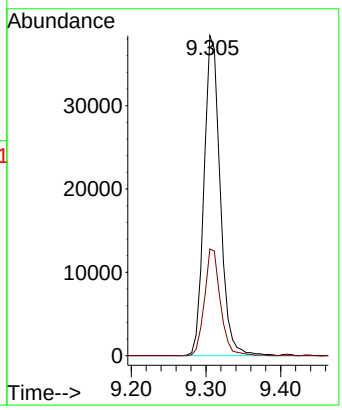


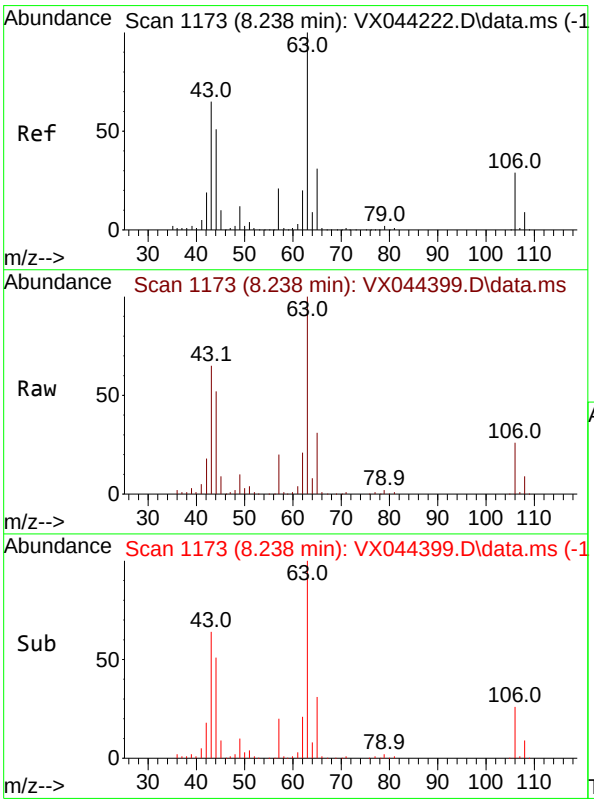

#57
1,3-Dichloropropane
Concen: 20.991 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 76 Resp: 57729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.0 | 26.5 | 39.7 |

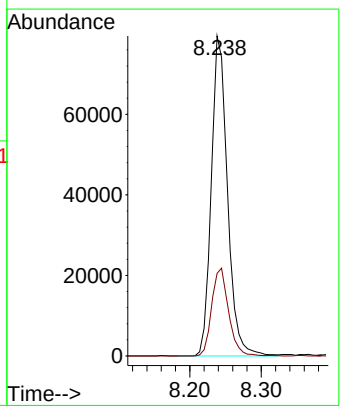


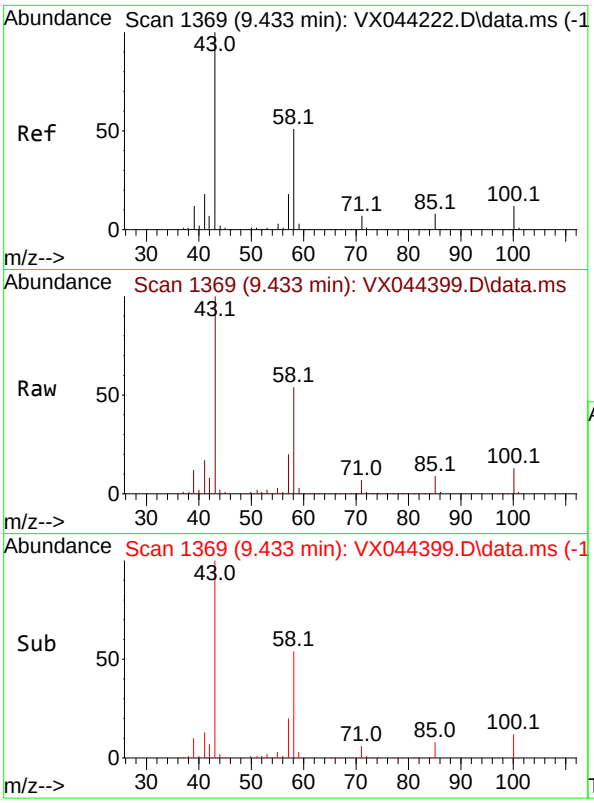




#58
2-Chloroethyl Vinyl ether
Concen: 99.300 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 63 Resp: 124927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.5 | 22.8 | 34.2 |



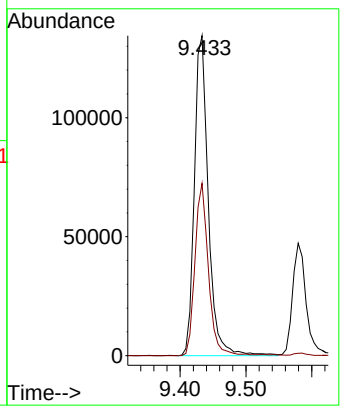


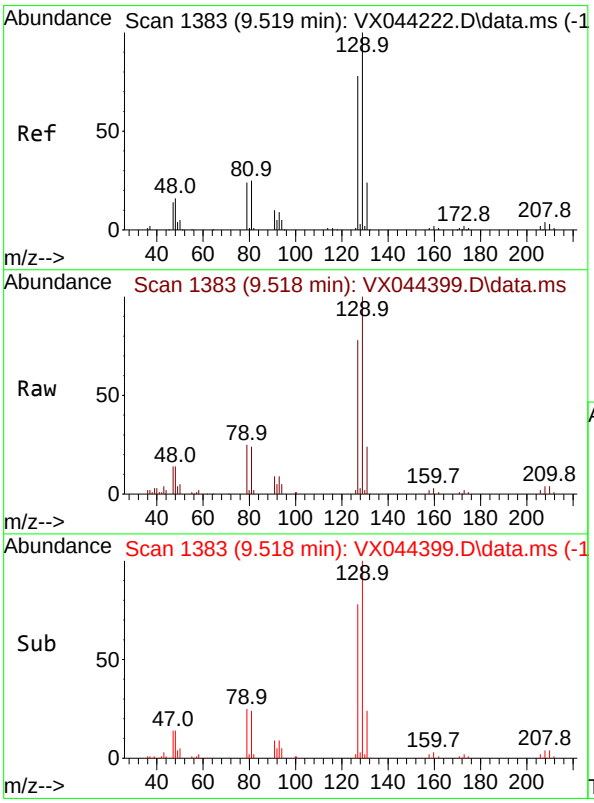

#59
2-Hexanone
Concen: 105.460 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 43 Resp: 197809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 25.7 | 77.0 |

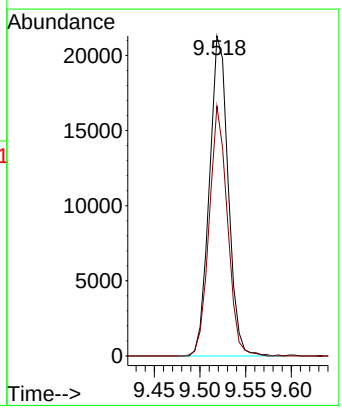


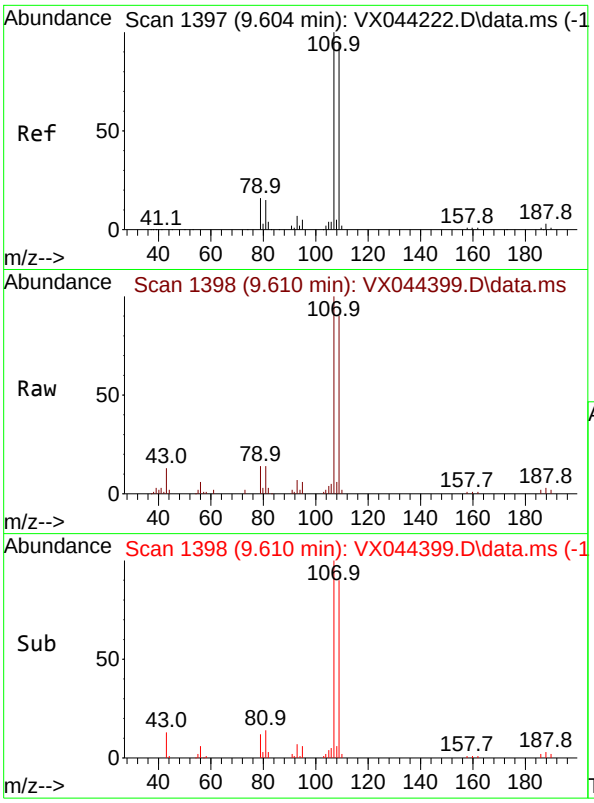




#60
Dibromochloromethane
Concen: 19.439 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:129 Resp: 30374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.7 | 38.5 | 115.3 |



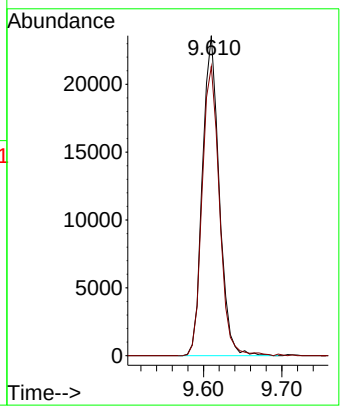


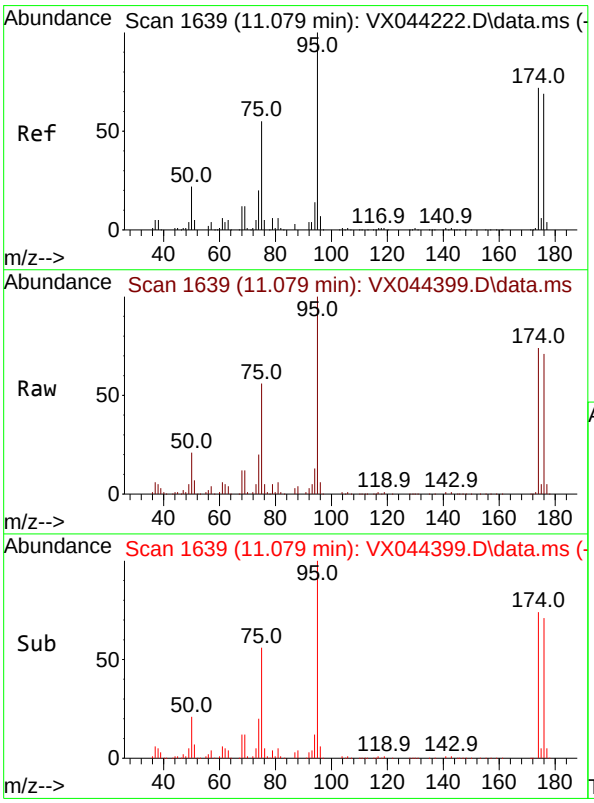

#61
1,2-Dibromoethane
Concen: 21.706 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:107 Resp: 34910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.3 | 77.0 | 115.4 |

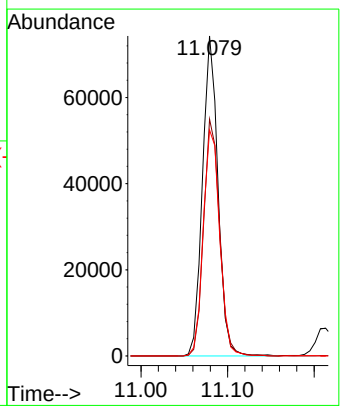


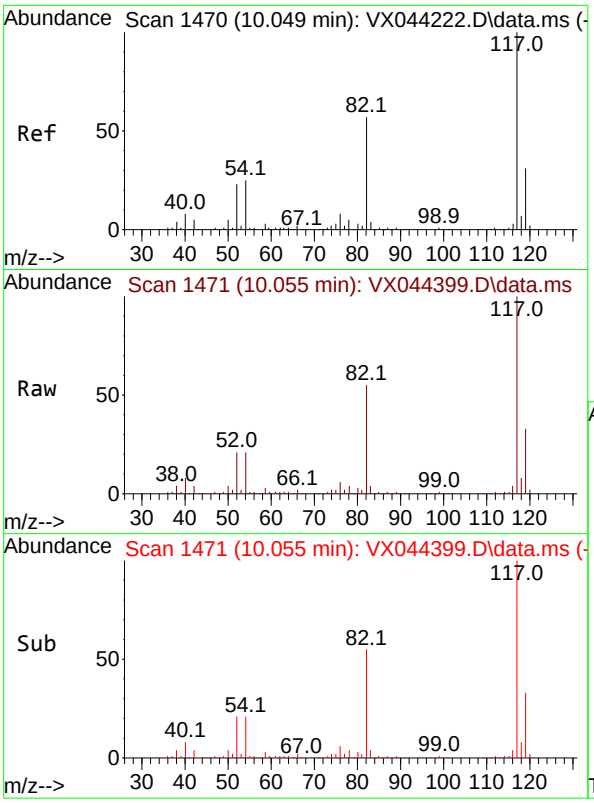




#62
4-Bromofluorobenzene
Concen: 48.522 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 95 Resp: 92307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.1 | 0.0 | 145.8 |
| 176 | 75.0 | 0.0 | 137.8 |



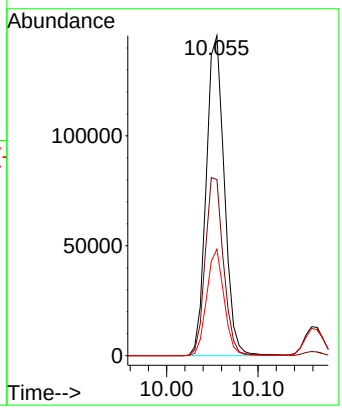


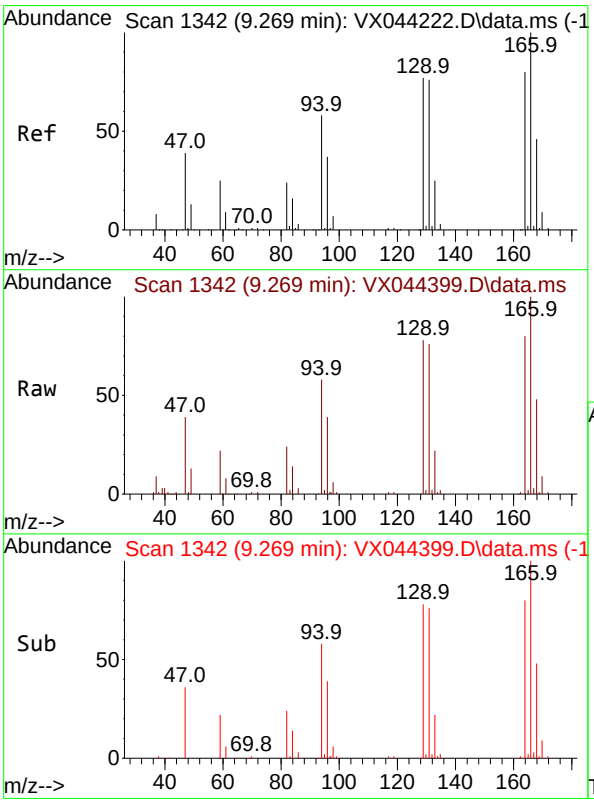

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:117 Resp: 200137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 45.8 | 68.8 |
| 119 | 33.3 | 25.0 | 37.4 |

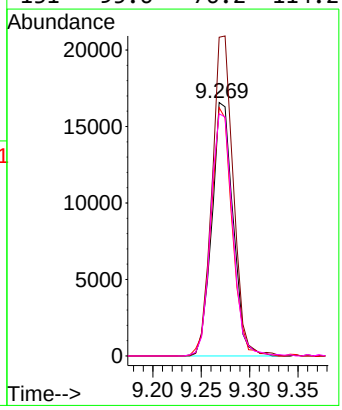


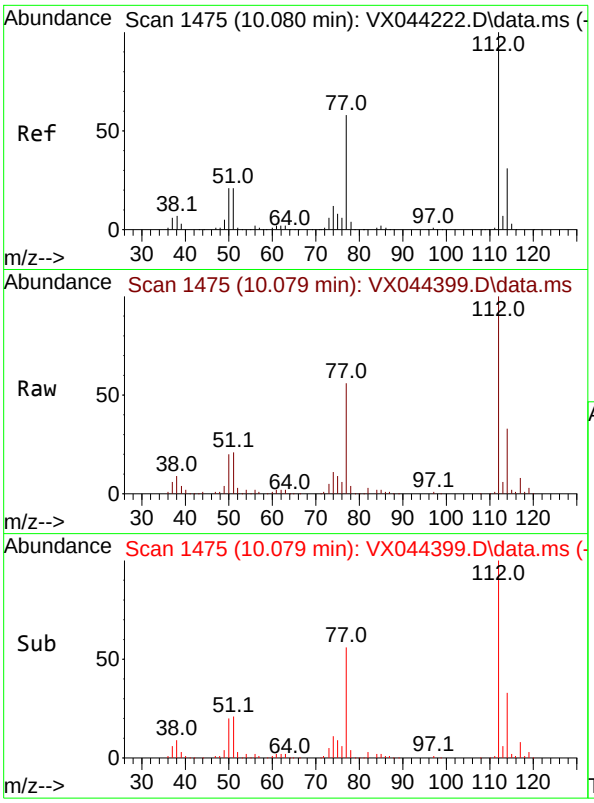




#64
Tetrachloroethene
Concen: 18.940 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:164 Resp: 25159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.7 | 100.4 | 150.6 |
| 129 | 98.0 | 77.2 | 115.8 |
| 131 | 95.6 | 76.2 | 114.2 |



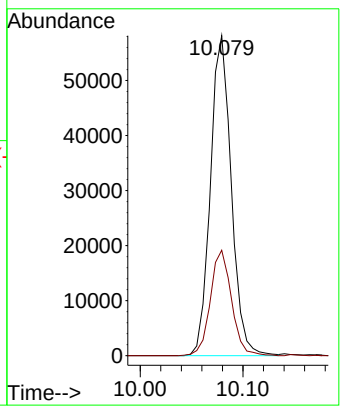


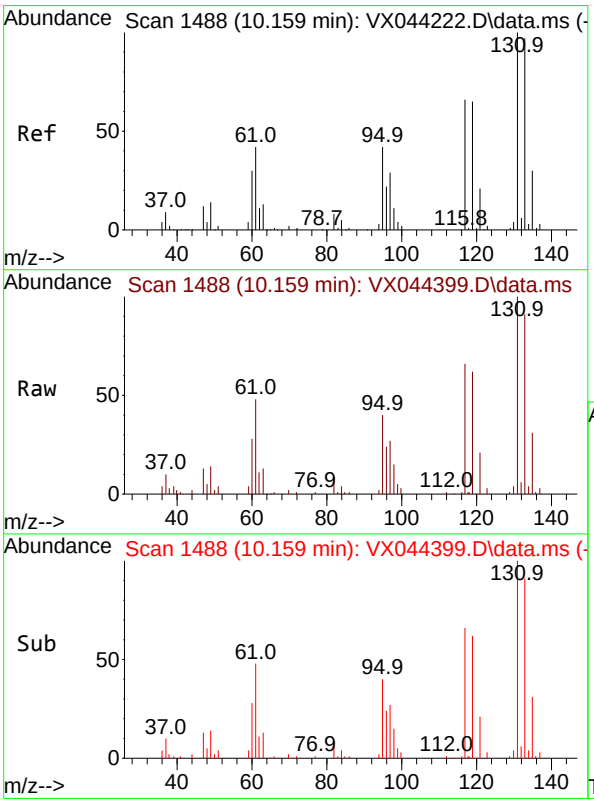

#65
Chlorobenzene
Concen: 19.115 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:112 Resp: 81973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.9 | 25.0 | 37.6 |

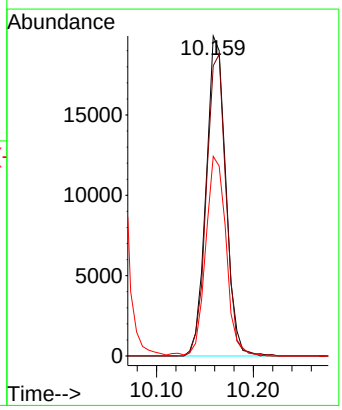


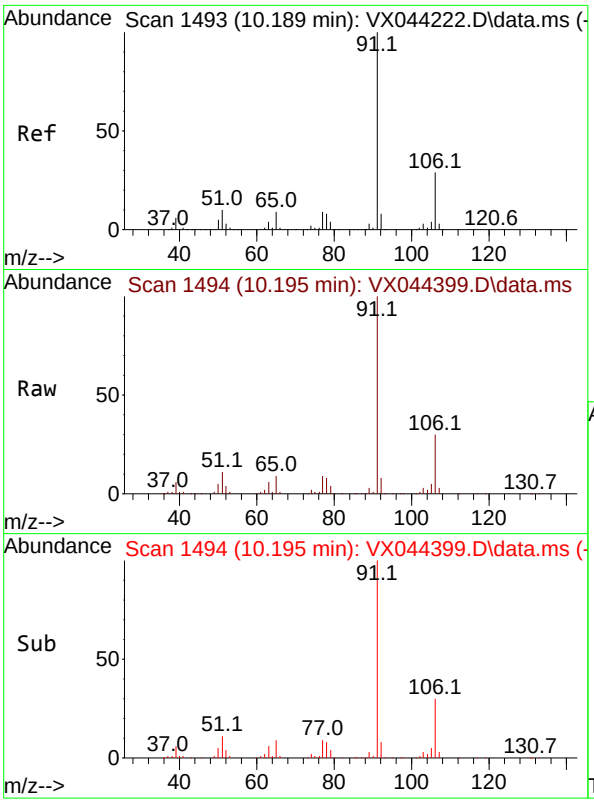




#66
1,1,1,2-Tetrachloroethane
Concen: 20.461 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:131 Resp: 28201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.0 | 47.3 | 141.8 |
| 119 | 65.0 | 31.6 | 95.0 |



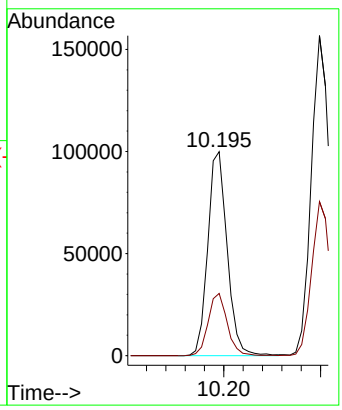


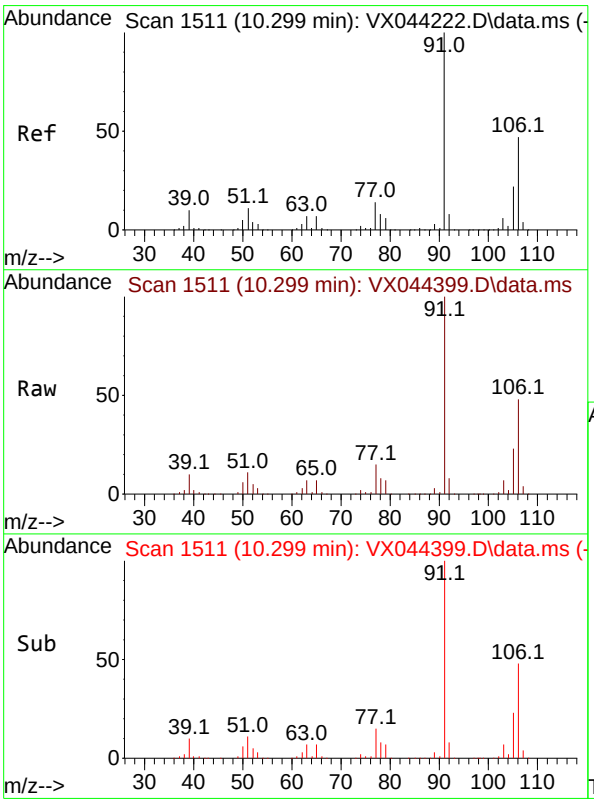

#67
Ethyl Benzene
Concen: 18.778 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 91 Resp: 139144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 23.5 | 35.3 |

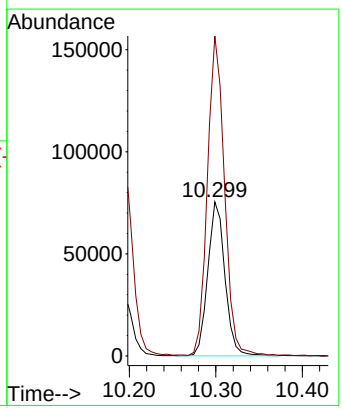


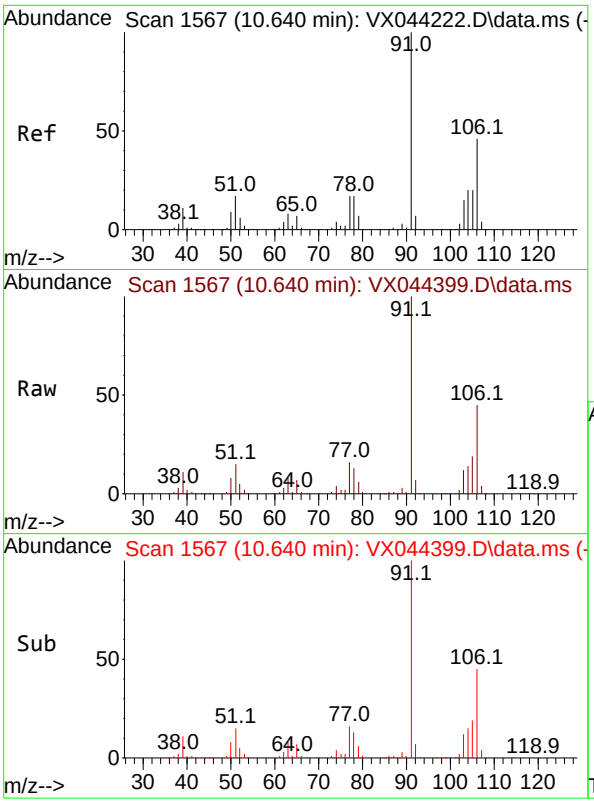




#68
m/p-Xylenes
Concen: 38.041 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:106 Resp: 103433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.3 | 170.2 | 255.2 |



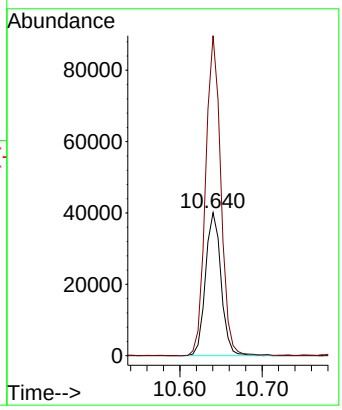


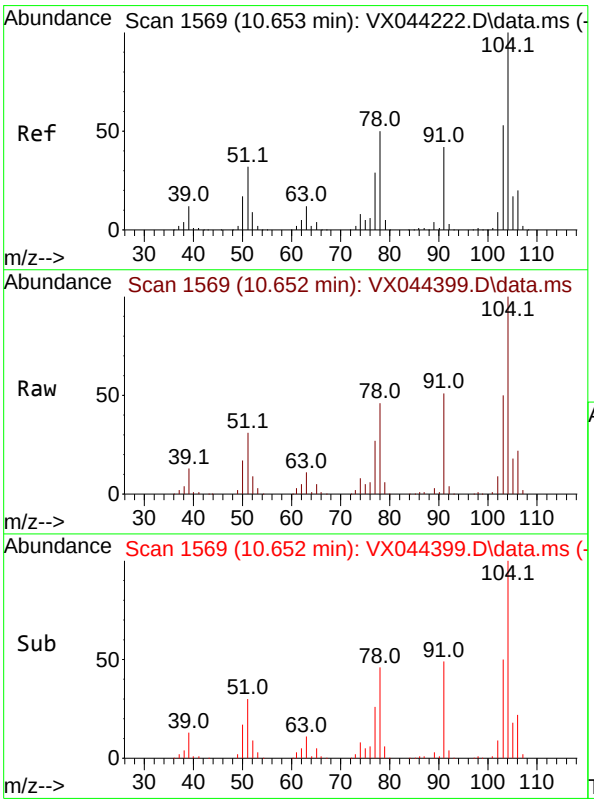

#69
o-Xylene
Concen: 19.133 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:106 Resp: 52635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.8 | 112.3 | 337.0 |

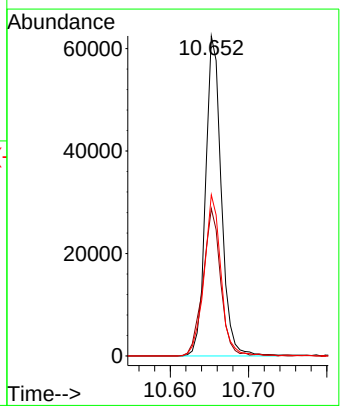


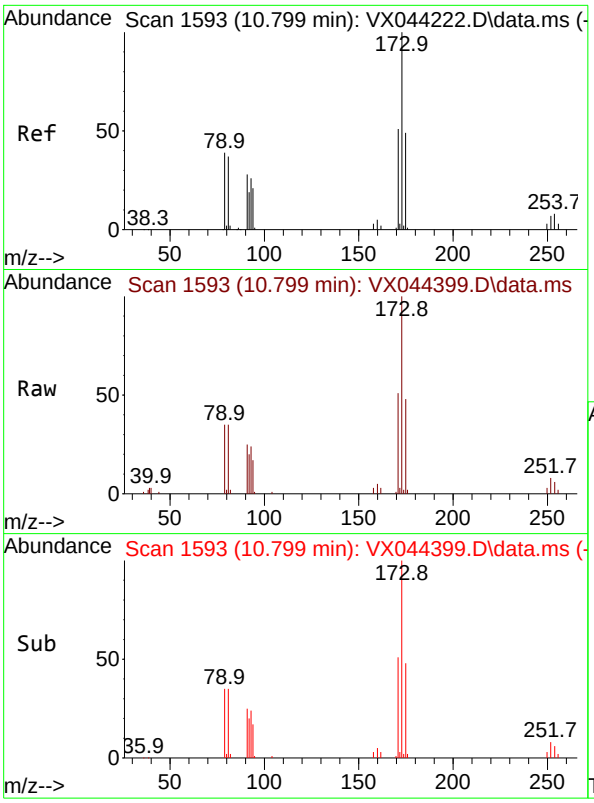




#70
Styrene
Concen: 19.740 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:104 Resp: 87058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 44.6 | 67.0 |
| 103 | 54.0 | 45.4 | 68.0 |



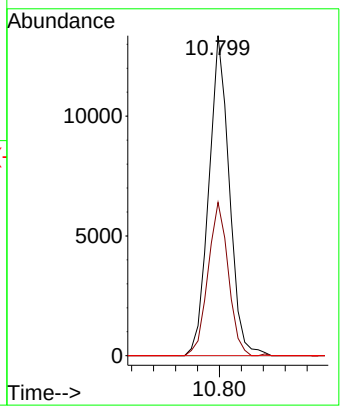


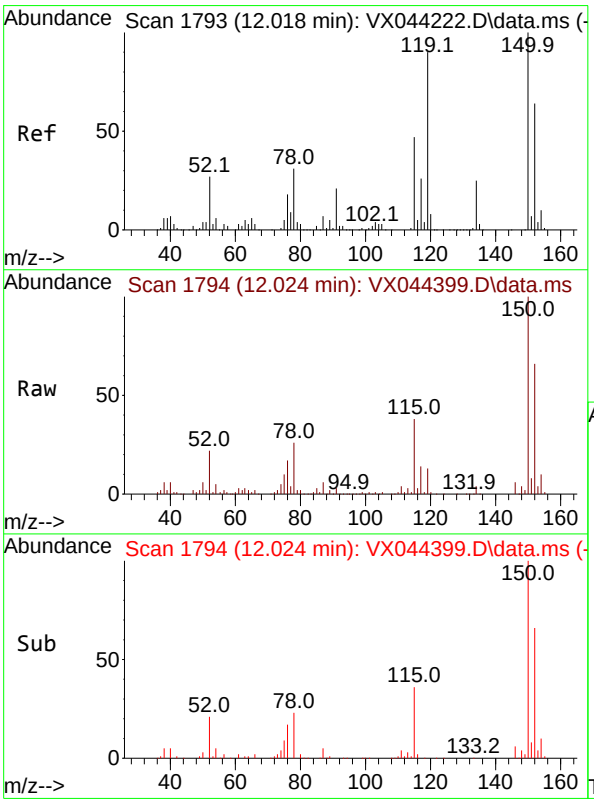

#71
Bromoform
Concen: 19.959 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:173 Resp: 17299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.5 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

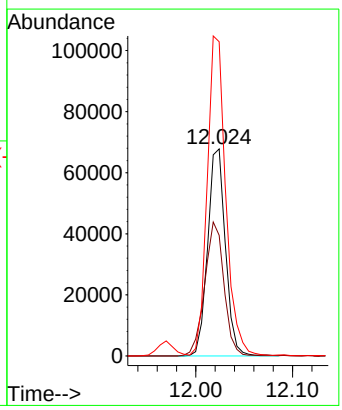


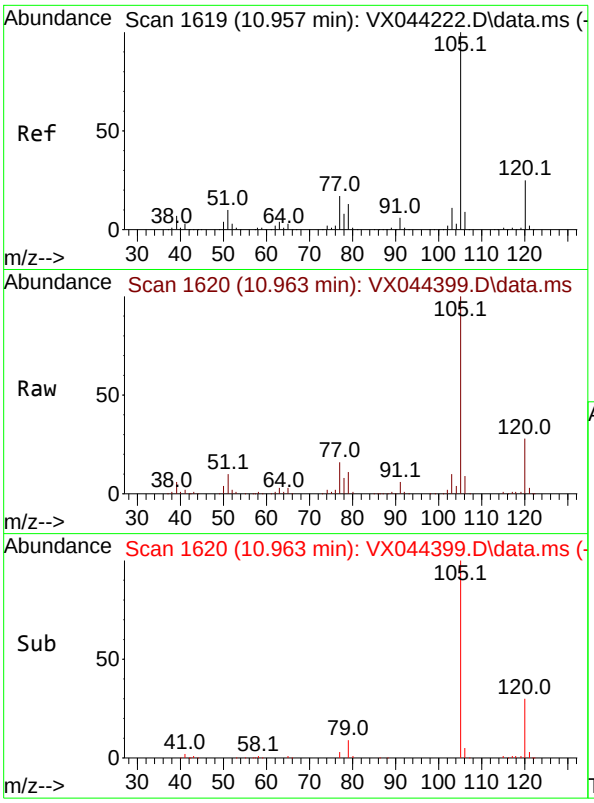




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:152 Resp: 86763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.0 | 44.5 | 133.3 |
| 150 | 160.3 | 0.0 | 353.8 |



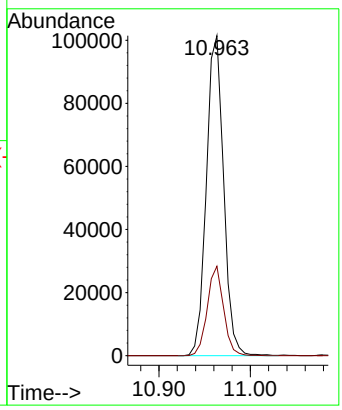


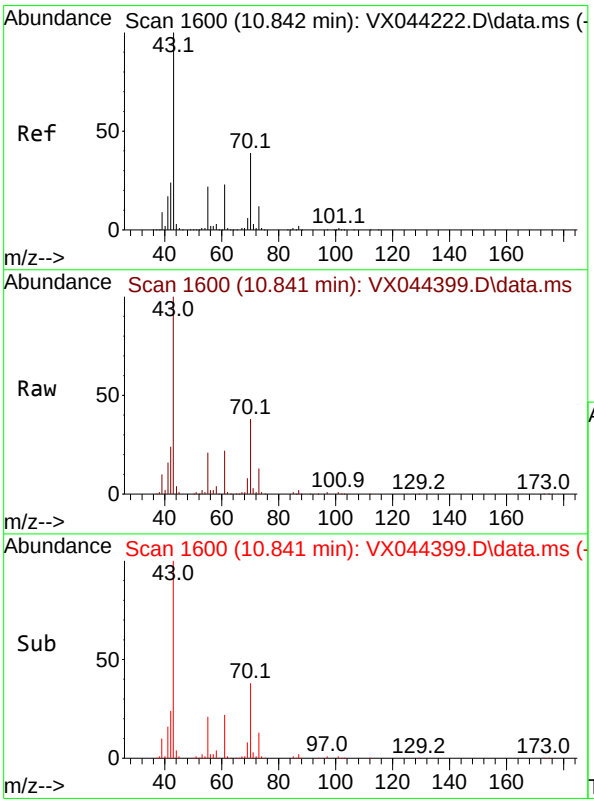

#73
Isopropylbenzene
Concen: 19.949 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:105 Resp: 132502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.1 | 39.3 |

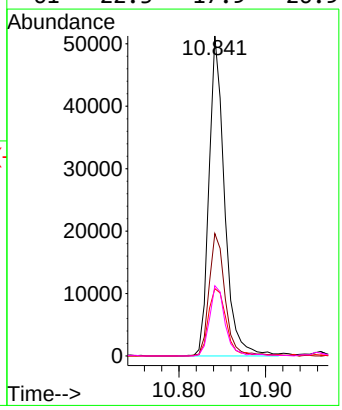


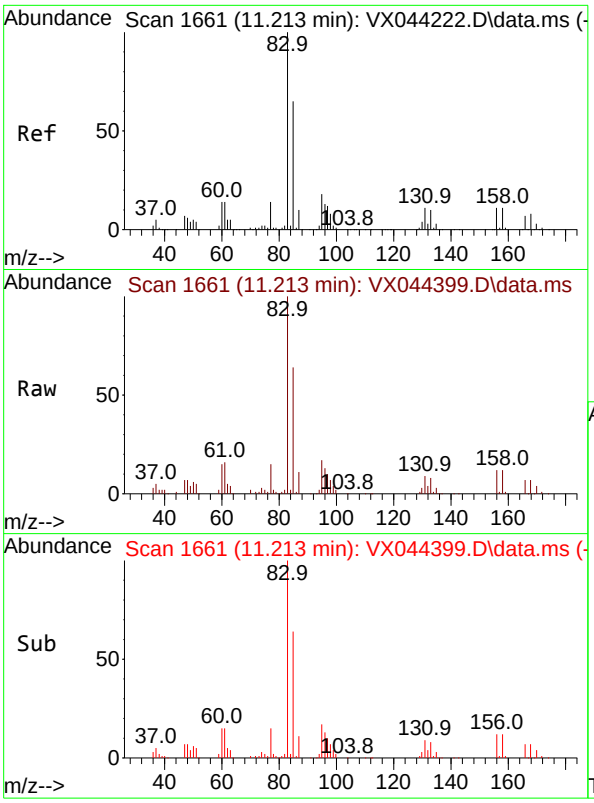




#74
N-amyl acetate
Concen: 20.909 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 43 Resp: 64183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.5 | 31.9 | 47.9 |
| 55 | 24.2 | 17.9 | 26.9 |
| 61 | 22.3 | 17.9 | 26.9 |



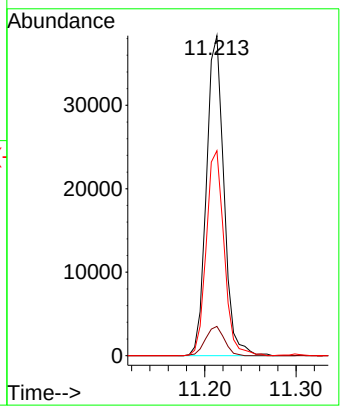


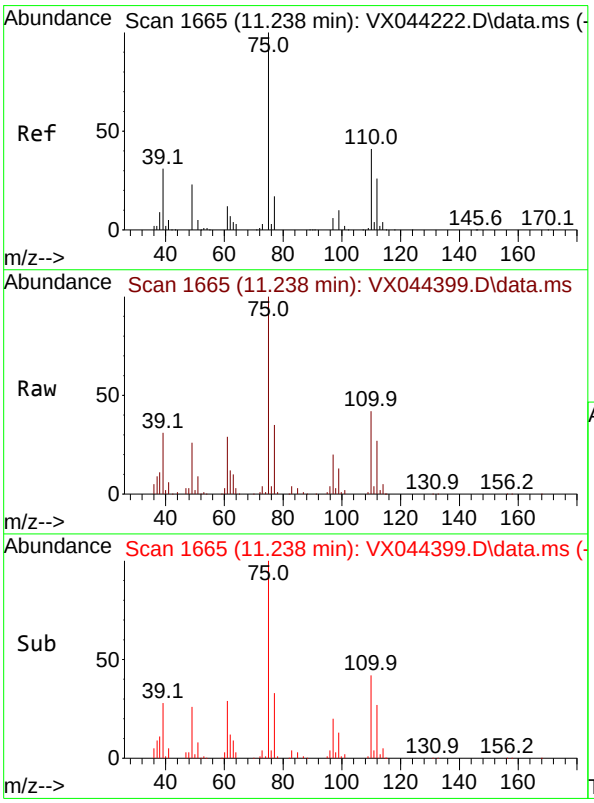

#75
1,1,2,2-Tetrachloroethane
Concen: 21.981 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 83 Resp: 50710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 65.6 | 32.5 | 97.4 |

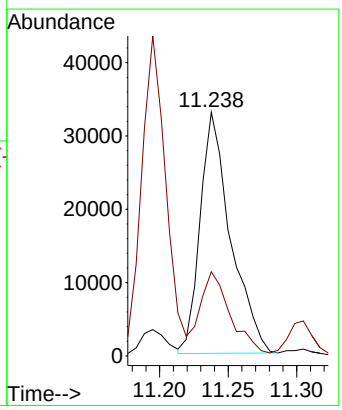


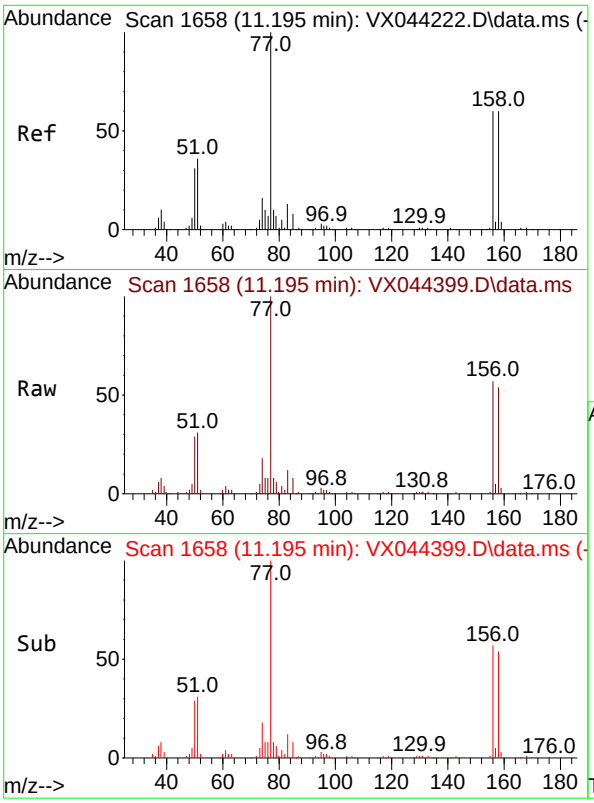




#76
1,2,3-Trichloropropane
Concen: 26.339 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 75 Resp: 51024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.2 | 20.9 | 62.7 |



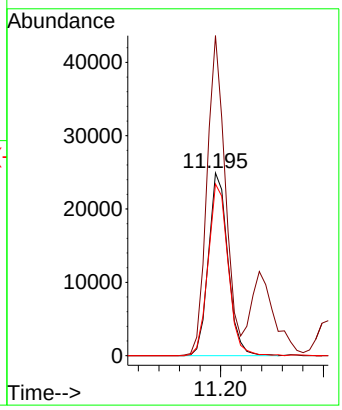


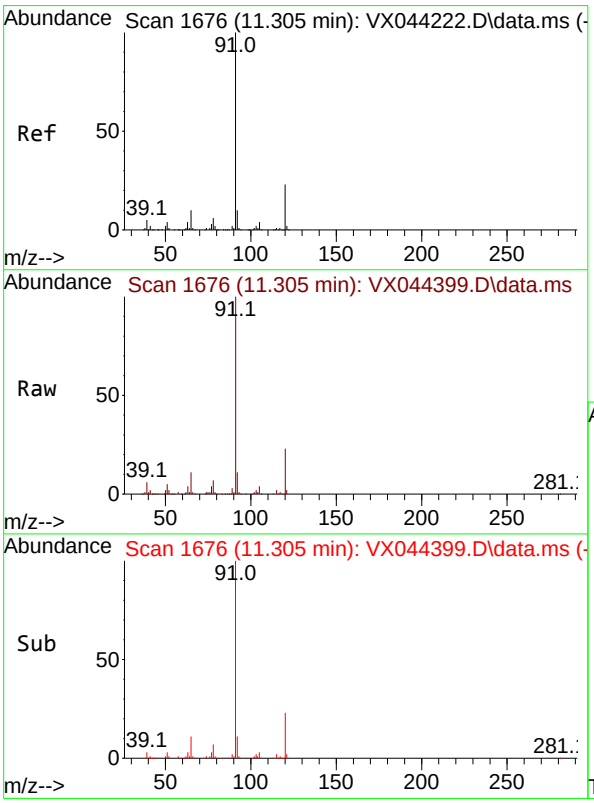

#77
Bromobenzene
Concen: 20.253 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:156 Resp: 32621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.9 | 82.6 | 247.8 |
| 158 | 96.7 | 48.8 | 146.4 |

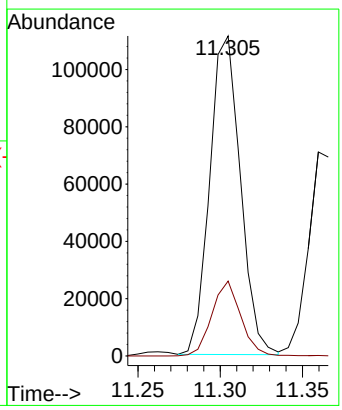


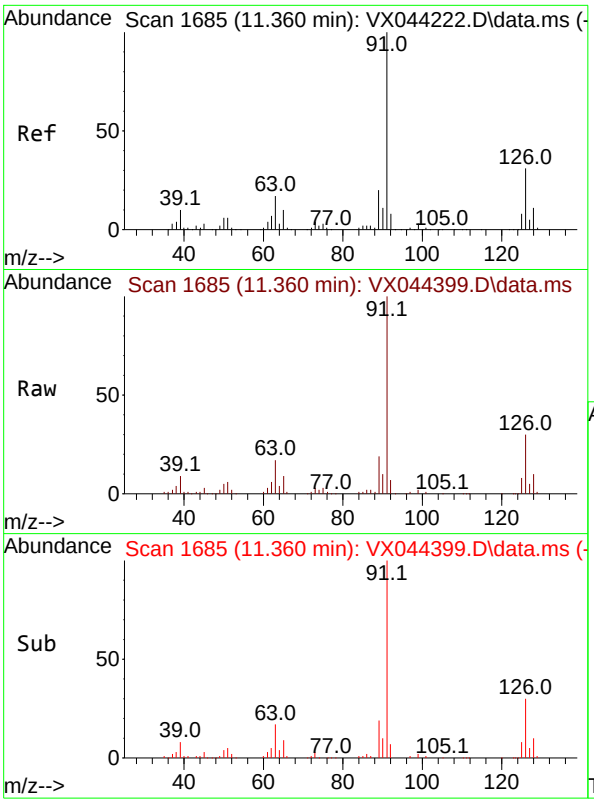




#78
n-propylbenzene
Concen: 19.640 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 91 Resp: 144182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.0 | 33.0 |



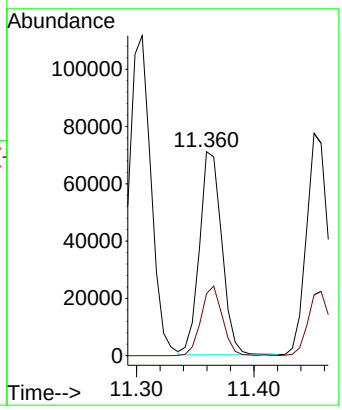


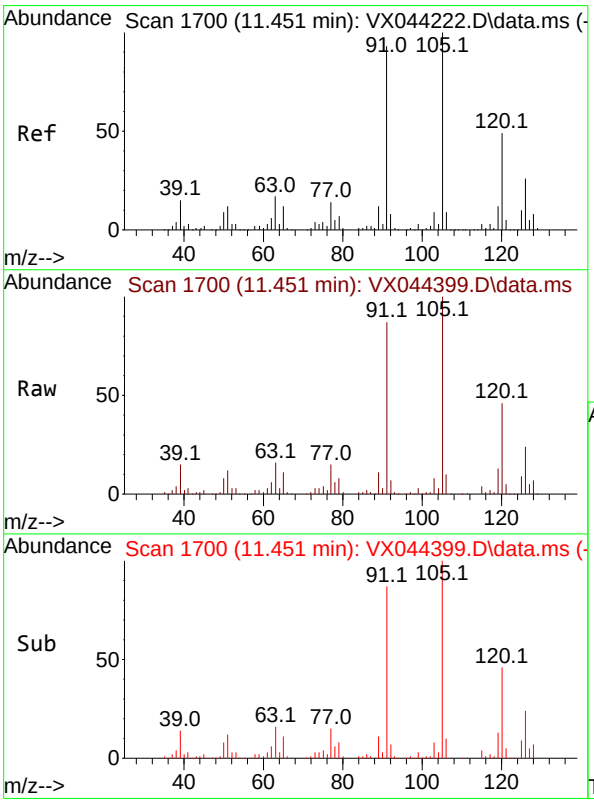

#79
2-Chlorotoluene
Concen: 19.719 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 91 Resp: 93621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.9 | 16.4 | 49.1 |

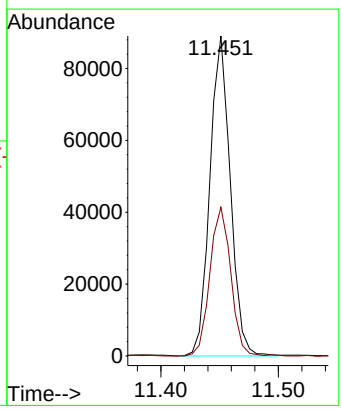


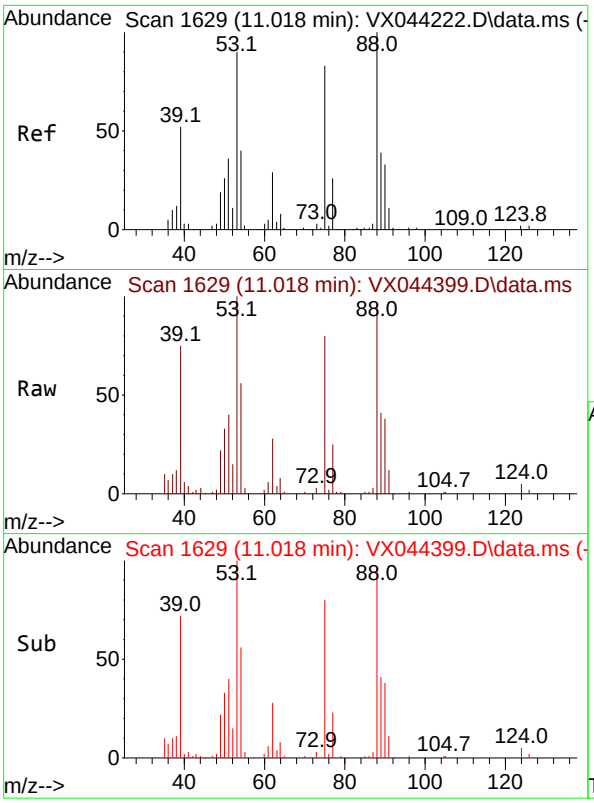




#80
1,3,5-Trimethylbenzene
Concen: 19.549 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:105 Resp: 107680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 23.8 | 71.4 |



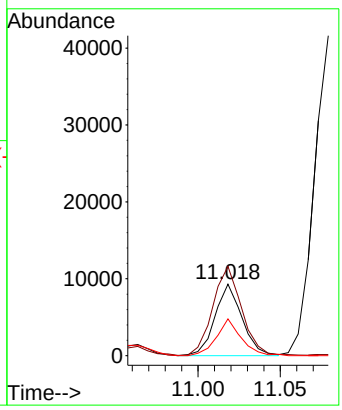


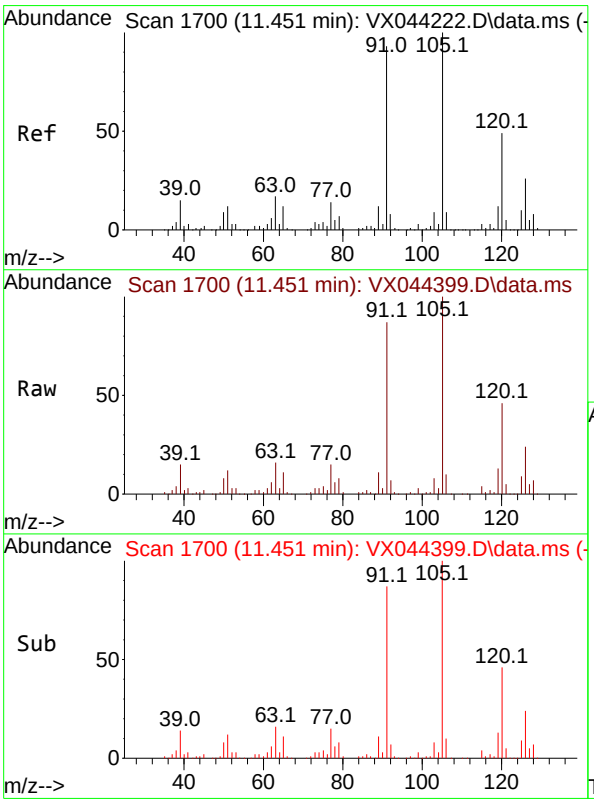

#81
trans-1,4-Dichloro-2-butene
Concen: 19.586 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 75 Resp: 10659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 131.7 | 93.6 | 140.4 |
| 89 | 47.0 | 37.3 | 55.9 |

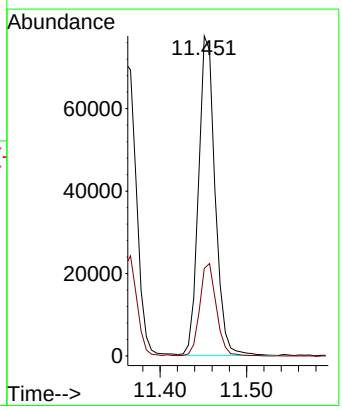


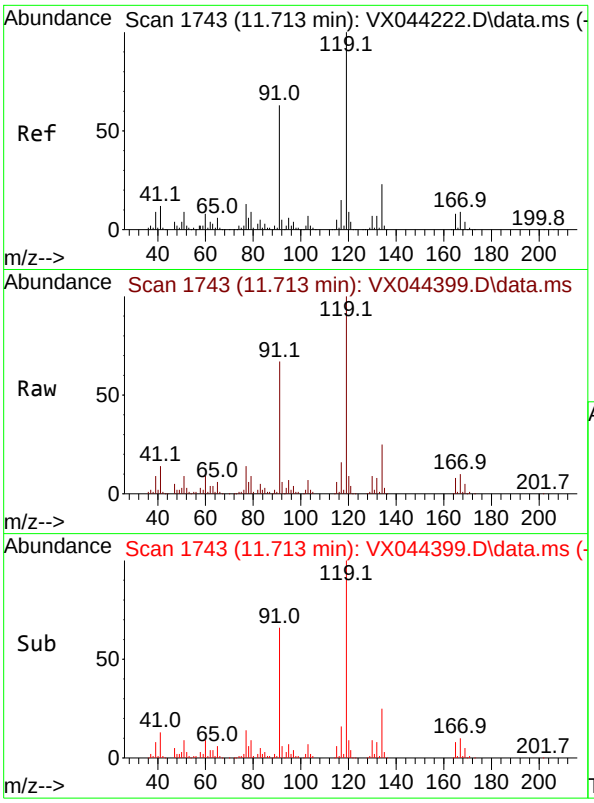




#82
4-Chlorotoluene
Concen: 19.553 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 91 Resp: 102797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.5 | 43.5 |



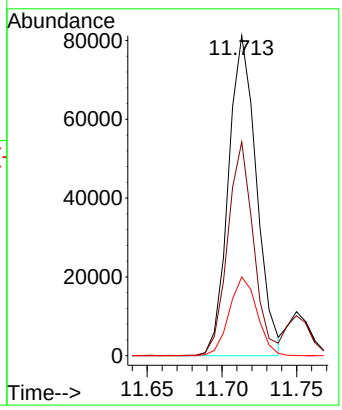


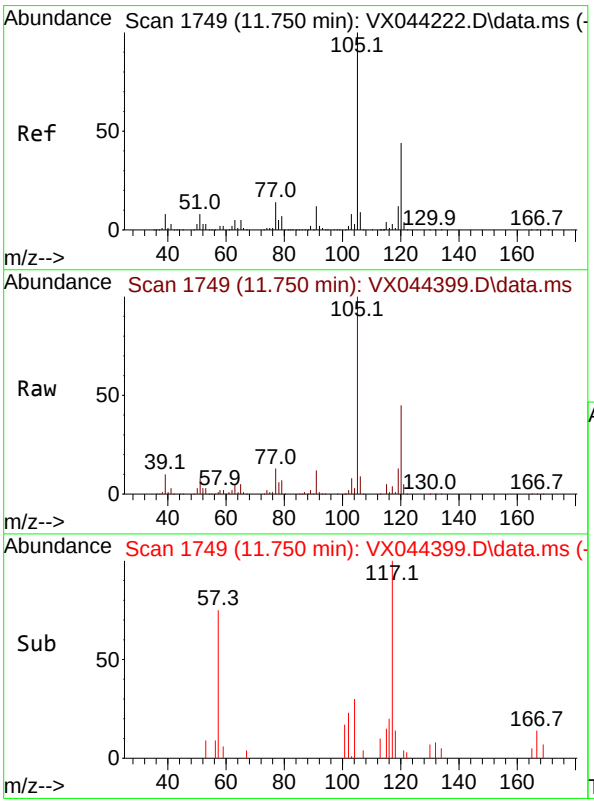

#83
tert-Butylbenzene
Concen: 19.429 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:119 Resp: 105765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.9 | 30.9 | 92.5 |
| 134 | 24.5 | 11.5 | 34.4 |

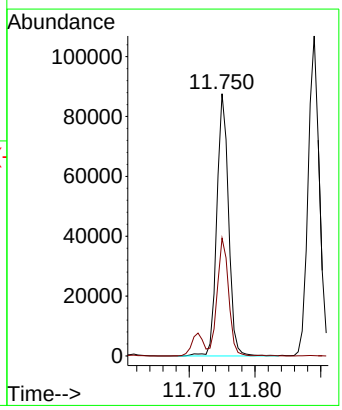


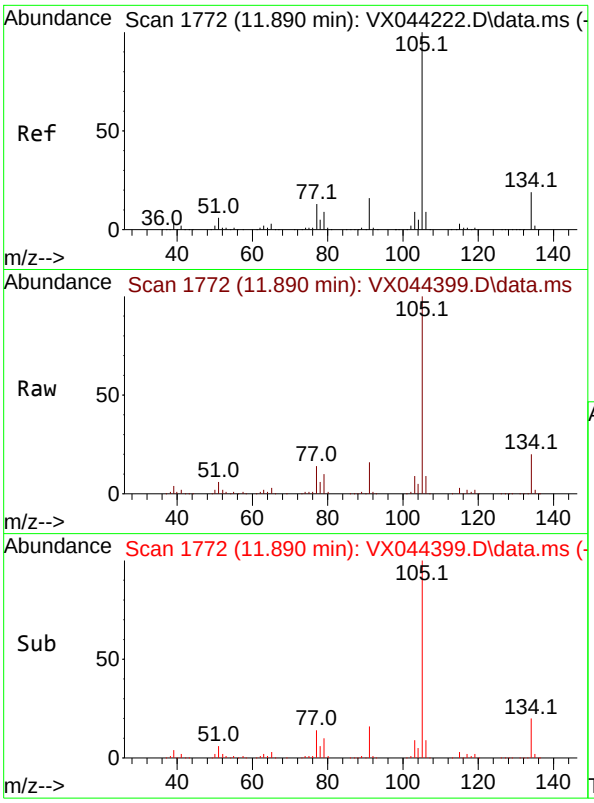




#84
1,2,4-Trimethylbenzene
Concen: 20.064 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:105 Resp: 108536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.7 | 21.7 | 65.1 |



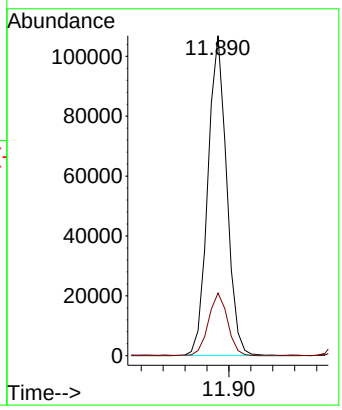


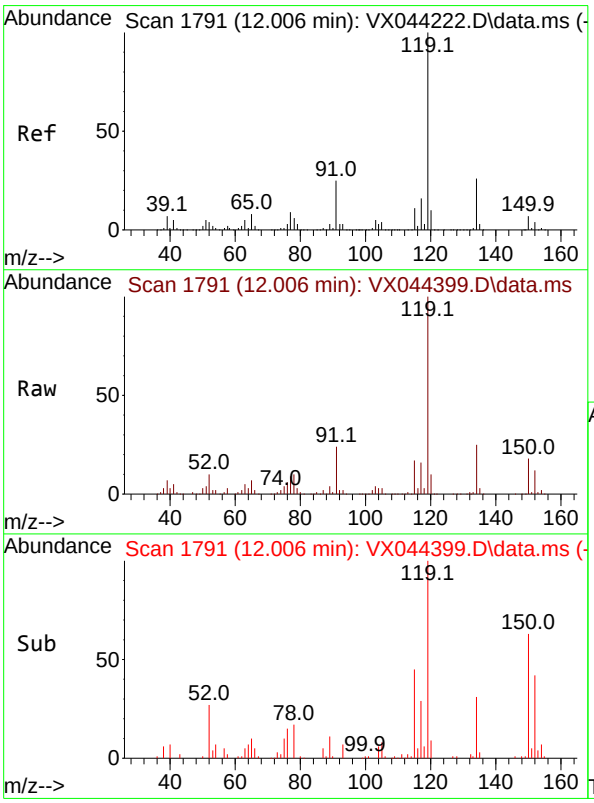

#85
sec-Butylbenzene
Concen: 19.191 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:105 Resp: 126820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.8 | 29.4 |

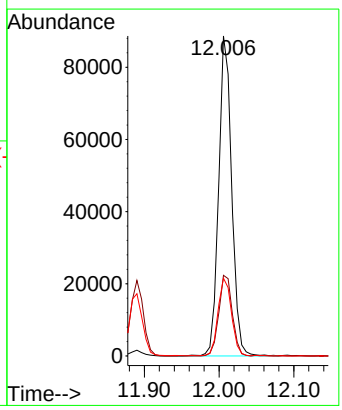


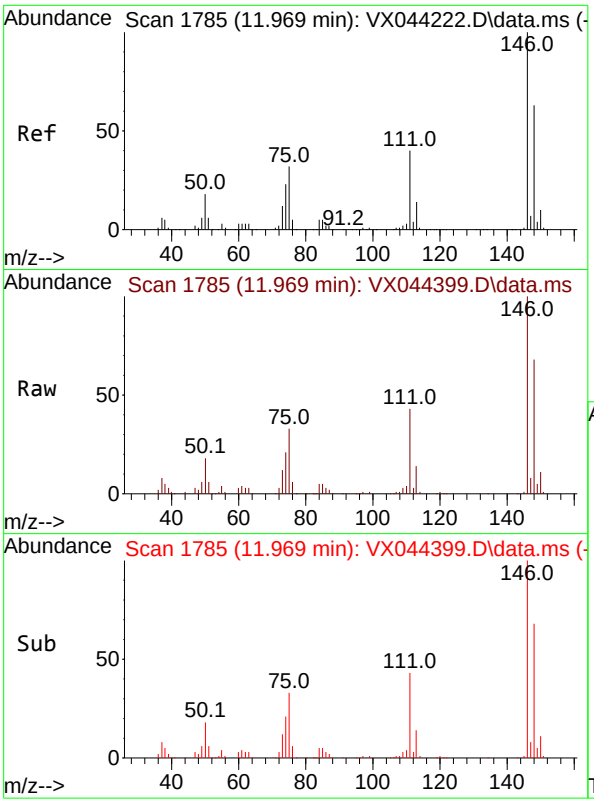




#86
p-Isopropyltoluene
Concen: 19.498 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:119 Resp: 107246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 12.8 | 38.4 |
| 91 | 25.0 | 13.0 | 39.0 |



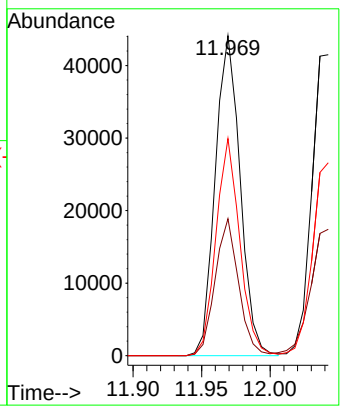


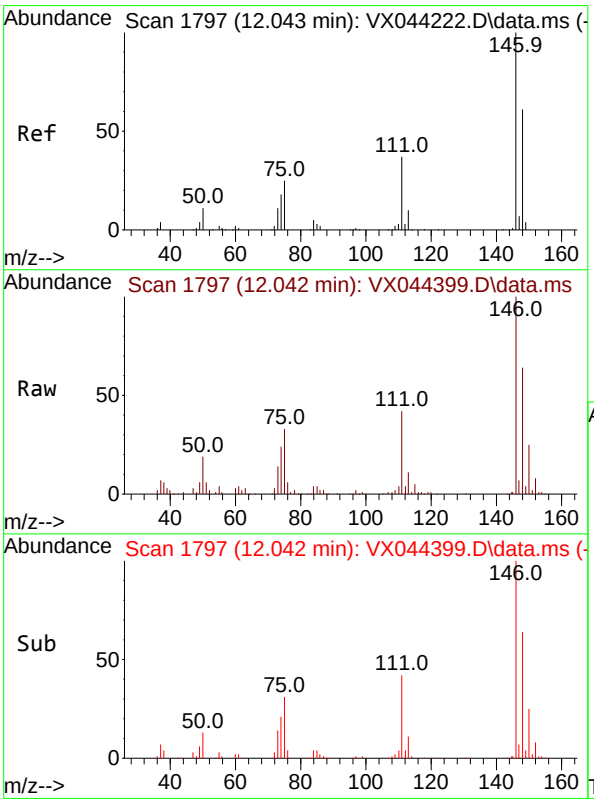

#87
1,3-Dichlorobenzene
Concen: 19.801 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:146 Resp: 55710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 21.4 | 64.2 |
| 148 | 65.1 | 31.7 | 95.1 |

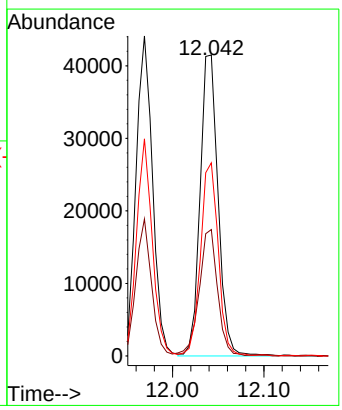


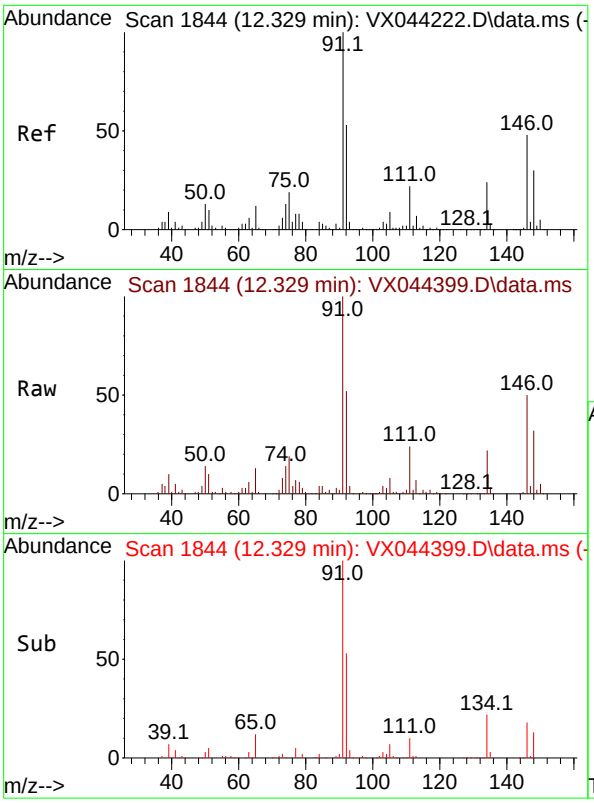




#88
1,4-Dichlorobenzene
Concen: 19.579 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:146 Resp: 56626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.0 | 63.0 |
| 148 | 62.7 | 32.3 | 96.8 |



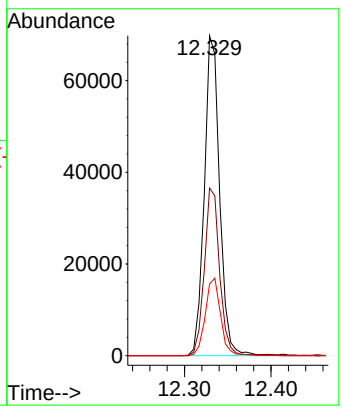


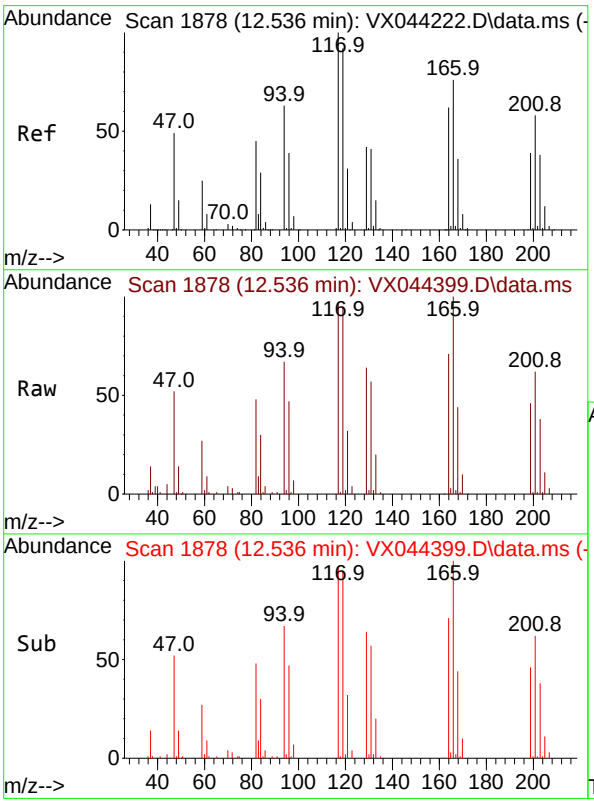

#89
n-Butylbenzene
Concen: 18.548 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion: 91 Resp: 85786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 26.6 | 79.7 |
| 134 | 24.2 | 12.6 | 37.8 |

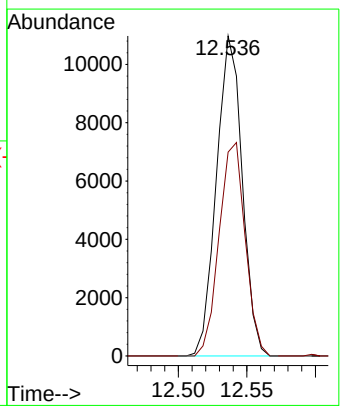


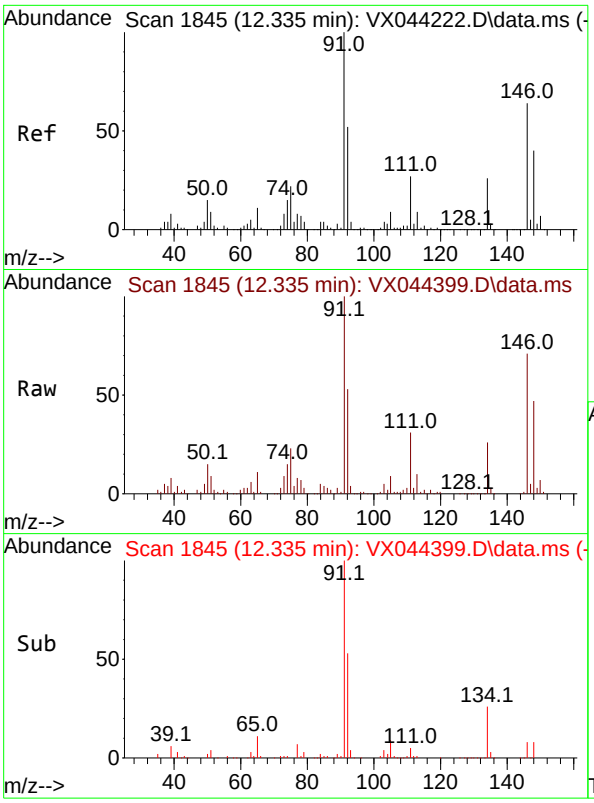




#90
Hexachloroethane
Concen: 17.859 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:117 Resp: 14339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.7 | 31.4 | 94.2 |



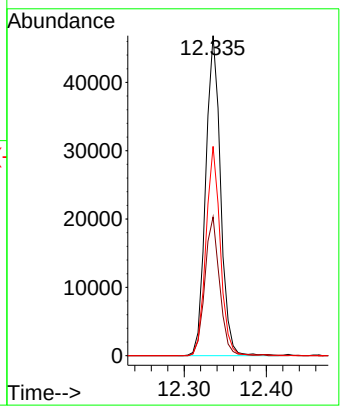


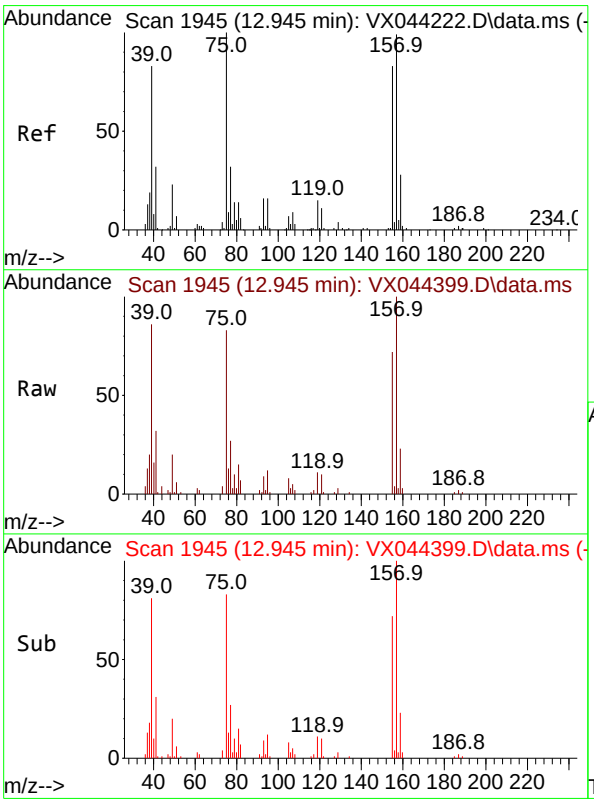

#91
1,2-Dichlorobenzene
Concen: 20.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:146 Resp: 58637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.4 | 64.3 |
| 148 | 63.1 | 31.6 | 95.0 |

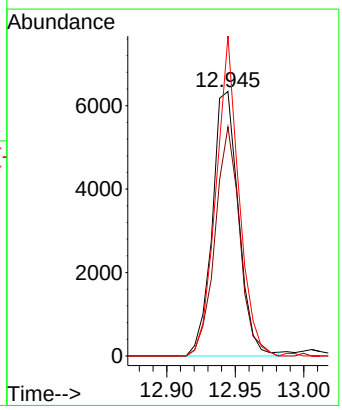


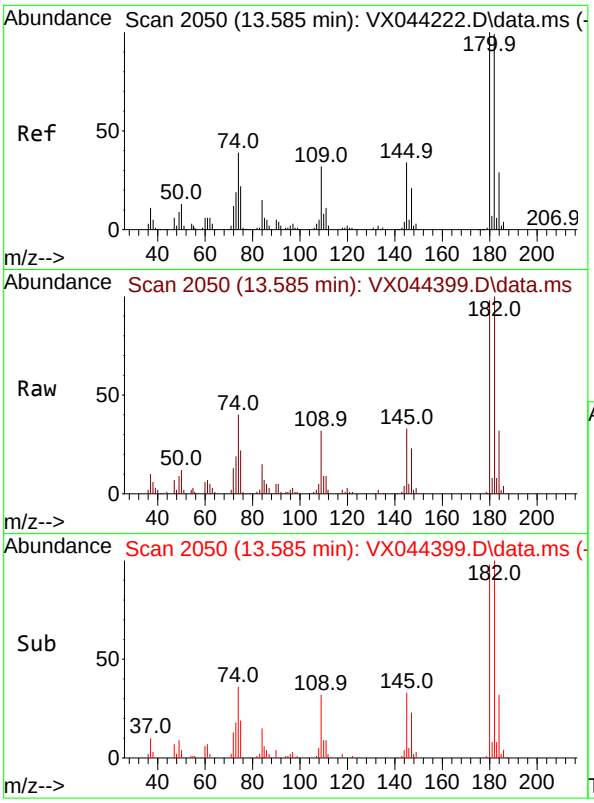




#92
1,2-Dibromo-3-Chloropropane
Concen: 18.864 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion: 75 Resp: 8448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.2 | 38.1 | 114.3 |
| 157 | 105.4 | 47.2 | 141.6 |



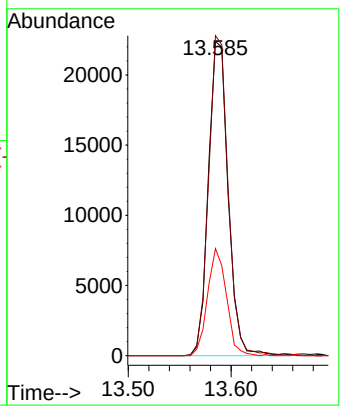


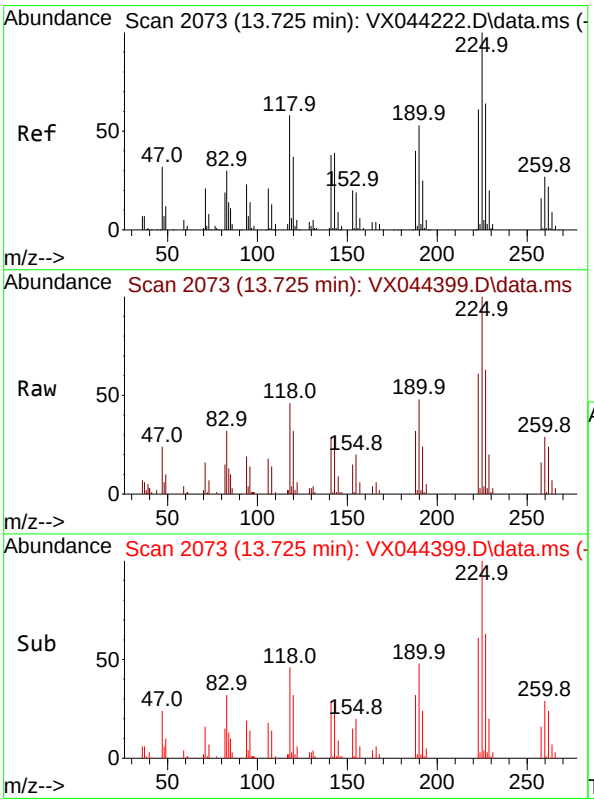

#93
1,2,4-Trichlorobenzene
Concen: 18.663 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:180 Resp: 29891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 100.7 | 48.0 | 144.2 |
| 145 | 32.7 | 16.6 | 49.7 |

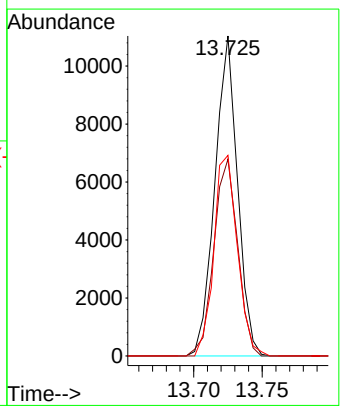


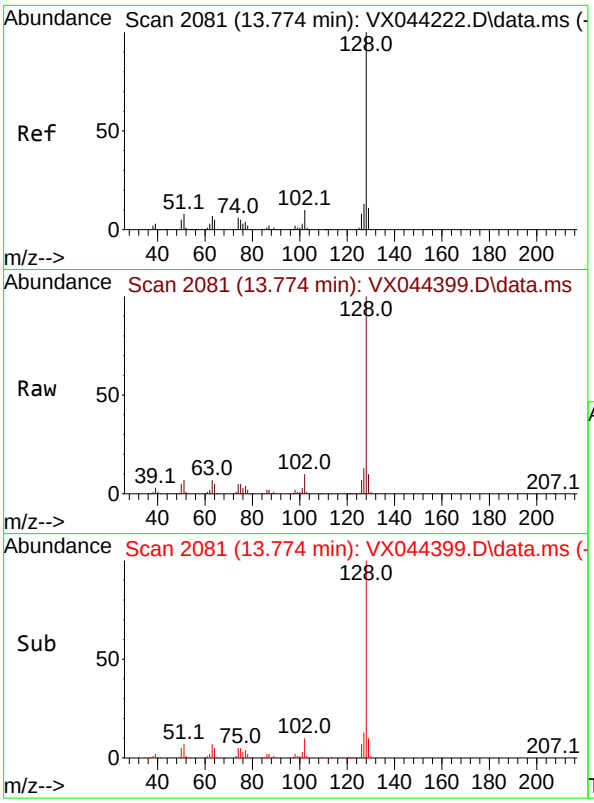




#94
Hexachlorobutadiene
Concen: 19.666 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:225 Resp: 12669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.7 | 30.8 | 92.4 |
| 227 | 65.3 | 32.1 | 96.3 |



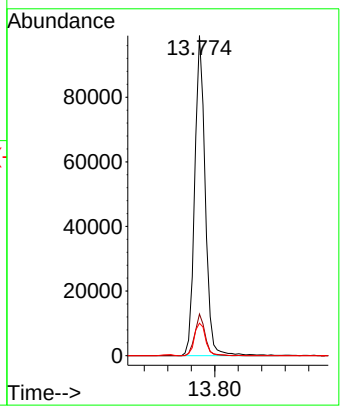


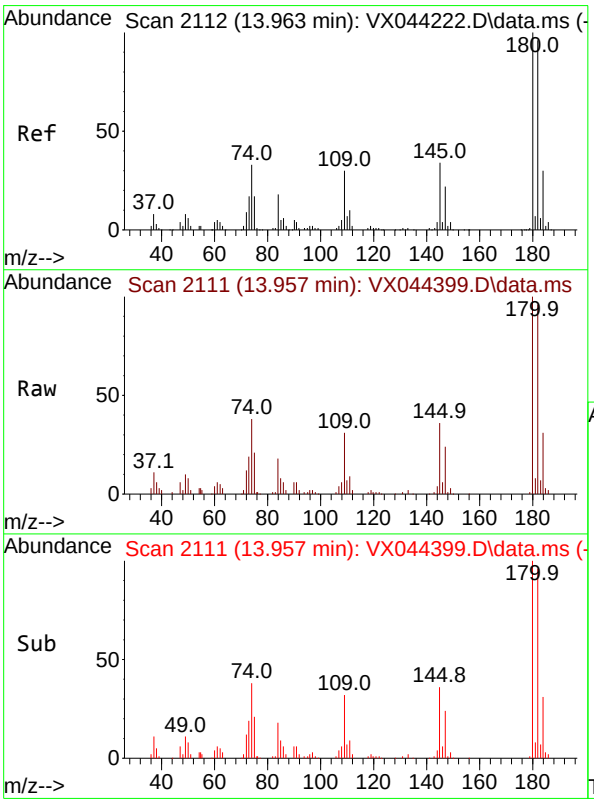

#95
Naphthalene
Concen: 19.638 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1218WBS02

Tgt Ion:128 Resp: 122767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 11.0 | 9.0 | 13.4 |

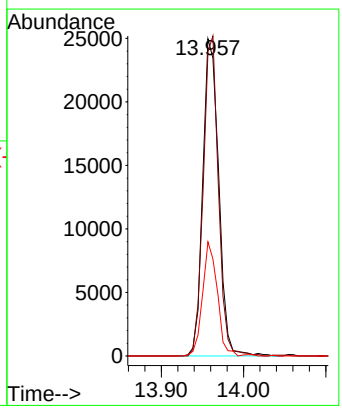



#96
1,2,3-Trichlorobenzene
Concen: 19.819 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044399.D
Acq: 18 Dec 2024 23:22

Tgt Ion:180 Resp: 33666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 48.0 | 144.0 |
| 145 | 33.3 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044401.D
Acq On : 19 Dec 2024 00:13
Operator : JC/MD
Sample : P5317-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Quant Time: Dec 19 05:06:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 107762 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 195811 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 176405 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 72683 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 84423 | 44.682 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 89.360% | | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 64929 | 47.877 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.760% | | | | |
| 50) Toluene-d8 | 8.647 | 98 | 243041 | 53.120 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 106.240% | | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 77802 | 48.665 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.320% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 1030 | 0.618 | ug/l | | 76 |
| 3) Chloromethane | 1.301 | 50 | 366 | 0.230 | ug/l | # | 42 |
| 5) Bromomethane | 1.593 | 94 | 854 | 0.725 | ug/l | # | 72 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 658 | 0.202 | ug/l | | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 18563 | 14.116 | ug/l | | 95 |
| 11) Tert butyl alcohol | 2.941 | 59 | 960 | 3.605 | ug/l | # | 71 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 1092 | 0.904 | ug/l | | 99 |
| 13) Acrolein | 2.239 | 56 | 166 | 0.431 | ug/l | # | 64 |
| 16) Acetone | 2.386 | 43 | 1335 | 1.733 | ug/l | # | 89 |
| 17) Carbon Disulfide | 2.495 | 76 | 993 | 0.432 | ug/l | | 98 |
| 20) Methylene Chloride | 2.776 | 84 | 431 | 0.298 | ug/l | # | 67 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 282 | 0.220 | ug/l | # | 37 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 1566 | 0.620 | ug/l | # | 80 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 3021 | 1.853 | ug/l | | 80 |
| 30) Chloroform | 5.080 | 83 | 586 | 0.207 | ug/l | # | 50 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 724 | 0.307 | ug/l | # | 24 |
| 36) 1,1-Dichloropropene | 5.544 | 75 | 9659 | 5.510 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 1231 | 0.652 | ug/l | | 97 |
| 44) Trichloroethene | 7.117 | 130 | 146402 | 110.301 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.677 | 88 | 19 | 0.697 | ug/l | # | 1 |
| 52) Toluene | 8.720 | 92 | 969 | 0.290 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.159 | 97 | 559 | 0.421 | ug/l | # | 83 |
| 60) Dibromochloromethane | 9.531 | 129 | 44 | 1.263 | ug/l | # | 11 |
| 67) Ethyl Benzene | 10.201 | 91 | 1400 | 0.214 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.305 | 106 | 1159 | 0.484 | ug/l | | 99 |
| 69) o-Xylene | 10.646 | 106 | 510 | 0.210 | ug/l | | 77 |
| 76) 1,2,3-Trichloropropane | 11.079 | 75 | 43280 | 26.669 | ug/l | # | 36 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75 | 43280 | 73.473 | ug/l | # | 4 |
| 87) 1,3-Dichlorobenzene | 11.975 | 146 | 487 | 0.207 | ug/l | | 86 |
| 88) 1,4-Dichlorobenzene | 11.975 | 146 | 487 | 0.201 | ug/l | | 86 |
| 93) 1,2,4-Trichlorobenzene | 13.597 | 180 | 368 | 0.274 | ug/l | # | 76 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 112 | 0.208 | ug/l | # | 33 |
| 95) Naphthalene | 13.780 | 128 | 2273 | 0.434 | ug/l | # | 95 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 324 | 0.228 | ug/l | | 67 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044401.D
Acq On : 19 Dec 2024 00:13
Operator : JC/MD
Sample : P5317-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Quant Time: Dec 19 05:06:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

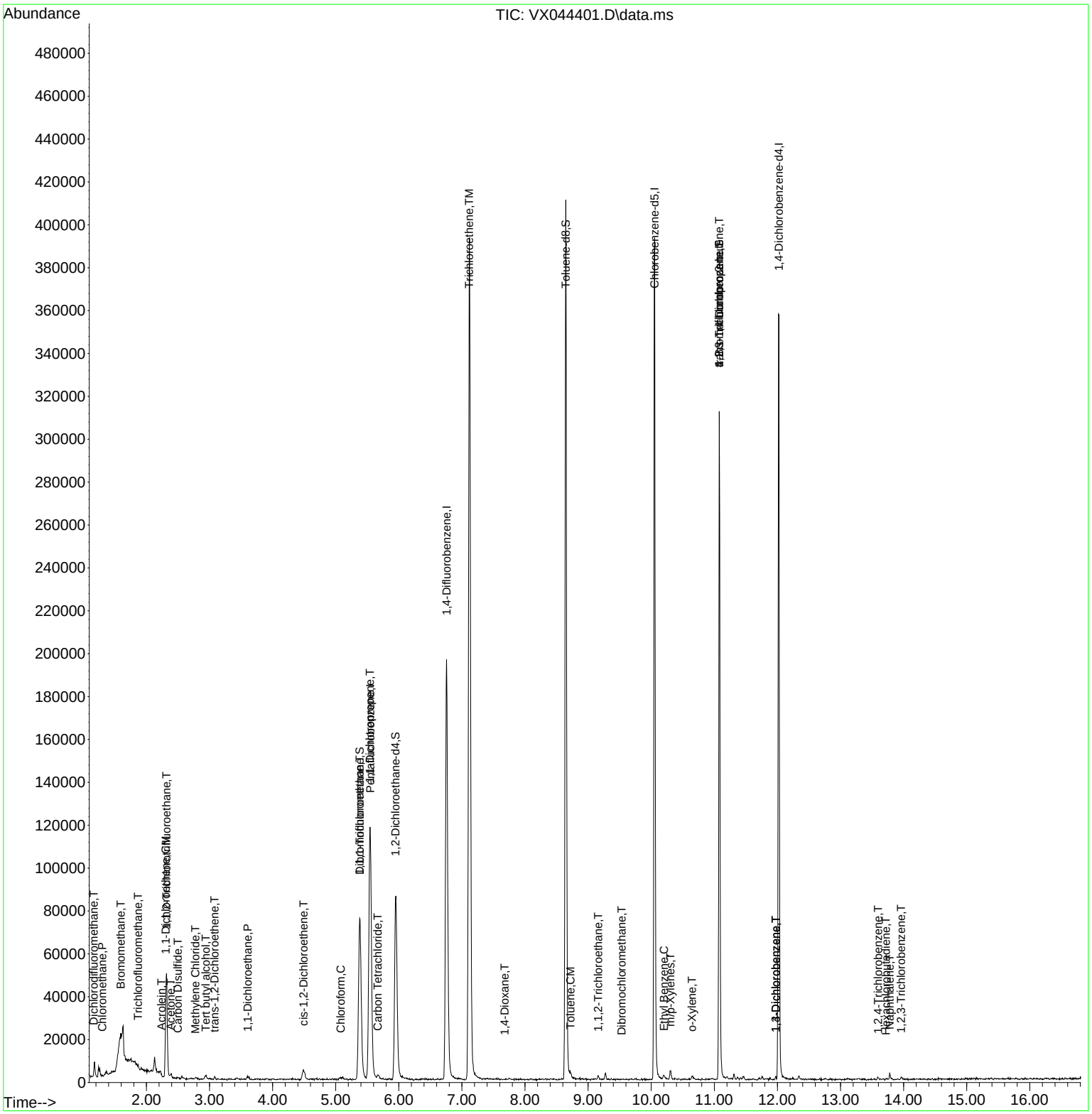
(#) = qualifier out of range (m) = manual integration (+) = signals summed

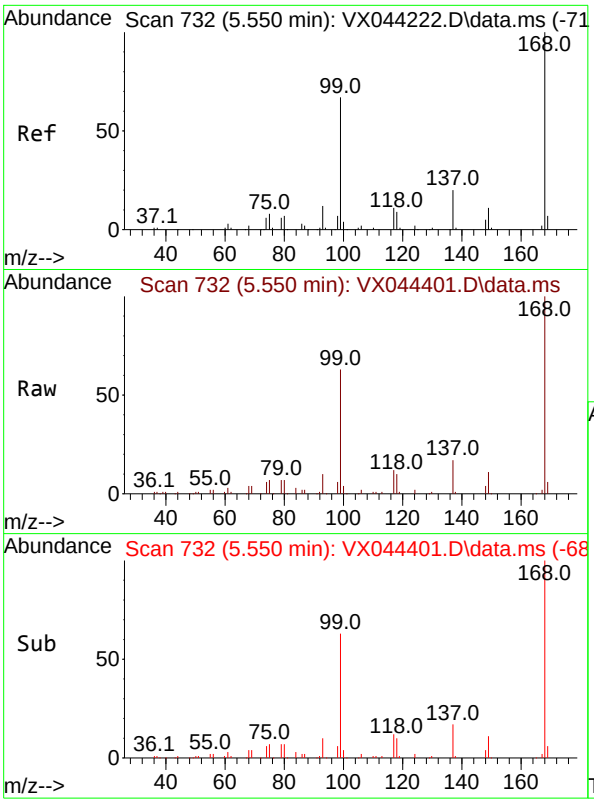
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044401.D
Acq On : 19 Dec 2024 00:13
Operator : JC/MD
Sample : P5317-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Quant Time: Dec 19 05:06:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



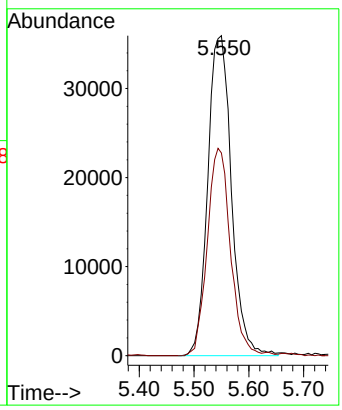


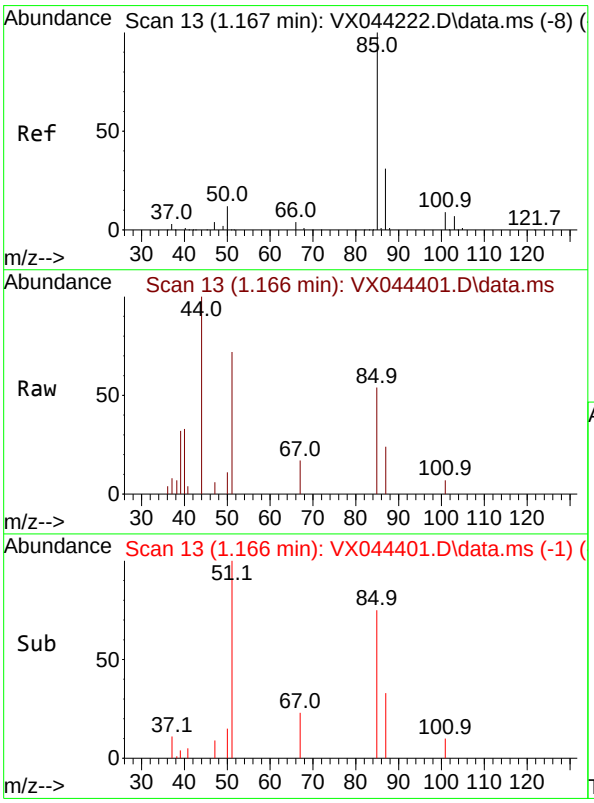

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion:168 Resp: 107762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.4 | 53.4 | 80.0 |

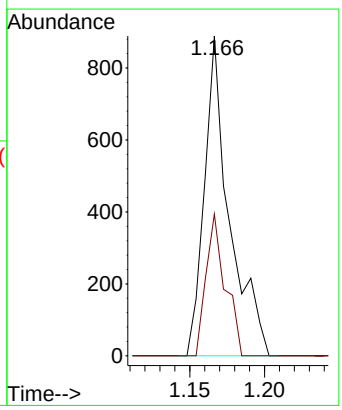


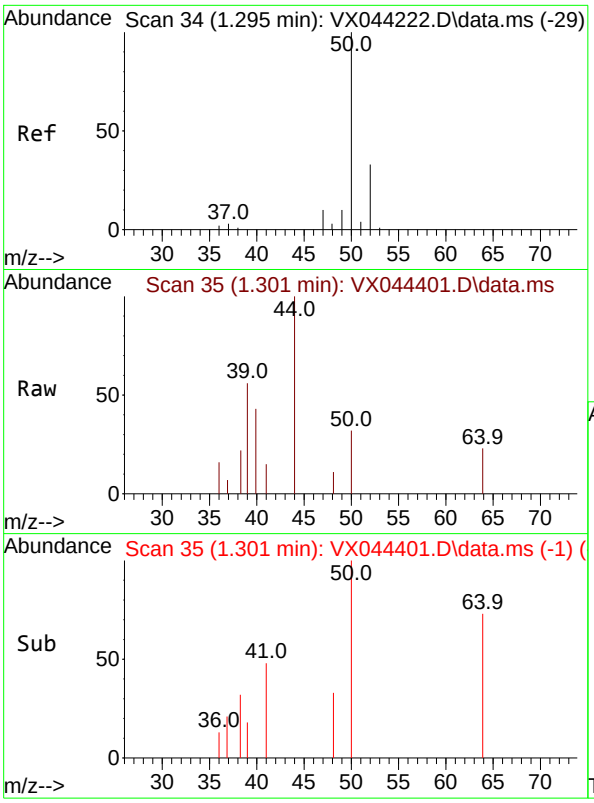




#2
Dichlorodifluoromethane
Concen: 0.618 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 85 Resp: 1030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 44.3 | 15.4 | 46.4 |



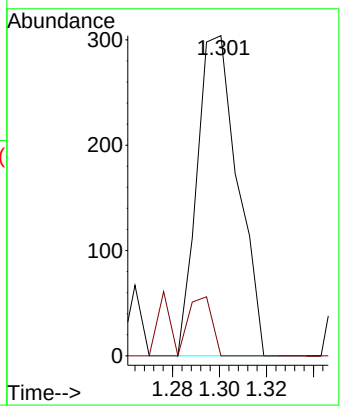


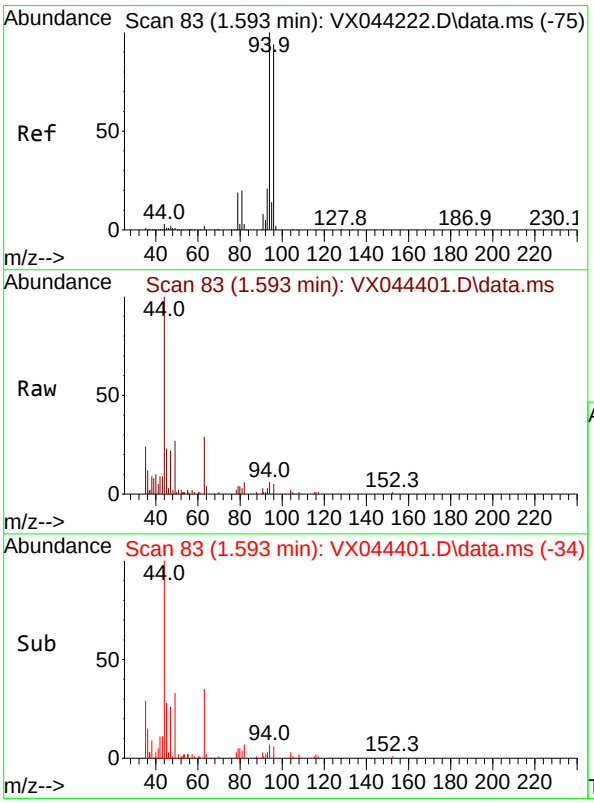

#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 50 Resp: 366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 26.5 | 39.7# |

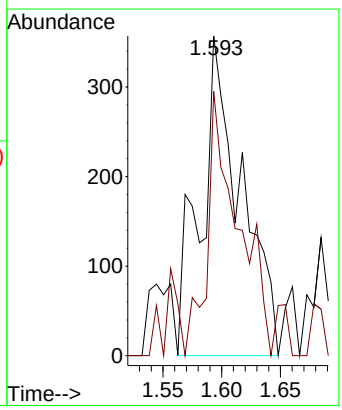


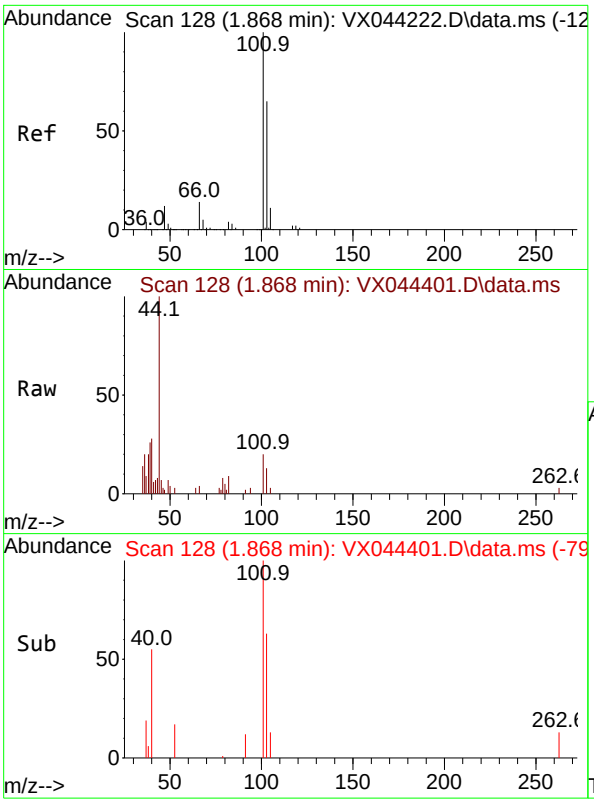




#5
Bromomethane
Concen: 0.725 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 94 Resp: 854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 66.9 | 74.9 | 112.3# |



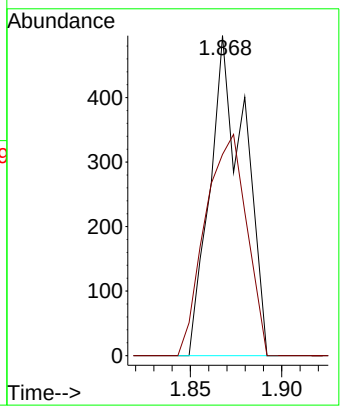


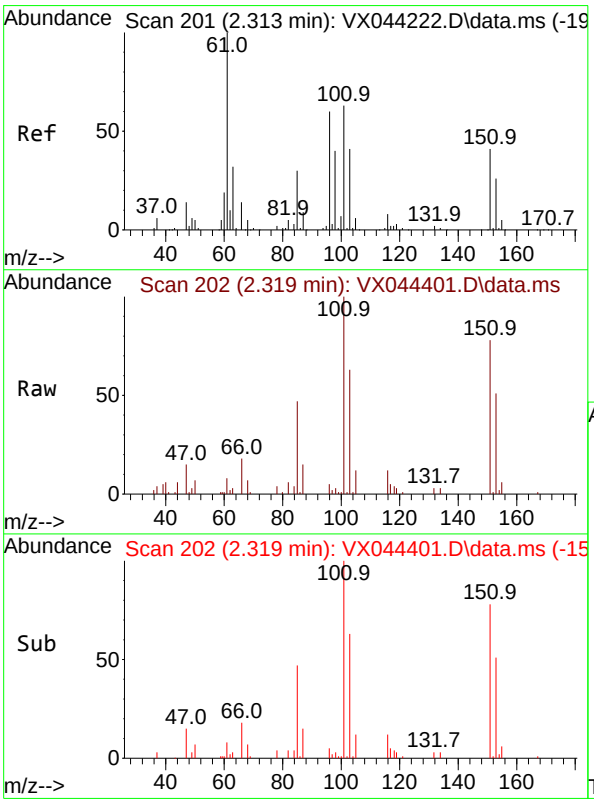

#7
Trichlorofluoromethane
Concen: 0.202 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion:101 Resp: 658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.9 | 51.8 | 77.8 |

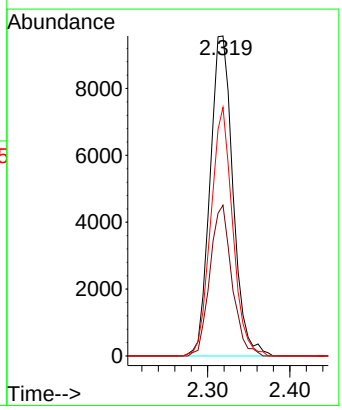


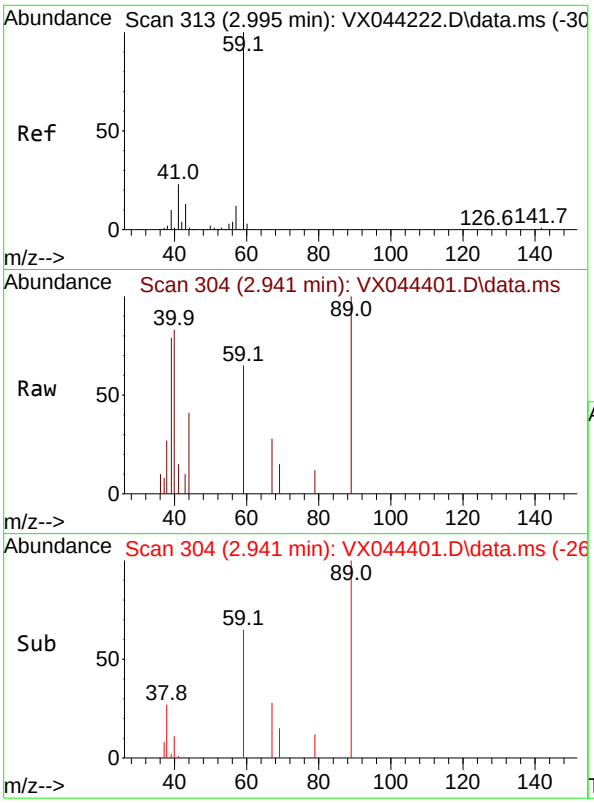




#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.116 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:101 Resp: 18563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.1 | 38.5 | 57.7 |
| 151 | 74.0 | 55.8 | 83.6 |



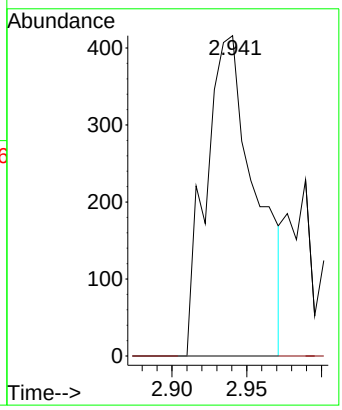


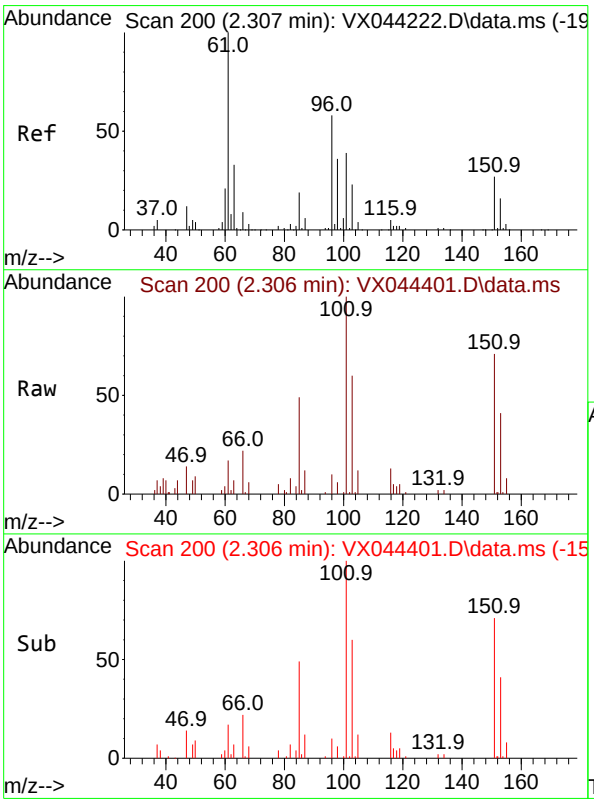

#11
Tert butyl alcohol
Concen: 3.605 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.055 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 59 Resp: 960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |

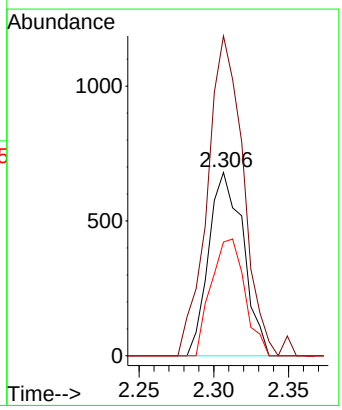


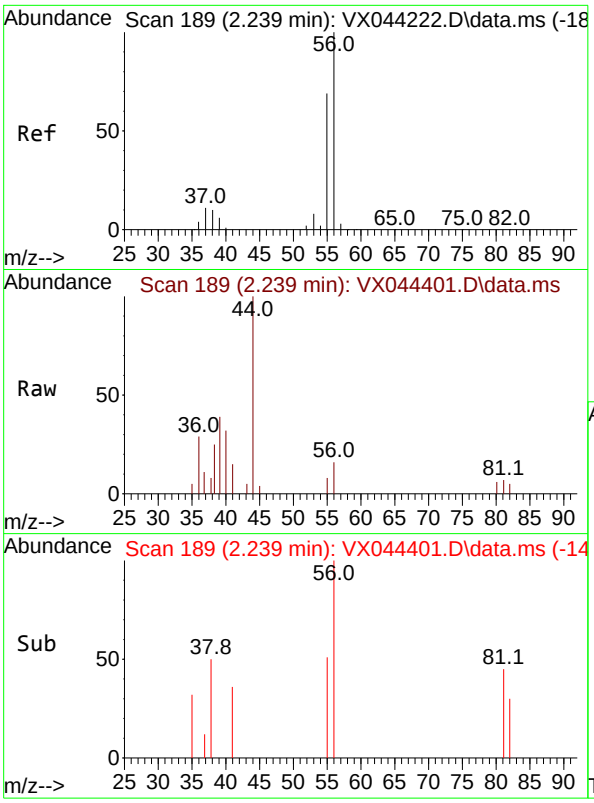




#12
1,1-Dichloroethene
Concen: 0.904 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 96 Resp: 1092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.4 | 138.0 | 207.0 |
| 98 | 62.1 | 50.0 | 75.0 |



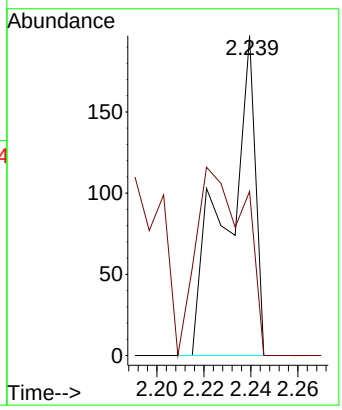


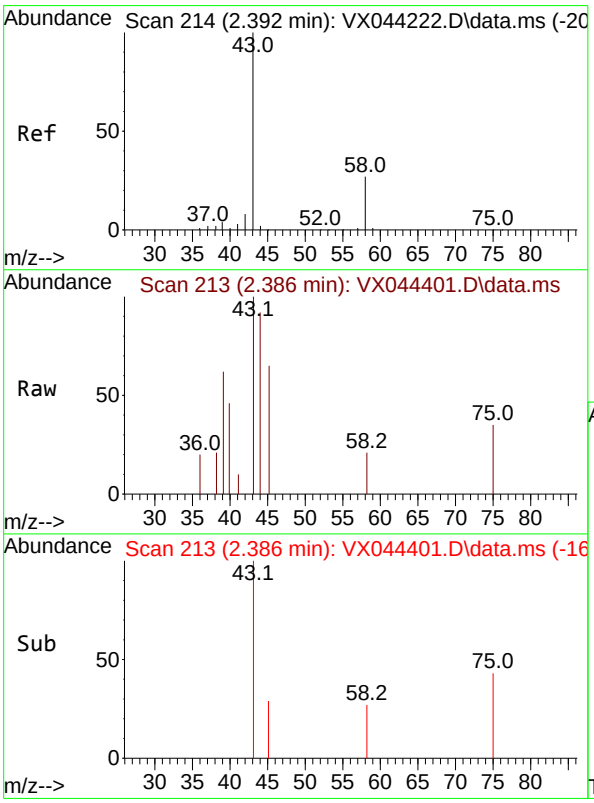

#13
Acrolein
Concen: 0.431 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 56 Resp: 166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 100.6 | 56.6 | 84.8# |

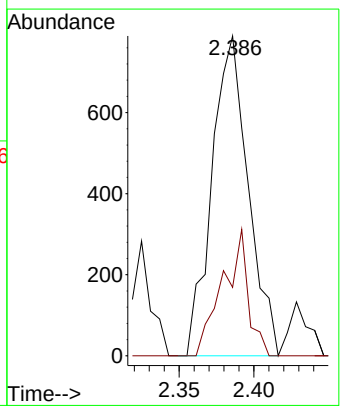


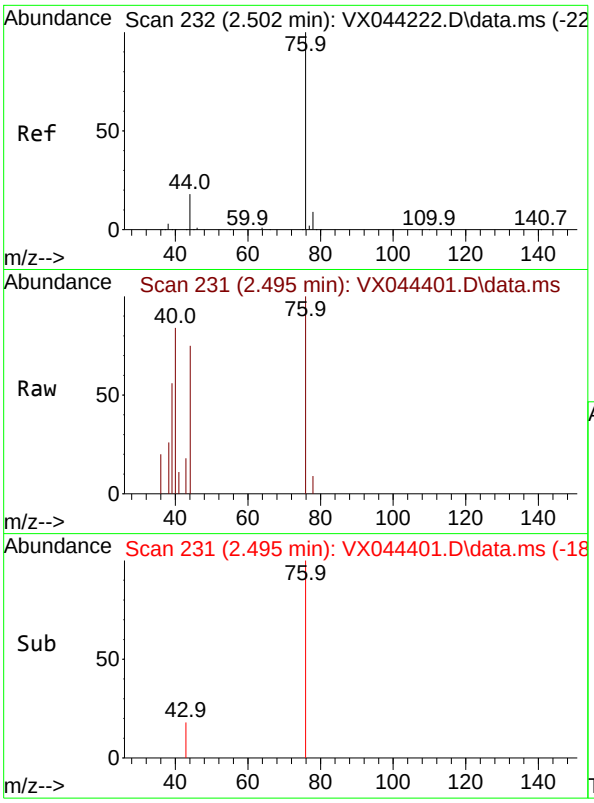




#16
Acetone
Concen: 1.733 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 43 Resp: 1335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.4 | 21.6 | 32.4# |



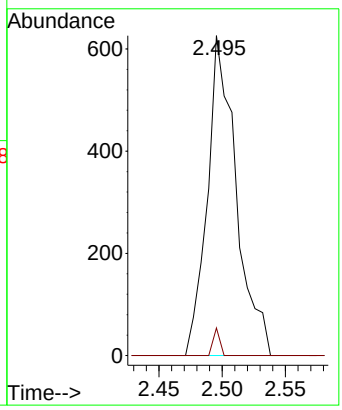


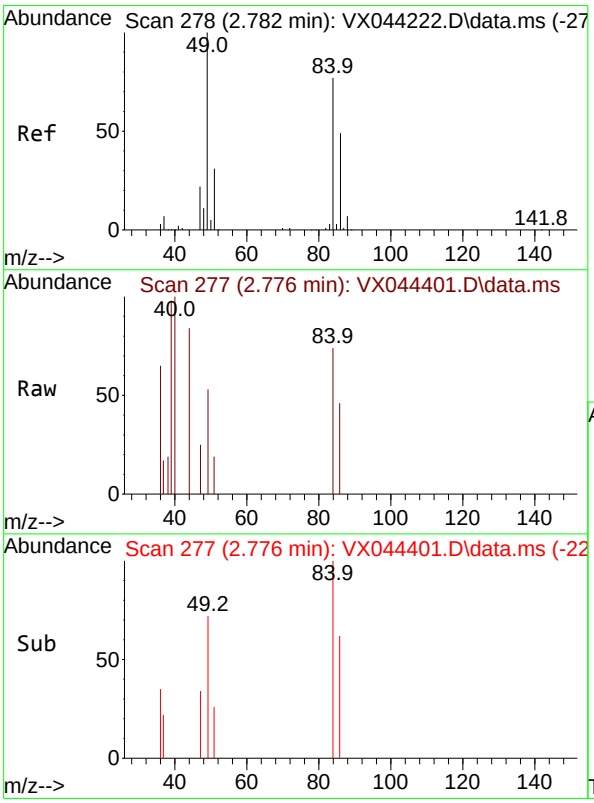

#17
Carbon Disulfide
Concen: 0.432 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 76 Resp: 993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.4 | 11.0 |

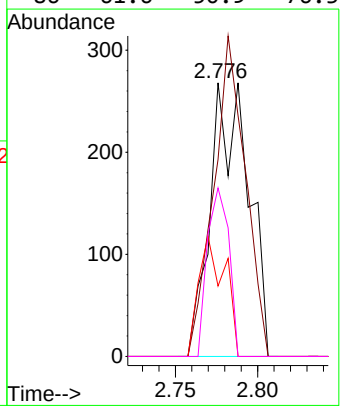


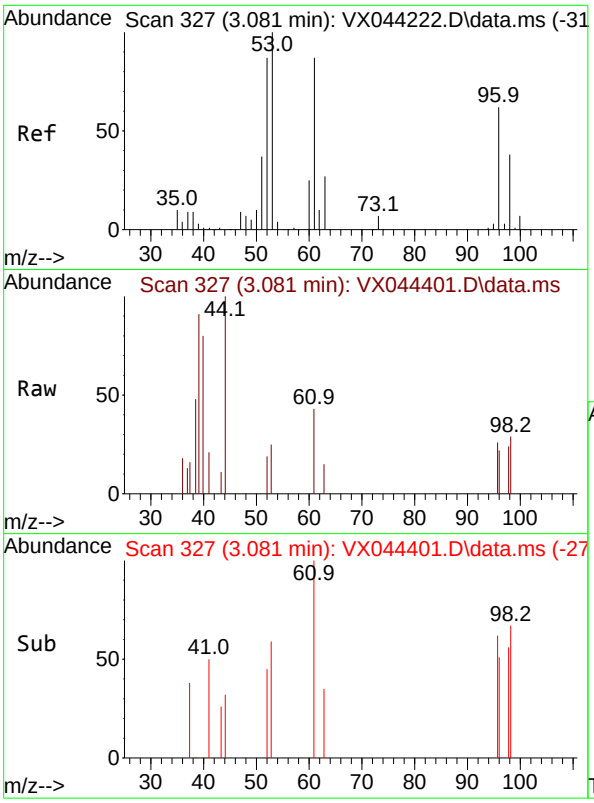




#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 84 Resp: 431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 72.0 | 104.2 | 156.4# |
| 51 | 25.7 | 32.2 | 48.4# |
| 86 | 61.6 | 50.9 | 76.3 |



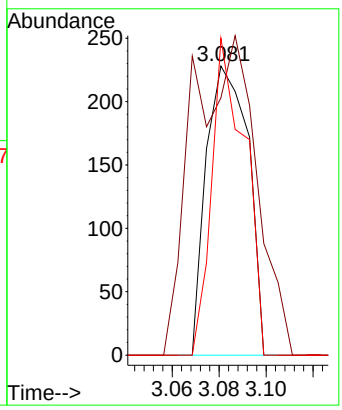


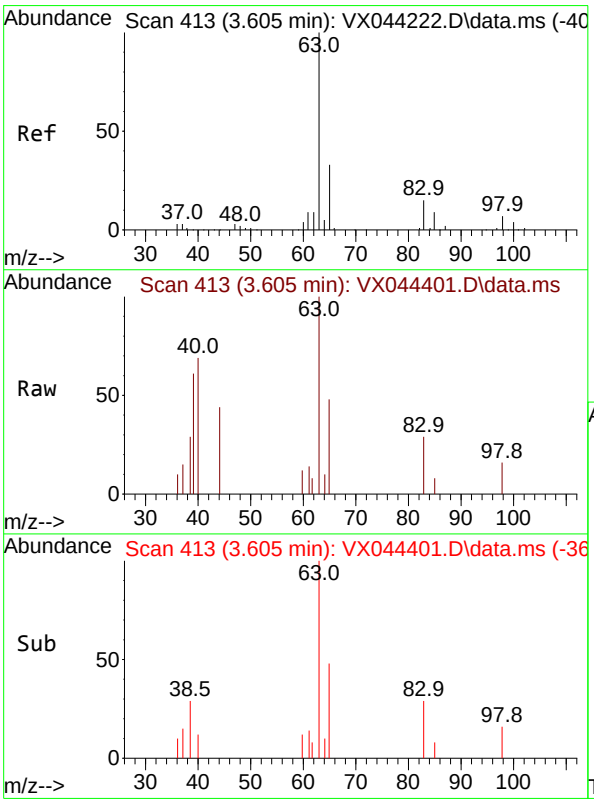

#21
trans-1,2-Dichloroethene
Concen: 0.220 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 96 Resp: 282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 64.0 | 112.0 | 168.0# |
| 98 | 109.6 | 48.8 | 73.2# |

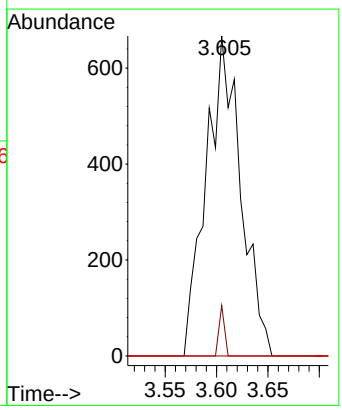


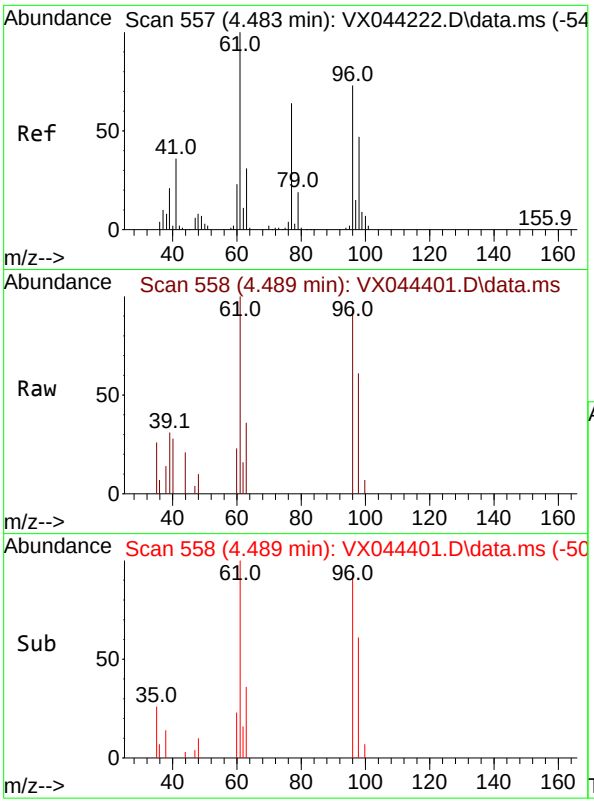




#24
1,1-Dichloroethane
Concen: 0.620 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 63 Resp: 1566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 15.7 | 3.6 | 10.8# |
| 100 | 0.0 | 2.1 | 6.3# |



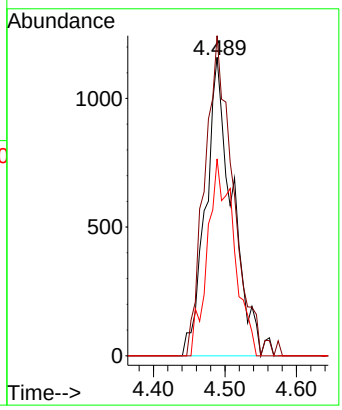


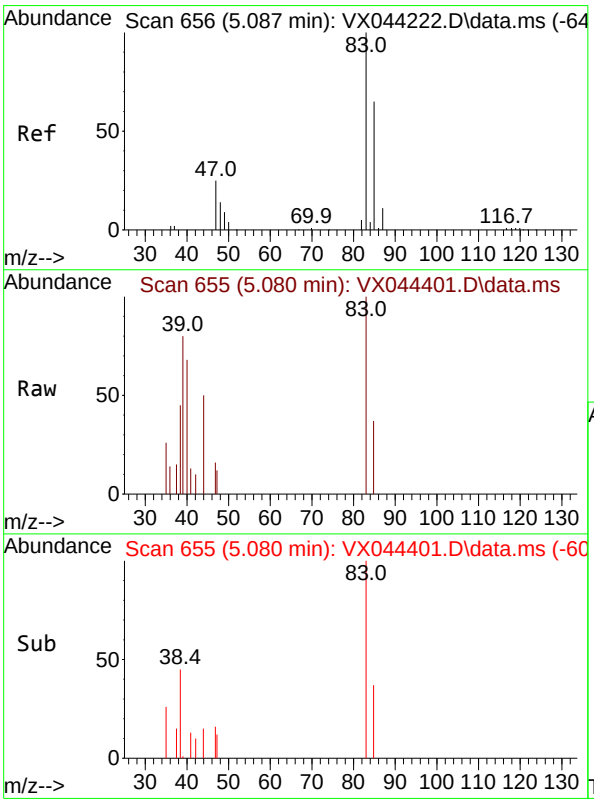

#27
cis-1,2-Dichloroethene
Concen: 1.853 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 96 Resp: 3021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 114.0 | 0.0 | 299.0 |
| 98 | 65.1 | 0.0 | 129.0 |

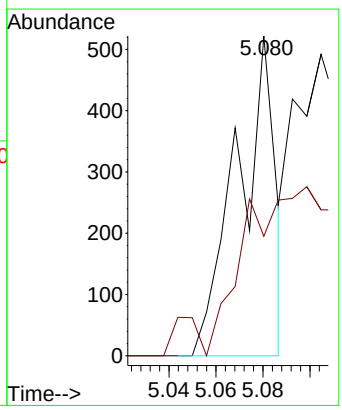


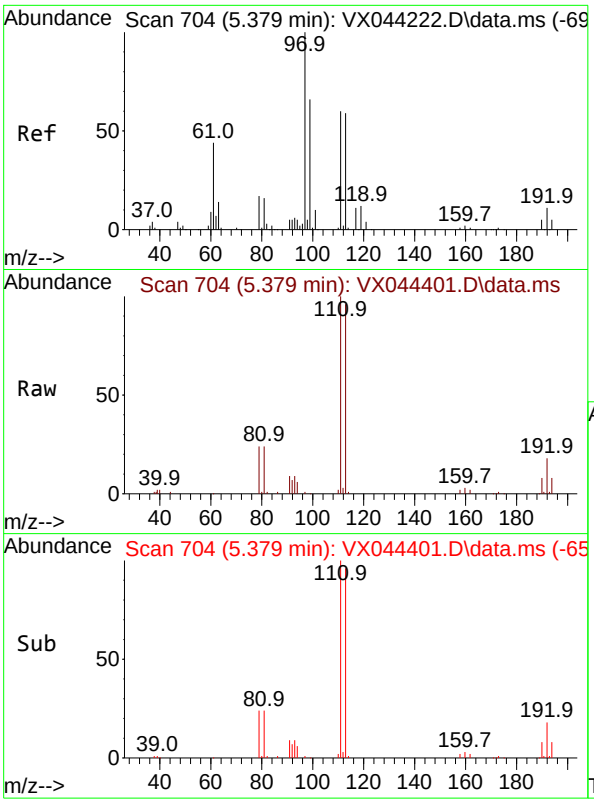




#30
Chloroform
Concen: 0.207 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 83 Resp: 586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 25.3 | 51.6 | 77.4# |



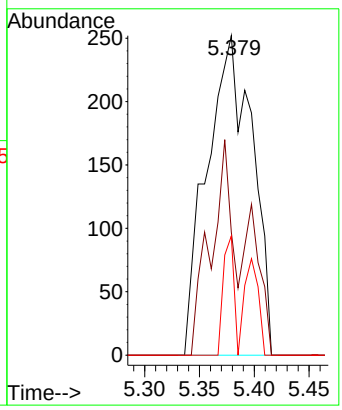


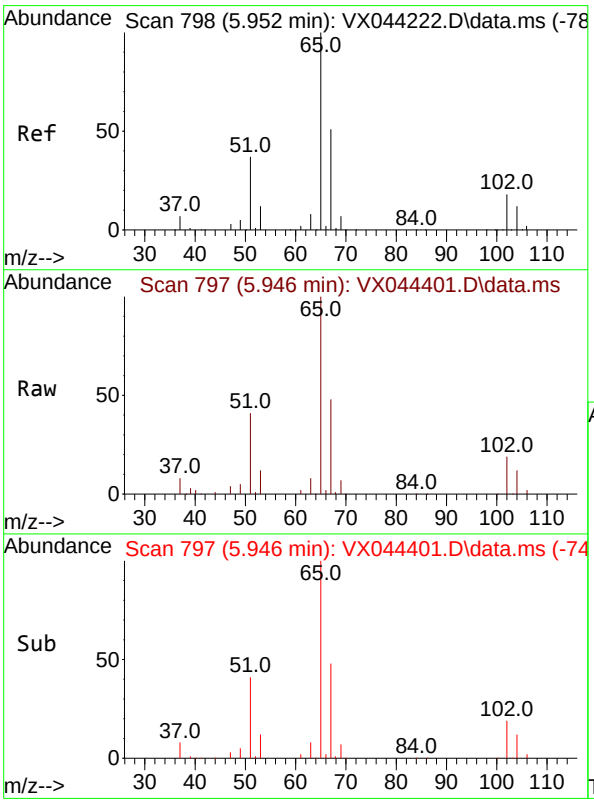

#32
1,1,1-Trichloroethane
Concen: 0.307 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 97 Resp: 724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 50.8 | 76.2# |
| 61 | 0.0 | 35.2 | 52.8# |

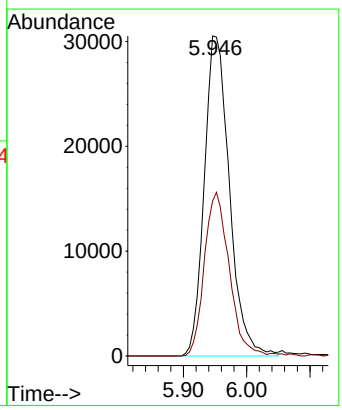


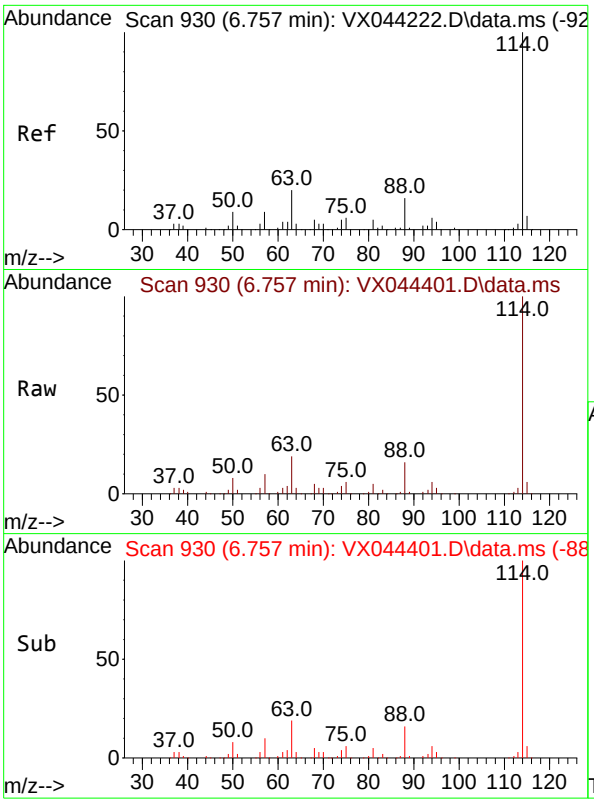




#33
1,2-Dichloroethane-d4
Concen: 44.682 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 65 Resp: 84423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.3 | 0.0 | 101.6 |



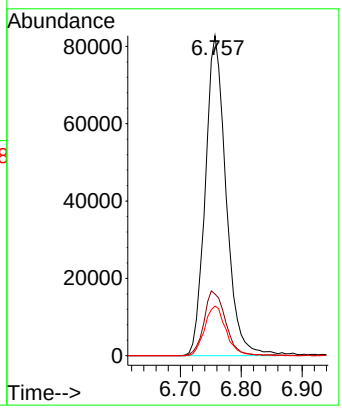


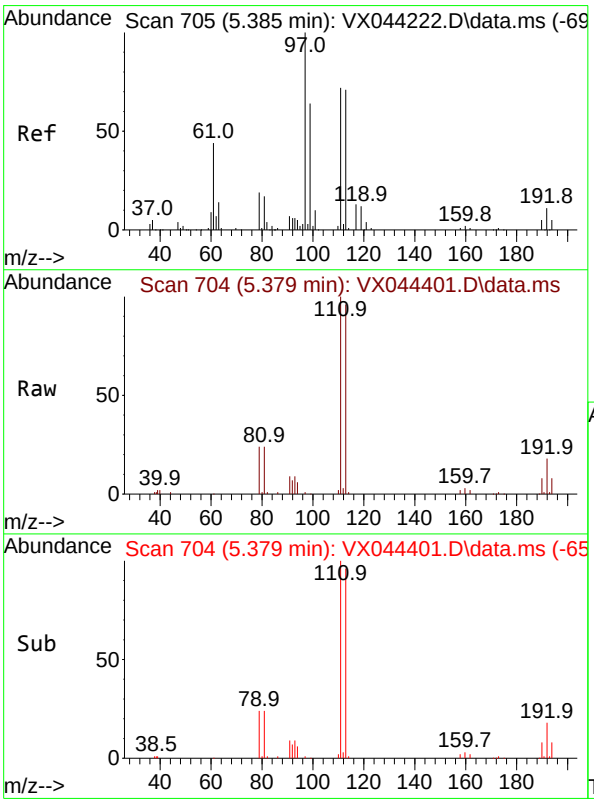

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion:114 Resp: 195811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 40.6 |
| 88 | 15.5 | 0.0 | 31.8 |

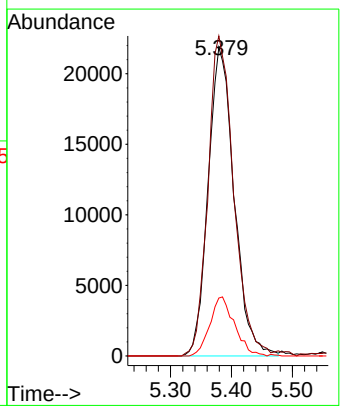


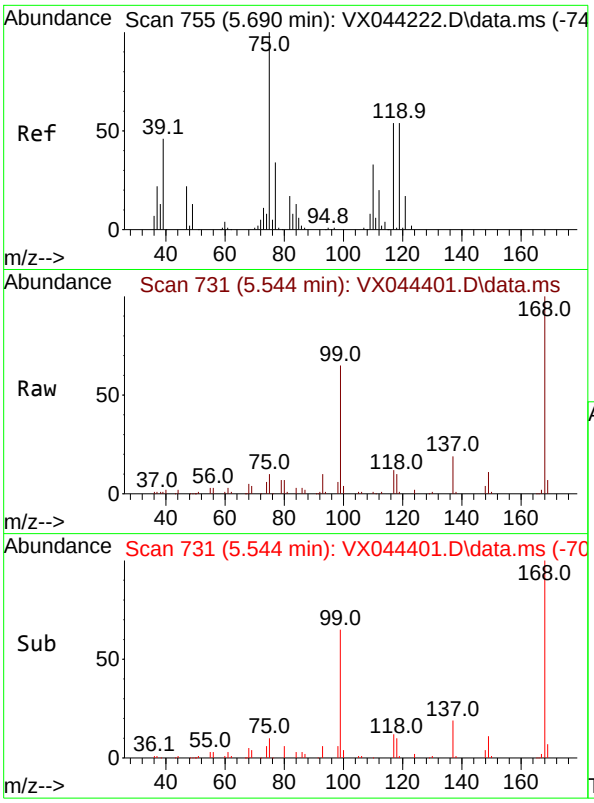




#35
Dibromofluoromethane
Concen: 47.877 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:113 Resp: 64929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 80.4 | 120.6 |
| 192 | 18.1 | 13.3 | 19.9 |



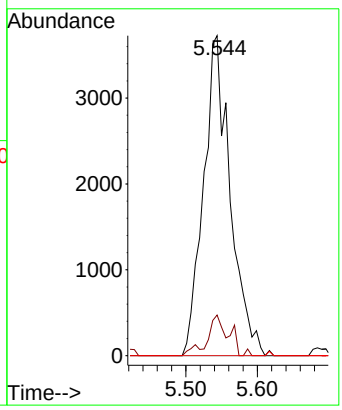


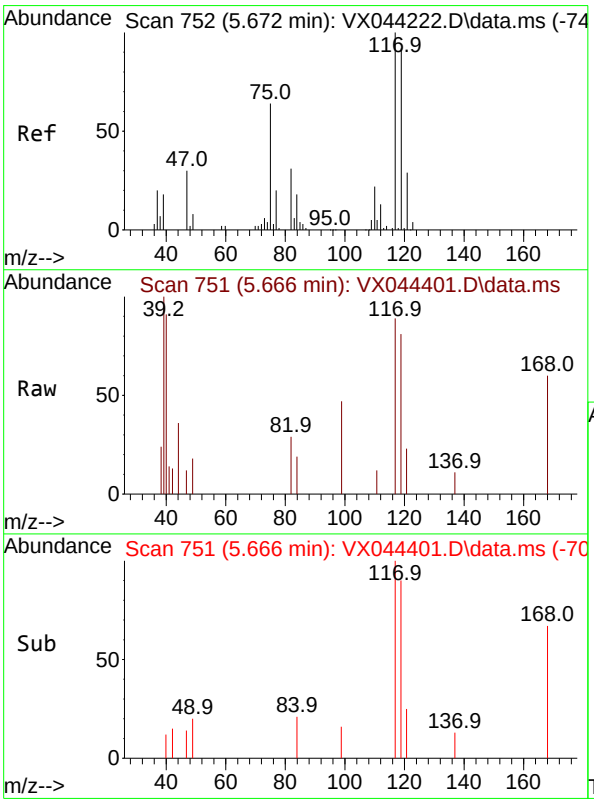

#36
1,1-Dichloropropene
Concen: 5.510 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.146 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 75 Resp: 9659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.6 | 17.3 | 51.7# |
| 77 | 0.0 | 25.4 | 38.0# |

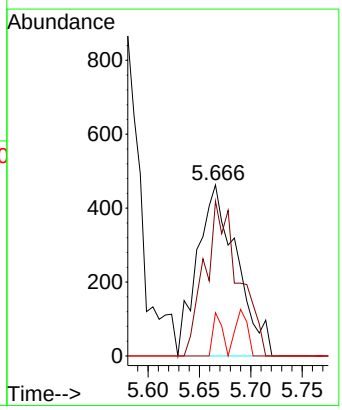


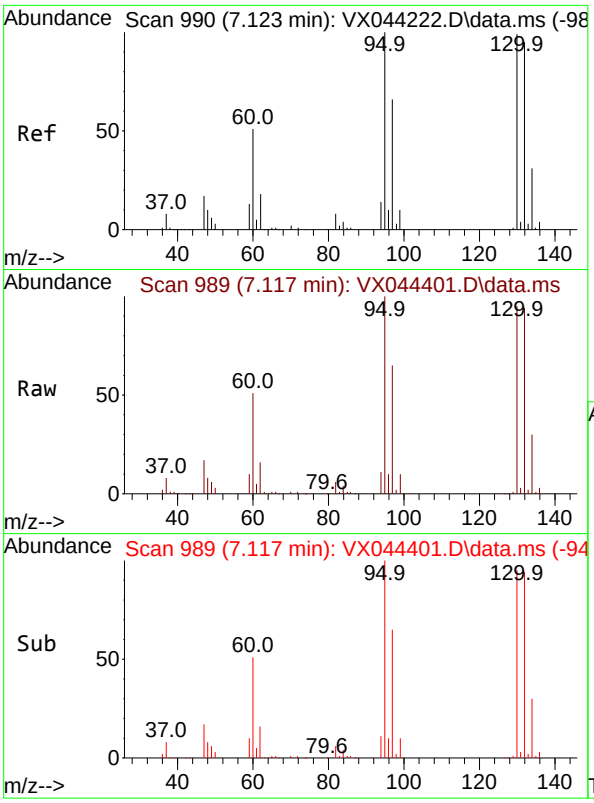




#38
Carbon Tetrachloride
Concen: 0.652 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:117 Resp: 1231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.5 | 74.2 | 111.4 |
| 121 | 25.3 | 23.0 | 34.6 |



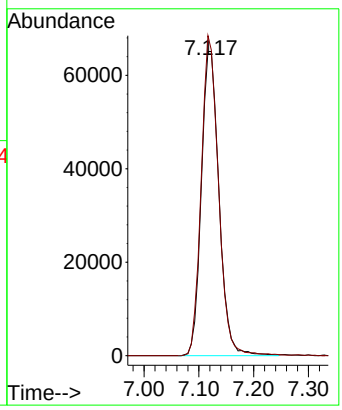


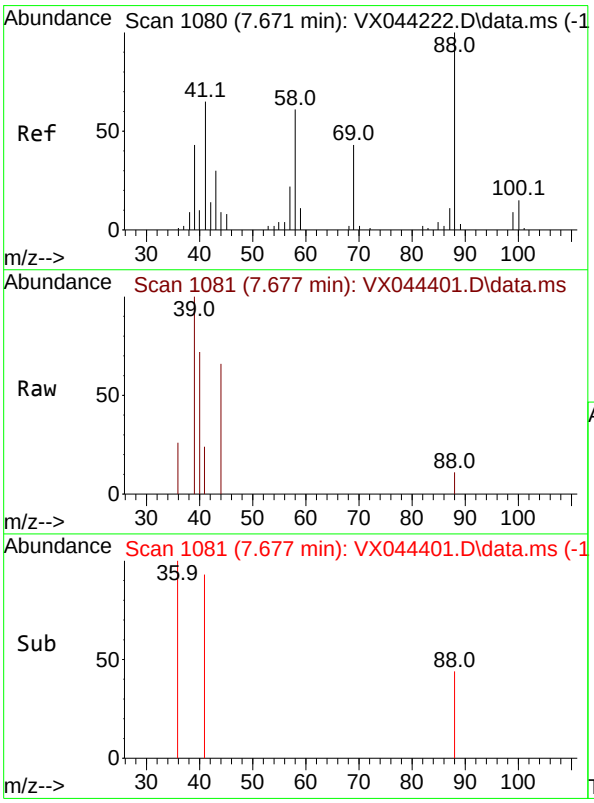

#44
Trichloroethene
Concen: 110.301 ug/l
RT: 7.117 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion:130 Resp: 146402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 105.2 | 0.0 | 201.4 |

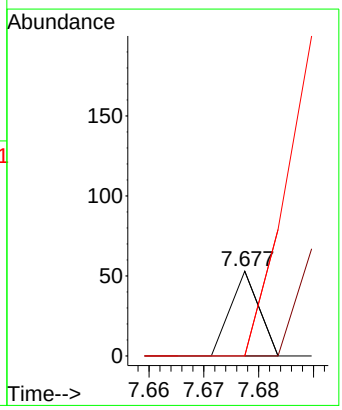


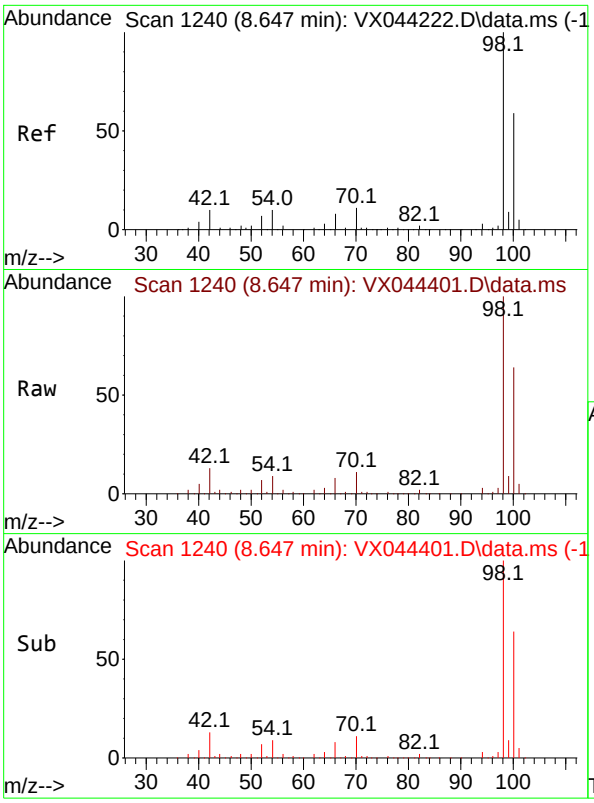




#49
1,4-Dioxane
Concen: 0.697 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 88 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 131.6 | 27.1 | 40.7# |
| 58 | 705.3 | 41.0 | 61.4# |



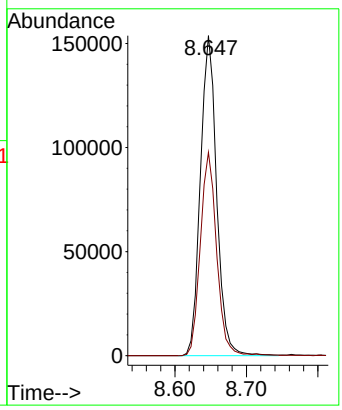


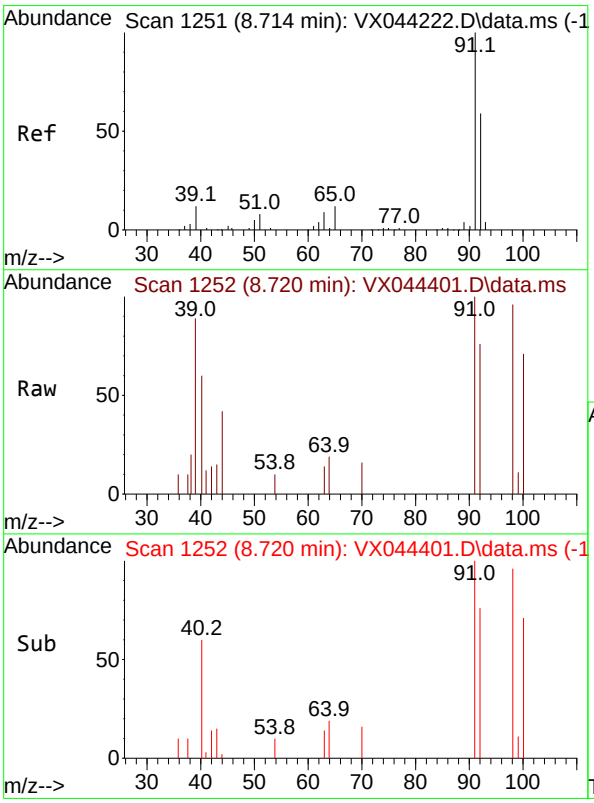

#50
Toluene-d8
Concen: 53.120 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 98 Resp: 243041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 51.5 | 77.3 |

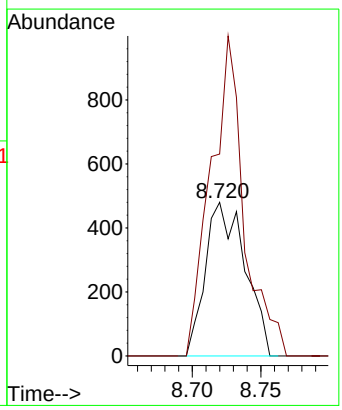


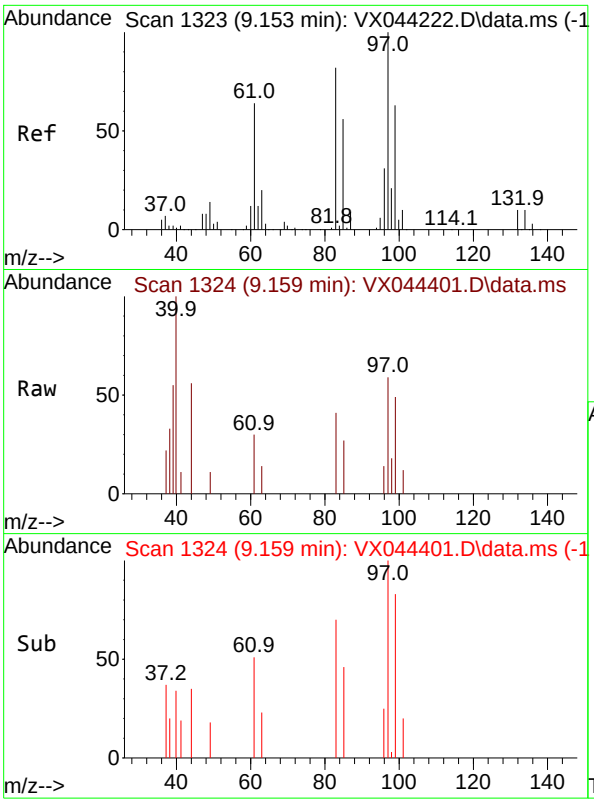




#52
Toluene
Concen: 0.290 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 92 Resp: 969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.4 | 137.0 | 205.6 |



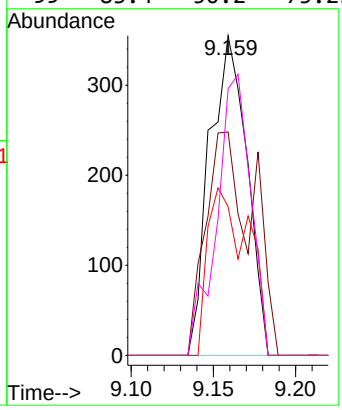


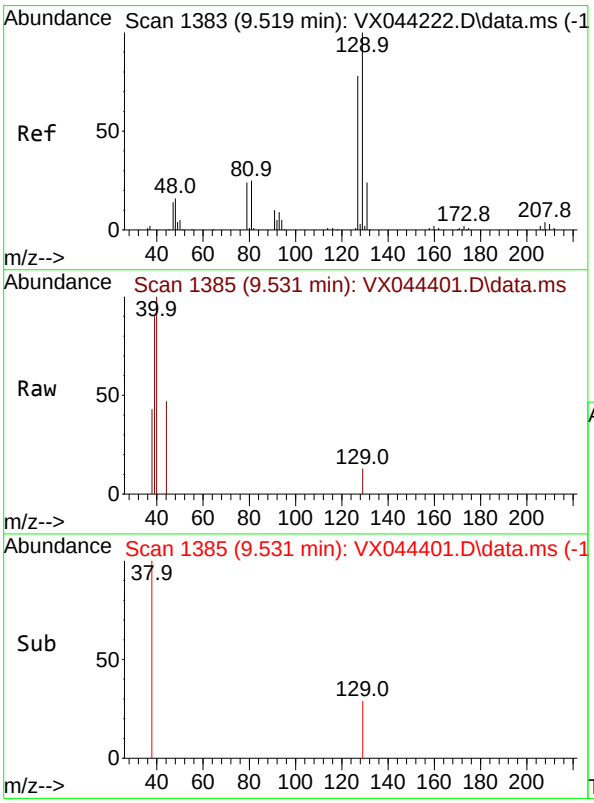

#55
1,1,2-Trichloroethane
Concen: 0.421 ug/l
RT: 9.159 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 97 Resp: 559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 69.9 | 65.3 | 97.9 |
| 85 | 46.5 | 44.6 | 67.0 |
| 99 | 83.4 | 50.2 | 75.2# |

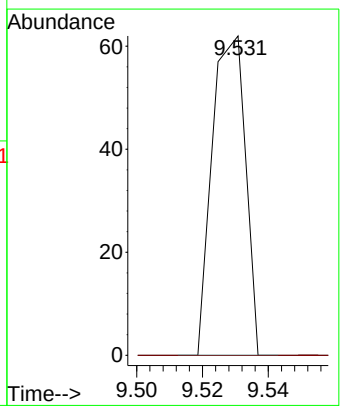


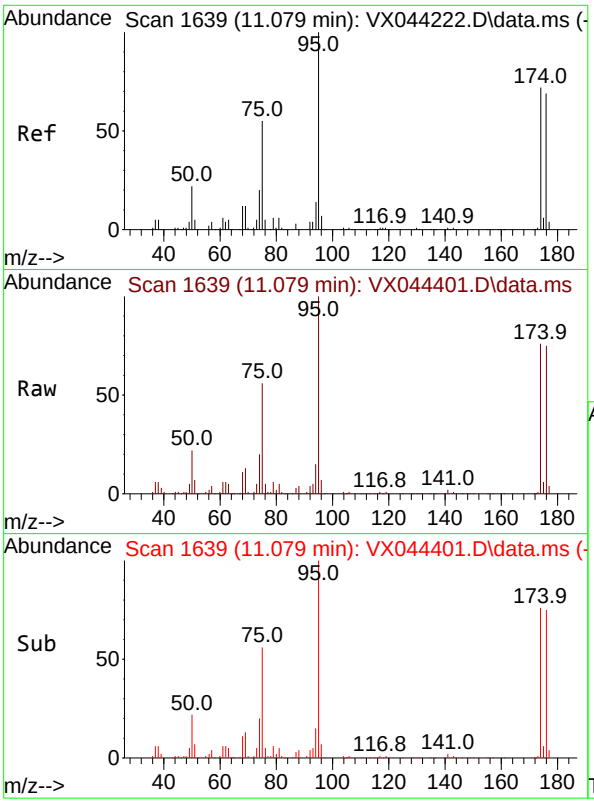




#60
Dibromochloromethane
Concen: 1.263 ug/l
RT: 9.531 min Scan# 1385
Delta R.T. 0.012 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:129 Resp: 44

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 38.5 | 115.3# |



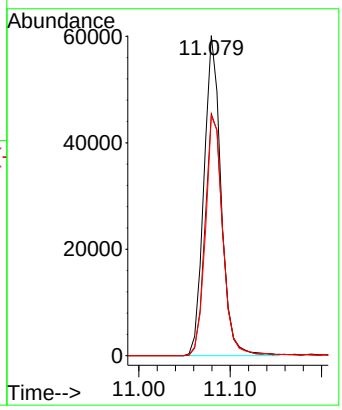


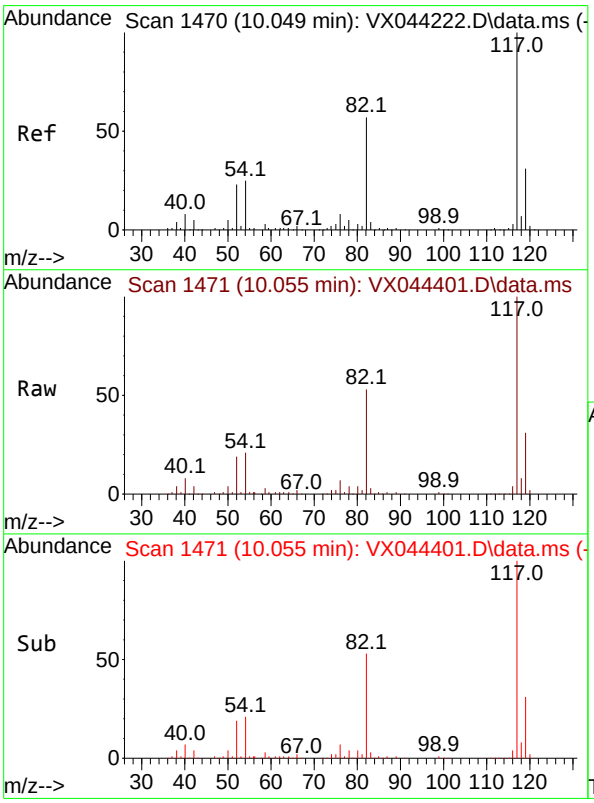

#62
4-Bromofluorobenzene
Concen: 48.665 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 95 Resp: 77802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.4 | 0.0 | 145.8 |
| 176 | 76.2 | 0.0 | 137.8 |

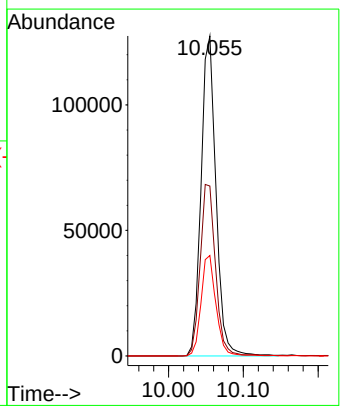


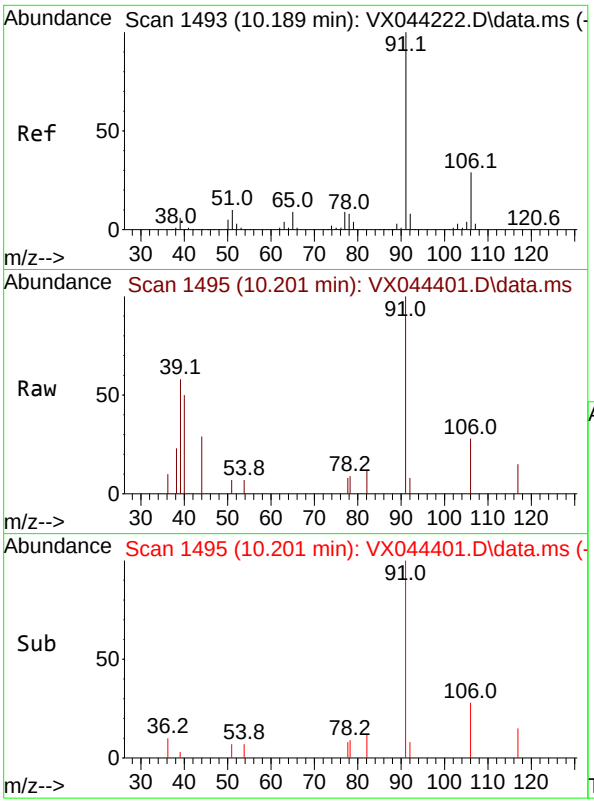




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:117 Resp: 176405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.1 | 45.8 | 68.8 |
| 119 | 31.4 | 25.0 | 37.4 |



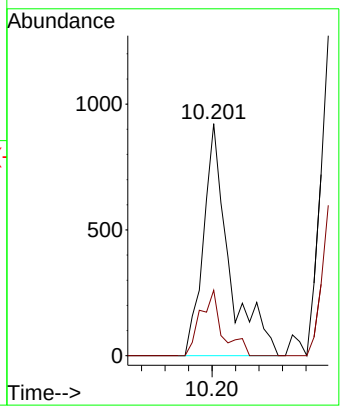


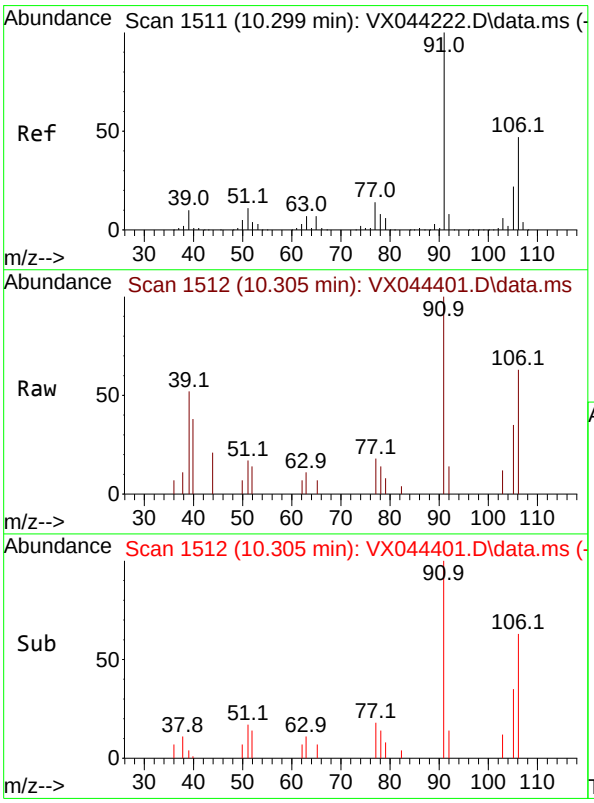

#67
Ethyl Benzene
Concen: 0.214 ug/l
RT: 10.201 min Scan# 14
Delta R.T. 0.012 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 91 Resp: 1400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.2 | 23.5 | 35.3 |

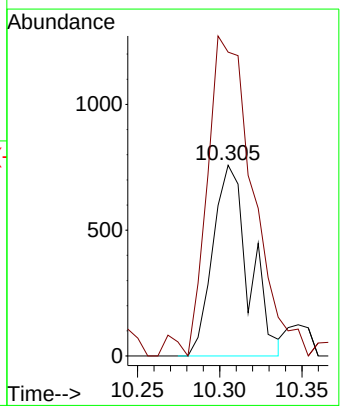


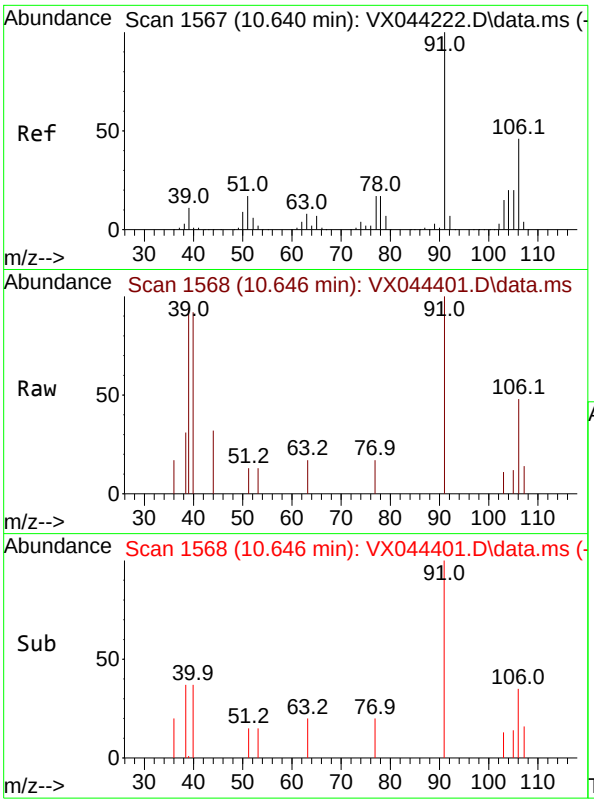




#68
m/p-Xylenes
Concen: 0.484 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:106 Resp: 1159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.6 | 170.2 | 255.2 |



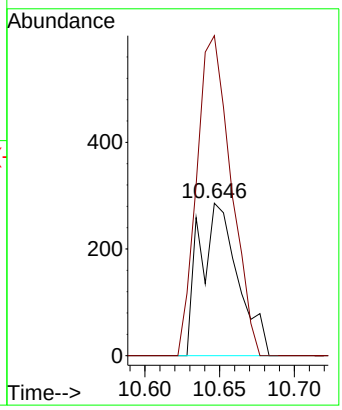


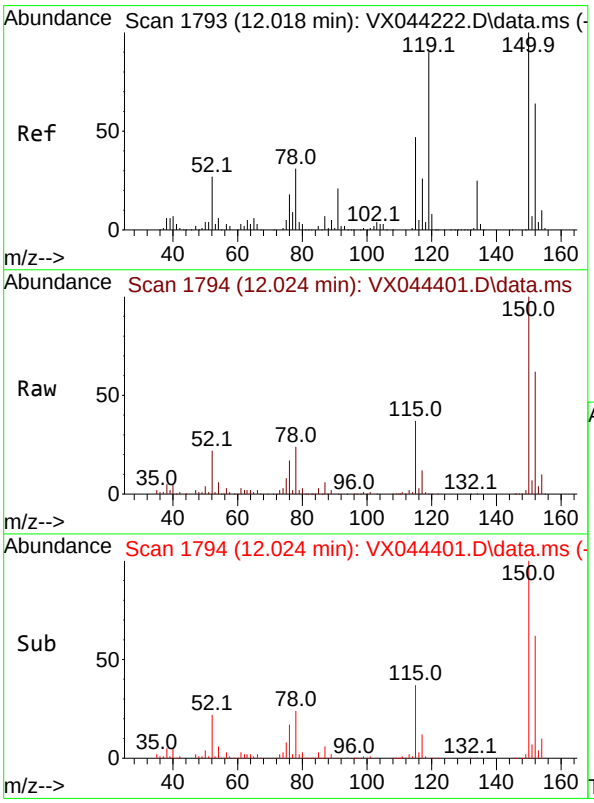

#69
o-Xylene
Concen: 0.210 ug/l
RT: 10.646 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion:106 Resp: 510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 187.8 | 112.3 | 337.0 |

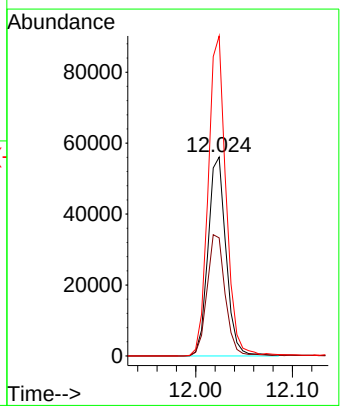


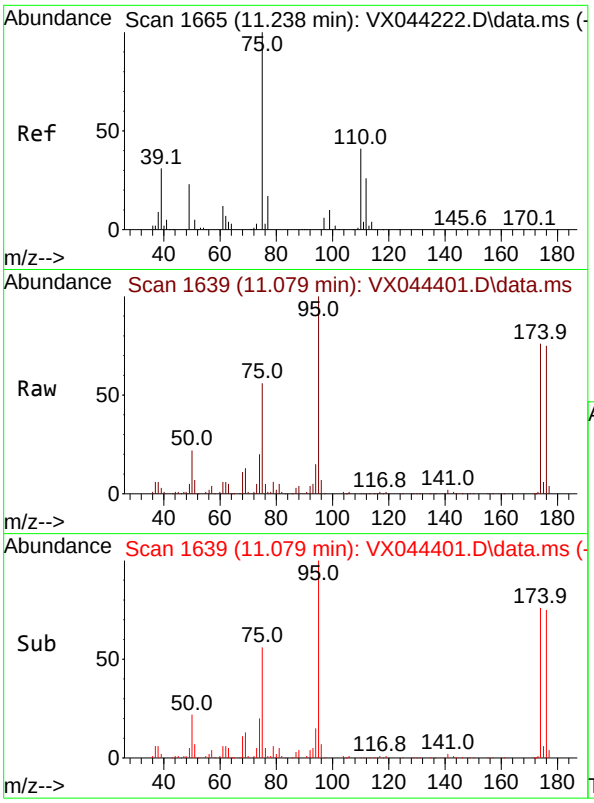




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:152 Resp: 72683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.9 | 44.5 | 133.3 |
| 150 | 159.9 | 0.0 | 353.8 |



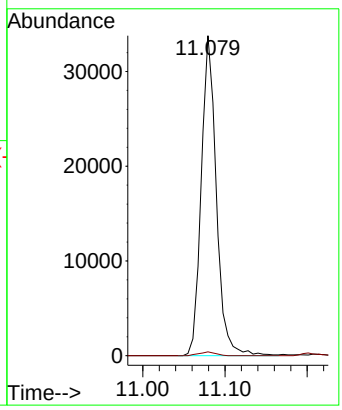


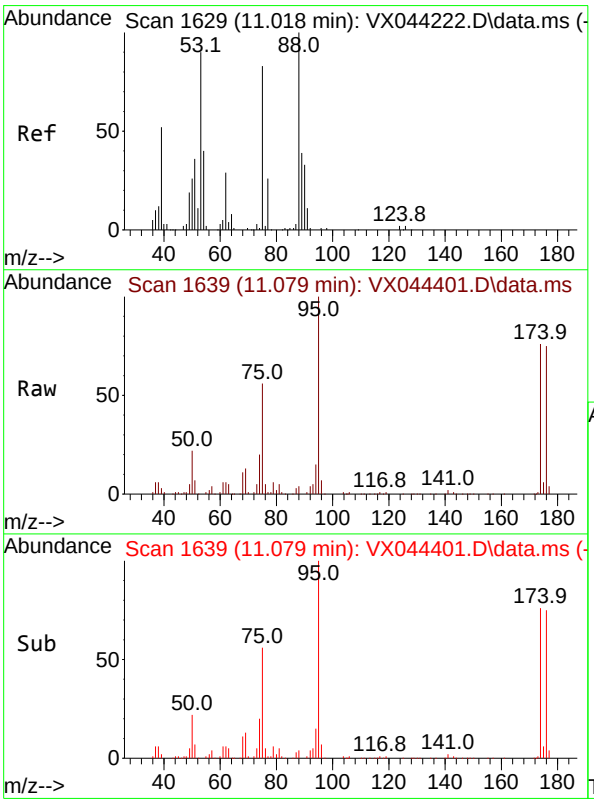

#76
1,2,3-Trichloropropane
Concen: 26.669 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.159 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion: 75 Resp: 43280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 20.9 | 62.7# |

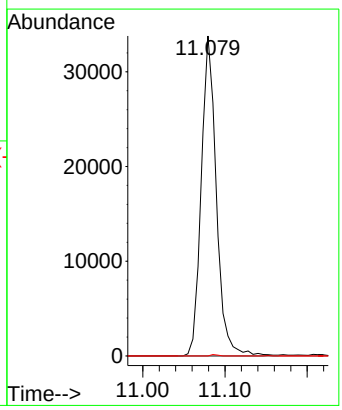


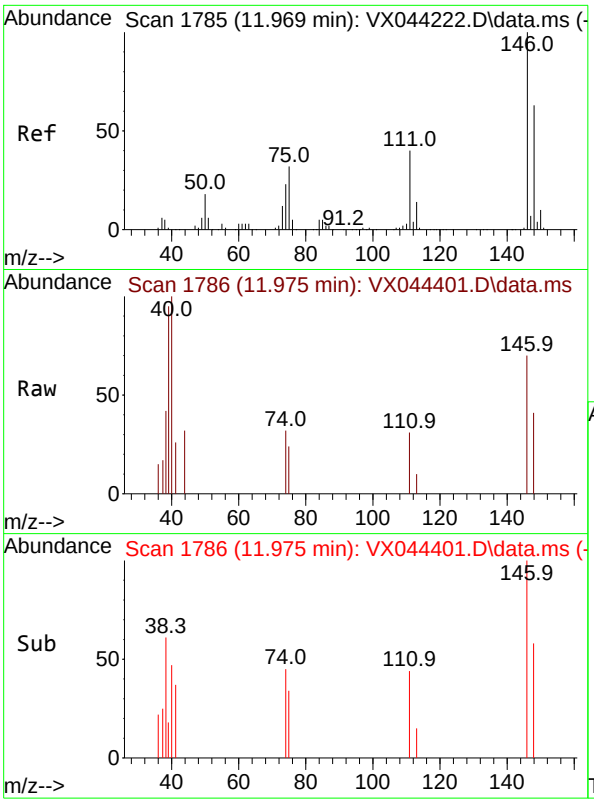




#81
trans-1,4-Dichloro-2-butene
Concen: 73.473 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion: 75 Resp: 43280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 93.6 | 140.4# |
| 89 | 0.2 | 37.3 | 55.9# |



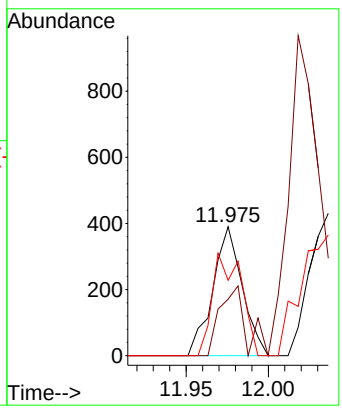


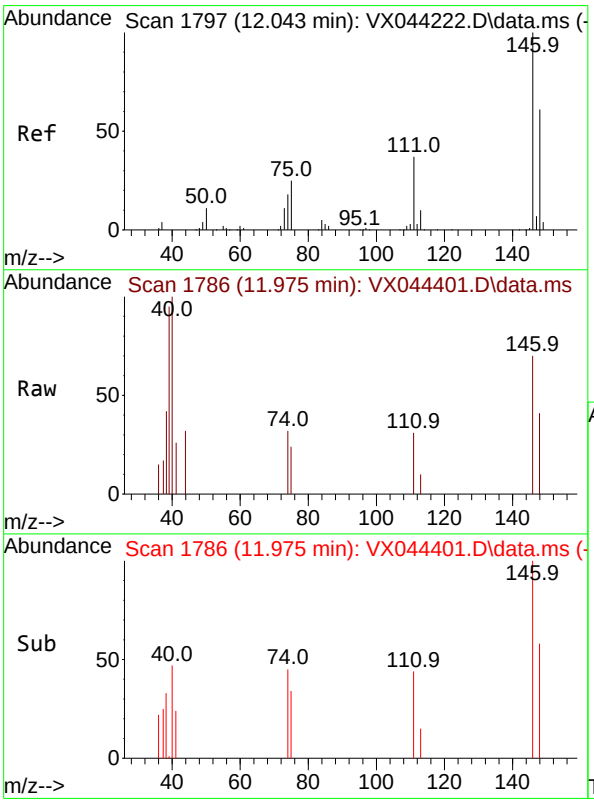

#87
1,3-Dichlorobenzene
Concen: 0.207 ug/l
RT: 11.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion:146 Resp: 487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.8 | 21.4 | 64.2 |
| 148 | 78.0 | 31.7 | 95.1 |

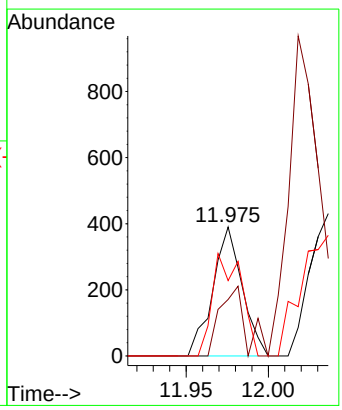


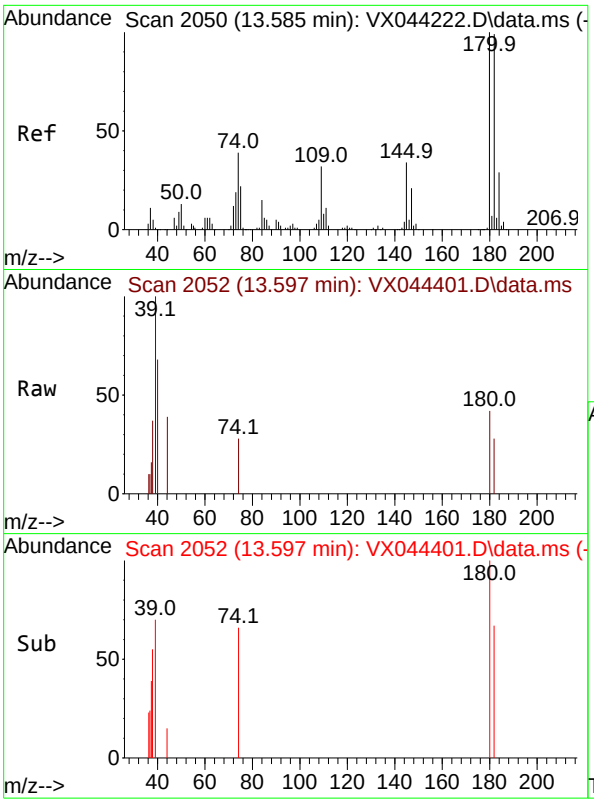




#88
1,4-Dichlorobenzene
Concen: 0.201 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.067 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:146 Resp: 487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.8 | 21.0 | 63.0 |
| 148 | 78.0 | 32.3 | 96.8 |



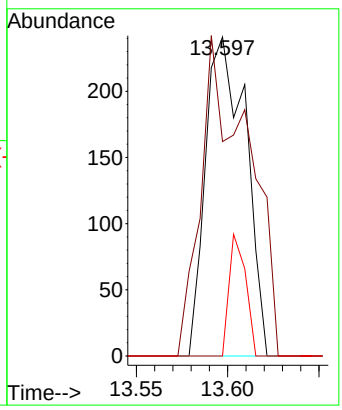


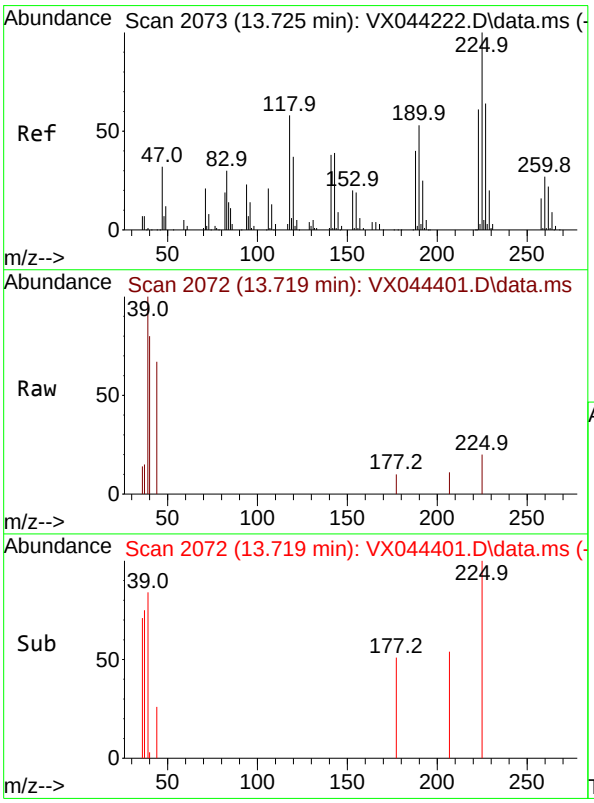

#93
1,2,4-Trichlorobenzene
Concen: 0.274 ug/l
RT: 13.597 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion:180 Resp: 368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 117.1 | 48.0 | 144.2 |
| 145 | 15.8 | 16.6 | 49.7# |

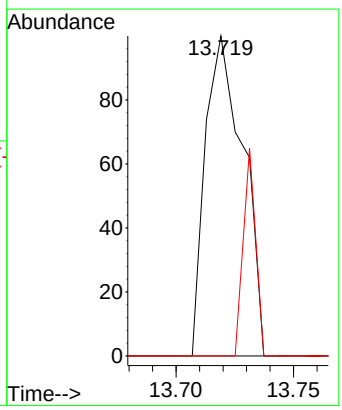


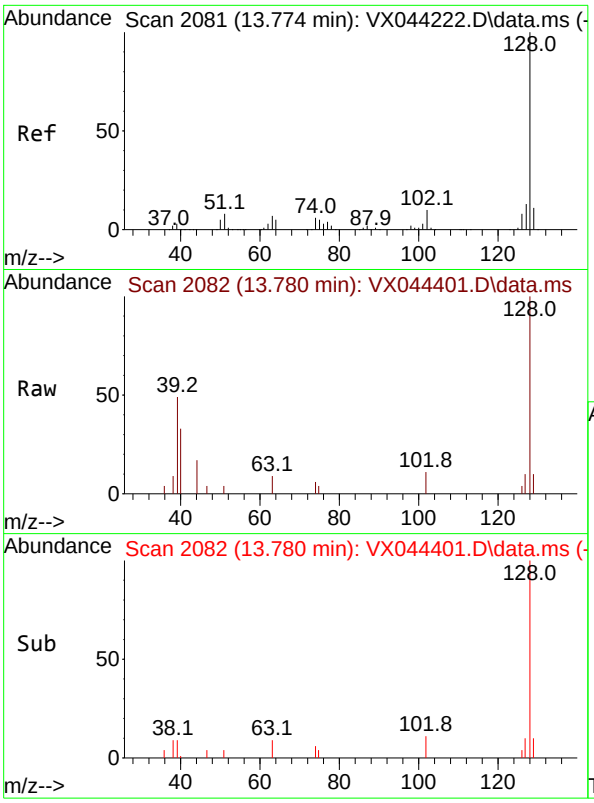




#94
Hexachlorobutadiene
Concen: 0.208 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:225 Resp: 112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 30.8 | 92.4# |
| 227 | 21.4 | 32.1 | 96.3# |



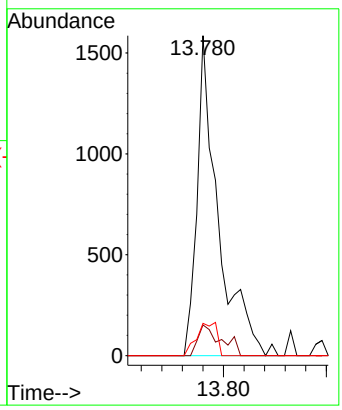


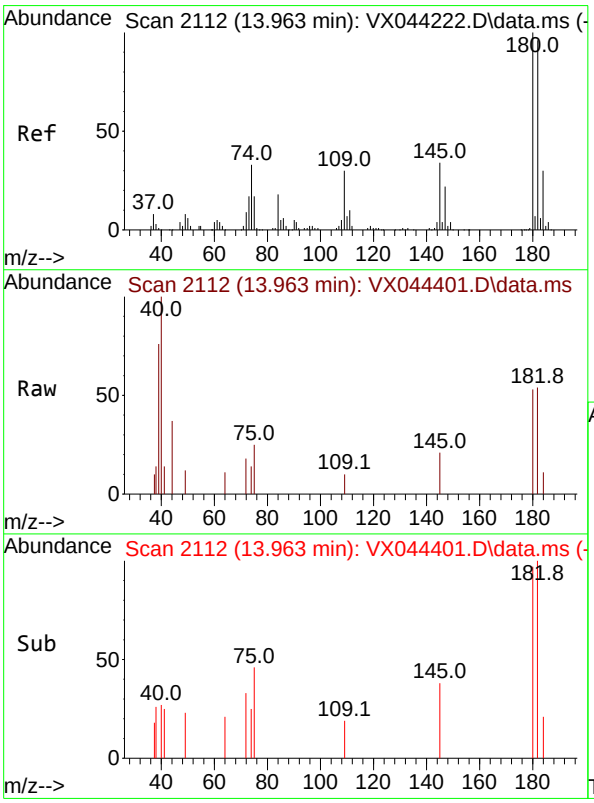

#95
Naphthalene
Concen: 0.434 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE114D2-20241216

Tgt Ion:128 Resp: 2273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 10.4 | 10.5 | 15.7# |
| 129 | 9.8 | 9.0 | 13.4 |

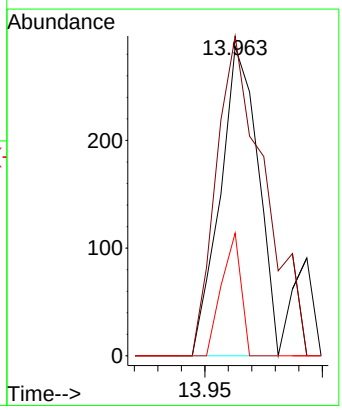



#96
1,2,3-Trichlorobenzene
Concen: 0.228 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044401.D
Acq: 19 Dec 2024 00:13

Tgt Ion:180 Resp: 324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 131.2 | 48.0 | 144.0 |
| 145 | 20.1 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044417.D
Acq On : 19 Dec 2024 06:28 am
Operator : JC/MD
Sample : P5317-19MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Quant Time: Dec 19 07:13:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 120579 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 213617 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190465 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 89259 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 105971 | 50.125 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.240% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 80699 | 54.545 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 109.100% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 275601 | 55.215 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 110.440% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 95512 | 54.763 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 109.520% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 101840 | 54.622 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 100546 | 56.393 | ug/l | 99 |
| 4) Vinyl Chloride | 1.373 | 62 | 100314 | 54.006 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 66030 | 50.108 | ug/l | 99 |
| 6) Chloroethane | 1.660 | 64 | 64595 | 55.848 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 159830 | 43.953 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 59957 | 48.304 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 85466 | 58.083 | ug/l | 97 |
| 10) Methyl Iodide | 2.440 | 142 | 106760 | 55.050 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.995 | 59 | 70752 | 237.456 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 76884 | 56.886 | ug/l | 94 |
| 13) Acrolein | 2.239 | 56 | 108654 | 251.918 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 111120 | 49.361 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 218540 | 264.782 | ug/l | 98 |
| 16) Acetone | 2.392 | 43 | 197086 | 228.663 | ug/l | 93 |
| 17) Carbon Disulfide | 2.501 | 76 | 135299 | 52.664 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 94760 | 42.640 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 262360 | 49.744 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 86364 | 53.348 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 77018 | 53.619 | ug/l | 94 |
| 22) Diisopropyl ether | 3.763 | 45 | 257102 | 50.718 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 899088 | 218.156 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 150960 | 53.424 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 306611 | 250.229 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 66622 | 29.022 | ug/l | 92 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 95958 | 52.601 | ug/l | 93 |
| 28) Bromochloromethane | 4.891 | 49 | 70090 | 50.584 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 197080 | 250.581 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 162853 | 51.296 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 116900 | 51.232 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 134879 | 51.181 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 99689 | 52.127 | ug/l | 98 |
| 37) Ethyl Acetate | 4.714 | 43 | 103439 | 43.755 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.671 | 117 | 106720 | 51.832 | ug/l | 93 |
| 39) Methylcyclohexane | 7.372 | 83 | 120195 | 52.572 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 320899 | 55.265 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044417.D
Acq On : 19 Dec 2024 06:28 am
Operator : JC/MD
Sample : P5317-19MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Quant Time: Dec 19 07:13:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 63751 | 50.785 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 124414 | 52.015 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 170996 | 46.279 | ug/l | | 99 |
| 44) Trichloroethene | 7.122 | 130 | 272774 | 188.381 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 77375 | 52.158 | ug/l | | 100 |
| 46) Dibromomethane | 7.580 | 93 | 62524 | 54.327 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.817 | 83 | 107956 | 54.314 | ug/l | # | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 91092 | 50.787 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 28445 | 956.536 | ug/l | # | 66 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 622807 | 262.151 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 194818 | 53.428 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 96722 | 45.626 | ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 108330 | 50.056 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 79671 | 54.999 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 122174 | 53.425 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 133261 | 52.852 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.165 | 63 | 328 | 0.284 | ug/l | # | 46 |
| 59) 2-Hexanone | 9.433 | 43 | 455924 | 265.129 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.518 | 129 | 77087 | 50.234 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 80434 | 54.550 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.268 | 164 | 64526 | 51.043 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 212499 | 52.067 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 71222 | 54.299 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 364782 | 51.729 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 276393 | 106.816 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 139121 | 53.138 | ug/l | | 95 |
| 70) Styrene | 10.652 | 104 | 229145 | 54.597 | ug/l | | 97 |
| 71) Bromoform | 10.799 | 173 | 46210 | 50.371 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 353672 | 51.758 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 133021 | 42.122 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 120537 | 50.787 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 122106 | 61.269 | ug/l | | 84 |
| 77) Bromobenzene | 11.195 | 156 | 85100 | 51.358 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 393213 | 52.064 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 241377 | 49.418 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 290026 | 51.181 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 25222 | 37.797 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 275039 | 50.851 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 293206 | 52.357 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 290913 | 52.275 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 347835 | 51.163 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 287333 | 50.779 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 151413 | 52.313 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 151478 | 50.911 | ug/l | | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 239808 | 50.400 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 43066 | 52.138 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 152884 | 50.871 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 21771 | 47.254 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 85895 | 52.132 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 33809 | 51.014 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 312358 | 48.567 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 88117 | 50.422 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044417.D
Acq On : 19 Dec 2024 06:28 am
Operator : JC/MD
Sample : P5317-19MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Quant Time: Dec 19 07:13:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

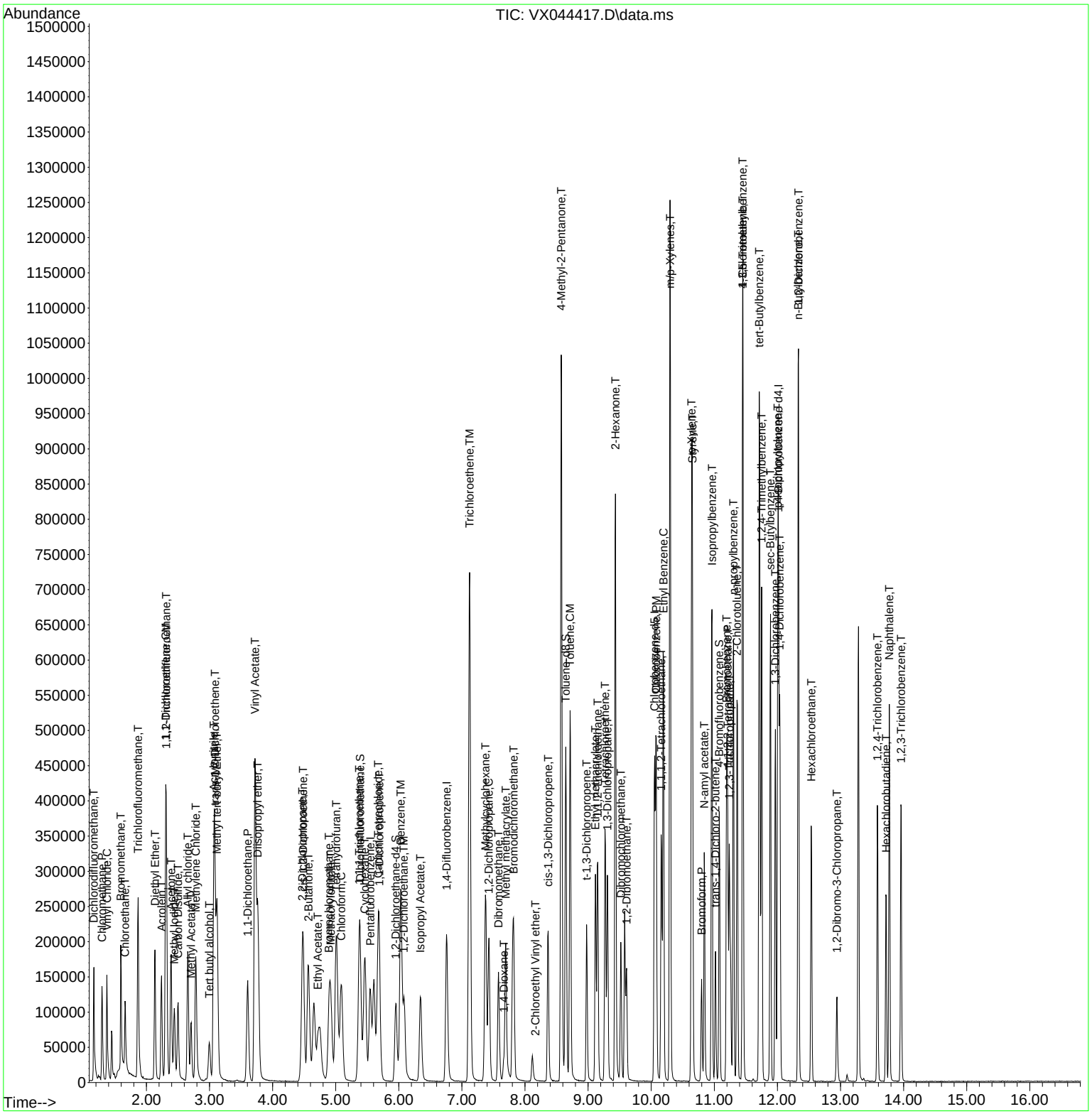
(#) = qualifier out of range (m) = manual integration (+) = signals summed

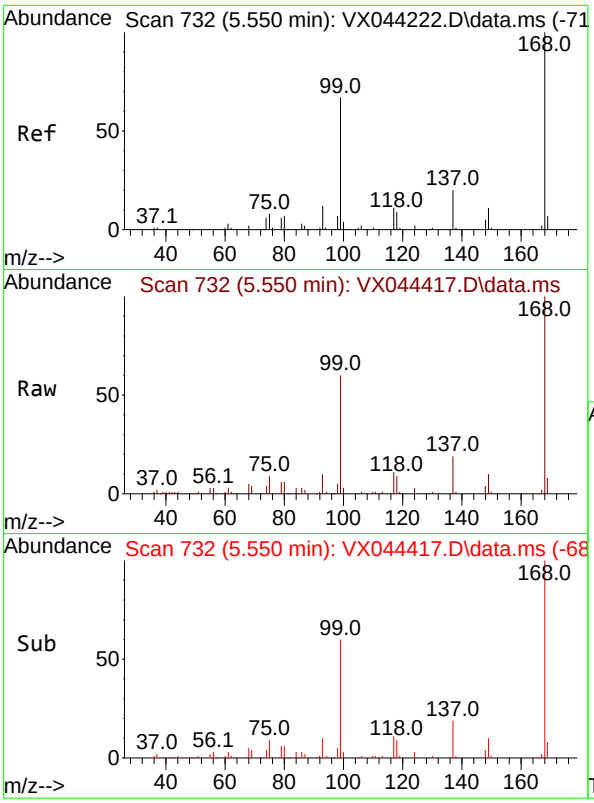
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044417.D
Acq On : 19 Dec 2024 06:28 am
Operator : JC/MD
Sample : P5317-19MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Quant Time: Dec 19 07:13:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



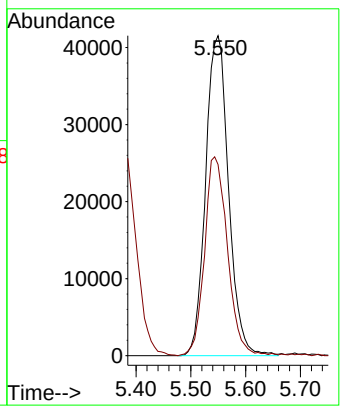


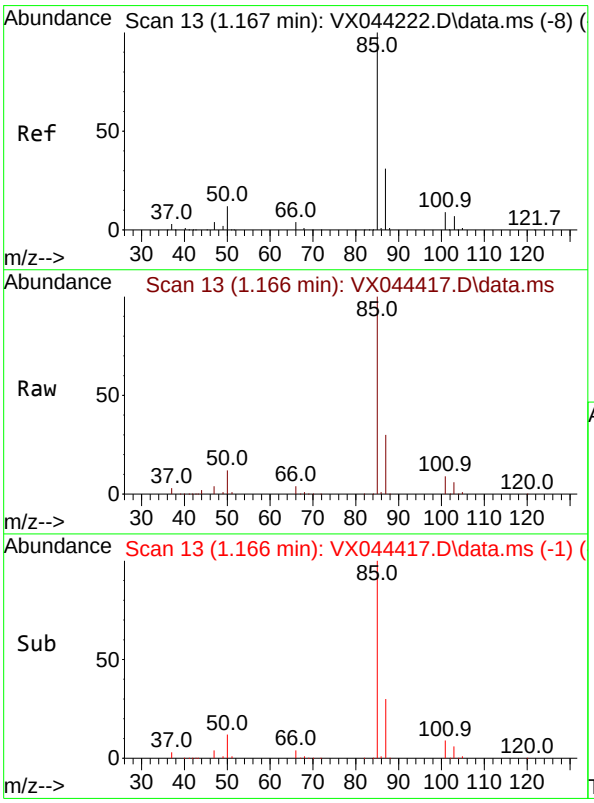

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:168 Resp: 120579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 53.4 | 80.0 |

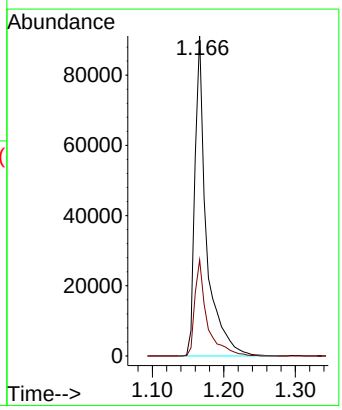


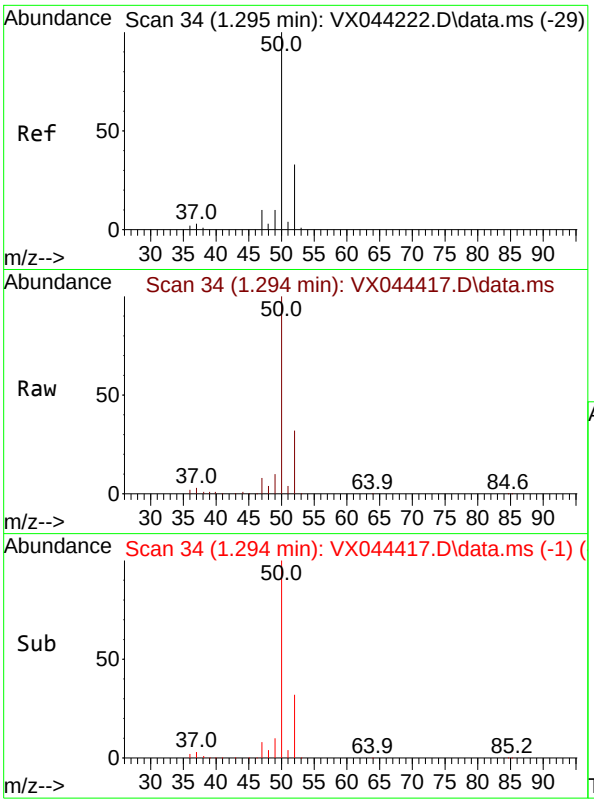




#2
Dichlorodifluoromethane
Concen: 54.622 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 85 Resp: 101840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.0 | 15.4 | 46.4 |



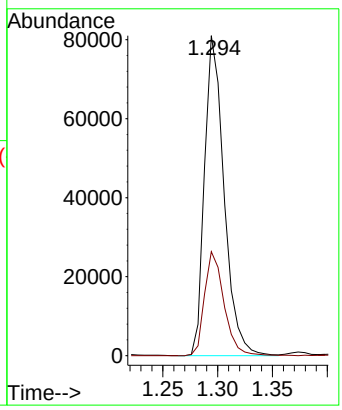


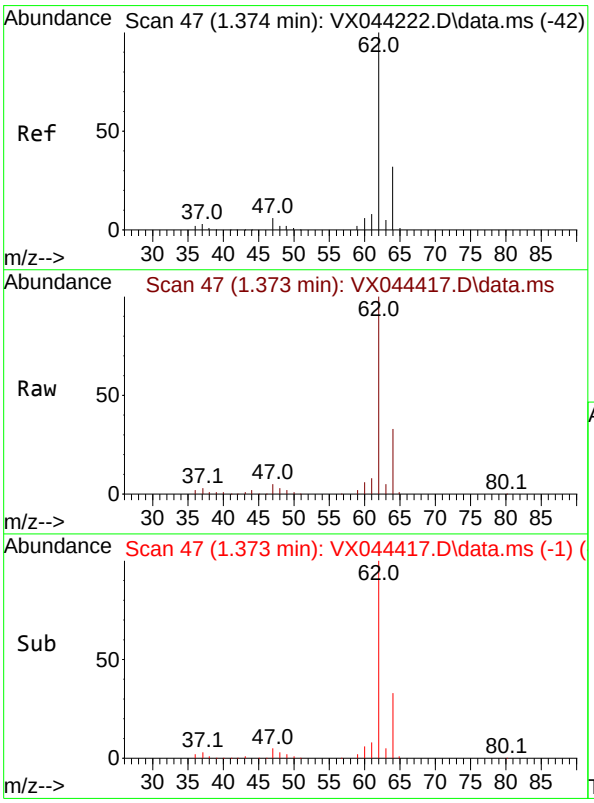

#3
Chloromethane
Concen: 56.393 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 50 Resp: 100546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 26.5 | 39.7 |

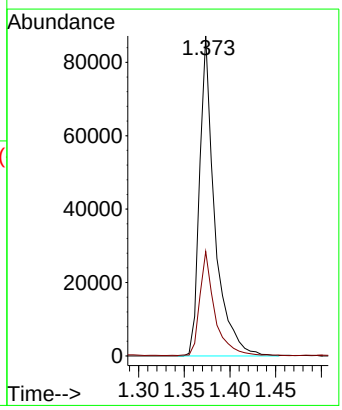


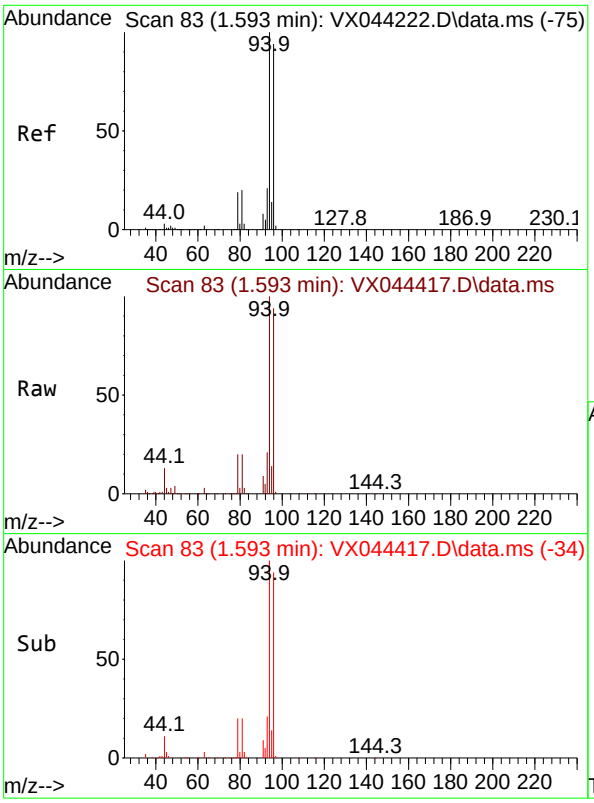




#4
Vinyl Chloride
Concen: 54.006 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 62 Resp: 100314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 25.7 | 38.5 |



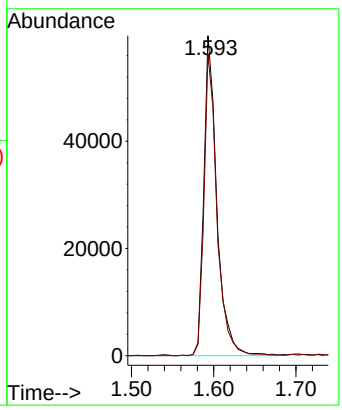


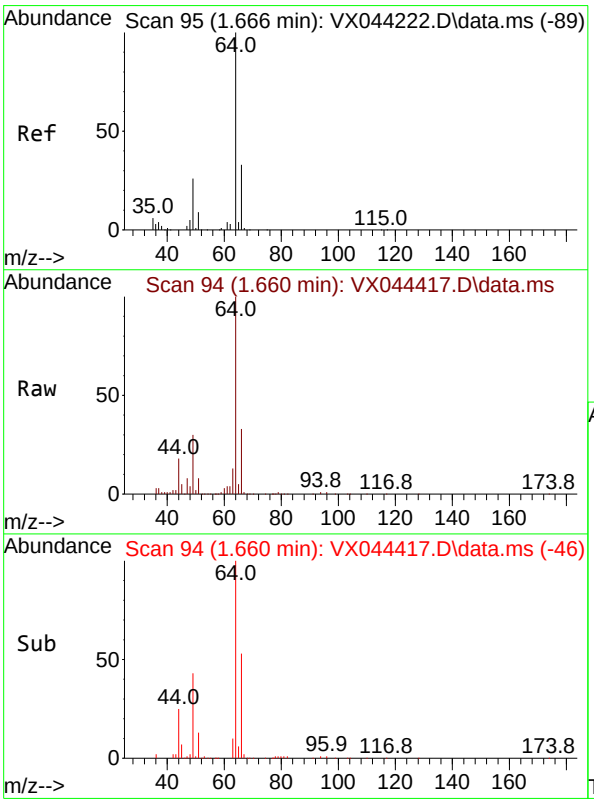

#5
Bromomethane
Concen: 50.108 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 94 Resp: 66030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.1 | 74.9 | 112.3 |

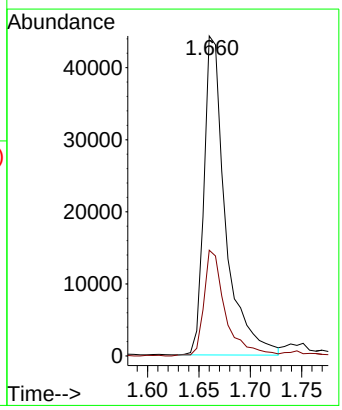


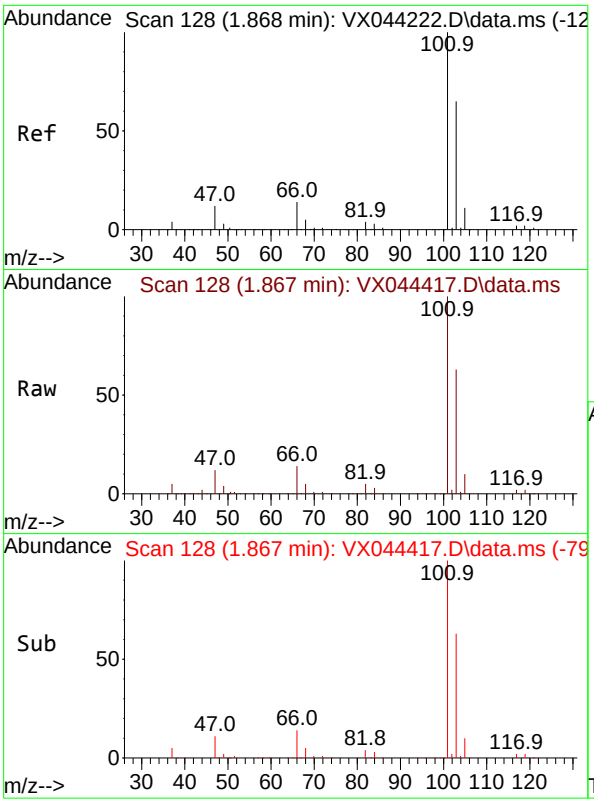




#6
Chloroethane
Concen: 55.848 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 64 Resp: 64595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 26.6 | 39.8 |



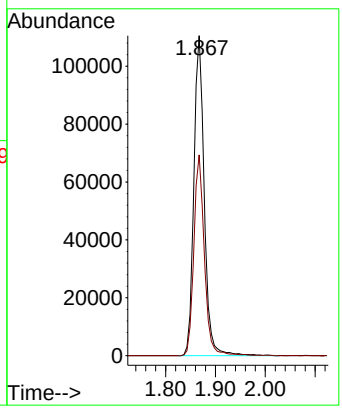


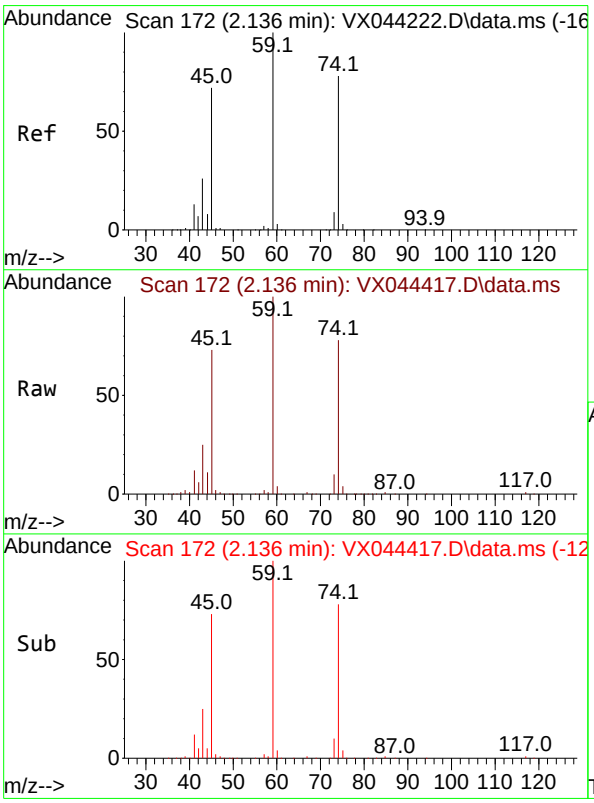

#7
Trichlorofluoromethane
Concen: 43.953 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:101 Resp: 159830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.7 | 51.8 | 77.8 |

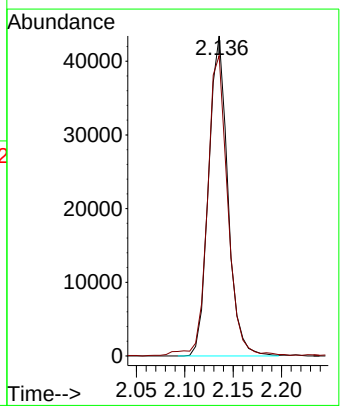


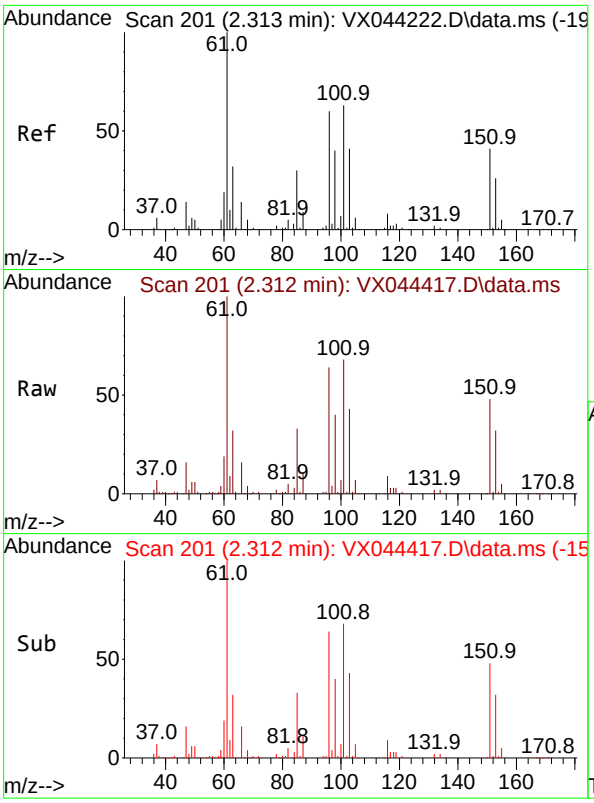




#8
Diethyl Ether
Concen: 48.304 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 74 Resp: 59957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.7 | 48.4 | 145.0 |



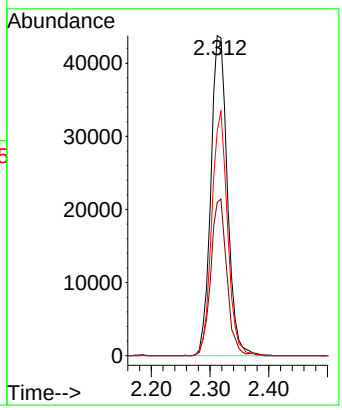


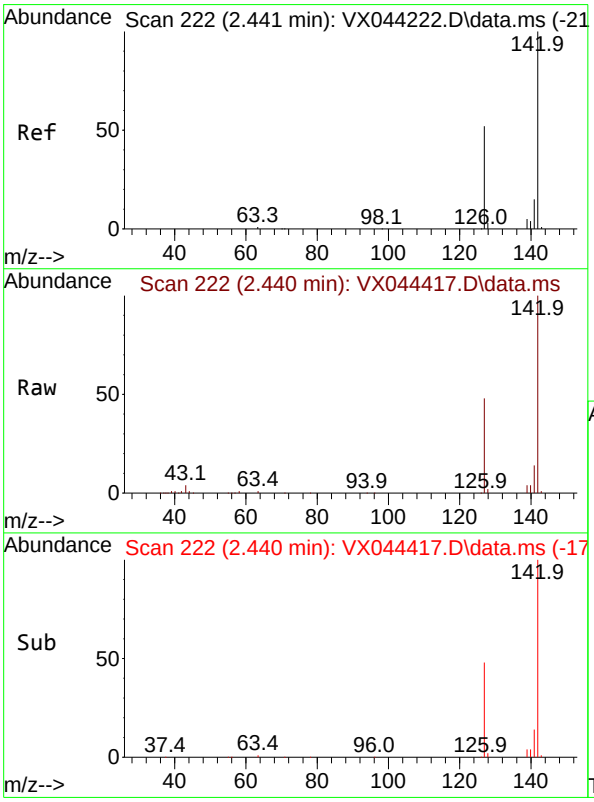

#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.083 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:101 Resp: 85466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.6 | 38.5 | 57.7 |
| 151 | 73.1 | 55.8 | 83.6 |

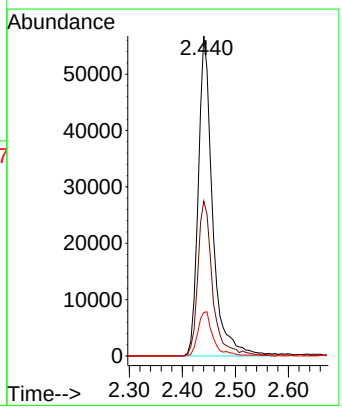


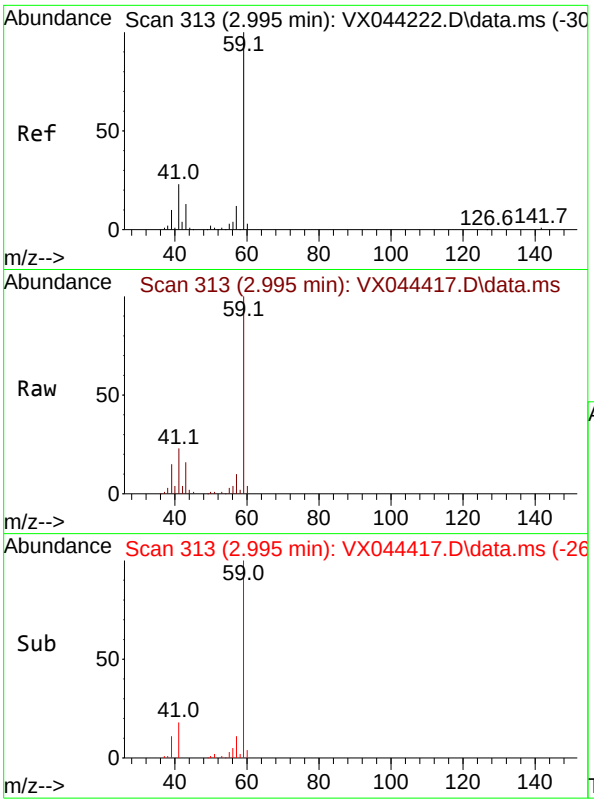




#10
Methyl Iodide
Concen: 55.050 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:142 Resp: 106760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.0 | 41.8 | 62.8 |
| 141 | 14.5 | 11.5 | 17.3 |



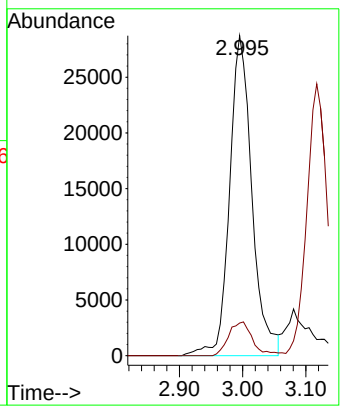


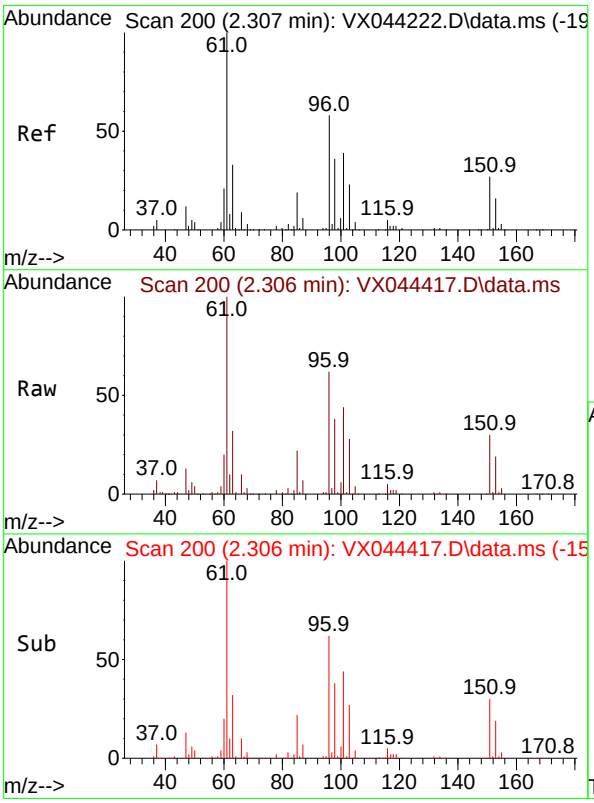

#11
Tert butyl alcohol
Concen: 237.456 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 59 Resp: 70752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.3 | 8.8 | 13.2 |

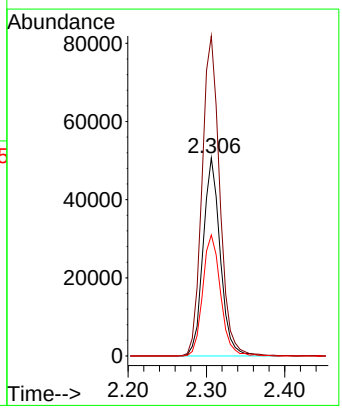


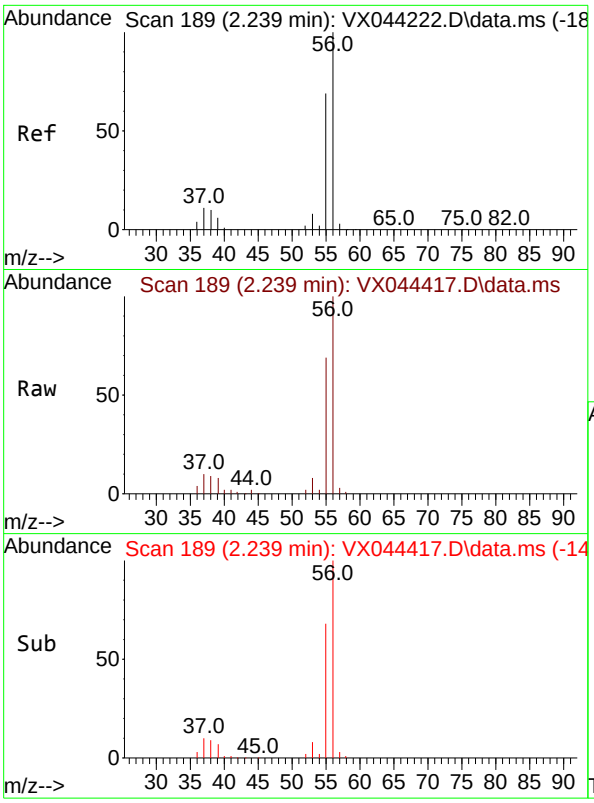




#12
1,1-Dichloroethene
Concen: 56.886 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 96 Resp: 76884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.5 | 138.0 | 207.0 |
| 98 | 61.0 | 50.0 | 75.0 |



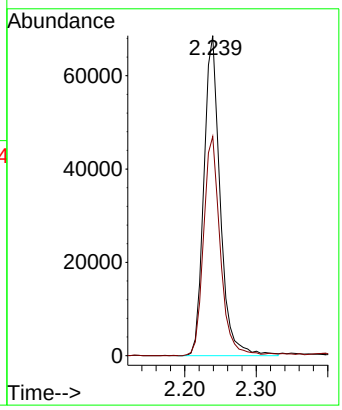


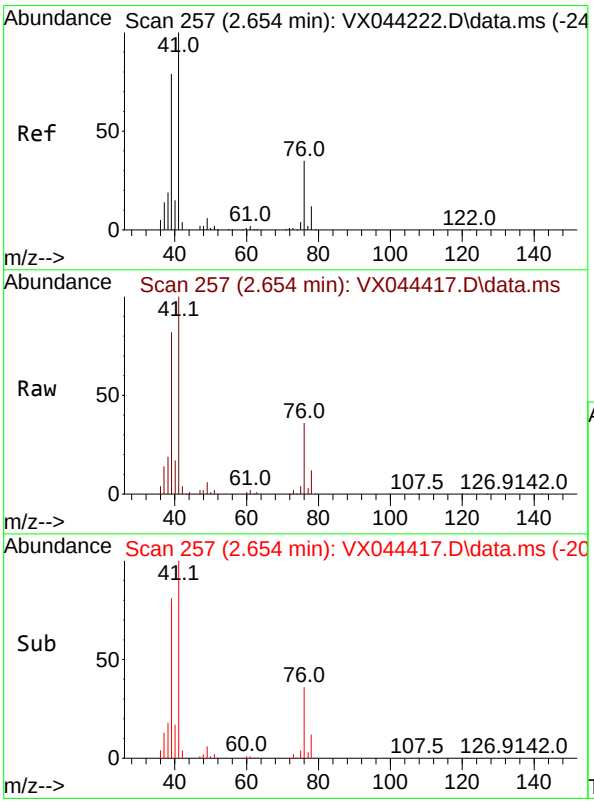

#13
Acrolein
Concen: 251.918 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 56 Resp: 108654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 56.6 | 84.8 |

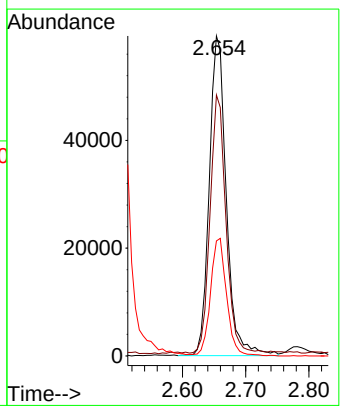


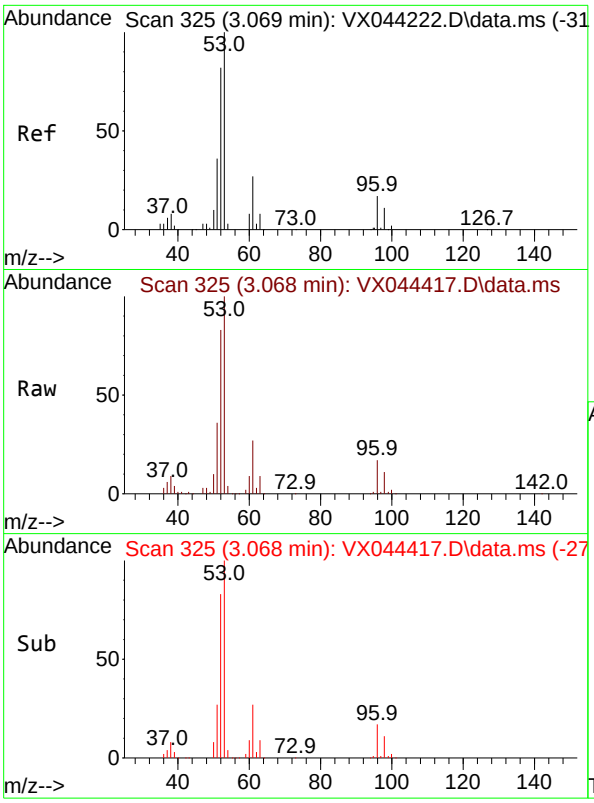




#14
Allyl chloride
Concen: 49.361 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 41 Resp: 111120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.0 | 61.9 | 92.9 |
| 76 | 34.8 | 27.4 | 41.2 |



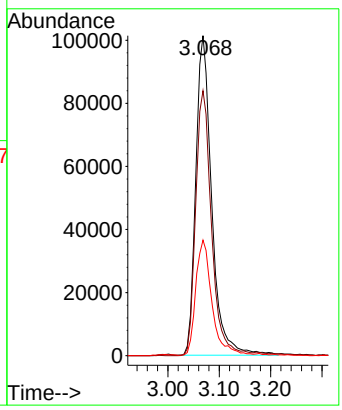


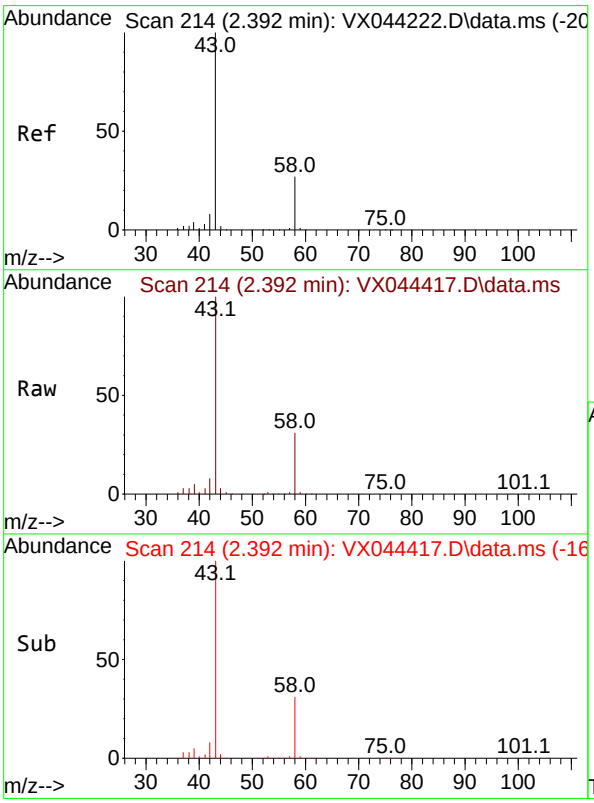

#15
Acrylonitrile
Concen: 264.782 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 53 Resp: 218540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.4 | 67.4 | 101.0 |
| 51 | 36.3 | 30.3 | 45.5 |

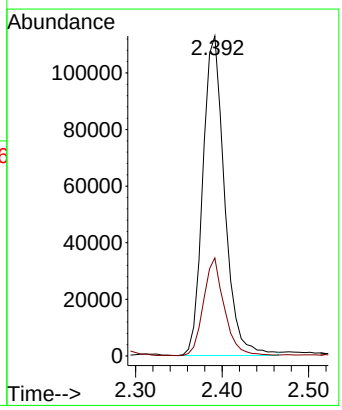


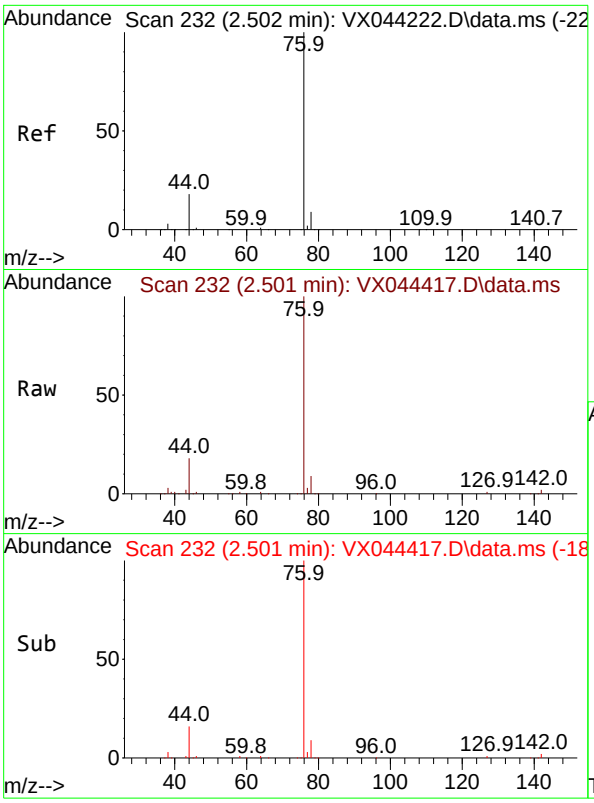




#16
Acetone
Concen: 228.663 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 43 Resp: 197086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.6 | 21.6 | 32.4 |



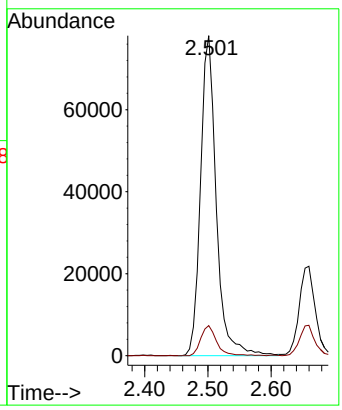


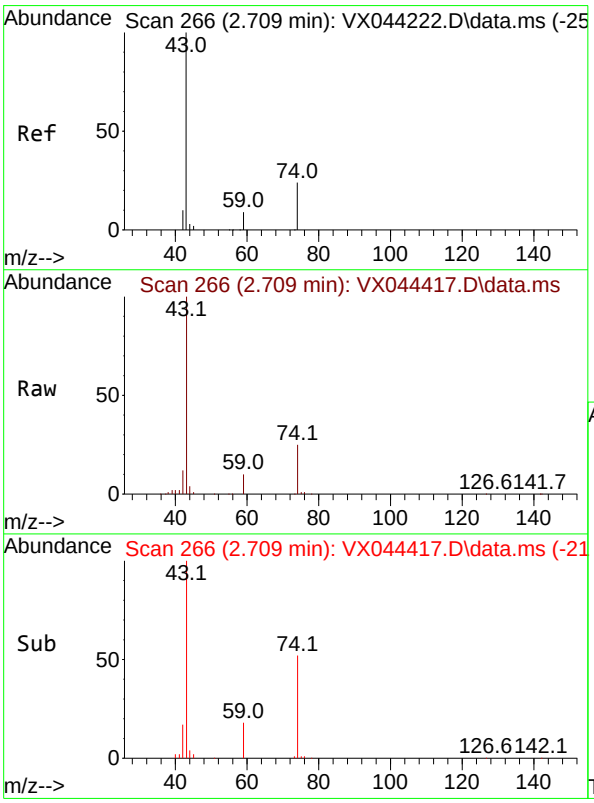

#17
Carbon Disulfide
Concen: 52.664 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 76 Resp: 135299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |

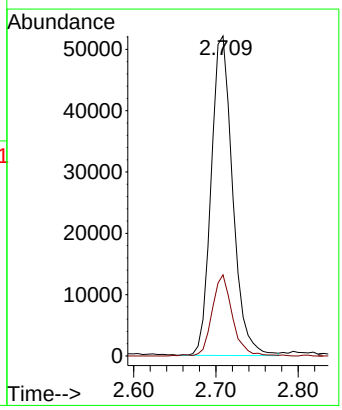


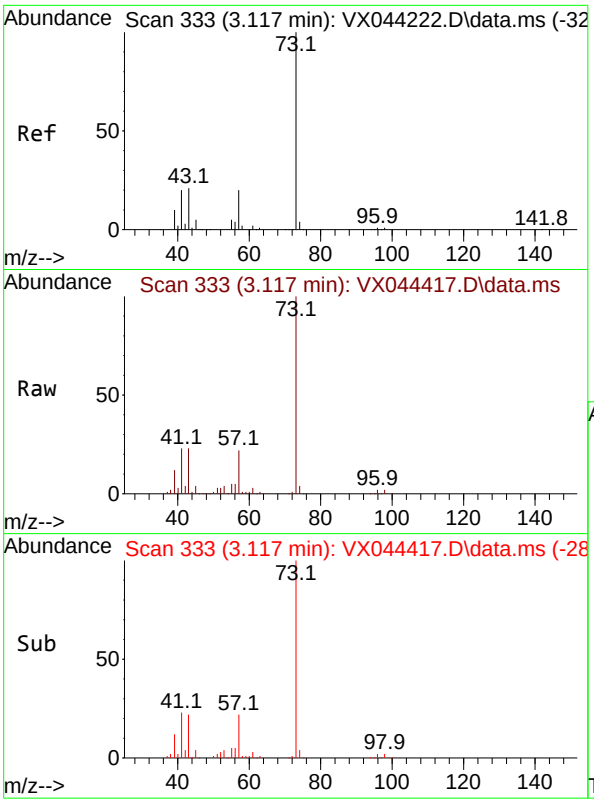




#18
Methyl Acetate
Concen: 42.640 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 43 Resp: 94760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.0 | 17.7 | 26.5 |



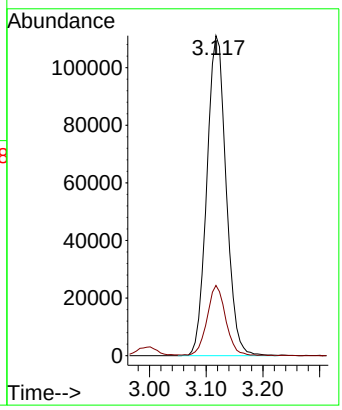


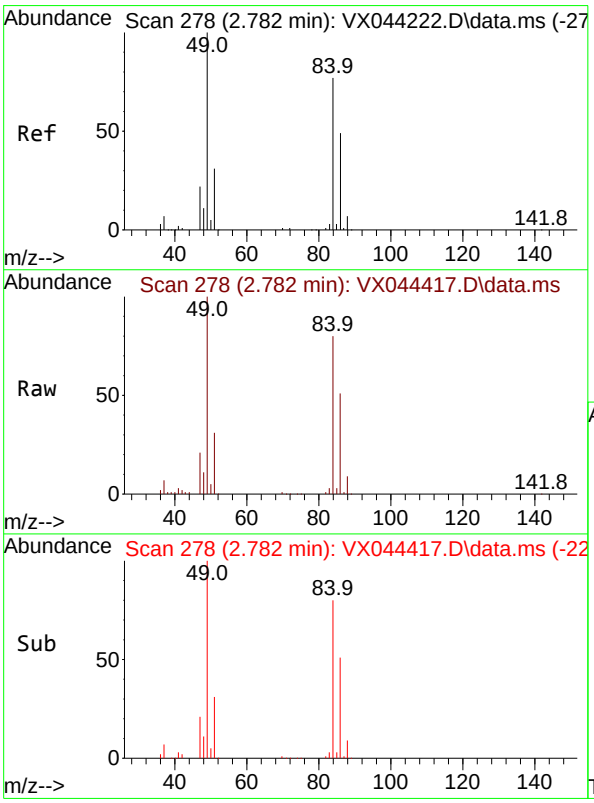

#19
Methyl tert-butyl Ether
Concen: 49.744 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 73 Resp: 262360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 16.2 | 24.4 |

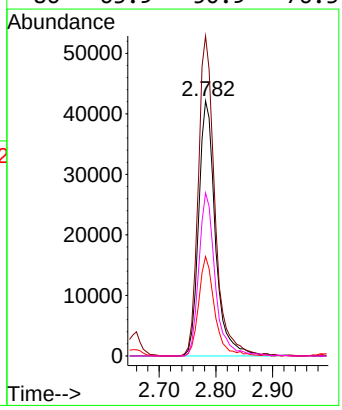


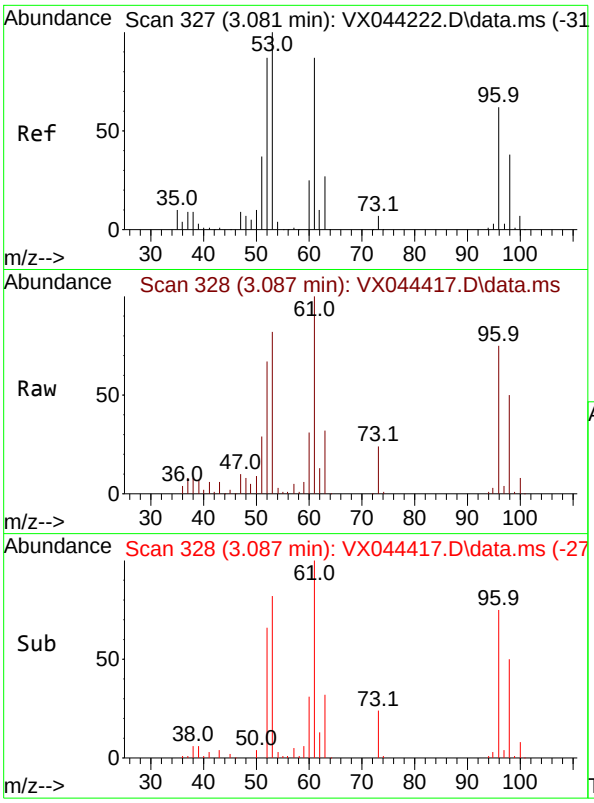




#20
Methylene Chloride
Concen: 53.348 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 84 Resp: 86364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.4 | 104.2 | 156.4 |
| 51 | 38.9 | 32.2 | 48.4 |
| 86 | 63.9 | 50.9 | 76.3 |



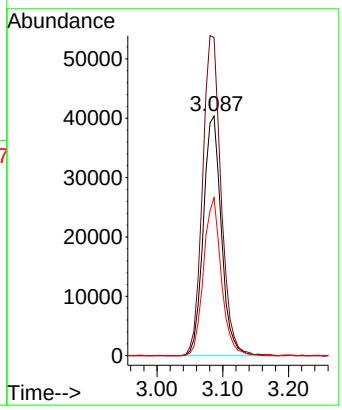


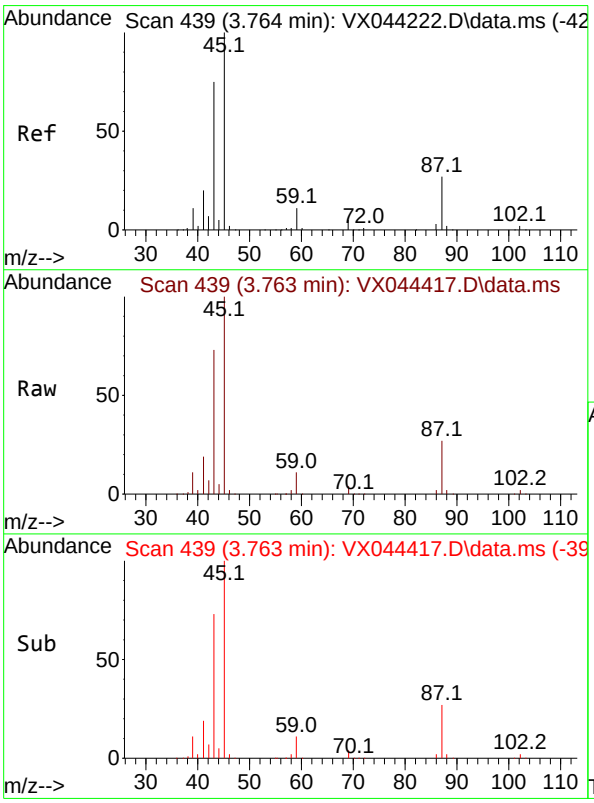

#21
trans-1,2-Dichloroethene
Concen: 53.619 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 96 Resp: 77018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.0 | 112.0 | 168.0 |
| 98 | 65.9 | 48.8 | 73.2 |

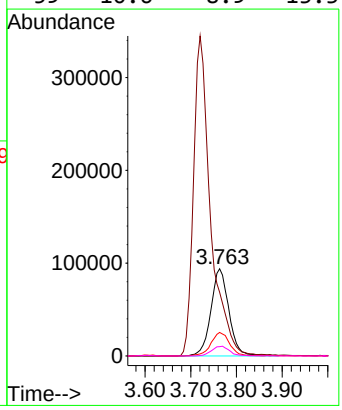


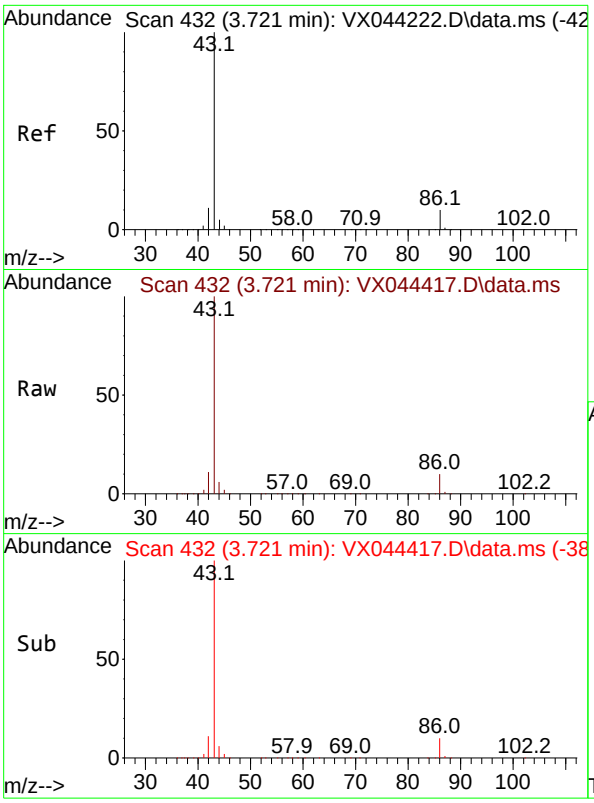




#22
Diisopropyl ether
Concen: 50.718 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 45 Resp: 257102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 72.8 | 60.2 | 90.2 |
| 87 | 26.9 | 21.2 | 31.8 |
| 59 | 10.6 | 8.9 | 13.3 |



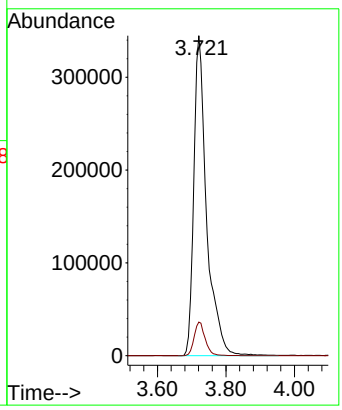


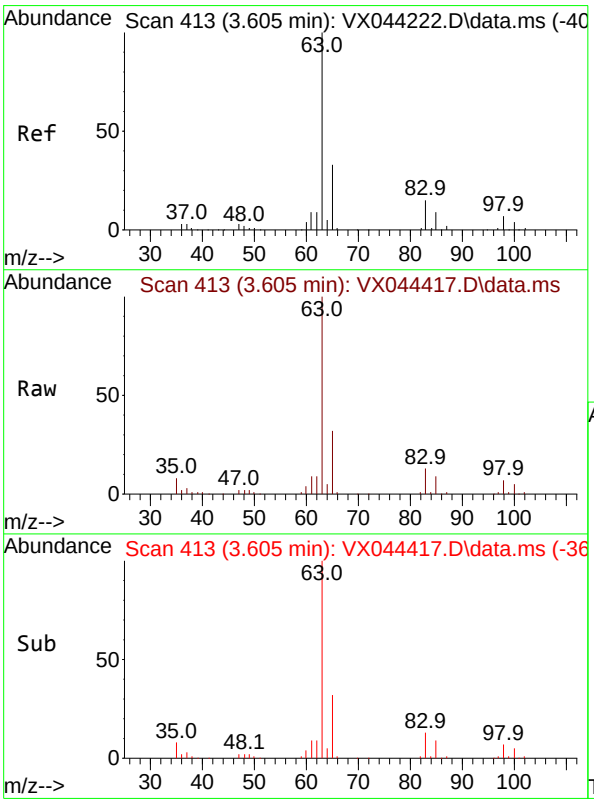

#23
Vinyl Acetate
Concen: 218.156 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 43 Resp: 899088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.2 | 12.2 |

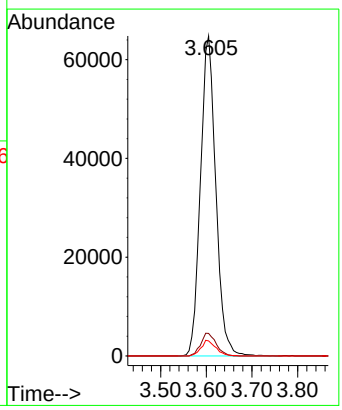


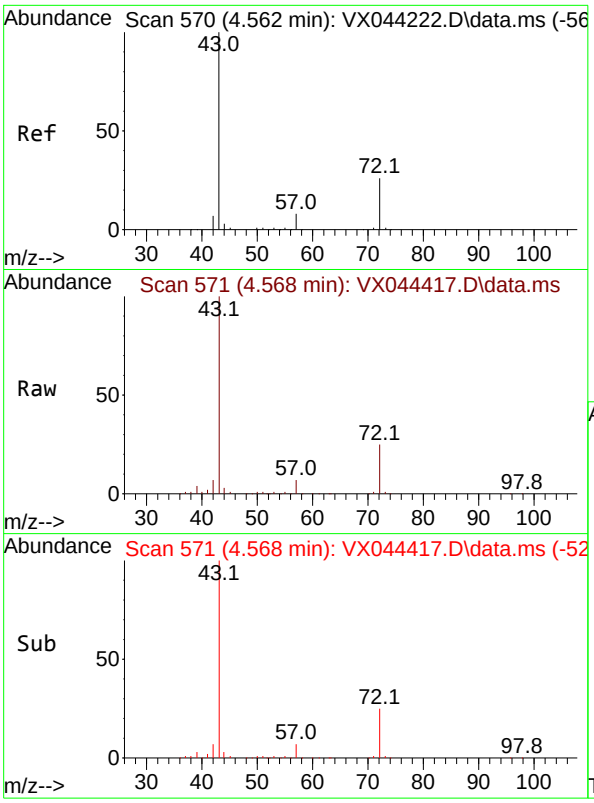




#24
1,1-Dichloroethane
Concen: 53.424 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 63 Resp: 150960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |



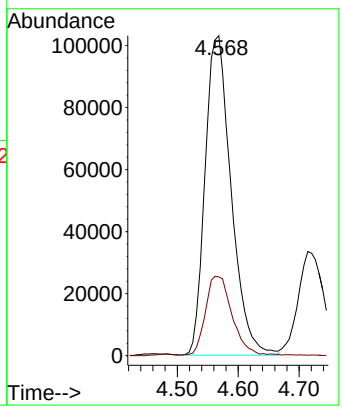


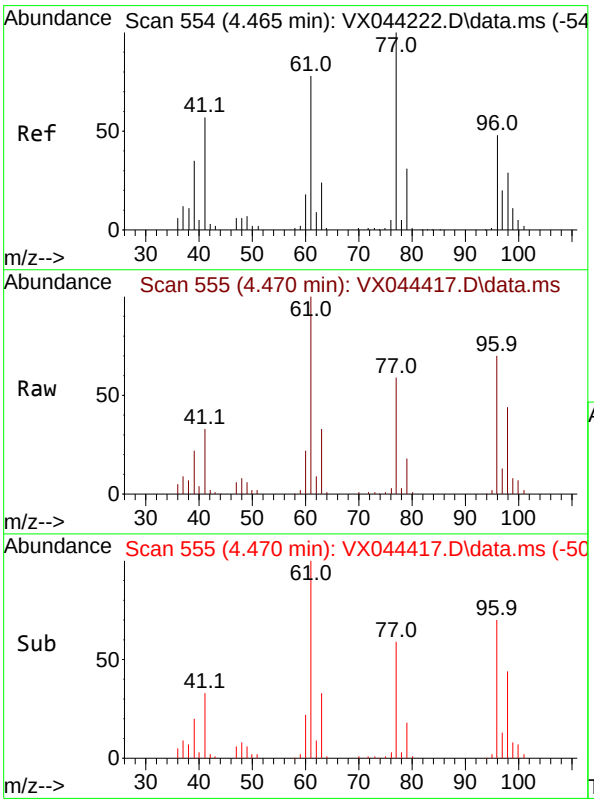

#25
2-Butanone
Concen: 250.229 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 43 Resp: 306611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.3 | 20.2 | 30.4 |

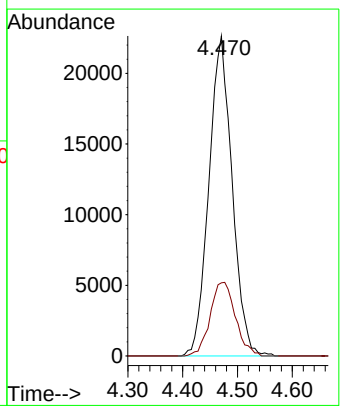


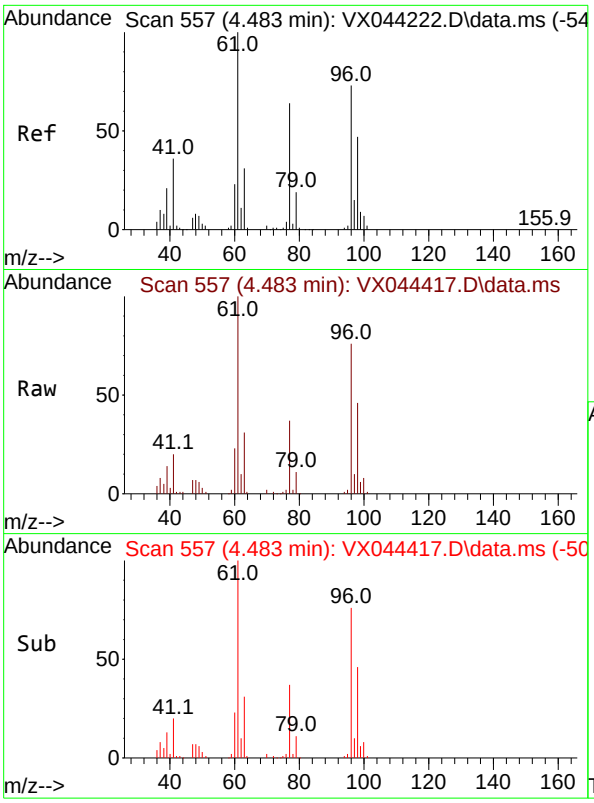




#26
2,2-Dichloropropane
Concen: 29.022 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 77 Resp: 66622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 25.1 | 10.7 | 32.1 |



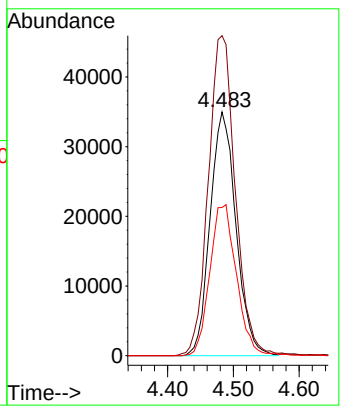


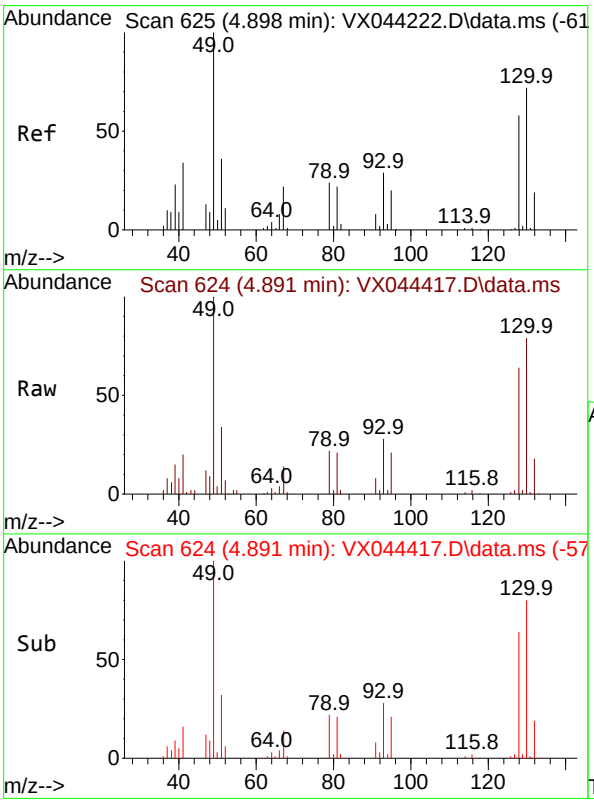

#27
cis-1,2-Dichloroethene
Concen: 52.601 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 96 Resp: 95958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.9 | 0.0 | 299.0 |
| 98 | 63.8 | 0.0 | 129.0 |

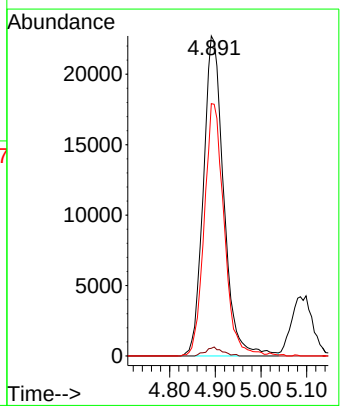


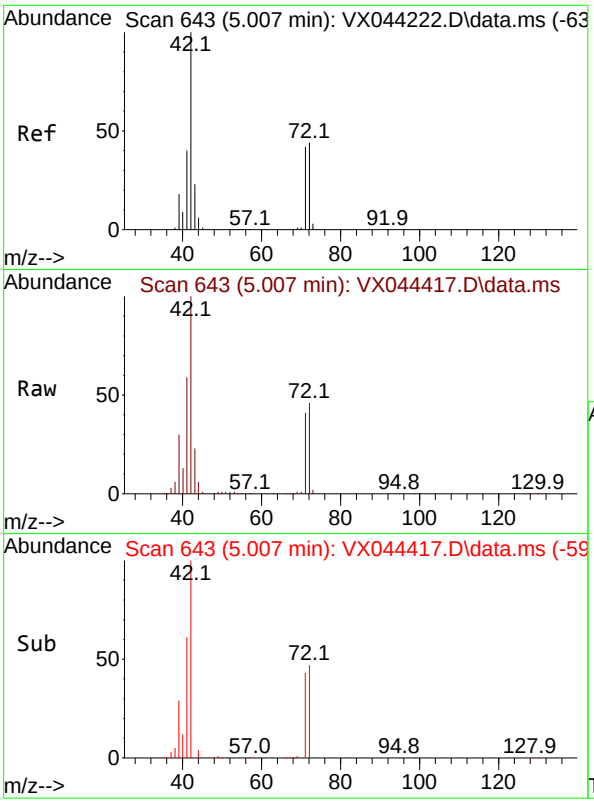




#28
Bromochloromethane
Concen: 50.584 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 49 Resp: 70090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.2 |
| 130 | 76.9 | 62.1 | 93.1 |



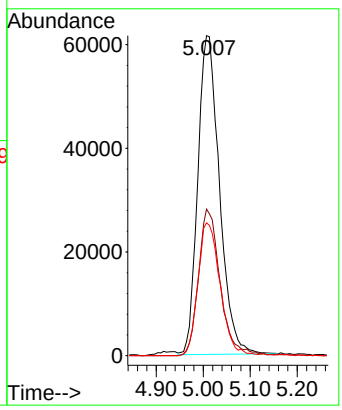


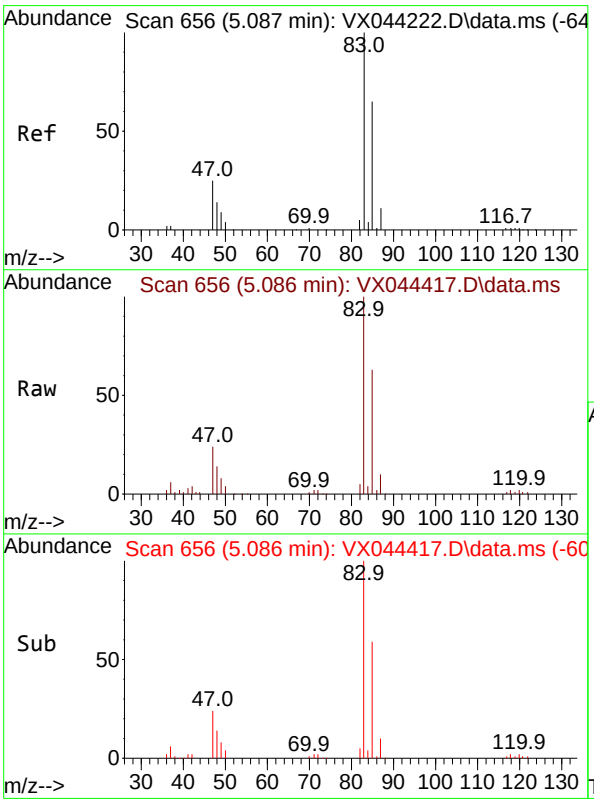

#29
Tetrahydrofuran
Concen: 250.581 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 42 Resp: 197080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.7 | 37.0 | 55.6 |
| 71 | 42.7 | 33.6 | 50.4 |

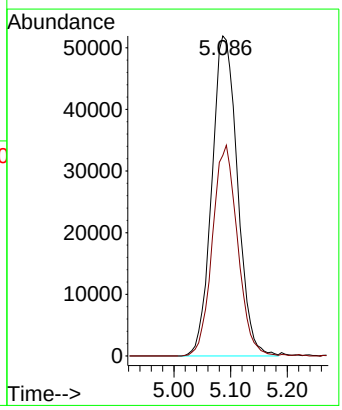


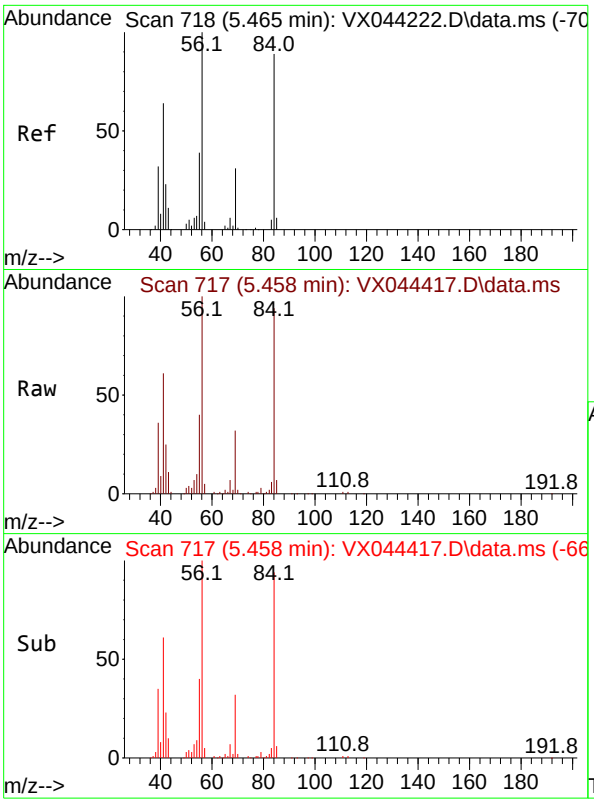




#30
Chloroform
Concen: 51.296 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 83 Resp: 162853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.7 | 51.6 | 77.4 |



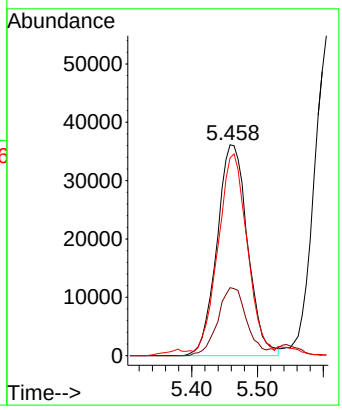


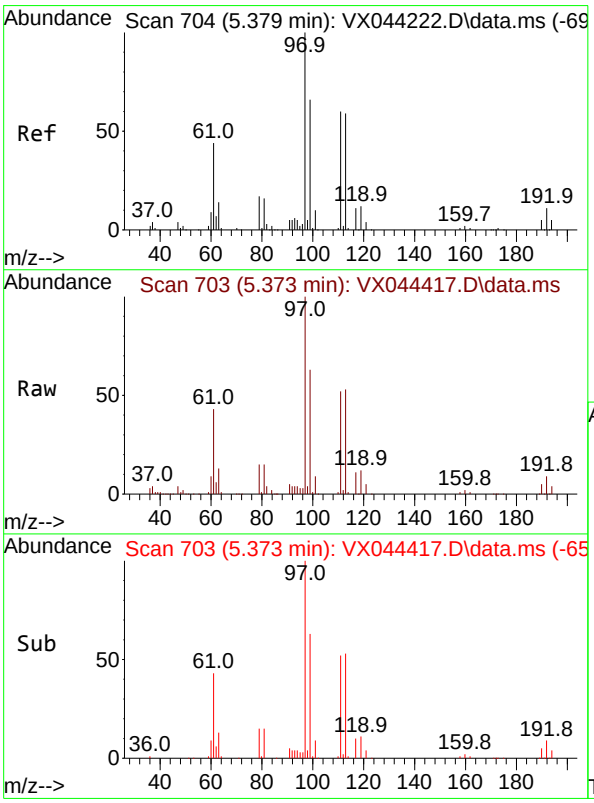

#31
Cyclohexane
Concen: 51.232 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 56 Resp: 116900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 24.7 | 37.1 |
| 84 | 90.6 | 71.0 | 106.6 |

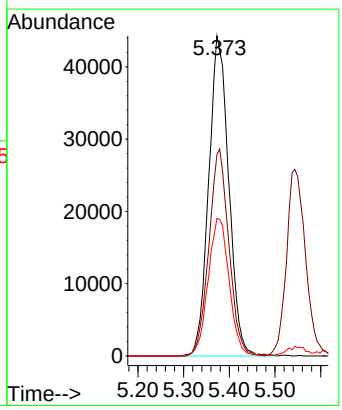


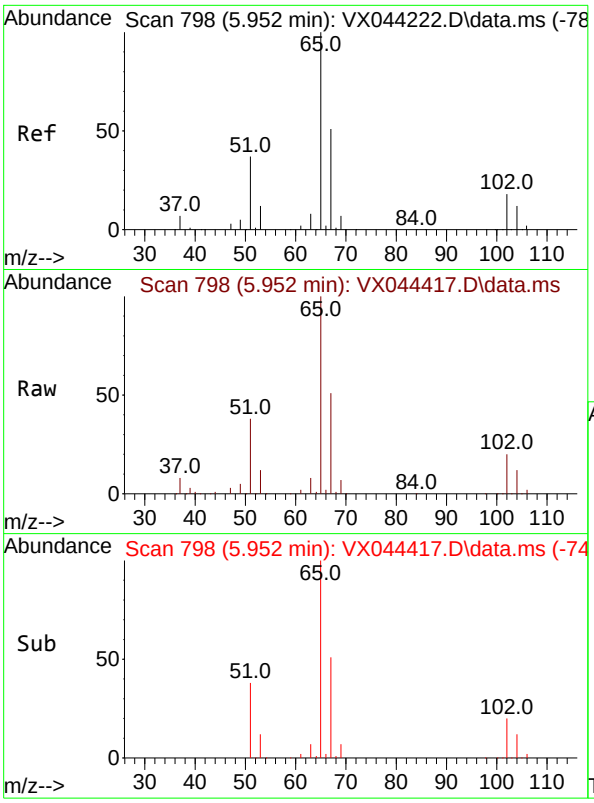




#32
1,1,1-Trichloroethane
Concen: 51.181 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 97 Resp: 134879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 50.8 | 76.2 |
| 61 | 45.2 | 35.2 | 52.8 |



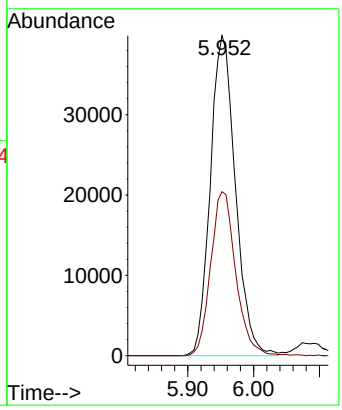


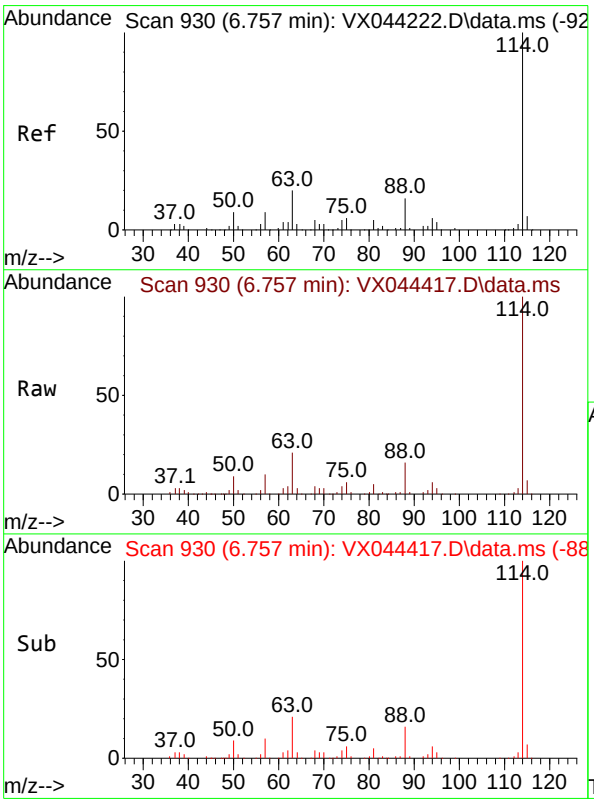

#33
1,2-Dichloroethane-d4
Concen: 50.125 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 65 Resp: 105971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 101.6 |

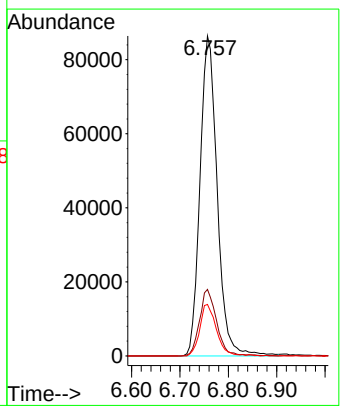


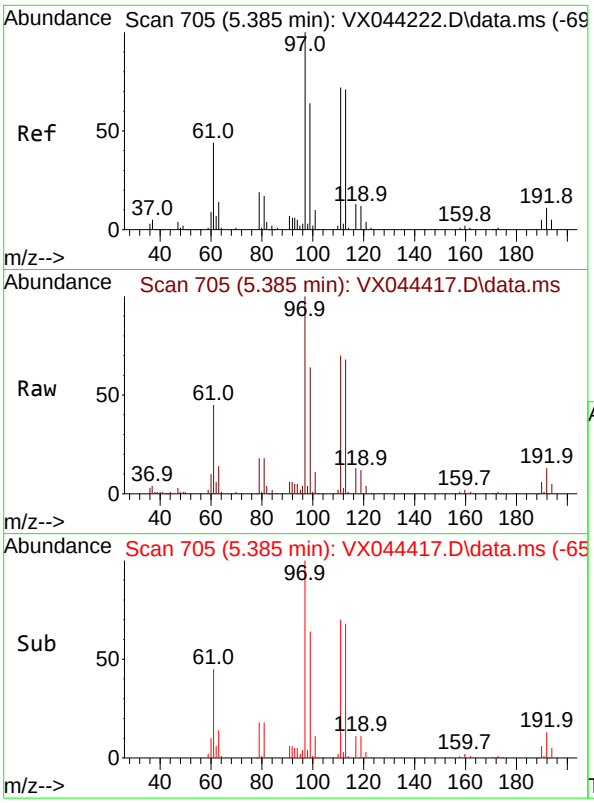




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:114 Resp: 213617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 40.6 |
| 88 | 16.1 | 0.0 | 31.8 |



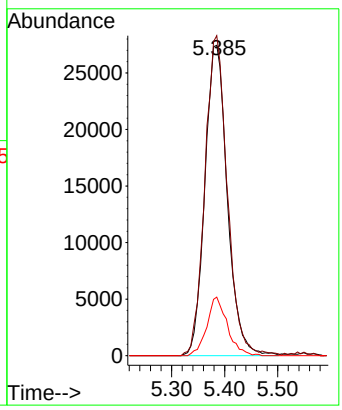


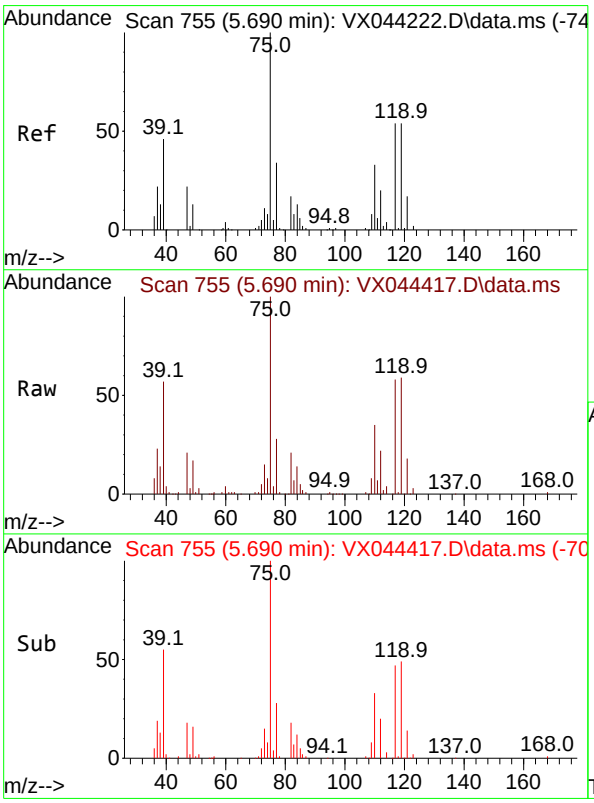

#35
Dibromofluoromethane
Concen: 54.545 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:113 Resp: 80699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 80.4 | 120.6 |
| 192 | 17.3 | 13.3 | 19.9 |

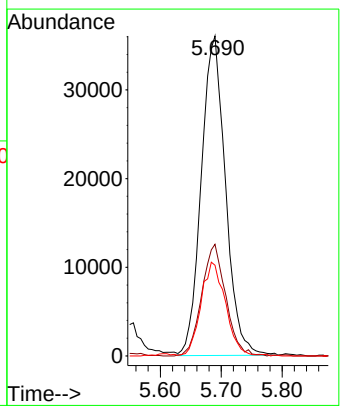


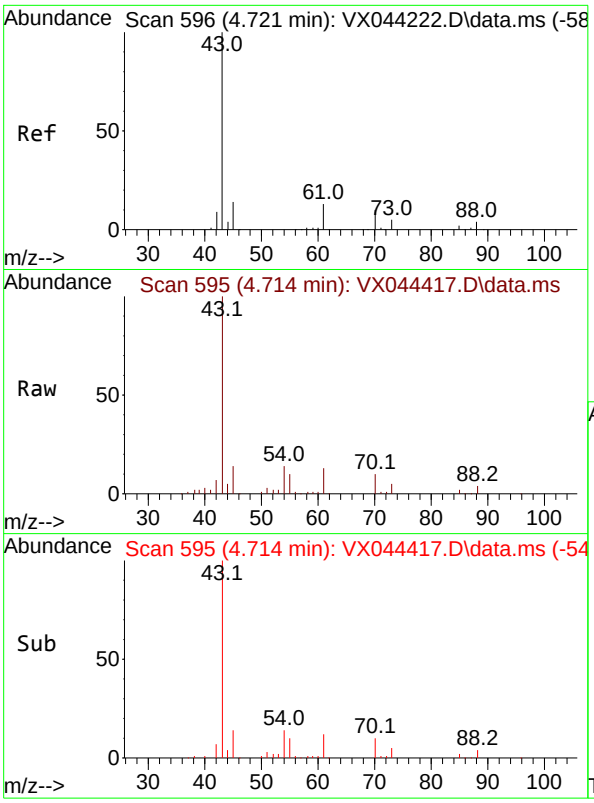




#36
1,1-Dichloropropene
Concen: 52.127 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 75 Resp: 99689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.3 | 51.7 |
| 77 | 29.2 | 25.4 | 38.0 |



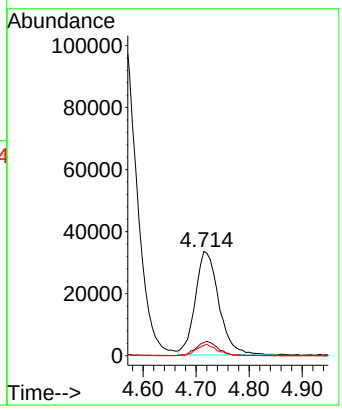


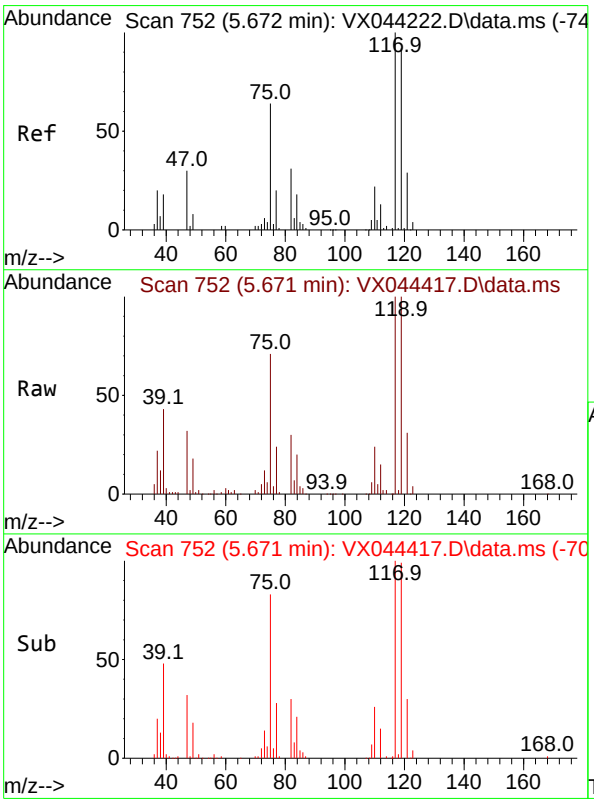

#37
Ethyl Acetate
Concen: 43.755 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 43 Resp: 103439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 9.8 | 14.8 |
| 70 | 9.6 | 7.7 | 11.5 |

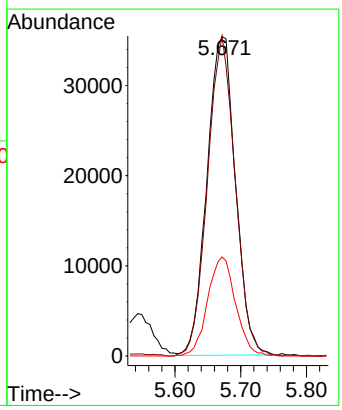


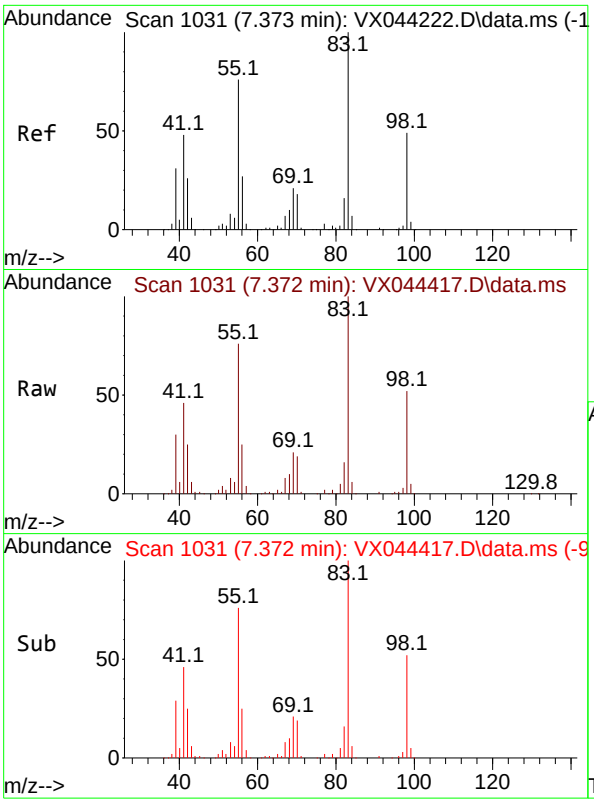




#38
Carbon Tetrachloride
Concen: 51.832 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:117 Resp: 106720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 100.2 | 74.2 | 111.4 |
| 121 | 31.1 | 23.0 | 34.6 |



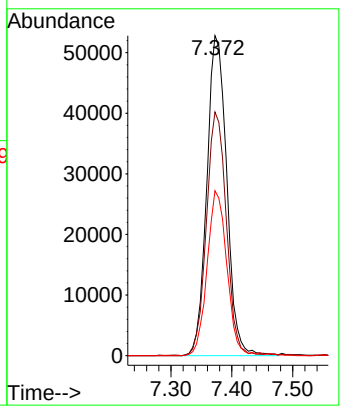


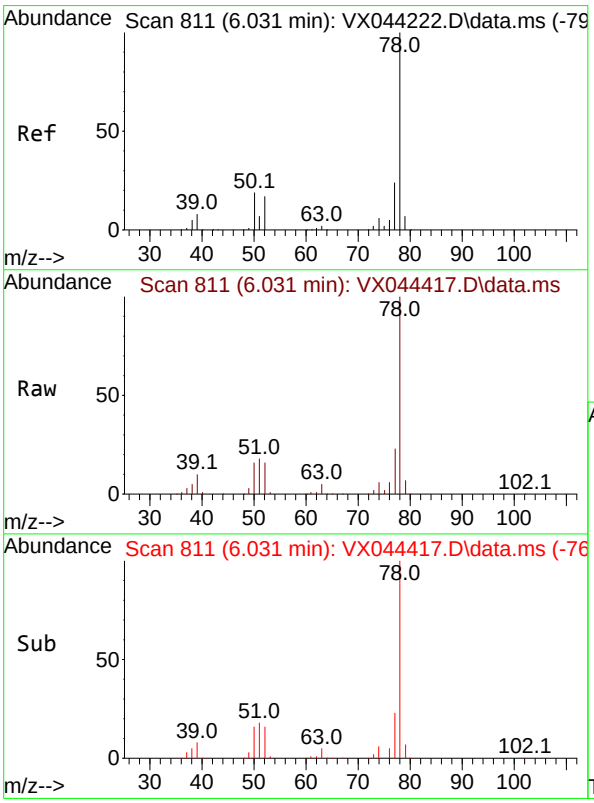

#39
Methylcyclohexane
Concen: 52.572 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 83 Resp: 120195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.0 | 60.7 | 91.1 |
| 98 | 51.6 | 38.9 | 58.3 |

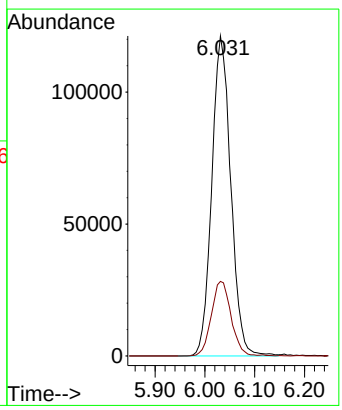


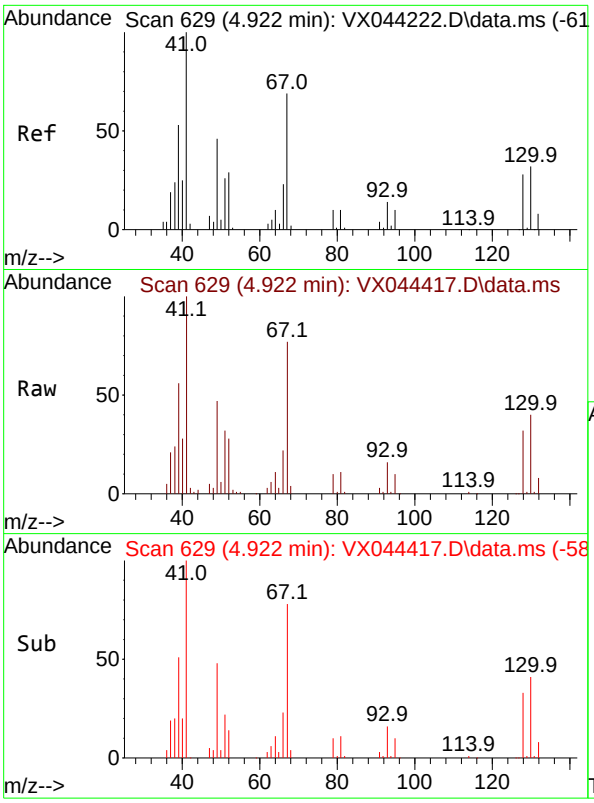




#40
Benzene
Concen: 55.265 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 78 Resp: 320899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.3 | 19.3 | 28.9 |



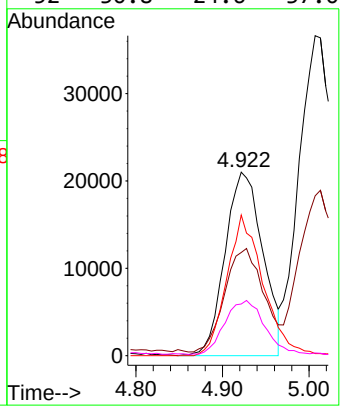


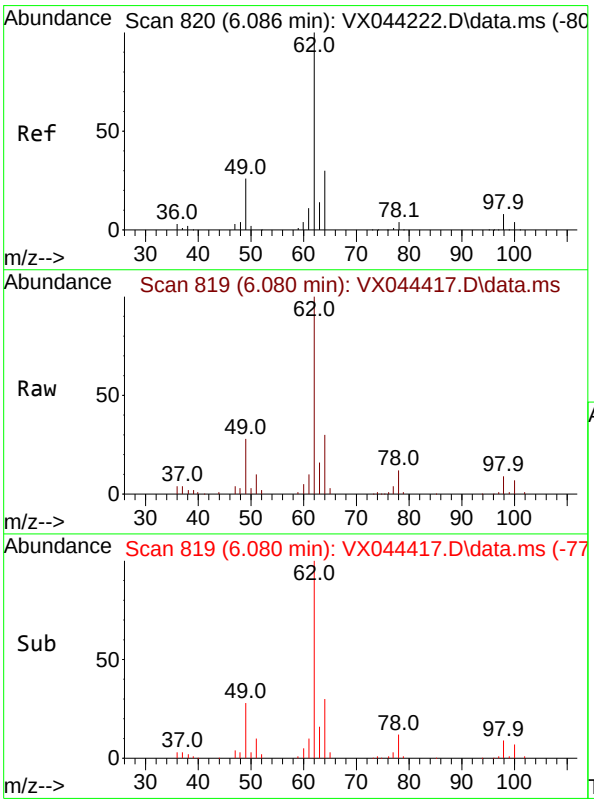

#41
Methacrylonitrile
Concen: 50.785 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 41 Resp: 63751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.4 | 44.2 | 66.4 |
| 67 | 74.6 | 57.2 | 85.8 |
| 52 | 30.8 | 24.6 | 37.0 |

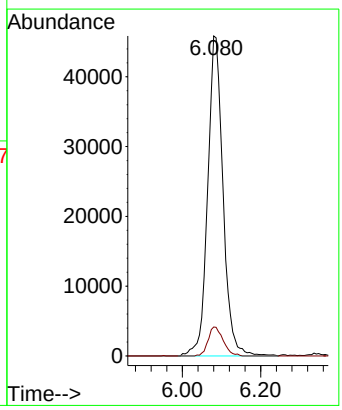


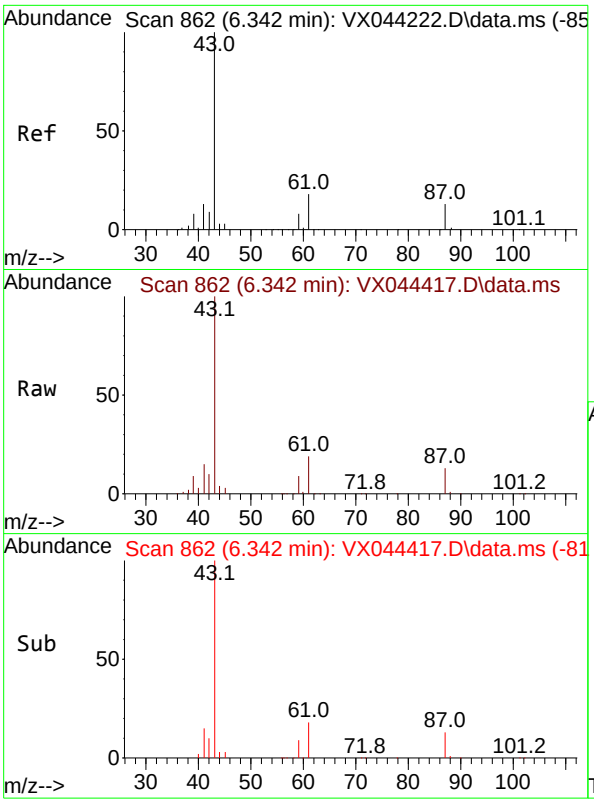




#42
1,2-Dichloroethane
Concen: 52.015 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 62 Resp: 124414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 15.8 |



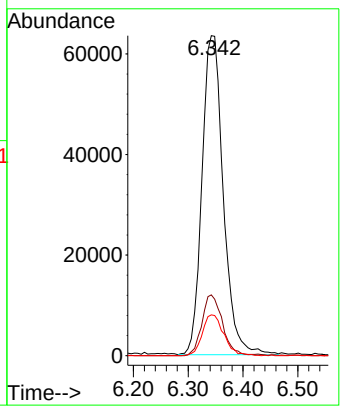


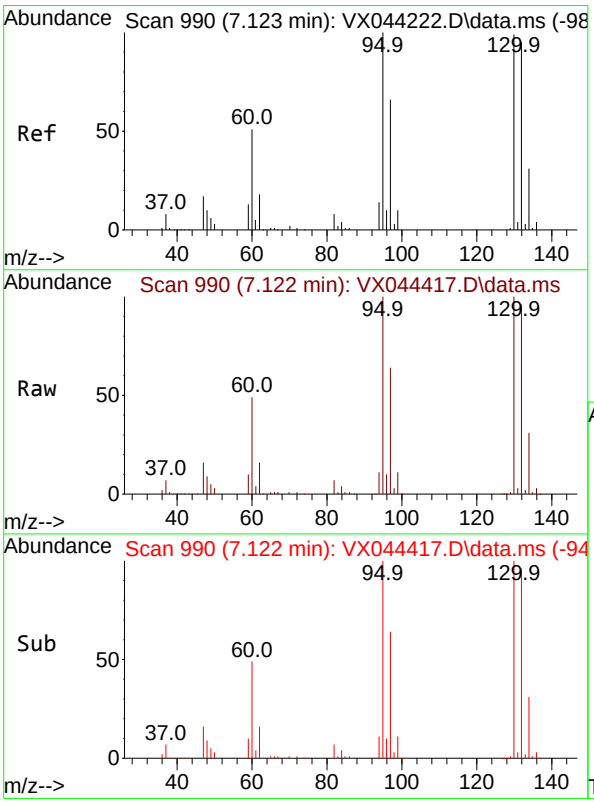

#43
Isopropyl Acetate
Concen: 46.279 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 43 Resp: 170996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.2 | 21.2 |
| 87 | 12.9 | 10.2 | 15.2 |

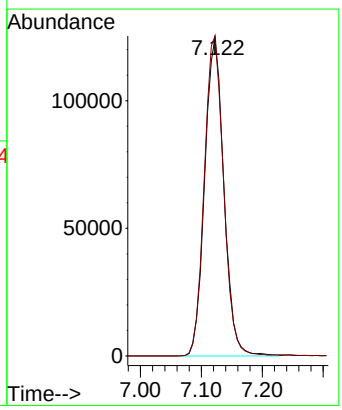


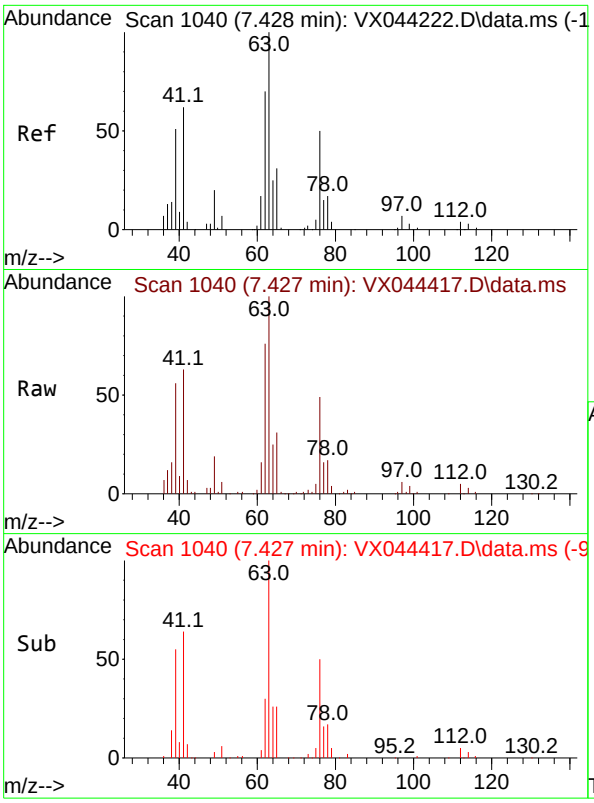




#44
Trichloroethene
Concen: 188.381 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:130 Resp: 272774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.4 | 0.0 | 201.4 |



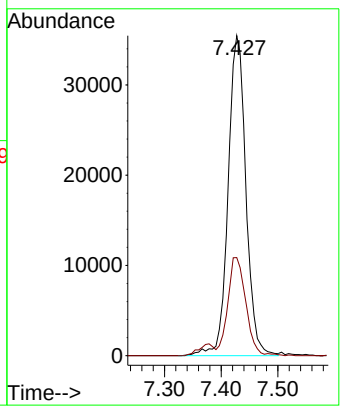


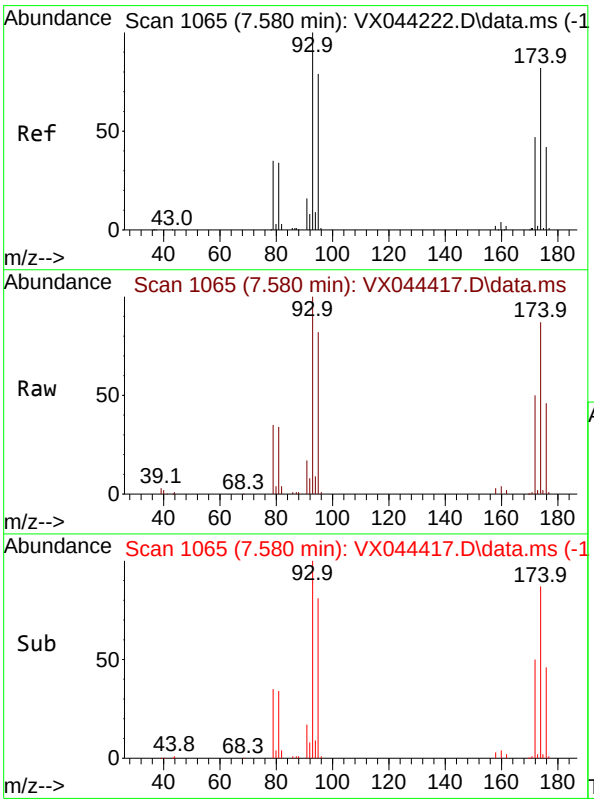

#45
1,2-Dichloropropane
Concen: 52.158 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 63 Resp: 77375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.6 | 37.0 |

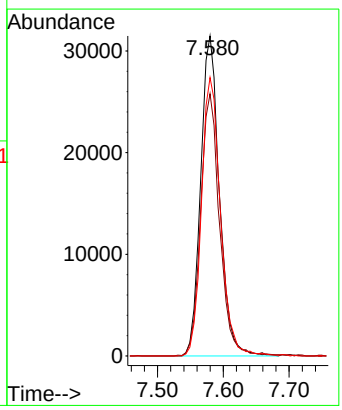


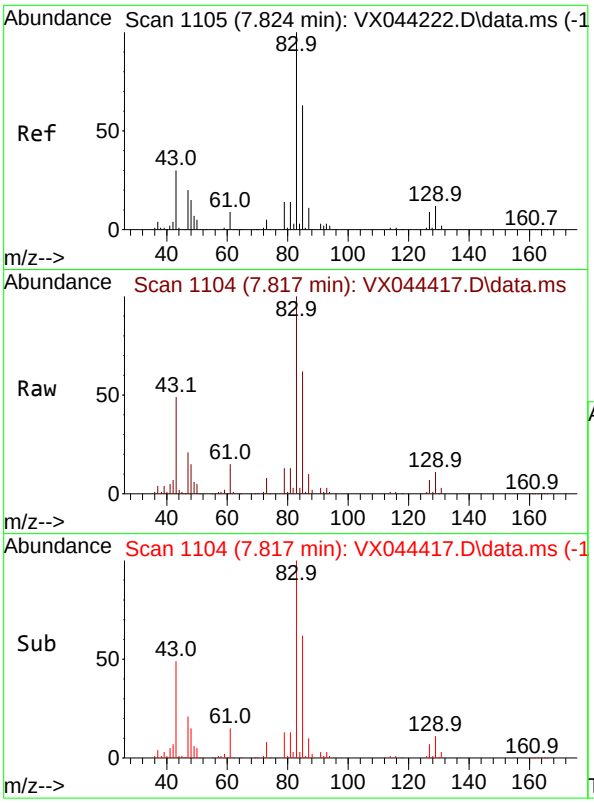




#46
Dibromomethane
Concen: 54.327 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 93 Resp: 62524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 65.4 | 98.2 |
| 174 | 88.2 | 67.9 | 101.9 |



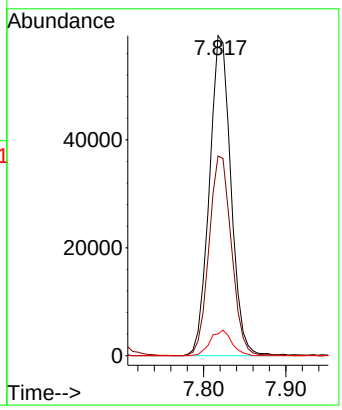


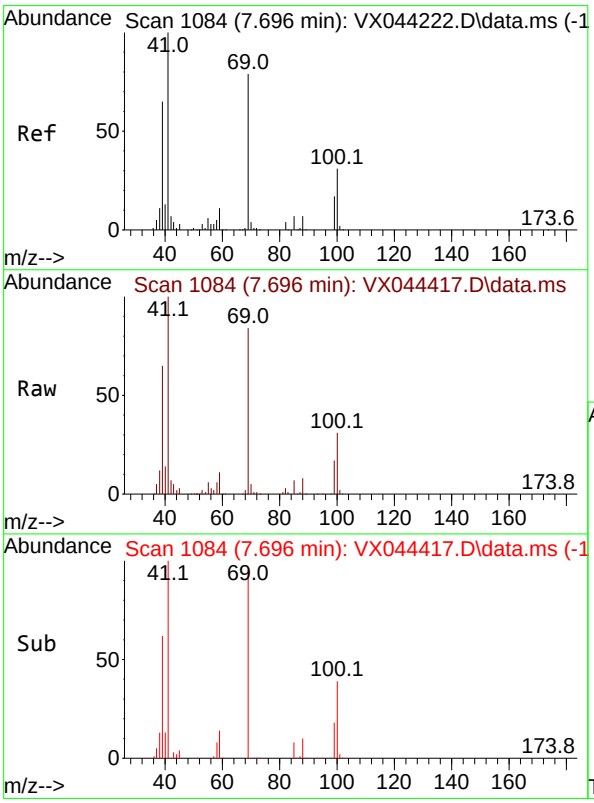

#47
Bromodichloromethane
Concen: 54.314 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 83 Resp: 107956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 50.6 | 75.8 |
| 127 | 6.8 | 7.3 | 10.9# |

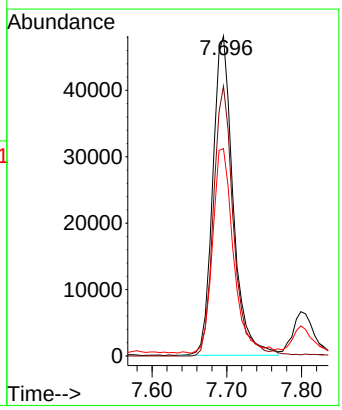


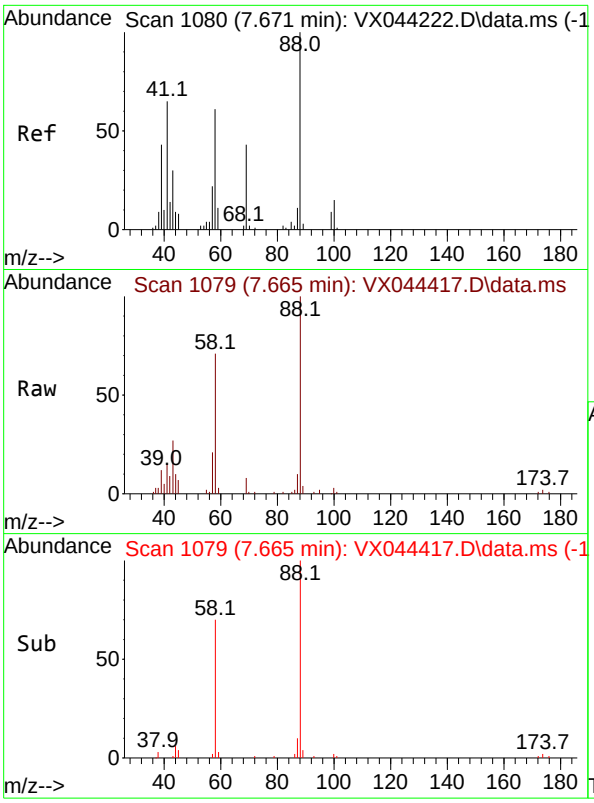




#48
Methyl methacrylate
Concen: 50.787 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 41 Resp: 91092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.6 | 62.4 | 93.6 |
| 39 | 66.2 | 53.3 | 79.9 |



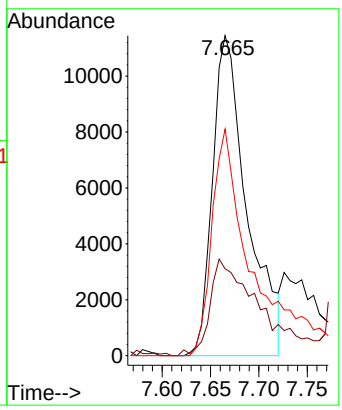


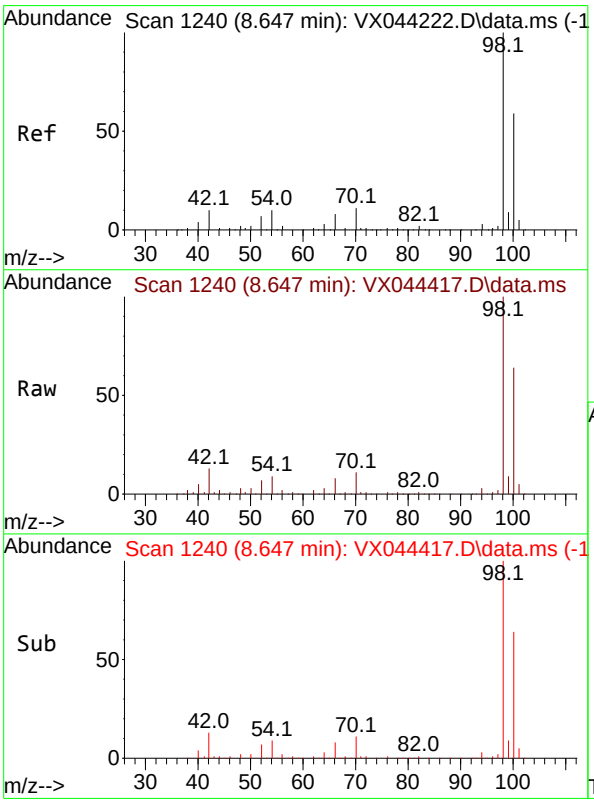

#49
1,4-Dioxane
Concen: 956.536 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 88 Resp: 28445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.2 | 27.1 | 40.7# |
| 58 | 83.2 | 41.0 | 61.4# |

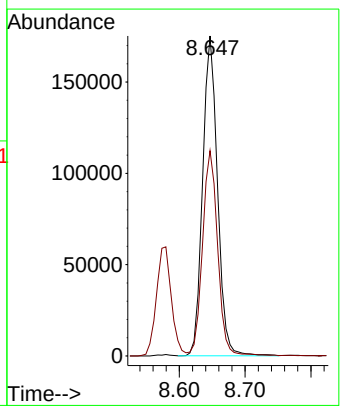


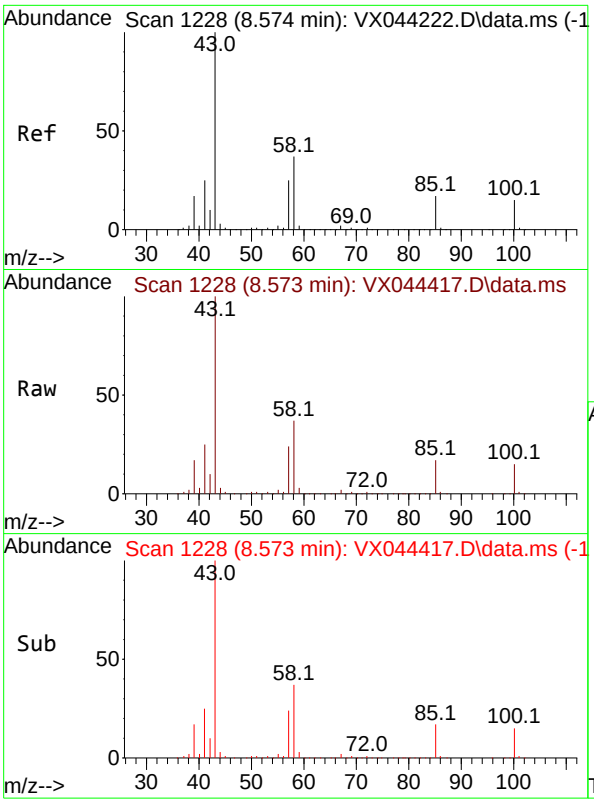




#50
Toluene-d8
Concen: 55.215 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 98 Resp: 275601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 51.5 | 77.3 |



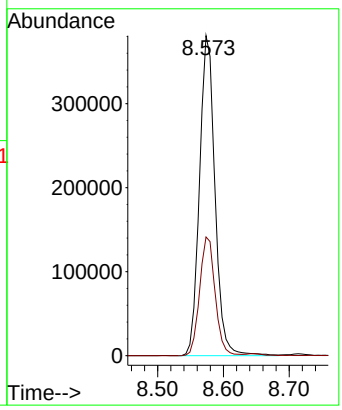


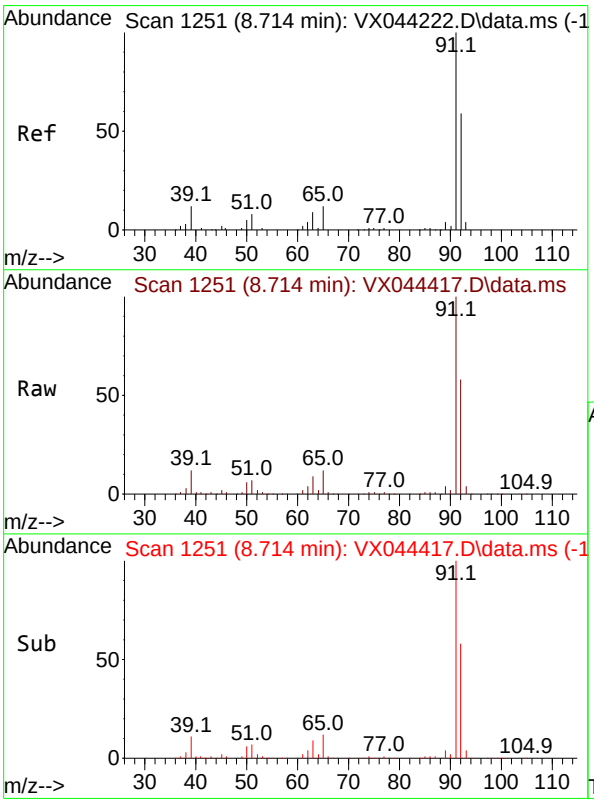

#51
4-Methyl-2-Pentanone
Concen: 262.151 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 43 Resp: 622807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 29.4 | 44.0 |

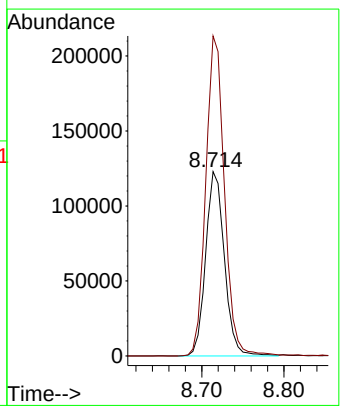


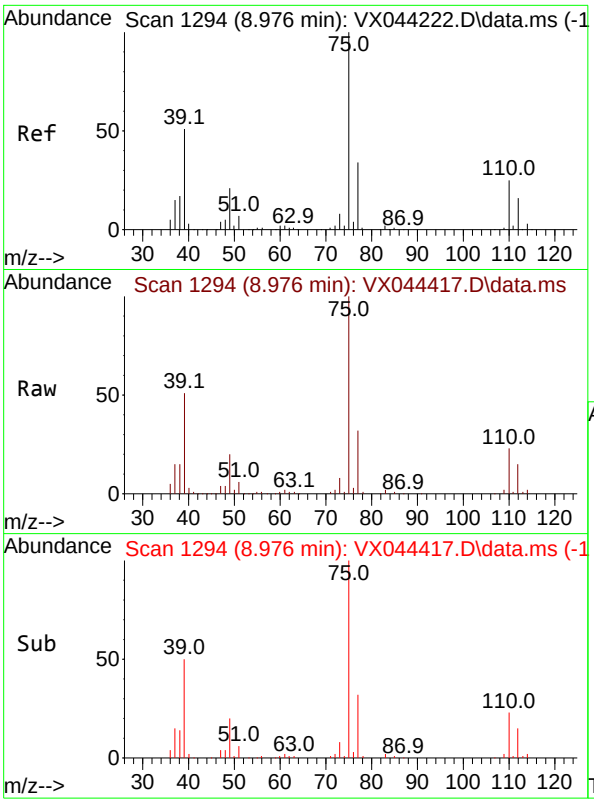




#52
Toluene
Concen: 53.428 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 92 Resp: 194818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.7 | 137.0 | 205.6 |



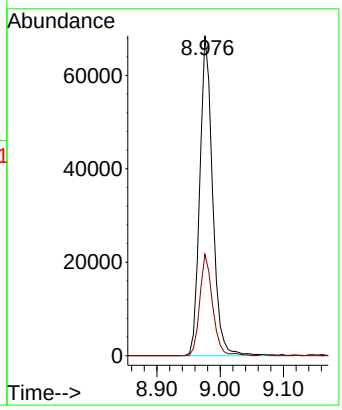


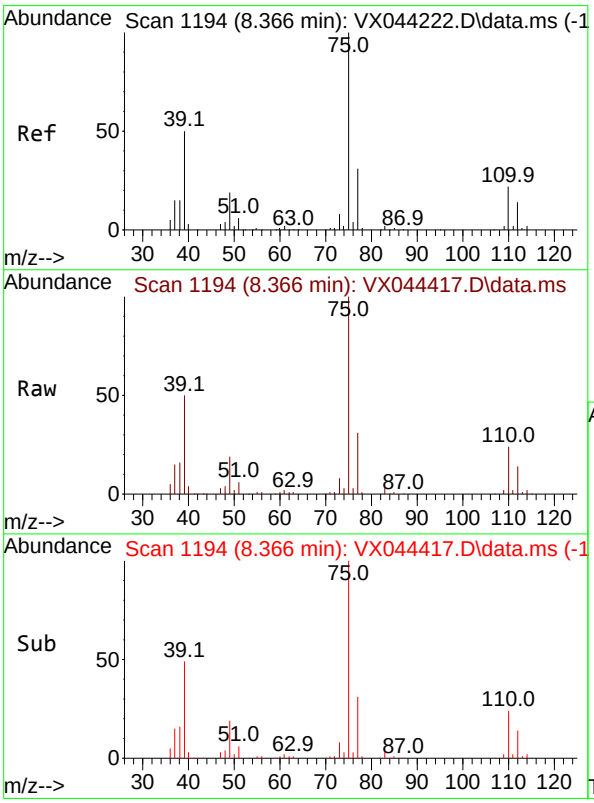

#53
t-1,3-Dichloropropene
Concen: 45.626 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 75 Resp: 96722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 27.2 | 40.8 |

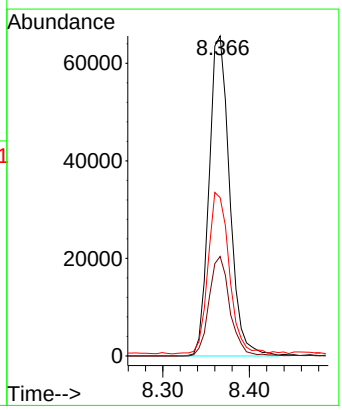


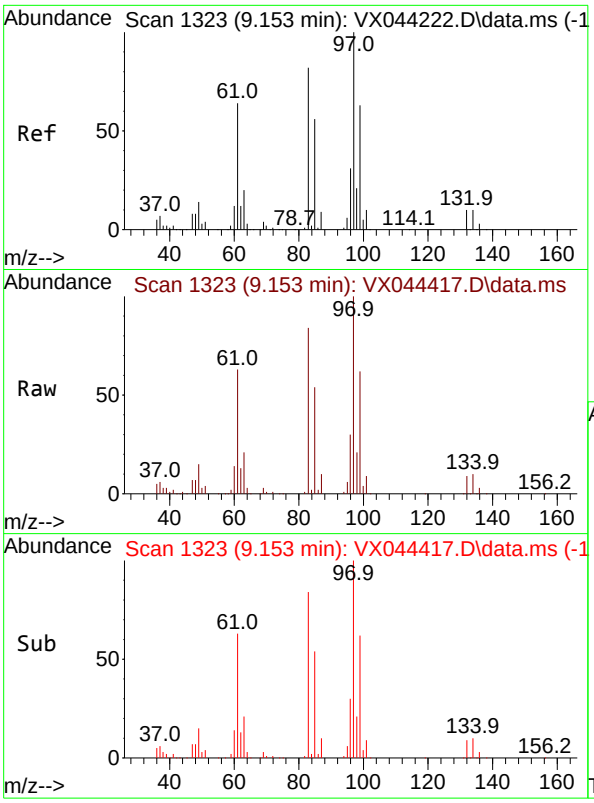




#54
cis-1,3-Dichloropropene
Concen: 50.056 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 75 Resp: 108330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 24.7 | 37.1 |
| 39 | 48.7 | 40.3 | 60.5 |



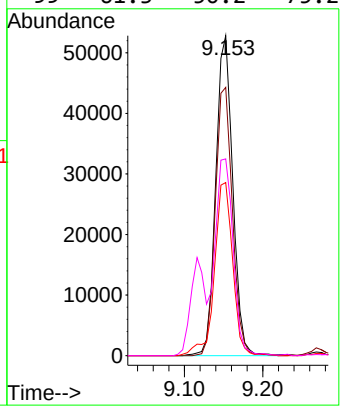


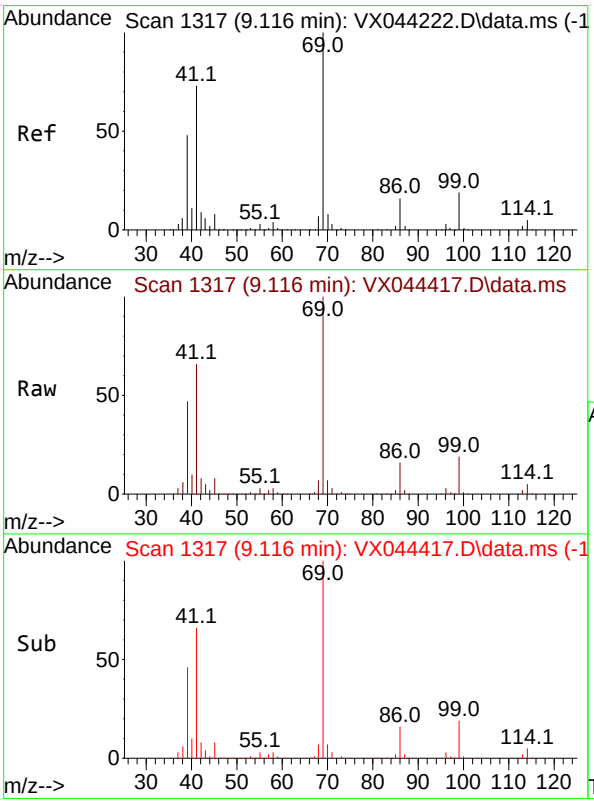

#55
1,1,2-Trichloroethane
Concen: 54.999 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 97 Resp: 79671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.9 | 65.3 | 97.9 |
| 85 | 54.1 | 44.6 | 67.0 |
| 99 | 61.3 | 50.2 | 75.2 |

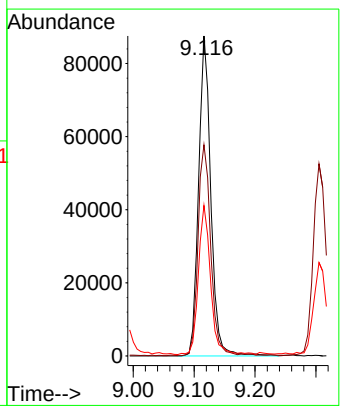


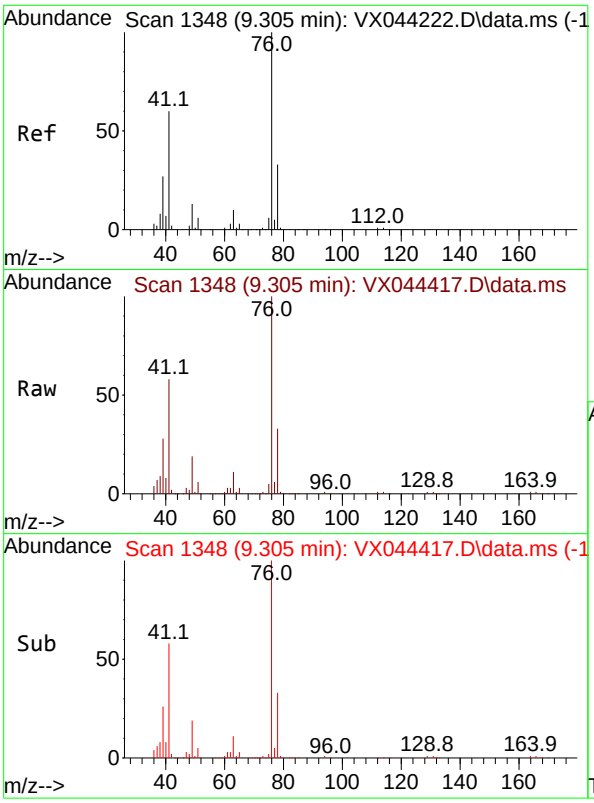




#56
Ethyl methacrylate
Concen: 53.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 69 Resp: 122174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.2 | 56.6 | 85.0 |
| 39 | 46.3 | 37.4 | 56.0 |



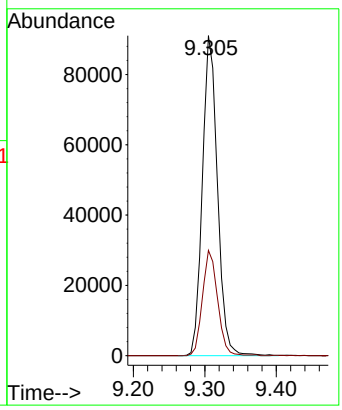


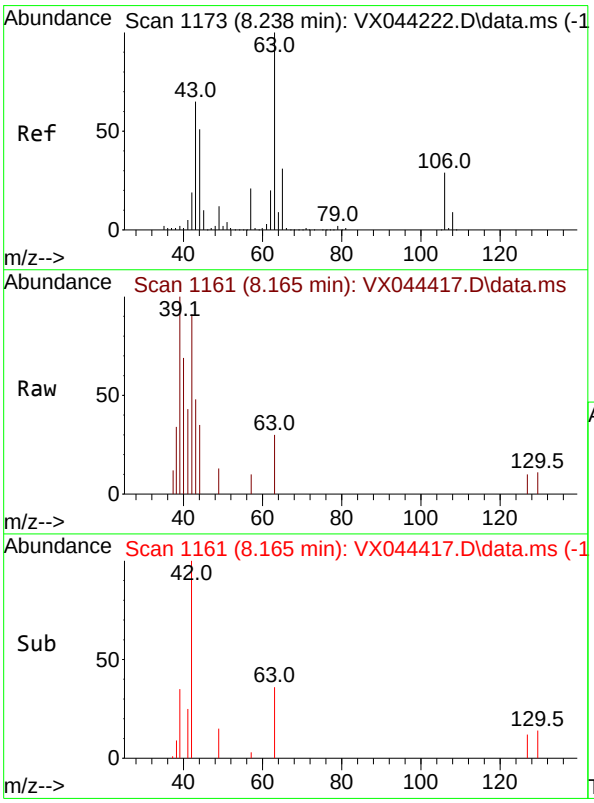

#57
1,3-Dichloropropane
Concen: 52.852 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 76 Resp: 133261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.1 | 26.5 | 39.7 |

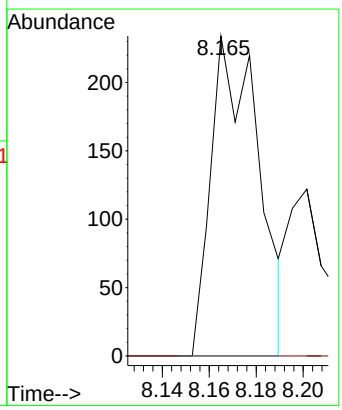


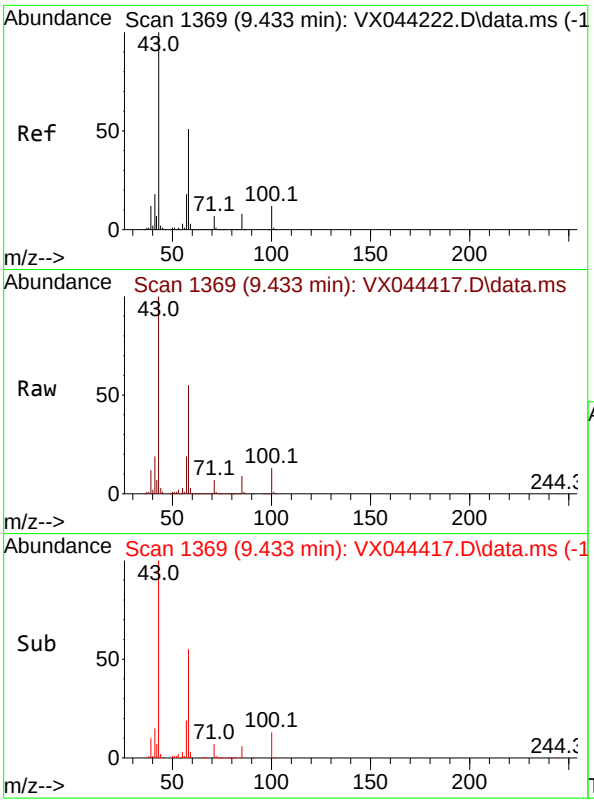




#58
2-Chloroethyl Vinyl ether
Concen: 0.284 ug/l
RT: 8.165 min Scan# 1161
Delta R.T. -0.073 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 63 Resp: 328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 22.8 | 34.2# |



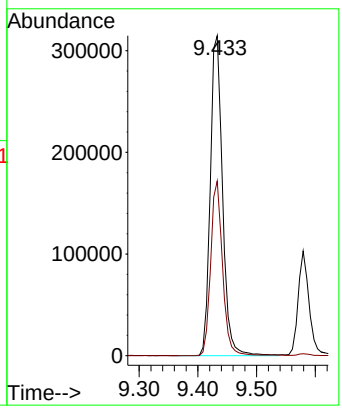


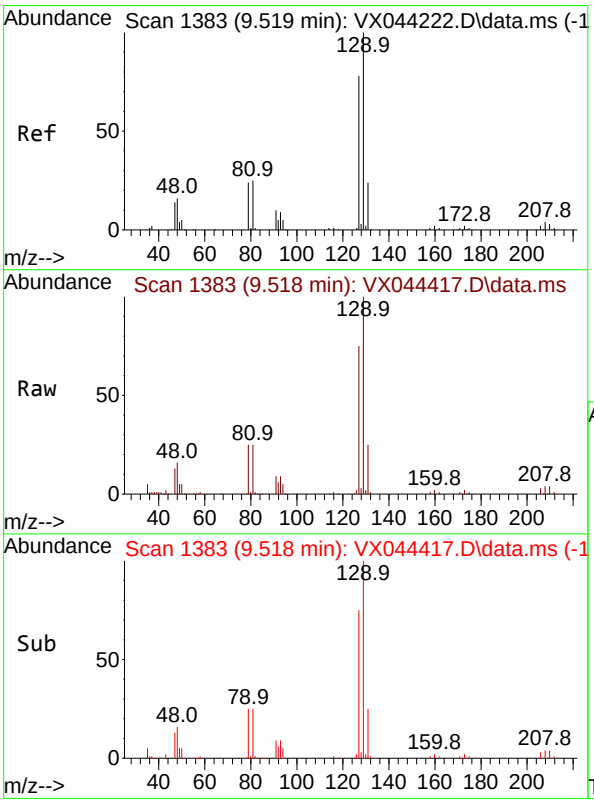

#59
2-Hexanone
Concen: 265.129 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 43 Resp: 455924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 25.7 | 77.0 |

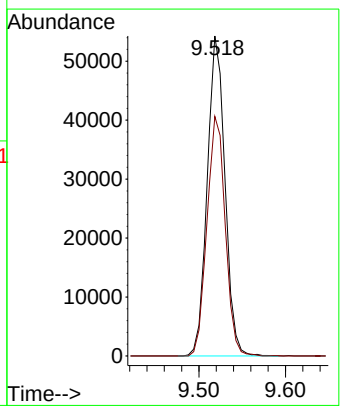


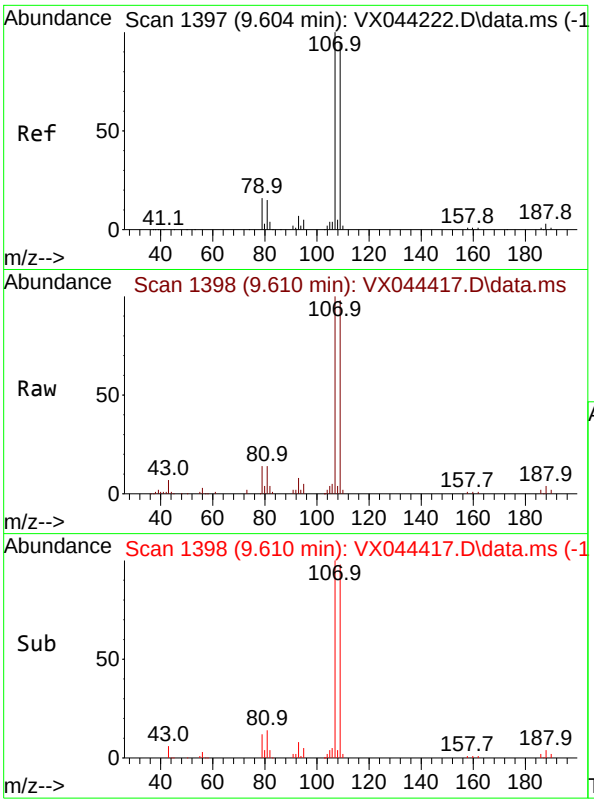




#60
Dibromochloromethane
Concen: 50.234 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:129 Resp: 77087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 38.5 | 115.3 |



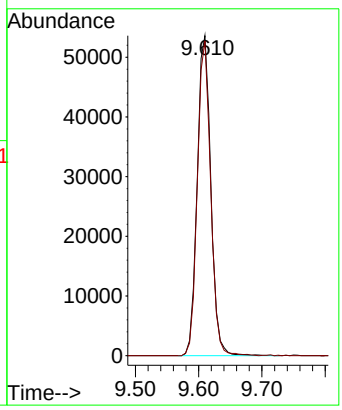


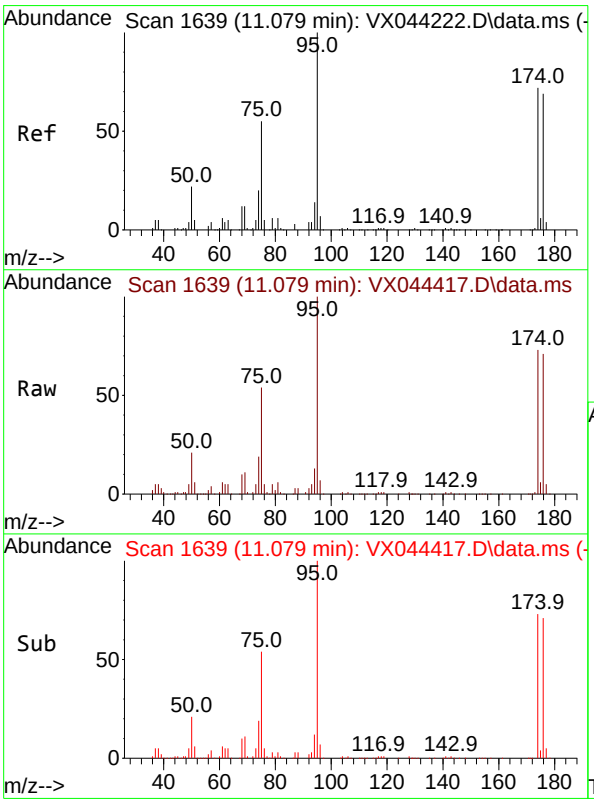

#61
1,2-Dibromoethane
Concen: 54.550 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:107 Resp: 80434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.9 | 77.0 | 115.4 |

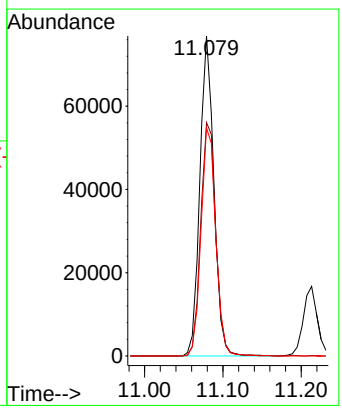


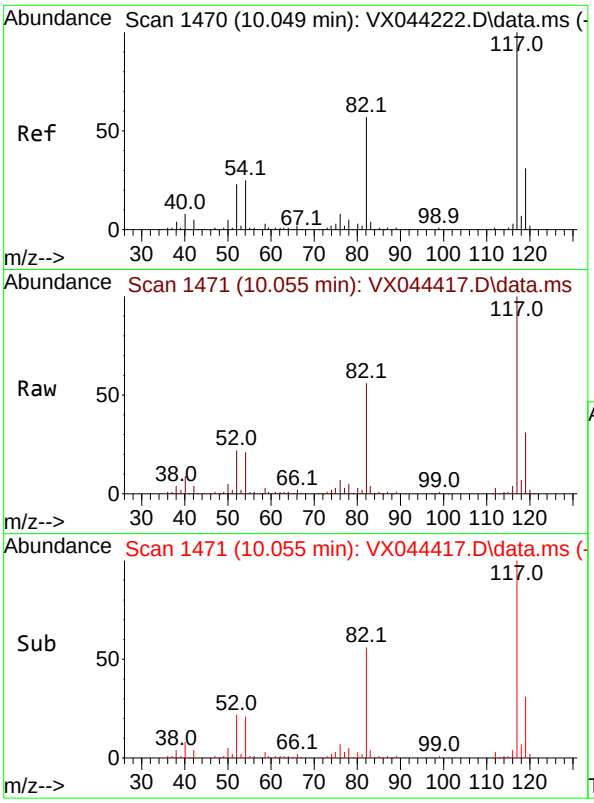




#62
4-Bromofluorobenzene
Concen: 54.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 95 Resp: 95512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.0 | 0.0 | 145.8 |
| 176 | 74.8 | 0.0 | 137.8 |



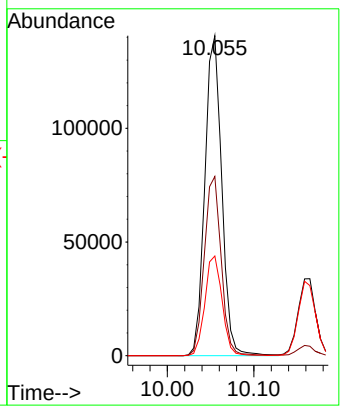


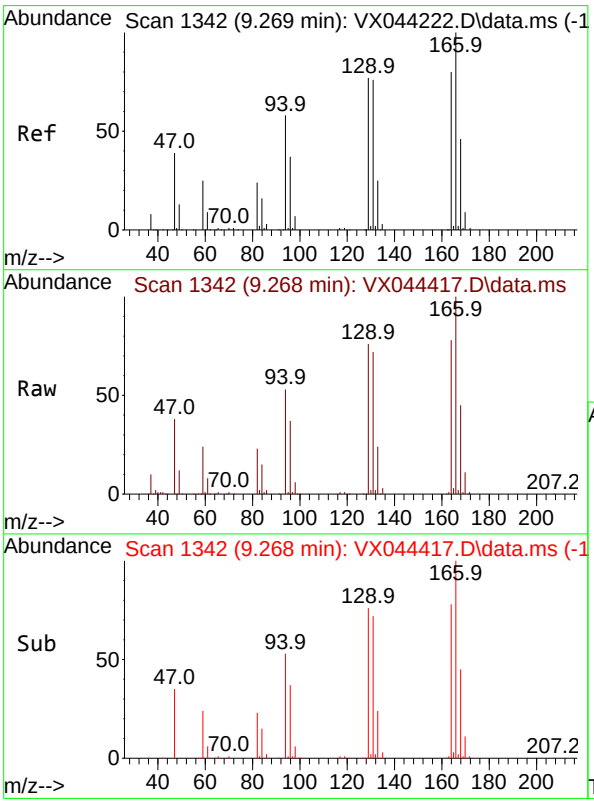

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:117 Resp: 190465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 45.8 | 68.8 |
| 119 | 31.2 | 25.0 | 37.4 |

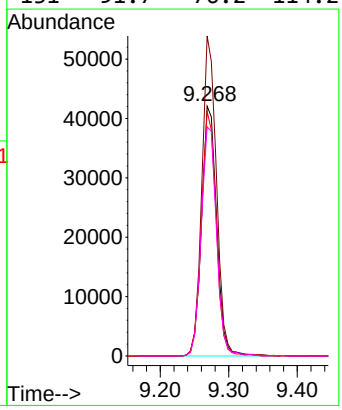


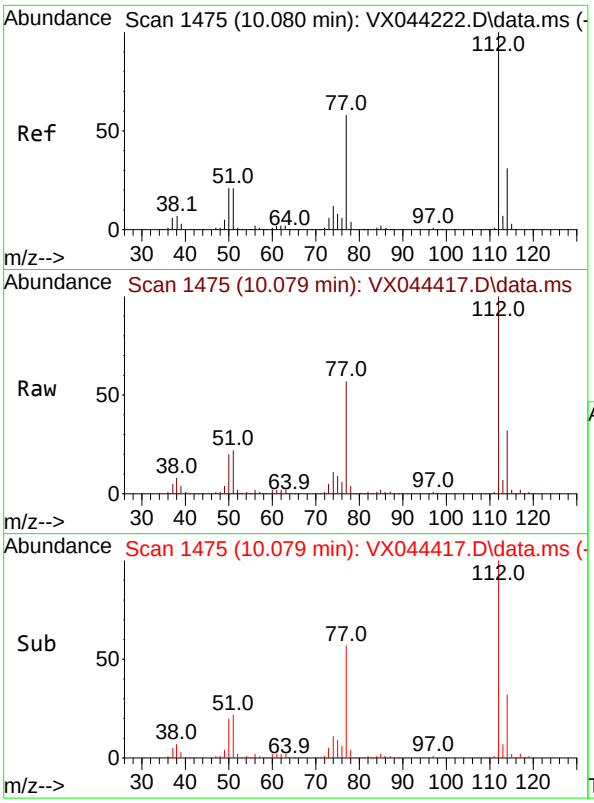




#64
Tetrachloroethene
Concen: 51.043 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:164 Resp: 64526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.1 | 100.4 | 150.6 |
| 129 | 97.9 | 77.2 | 115.8 |
| 131 | 91.7 | 76.2 | 114.2 |



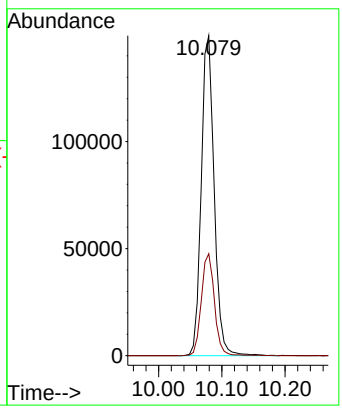


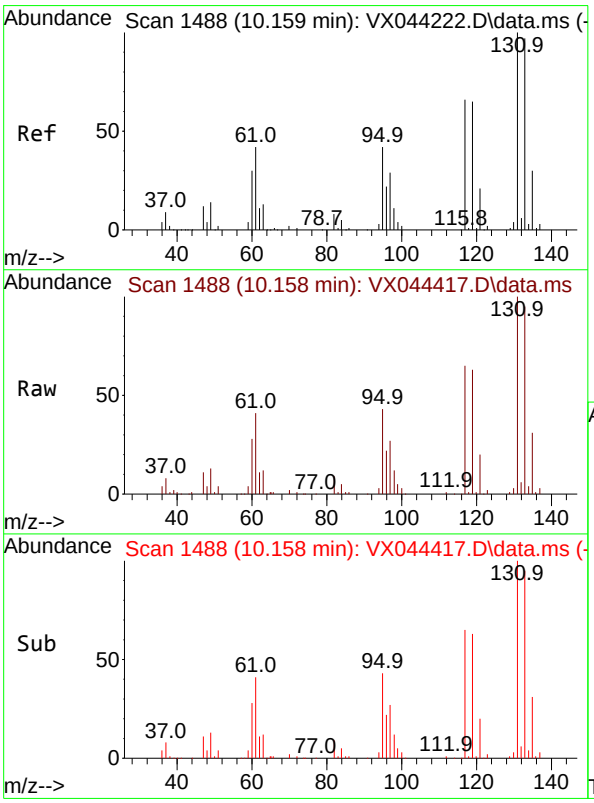

#65
Chlorobenzene
Concen: 52.067 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:112 Resp: 212499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.0 | 37.6 |

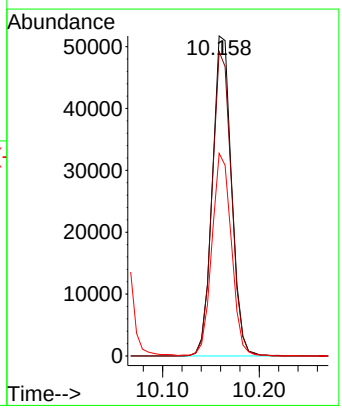


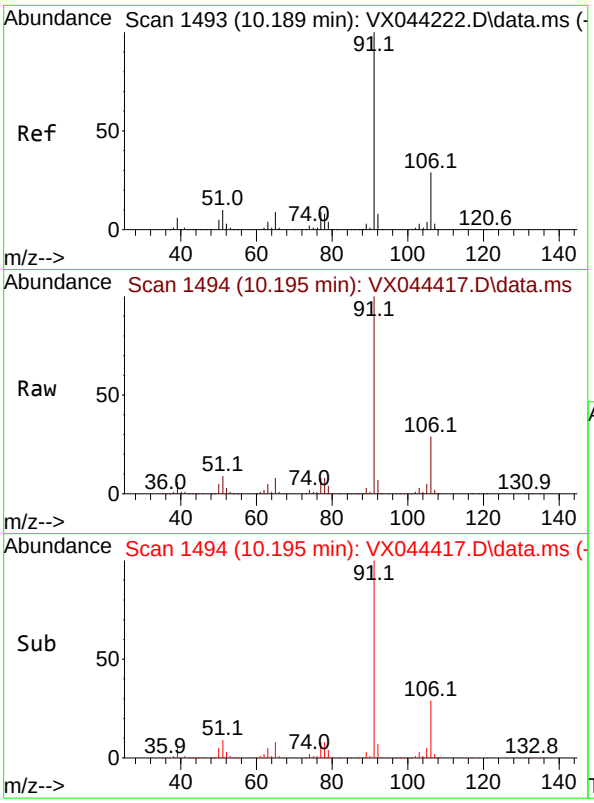




#66
1,1,1,2-Tetrachloroethane
Concen: 54.299 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:131 Resp: 71222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.6 | 47.3 | 141.8 |
| 119 | 64.3 | 31.6 | 95.0 |



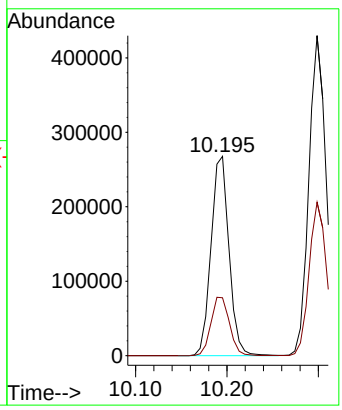


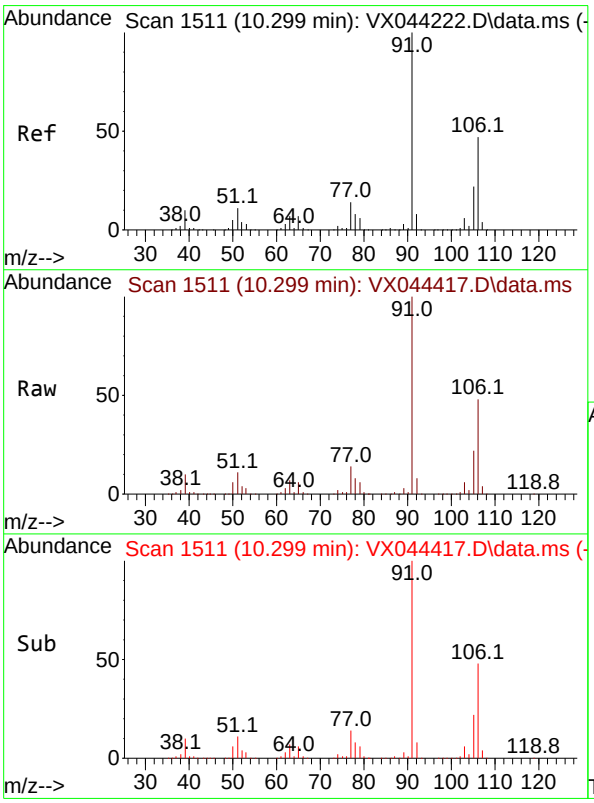

#67
Ethyl Benzene
Concen: 51.729 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 91 Resp: 364782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 23.5 | 35.3 |

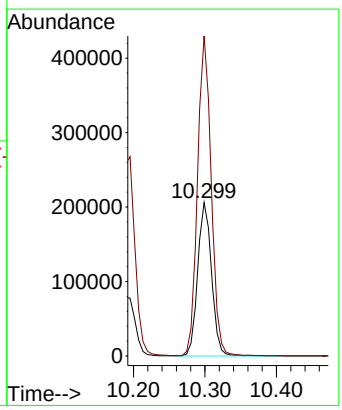


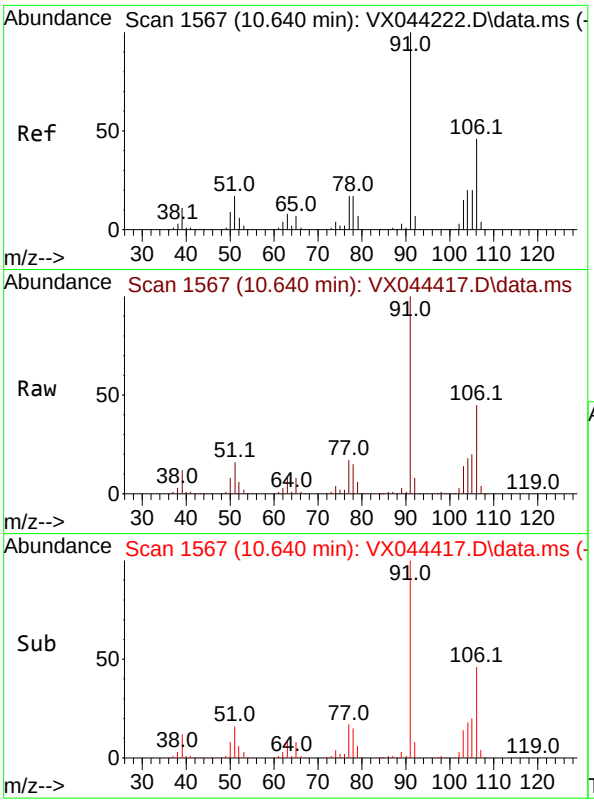




#68
m/p-Xylenes
Concen: 106.816 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:106 Resp: 276393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.6 | 170.2 | 255.2 |



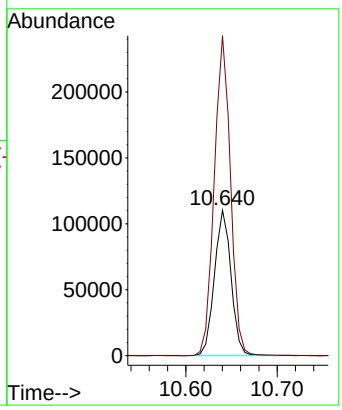


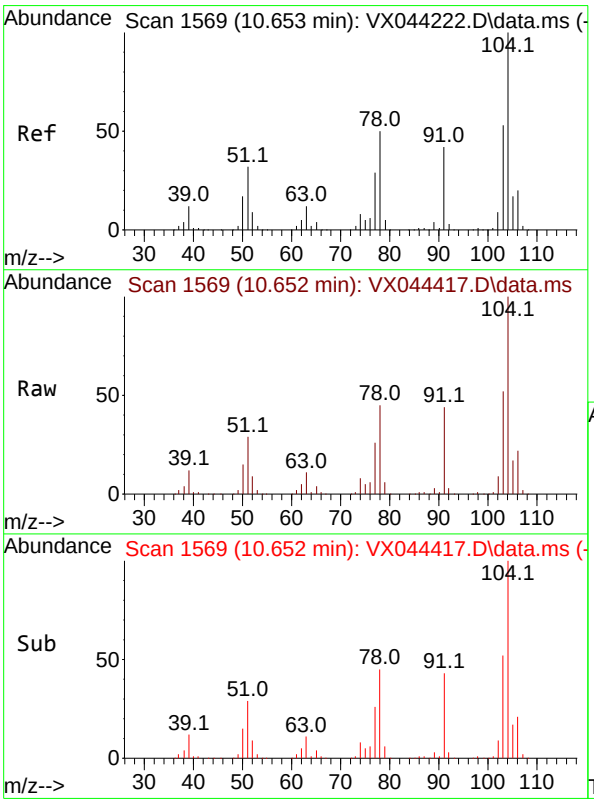

#69
o-Xylene
Concen: 53.138 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:106 Resp: 139121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.9 | 112.3 | 337.0 |

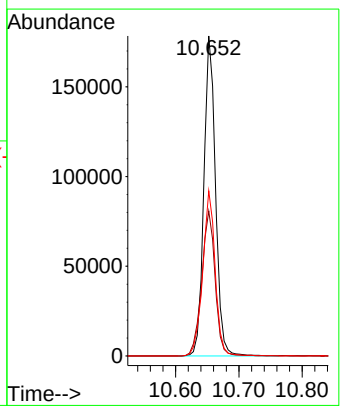


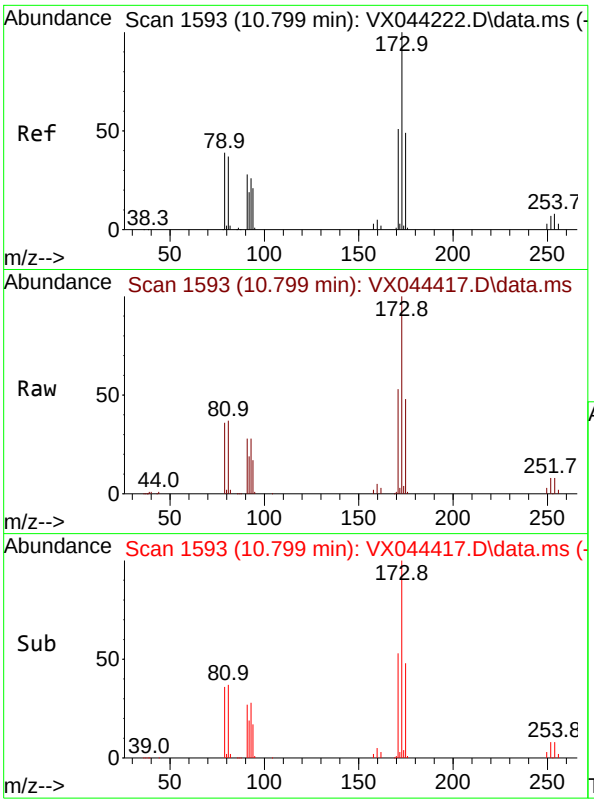




#70
Styrene
Concen: 54.597 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:104 Resp: 229145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.2 | 44.6 | 67.0 |
| 103 | 55.4 | 45.4 | 68.0 |



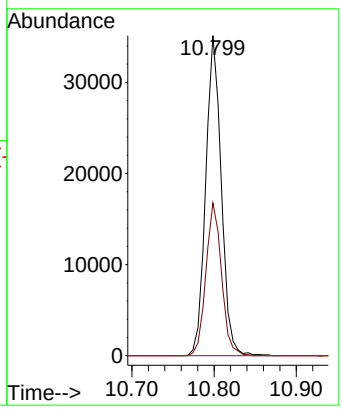


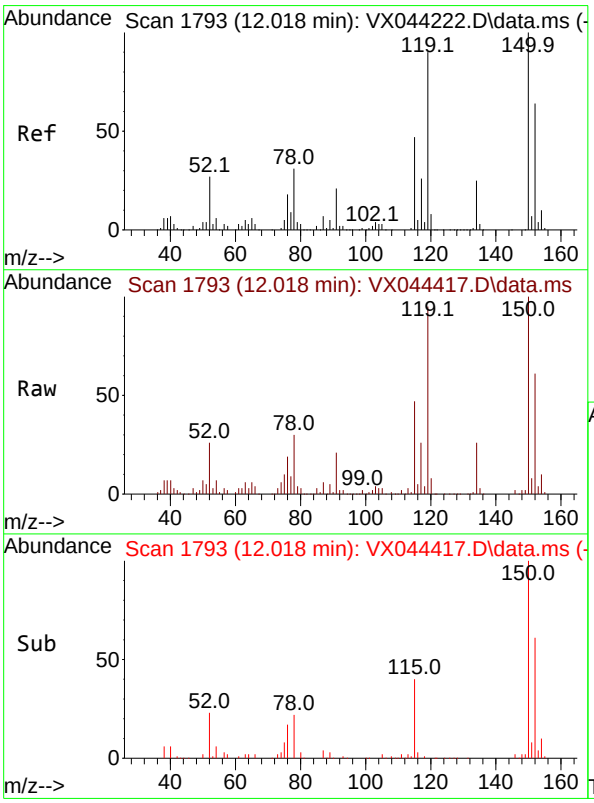

#71
Bromoform
Concen: 50.371 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:173 Resp: 46210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

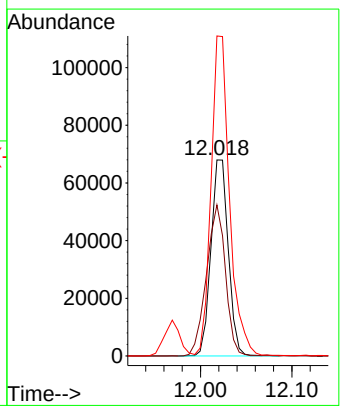


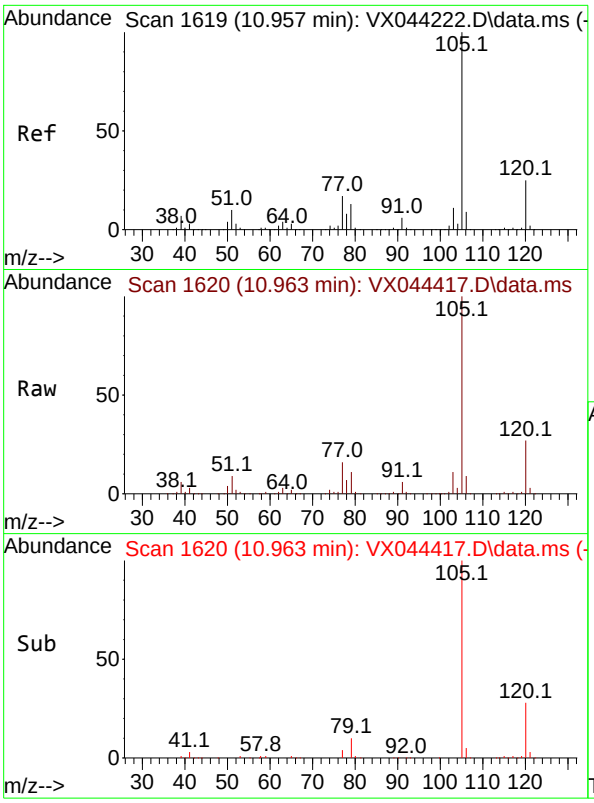




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:152 Resp: 89259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.6 | 44.5 | 133.3 |
| 150 | 173.8 | 0.0 | 353.8 |



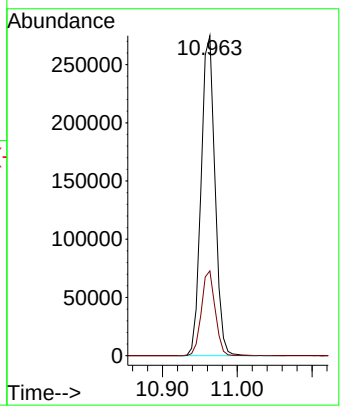


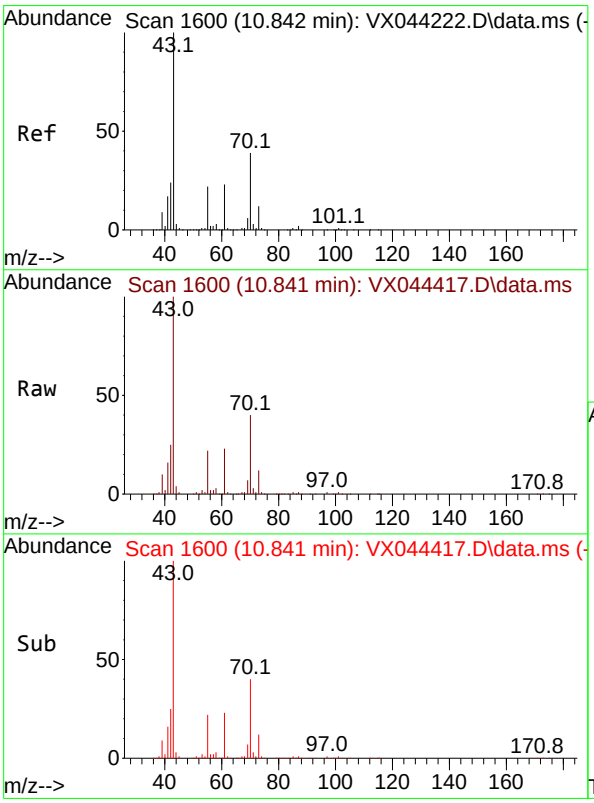

#73
Isopropylbenzene
Concen: 51.758 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:105 Resp: 353672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.1 | 39.3 |

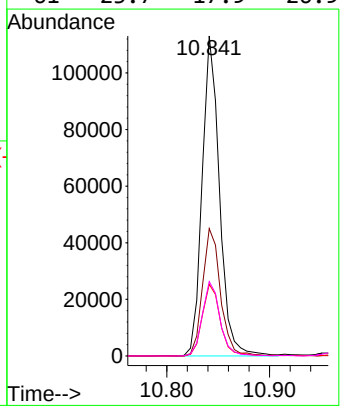


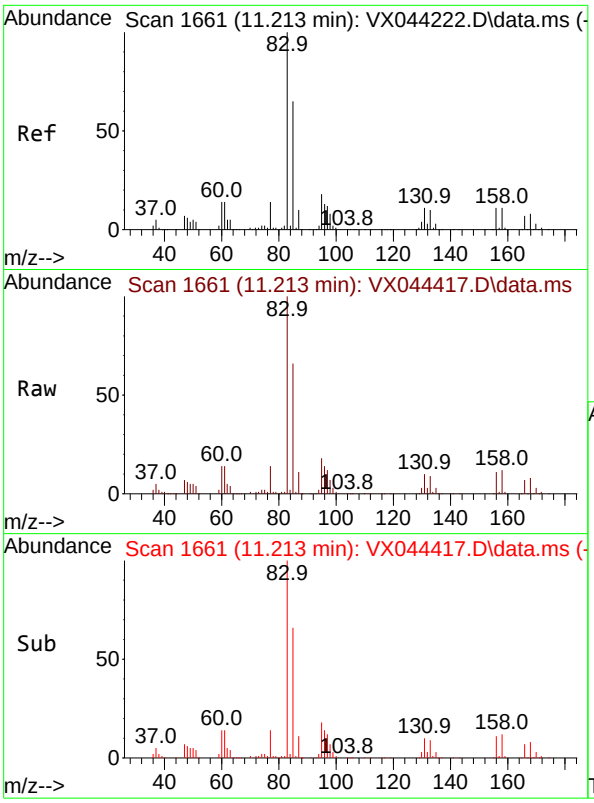




#74
N-amyl acetate
Concen: 42.122 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 43 Resp: 133021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 31.9 | 47.9 |
| 55 | 23.2 | 17.9 | 26.9 |
| 61 | 23.7 | 17.9 | 26.9 |



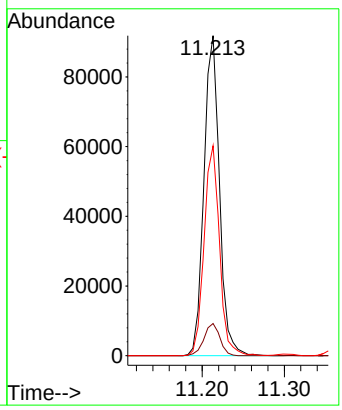


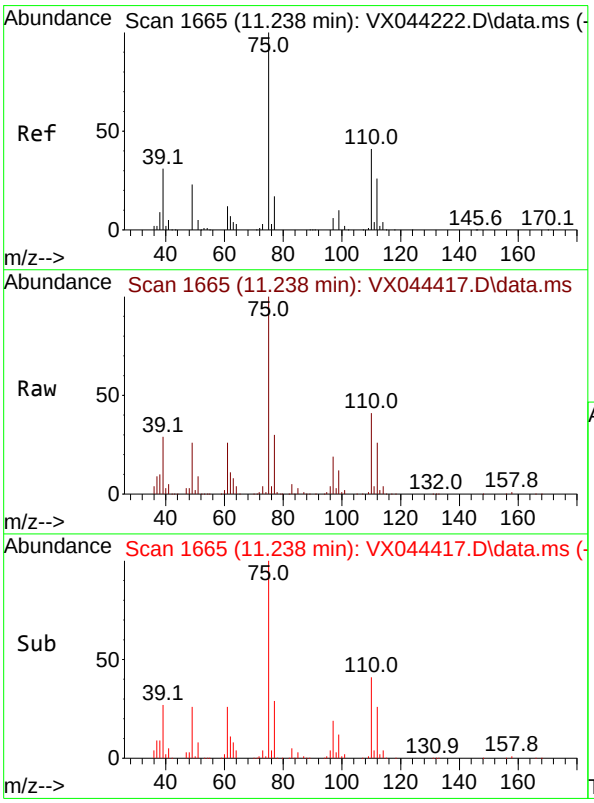

#75
1,1,2,2-Tetrachloroethane
Concen: 50.787 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 83 Resp: 120537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.1 | 15.4 |
| 85 | 65.1 | 32.5 | 97.4 |

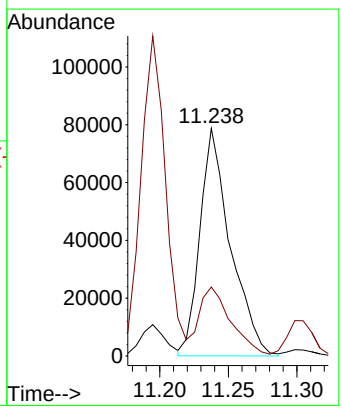


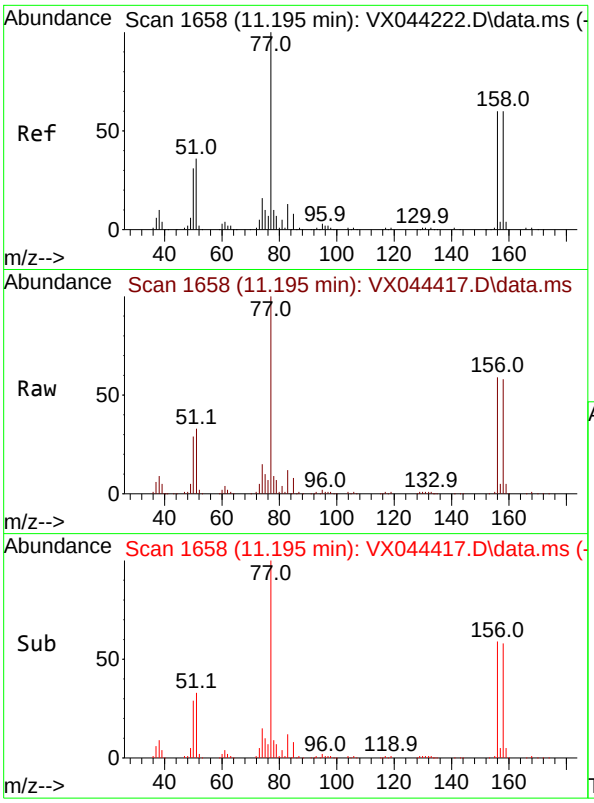




#76
1,2,3-Trichloropropane
Concen: 61.269 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 75 Resp: 122106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 20.9 | 62.7 |



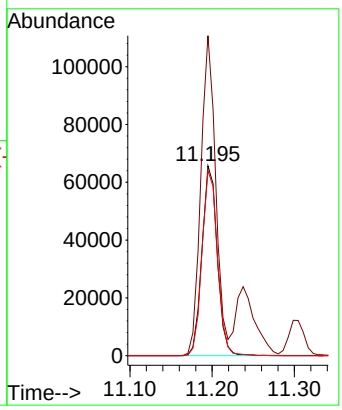


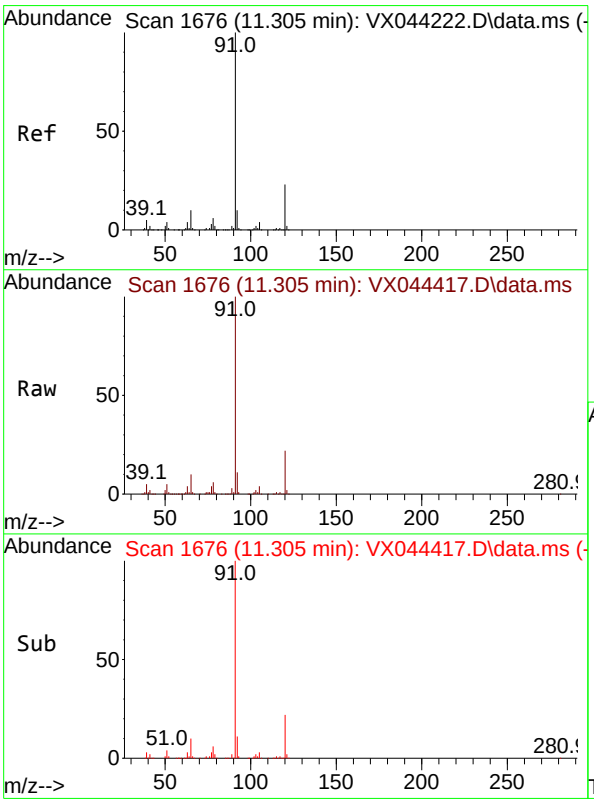

#77
Bromobenzene
Concen: 51.358 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:156 Resp: 85100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 163.5 | 82.6 | 247.8 |
| 158 | 98.1 | 48.8 | 146.4 |

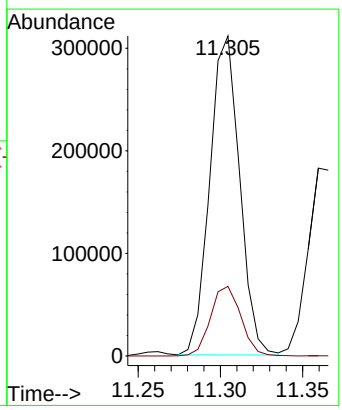


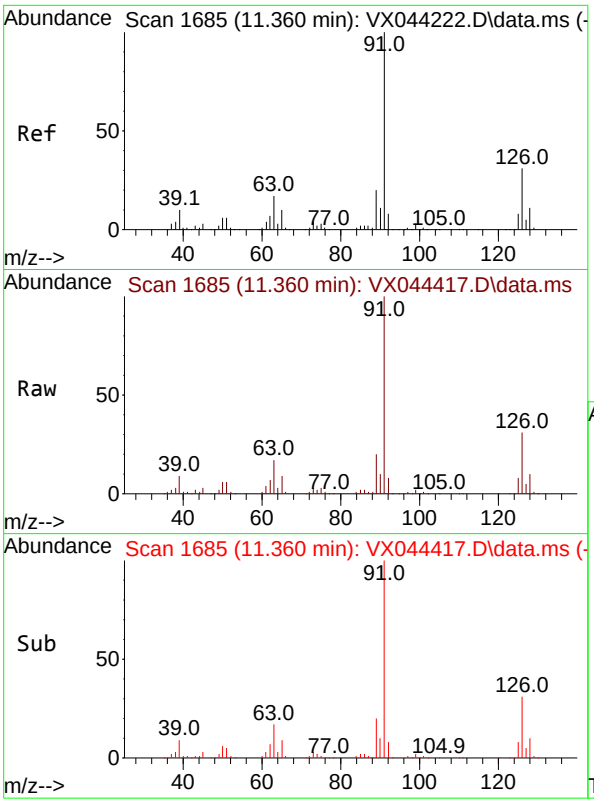




#78
n-propylbenzene
Concen: 52.064 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 91 Resp: 393213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.0 | 33.0 |



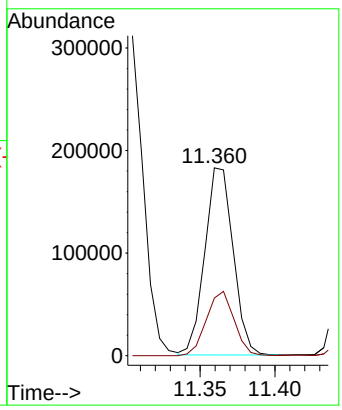


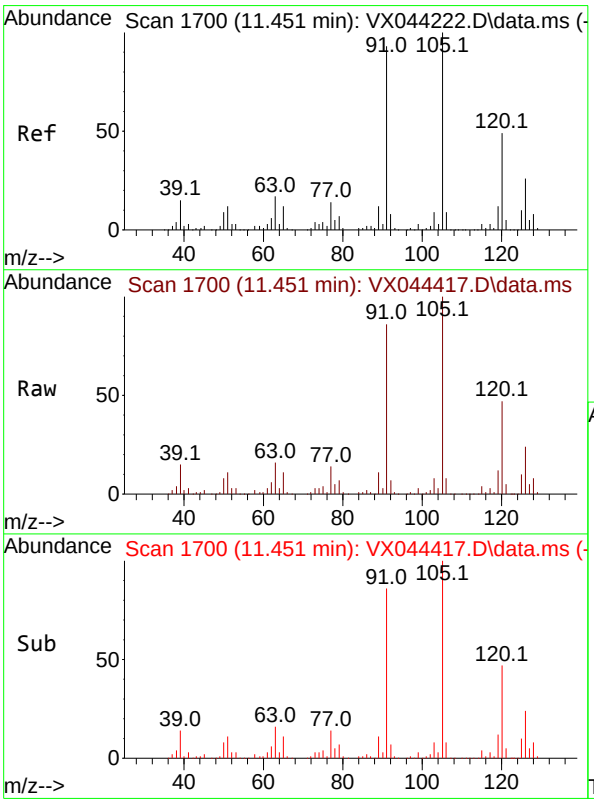

#79
2-Chlorotoluene
Concen: 49.418 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 91 Resp: 241377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.4 | 49.1 |

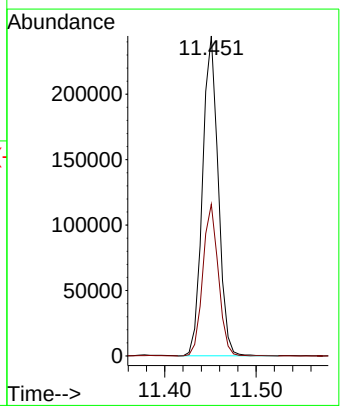


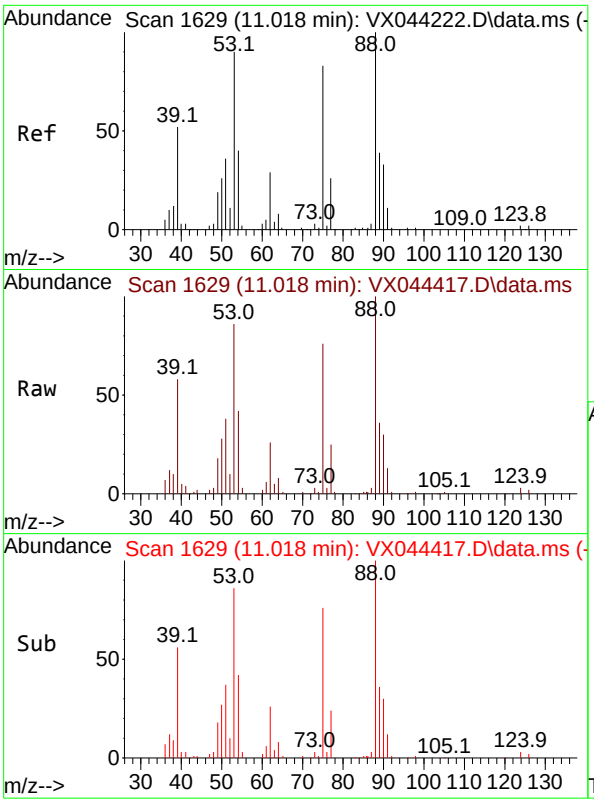




#80
1,3,5-Trimethylbenzene
Concen: 51.181 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:105 Resp: 290026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.0 | 23.8 | 71.4 |



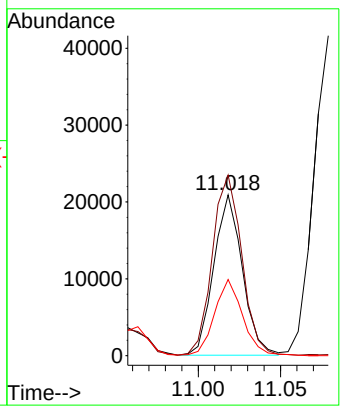


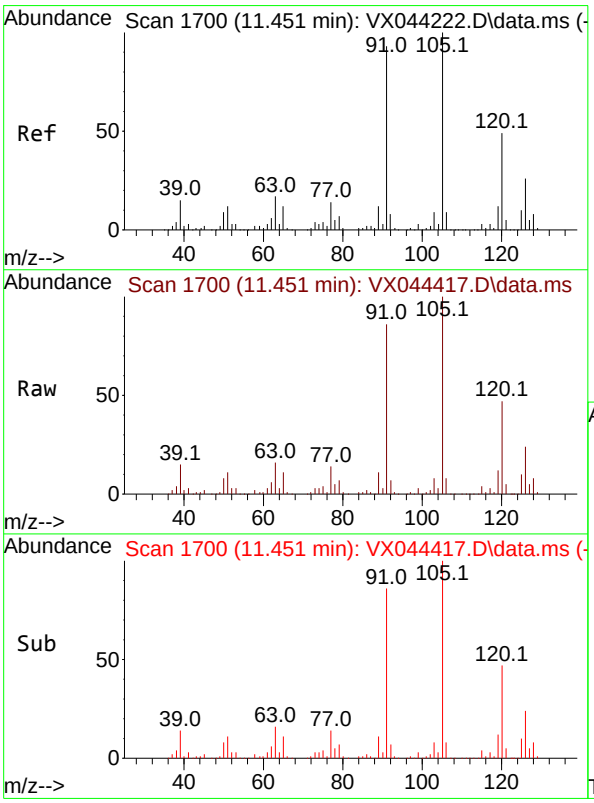

#81
trans-1,4-Dichloro-2-butene
Concen: 37.797 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 75 Resp: 25222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 116.0 | 93.6 | 140.4 |
| 89 | 47.0 | 37.3 | 55.9 |

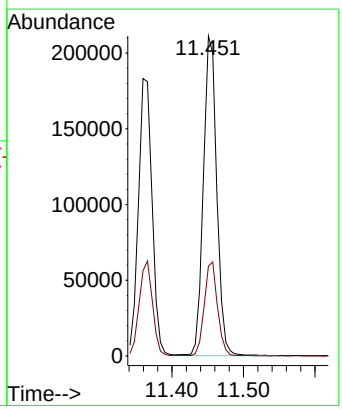


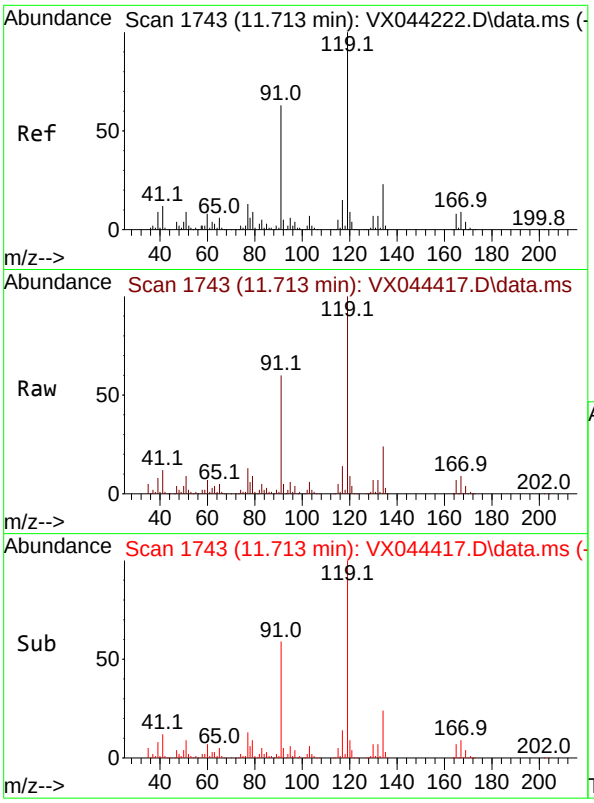




#82
4-Chlorotoluene
Concen: 50.851 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 91 Resp: 275039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.4 | 14.5 | 43.5 |



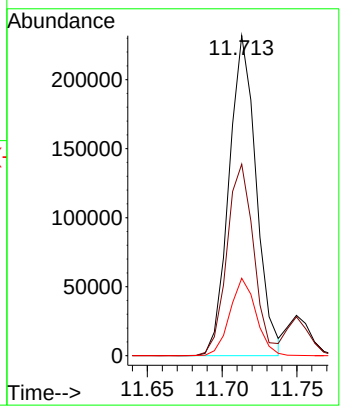


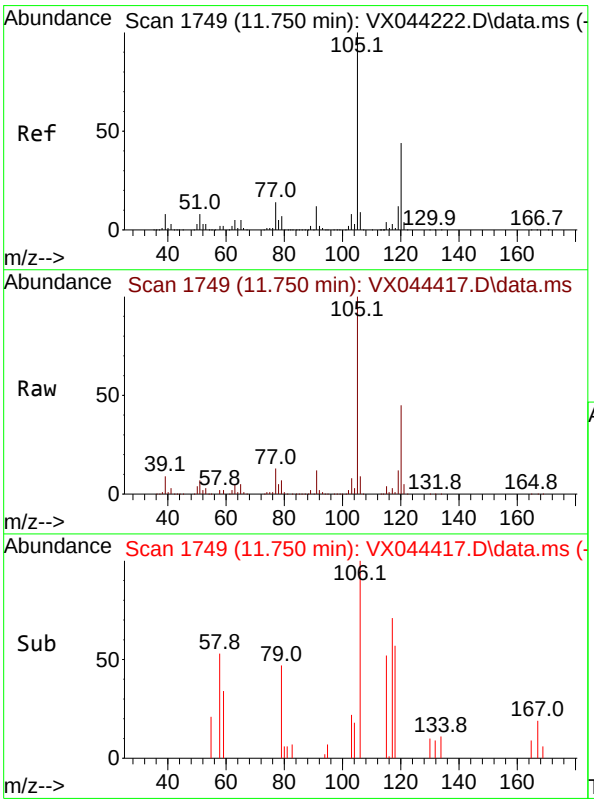

#83
tert-Butylbenzene
Concen: 52.357 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:119 Resp: 293206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.7 | 30.9 | 92.5 |
| 134 | 23.4 | 11.5 | 34.4 |

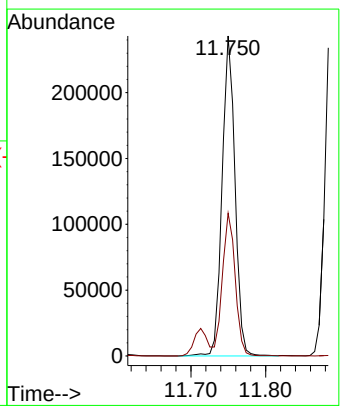


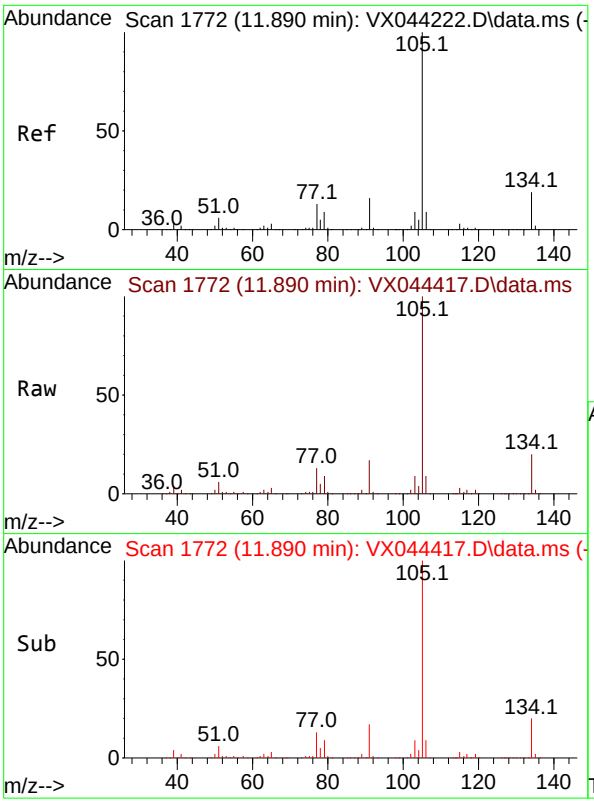




#84
1,2,4-Trimethylbenzene
Concen: 52.275 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:105 Resp: 290913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 21.7 | 65.1 |



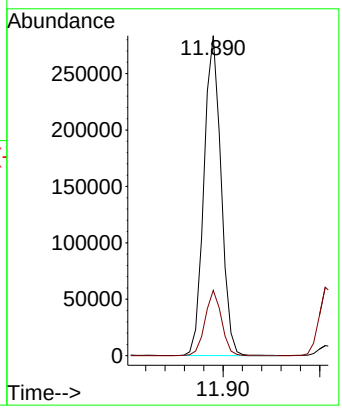


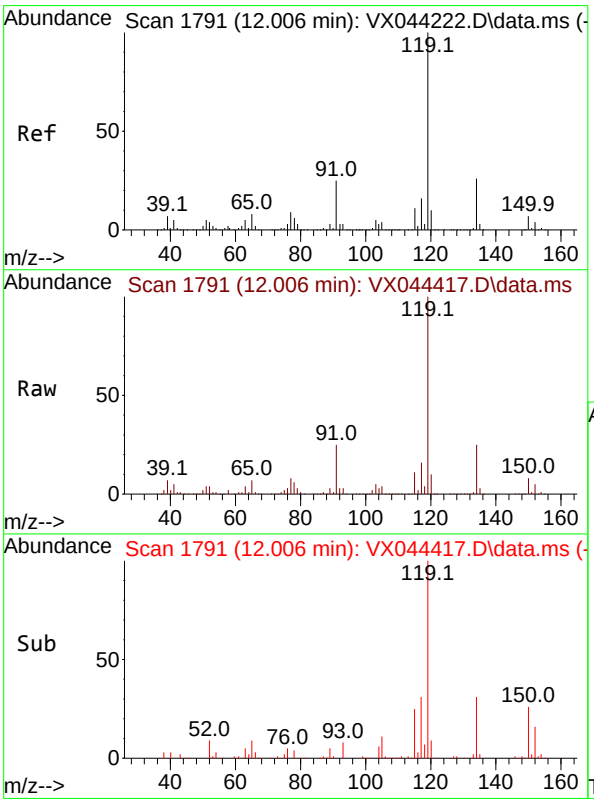

#85
sec-Butylbenzene
Concen: 51.163 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:105 Resp: 347835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |

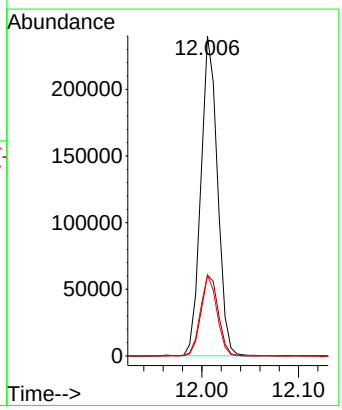


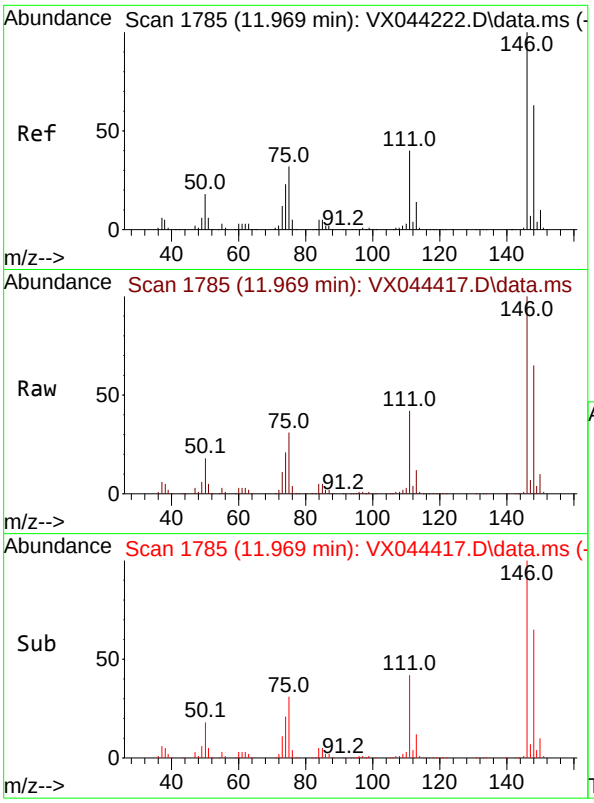




#86
p-Isopropyltoluene
Concen: 50.779 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:119 Resp: 287333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.8 | 38.4 |
| 91 | 25.0 | 13.0 | 39.0 |



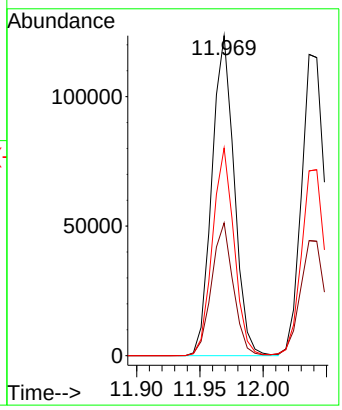


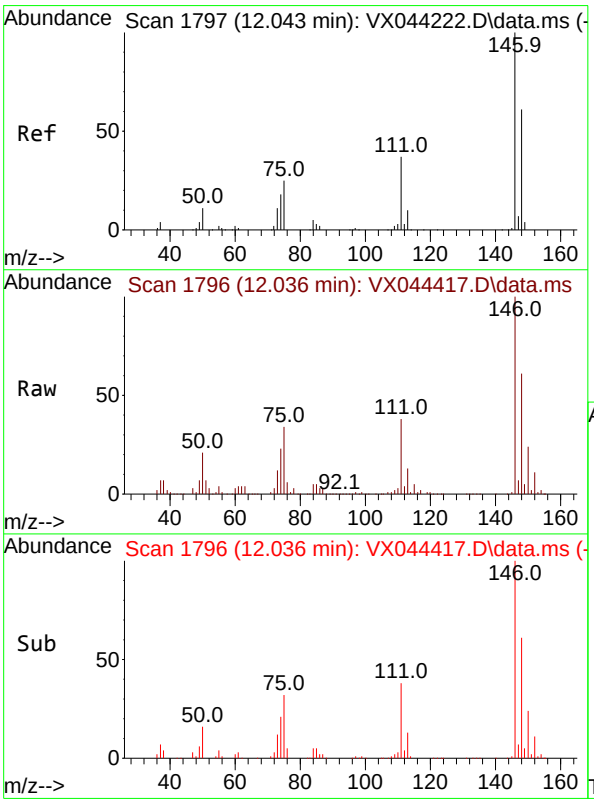

#87
1,3-Dichlorobenzene
Concen: 52.313 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:146 Resp: 151413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 21.4 | 64.2 |
| 148 | 62.9 | 31.7 | 95.1 |

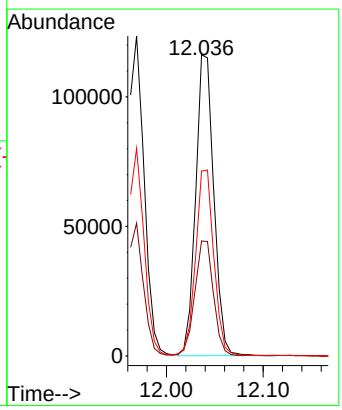


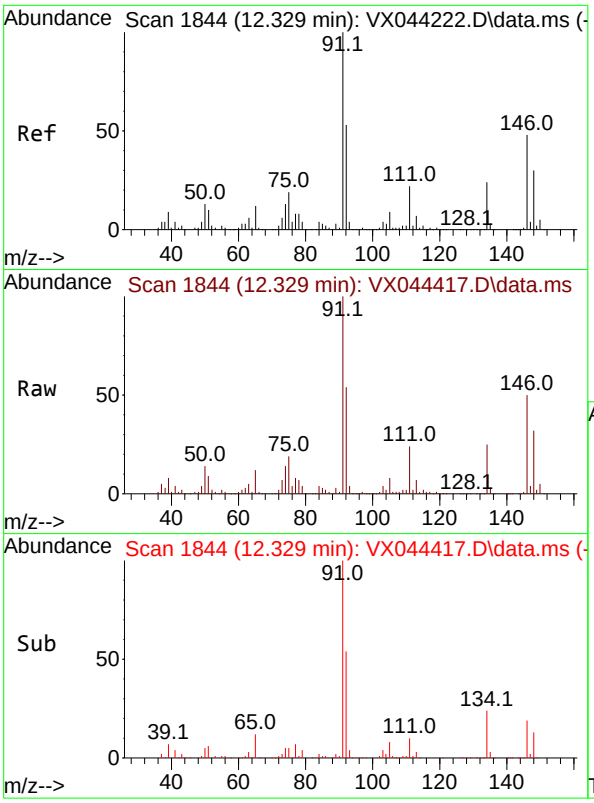




#88
1,4-Dichlorobenzene
Concen: 50.911 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:146 Resp: 151478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.4 | 21.0 | 63.0 |
| 148 | 62.1 | 32.3 | 96.8 |



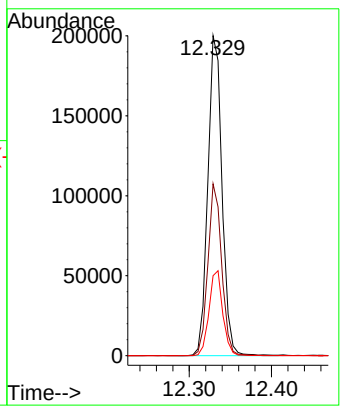


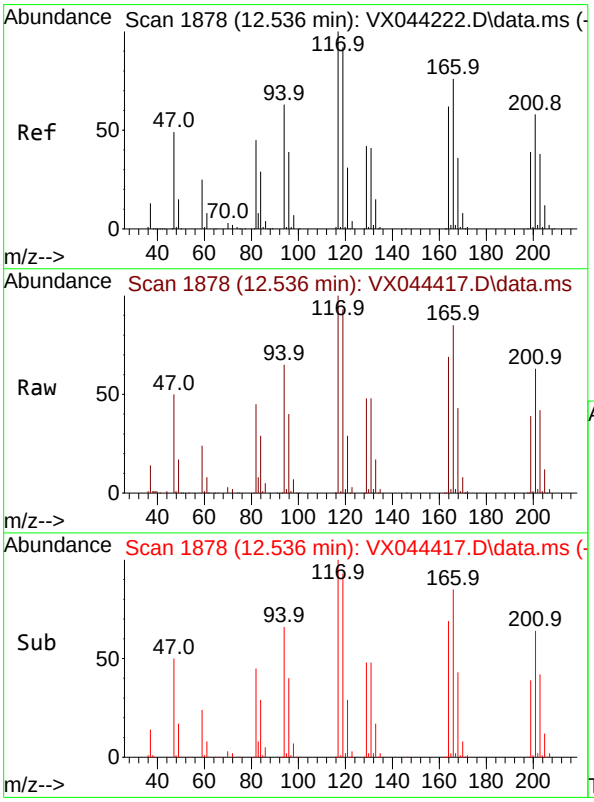

#89
n-Butylbenzene
Concen: 50.400 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion: 91 Resp: 239808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.1 | 26.6 | 79.7 |
| 134 | 25.7 | 12.6 | 37.8 |

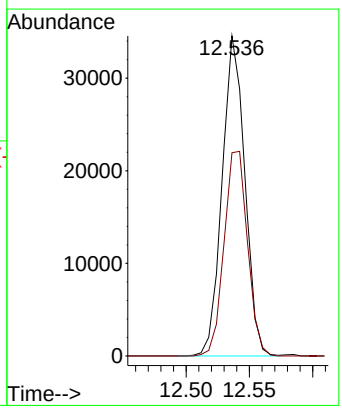


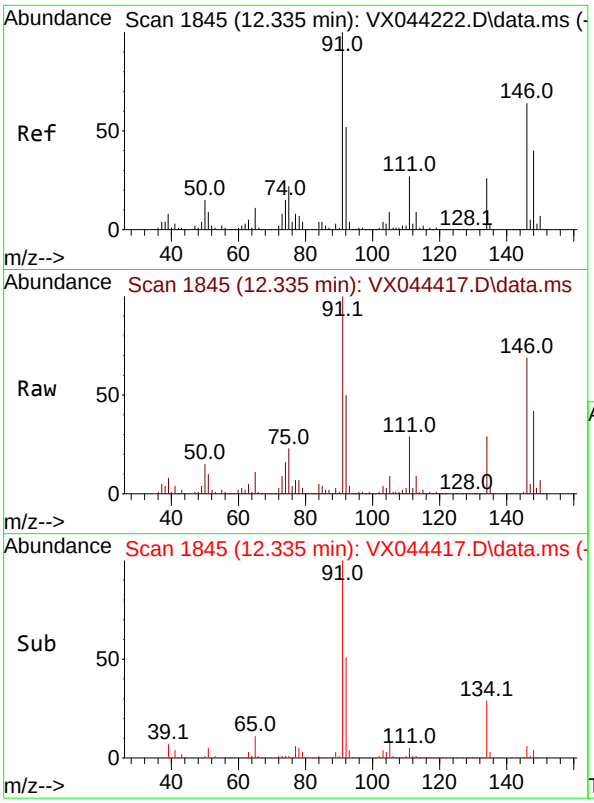




#90
Hexachloroethane
Concen: 52.138 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:117 Resp: 43066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.2 | 31.4 | 94.2 |



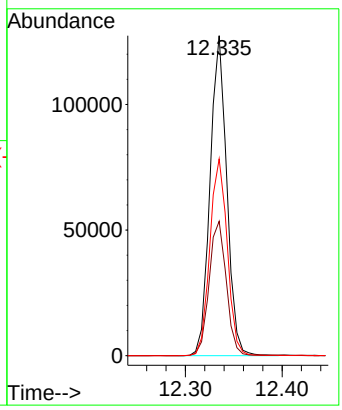


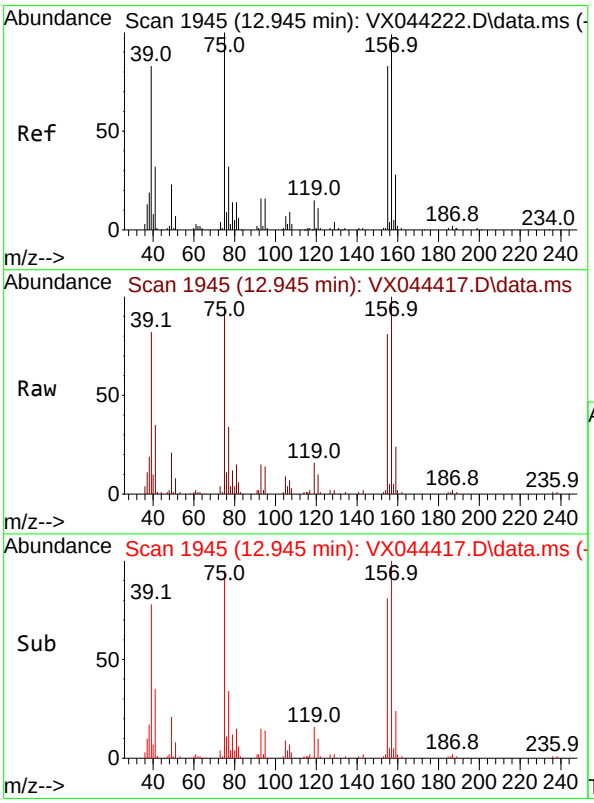

#91
1,2-Dichlorobenzene
Concen: 50.871 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:146 Resp: 152884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.4 | 64.3 |
| 148 | 64.3 | 31.6 | 95.0 |

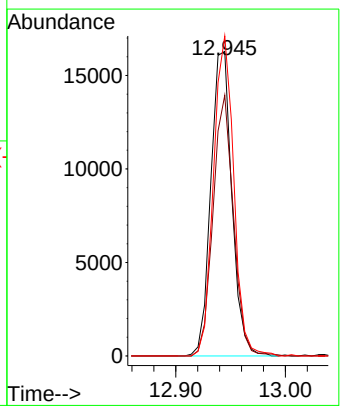


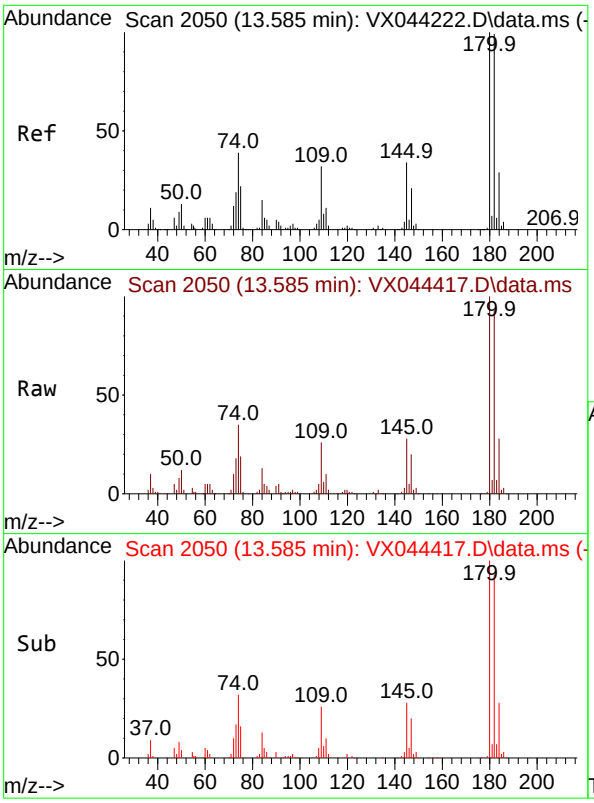




#92
1,2-Dibromo-3-Chloropropane
Concen: 47.254 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion: 75 Resp: 21771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.8 | 38.1 | 114.3 |
| 157 | 101.3 | 47.2 | 141.6 |



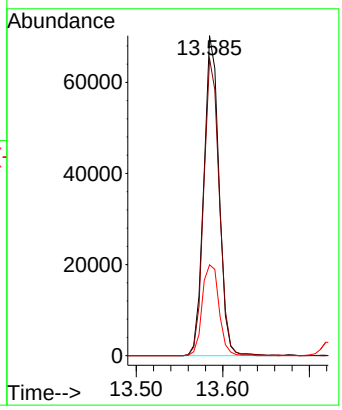


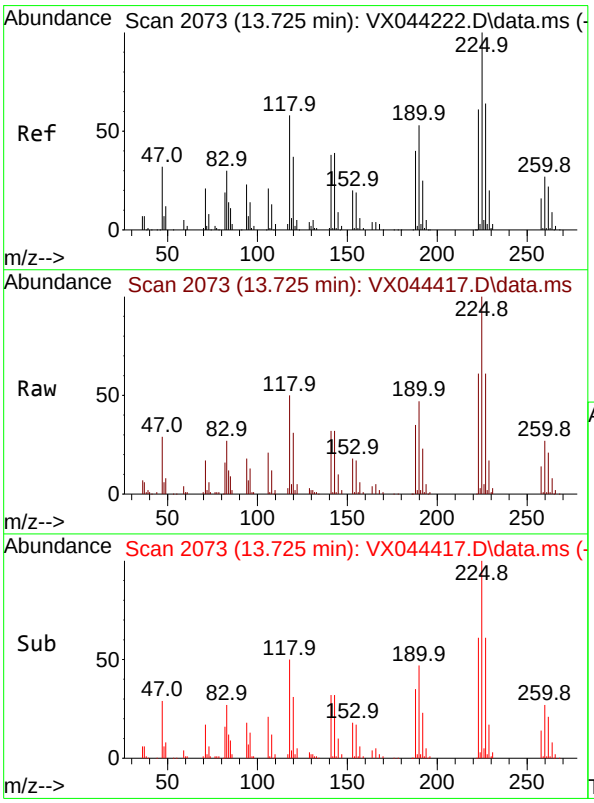

#93
1,2,4-Trichlorobenzene
Concen: 52.132 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:180 Resp: 85895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 48.0 | 144.2 |
| 145 | 31.3 | 16.6 | 49.7 |

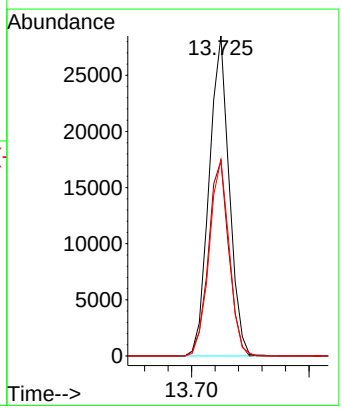


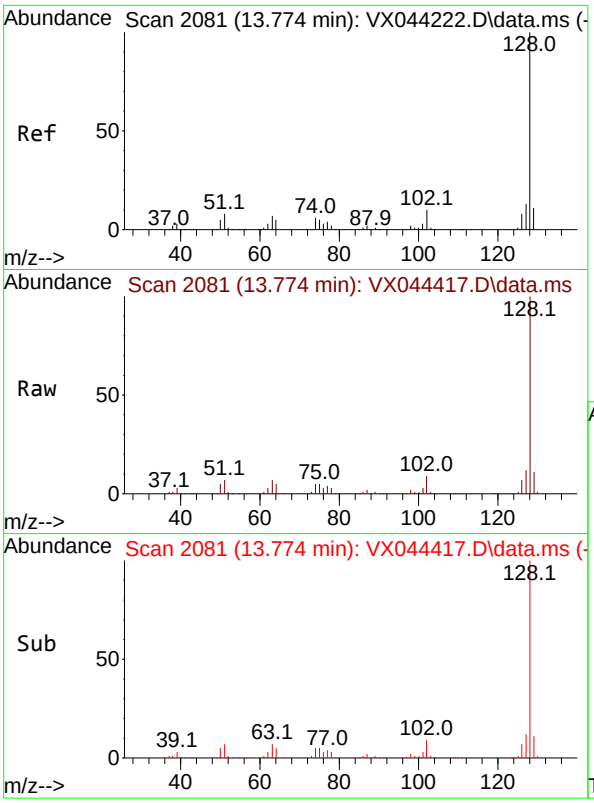




#94
Hexachlorobutadiene
Concen: 51.014 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:225 Resp: 33809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 30.8 | 92.4 |
| 227 | 61.0 | 32.1 | 96.3 |



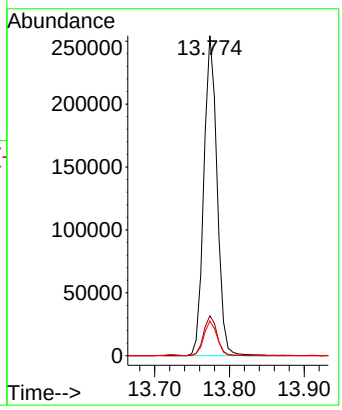


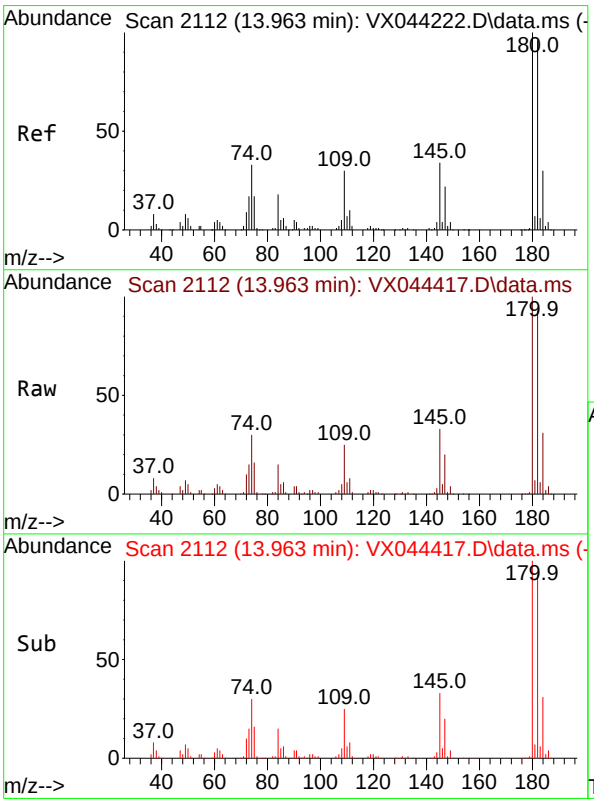

#95
Naphthalene
Concen: 48.567 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MS

Tgt Ion:128 Resp: 312358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |

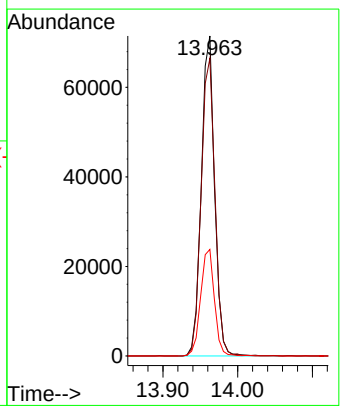



#96
1,2,3-Trichlorobenzene
Concen: 50.422 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044417.D
Acq: 19 Dec 2024 06:28 am

Tgt Ion:180 Resp: 88117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 48.0 | 144.0 |
| 145 | 34.7 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044418.D
Acq On : 19 Dec 2024 06:51 am
Operator : JC/MD
Sample : P5317-20MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Quant Time: Dec 19 07:43:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 116949 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 212543 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 188325 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 88743 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 100683 | 49.102 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 98.200% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 77439 | 52.606 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.220% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 260771 | 52.508 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 105.020% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92575 | 53.347 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 106.700% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 94910 | 52.485 | ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 91353 | 52.828 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 94923 | 52.690 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 65294 | 51.087 | ug/l | 99 |
| 6) Chloroethane | 1.660 | 64 | 56136 | 50.041 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.861 | 101 | 164127 | 46.536 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 58021 | 48.195 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 82128 | 57.547 | ug/l | 98 |
| 10) Methyl Iodide | 2.440 | 142 | 103771 | 55.170 | ug/l | 96 |
| 11) Tert butyl alcohol | 2.995 | 59 | 68303 | 236.352 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 74788 | 57.053 | ug/l | 94 |
| 13) Acrolein | 2.239 | 56 | 103223 | 246.755 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 109683 | 50.235 | ug/l | 97 |
| 15) Acrylonitrile | 3.068 | 53 | 207951 | 259.773 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 188359 | 225.321 | ug/l | 95 |
| 17) Carbon Disulfide | 2.501 | 76 | 136752 | 54.881 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 91330 | 42.373 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 257121 | 50.264 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 82193 | 52.348 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 75912 | 54.489 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 246112 | 50.057 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 882527 | 220.784 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 146892 | 53.598 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 295478 | 248.629 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 64400 | 28.925 | ug/l | 93 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 94786 | 53.571 | ug/l | 90 |
| 28) Bromochloromethane | 4.891 | 49 | 64892 | 48.286 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.013 | 42 | 190066 | 249.164 | ug/l | 99 |
| 30) Chloroform | 5.092 | 83 | 158091 | 51.341 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 114705 | 51.830 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 131697 | 51.524 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 95317 | 50.092 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 98162 | 41.733 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 107044 | 52.253 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 111938 | 49.208 | ug/l | 99 |
| 40) Benzene | 6.031 | 78 | 308489 | 53.397 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044418.D
Acq On : 19 Dec 2024 06:51 am
Operator : JC/MD
Sample : P5317-20MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Quant Time: Dec 19 07:43:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 61093 | 48.914 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 120186 | 50.501 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 168928 | 45.950 | ug/l | | 98 |
| 44) Trichloroethene | 7.123 | 130 | 267679 | 185.797 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 76356 | 51.732 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 59613 | 52.060 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.818 | 83 | 106514 | 53.860 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 89170 | 49.967 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.665 | 88 | 36595 | 1236.819 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 612508 | 259.119 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 192052 | 52.936 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 97126 | 46.021 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 107458 | 49.904 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 78981 | 54.799 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 121540 | 53.416 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 132816 | 52.942 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.171 | 63 | 315 | 0.274 | ug/l | # | 46 |
| 59) 2-Hexanone | 9.433 | 43 | 449879 | 262.936 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.518 | 129 | 77763 | 50.885 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 80264 | 54.710 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.269 | 164 | 62279 | 49.825 | ug/l | | 99 |
| 65) Chlorobenzene | 10.079 | 112 | 206411 | 51.150 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 69756 | 53.786 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 358045 | 51.351 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 272658 | 106.570 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 135601 | 52.382 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 223981 | 53.973 | ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 46268 | 50.932 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.963 | 105 | 341745 | 50.304 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 132925 | 42.337 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 120063 | 50.882 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 123359 | 62.258 | ug/l | | 85 |
| 77) Bromobenzene | 11.195 | 156 | 85185 | 51.708 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 384780 | 51.244 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 240255 | 49.475 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 283162 | 50.261 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 25426 | 38.247 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 268894 | 50.004 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 288730 | 51.857 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 285385 | 51.580 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 342783 | 50.713 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 281058 | 49.959 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 149233 | 51.859 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 150438 | 50.855 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 230593 | 48.745 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 43707 | 53.222 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 151871 | 50.827 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 22785 | 49.742 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 84448 | 51.552 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 33362 | 50.632 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 319471 | 49.962 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 90592 | 52.140 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044418.D
Acq On : 19 Dec 2024 06:51 am
Operator : JC/MD
Sample : P5317-20MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Quant Time: Dec 19 07:43:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

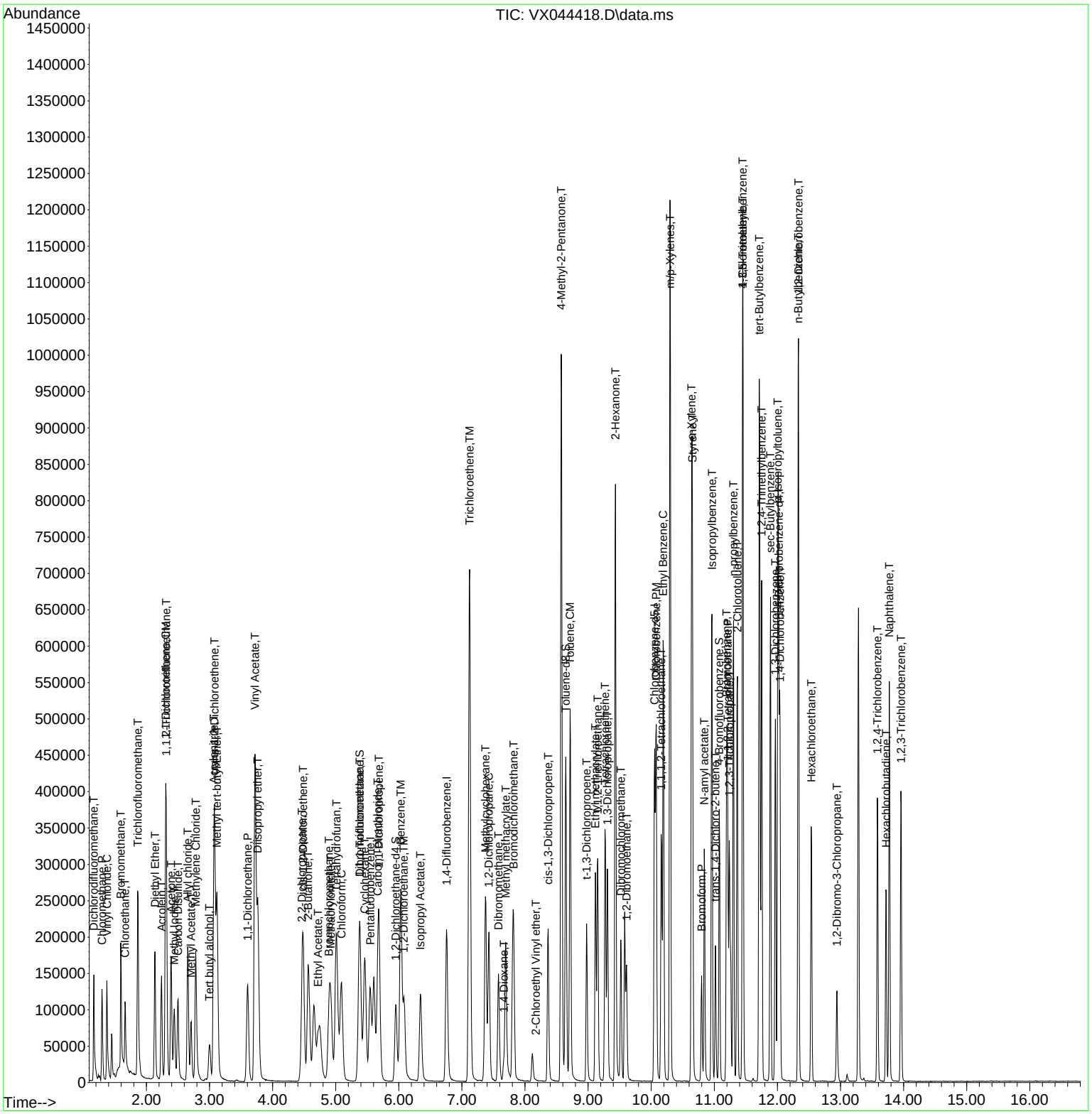
(#) = qualifier out of range (m) = manual integration (+) = signals summed

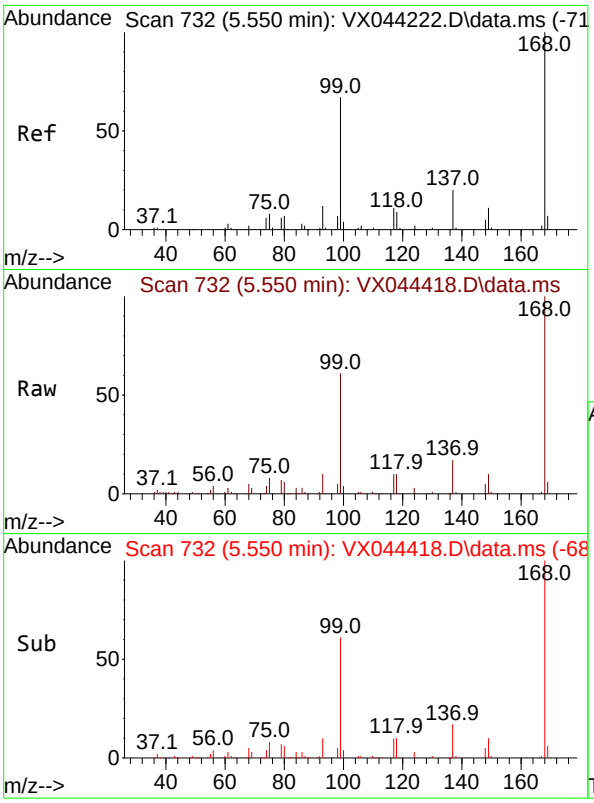
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044418.D
Acq On : 19 Dec 2024 06:51 am
Operator : JC/MD
Sample : P5317-20MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Quant Time: Dec 19 07:43:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



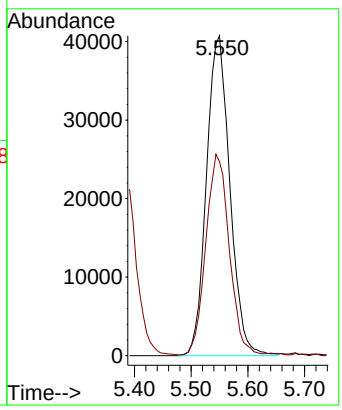


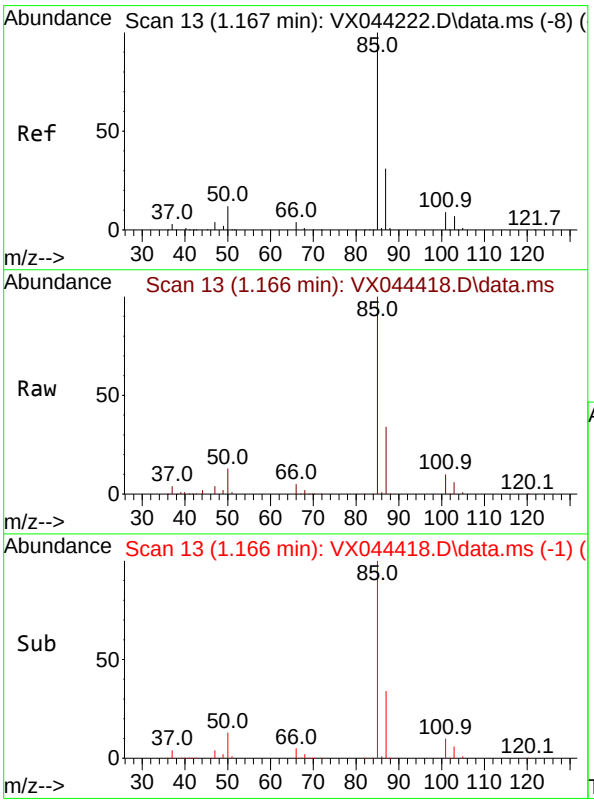

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:168 Resp: 116949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.3 | 53.4 | 80.0 |

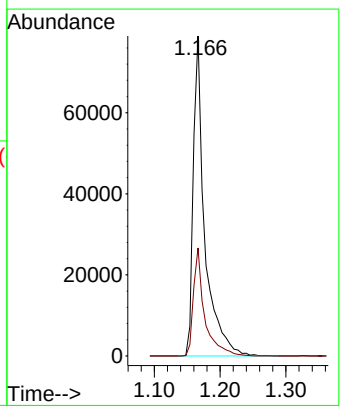


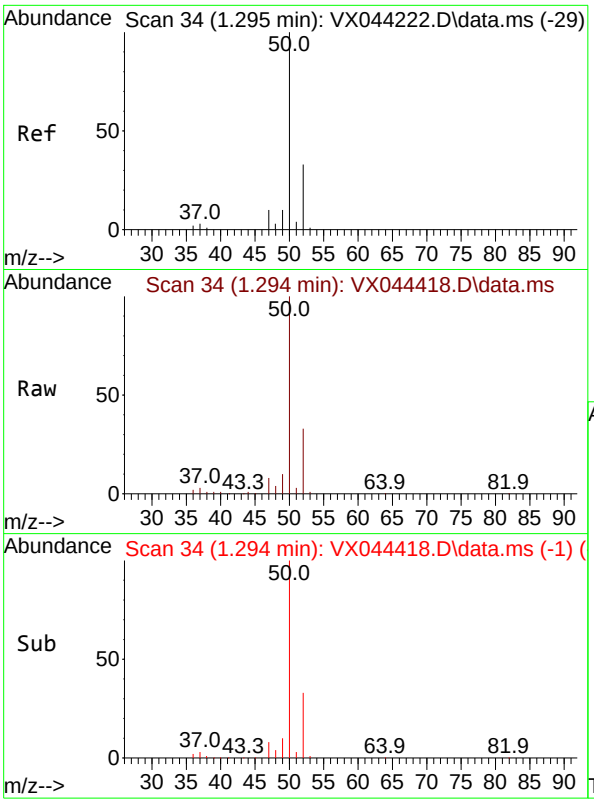




#2
Dichlorodifluoromethane
Concen: 52.485 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 85 Resp: 94910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.7 | 15.4 | 46.4 |



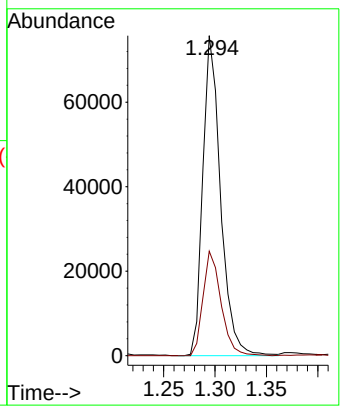


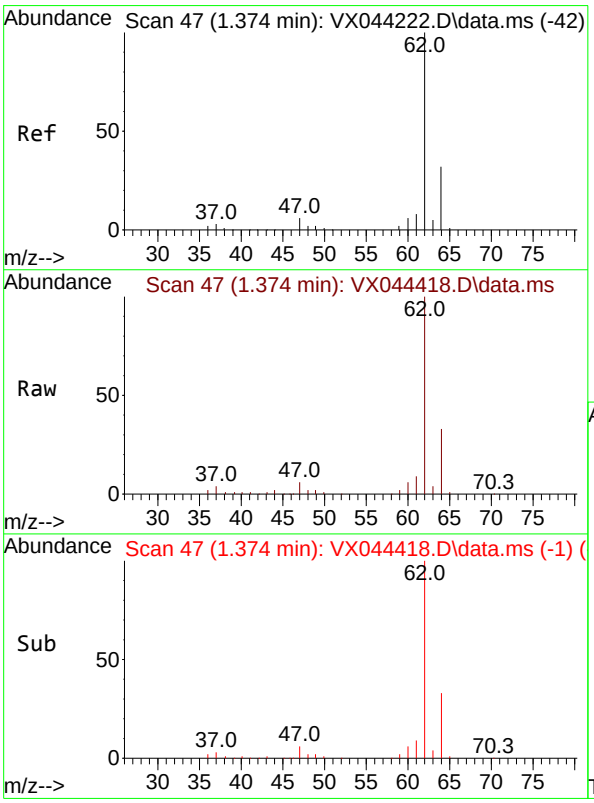

#3
Chloromethane
Concen: 52.828 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 50 Resp: 91353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.7 | 26.5 | 39.7 |

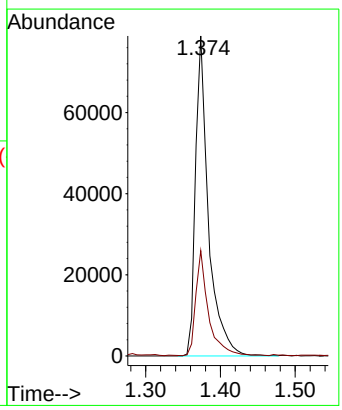


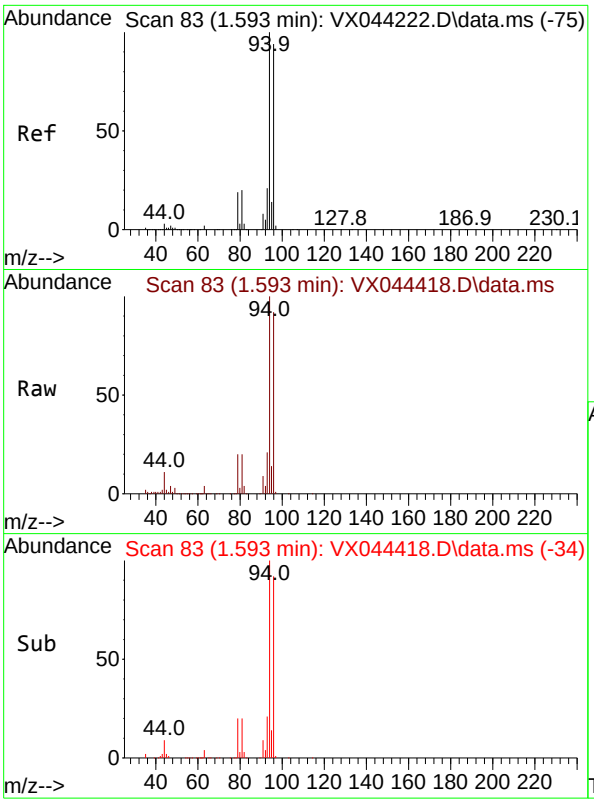




#4
Vinyl Chloride
Concen: 52.690 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 62 Resp: 94923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 25.7 | 38.5 |



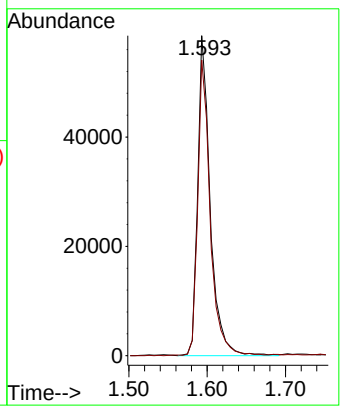


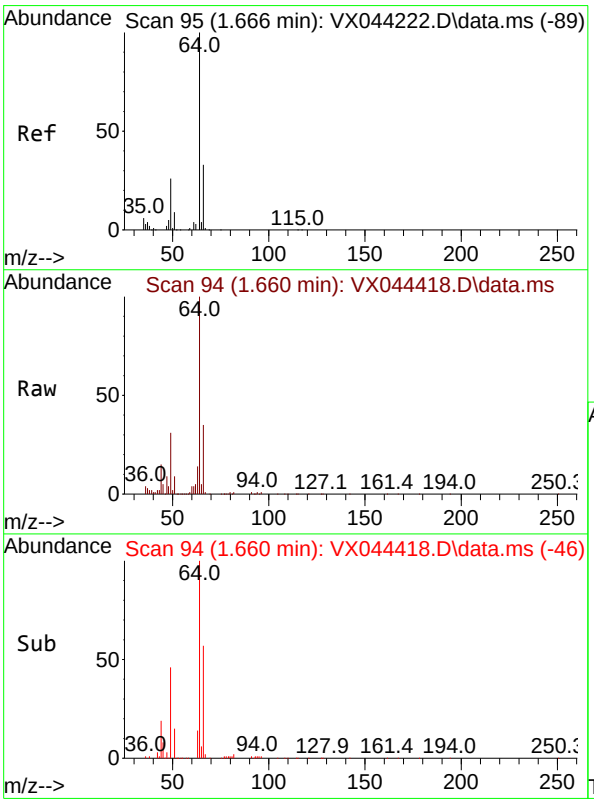

#5
Bromomethane
Concen: 51.087 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 94 Resp: 65294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.2 | 74.9 | 112.3 |

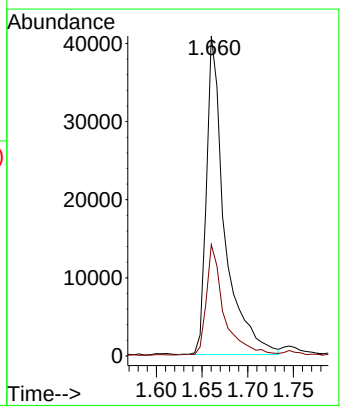


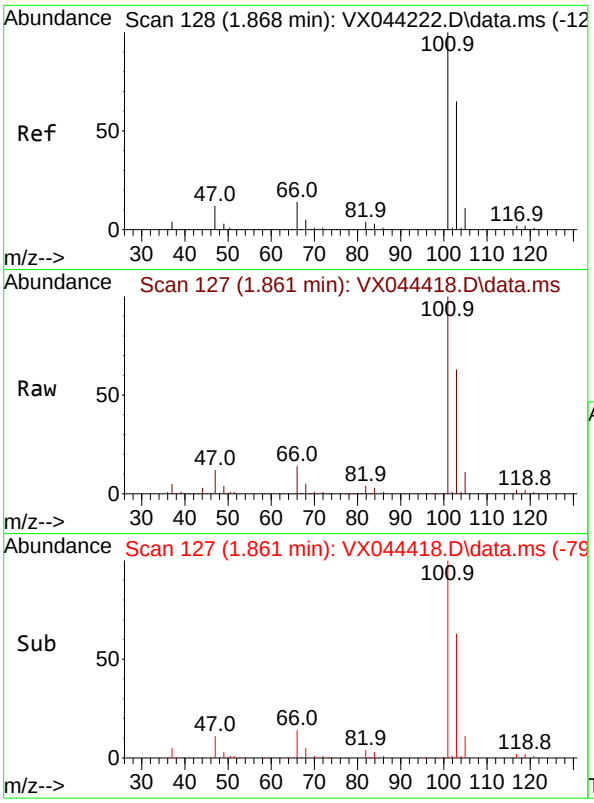




#6
Chloroethane
Concen: 50.041 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 64 Resp: 56136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.6 | 26.6 | 39.8 |



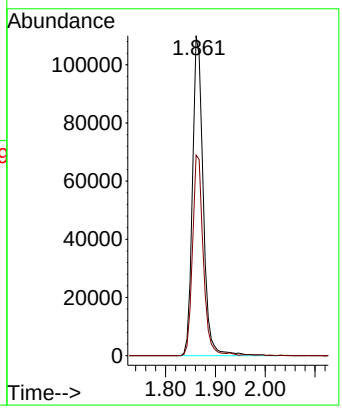


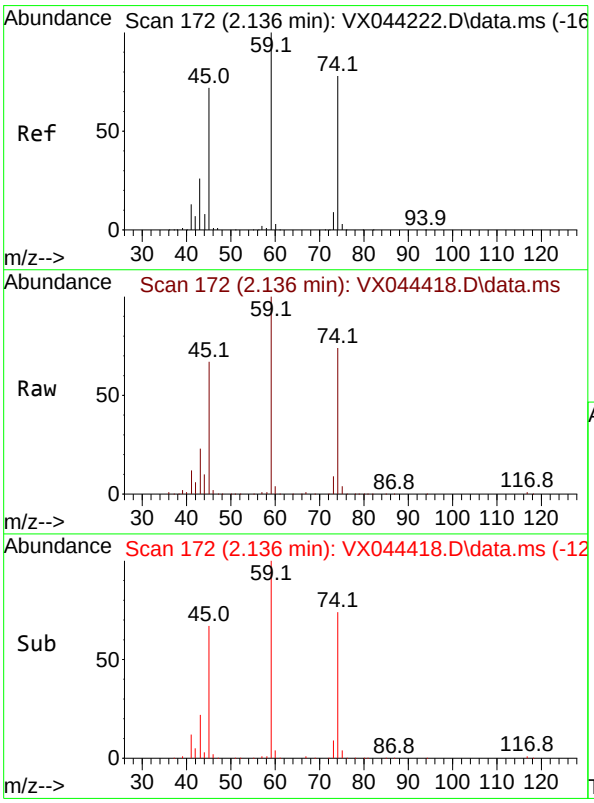

#7
Trichlorofluoromethane
Concen: 46.536 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:101 Resp: 164127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.7 | 51.8 | 77.8 |

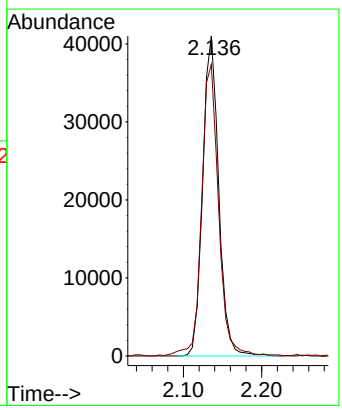


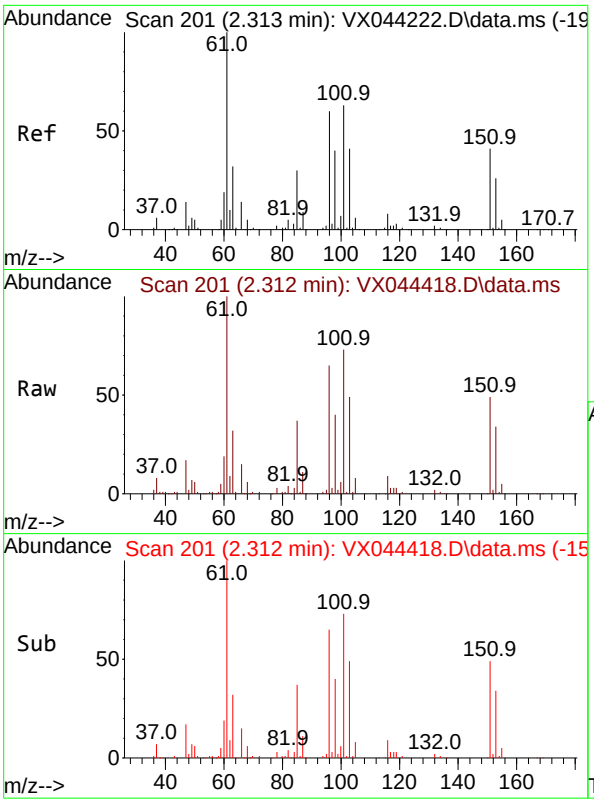




#8
Diethyl Ether
Concen: 48.195 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 74 Resp: 58021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.7 | 48.4 | 145.0 |



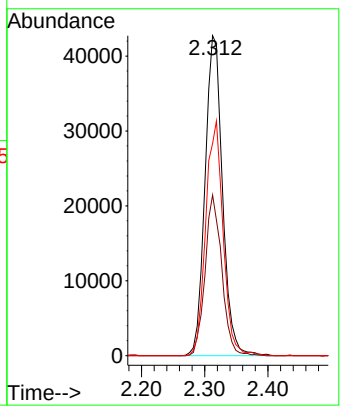


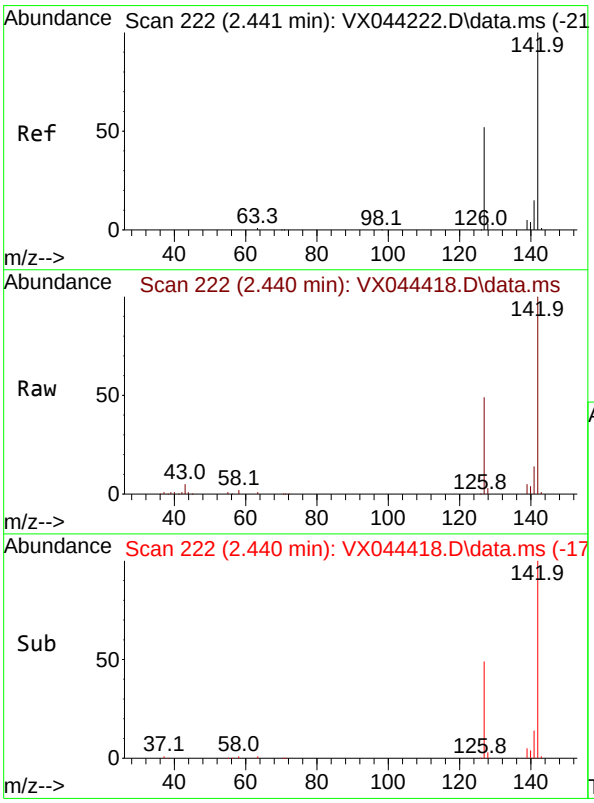

#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.547 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:101 Resp: 82128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.9 | 38.5 | 57.7 |
| 151 | 72.9 | 55.8 | 83.6 |

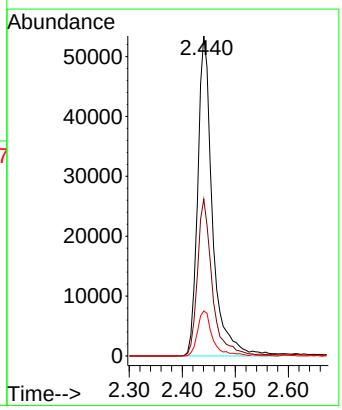


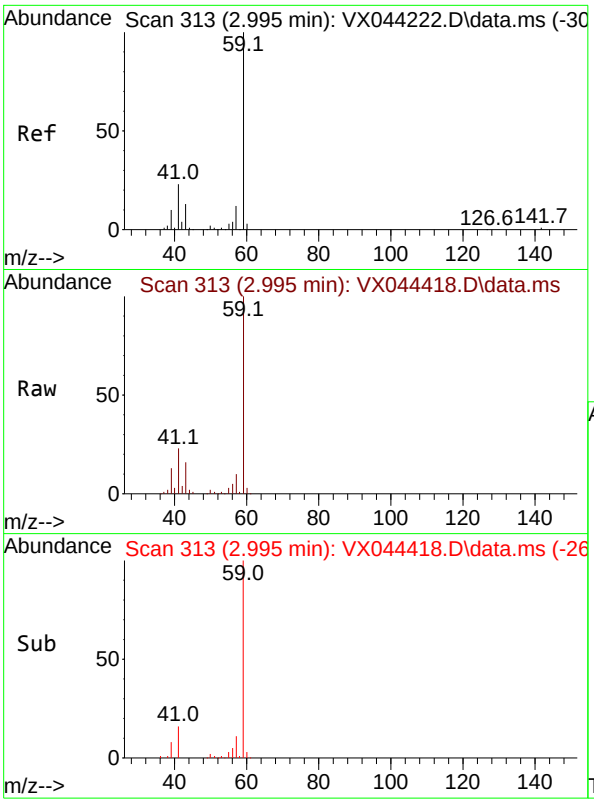




#10
Methyl Iodide
Concen: 55.170 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:142 Resp: 103771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.1 | 41.8 | 62.8 |
| 141 | 14.3 | 11.5 | 17.3 |



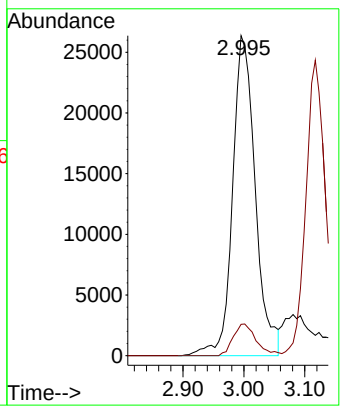


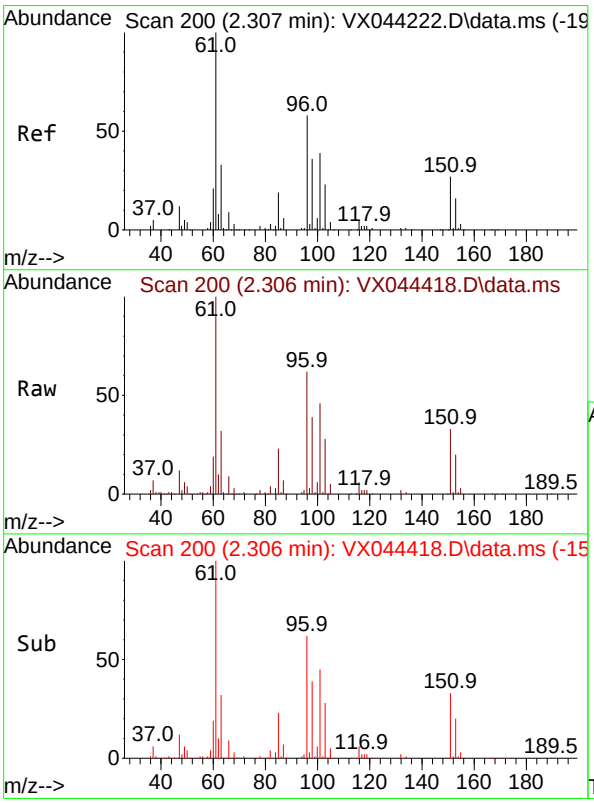

#11
Tert butyl alcohol
Concen: 236.352 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 59 Resp: 68303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.1 | 8.8 | 13.2 |

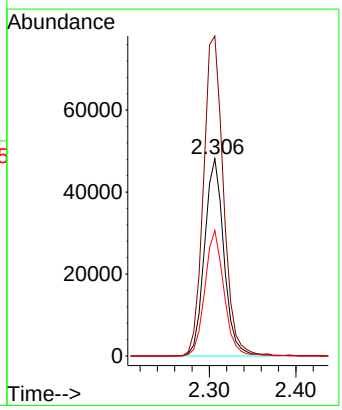


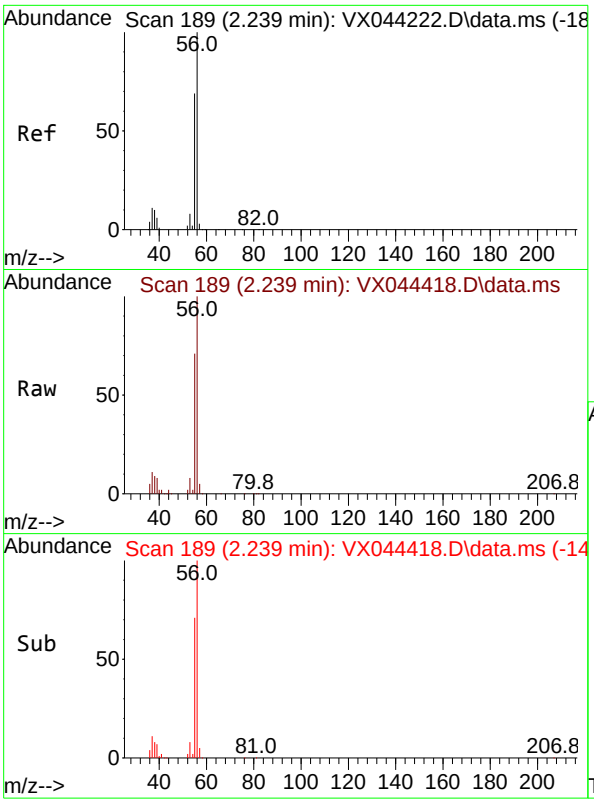




#12
1,1-Dichloroethene
Concen: 57.053 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 96 Resp: 74788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.1 | 138.0 | 207.0 |
| 98 | 63.7 | 50.0 | 75.0 |



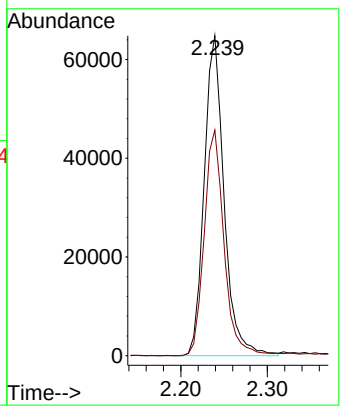


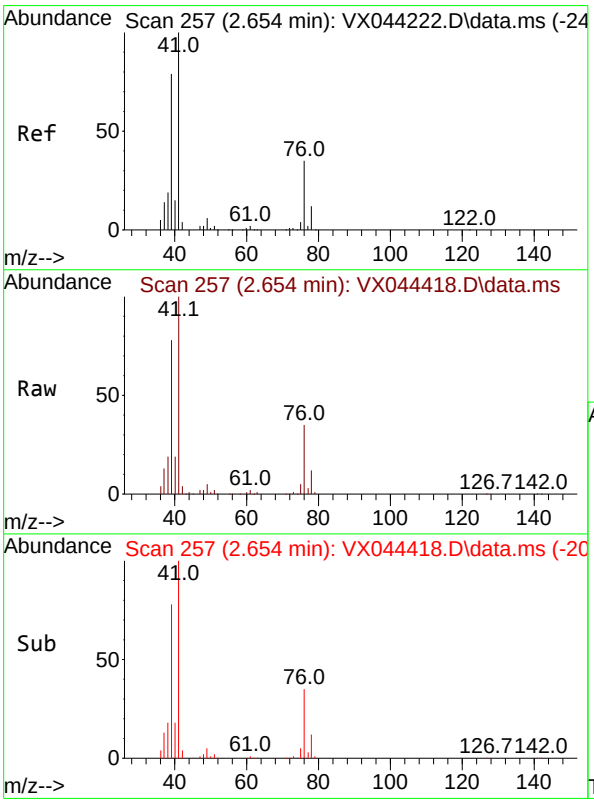

#13
Acrolein
Concen: 246.755 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 56 Resp: 103223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.4 | 56.6 | 84.8 |

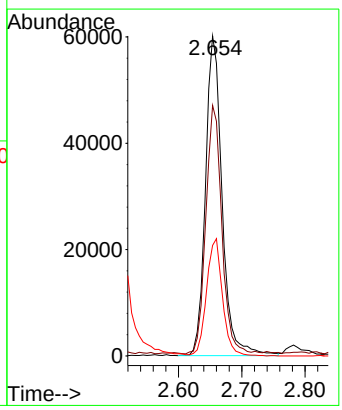


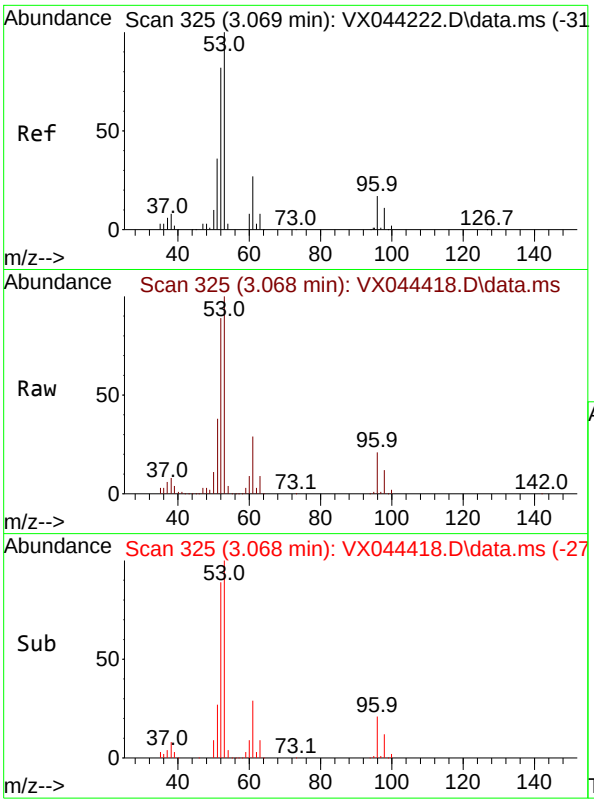




#14
Allyl chloride
Concen: 50.235 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 41 Resp: 109683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.9 | 61.9 | 92.9 |
| 76 | 35.3 | 27.4 | 41.2 |



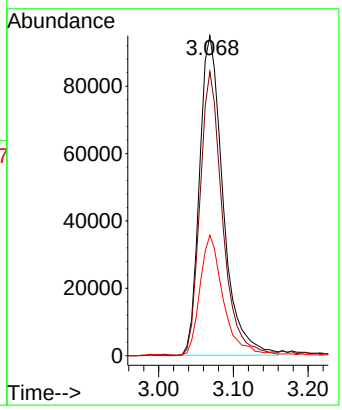


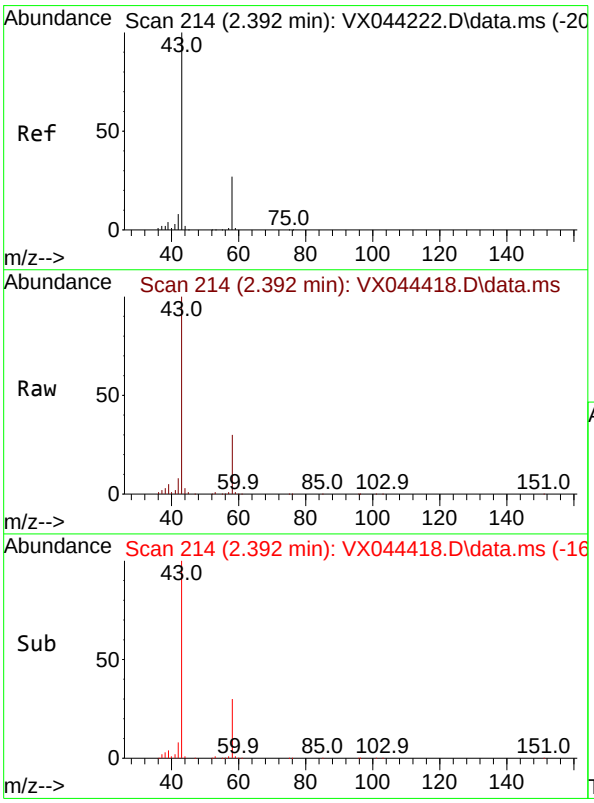

#15
Acrylonitrile
Concen: 259.773 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 53 Resp: 207951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.0 | 67.4 | 101.0 |
| 51 | 37.9 | 30.3 | 45.5 |

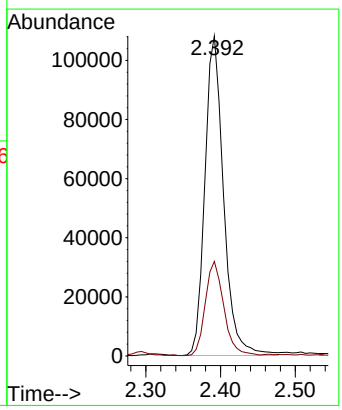


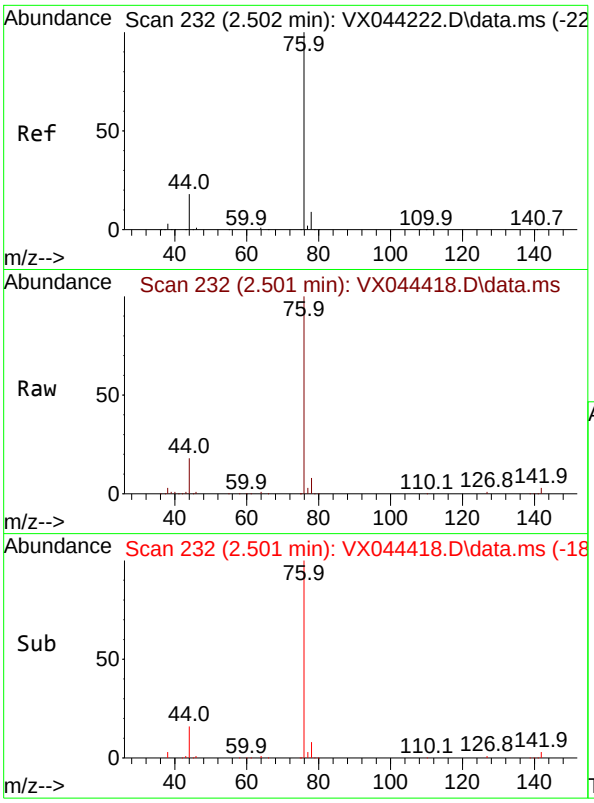




#16
Acetone
Concen: 225.321 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 43 Resp: 188359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.5 | 21.6 | 32.4 |



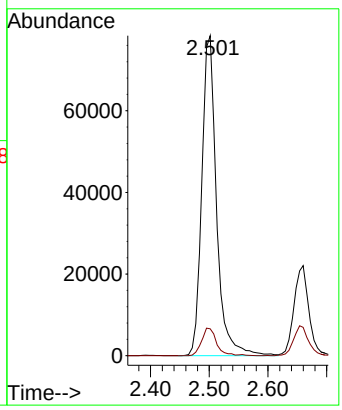


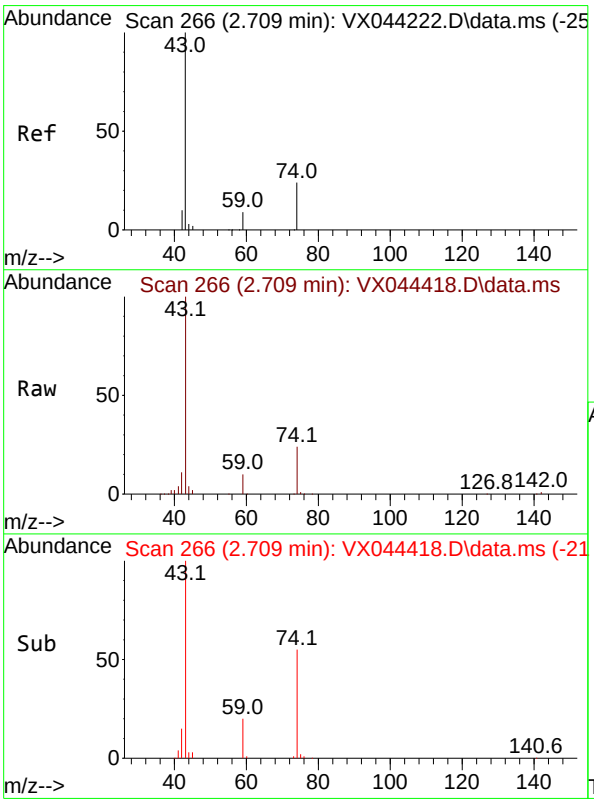

#17
Carbon Disulfide
Concen: 54.881 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 76 Resp: 136752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.4 | 11.0 |

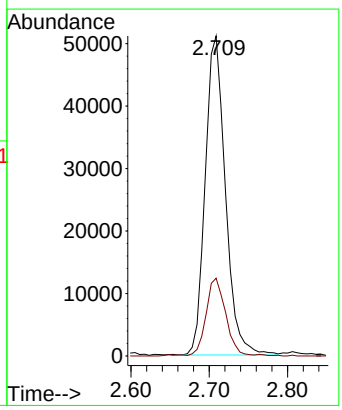


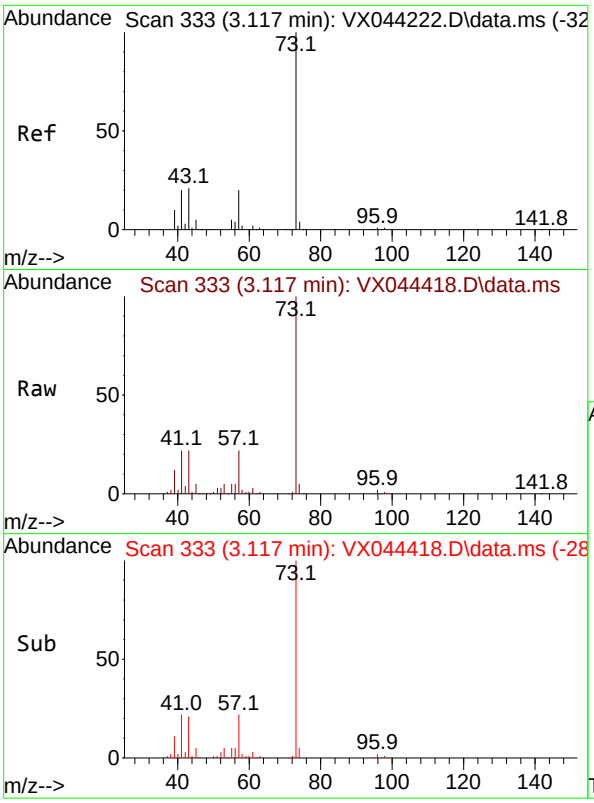




#18
Methyl Acetate
Concen: 42.373 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 43 Resp: 91330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.9 | 17.7 | 26.5 |



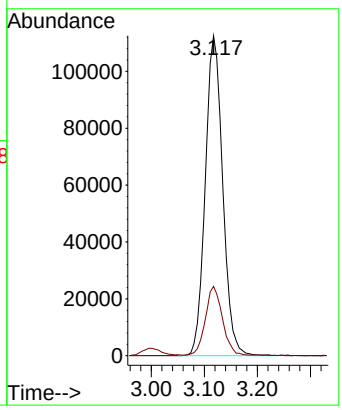


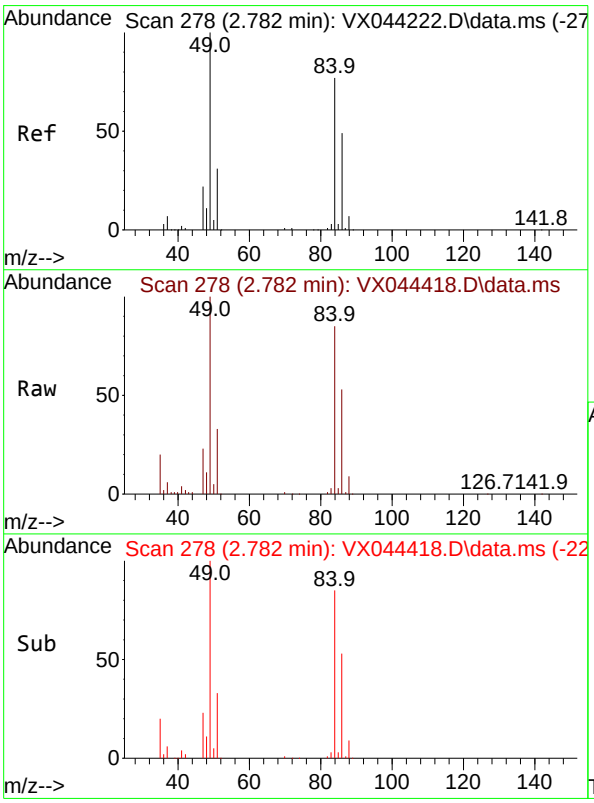

#19
Methyl tert-butyl Ether
Concen: 50.264 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 73 Resp: 257121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 16.2 | 24.4 |

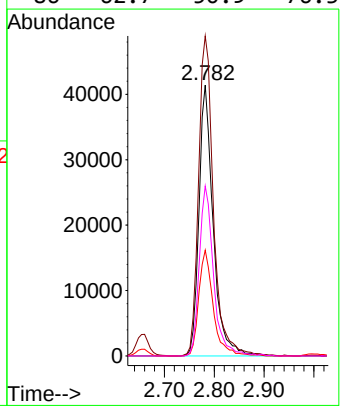


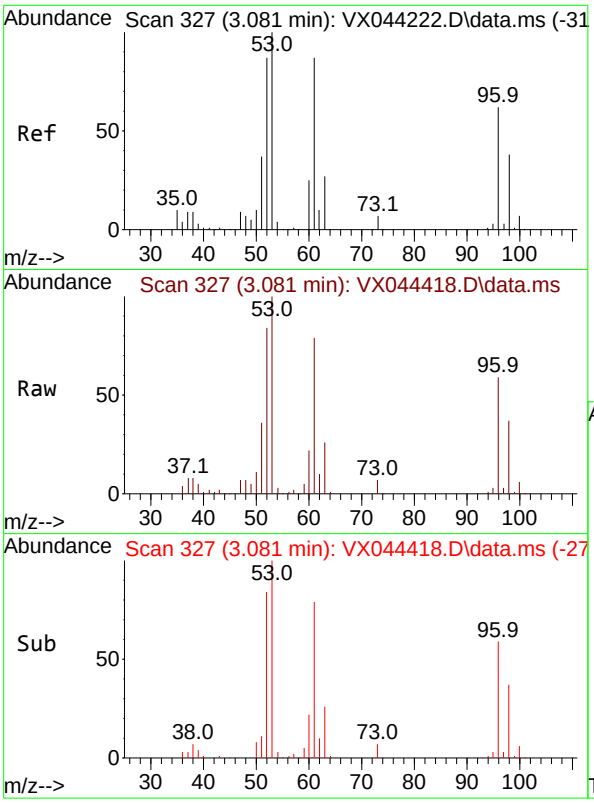




#20
Methylene Chloride
Concen: 52.348 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 84 Resp: 82193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 118.1 | 104.2 | 156.4 |
| 51 | 39.0 | 32.2 | 48.4 |
| 86 | 62.7 | 50.9 | 76.3 |



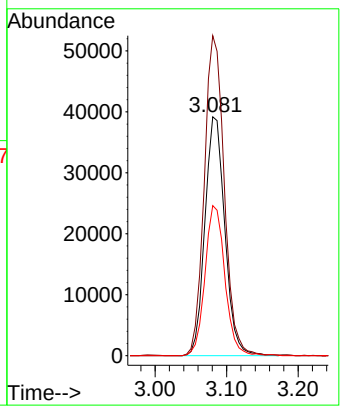


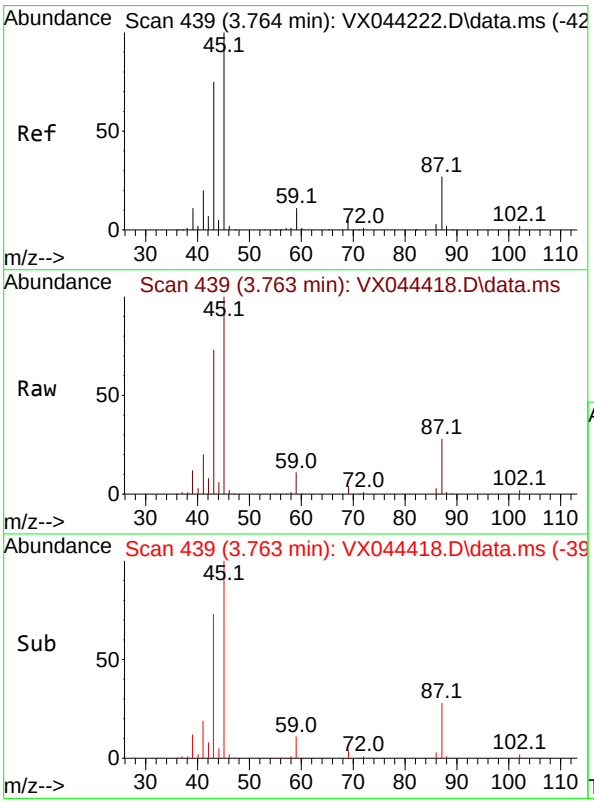

#21
trans-1,2-Dichloroethene
Concen: 54.489 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 96 Resp: 75912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.0 | 112.0 | 168.0 |
| 98 | 62.8 | 48.8 | 73.2 |

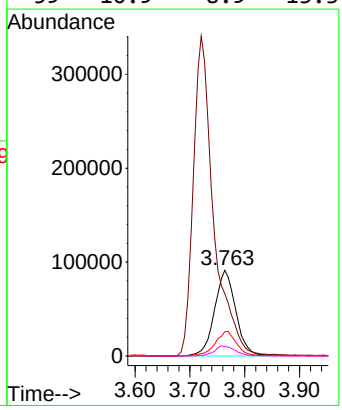


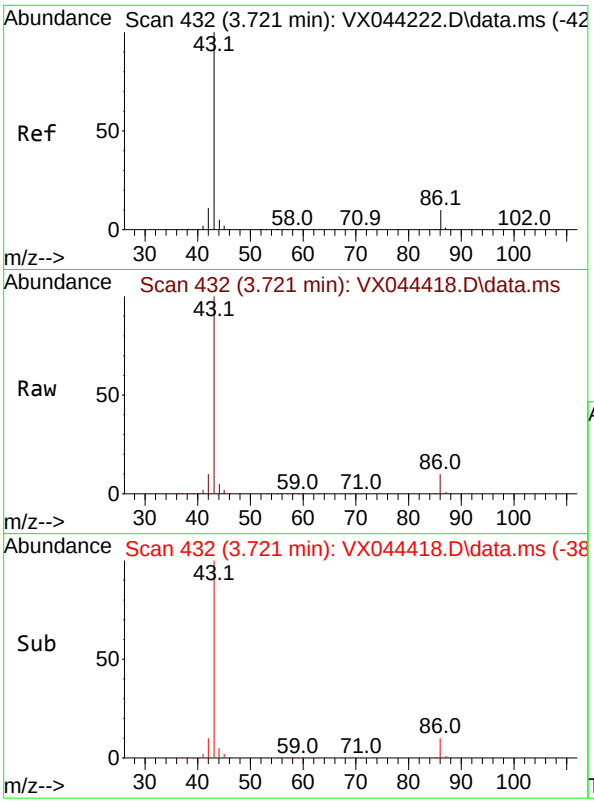




#22
Diisopropyl ether
Concen: 50.057 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 45 Resp: 246112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 71.9 | 60.2 | 90.2 |
| 87 | 28.3 | 21.2 | 31.8 |
| 59 | 10.9 | 8.9 | 13.3 |



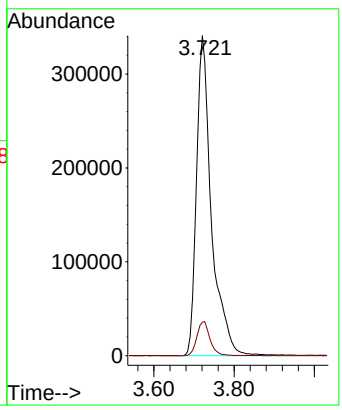


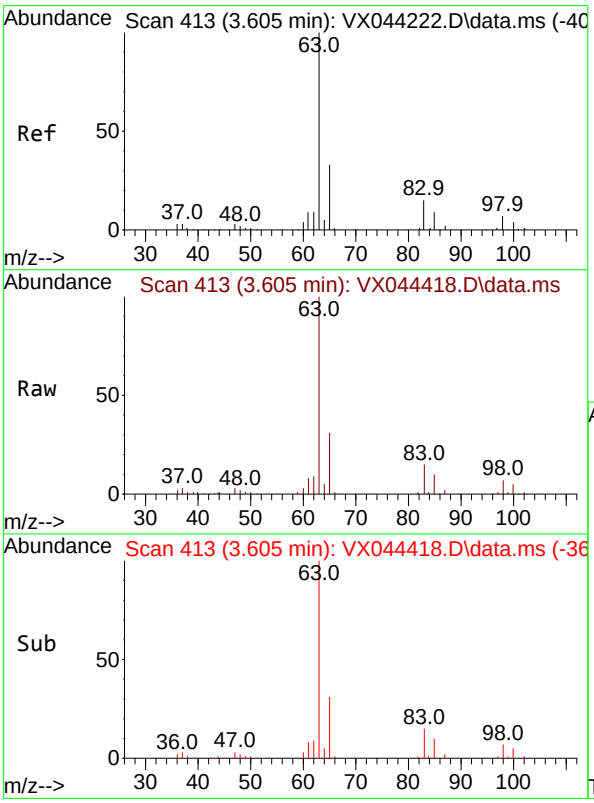

#23
Vinyl Acetate
Concen: 220.784 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 43 Resp: 882527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.2 | 12.2 |

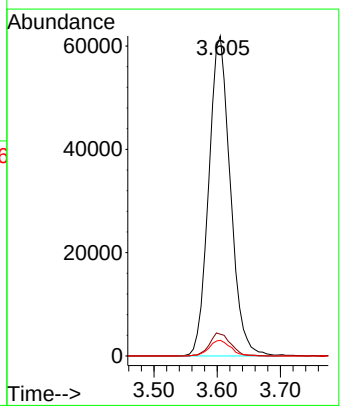


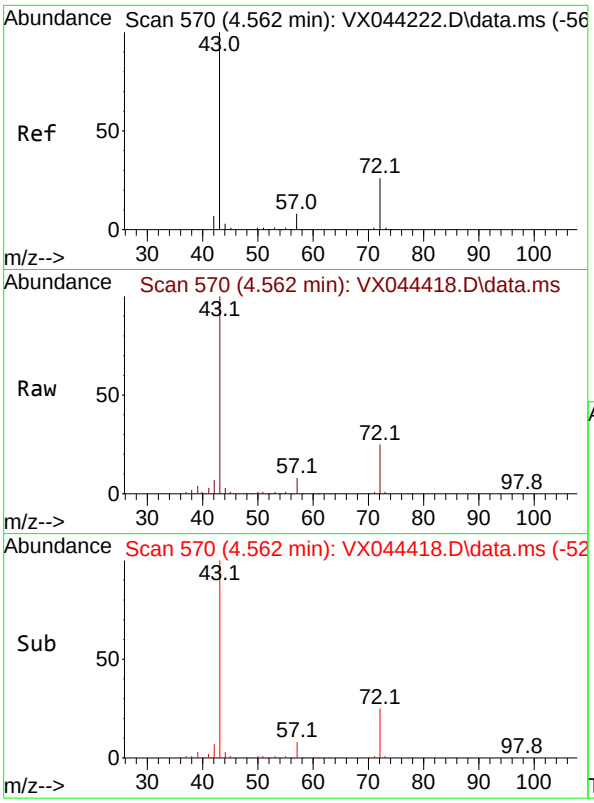




#24
1,1-Dichloroethane
Concen: 53.598 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 63 Resp: 146892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |



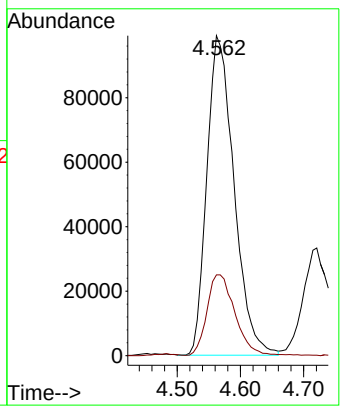


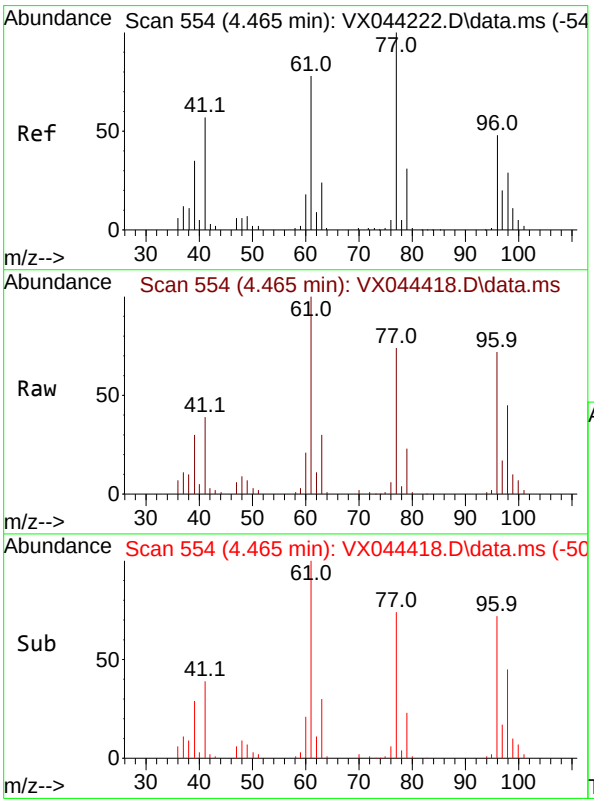

#25
2-Butanone
Concen: 248.629 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 43 Resp: 295478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.0 | 20.2 | 30.4 |

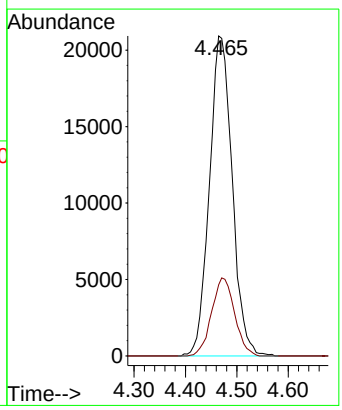


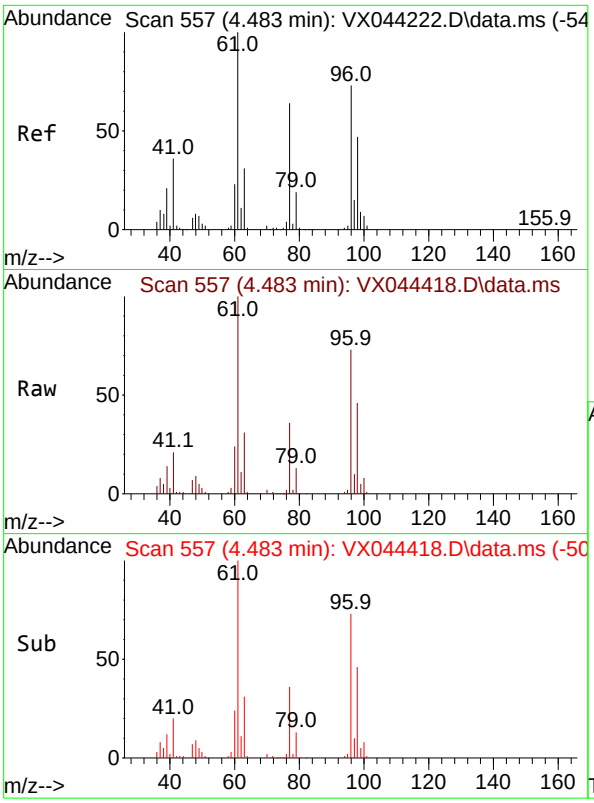




#26
2,2-Dichloropropane
Concen: 28.925 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 77 Resp: 64400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 24.7 | 10.7 | 32.1 |



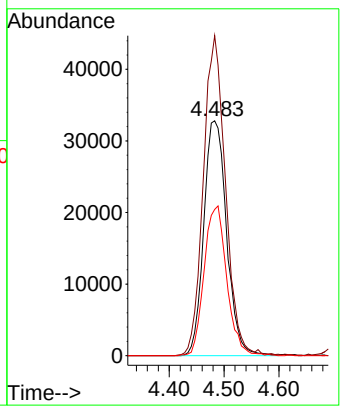


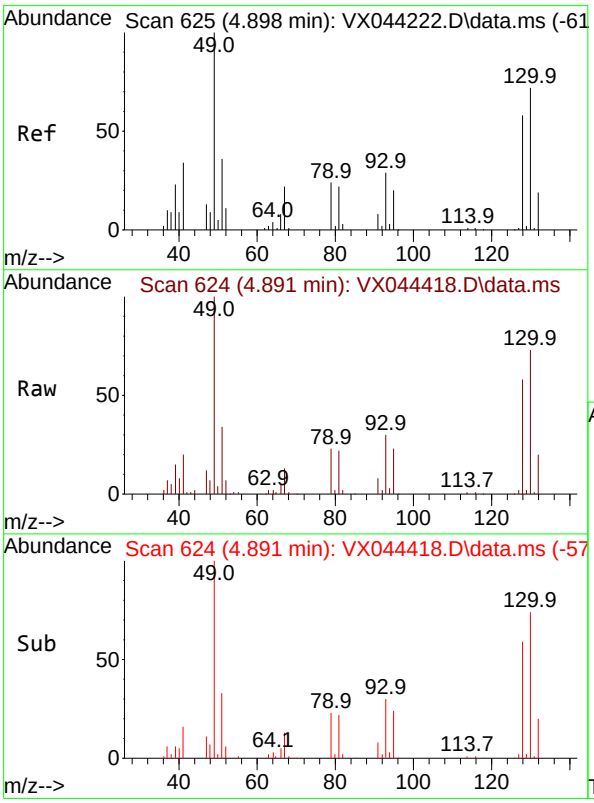

#27
cis-1,2-Dichloroethene
Concen: 53.571 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 96 Resp: 94786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 132.4 | 0.0 | 299.0 |
| 98 | 63.2 | 0.0 | 129.0 |

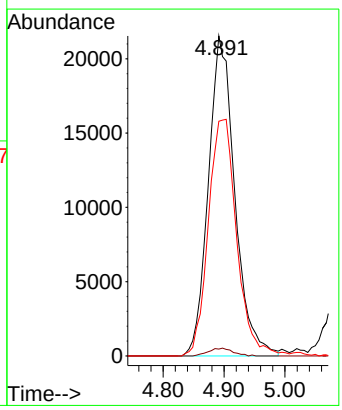


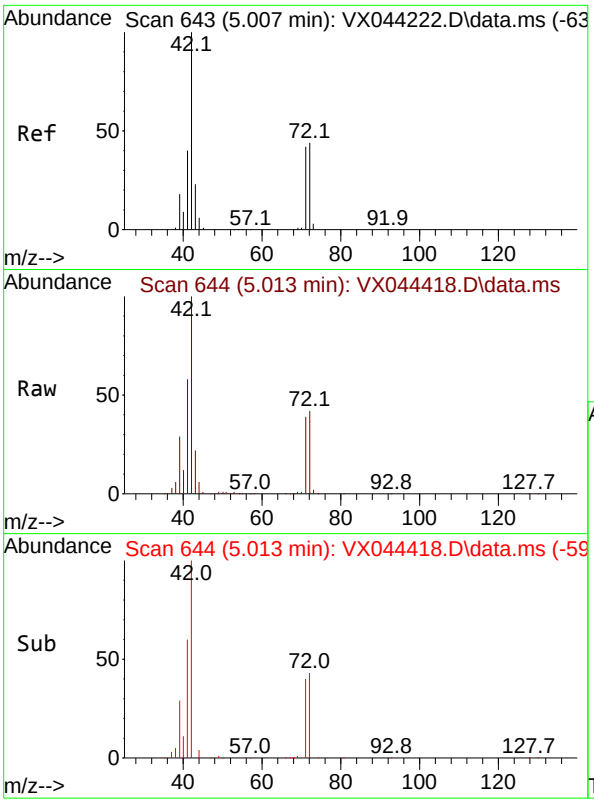




#28
Bromochloromethane
Concen: 48.286 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 49 Resp: 64892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.2 |
| 130 | 79.3 | 62.1 | 93.1 |



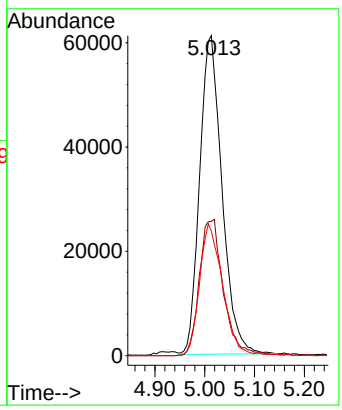


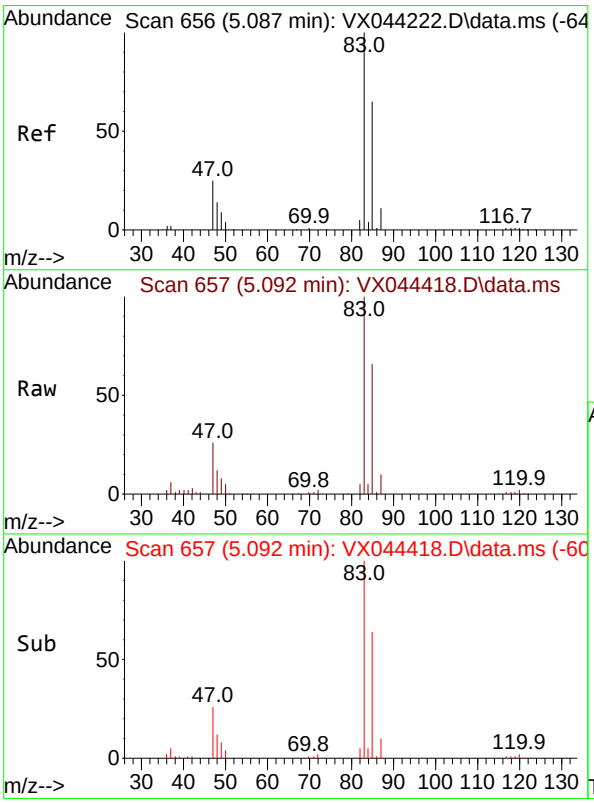

#29
Tetrahydrofuran
Concen: 249.164 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 42 Resp: 190066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.9 | 37.0 | 55.6 |
| 71 | 42.8 | 33.6 | 50.4 |

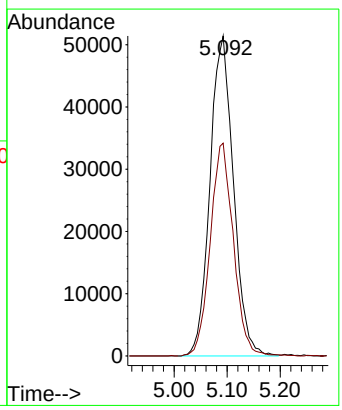


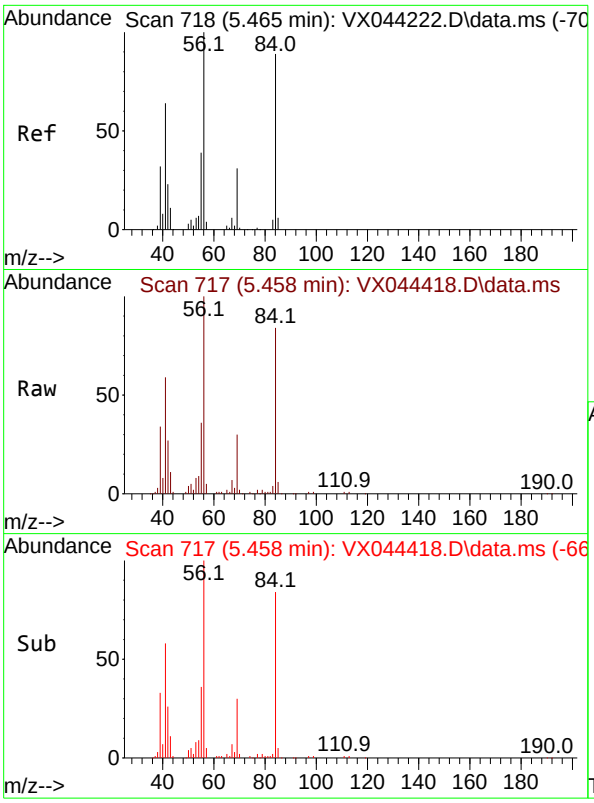




#30
Chloroform
Concen: 51.341 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 83 Resp: 158091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.5 | 51.6 | 77.4 |



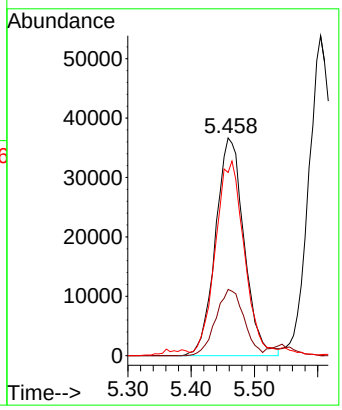


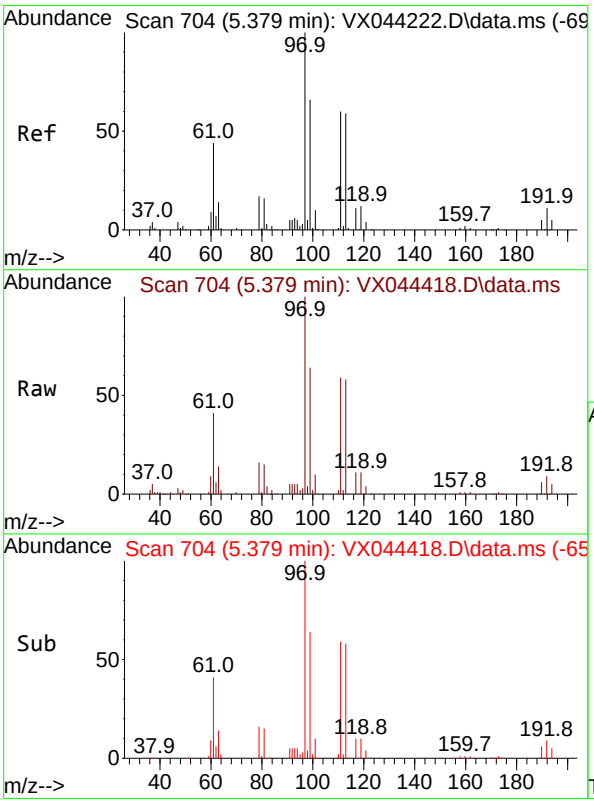

#31
Cyclohexane
Concen: 51.830 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 56 Resp: 114705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.4 | 24.7 | 37.1 |
| 84 | 82.3 | 71.0 | 106.6 |

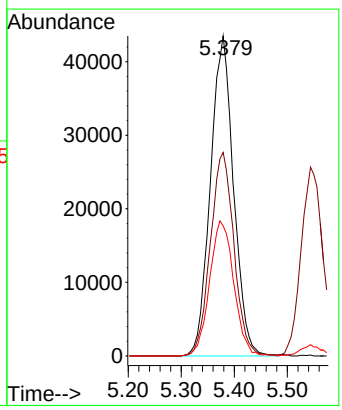


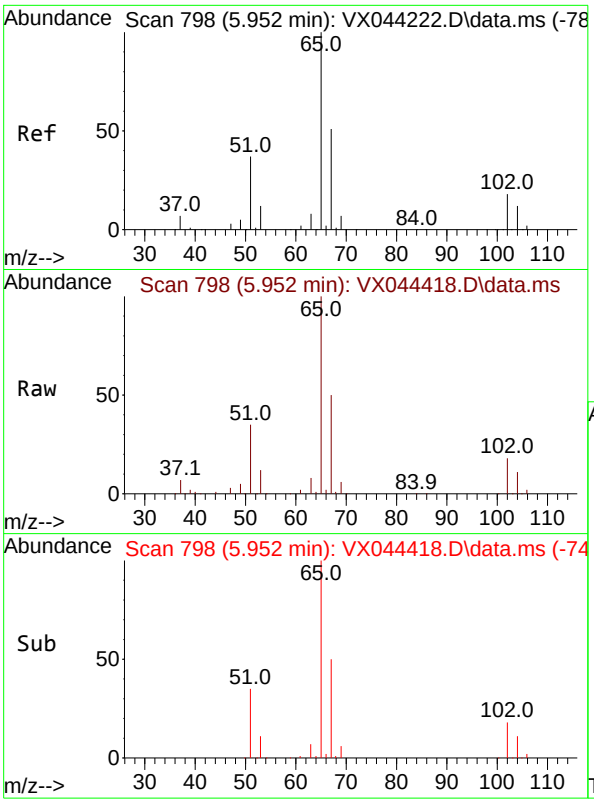




#32
1,1,1-Trichloroethane
Concen: 51.524 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 97 Resp: 131697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.9 | 50.8 | 76.2 |
| 61 | 44.2 | 35.2 | 52.8 |



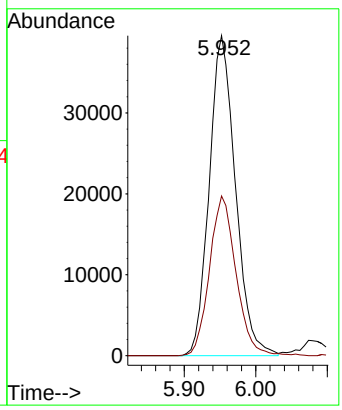


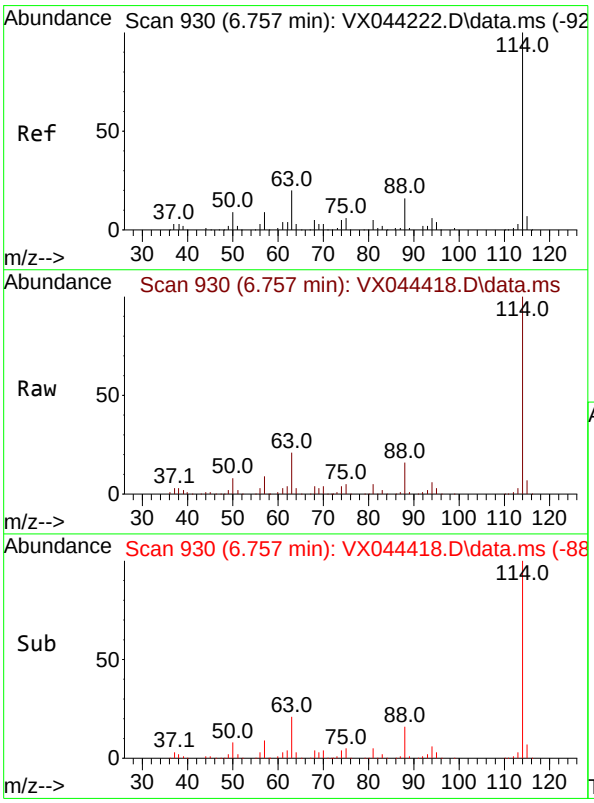

#33
1,2-Dichloroethane-d4
Concen: 49.102 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 65 Resp: 100683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 101.6 |

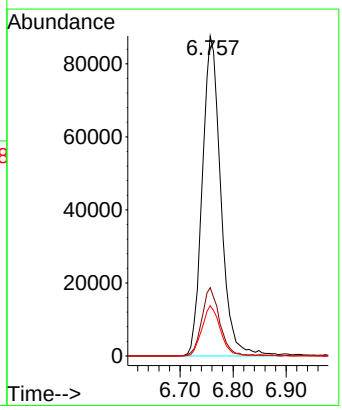


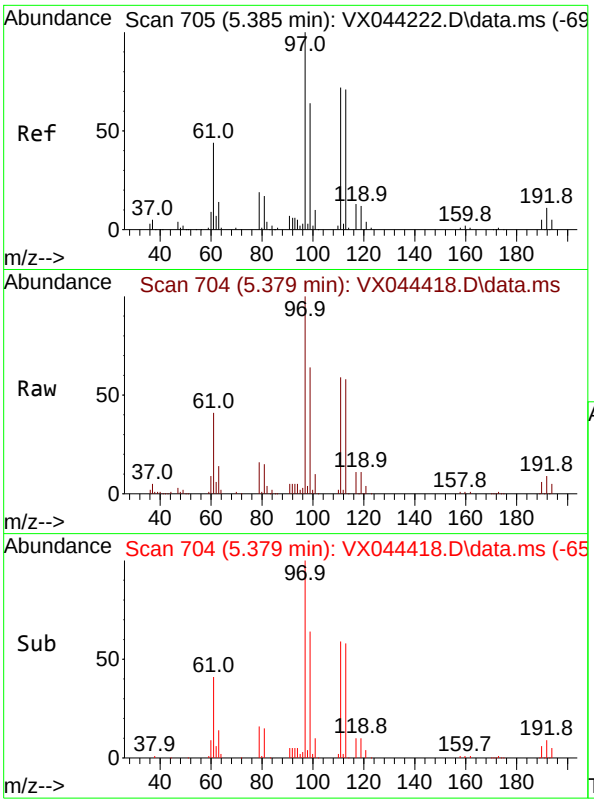




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:114 Resp: 212543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 40.6 |
| 88 | 15.7 | 0.0 | 31.8 |



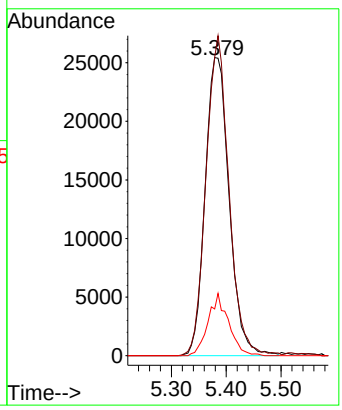


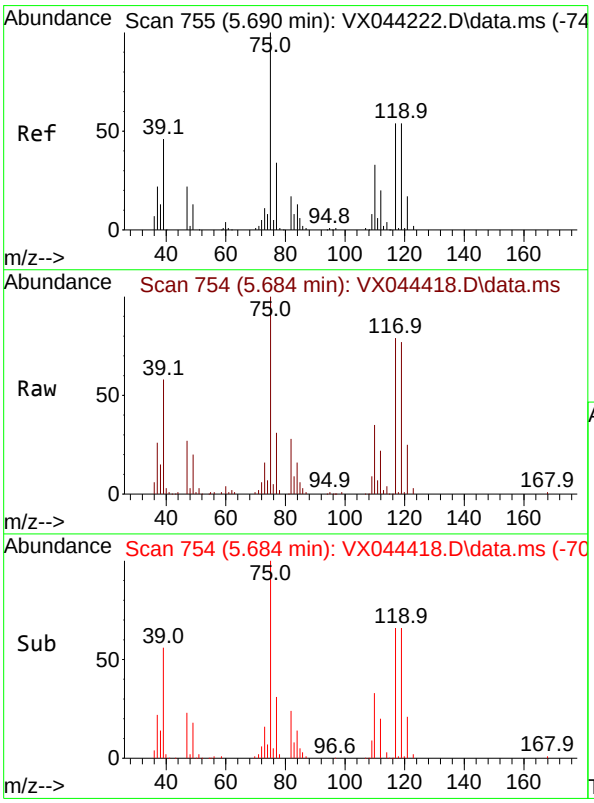

#35
Dibromofluoromethane
Concen: 52.606 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:113 Resp: 77439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 80.4 | 120.6 |
| 192 | 17.8 | 13.3 | 19.9 |

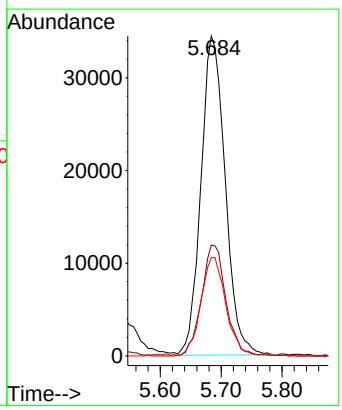


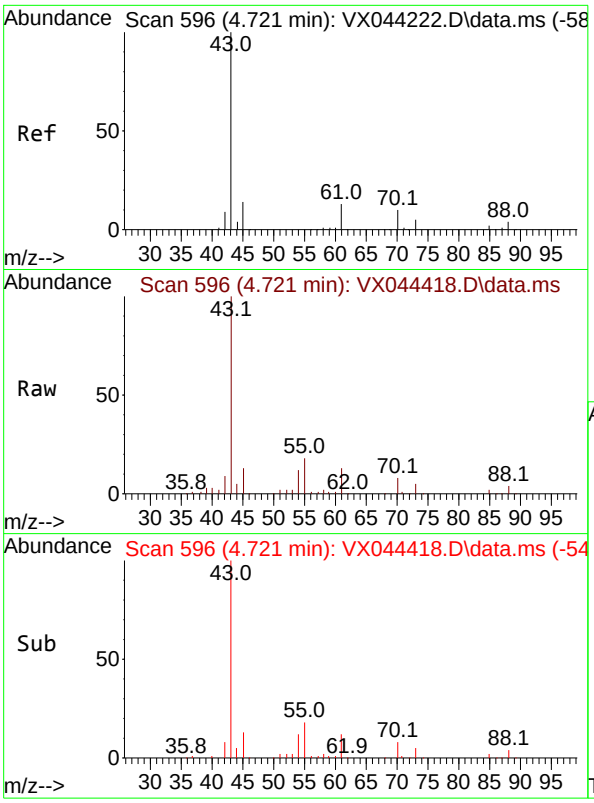




#36
1,1-Dichloropropene
Concen: 50.092 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 75 Resp: 95317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.1 | 17.3 | 51.7 |
| 77 | 31.2 | 25.4 | 38.0 |



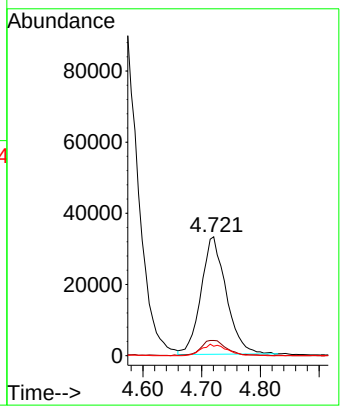


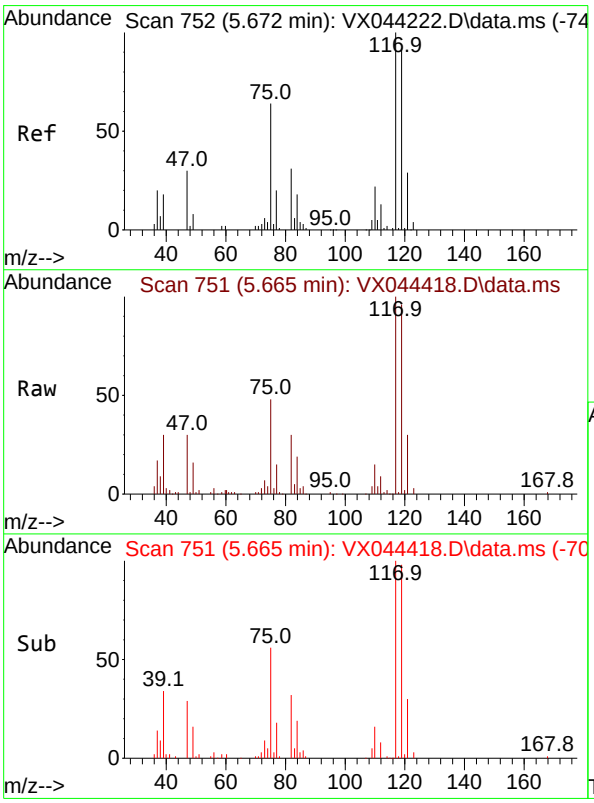

#37
Ethyl Acetate
Concen: 41.733 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 43 Resp: 98162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 9.8 | 14.8 |
| 70 | 9.8 | 7.7 | 11.5 |

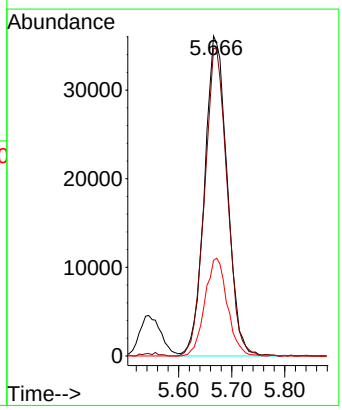


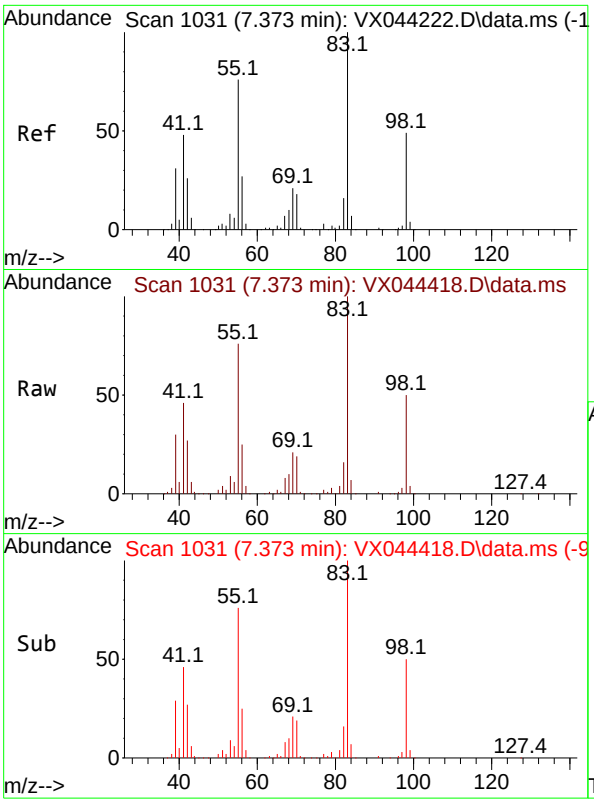




#38
Carbon Tetrachloride
Concen: 52.253 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:117 Resp: 107044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.2 | 74.2 | 111.4 |
| 121 | 29.9 | 23.0 | 34.6 |



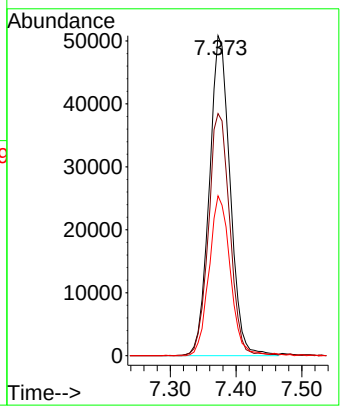


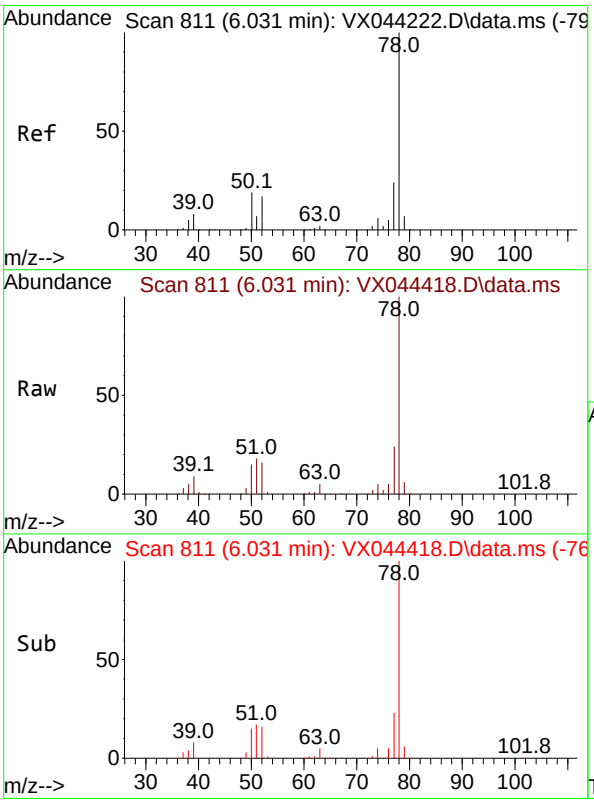

#39
Methylcyclohexane
Concen: 49.208 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 83 Resp: 111938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.5 | 60.7 | 91.1 |
| 98 | 50.0 | 38.9 | 58.3 |

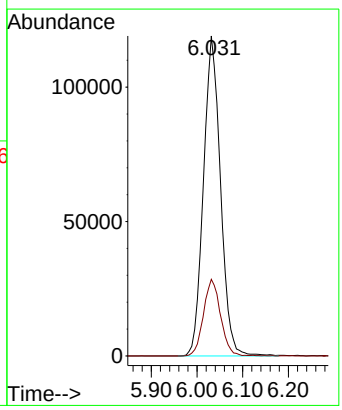


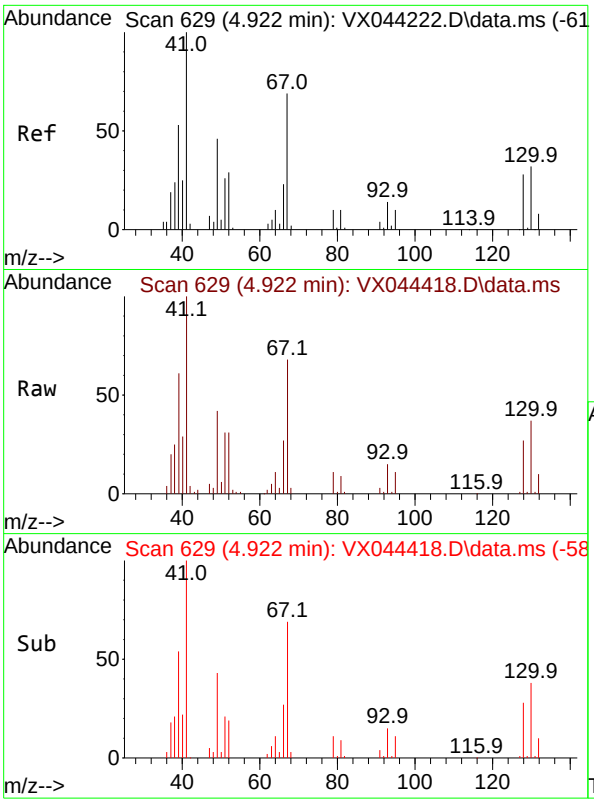




#40
Benzene
Concen: 53.397 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 78 Resp: 308489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.3 | 28.9 |



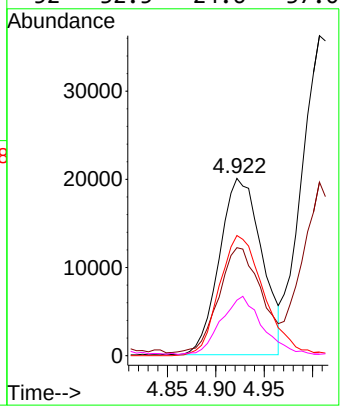


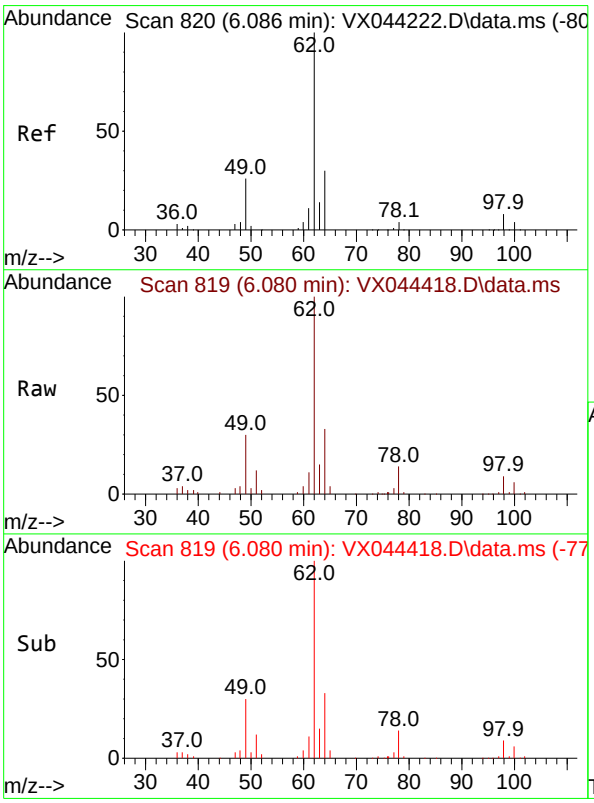

#41
Methacrylonitrile
Concen: 48.914 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 41 Resp: 61093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.0 | 44.2 | 66.4 |
| 67 | 73.0 | 57.2 | 85.8 |
| 52 | 32.5 | 24.6 | 37.0 |

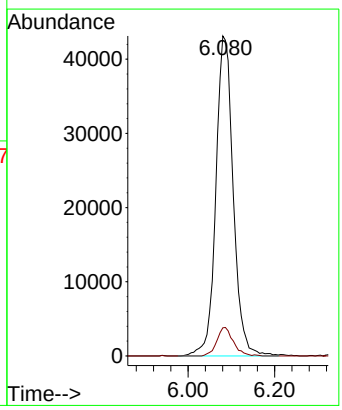


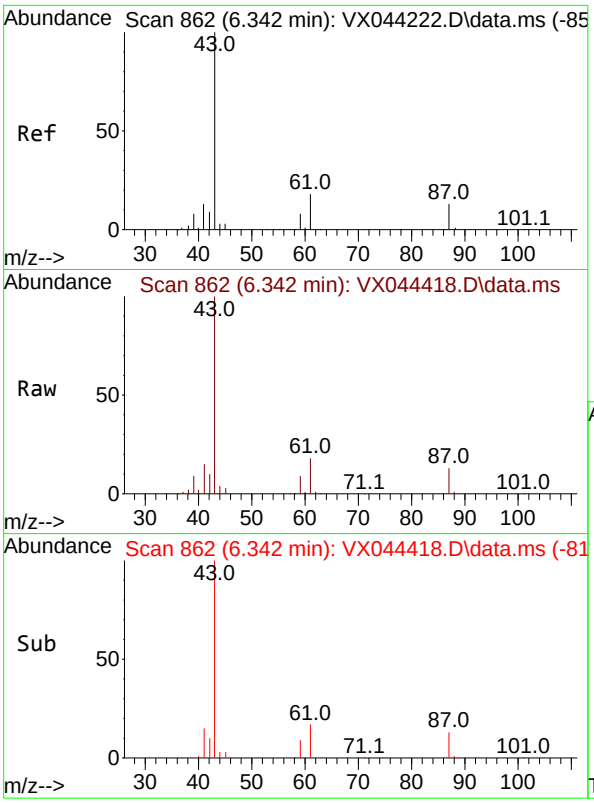




#42
1,2-Dichloroethane
Concen: 50.501 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 62 Resp: 120186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.4 | 0.0 | 15.8 |



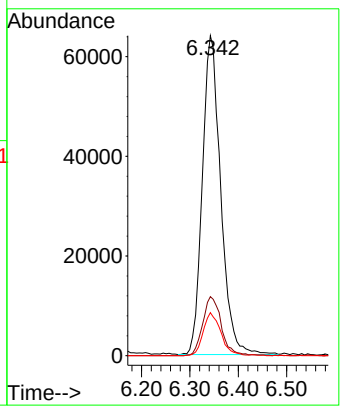


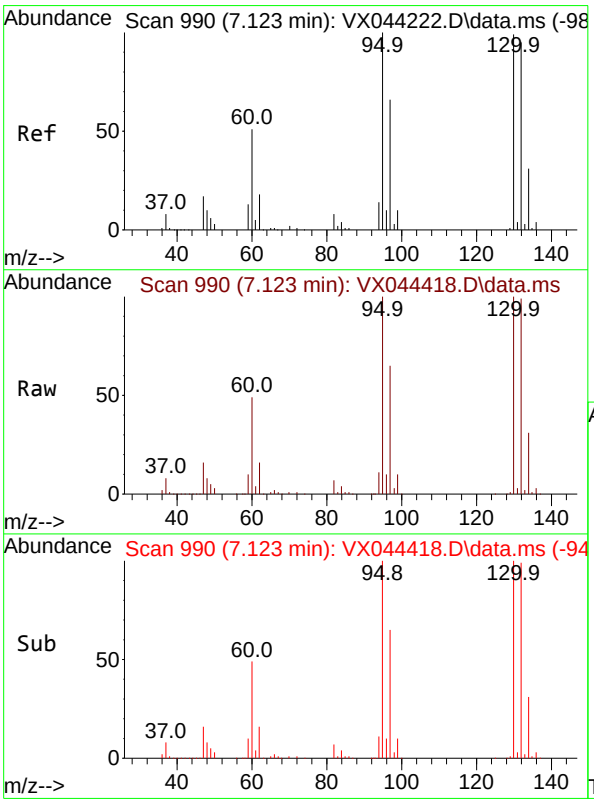

#43
Isopropyl Acetate
Concen: 45.950 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 43 Resp: 168928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.8 | 14.2 | 21.2 |
| 87 | 13.0 | 10.2 | 15.2 |

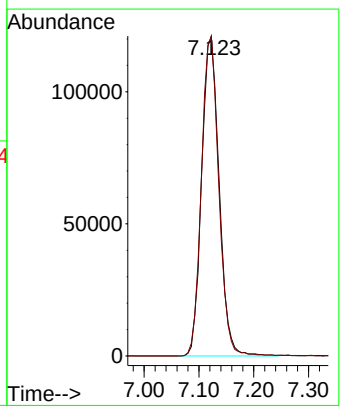


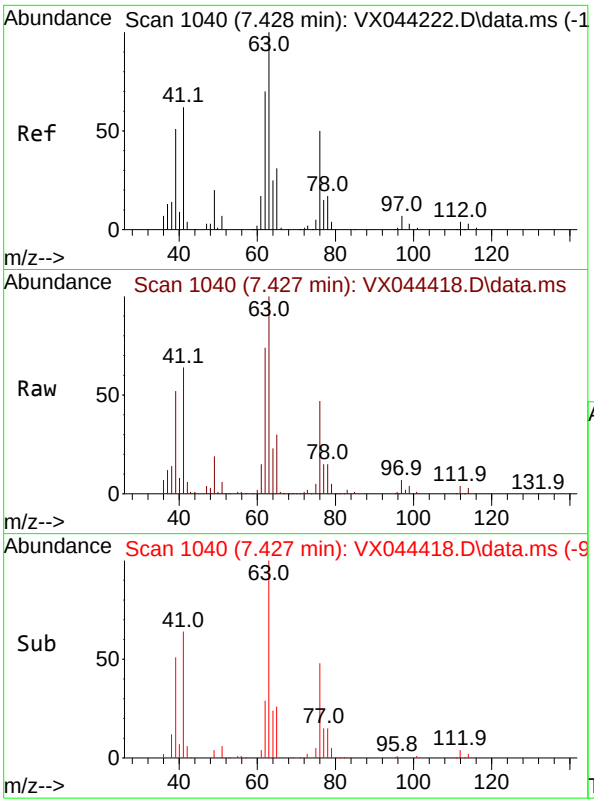




#44
Trichloroethene
Concen: 185.797 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:130 Resp: 267679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.2 | 0.0 | 201.4 |



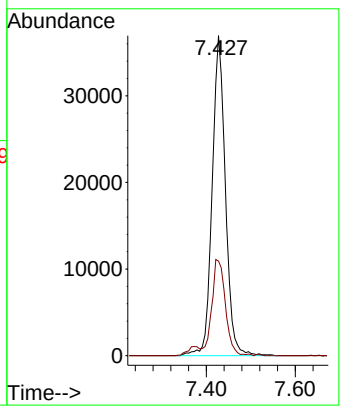


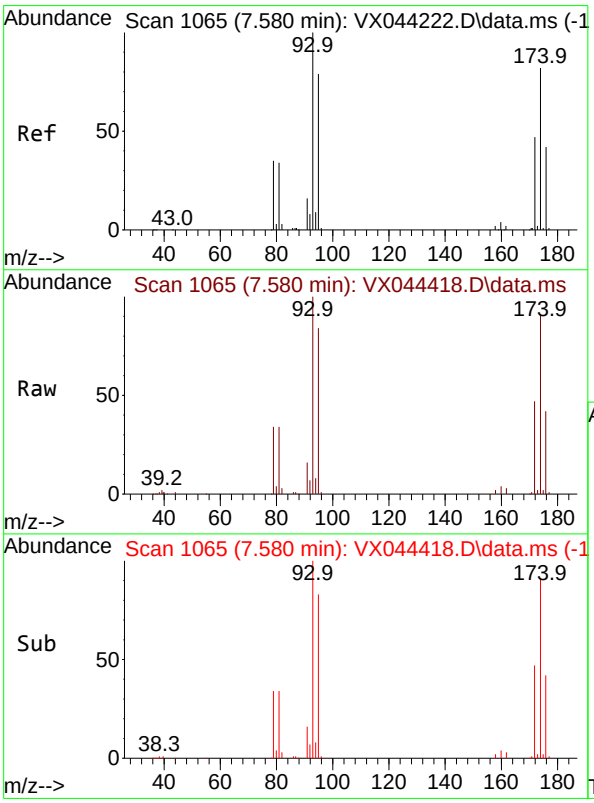

#45
1,2-Dichloropropane
Concen: 51.732 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 63 Resp: 76356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.6 | 24.6 | 37.0 |

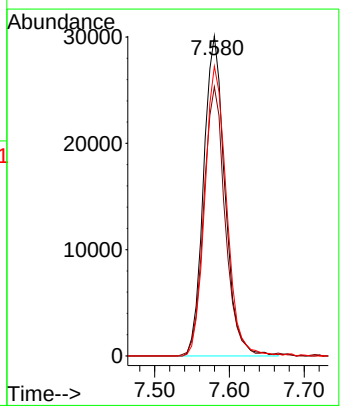


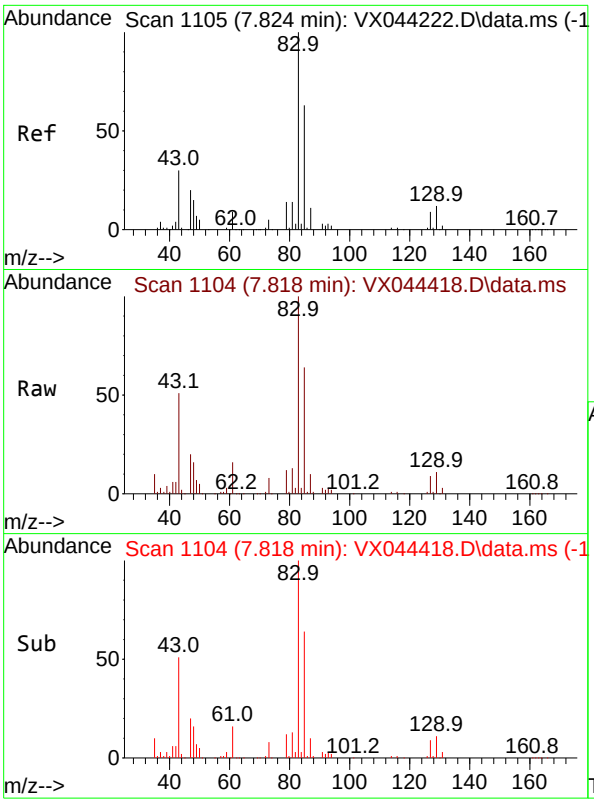




#46
Dibromomethane
Concen: 52.060 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 93 Resp: 59613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.5 | 65.4 | 98.2 |
| 174 | 92.4 | 67.9 | 101.9 |



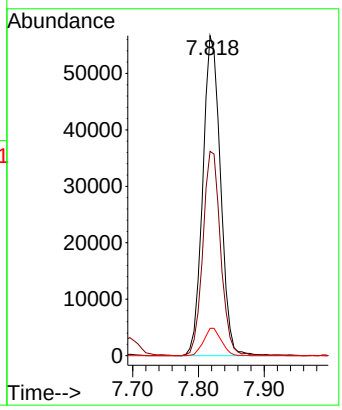


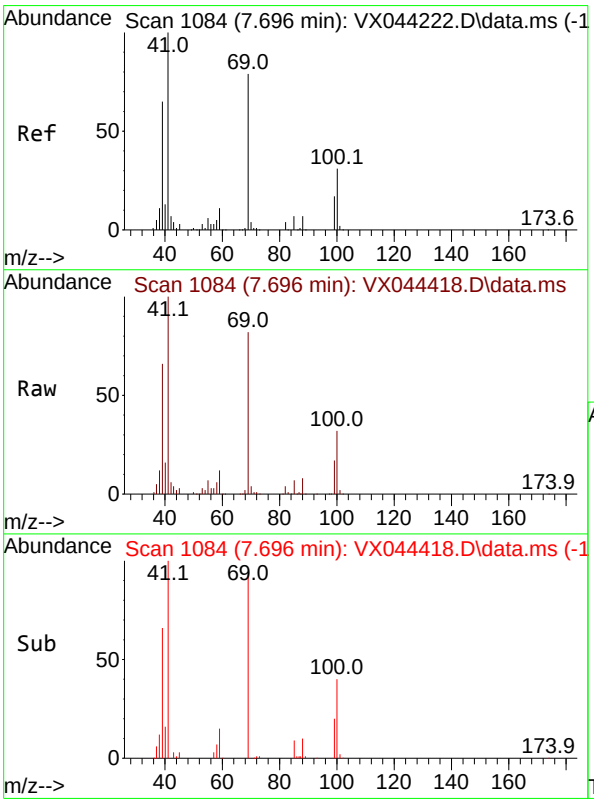

#47
Bromodichloromethane
Concen: 53.860 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 83 Resp: 106514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 50.6 | 75.8 |
| 127 | 8.6 | 7.3 | 10.9 |

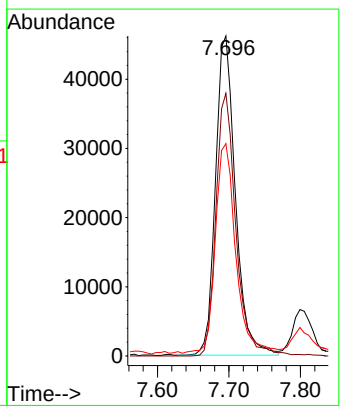


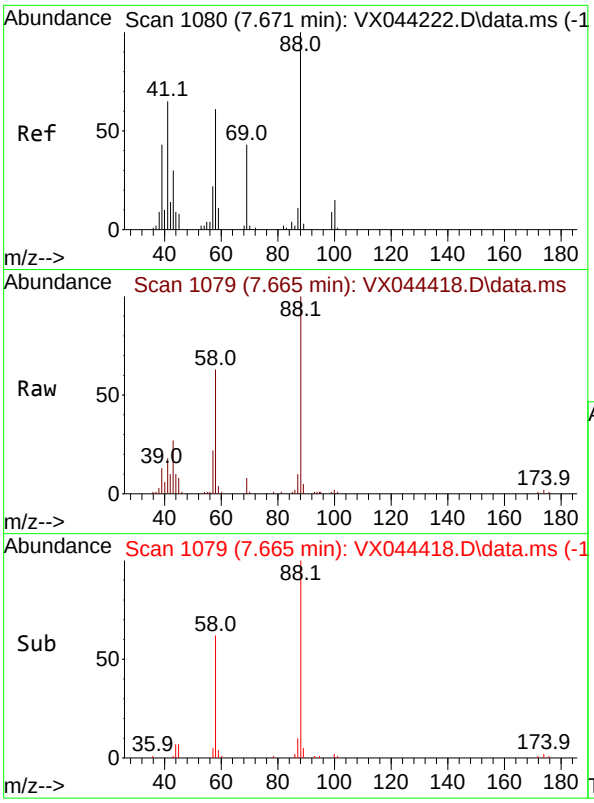




#48
Methyl methacrylate
Concen: 49.967 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 41 Resp: 89170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.9 | 62.4 | 93.6 |
| 39 | 67.2 | 53.3 | 79.9 |



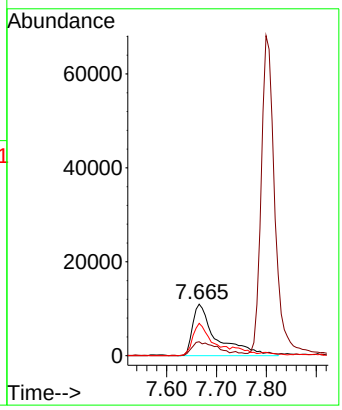


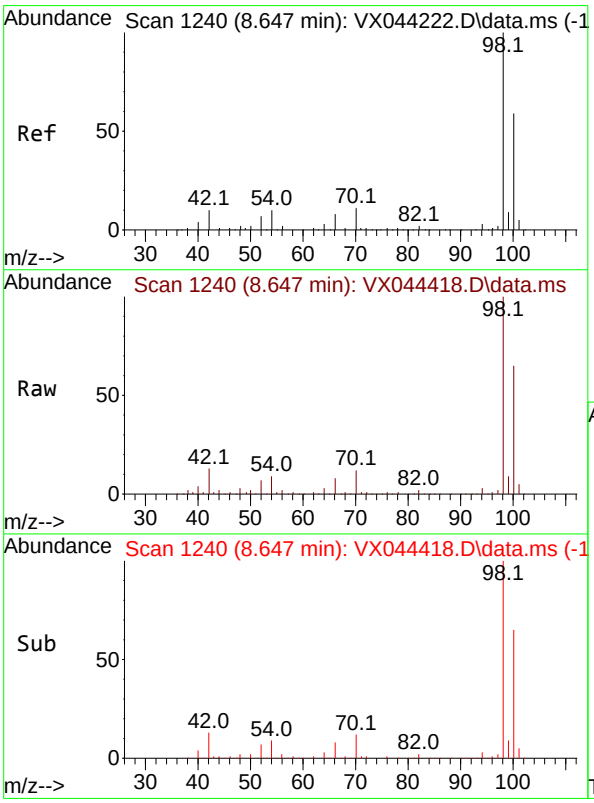

#49
1,4-Dioxane
Concen: 1236.819 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 88 Resp: 36595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 28.3 | 27.1 | 40.7 |
| 58 | 50.2 | 41.0 | 61.4 |

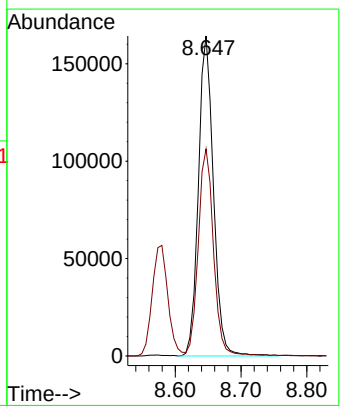


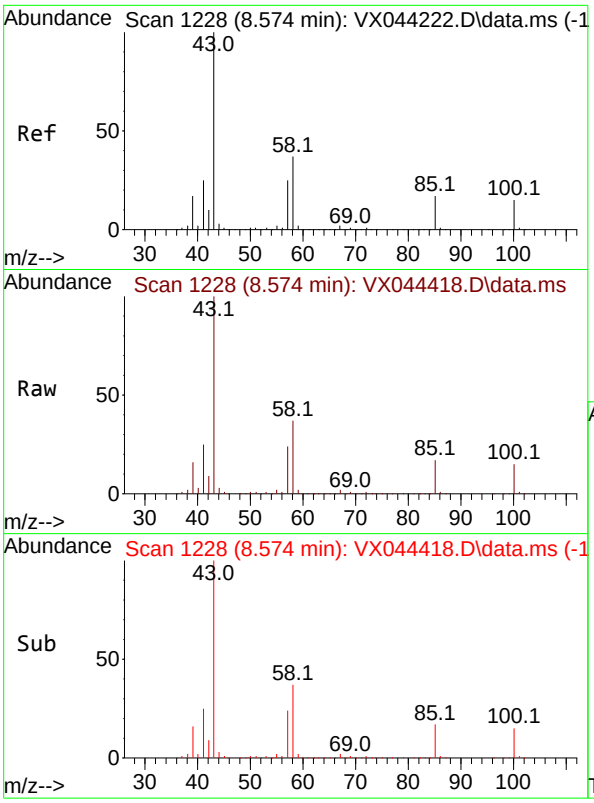




#50
Toluene-d8
Concen: 52.508 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 98 Resp: 260771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 51.5 | 77.3 |



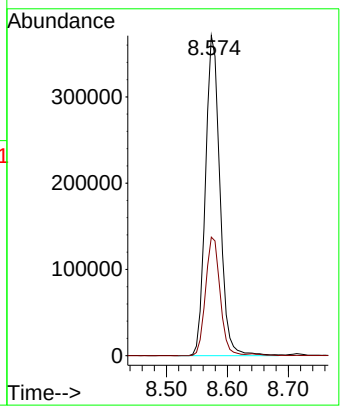


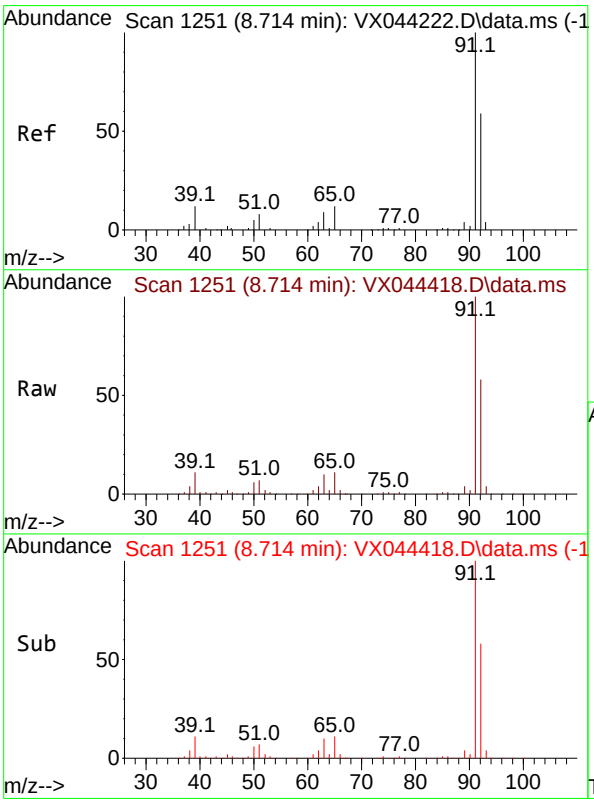

#51
4-Methyl-2-Pentanone
Concen: 259.119 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 43 Resp: 612508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 29.4 | 44.0 |

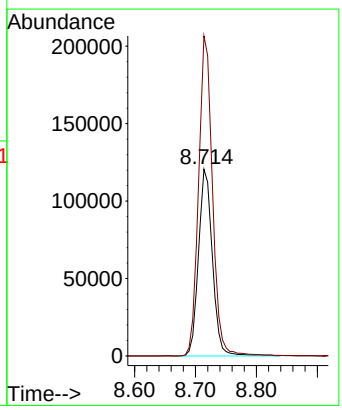


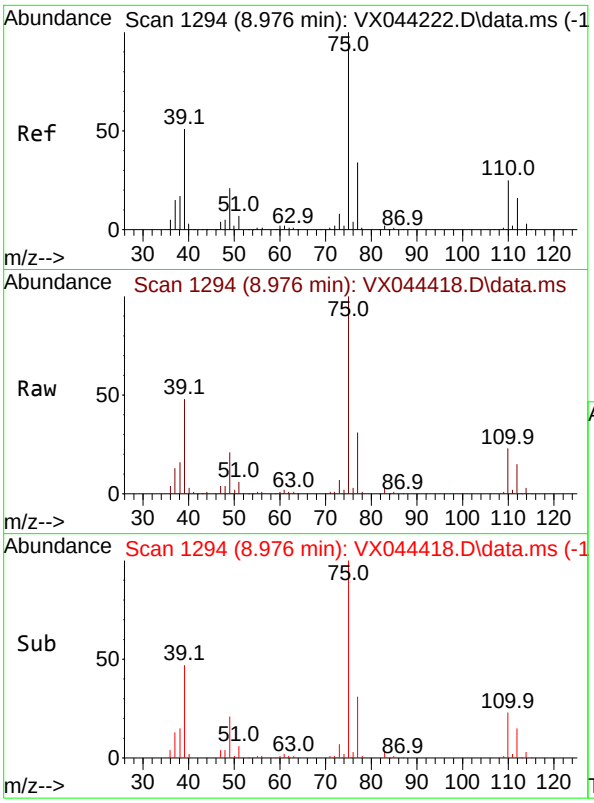




#52
Toluene
Concen: 52.936 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 92 Resp: 192052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 137.0 | 205.6 |



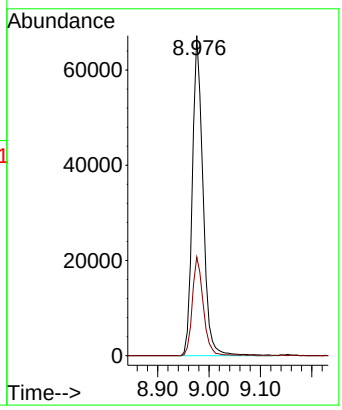


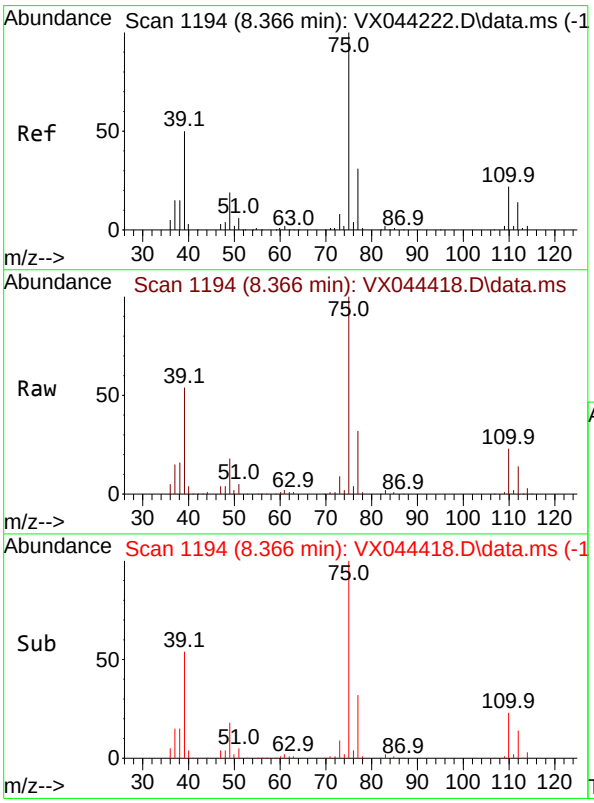

#53
t-1,3-Dichloropropene
Concen: 46.021 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 75 Resp: 97126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 27.2 | 40.8 |

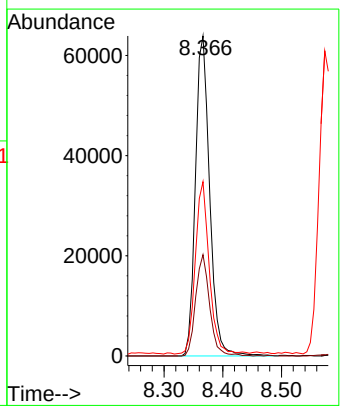


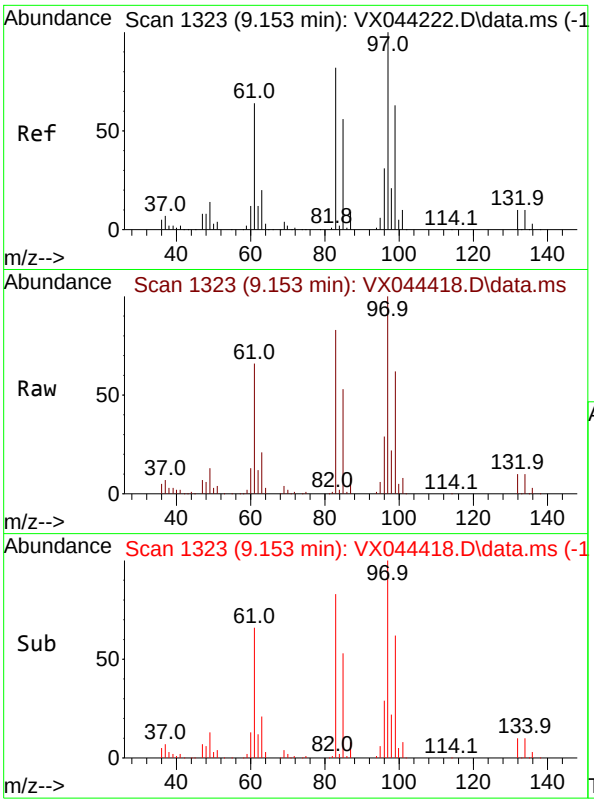




#54
cis-1,3-Dichloropropene
Concen: 49.904 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 75 Resp: 107458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 24.7 | 37.1 |
| 39 | 53.7 | 40.3 | 60.5 |



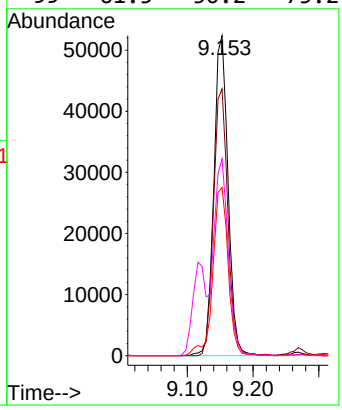


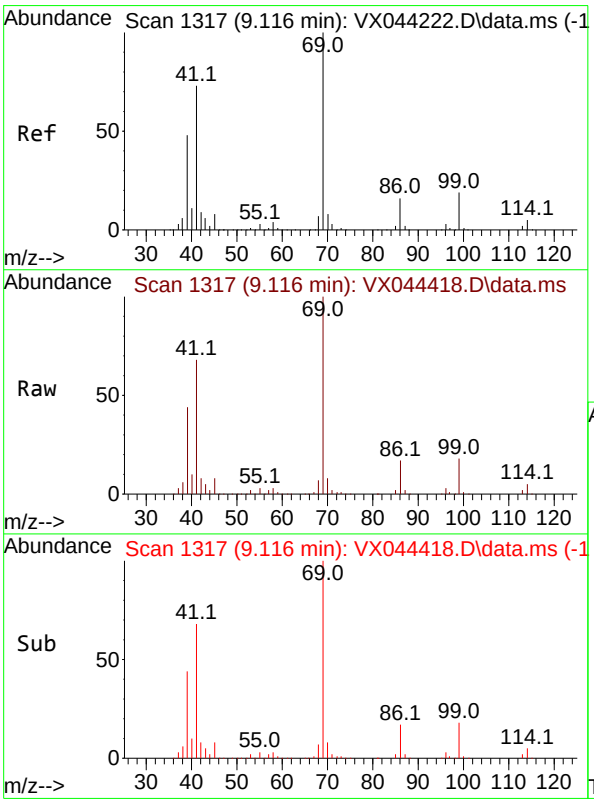

#55
1,1,2-Trichloroethane
Concen: 54.799 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 97 Resp: 78981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.4 | 65.3 | 97.9 |
| 85 | 52.5 | 44.6 | 67.0 |
| 99 | 61.5 | 50.2 | 75.2 |

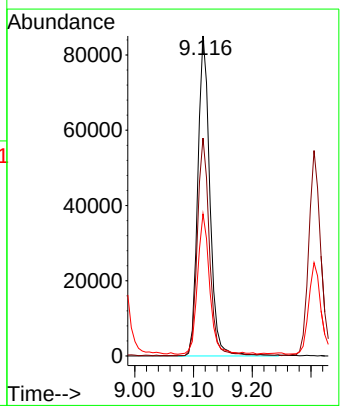


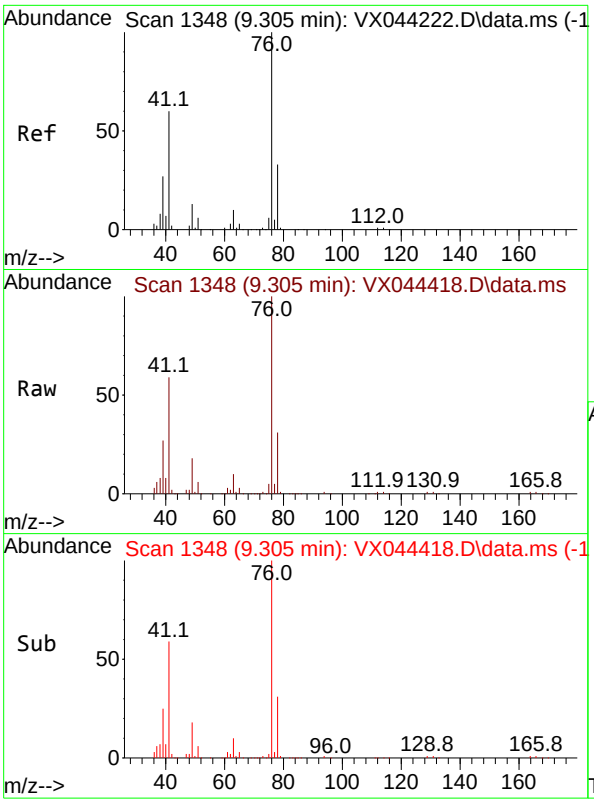




#56
Ethyl methacrylate
Concen: 53.416 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 69 Resp: 121540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 67.6 | 56.6 | 85.0 |
| 39 | 43.7 | 37.4 | 56.0 |



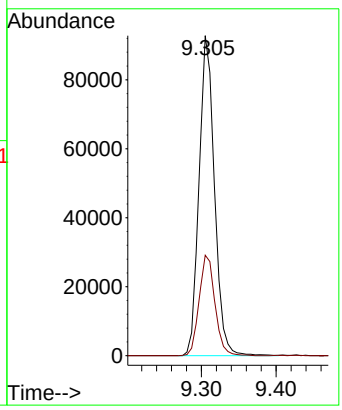


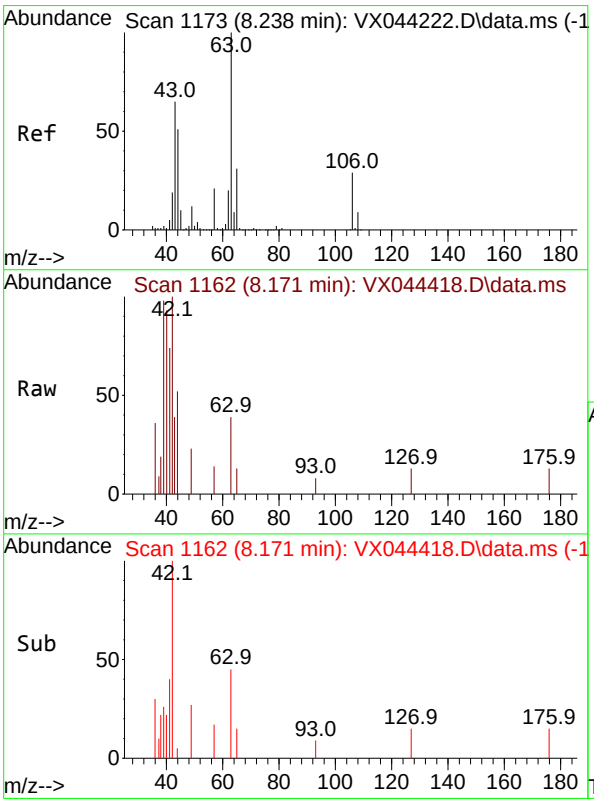

#57
1,3-Dichloropropane
Concen: 52.942 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 76 Resp: 132816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 26.5 | 39.7 |

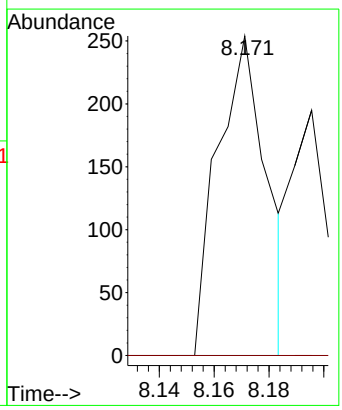


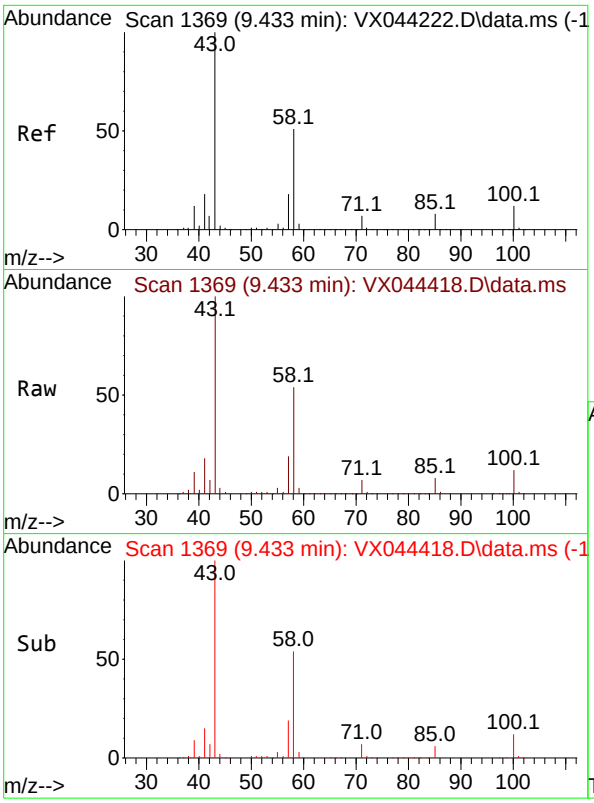




#58
2-Chloroethyl Vinyl ether
Concen: 0.274 ug/l
RT: 8.171 min Scan# 1162
Delta R.T. -0.067 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 63 Resp: 315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 22.8 | 34.2# |



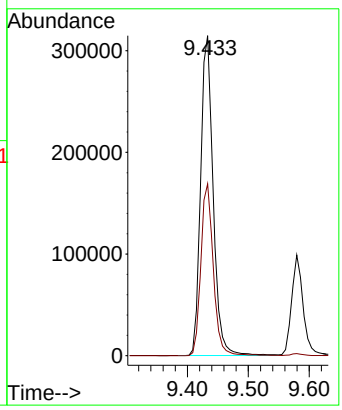


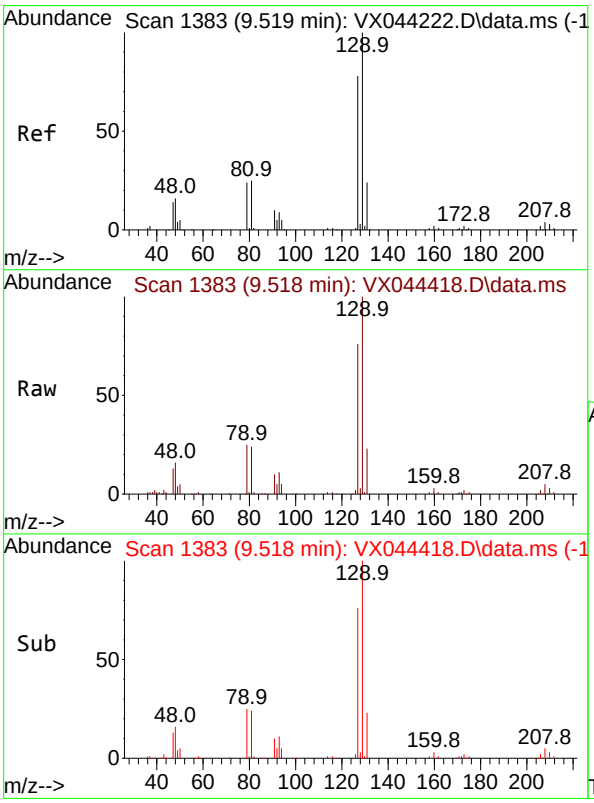

#59
2-Hexanone
Concen: 262.936 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 43 Resp: 449879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 25.7 | 77.0 |

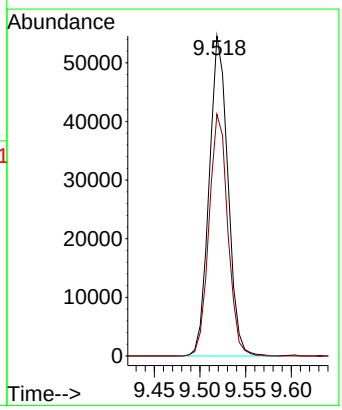


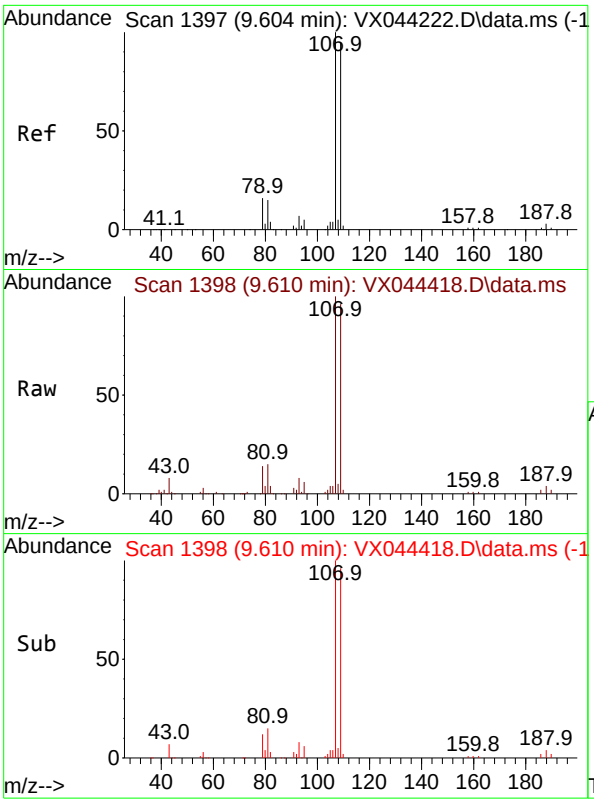




#60
Dibromochloromethane
Concen: 50.885 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:129 Resp: 77763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.6 | 38.5 | 115.3 |



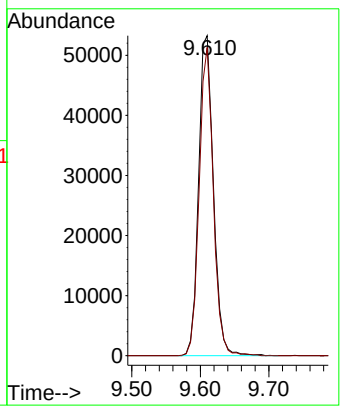


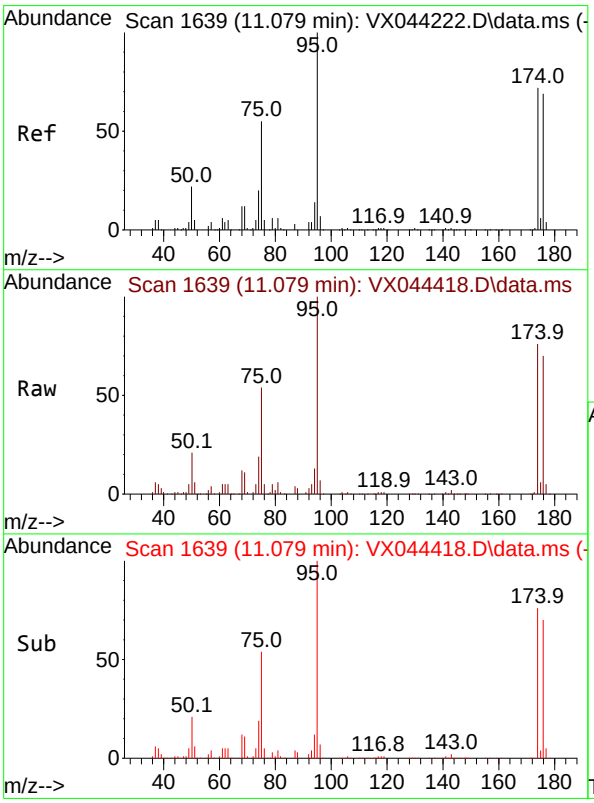

#61
1,2-Dibromoethane
Concen: 54.710 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:107 Resp: 80264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.2 | 77.0 | 115.4 |

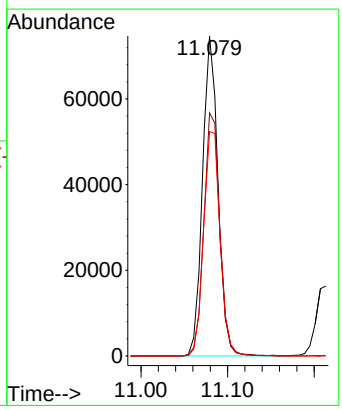


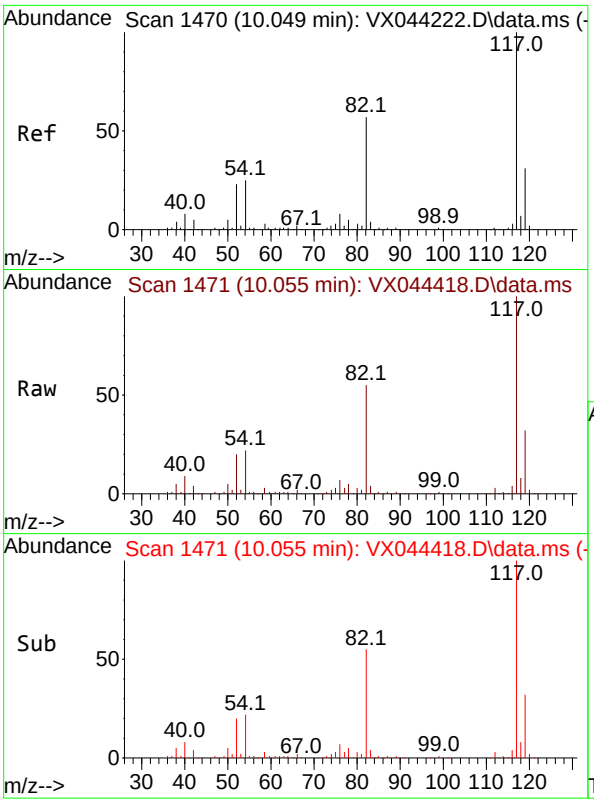




#62
4-Bromofluorobenzene
Concen: 53.347 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 95 Resp: 92575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.4 | 0.0 | 145.8 |
| 176 | 75.2 | 0.0 | 137.8 |



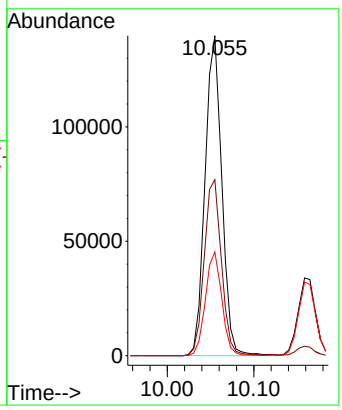


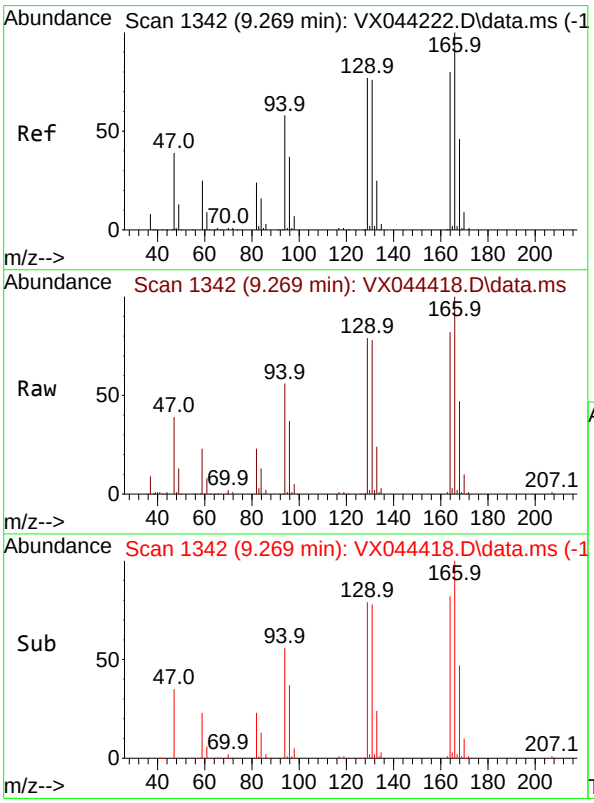

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:117 Resp: 188325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 45.8 | 68.8 |
| 119 | 32.4 | 25.0 | 37.4 |

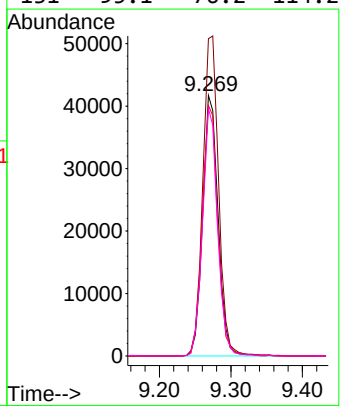


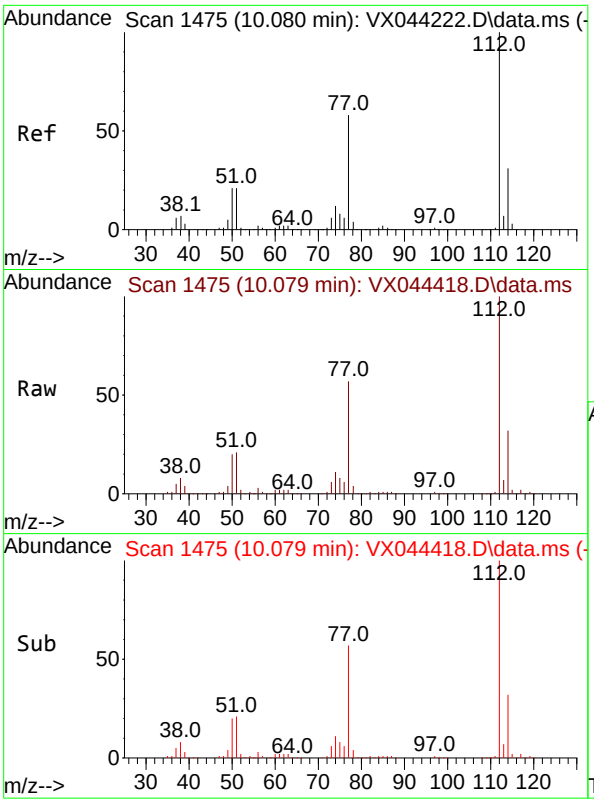




#64
Tetrachloroethene
Concen: 49.825 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:164 Resp: 62279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 121.8 | 100.4 | 150.6 |
| 129 | 96.2 | 77.2 | 115.8 |
| 131 | 95.1 | 76.2 | 114.2 |



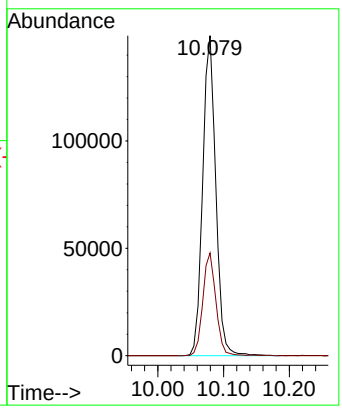


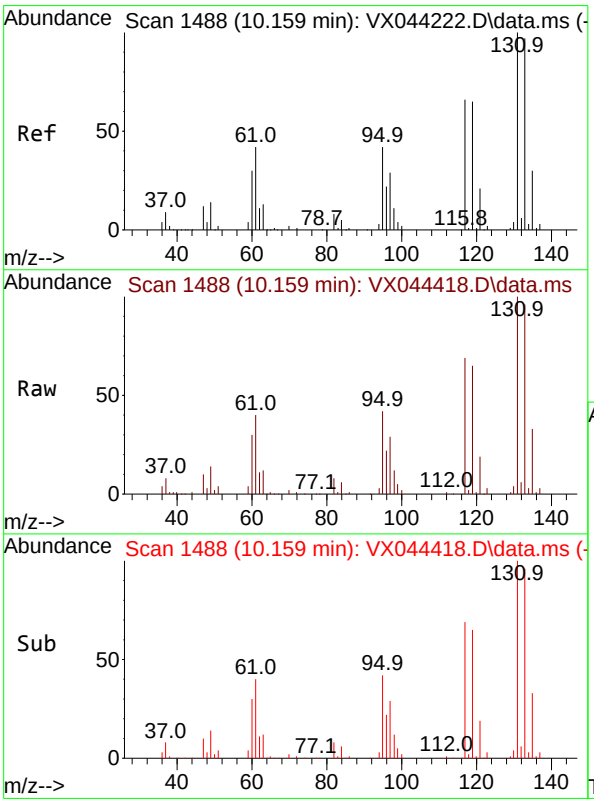

#65
Chlorobenzene
Concen: 51.150 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:112 Resp: 206411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.0 | 37.6 |

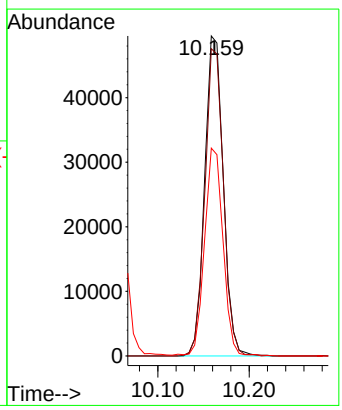


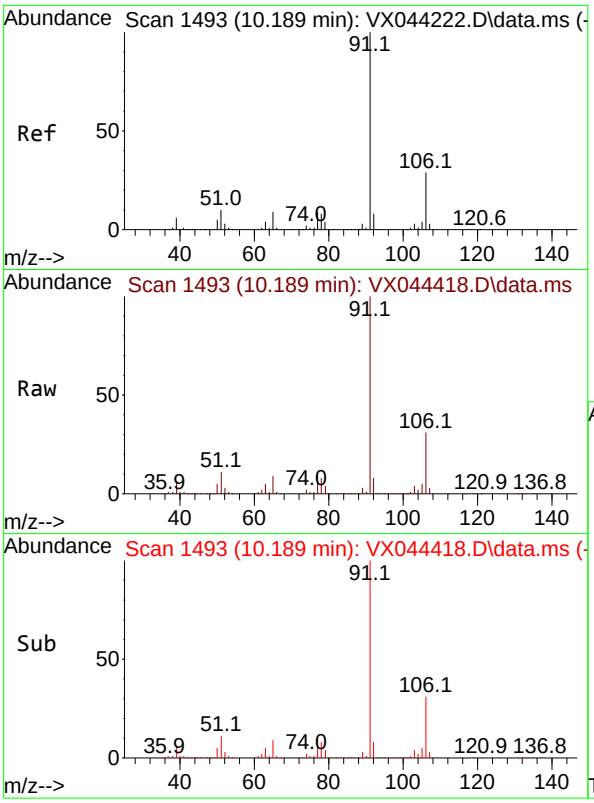




#66
1,1,1,2-Tetrachloroethane
Concen: 53.786 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:131 Resp: 69756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.3 | 141.8 |
| 119 | 64.7 | 31.6 | 95.0 |



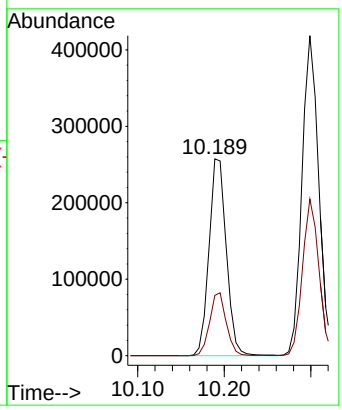


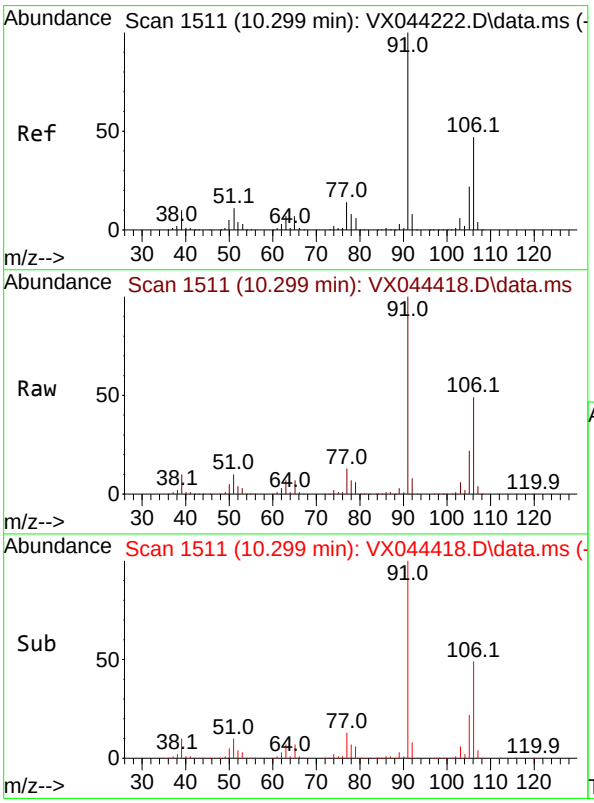

#67
Ethyl Benzene
Concen: 51.351 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 91 Resp: 358045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.5 | 35.3 |

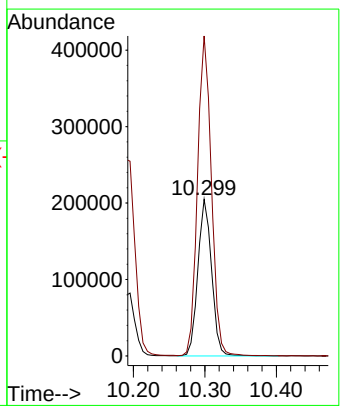


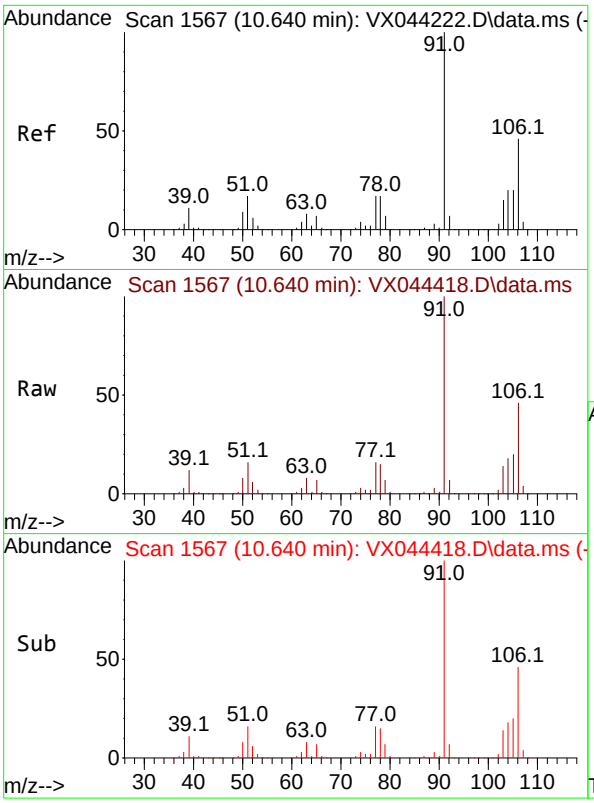




#68
m/p-Xylenes
Concen: 106.570 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:106 Resp: 272658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.6 | 170.2 | 255.2 |



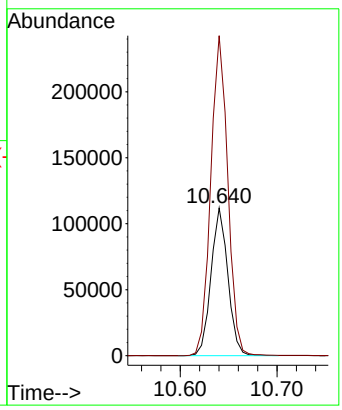


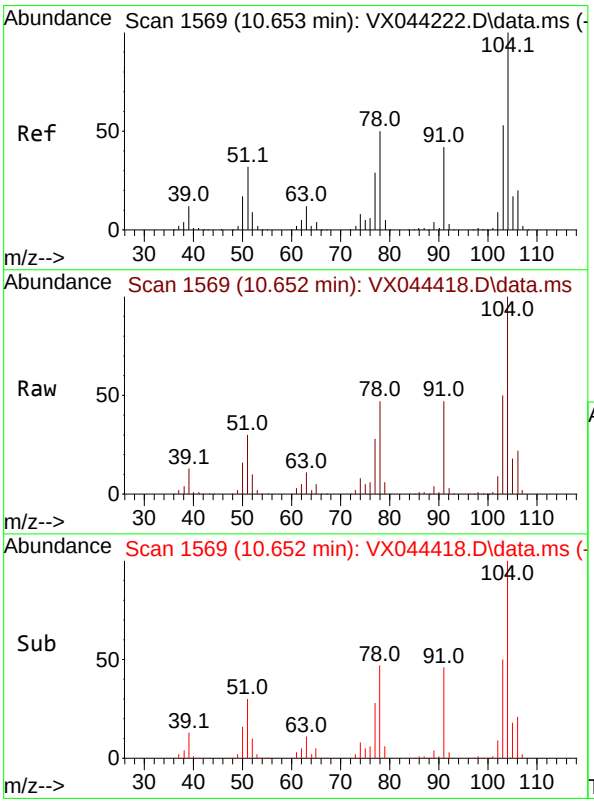

#69
o-Xylene
Concen: 52.382 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:106 Resp: 135601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.0 | 112.3 | 337.0 |

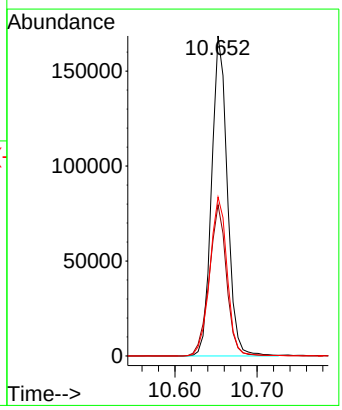


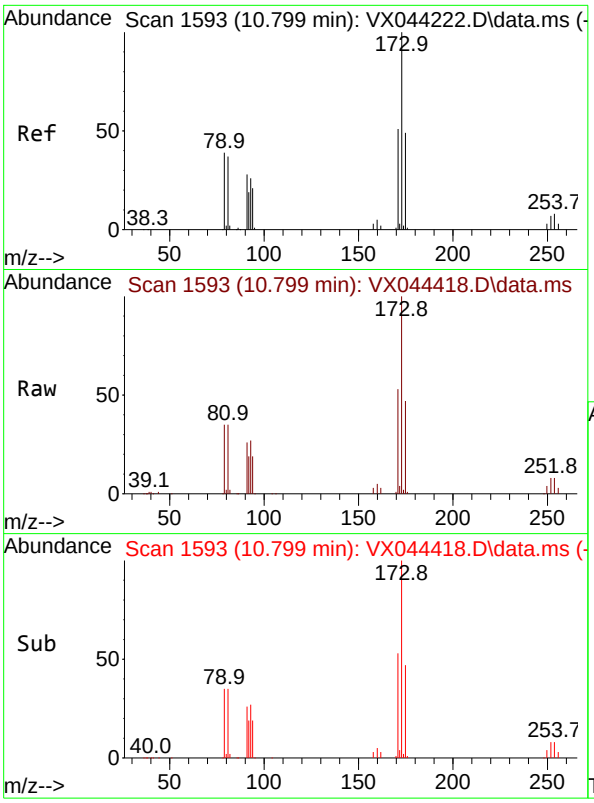




#70
Styrene
Concen: 53.973 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:104 Resp: 223981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 44.6 | 67.0 |
| 103 | 54.9 | 45.4 | 68.0 |



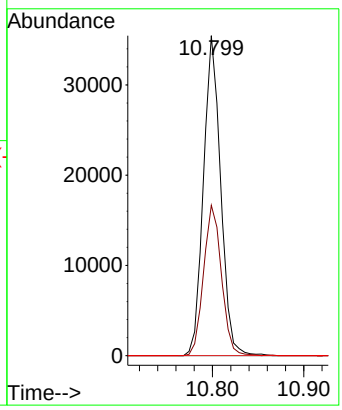


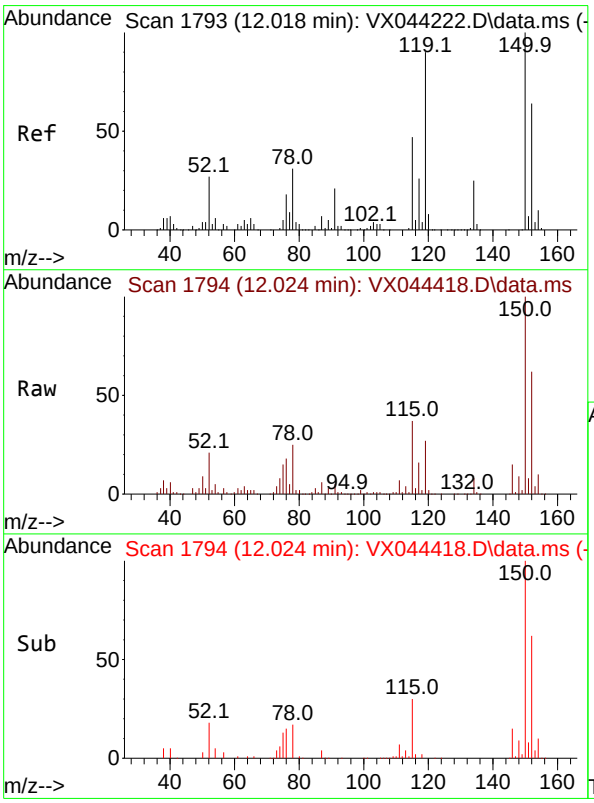

#71
Bromoform
Concen: 50.932 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:173 Resp: 46268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

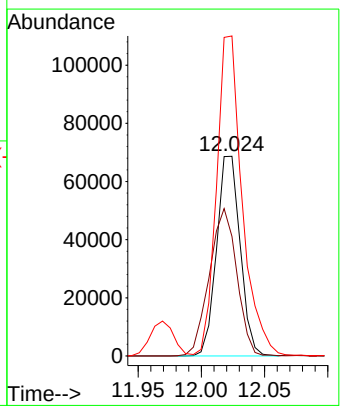


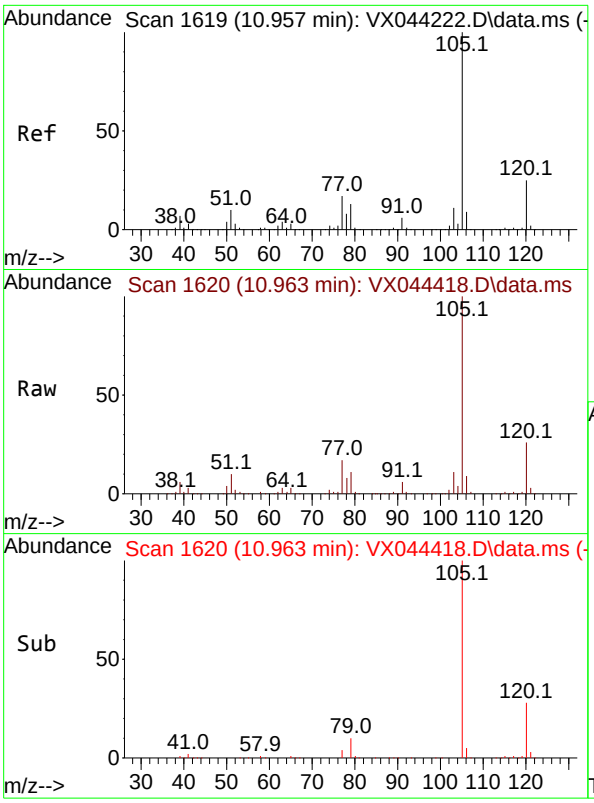




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:152 Resp: 88743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.2 | 44.5 | 133.3 |
| 150 | 174.6 | 0.0 | 353.8 |



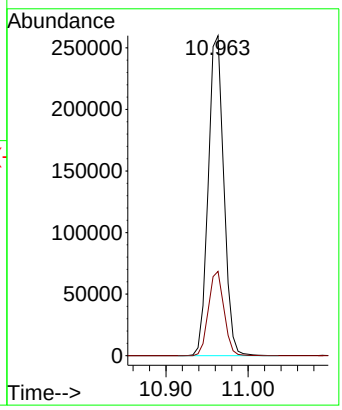


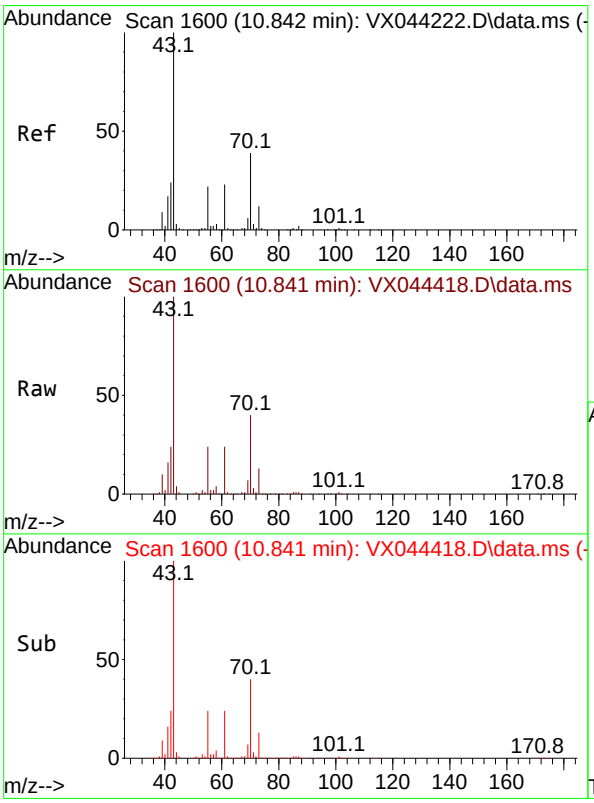

#73
Isopropylbenzene
Concen: 50.304 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:105 Resp: 341745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.1 | 39.3 |

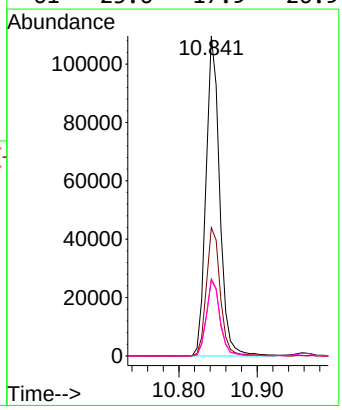


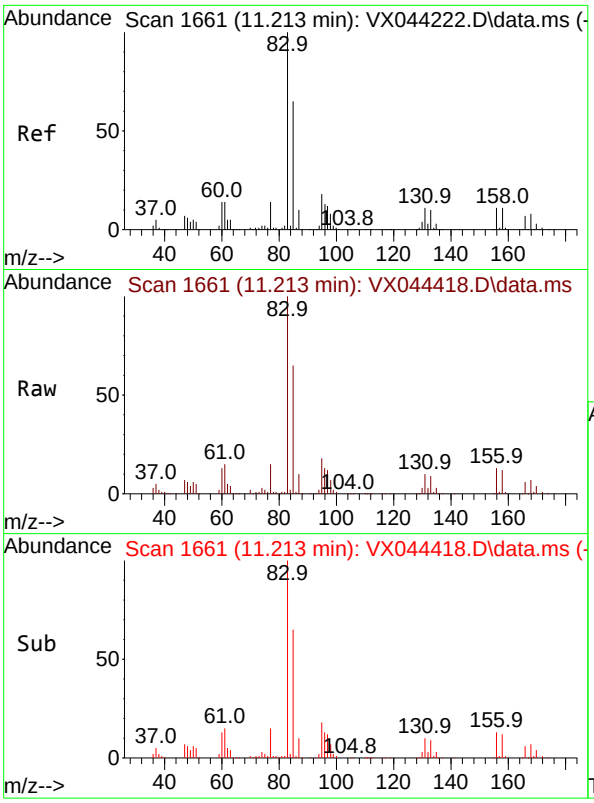




#74
N-amyl acetate
Concen: 42.337 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 43 Resp: 132925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.7 | 31.9 | 47.9 |
| 55 | 24.0 | 17.9 | 26.9 |
| 61 | 23.6 | 17.9 | 26.9 |



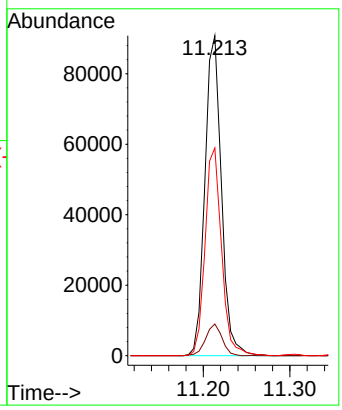


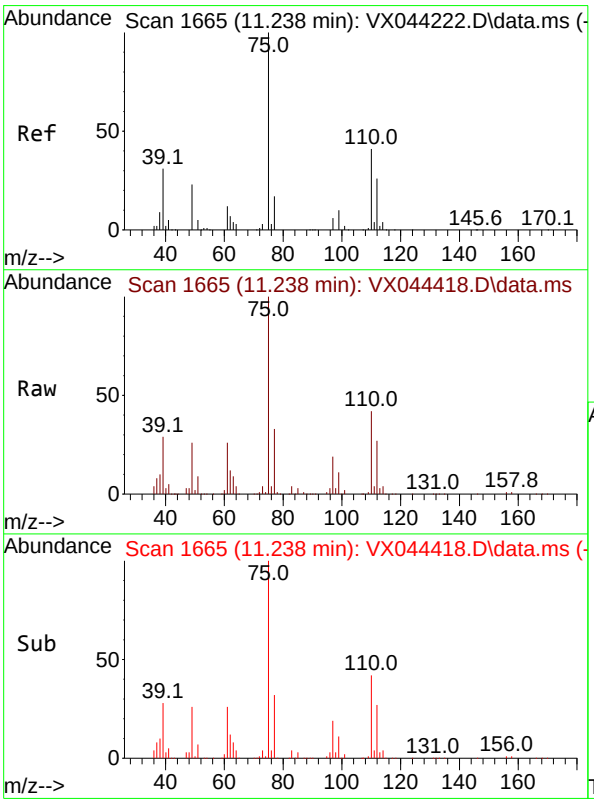

#75
1,1,2,2-Tetrachloroethane
Concen: 50.882 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 83 Resp: 120063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 64.9 | 32.5 | 97.4 |

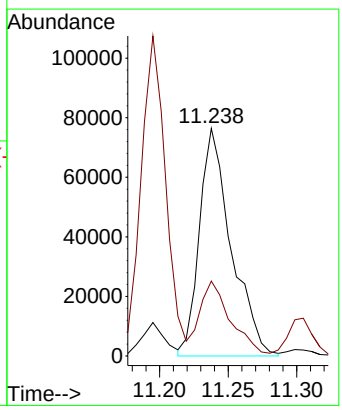


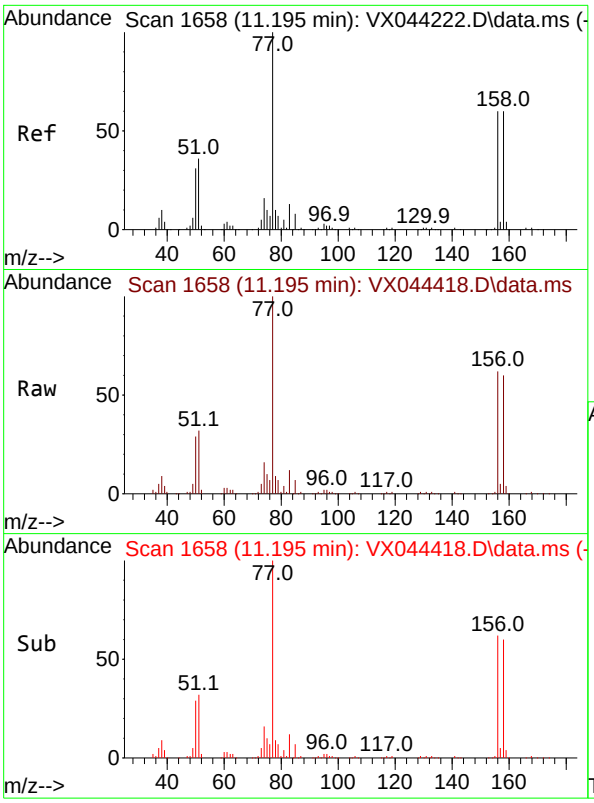




#76
1,2,3-Trichloropropane
Concen: 62.258 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 75 Resp: 123359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 20.9 | 62.7 |



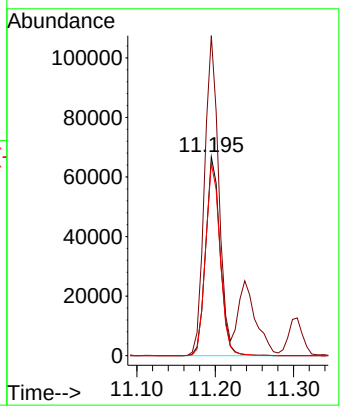


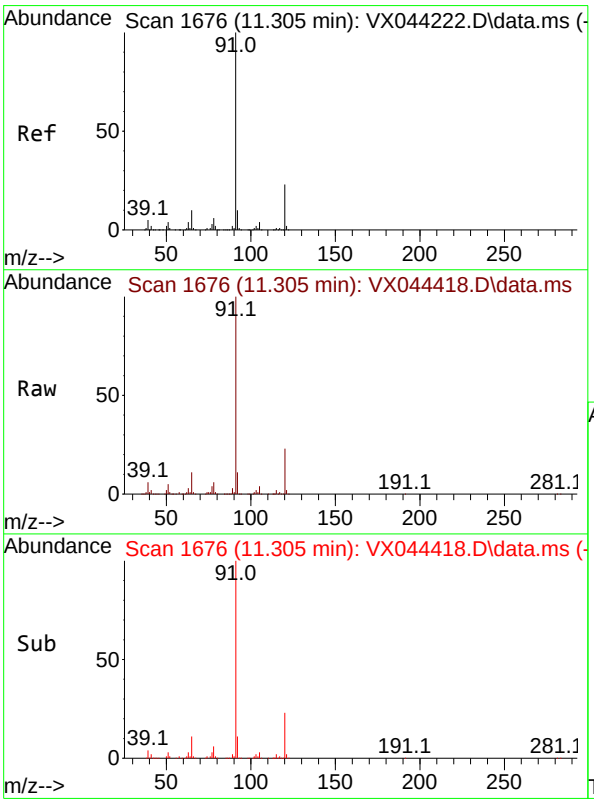

#77
Bromobenzene
Concen: 51.708 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:156 Resp: 85185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 158.4 | 82.6 | 247.8 |
| 158 | 97.1 | 48.8 | 146.4 |

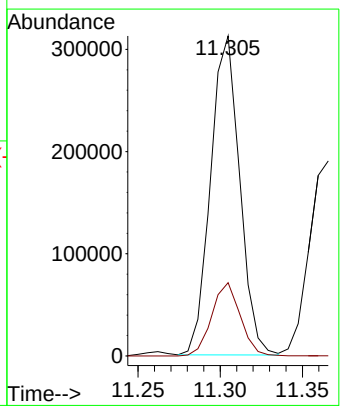


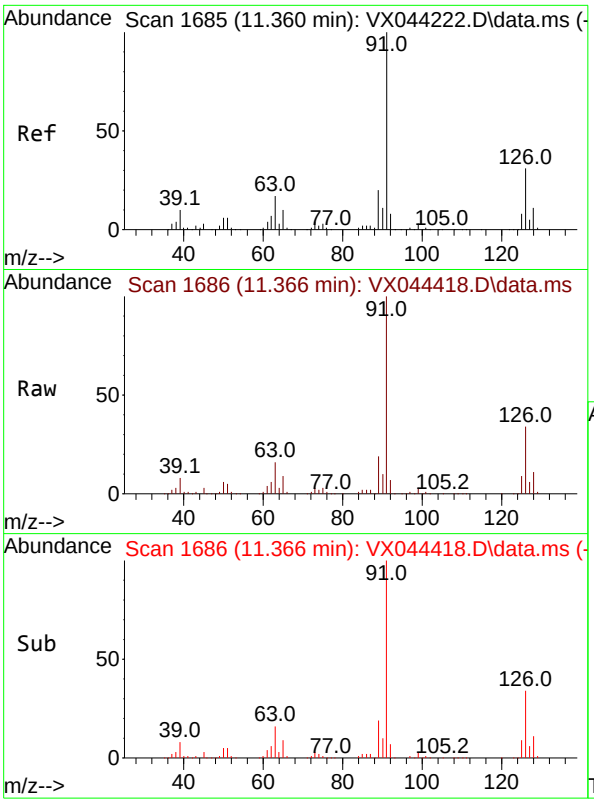




#78
n-propylbenzene
Concen: 51.244 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 91 Resp: 384780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.0 | 33.0 |



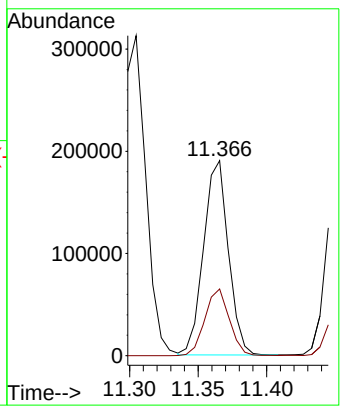


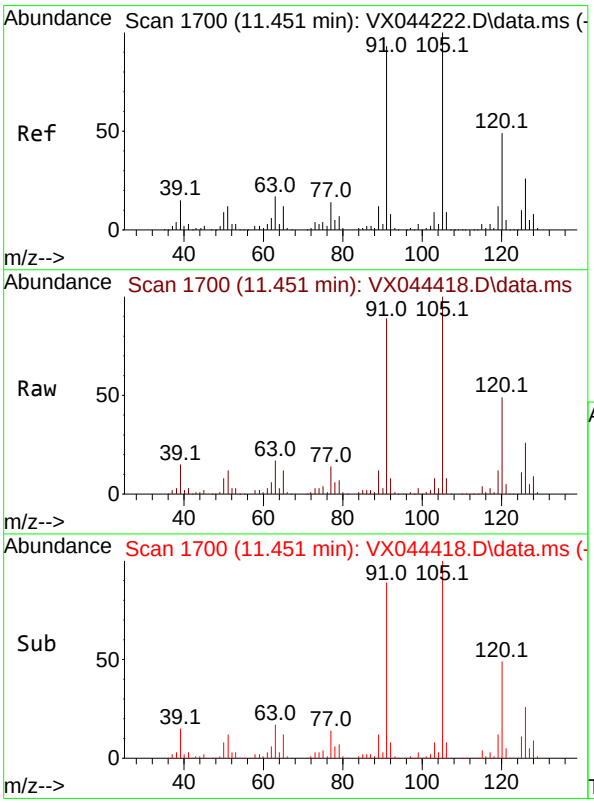

#79
2-Chlorotoluene
Concen: 49.475 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 91 Resp: 240255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 16.4 | 49.1 |

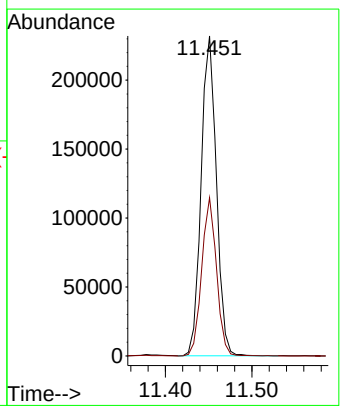


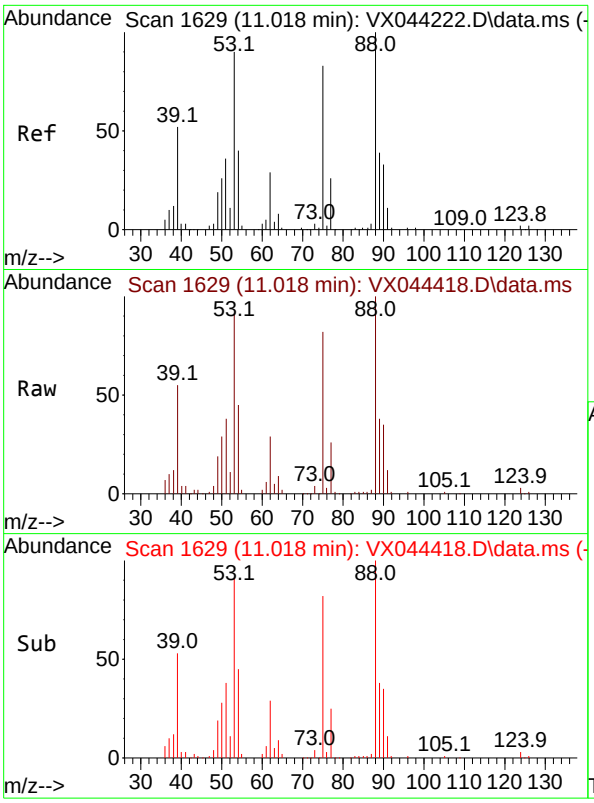




#80
1,3,5-Trimethylbenzene
Concen: 50.261 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:105 Resp: 283162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 23.8 | 71.4 |



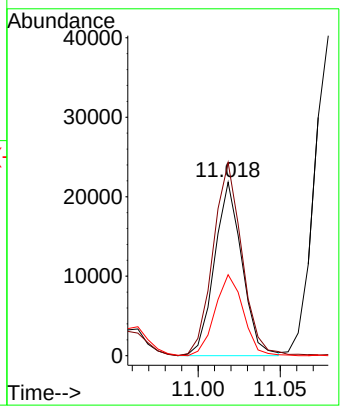


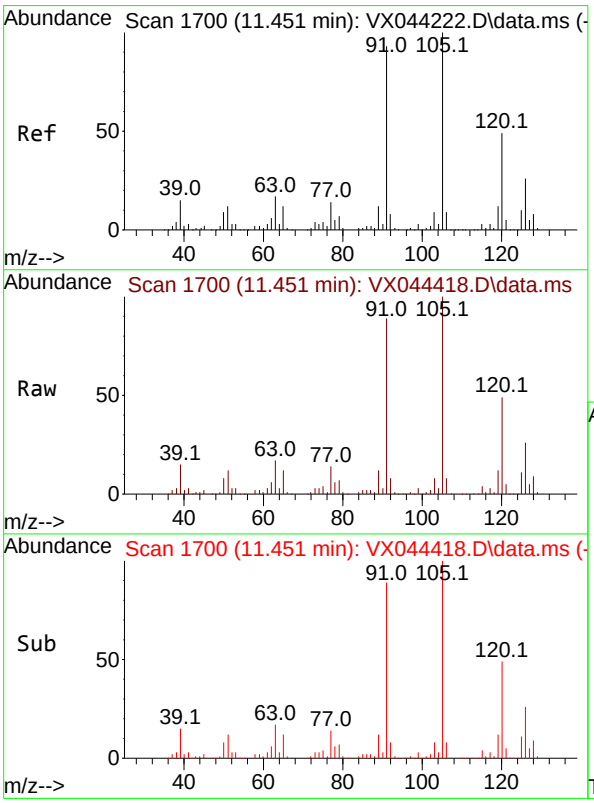

#81
trans-1,4-Dichloro-2-butene
Concen: 38.247 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 75 Resp: 25426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 117.4 | 93.6 | 140.4 |
| 89 | 47.7 | 37.3 | 55.9 |

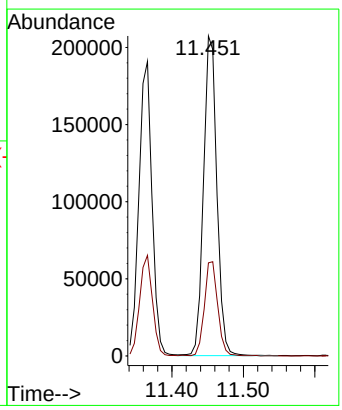


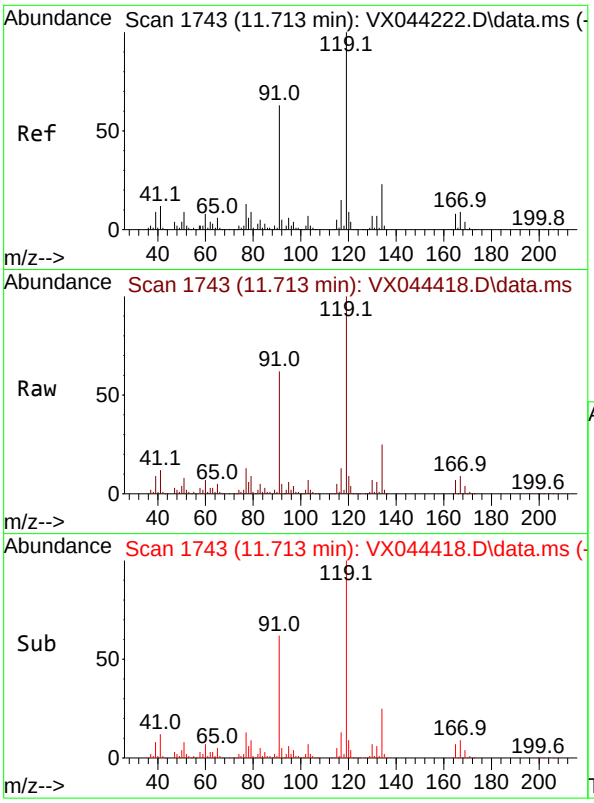




#82
4-Chlorotoluene
Concen: 50.004 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 91 Resp: 268894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.5 | 43.5 |



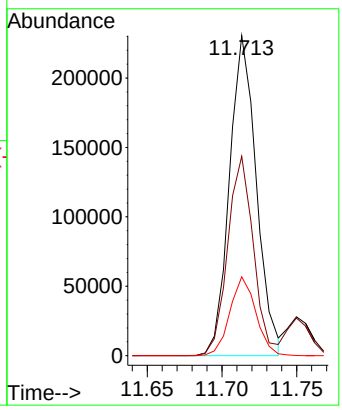


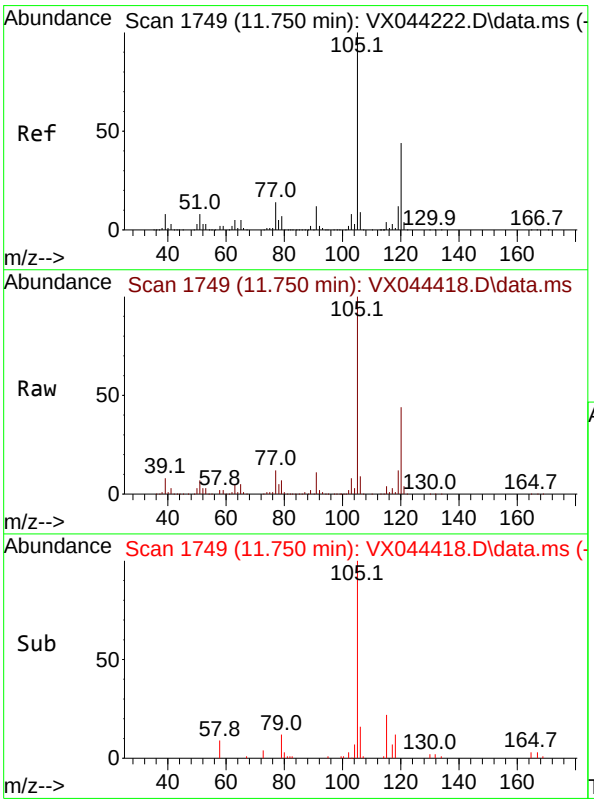

#83
tert-Butylbenzene
Concen: 51.857 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:119 Resp: 288730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.7 | 30.9 | 92.5 |
| 134 | 23.8 | 11.5 | 34.4 |

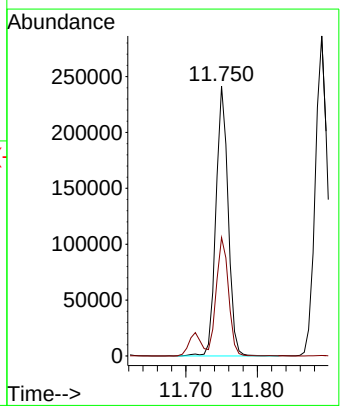


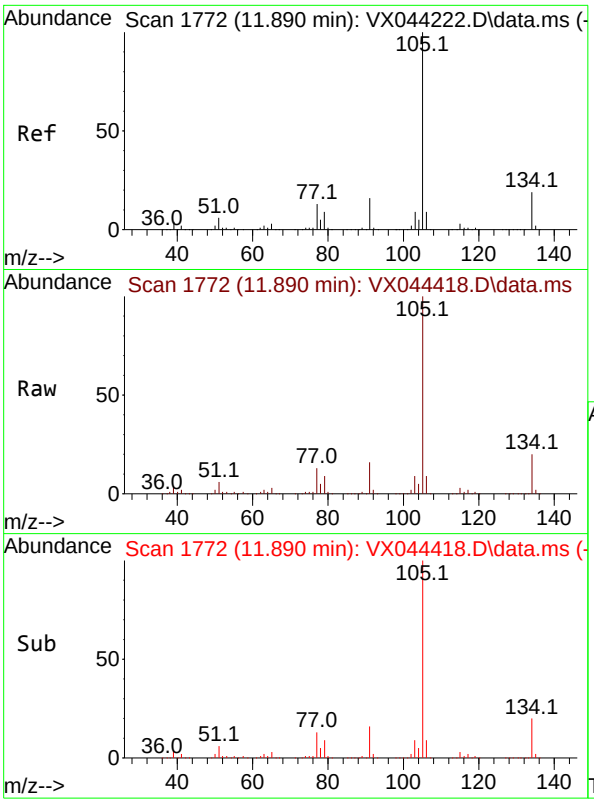




#84
1,2,4-Trimethylbenzene
Concen: 51.580 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:105 Resp: 285385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 21.7 | 65.1 |



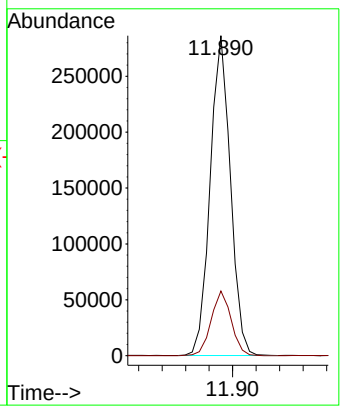


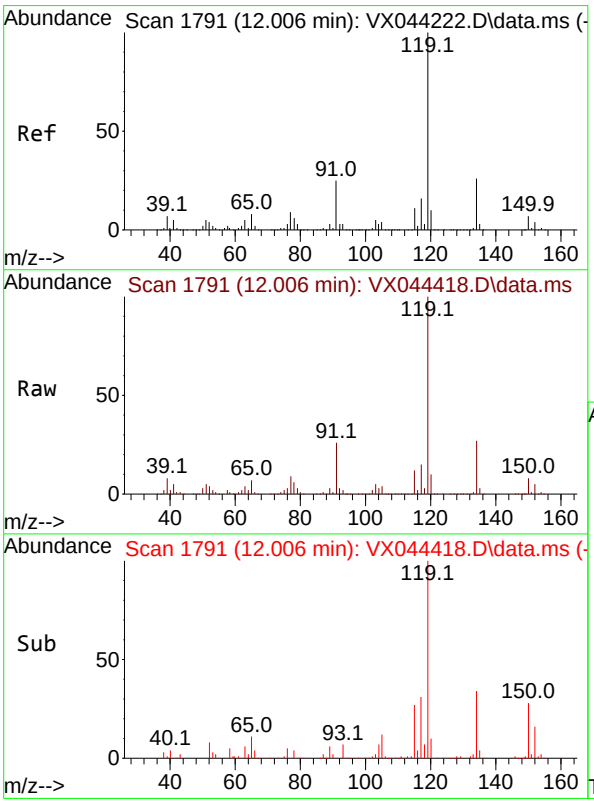

#85
sec-Butylbenzene
Concen: 50.713 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:105 Resp: 342783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.8 | 29.4 |

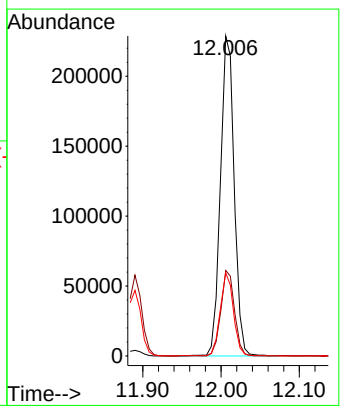


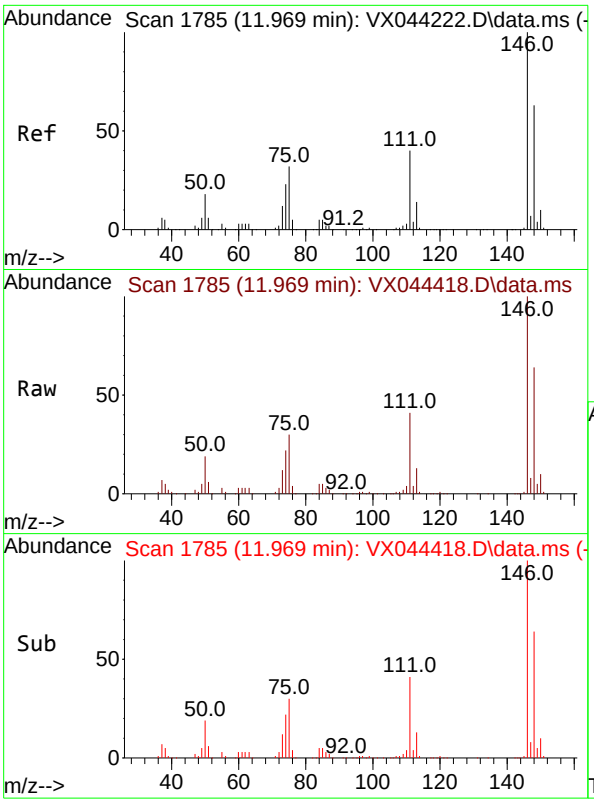




#86
p-Isopropyltoluene
Concen: 49.959 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:119 Resp: 281058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.5 | 12.8 | 38.4 |
| 91 | 24.9 | 13.0 | 39.0 |



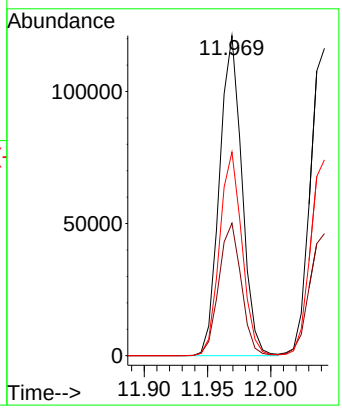


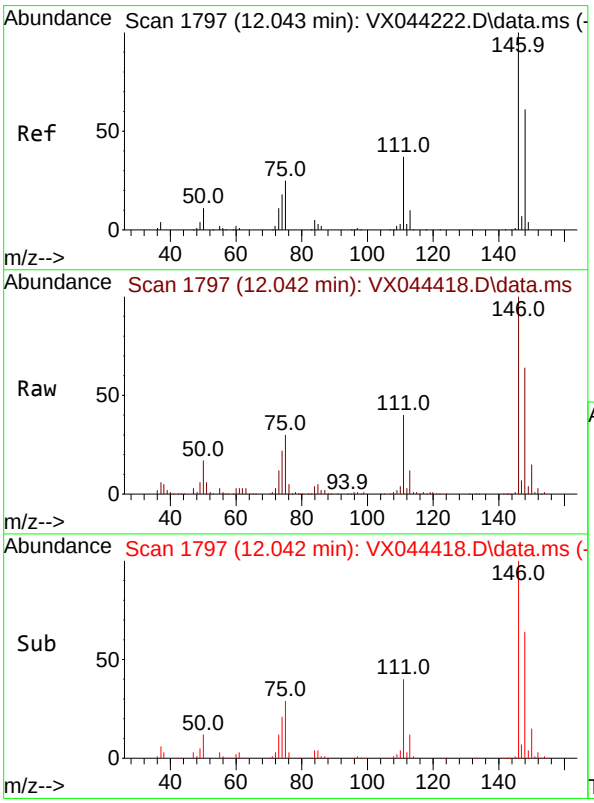

#87
1,3-Dichlorobenzene
Concen: 51.859 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:146 Resp: 149233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.4 | 64.2 |
| 148 | 63.5 | 31.7 | 95.1 |

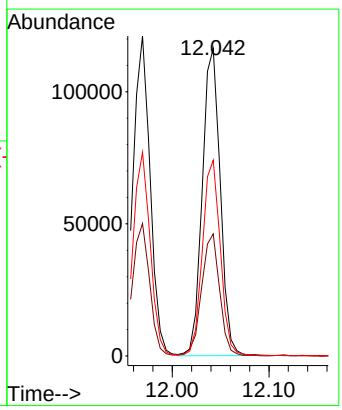


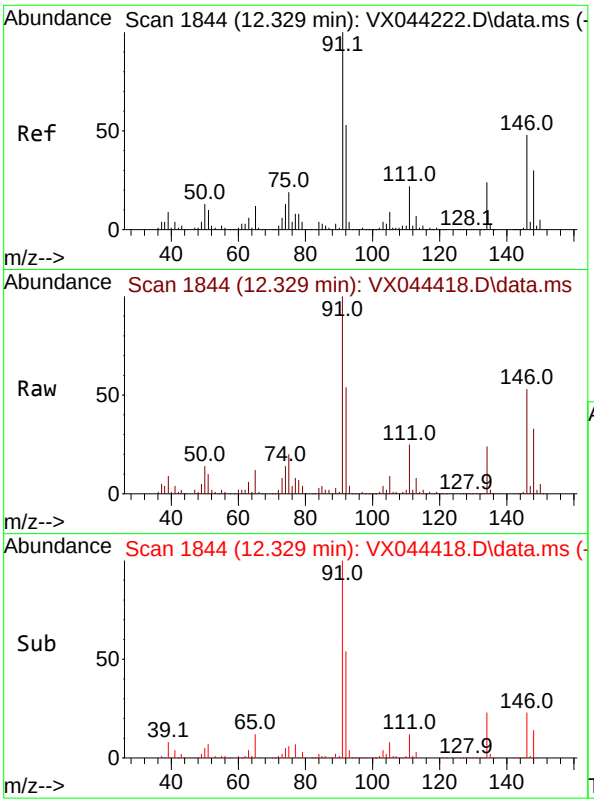




#88
1,4-Dichlorobenzene
Concen: 50.855 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:146 Resp: 150438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 21.0 | 63.0 |
| 148 | 63.4 | 32.3 | 96.8 |



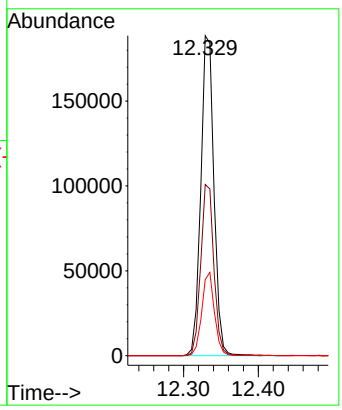


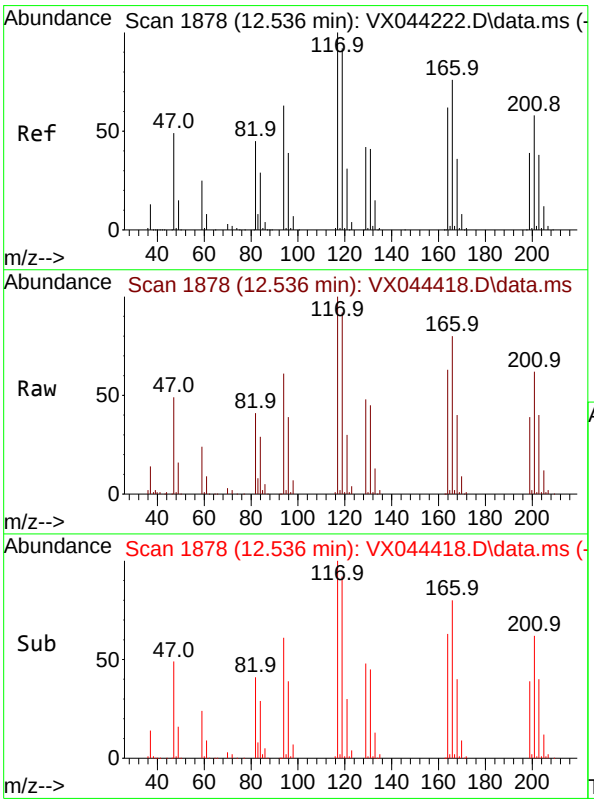

#89
n-Butylbenzene
Concen: 48.745 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion: 91 Resp: 230593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.6 | 79.7 |
| 134 | 25.1 | 12.6 | 37.8 |

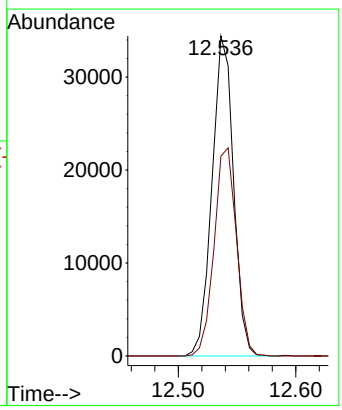


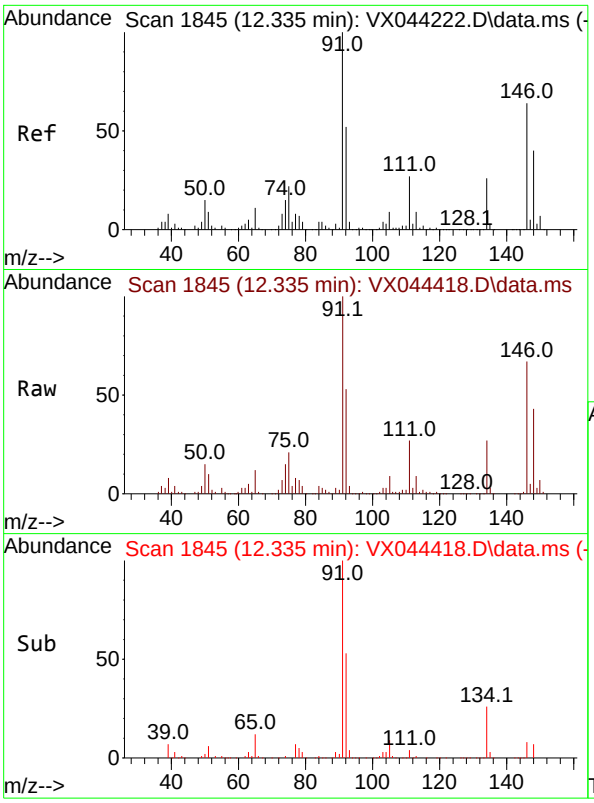




#90
Hexachloroethane
Concen: 53.222 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:117 Resp: 43707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.8 | 31.4 | 94.2 |



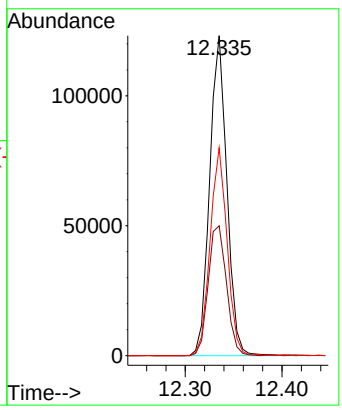


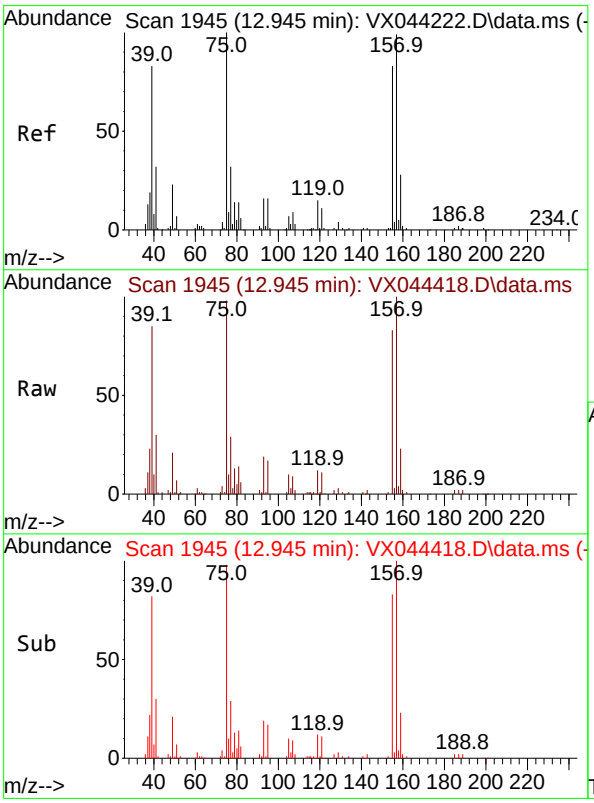

#91
1,2-Dichlorobenzene
Concen: 50.827 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:146 Resp: 151871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.4 | 64.3 |
| 148 | 64.5 | 31.6 | 95.0 |

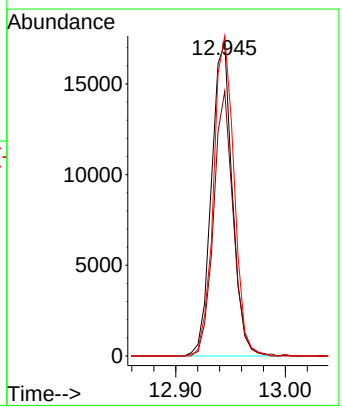


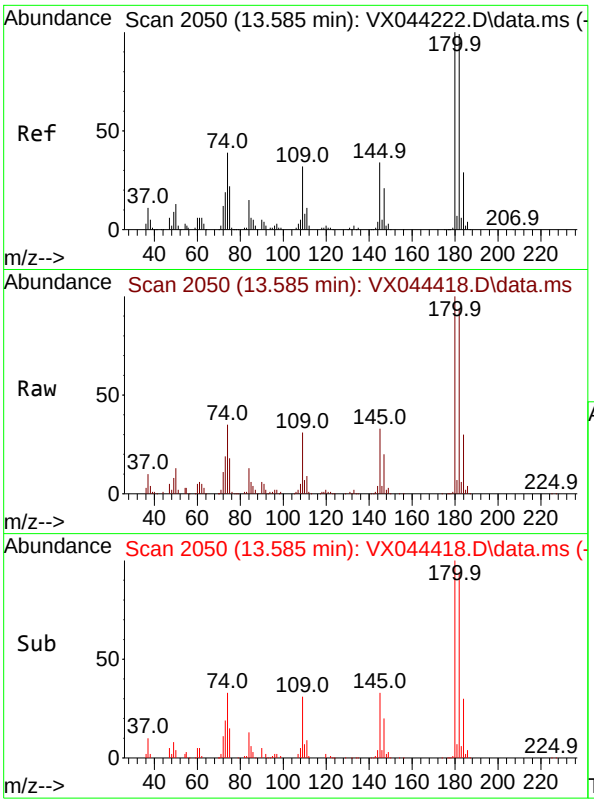




#92
1,2-Dibromo-3-Chloropropane
Concen: 49.742 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion: 75 Resp: 22785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.9 | 38.1 | 114.3 |
| 157 | 100.6 | 47.2 | 141.6 |



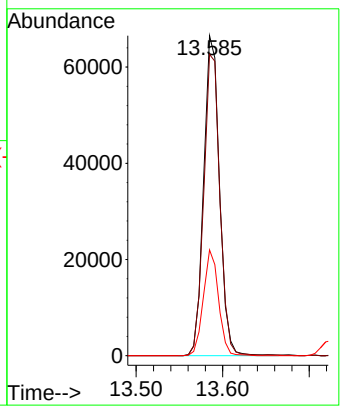


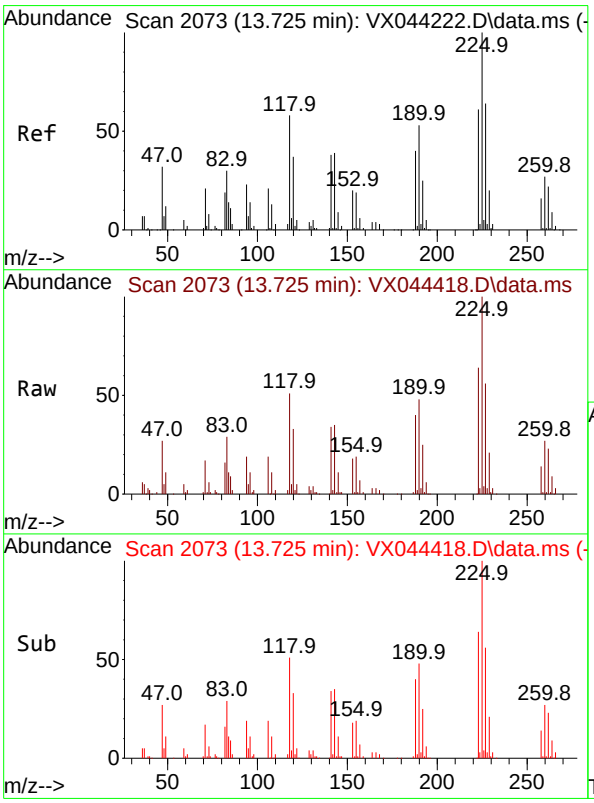

#93
1,2,4-Trichlorobenzene
Concen: 51.552 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:180 Resp: 84448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 48.0 | 144.2 |
| 145 | 31.8 | 16.6 | 49.7 |

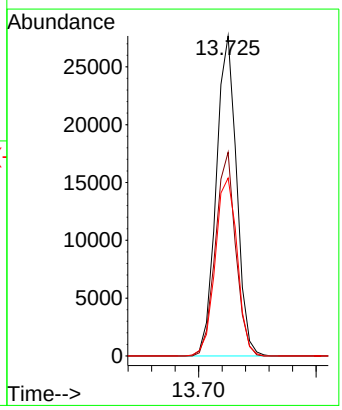


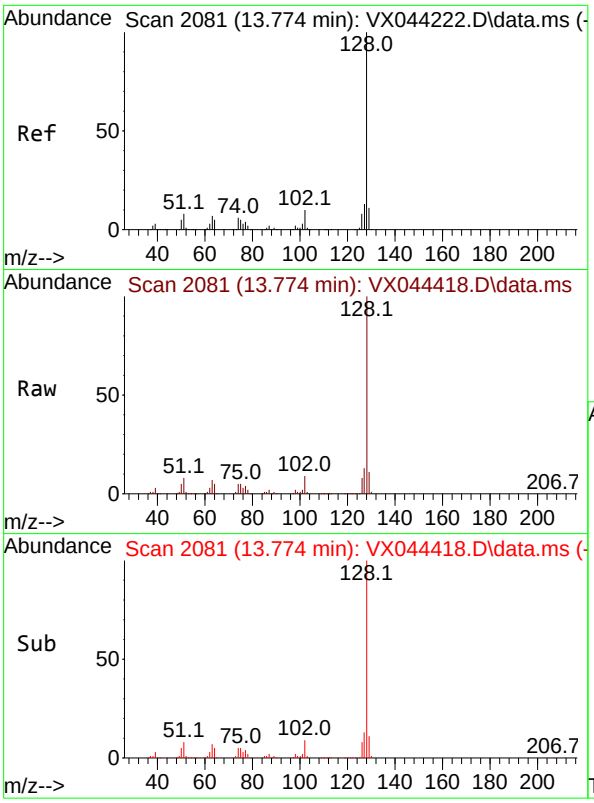




#94
Hexachlorobutadiene
Concen: 50.632 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:225 Resp: 33362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 30.8 | 92.4 |
| 227 | 59.9 | 32.1 | 96.3 |



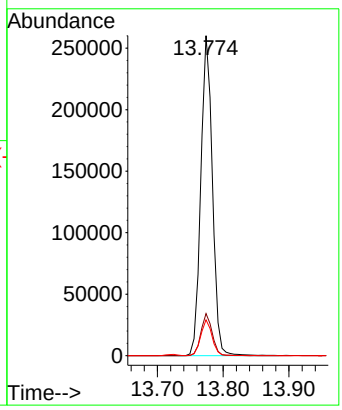


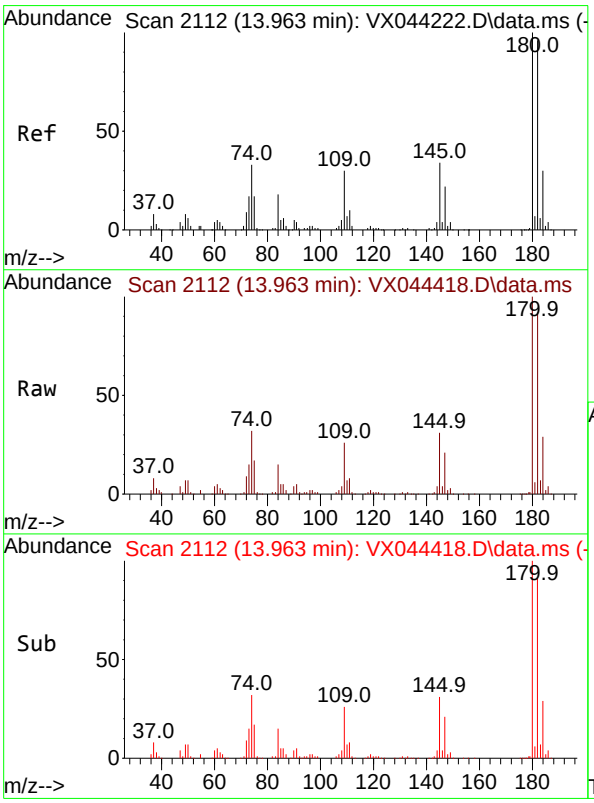

#95
Naphthalene
Concen: 49.962 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE132D5-20241217MSD

Tgt Ion:128 Resp: 319471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 11.0 | 9.0 | 13.4 |

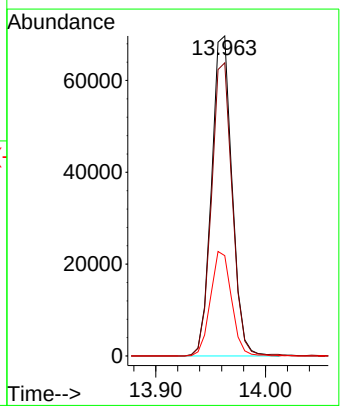



#96
1,2,3-Trichlorobenzene
Concen: 52.140 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044418.D
Acq: 19 Dec 2024 06:51 am

Tgt Ion:180 Resp: 90592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.0 | 48.0 | 144.0 |
| 145 | 33.5 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14 am
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 122991 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 219241 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 189779 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 85459 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 104245 | 48.341 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 96.680% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 79392 | 52.285 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.580% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 254301 | 49.641 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.280% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 86833 | 48.509 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.020% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 89297 | 46.955 | ug/l | 100 |
| 3) Chloromethane | 1.294 | 50 | 94895 | 52.180 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 96779 | 51.081 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 67589 | 50.285 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 69289 | 58.732 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 148267 | 39.974 | ug/l | 95 |
| 8) Diethyl Ether | 2.136 | 74 | 61722 | 48.751 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 64278 | 42.827 | ug/l | 98 |
| 10) Methyl Iodide | 2.447 | 142 | 106921 | 54.052 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.983 | 59 | 80157 | 263.745 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 71141 | 51.604 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 126270 | 287.020 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 113429 | 49.398 | ug/l | 97 |
| 15) Acrylonitrile | 3.068 | 53 | 226510 | 269.056 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 206787 | 235.213 | ug/l | 96 |
| 17) Carbon Disulfide | 2.502 | 76 | 140202 | 53.502 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 117756 | 51.949 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 276100 | 51.323 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 87526 | 53.006 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 73529 | 50.186 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 264037 | 51.065 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1167975 | 277.841 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 150830 | 52.331 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 313889 | 251.145 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 63758 | 27.229 | ug/l | 93 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 92907 | 49.930 | ug/l | 93 |
| 28) Bromochloromethane | 4.897 | 49 | 71184 | 50.366 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 203906 | 254.175 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 159252 | 49.178 | ug/l | 98 |
| 31) Cyclohexane | 5.464 | 56 | 99678 | 42.827 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 130746 | 48.640 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 91756 | 46.748 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 126767 | 52.248 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 102311 | 48.416 | ug/l | 98 |
| 39) Methylcyclohexane | 7.379 | 83 | 97486 | 41.546 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 313202 | 52.556 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14 am
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 68638 | 53.276 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 126056 | 51.349 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 203865 | 53.759 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 75596 | 50.868 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 80013 | 52.553 | ug/l | | 99 |
| 46) Dibromomethane | 7.580 | 93 | 62821 | 53.185 | ug/l | | 93 |
| 47) Bromodichloromethane | 7.824 | 83 | 111053 | 54.439 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 93853 | 50.984 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.665 | 88 | 28322 | 927.969 | ug/l | # | 85 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 637240 | 261.345 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 183930 | 49.148 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 100994 | 46.368 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 111565 | 50.228 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 79401 | 53.407 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 125407 | 53.432 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 135107 | 52.210 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 279300 | 235.938 | ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 464936 | 263.434 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.519 | 129 | 79931 | 50.717 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 81759 | 54.026 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 58220 | 46.221 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 200803 | 49.379 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 71094 | 54.398 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 341788 | 48.644 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 256314 | 99.414 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 128864 | 49.398 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 216799 | 51.842 | ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 48213 | 52.457 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 314366 | 48.052 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 166301 | 55.002 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 119667 | 52.663 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 123063 | 64.495 | ug/l | | 85 |
| 77) Bromobenzene | 11.195 | 156 | 81167 | 51.162 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 351524 | 48.614 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 220699 | 47.194 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 263525 | 48.573 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 26316 | 40.690 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 251878 | 48.639 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 262462 | 48.951 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 264960 | 49.728 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 308602 | 47.411 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 257648 | 47.558 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 140315 | 50.634 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 140008 | 49.148 | ug/l | | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 214353 | 47.053 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 40378 | 51.057 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 145586 | 50.596 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 22216 | 50.364 | ug/l | | 88 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 83037 | 52.638 | ug/l | | 95 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29885 | 47.098 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 311462 | 50.581 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 85722 | 51.233 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14 am
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

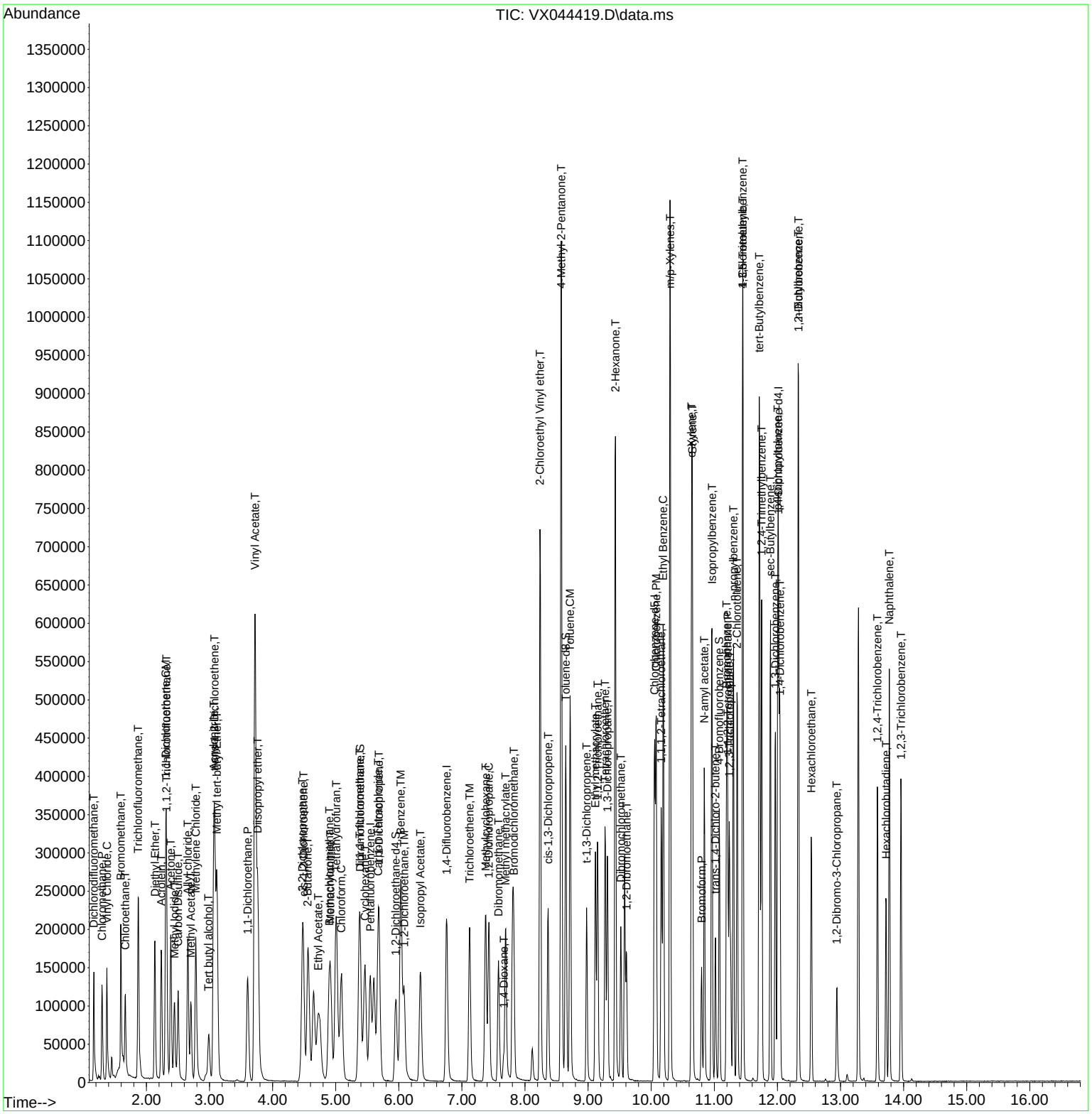
(#) = qualifier out of range (m) = manual integration (+) = signals summed

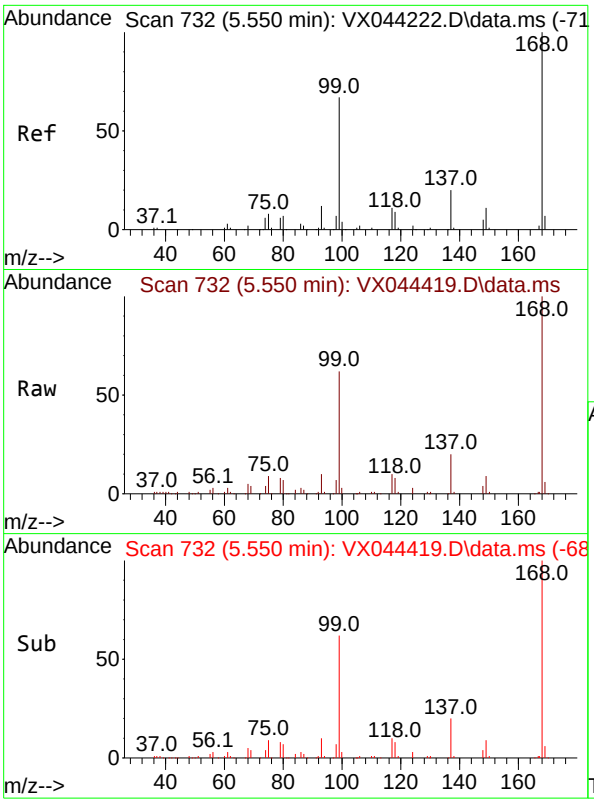
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
Data File : VX044419.D
Acq On : 19 Dec 2024 07:14 am
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 19 07:44:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



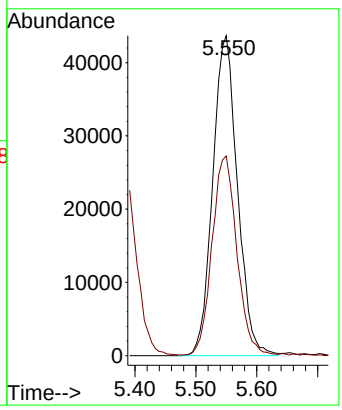


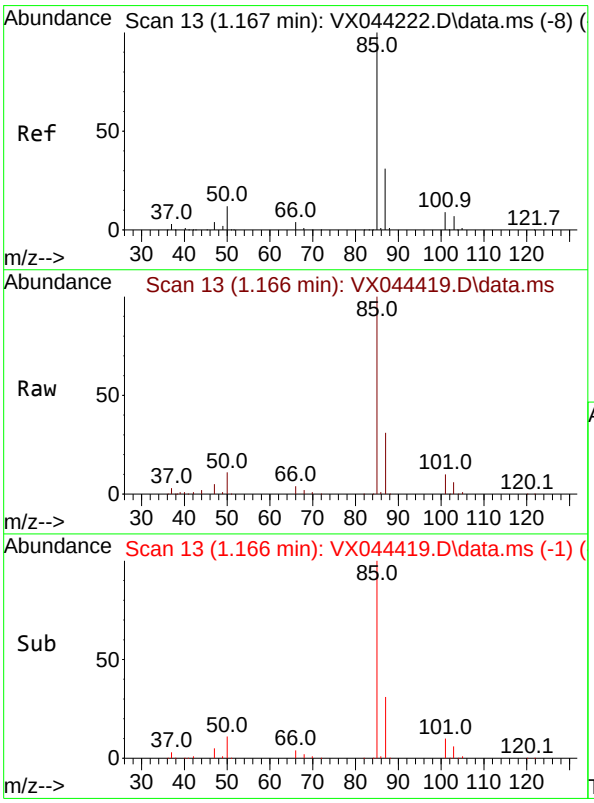

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 122991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.2 | 53.4 | 80.0 |

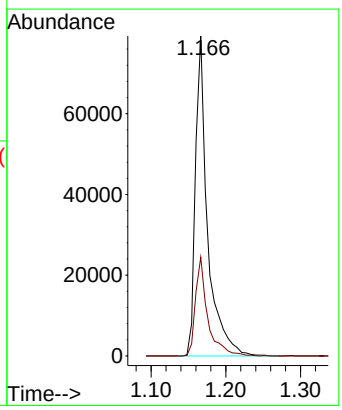


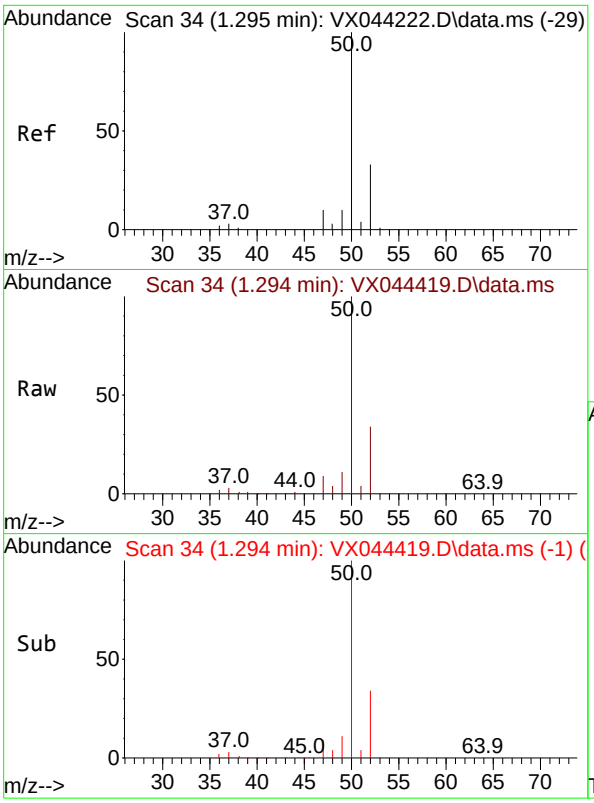




#2
Dichlorodifluoromethane
Concen: 46.955 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 85 Resp: 89297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.9 | 15.4 | 46.4 |



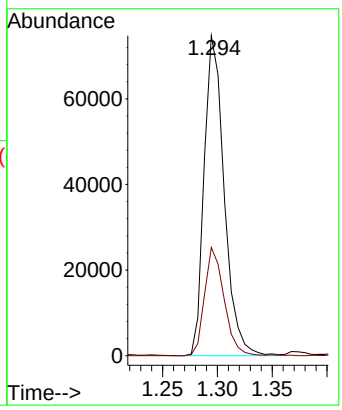


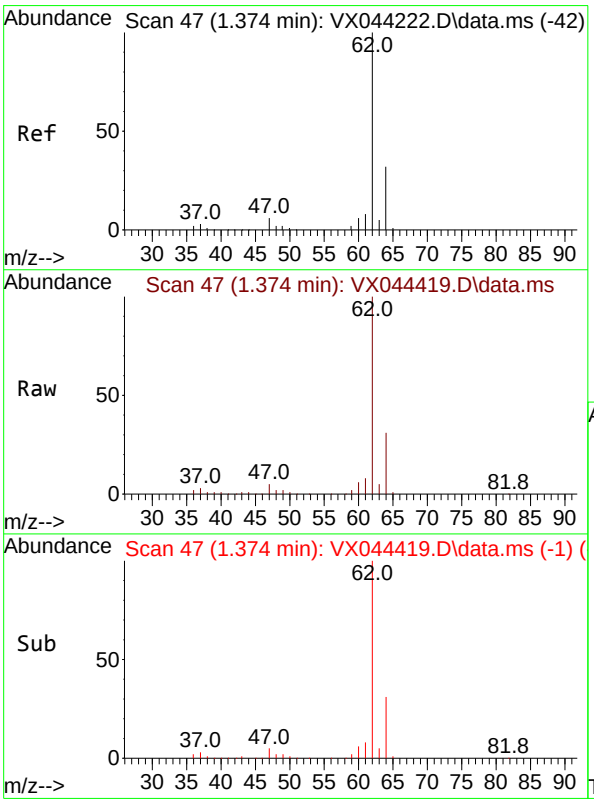

#3
Chloromethane
Concen: 52.180 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 94895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.5 | 39.7 |

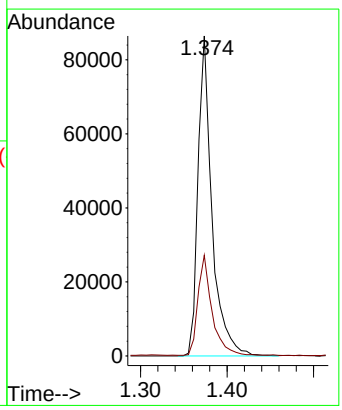


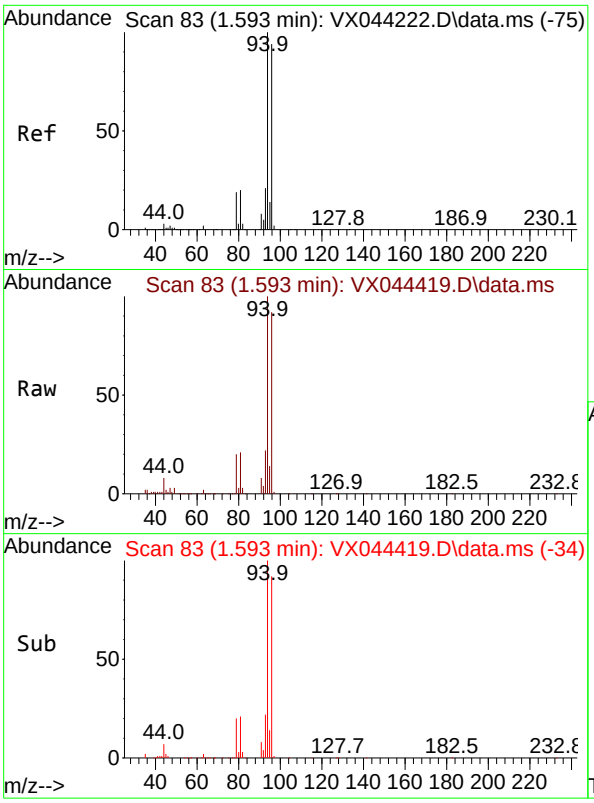




#4
Vinyl Chloride
Concen: 51.081 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 62 Resp: 96779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.3 | 25.7 | 38.5 |



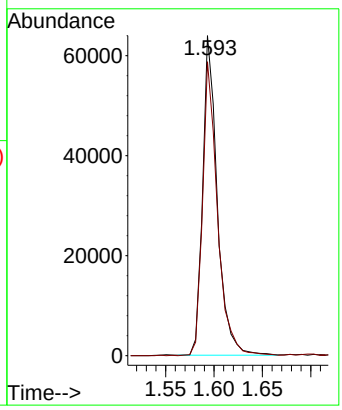


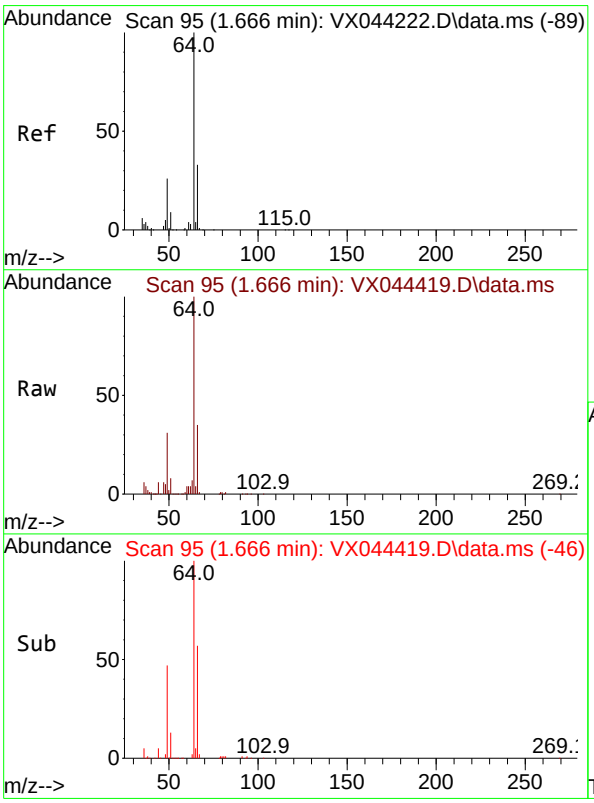

#5
Bromomethane
Concen: 50.285 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 67589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.0 | 74.9 | 112.3 |

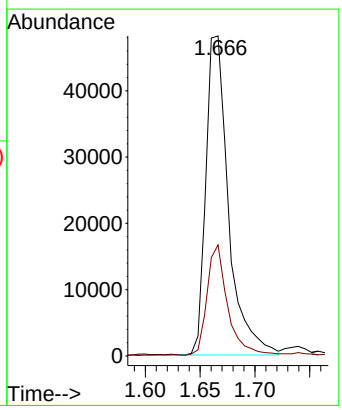


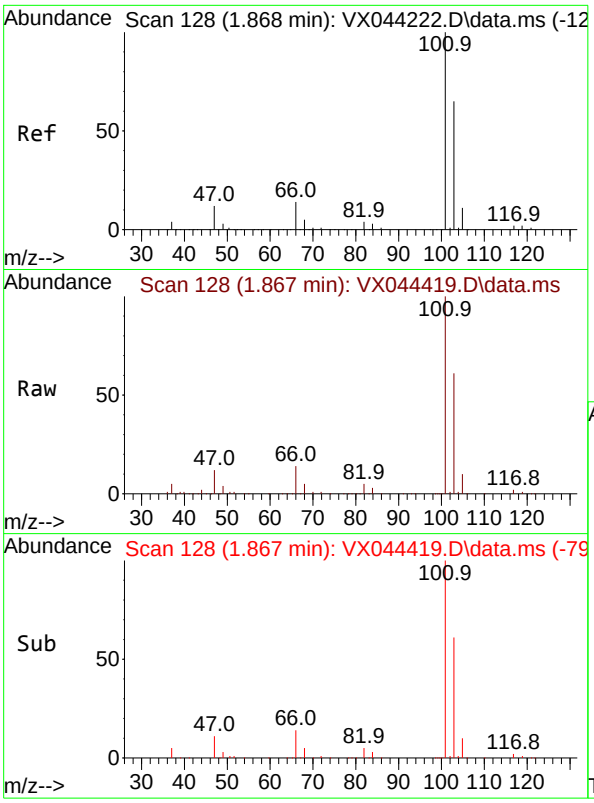




#6
Chloroethane
Concen: 58.732 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 64 Resp: 69289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.4 | 26.6 | 39.8 |



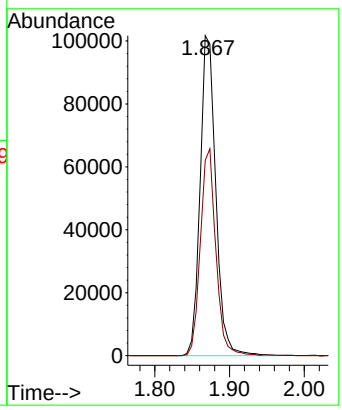


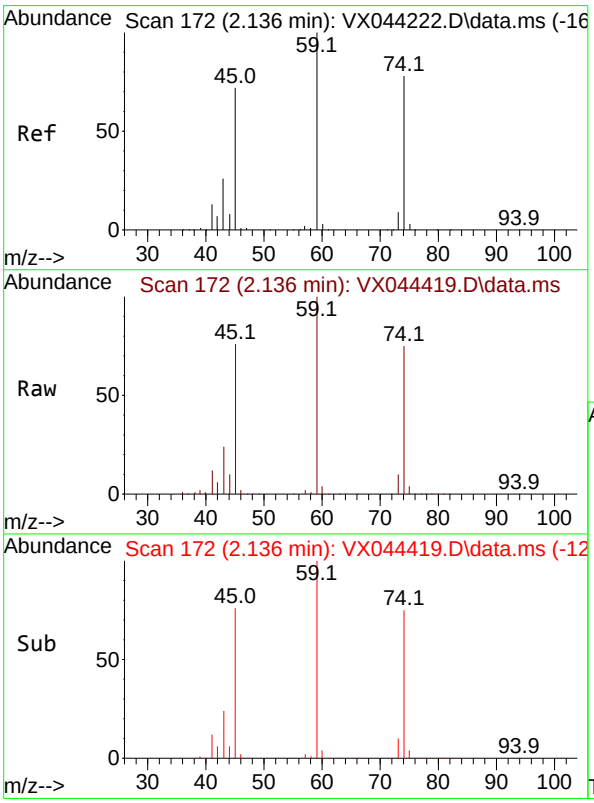

#7
Trichlorofluoromethane
Concen: 39.974 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 148267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 61.0 | 51.8 | 77.8 |

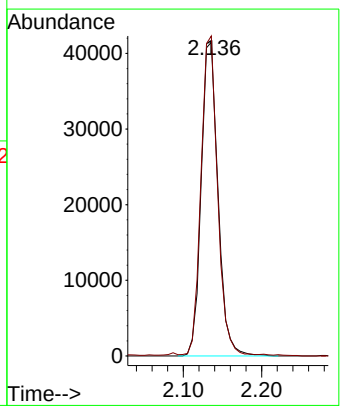


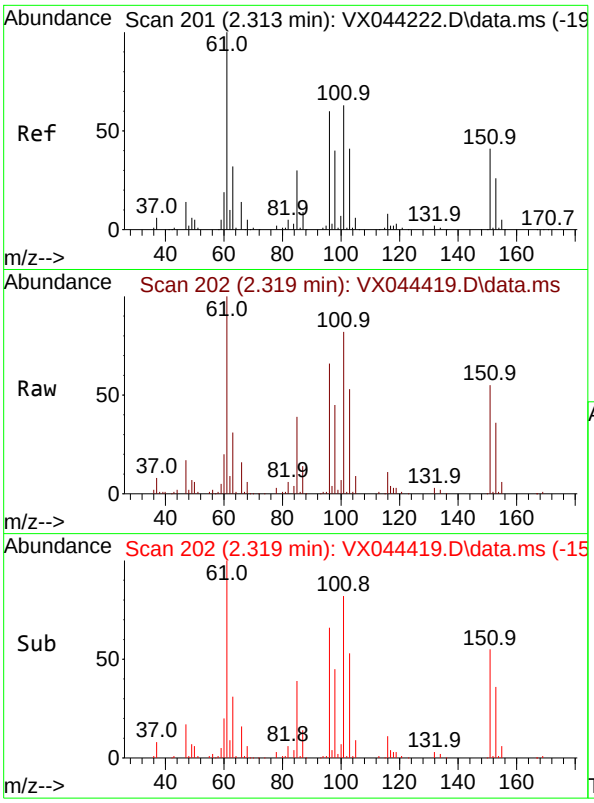




#8
Diethyl Ether
Concen: 48.751 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 74 Resp: 61722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.6 | 48.4 | 145.0 |



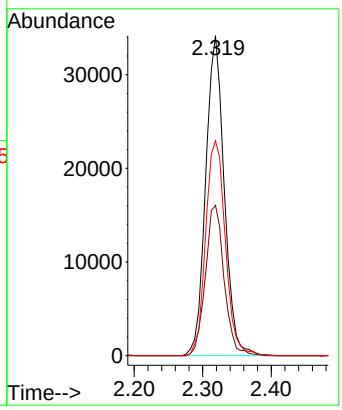


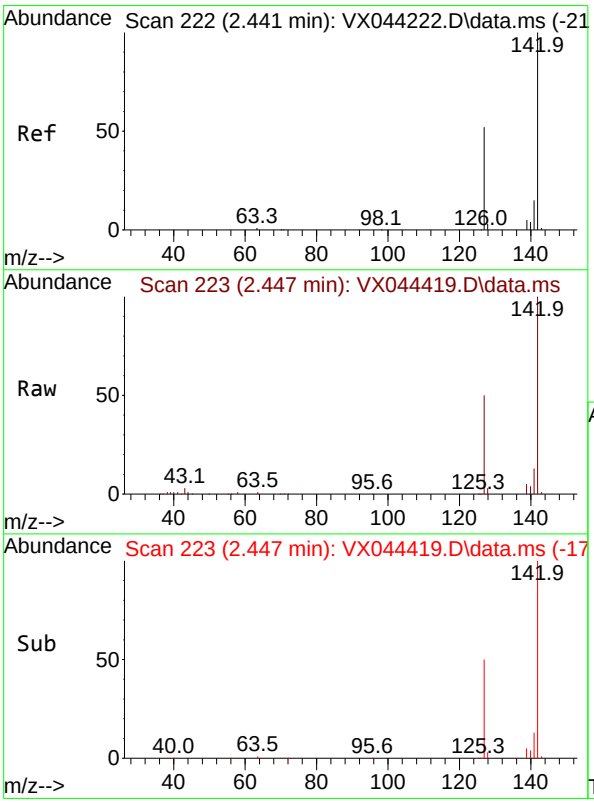

#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.827 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 64278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.5 | 38.5 | 57.7 |
| 151 | 71.3 | 55.8 | 83.6 |

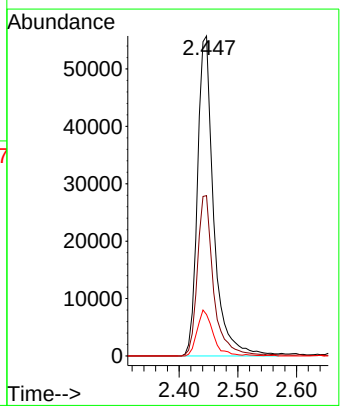


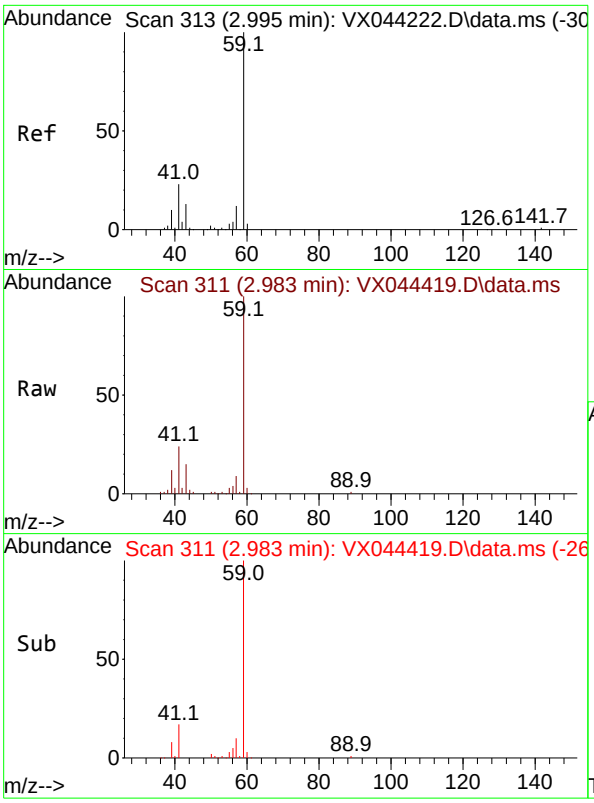




#10
Methyl Iodide
Concen: 54.052 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:142 Resp: 106921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.9 | 41.8 | 62.8 |
| 141 | 14.0 | 11.5 | 17.3 |



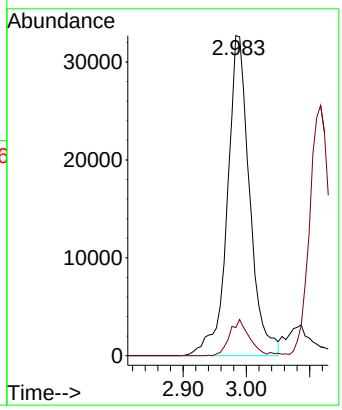


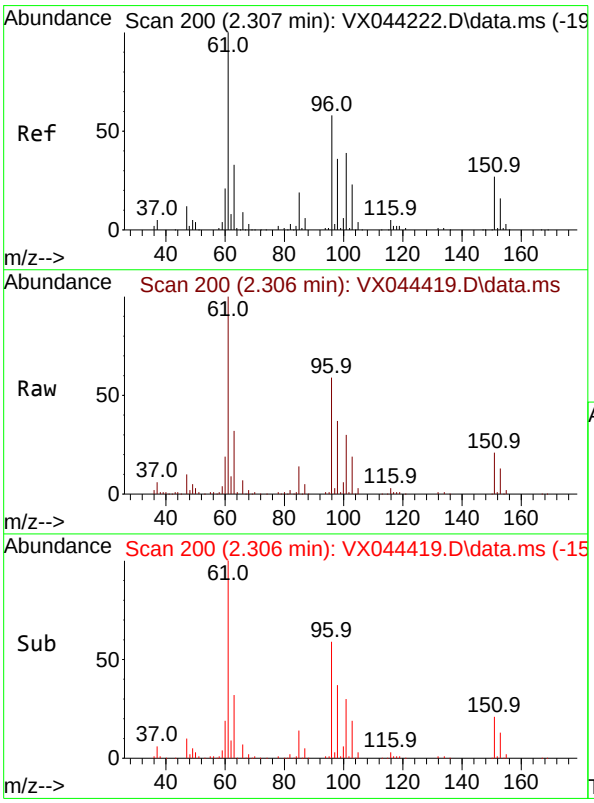

#11
Tert butyl alcohol
Concen: 263.745 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 80157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 8.8 | 13.2 |

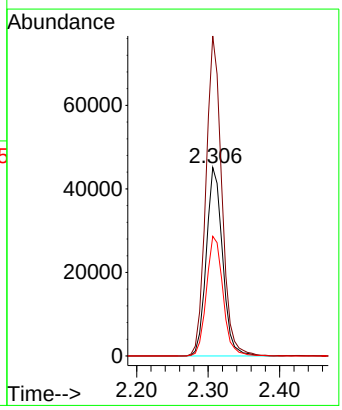


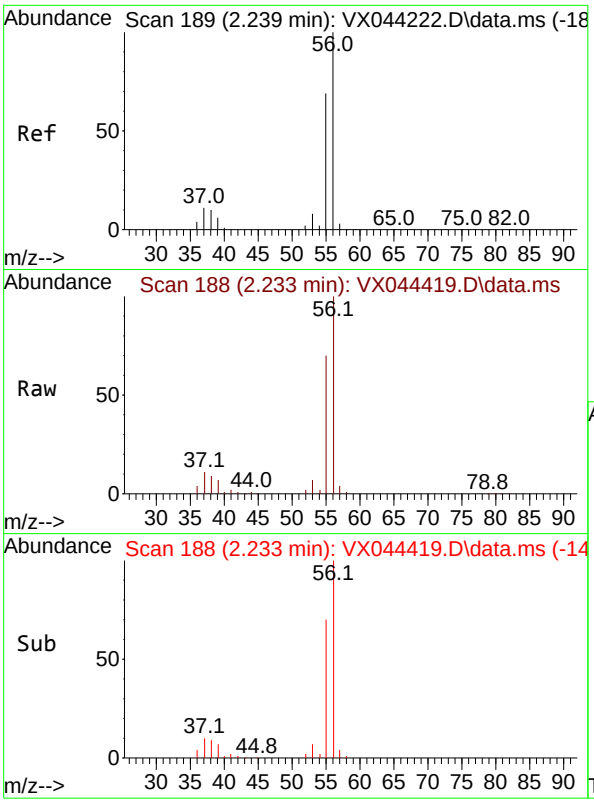




#12
1,1-Dichloroethene
Concen: 51.604 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 96 Resp: 71141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.8 | 138.0 | 207.0 |
| 98 | 63.5 | 50.0 | 75.0 |



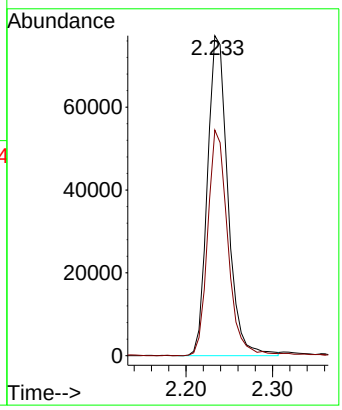


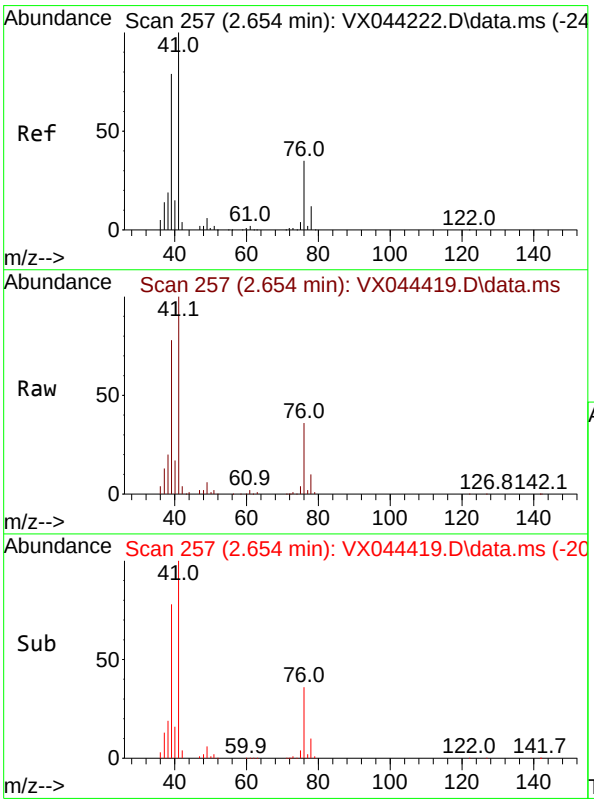

#13
Acrolein
Concen: 287.020 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 126270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.2 | 56.6 | 84.8 |

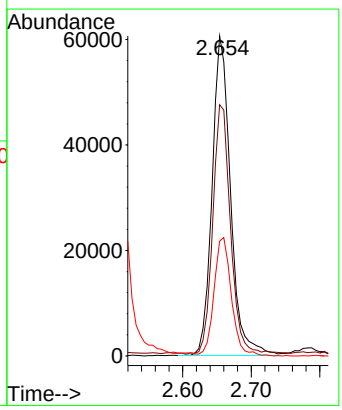


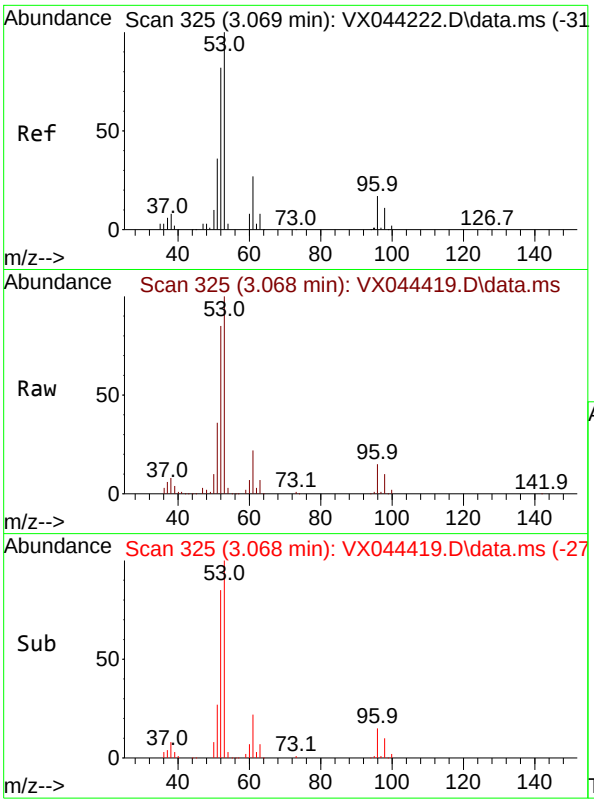




#14
Allyl chloride
Concen: 49.398 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 41 Resp: 113429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.1 | 61.9 | 92.9 |
| 76 | 34.7 | 27.4 | 41.2 |



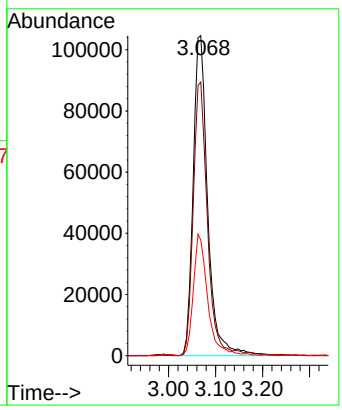


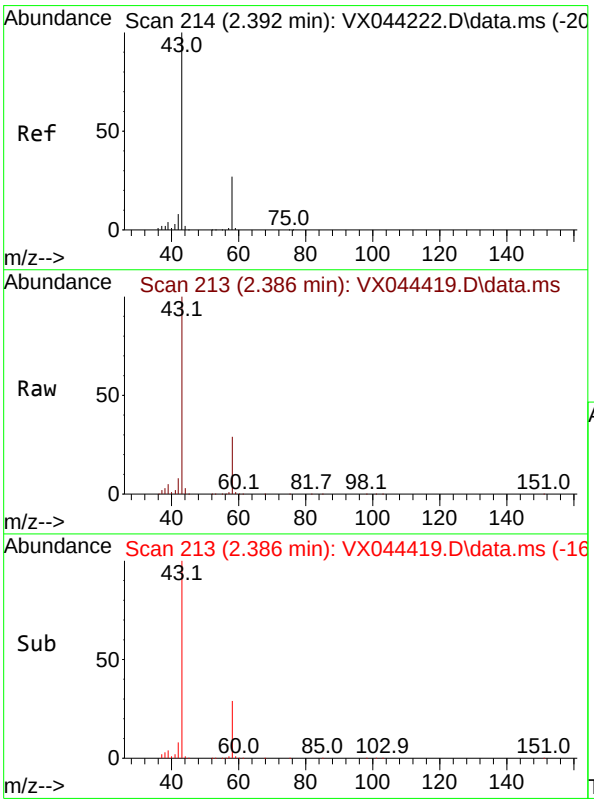

#15
Acrylonitrile
Concen: 269.056 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 226510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 67.4 | 101.0 |
| 51 | 37.5 | 30.3 | 45.5 |

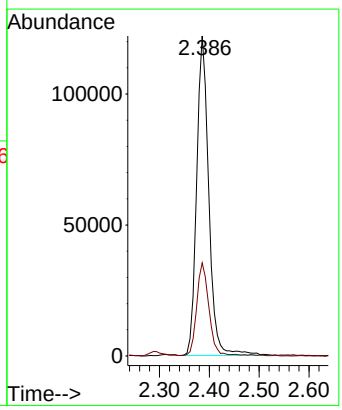


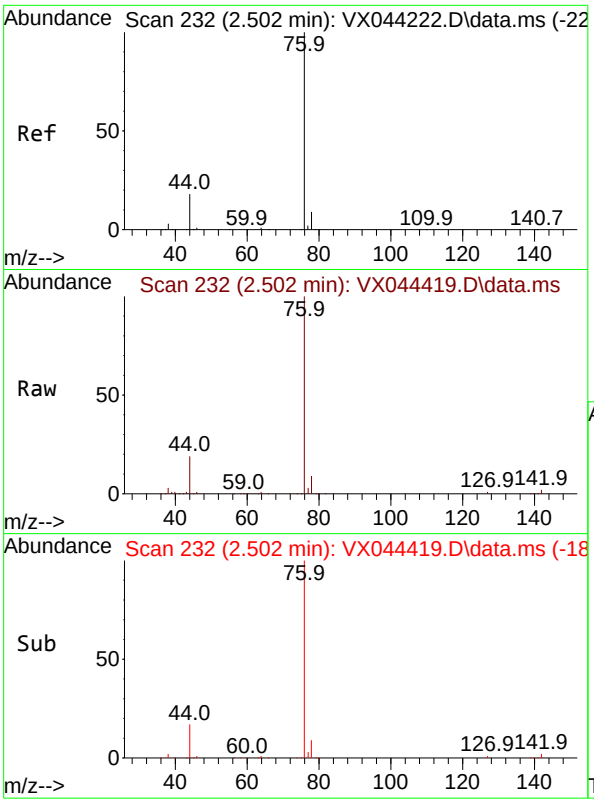




#16
Acetone
Concen: 235.213 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 43 Resp: 206787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 21.6 | 32.4 |



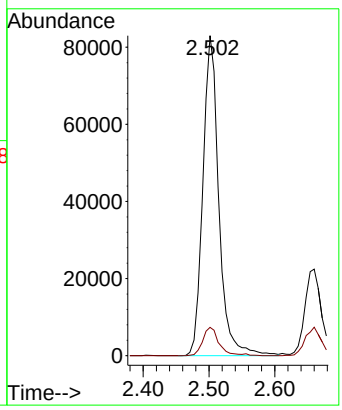


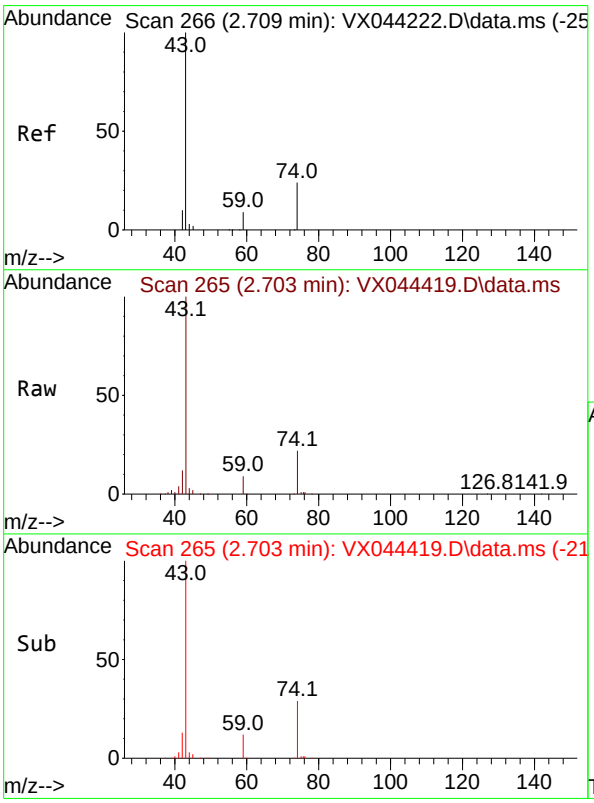

#17
Carbon Disulfide
Concen: 53.502 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 140202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.4 | 11.0 |

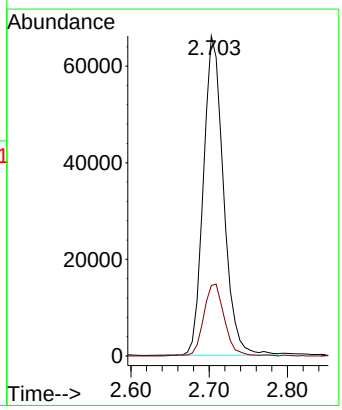


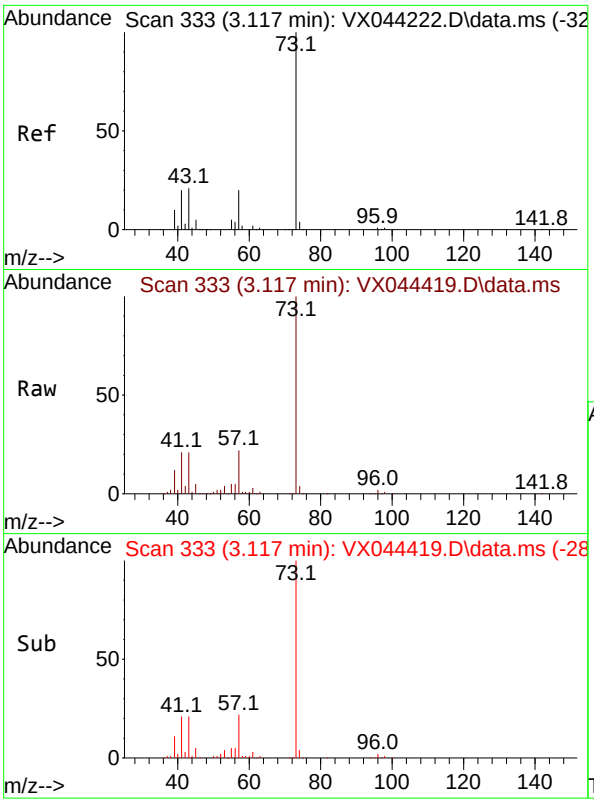




#18
Methyl Acetate
Concen: 51.949 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 43 Resp: 117756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.2 | 17.7 | 26.5 |



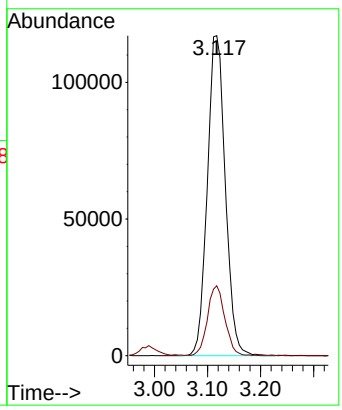


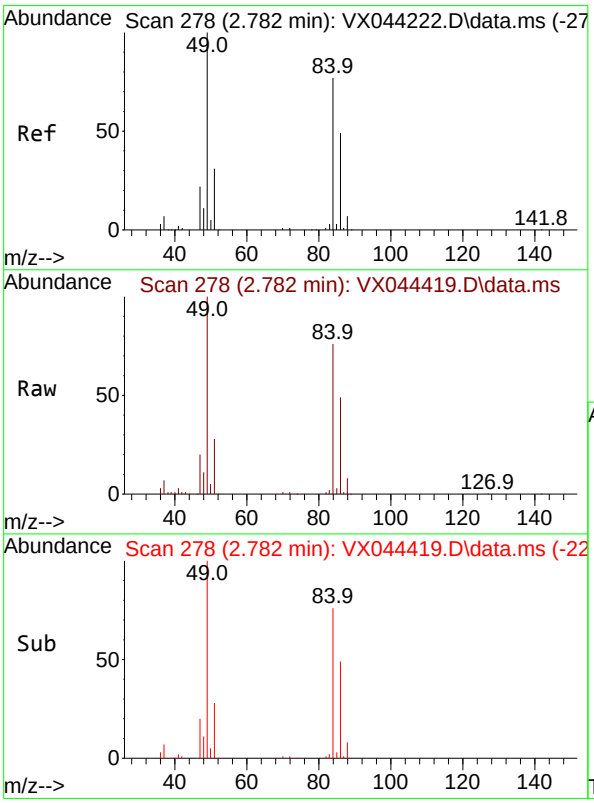

#19
Methyl tert-butyl Ether
Concen: 51.323 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 276100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 16.2 | 24.4 |

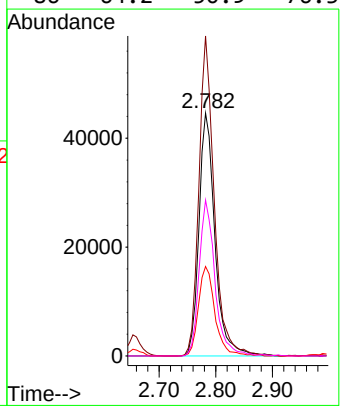


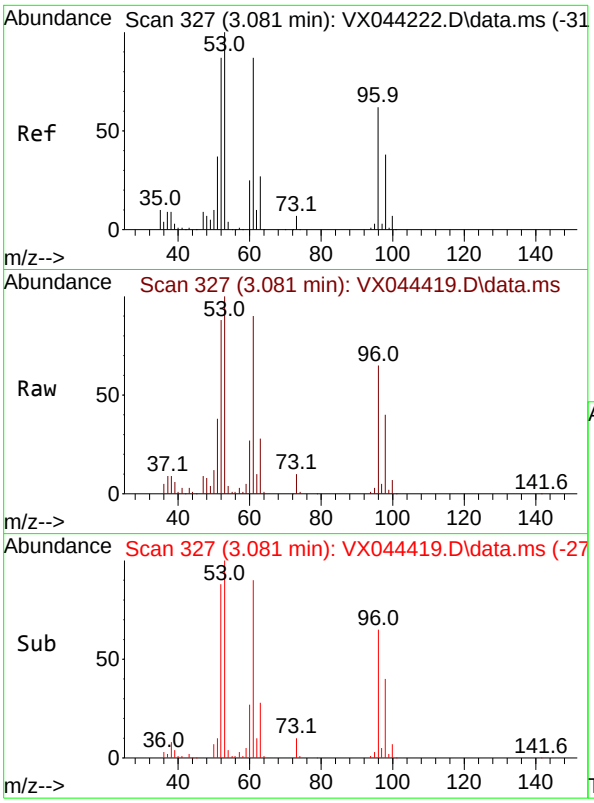




#20
Methylene Chloride
Concen: 53.006 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 84 Resp: 87526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.7 | 104.2 | 156.4 |
| 51 | 36.8 | 32.2 | 48.4 |
| 86 | 64.2 | 50.9 | 76.3 |



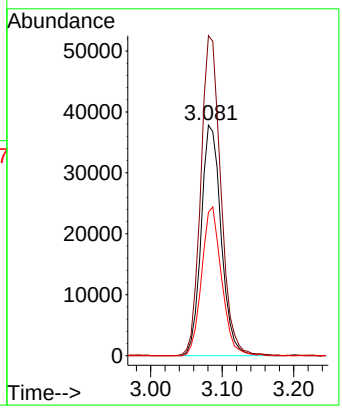


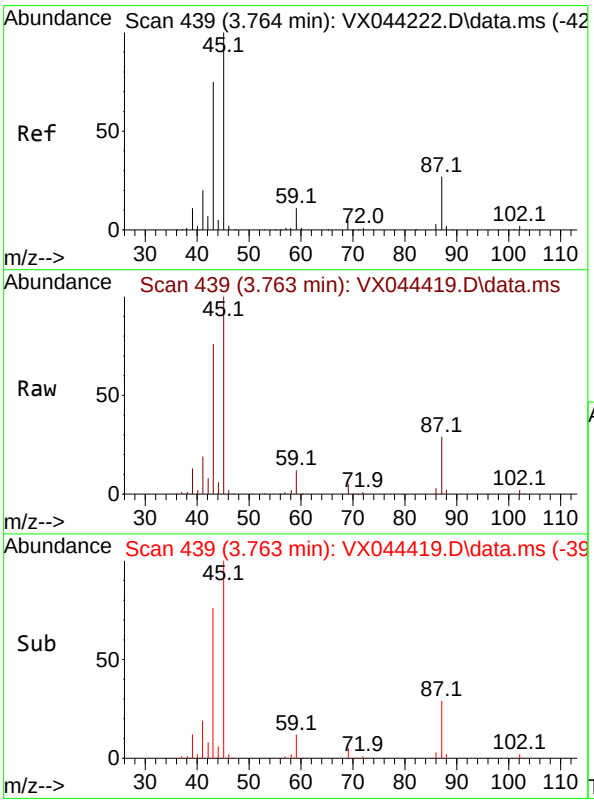

#21
trans-1,2-Dichloroethene
Concen: 50.186 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 73529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.7 | 112.0 | 168.0 |
| 98 | 62.2 | 48.8 | 73.2 |

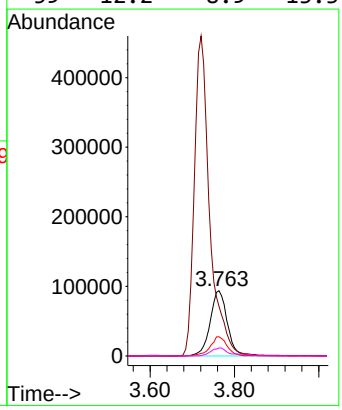


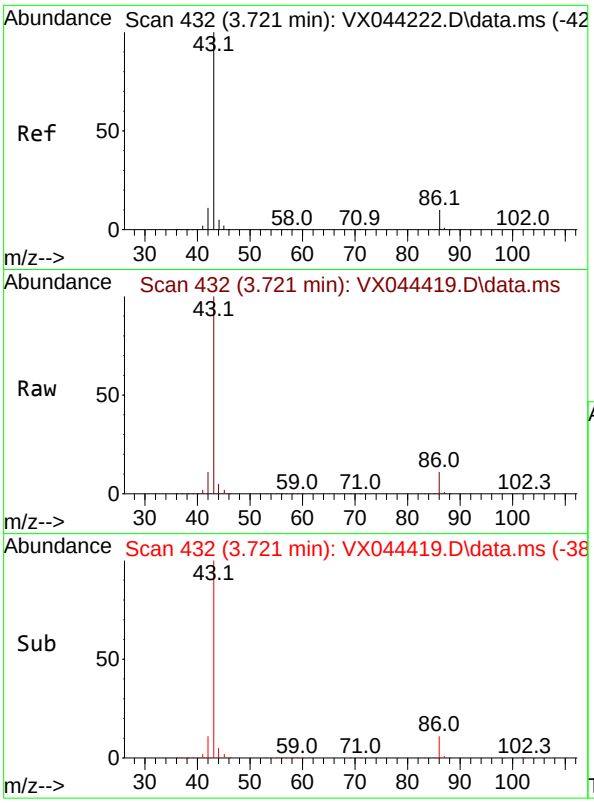




#22
Diisopropyl ether
Concen: 51.065 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 45 Resp: 264037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 76.0 | 60.2 | 90.2 |
| 87 | 29.4 | 21.2 | 31.8 |
| 59 | 12.2 | 8.9 | 13.3 |



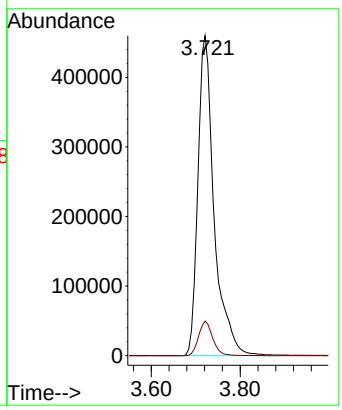


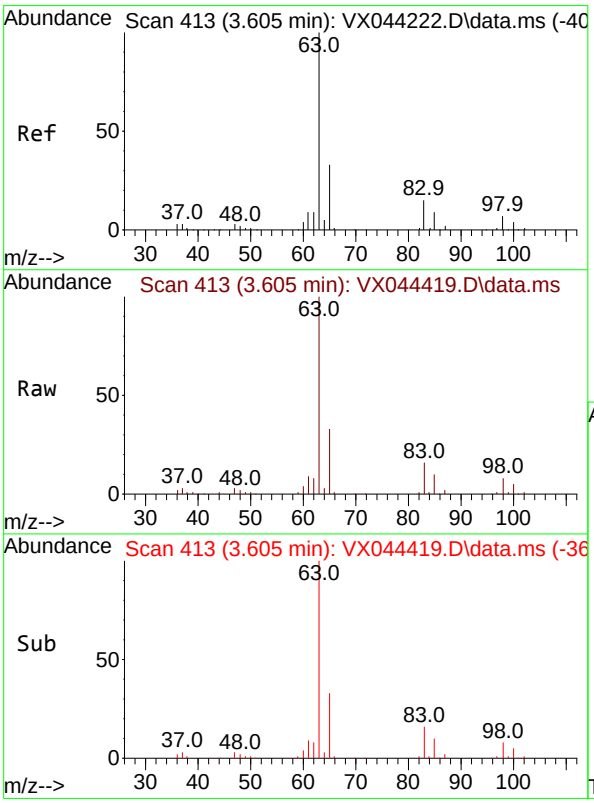

#23
Vinyl Acetate
Concen: 277.841 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1167975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |

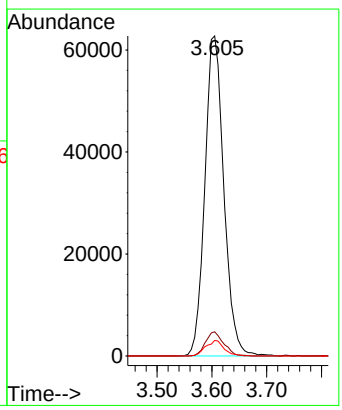


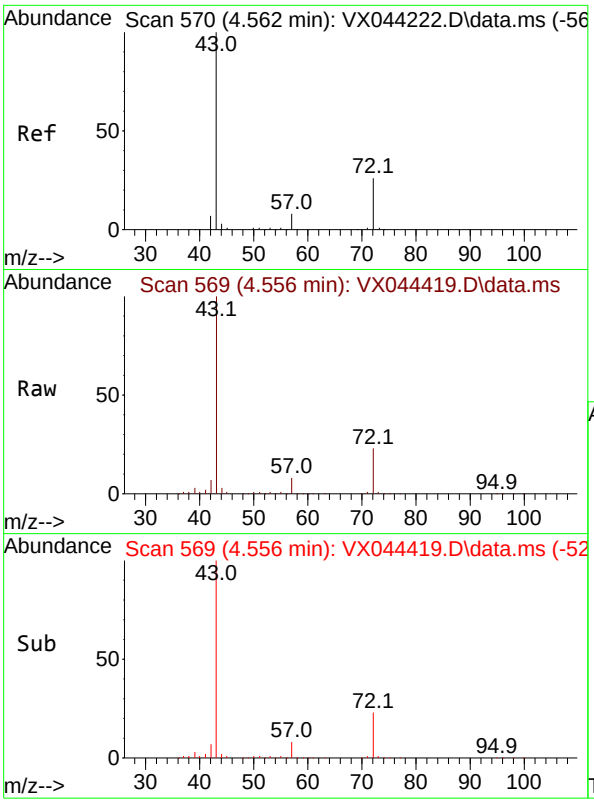




#24
1,1-Dichloroethane
Concen: 52.331 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 63 Resp: 150830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |



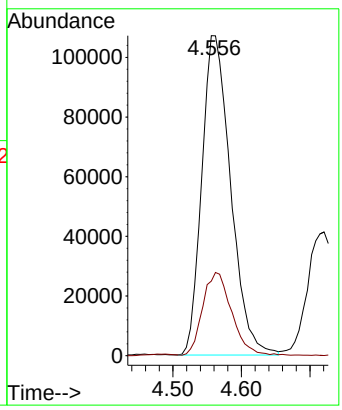


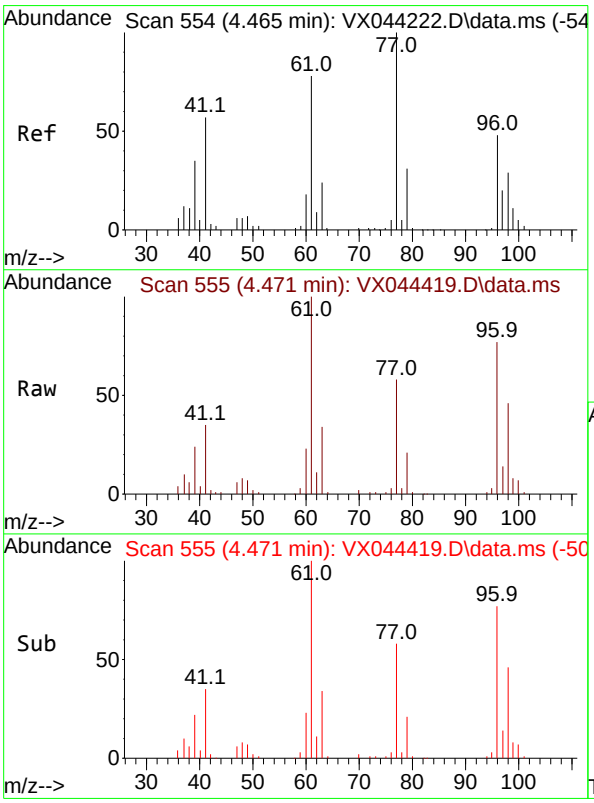

#25
2-Butanone
Concen: 251.145 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 313889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.1 | 20.2 | 30.4 |

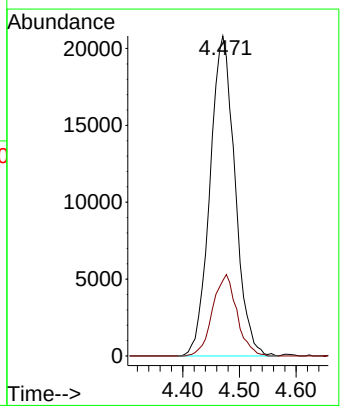


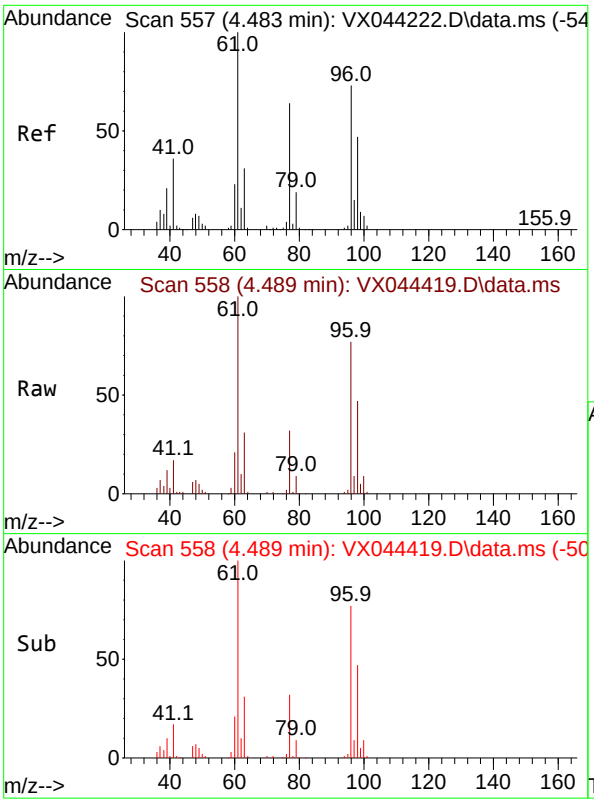




#26
2,2-Dichloropropane
Concen: 27.229 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 77 Resp: 63758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 24.7 | 10.7 | 32.1 |



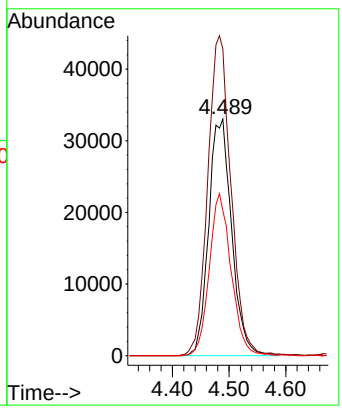


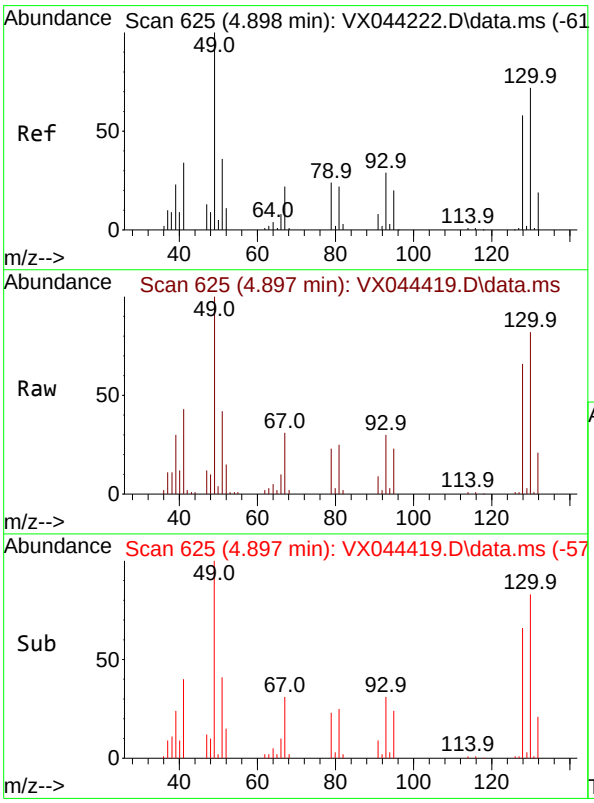

#27
cis-1,2-Dichloroethene
Concen: 49.930 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 92907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.6 | 0.0 | 299.0 |
| 98 | 65.1 | 0.0 | 129.0 |

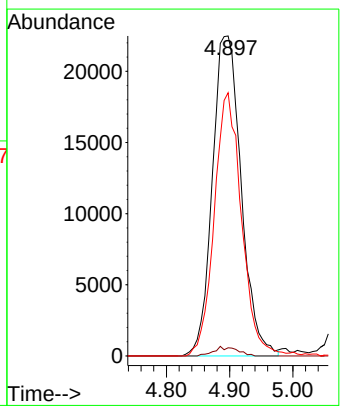


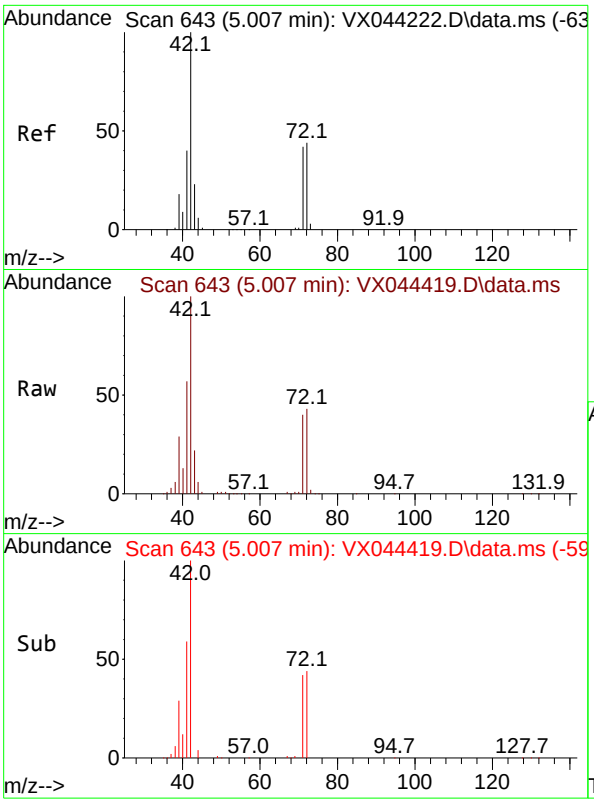




#28
Bromochloromethane
Concen: 50.366 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 49 Resp: 71184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.1 | 0.0 | 4.2 |
| 130 | 77.9 | 62.1 | 93.1 |



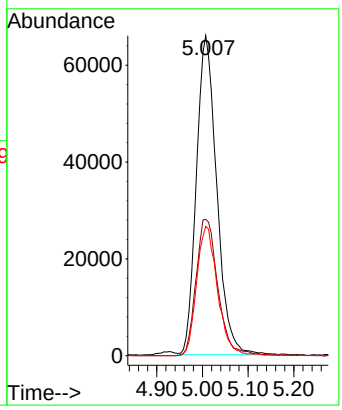


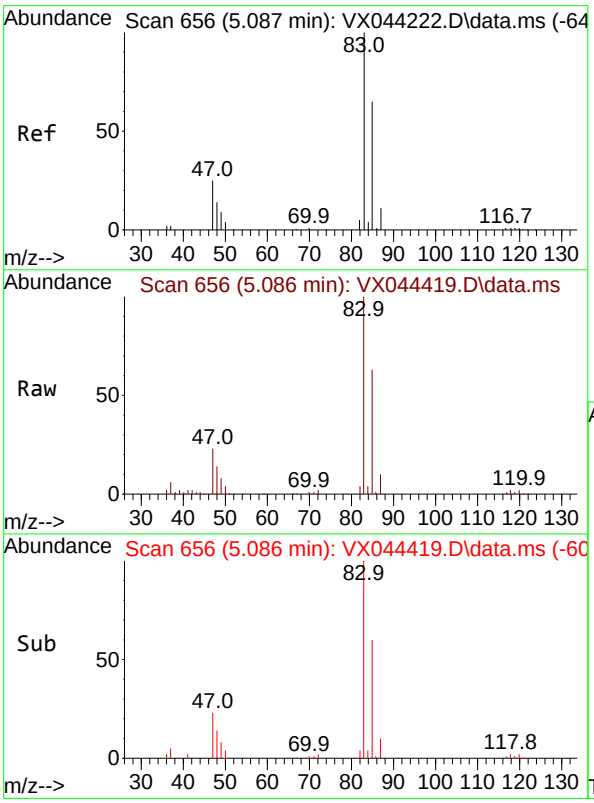

#29
Tetrahydrofuran
Concen: 254.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 203906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.0 | 37.0 | 55.6 |
| 71 | 41.6 | 33.6 | 50.4 |

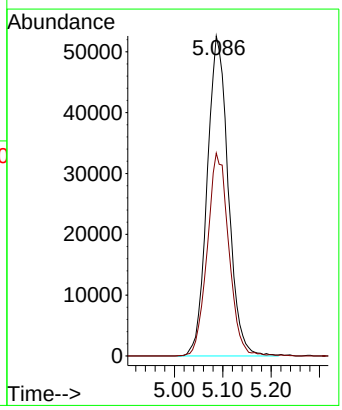


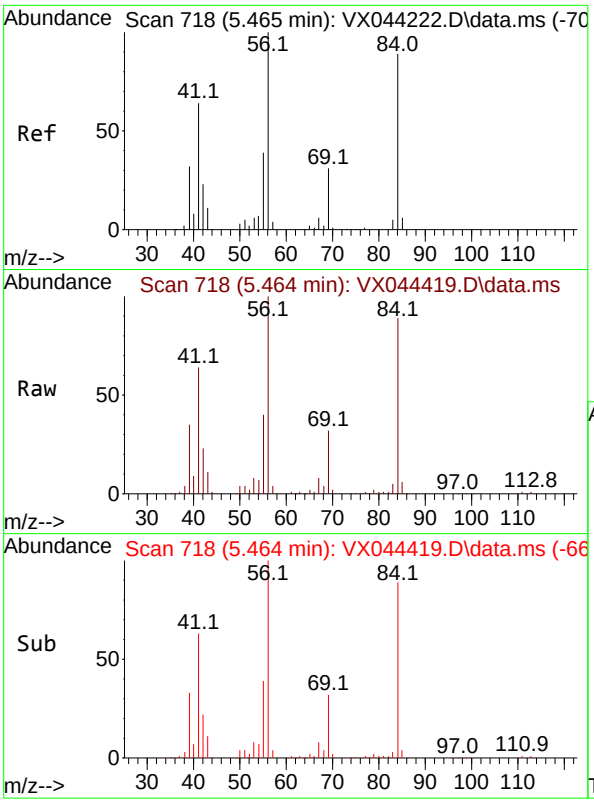




#30
Chloroform
Concen: 49.178 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 83 Resp: 159252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 51.6 | 77.4 |



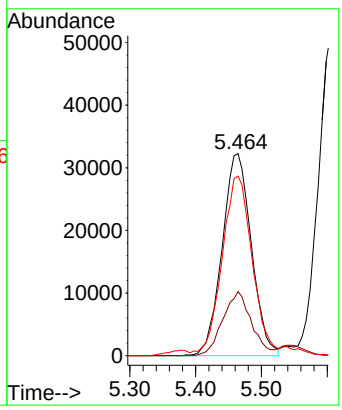


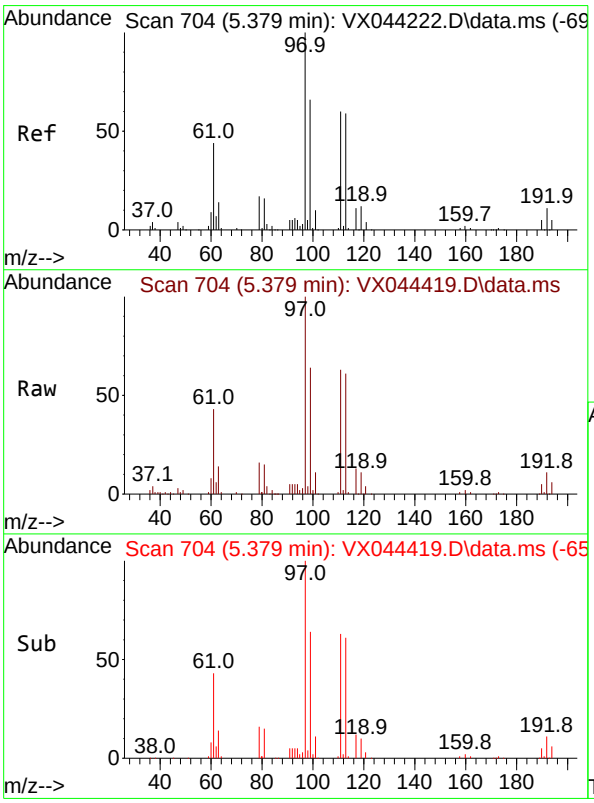

#31
Cyclohexane
Concen: 42.827 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 99678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.7 | 24.7 | 37.1 |
| 84 | 86.4 | 71.0 | 106.6 |

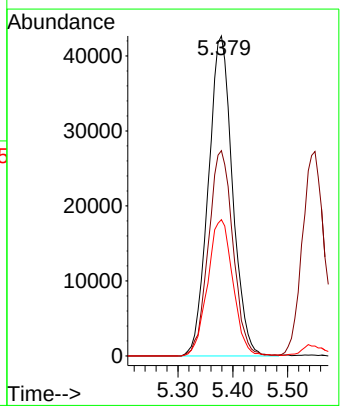


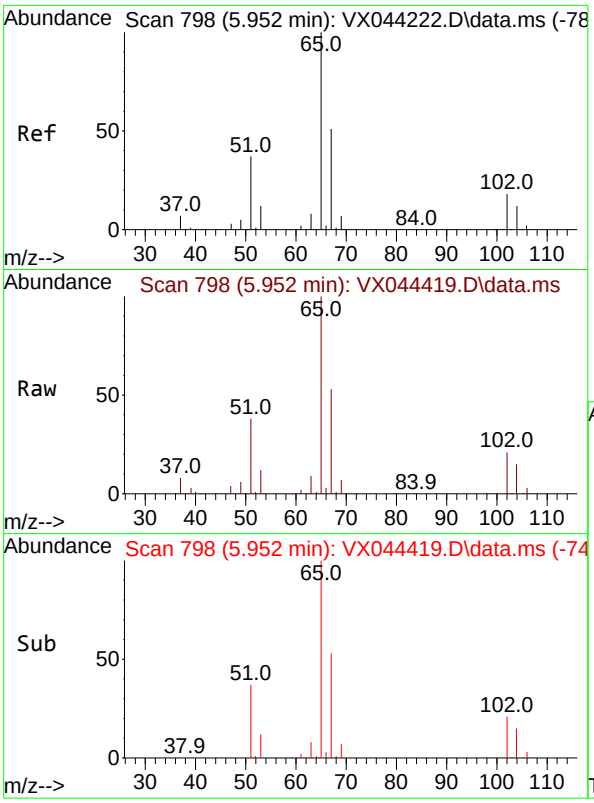




#32
1,1,1-Trichloroethane
Concen: 48.640 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 97 Resp: 130746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.3 | 50.8 | 76.2 |
| 61 | 44.6 | 35.2 | 52.8 |



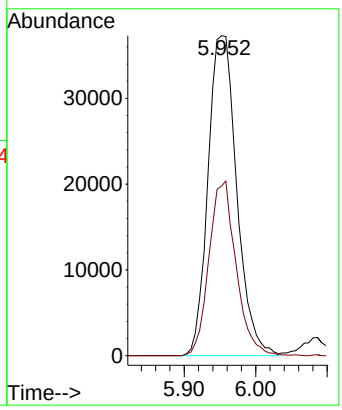


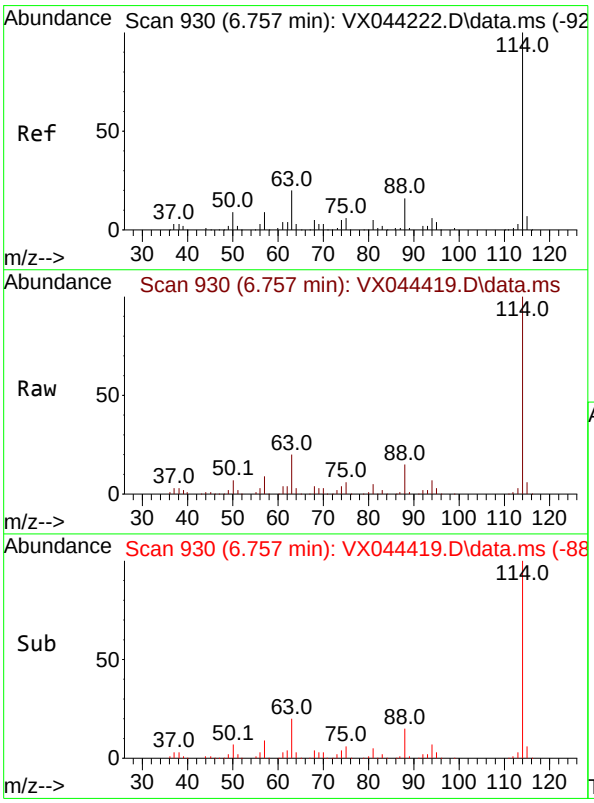

#33
1,2-Dichloroethane-d4
Concen: 48.341 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 104245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 101.6 |

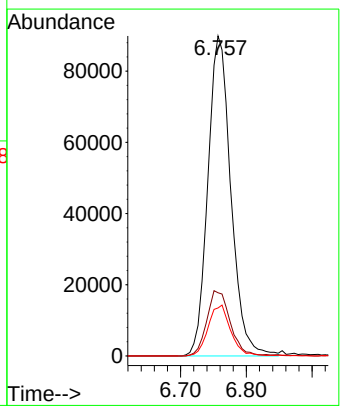


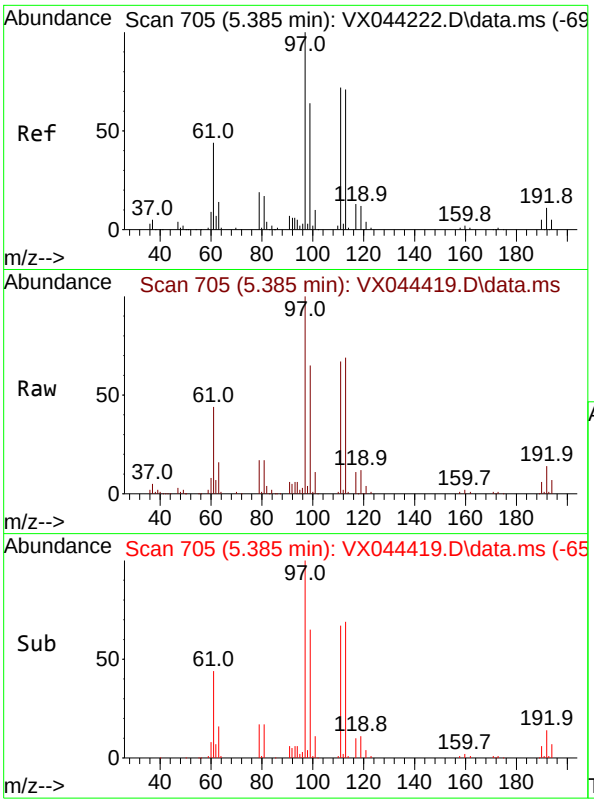




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:114 Resp: 219241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 40.6 |
| 88 | 15.0 | 0.0 | 31.8 |



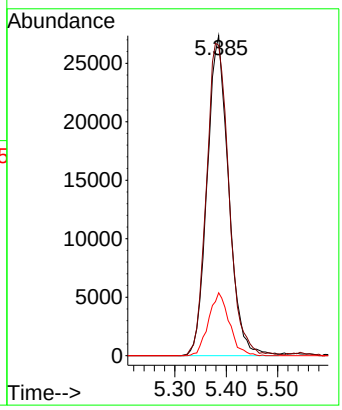


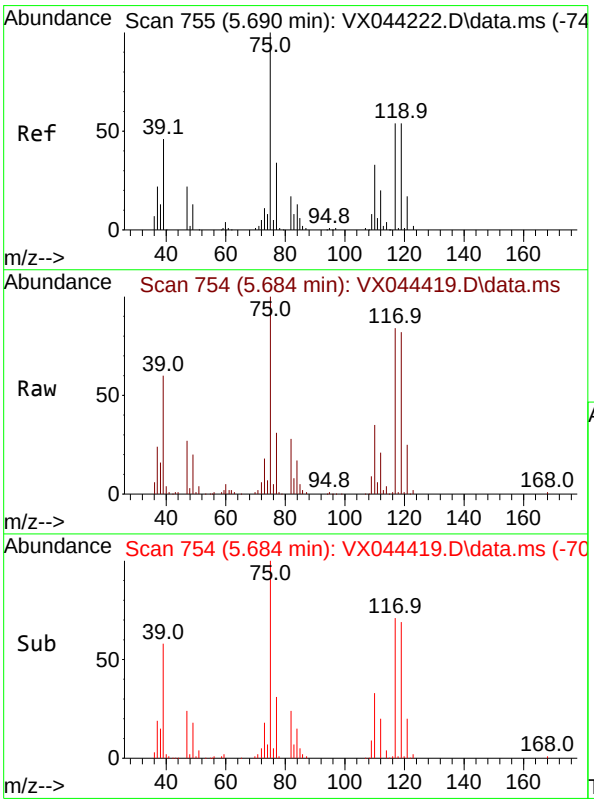

#35
Dibromofluoromethane
Concen: 52.285 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 79392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 80.4 | 120.6 |
| 192 | 19.0 | 13.3 | 19.9 |

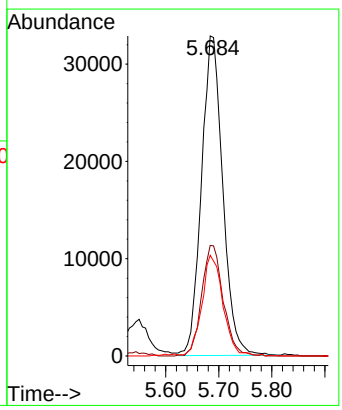


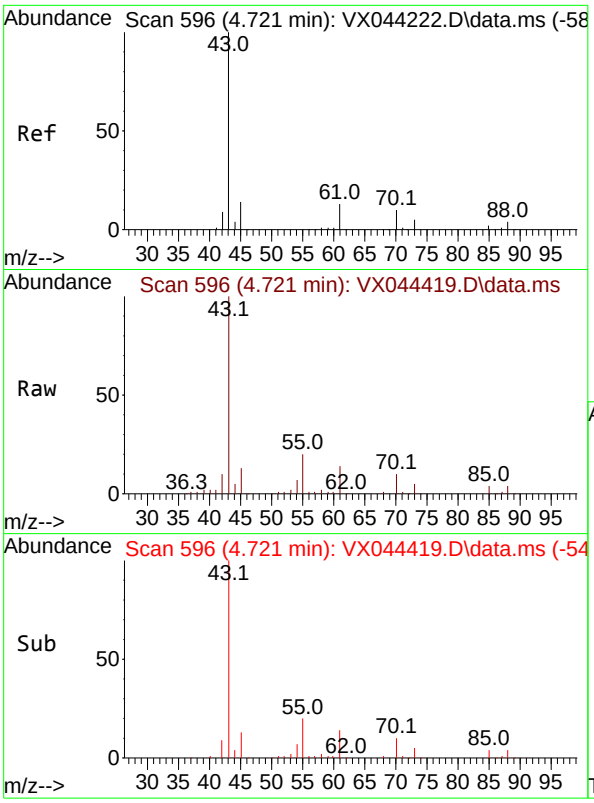




#36
1,1-Dichloropropene
Concen: 46.748 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 75 Resp: 91756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.0 | 17.3 | 51.7 |
| 77 | 30.6 | 25.4 | 38.0 |



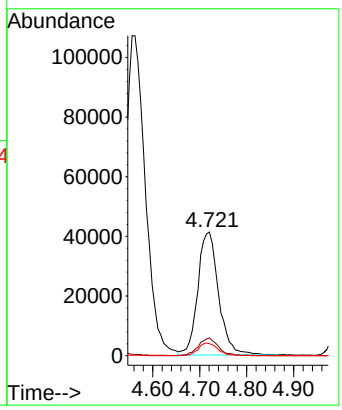


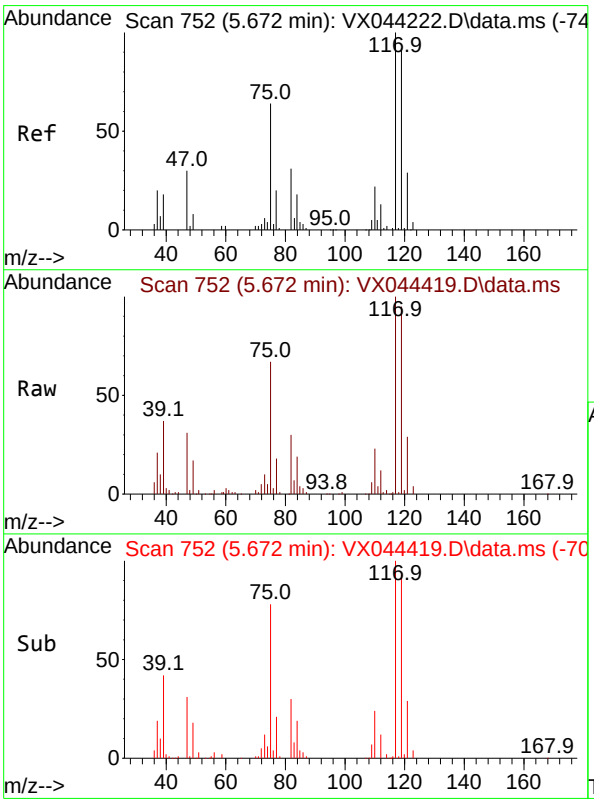

#37
Ethyl Acetate
Concen: 52.248 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 126767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 9.8 | 14.8 |
| 70 | 9.7 | 7.7 | 11.5 |

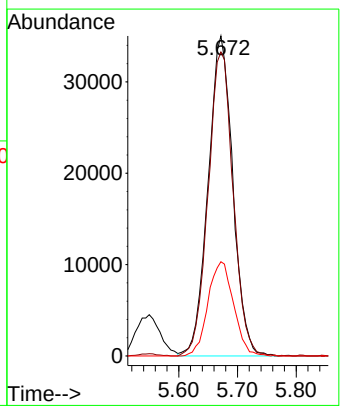


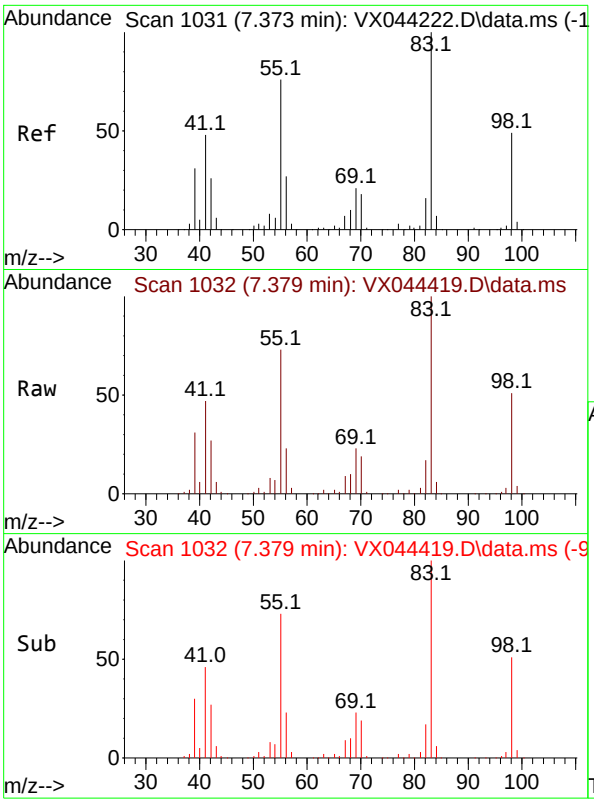




#38
Carbon Tetrachloride
Concen: 48.416 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:117 Resp: 102311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 74.2 | 111.4 |
| 121 | 29.5 | 23.0 | 34.6 |



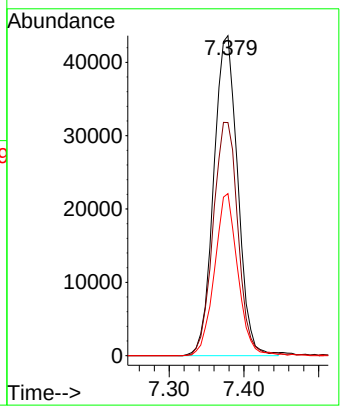


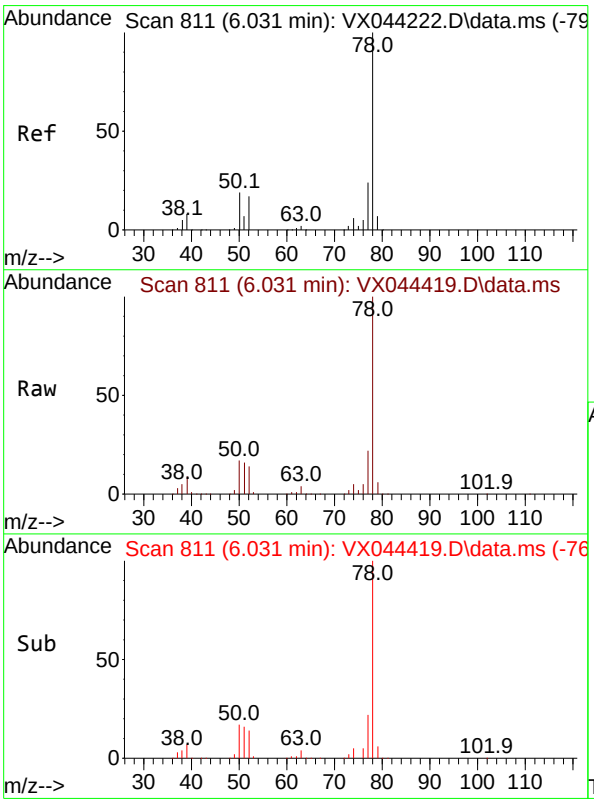

#39
Methylcyclohexane
Concen: 41.546 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 97486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.8 | 60.7 | 91.1 |
| 98 | 50.6 | 38.9 | 58.3 |

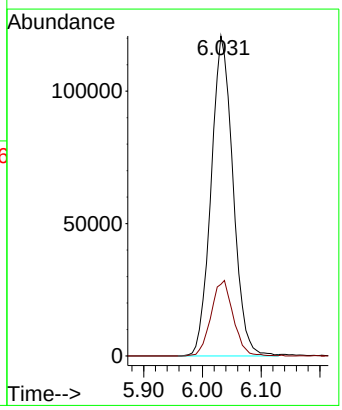


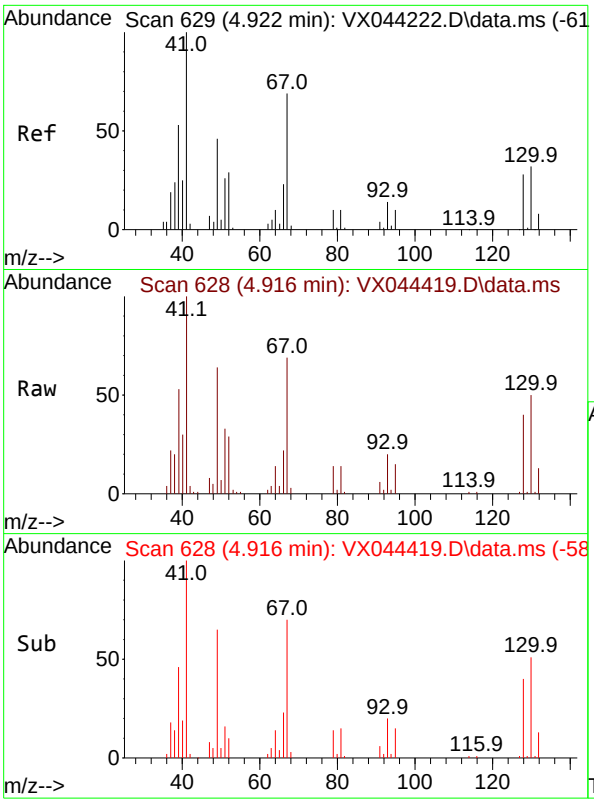




#40
Benzene
Concen: 52.556 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 78 Resp: 313202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.4 | 19.3 | 28.9 |



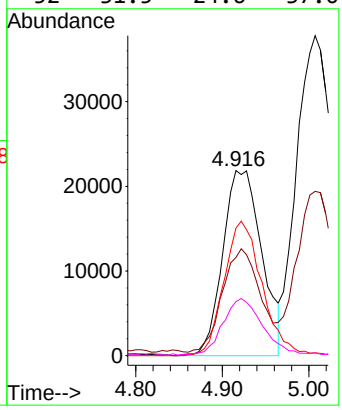


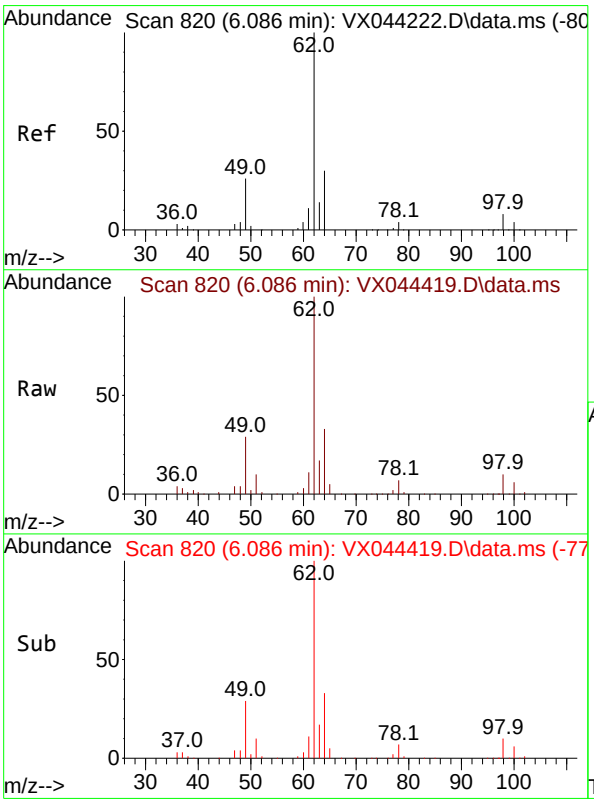

#41
Methacrylonitrile
Concen: 53.276 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 68638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.9 | 44.2 | 66.4 |
| 67 | 71.0 | 57.2 | 85.8 |
| 52 | 31.5 | 24.6 | 37.0 |

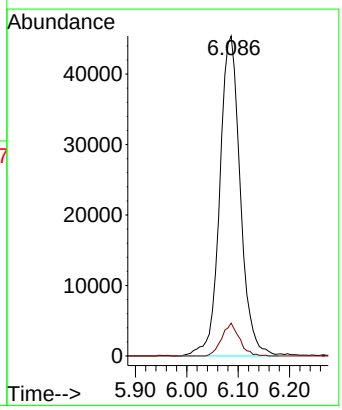


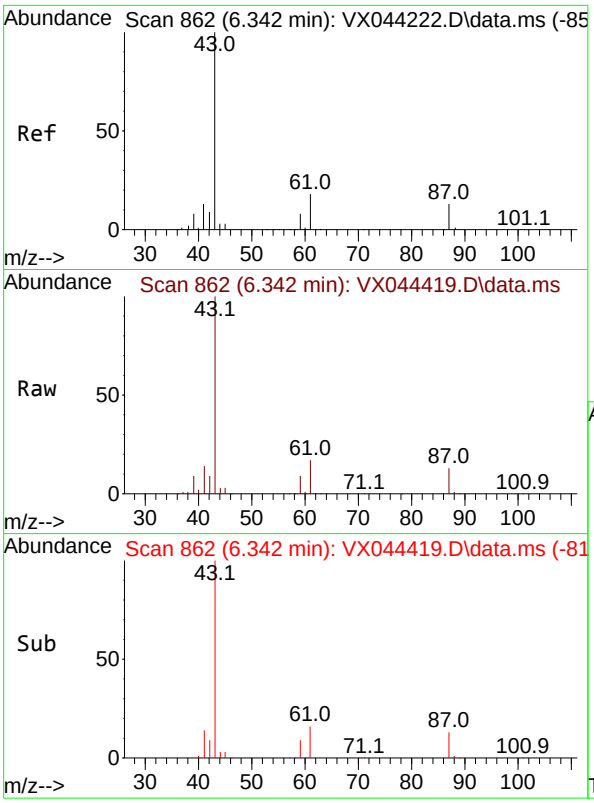




#42
1,2-Dichloroethane
Concen: 51.349 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 62 Resp: 126056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 15.8 |



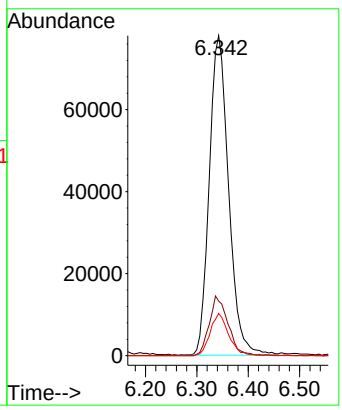


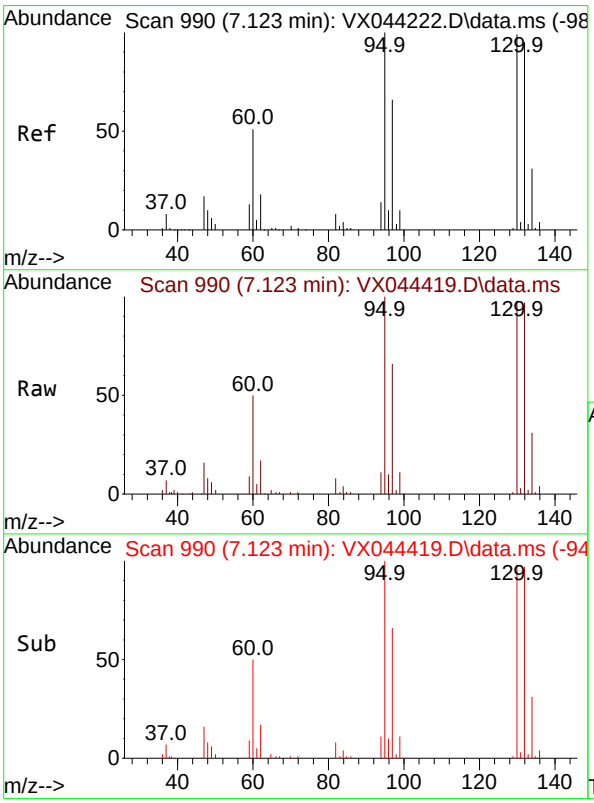

#43
Isopropyl Acetate
Concen: 53.759 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 203865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 14.2 | 21.2 |
| 87 | 12.6 | 10.2 | 15.2 |

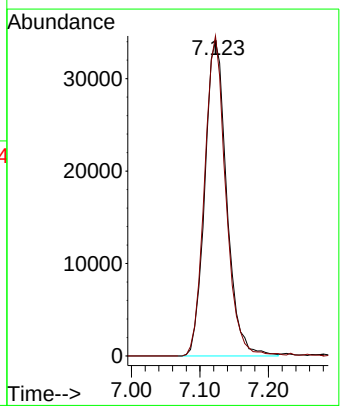


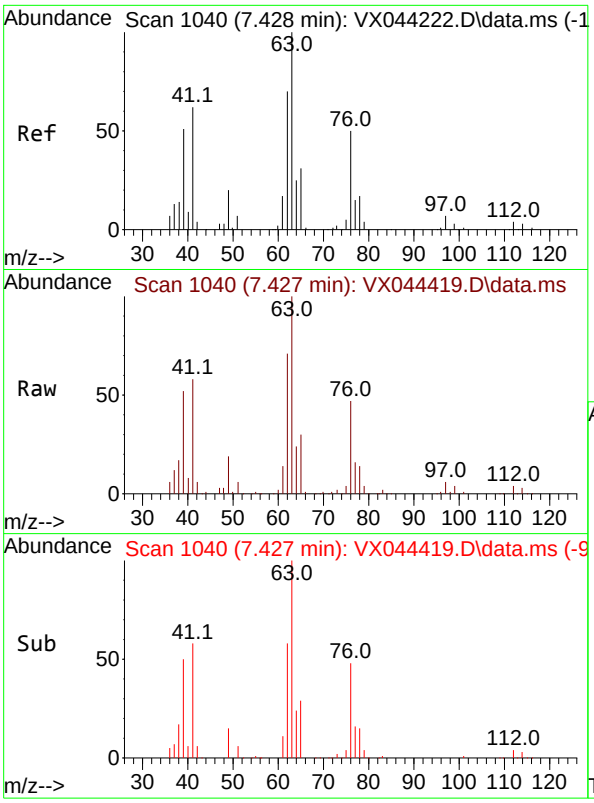




#44
Trichloroethene
Concen: 50.868 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:130 Resp: 75596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.6 | 0.0 | 201.4 |



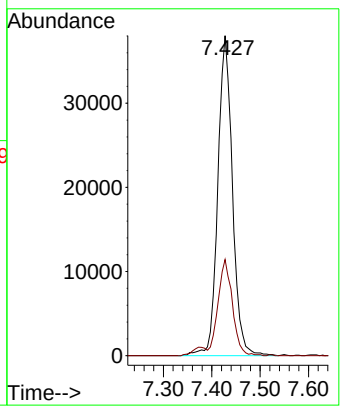


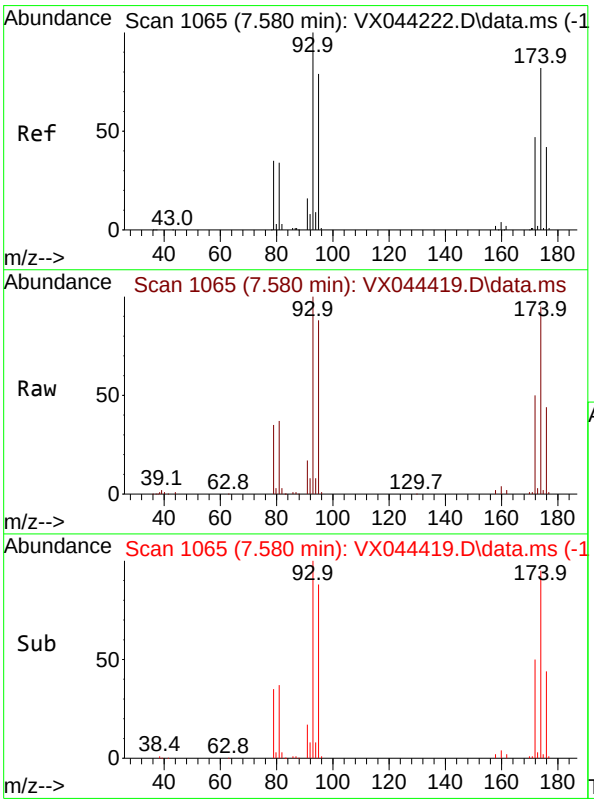

#45
1,2-Dichloropropane
Concen: 52.553 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 80013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.0 | 24.6 | 37.0 |

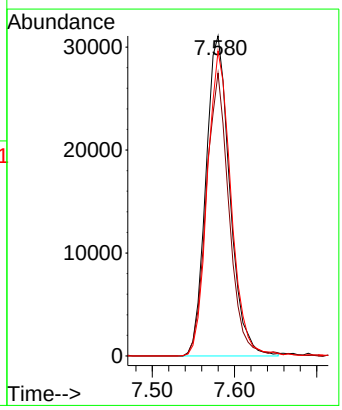


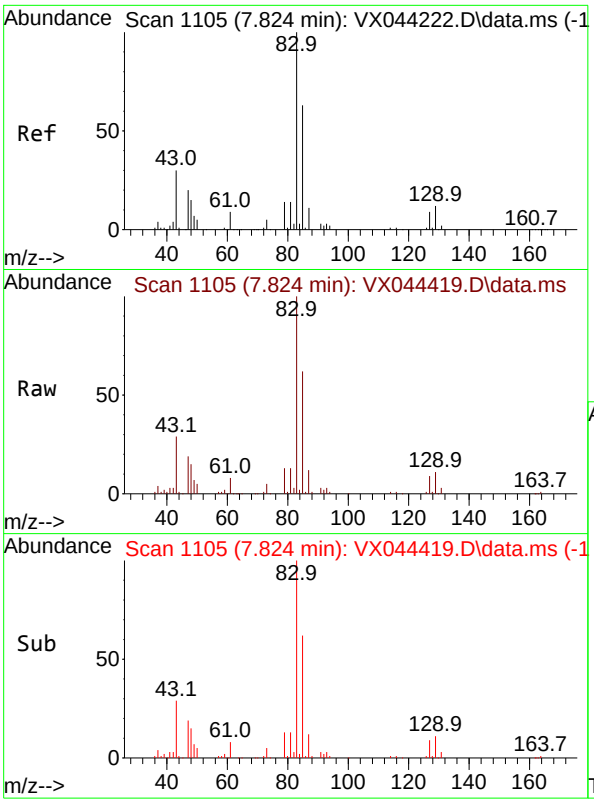




#46
Dibromomethane
Concen: 53.185 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 93 Resp: 62821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.7 | 65.4 | 98.2 |
| 174 | 94.7 | 67.9 | 101.9 |



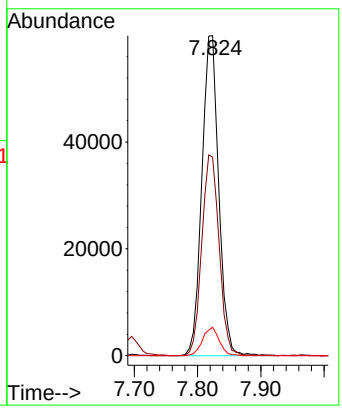


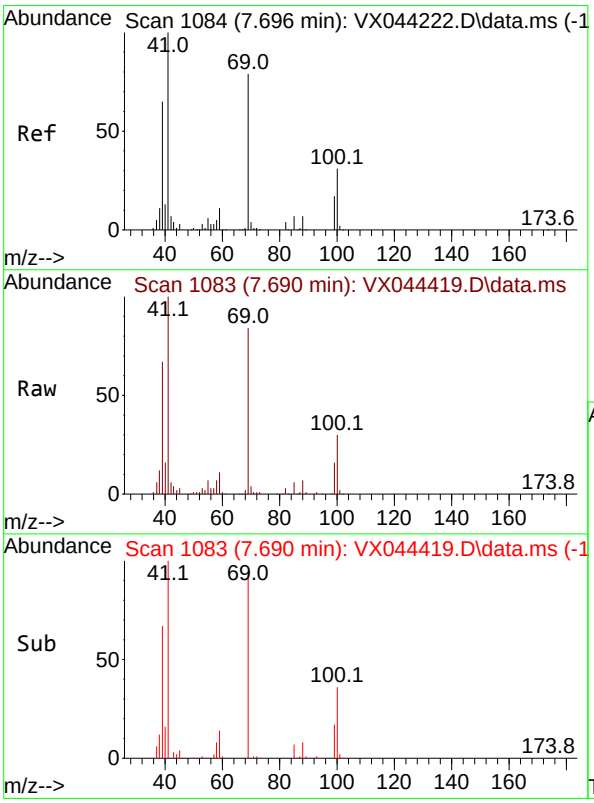

#47
Bromodichloromethane
Concen: 54.439 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 111053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.1 | 50.6 | 75.8 |
| 127 | 8.9 | 7.3 | 10.9 |

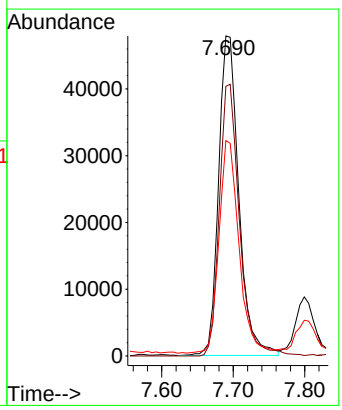


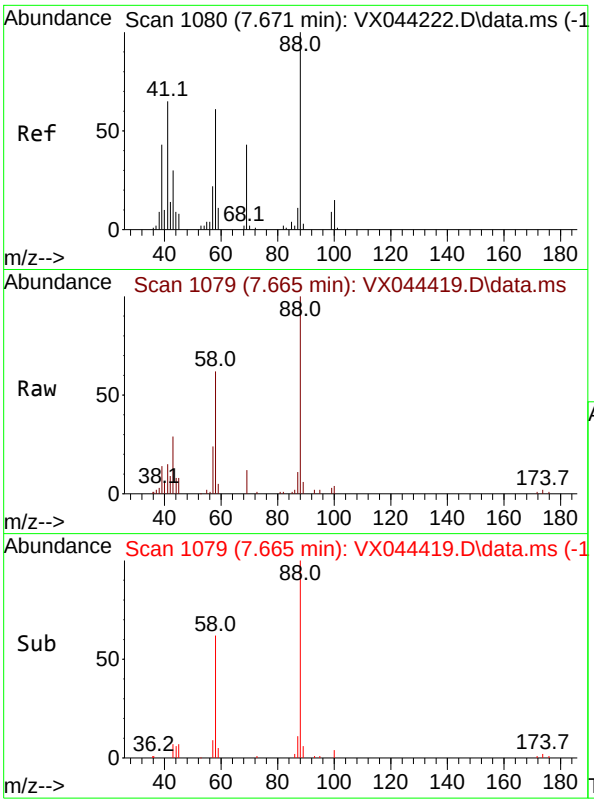




#48
Methyl methacrylate
Concen: 50.984 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 41 Resp: 93853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.8 | 62.4 | 93.6 |
| 39 | 65.7 | 53.3 | 79.9 |



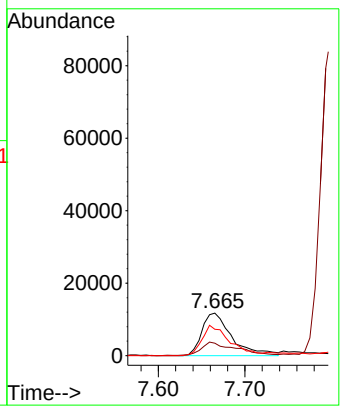


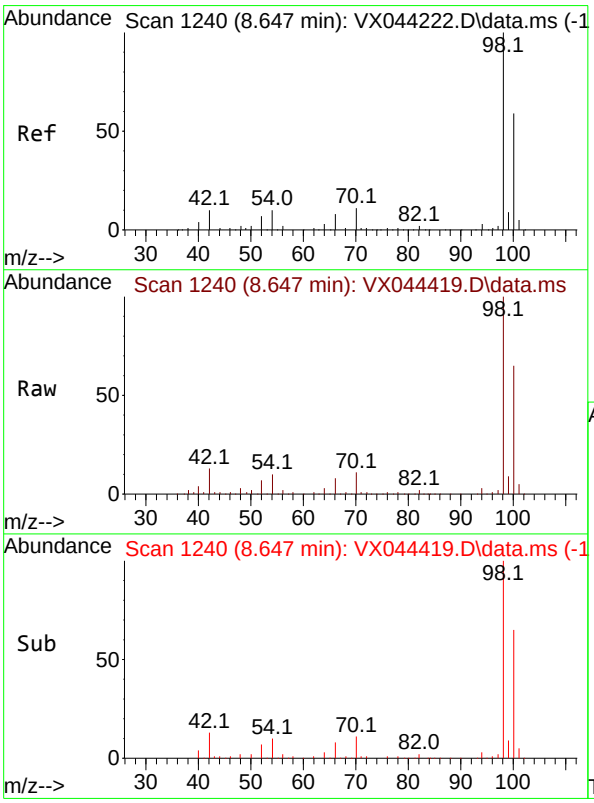

#49
1,4-Dioxane
Concen: 927.969 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 28322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.9 | 27.1 | 40.7 |
| 58 | 65.7 | 41.0 | 61.4# |

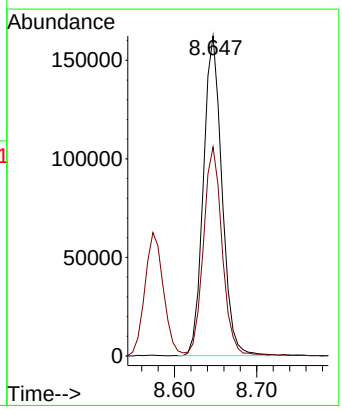


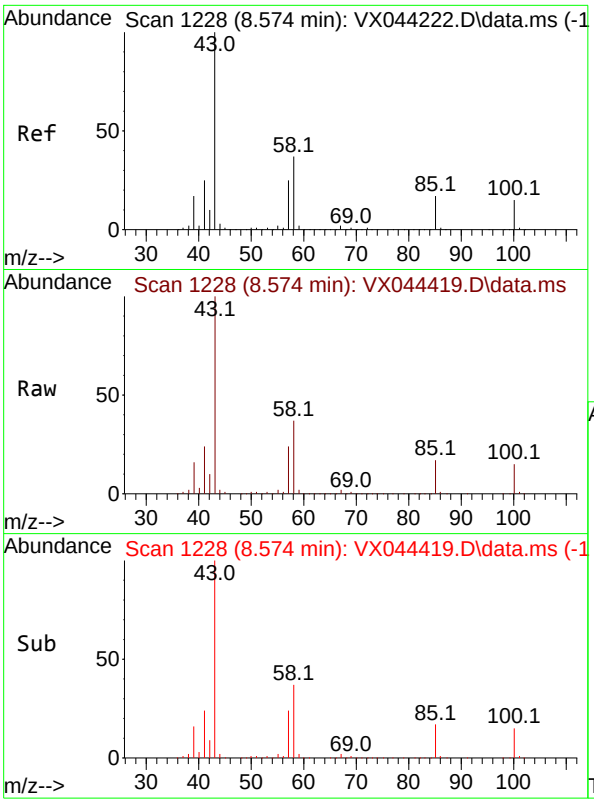




#50
Toluene-d8
Concen: 49.641 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 98 Resp: 254301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.9 | 51.5 | 77.3 |



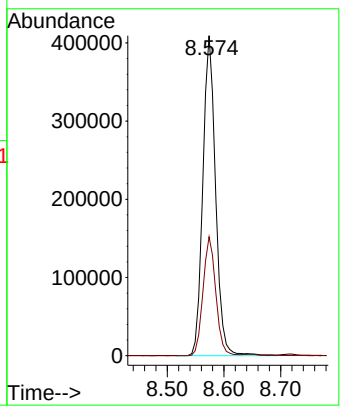


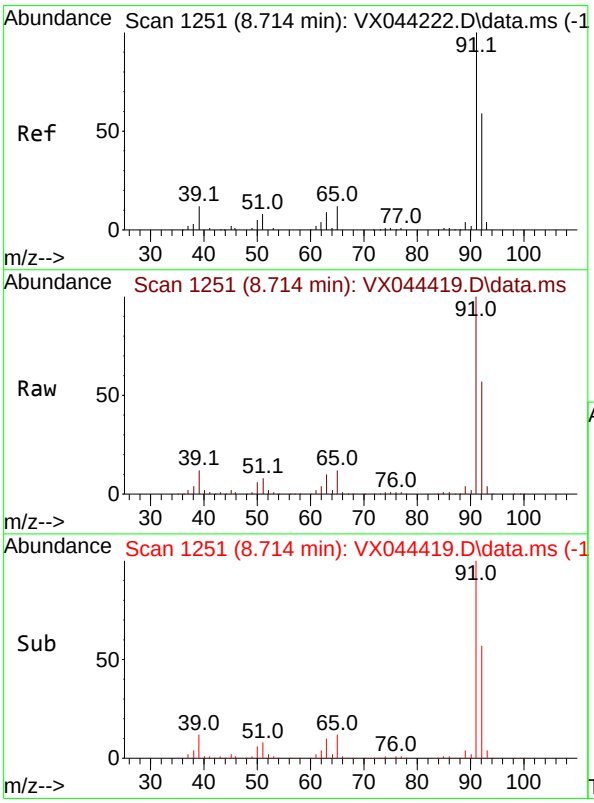

#51
4-Methyl-2-Pentanone
Concen: 261.345 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 637240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 29.4 | 44.0 |

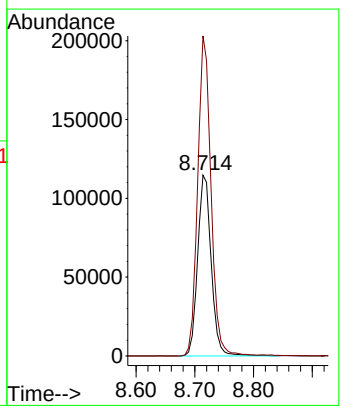


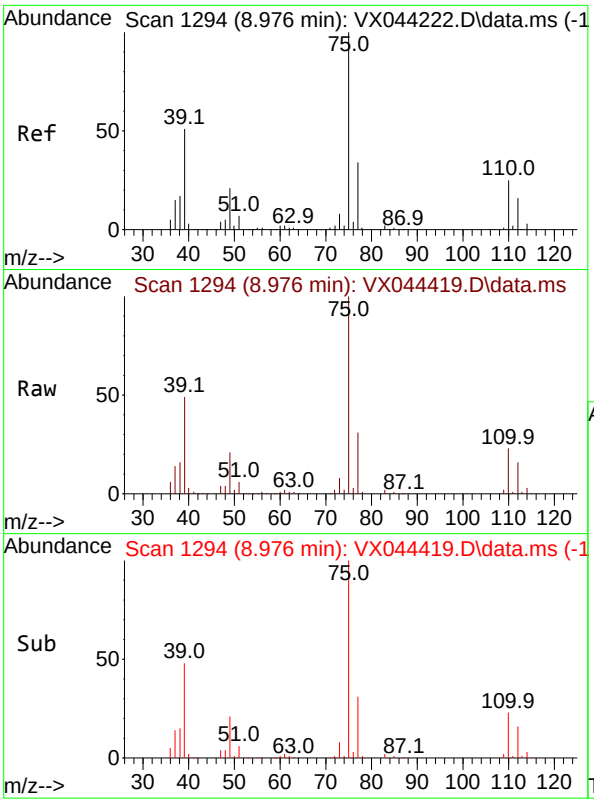




#52
Toluene
Concen: 49.148 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 92 Resp: 183930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.8 | 137.0 | 205.6 |



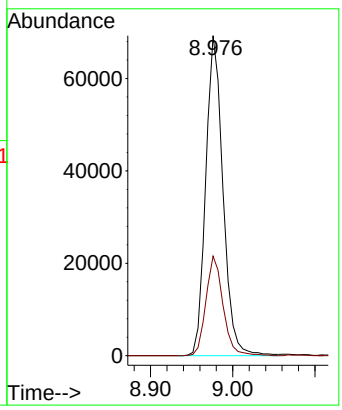


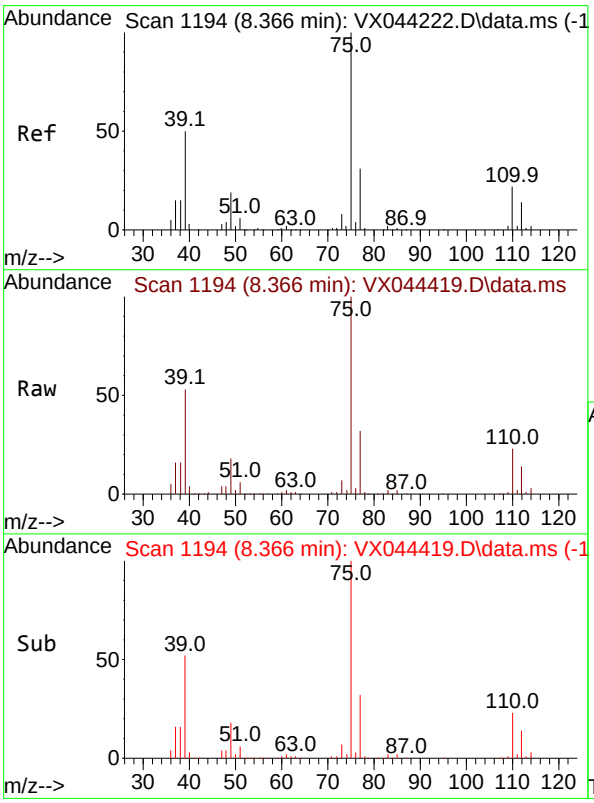

#53
t-1,3-Dichloropropene
Concen: 46.368 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 100994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 27.2 | 40.8 |

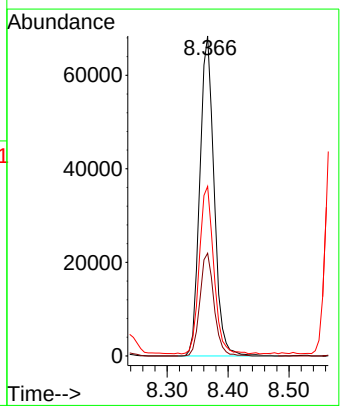


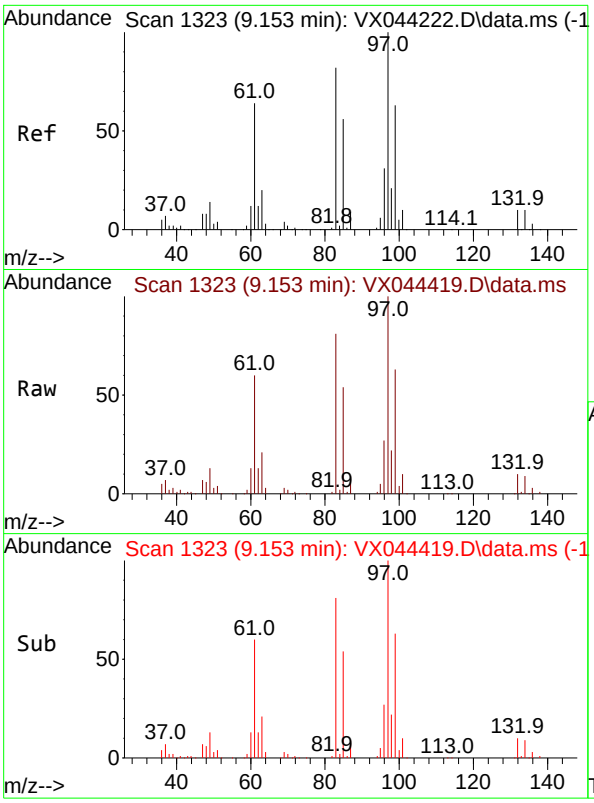




#54
cis-1,3-Dichloropropene
Concen: 50.228 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 75 Resp: 111565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 24.7 | 37.1 |
| 39 | 52.3 | 40.3 | 60.5 |



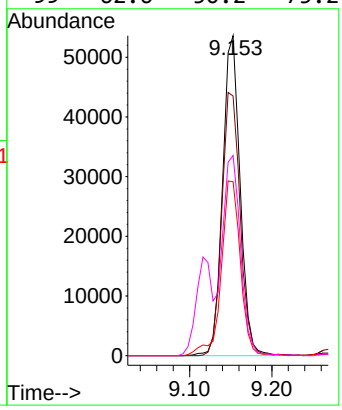


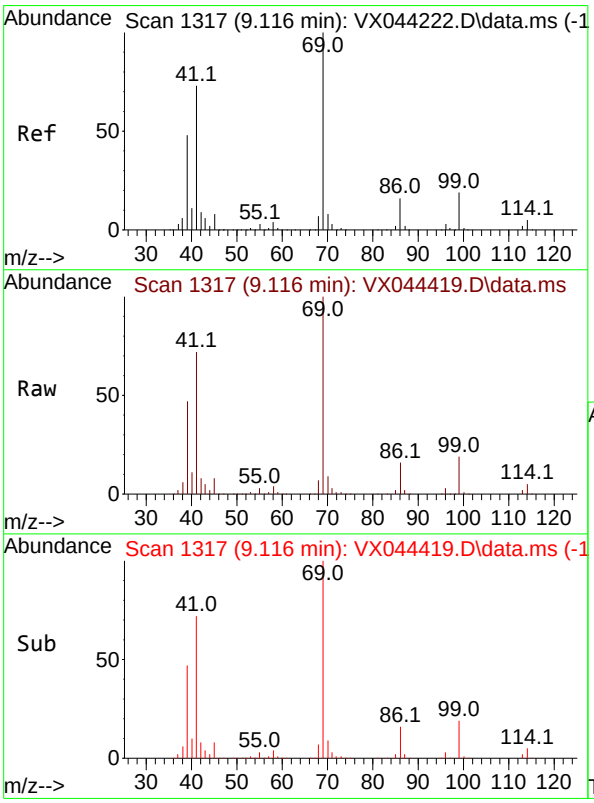

#55
1,1,2-Trichloroethane
Concen: 53.407 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 79401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.2 | 65.3 | 97.9 |
| 85 | 54.4 | 44.6 | 67.0 |
| 99 | 62.6 | 50.2 | 75.2 |

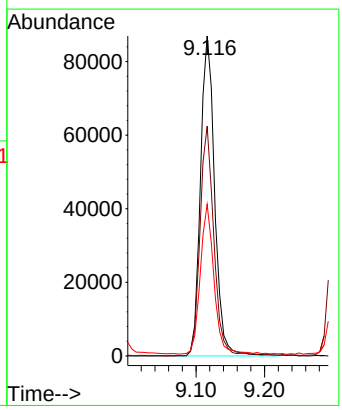


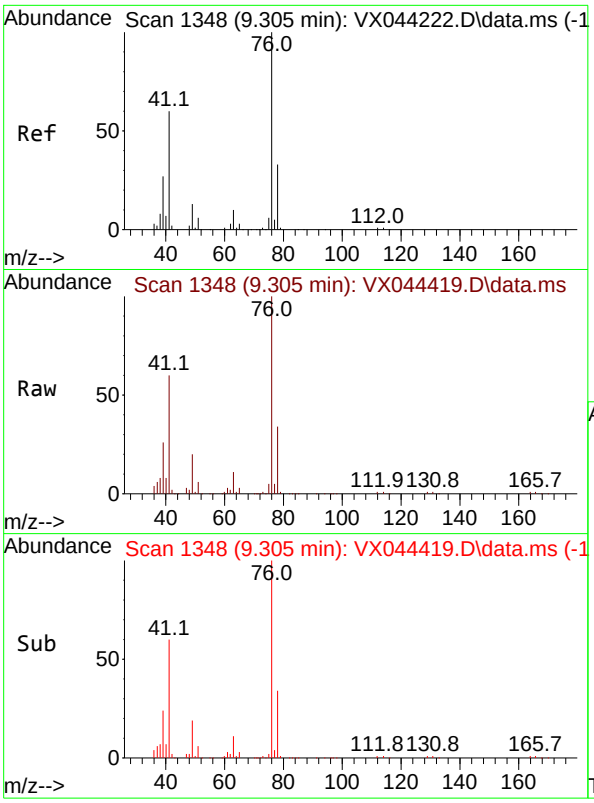




#56
Ethyl methacrylate
Concen: 53.432 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 69 Resp: 125407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.9 | 56.6 | 85.0 |
| 39 | 45.7 | 37.4 | 56.0 |



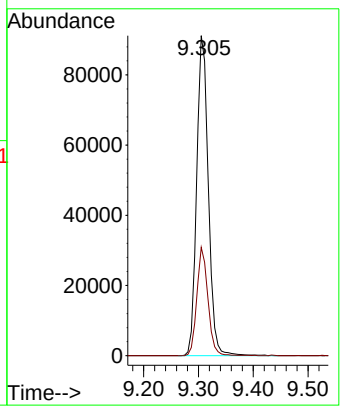


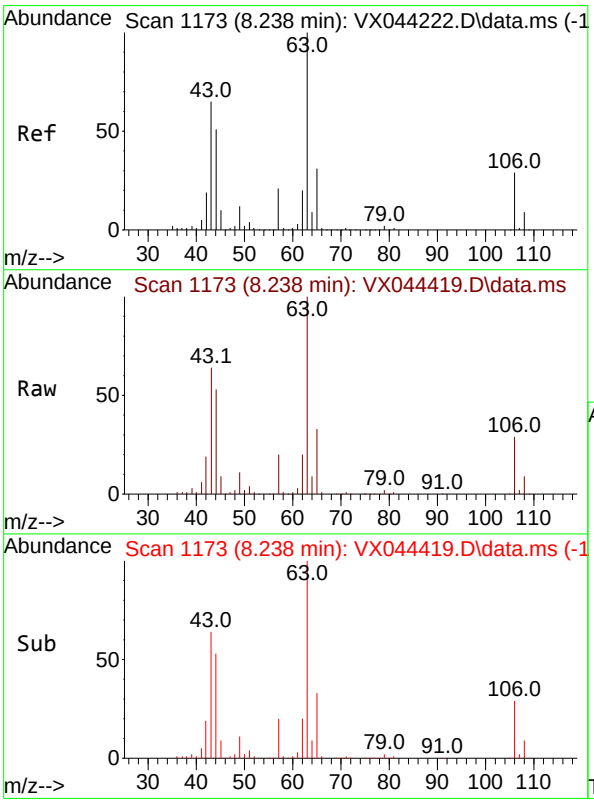

#57
1,3-Dichloropropane
Concen: 52.210 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 135107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.5 | 39.7 |

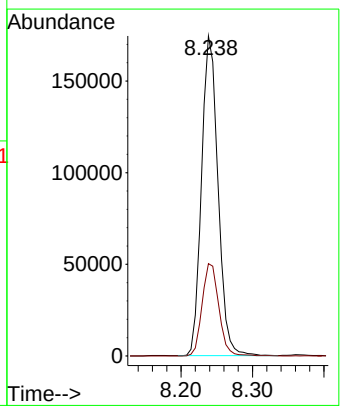


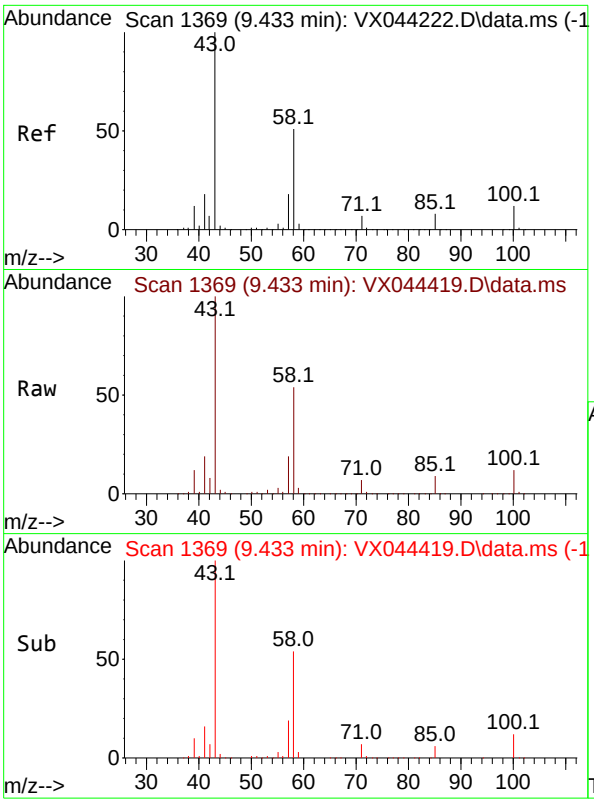




#58
2-Chloroethyl Vinyl ether
Concen: 235.938 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 63 Resp: 279300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.3 | 22.8 | 34.2 |



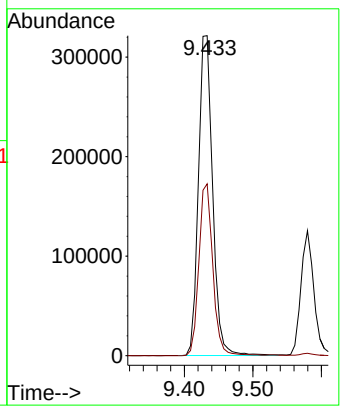


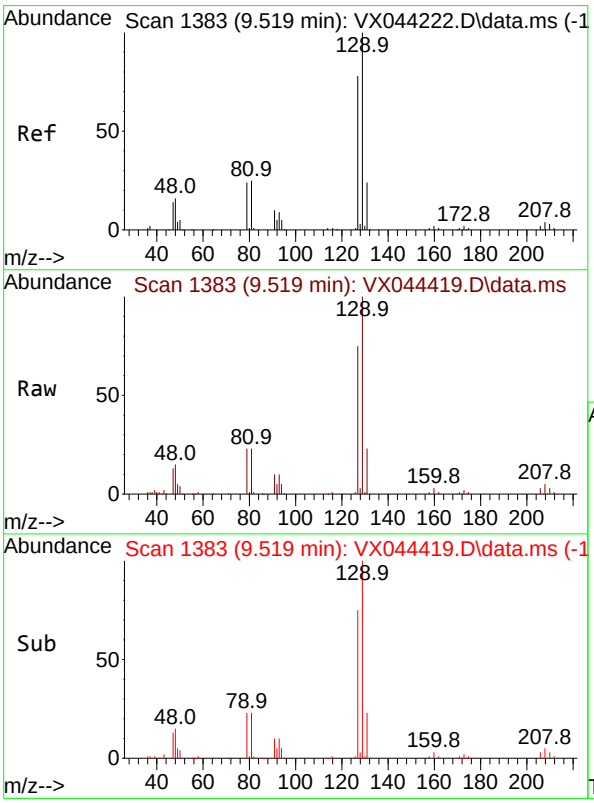

#59
2-Hexanone
Concen: 263.434 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 464936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 25.7 | 77.0 |

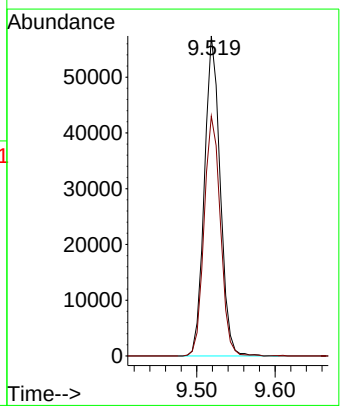


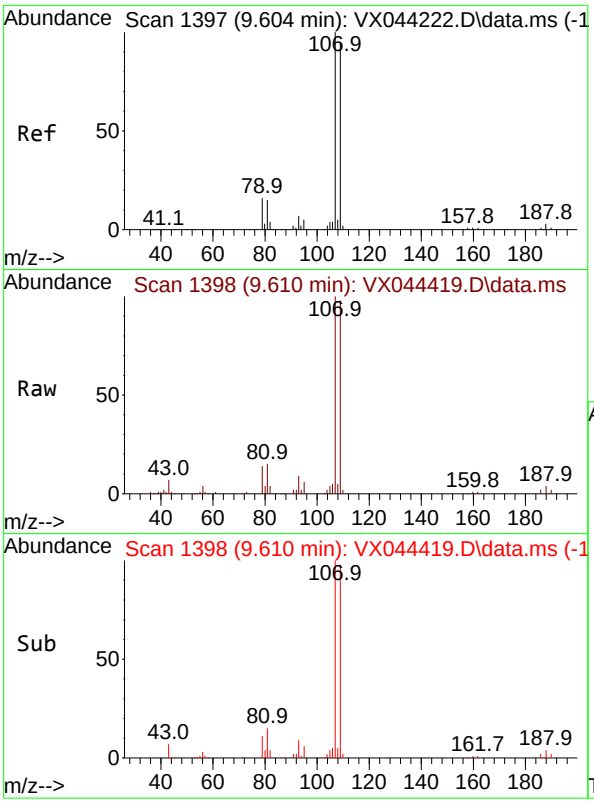




#60
Dibromochloromethane
Concen: 50.717 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:129 Resp: 79931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.5 | 38.5 | 115.3 |



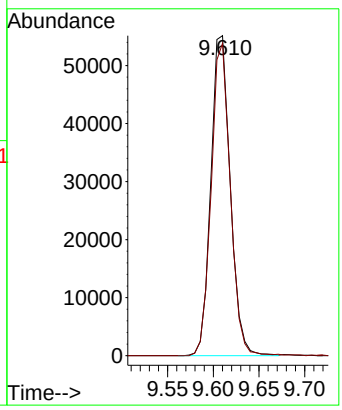


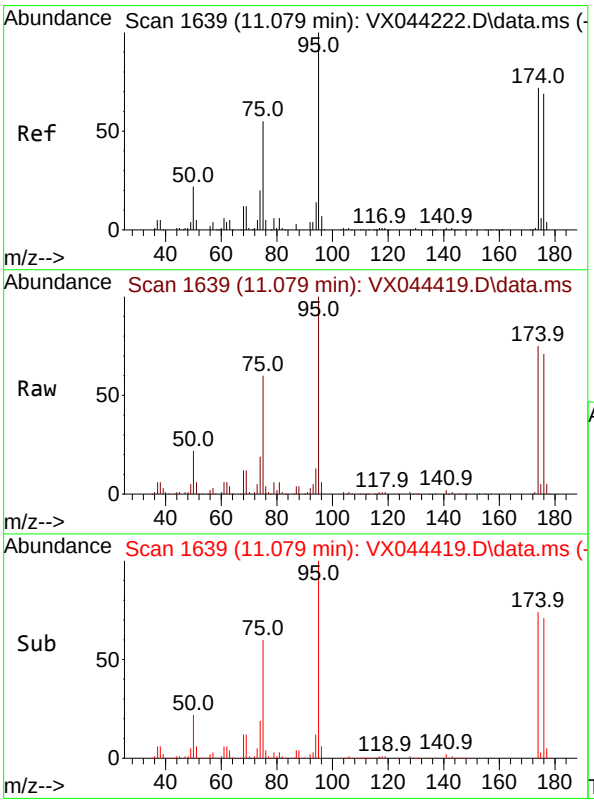

#61
1,2-Dibromoethane
Concen: 54.026 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 81759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.1 | 77.0 | 115.4 |

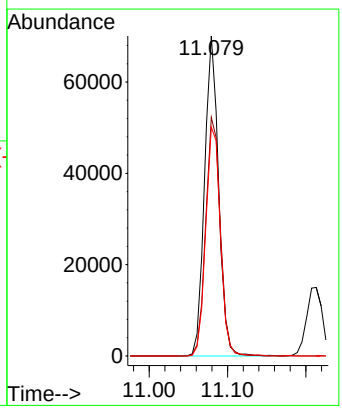


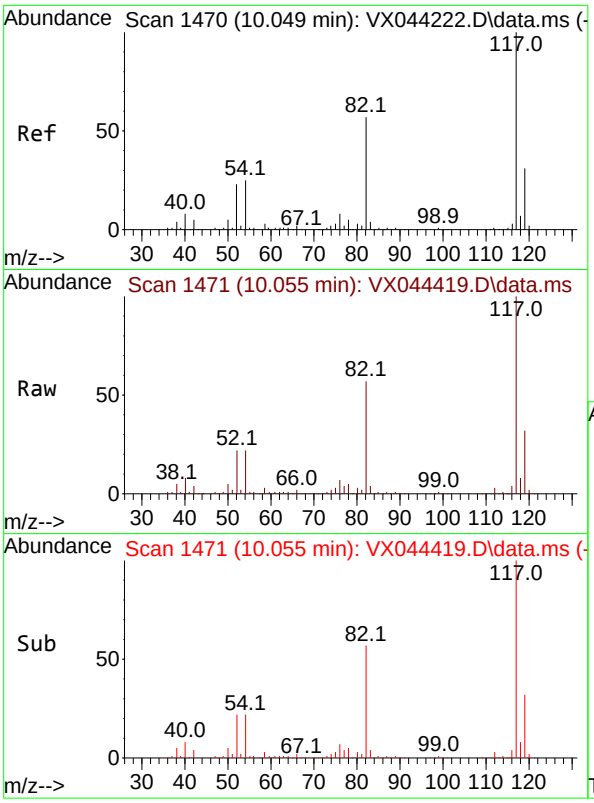




#62
4-Bromofluorobenzene
Concen: 48.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 95 Resp: 86833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.0 | 0.0 | 145.8 |
| 176 | 74.8 | 0.0 | 137.8 |



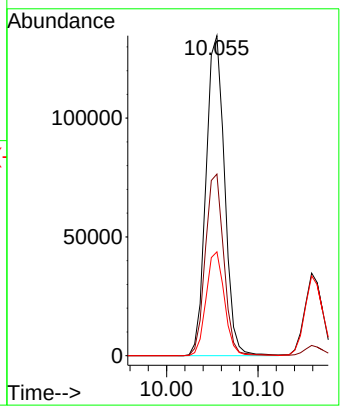


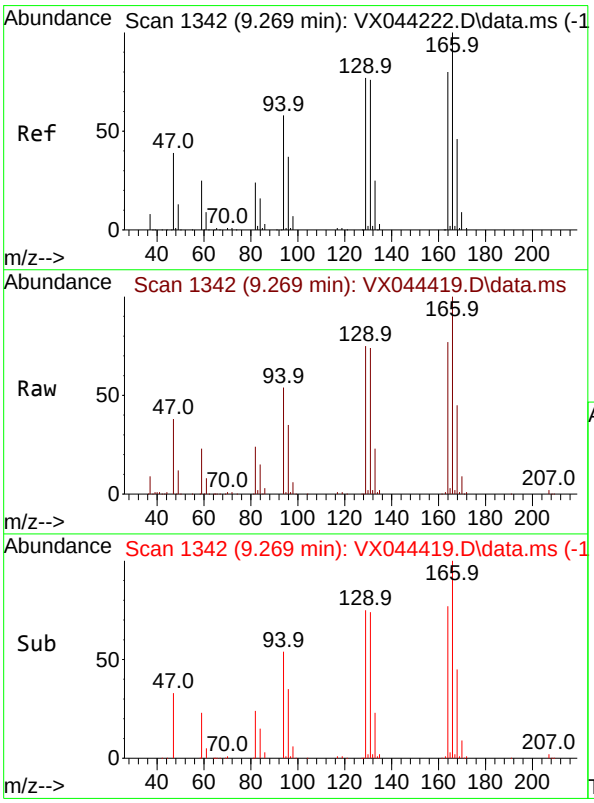

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 189779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.7 | 45.8 | 68.8 |
| 119 | 32.5 | 25.0 | 37.4 |

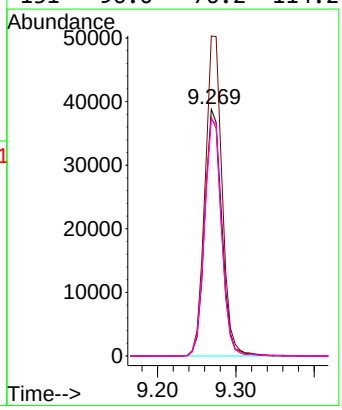


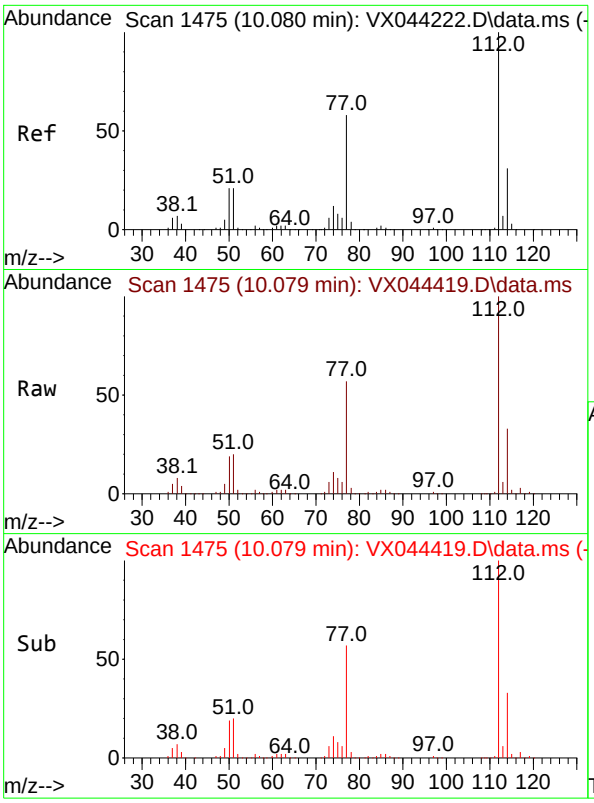




#64
Tetrachloroethene
Concen: 46.221 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:164 Resp: 58220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.7 | 100.4 | 150.6 |
| 129 | 96.7 | 77.2 | 115.8 |
| 131 | 96.0 | 76.2 | 114.2 |



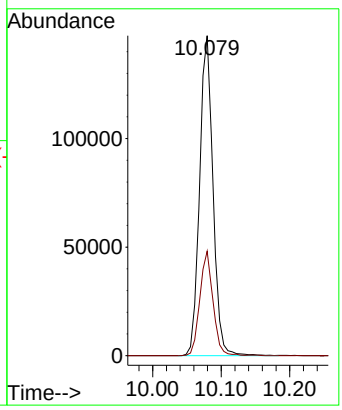


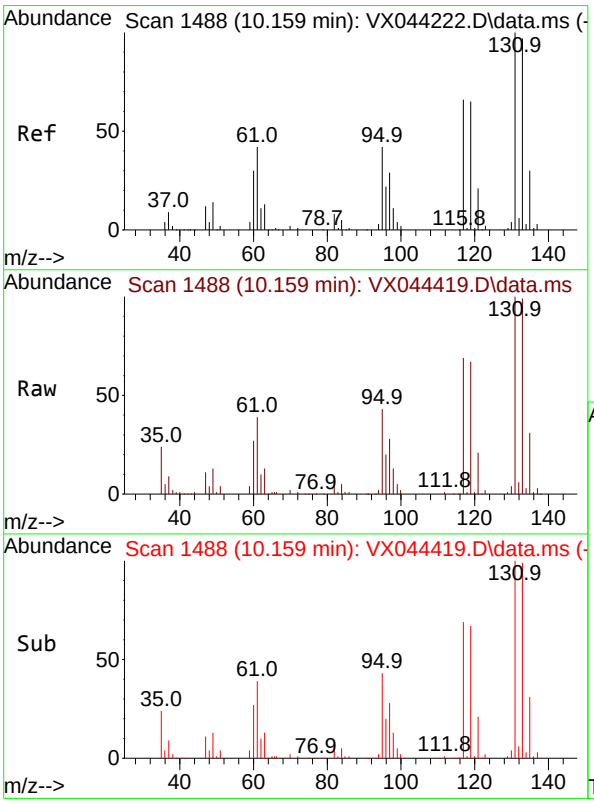

#65
Chlorobenzene
Concen: 49.379 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 200803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.7 | 25.0 | 37.6 |

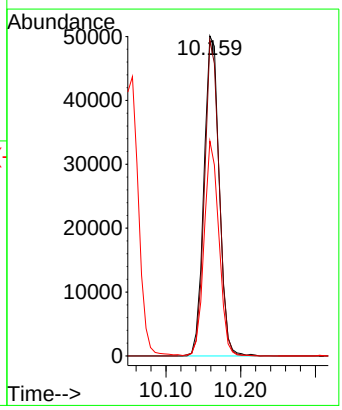


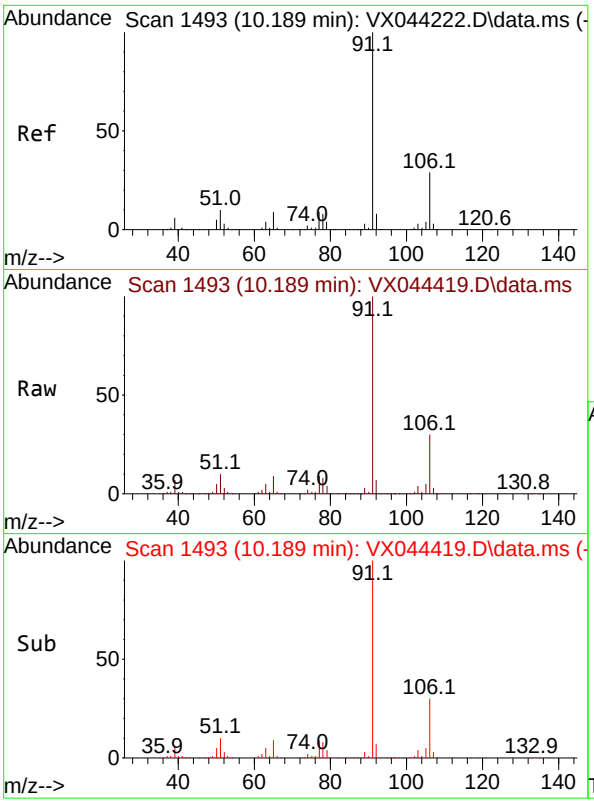




#66
1,1,1,2-Tetrachloroethane
Concen: 54.398 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:131 Resp: 71094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.3 | 47.3 | 141.8 |
| 119 | 64.9 | 31.6 | 95.0 |



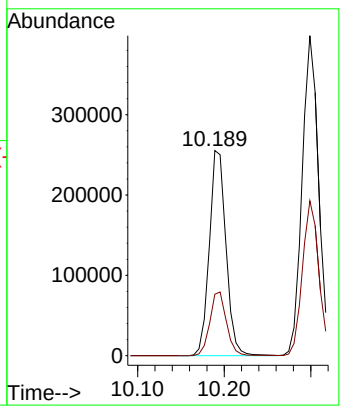


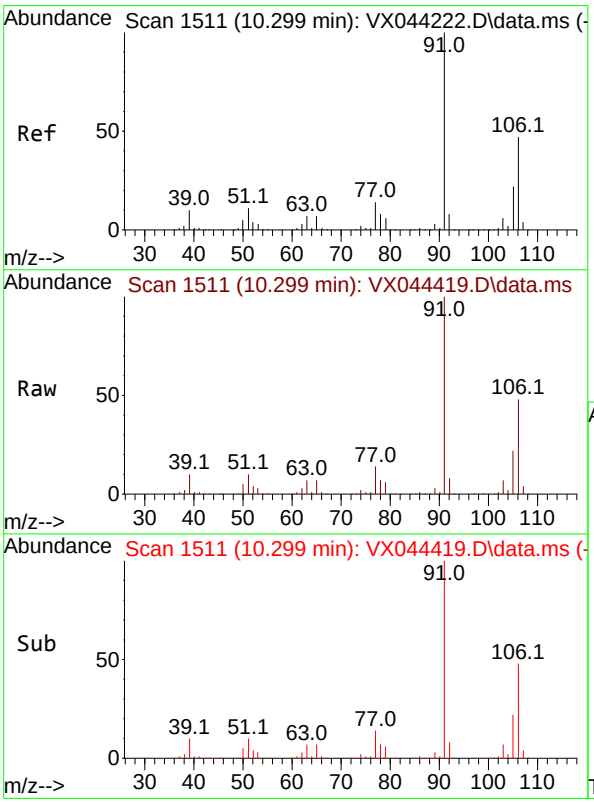

#67
Ethyl Benzene
Concen: 48.644 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 341788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 23.5 | 35.3 |

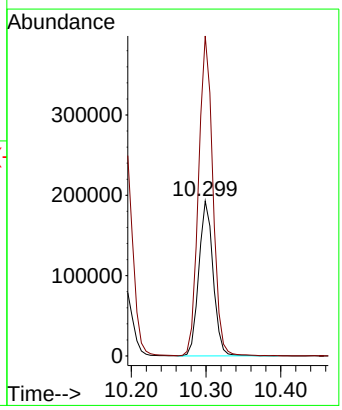


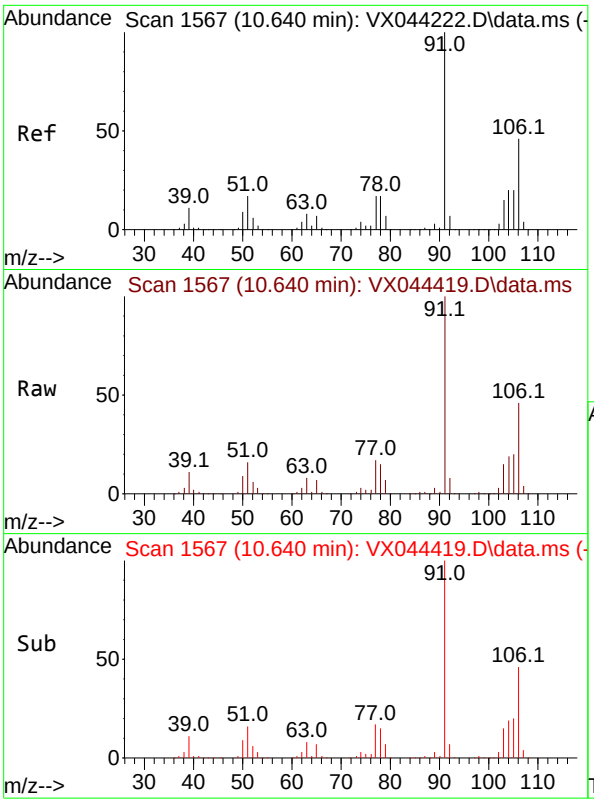




#68
m/p-Xylenes
Concen: 99.414 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:106 Resp: 256314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.5 | 170.2 | 255.2 |



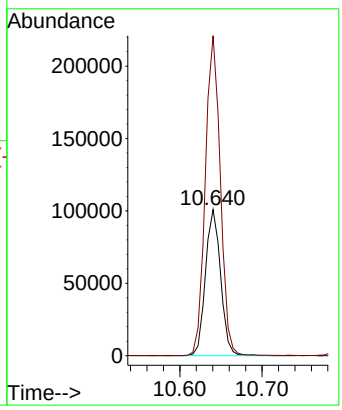


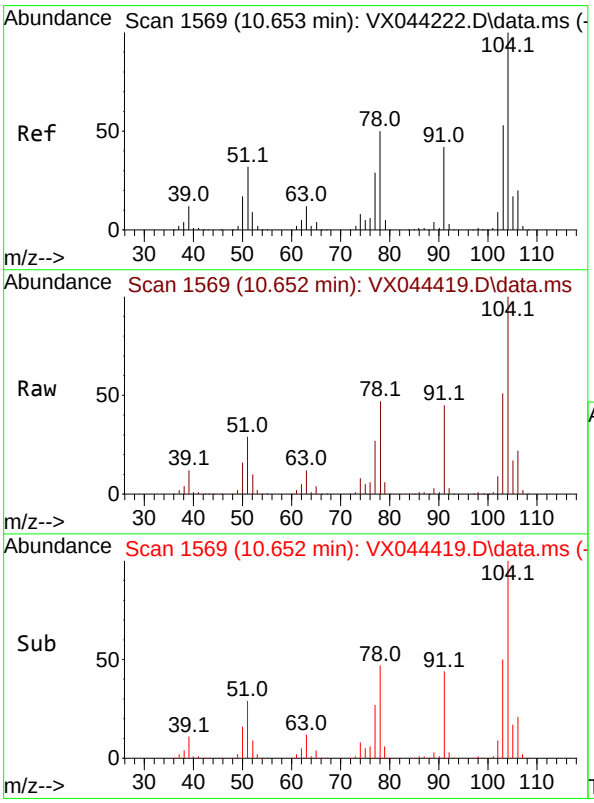

#69
o-Xylene
Concen: 49.398 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 128864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.0 | 112.3 | 337.0 |

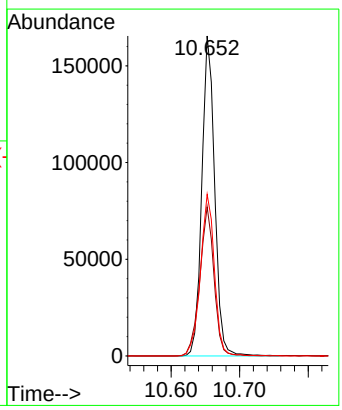


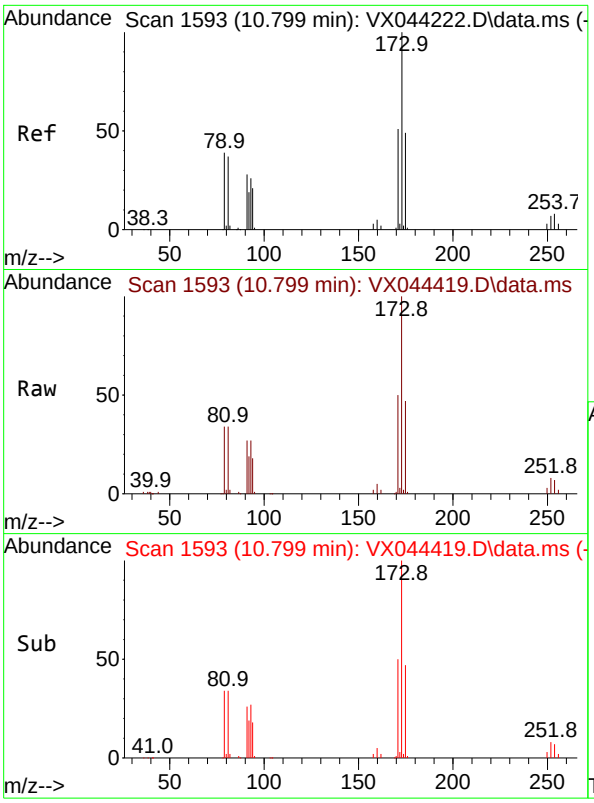




#70
Styrene
Concen: 51.842 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:104 Resp: 216799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.3 | 44.6 | 67.0 |
| 103 | 55.1 | 45.4 | 68.0 |



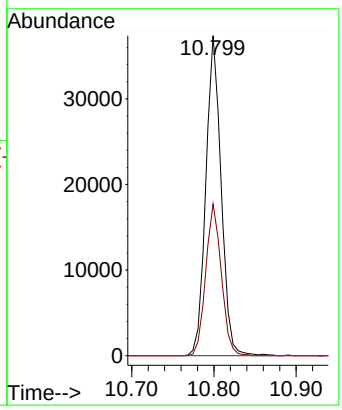


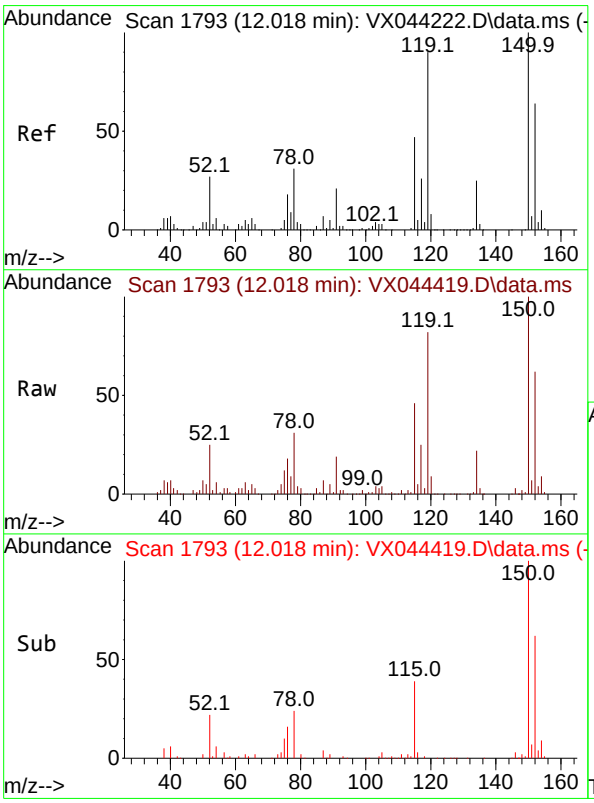

#71
Bromoform
Concen: 52.457 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 48213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

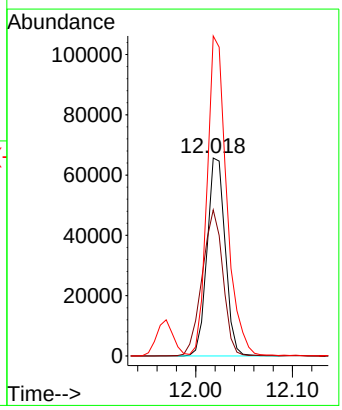


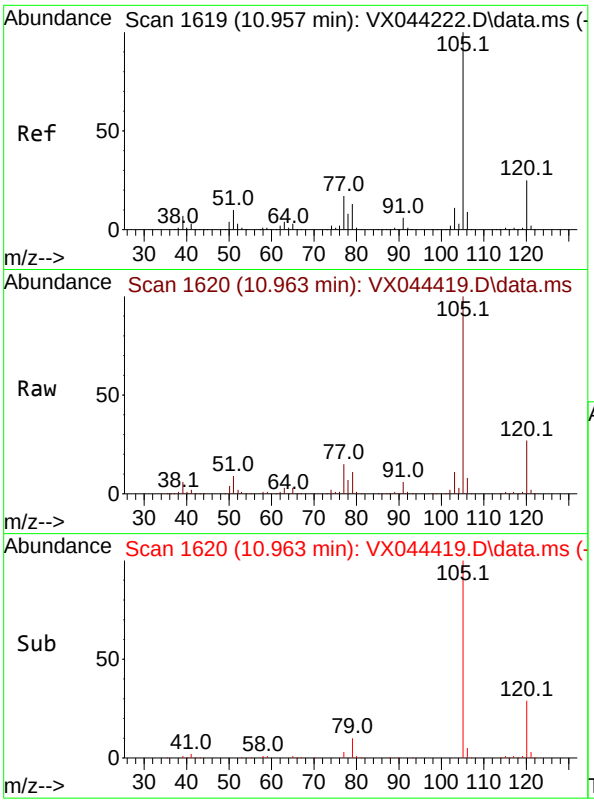




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:152 Resp: 85459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.8 | 44.5 | 133.3 |
| 150 | 174.3 | 0.0 | 353.8 |



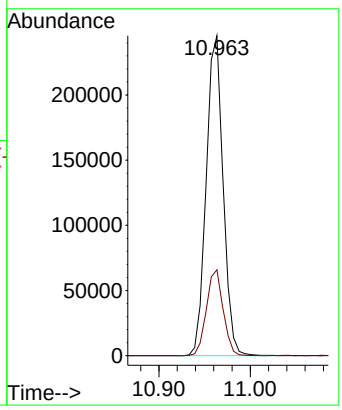


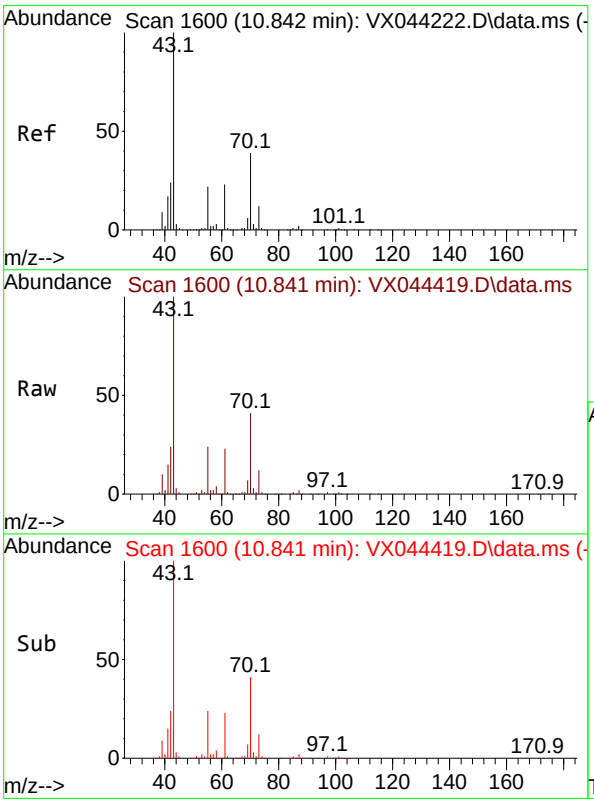

#73
Isopropylbenzene
Concen: 48.052 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 314366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 13.1 | 39.3 |

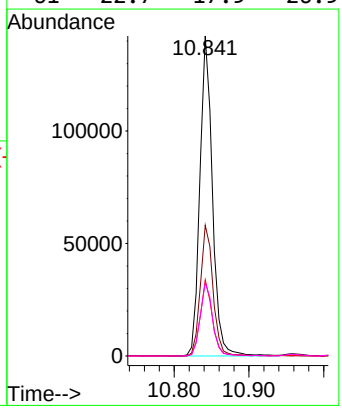


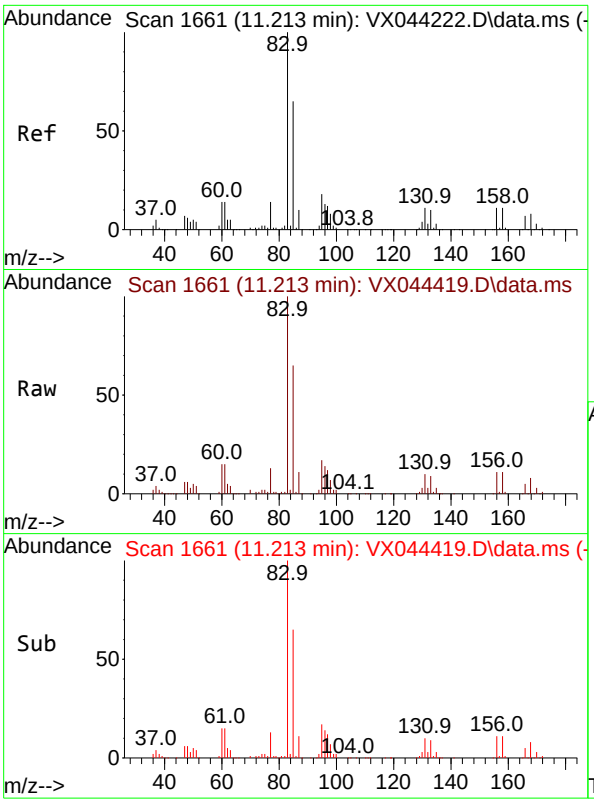




#74
N-amyl acetate
Concen: 55.002 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 43 Resp: 166301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 31.9 | 47.9 |
| 55 | 22.9 | 17.9 | 26.9 |
| 61 | 22.7 | 17.9 | 26.9 |



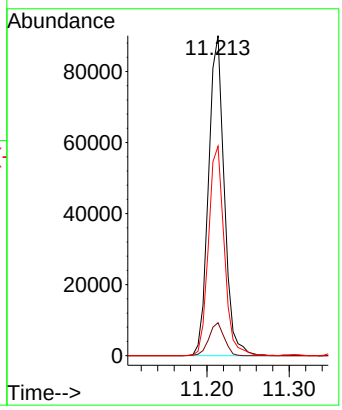


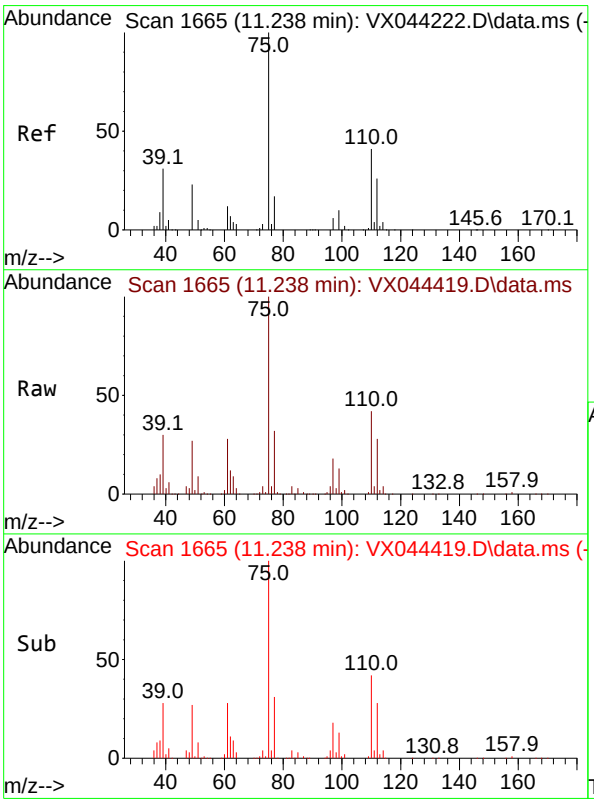

#75
1,1,2,2-Tetrachloroethane
Concen: 52.663 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 119667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.1 | 15.4 |
| 85 | 65.5 | 32.5 | 97.4 |

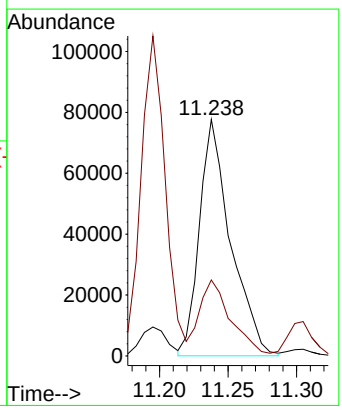


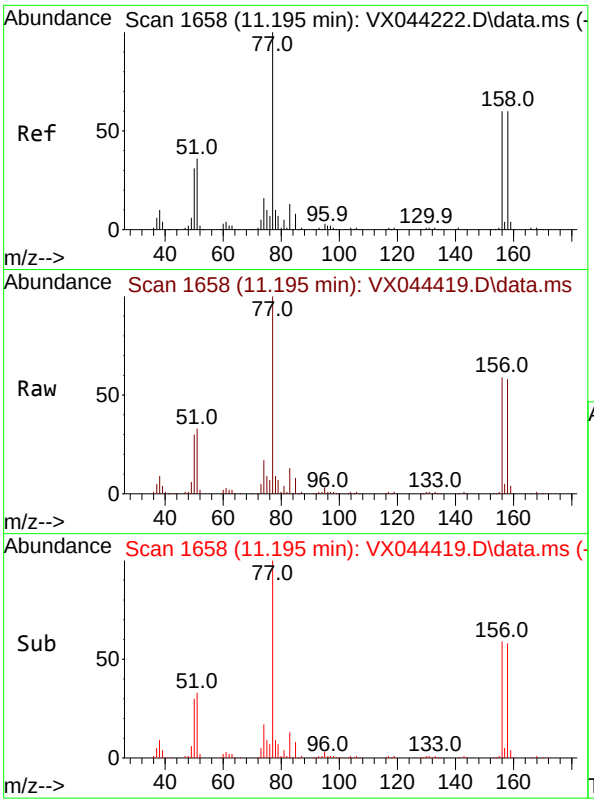




#76
1,2,3-Trichloropropane
Concen: 64.495 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 75 Resp: 123063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 20.9 | 62.7 |



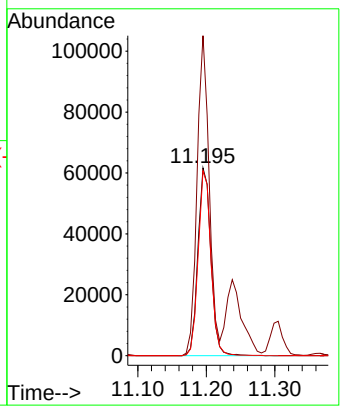


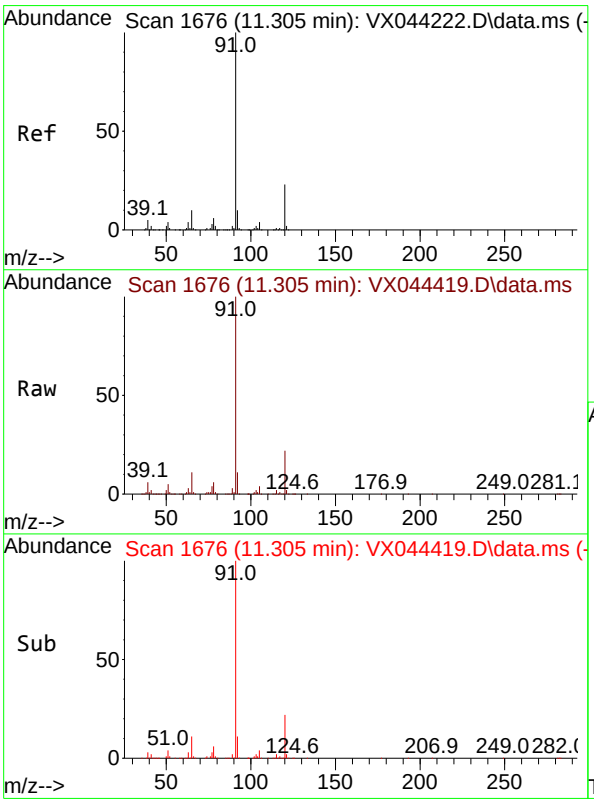

#77
Bromobenzene
Concen: 51.162 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 81167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 160.0 | 82.6 | 247.8 |
| 158 | 96.8 | 48.8 | 146.4 |

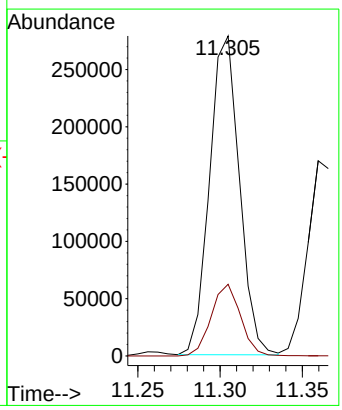


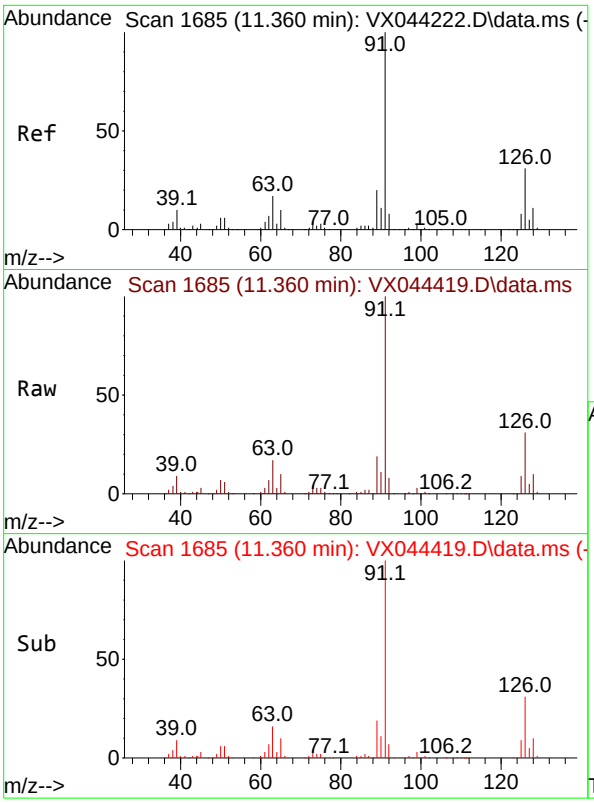




#78
n-propylbenzene
Concen: 48.614 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 91 Resp: 351524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.0 | 33.0 |



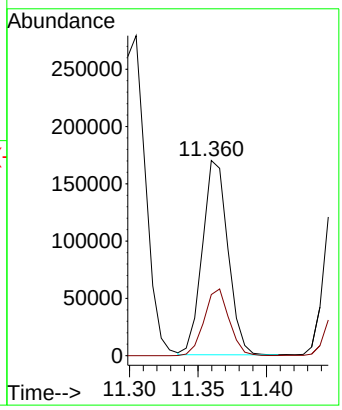


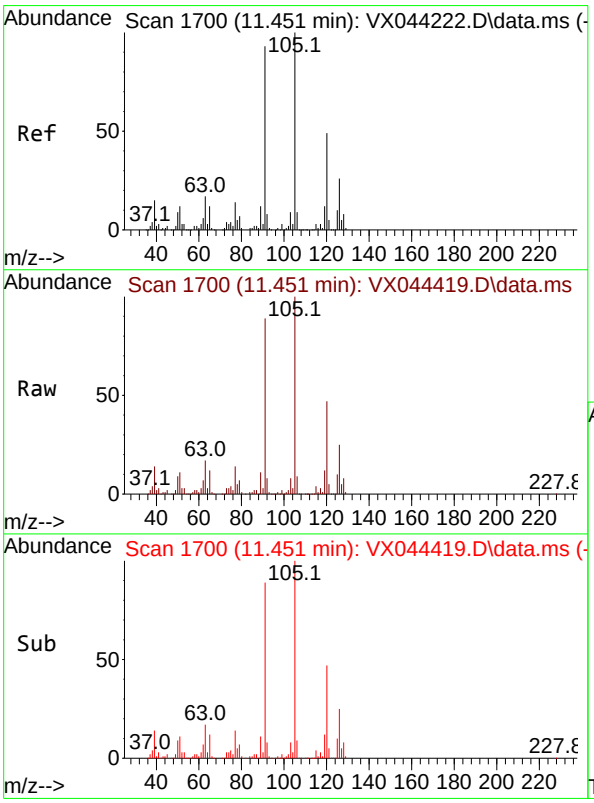

#79
2-Chlorotoluene
Concen: 47.194 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 220699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.4 | 49.1 |

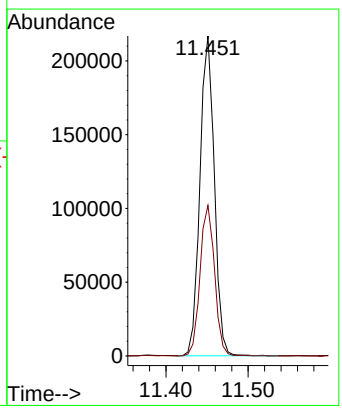


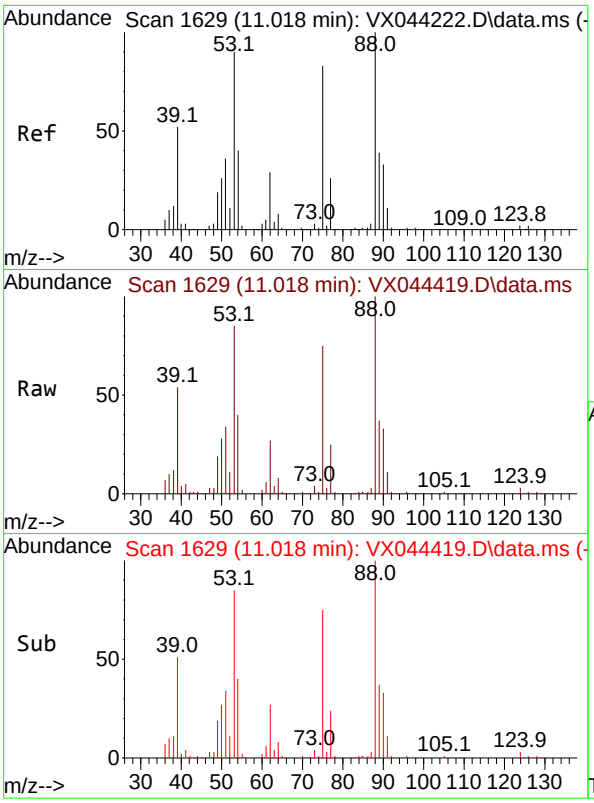




#80
1,3,5-Trimethylbenzene
Concen: 48.573 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:105 Resp: 263525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 23.8 | 71.4 |



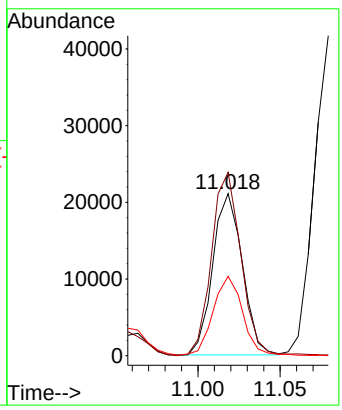


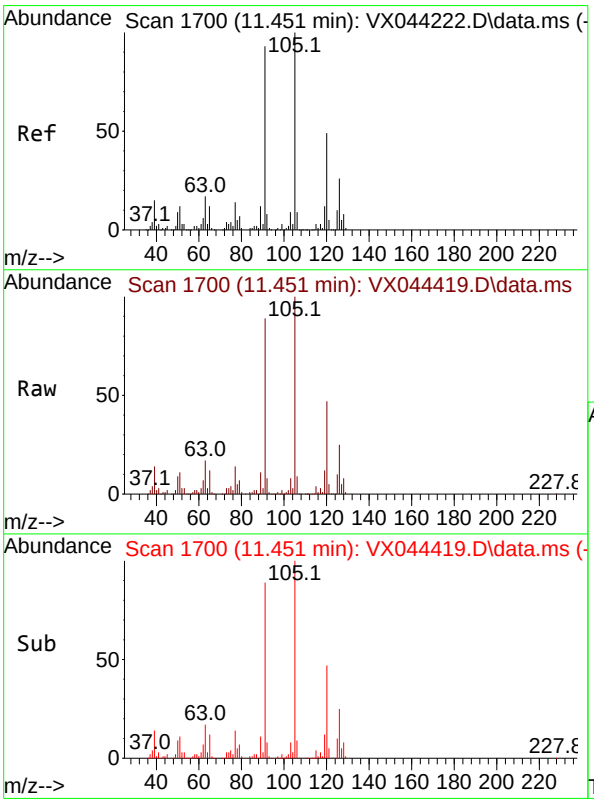

#81
trans-1,4-Dichloro-2-butene
Concen: 40.690 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 26316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.4 | 93.6 | 140.4 |
| 89 | 49.3 | 37.3 | 55.9 |

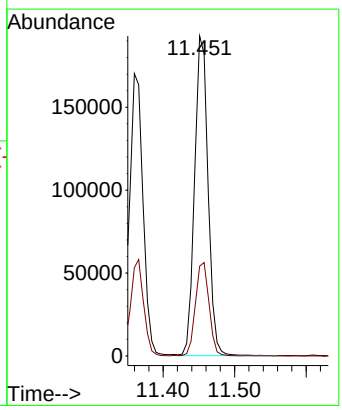


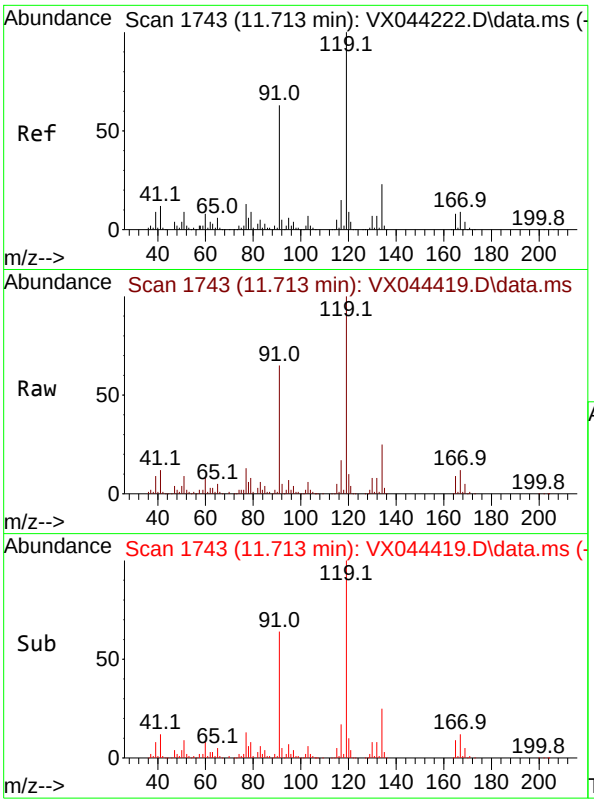




#82
4-Chlorotoluene
Concen: 48.639 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 91 Resp: 251878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.5 | 14.5 | 43.5 |



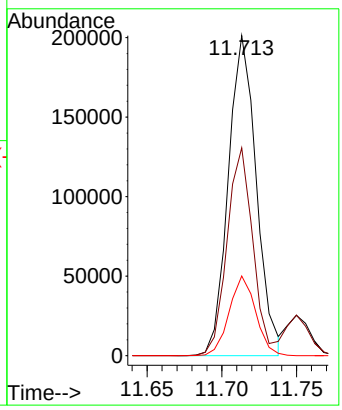


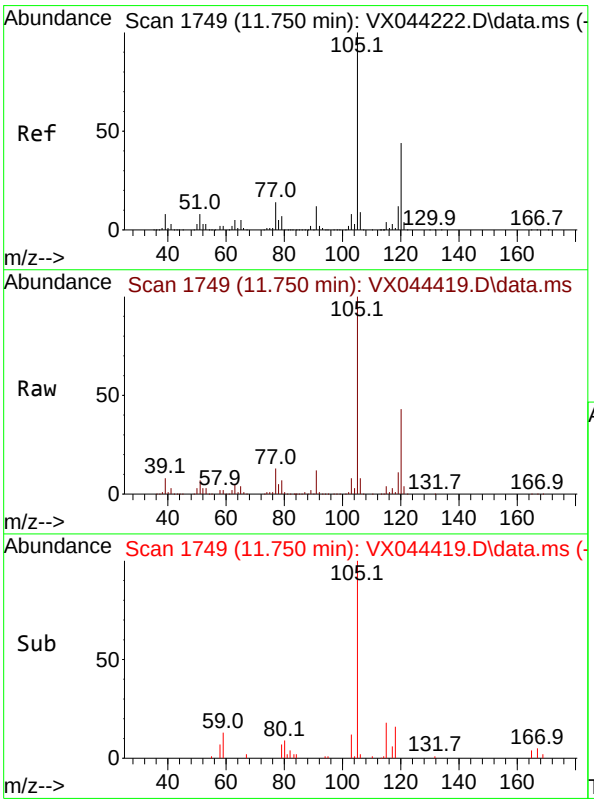

#83
tert-Butylbenzene
Concen: 48.951 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 262462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.4 | 30.9 | 92.5 |
| 134 | 23.5 | 11.5 | 34.4 |

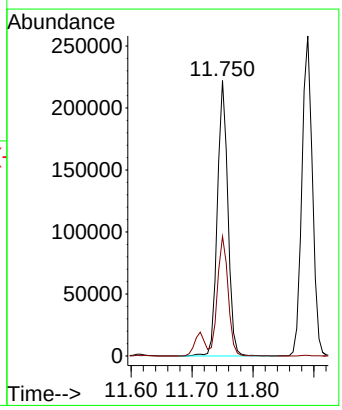


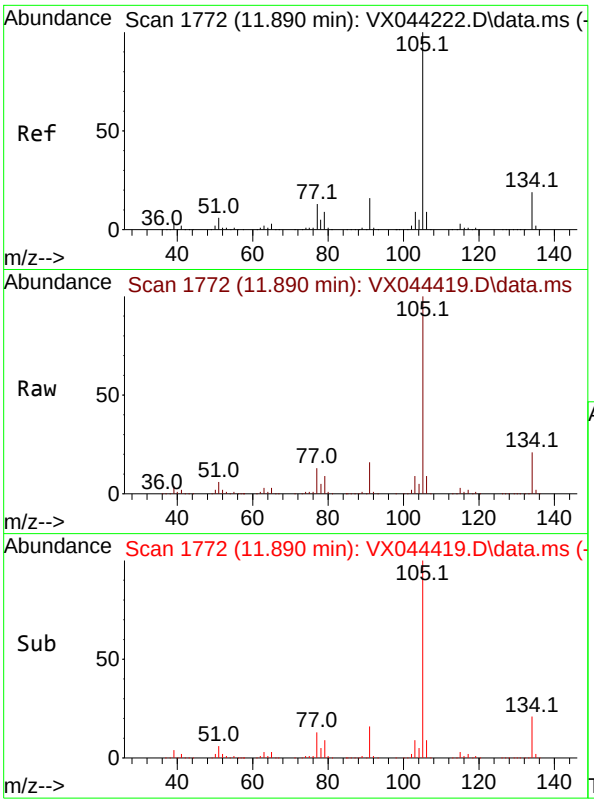




#84
1,2,4-Trimethylbenzene
Concen: 49.728 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:105 Resp: 264960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 21.7 | 65.1 |



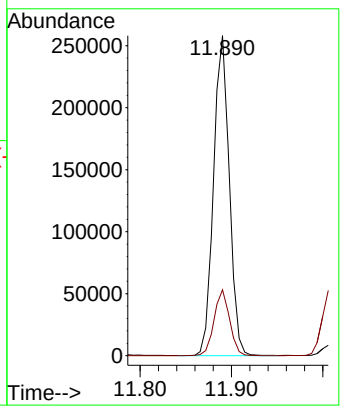


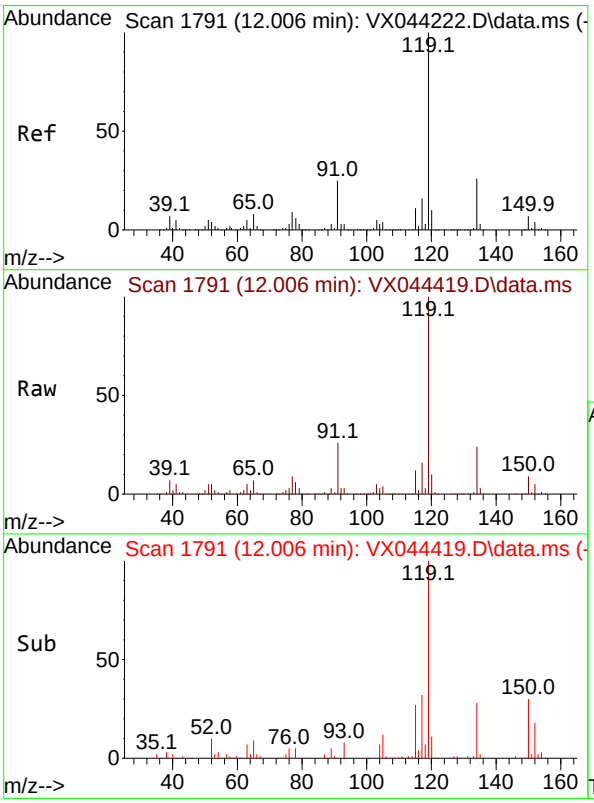

#85
sec-Butylbenzene
Concen: 47.411 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 308602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 9.8 | 29.4 |

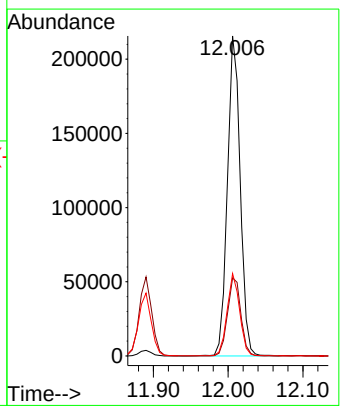


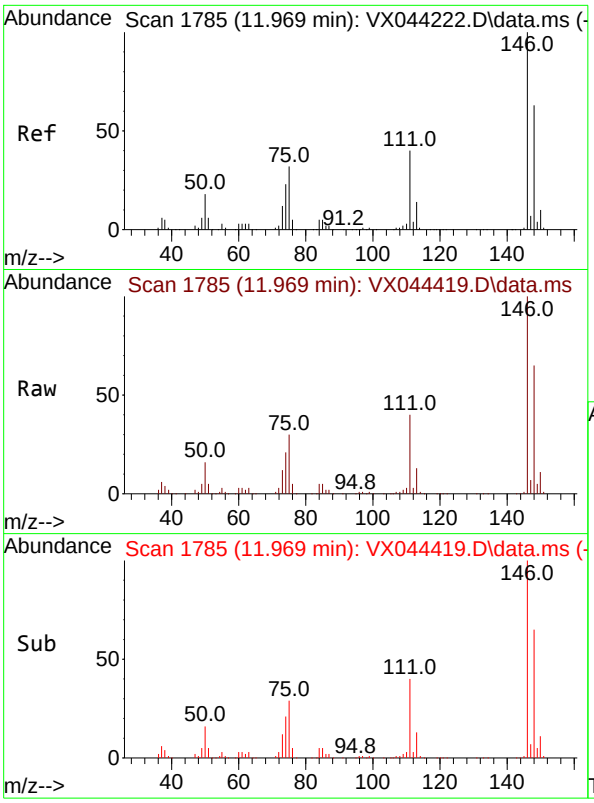




#86
p-Isopropyltoluene
Concen: 47.558 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:119 Resp: 257648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.5 | 12.8 | 38.4 |
| 91 | 25.0 | 13.0 | 39.0 |



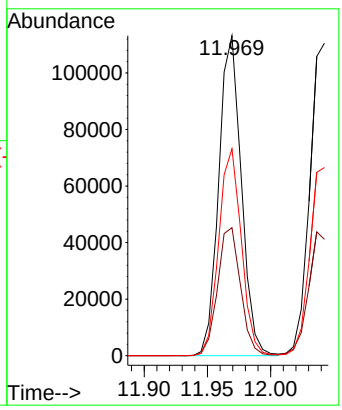


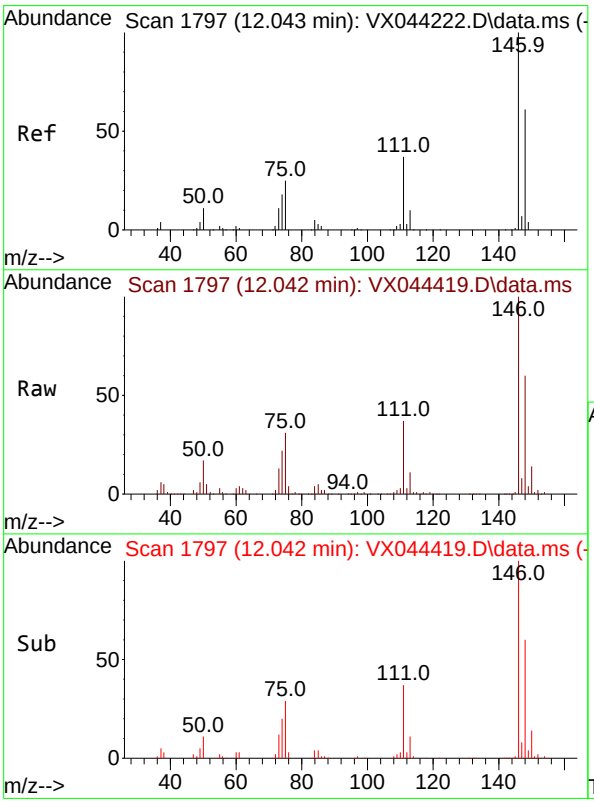

#87
1,3-Dichlorobenzene
Concen: 50.634 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 140315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 21.4 | 64.2 |
| 148 | 64.8 | 31.7 | 95.1 |

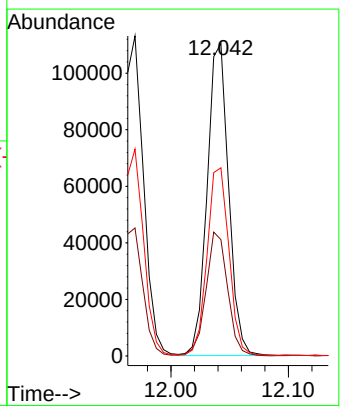


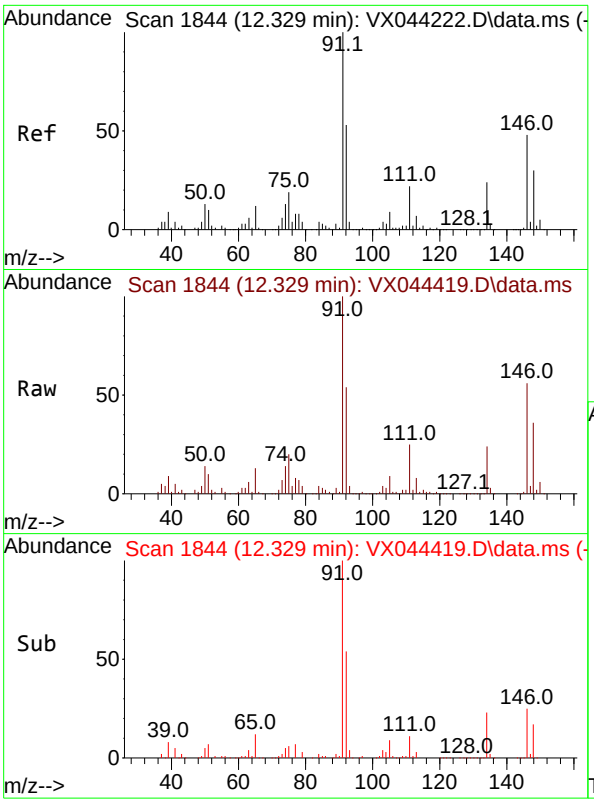




#88
1,4-Dichlorobenzene
Concen: 49.148 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:146 Resp: 140008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.1 | 21.0 | 63.0 |
| 148 | 62.5 | 32.3 | 96.8 |



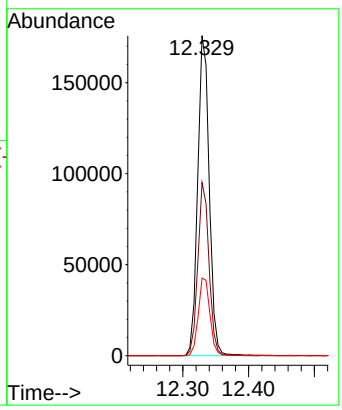


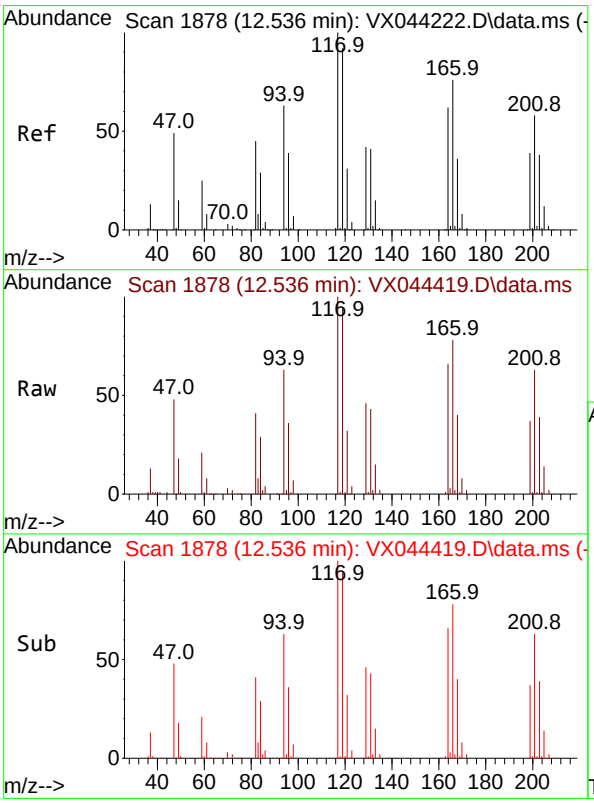

#89
n-Butylbenzene
Concen: 47.053 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 ...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 214353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 26.6 | 79.7 |
| 134 | 24.5 | 12.6 | 37.8 |

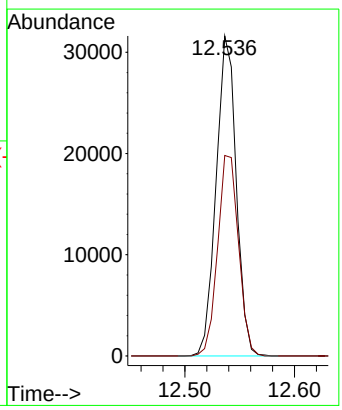


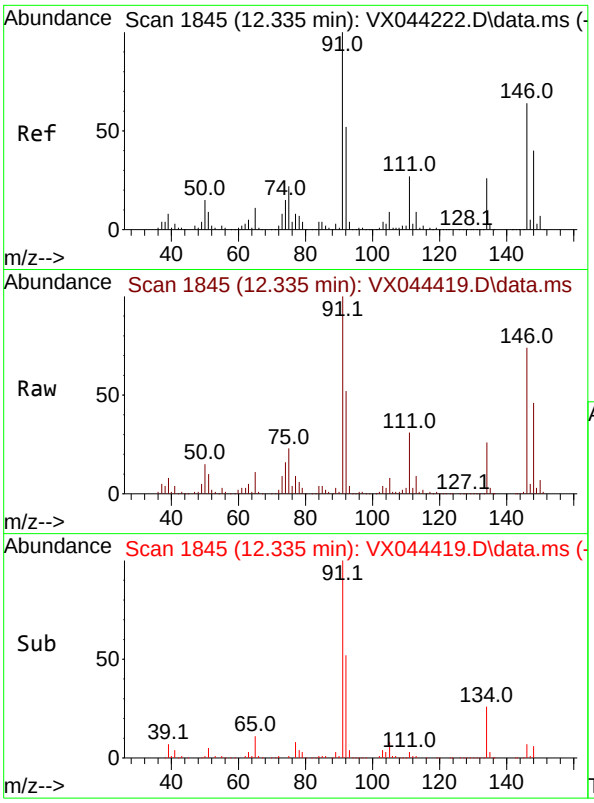




#90
Hexachloroethane
Concen: 51.057 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:117 Resp: 40378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 65.2 | 31.4 | 94.2 |



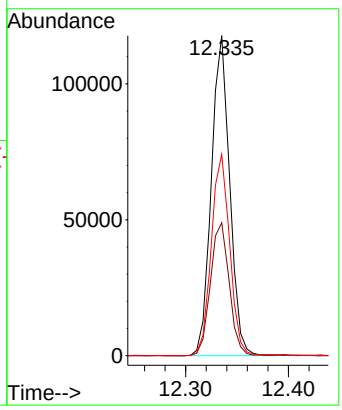


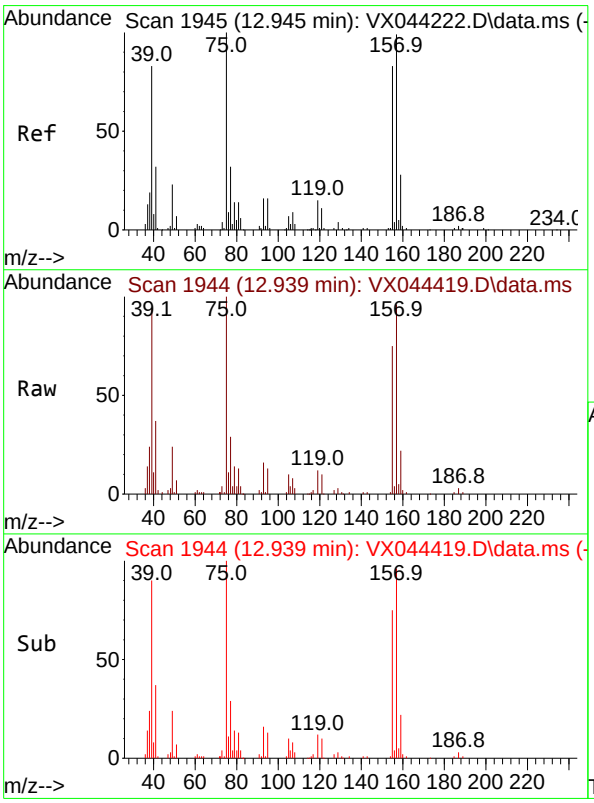

#91
1,2-Dichlorobenzene
Concen: 50.596 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a...

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 145586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.4 | 64.3 |
| 148 | 63.2 | 31.6 | 95.0 |

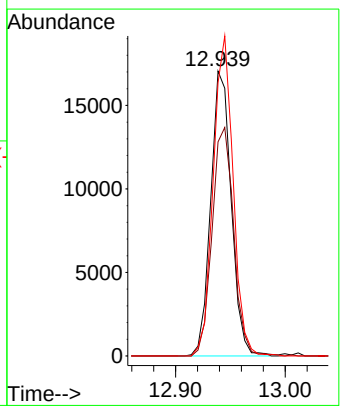


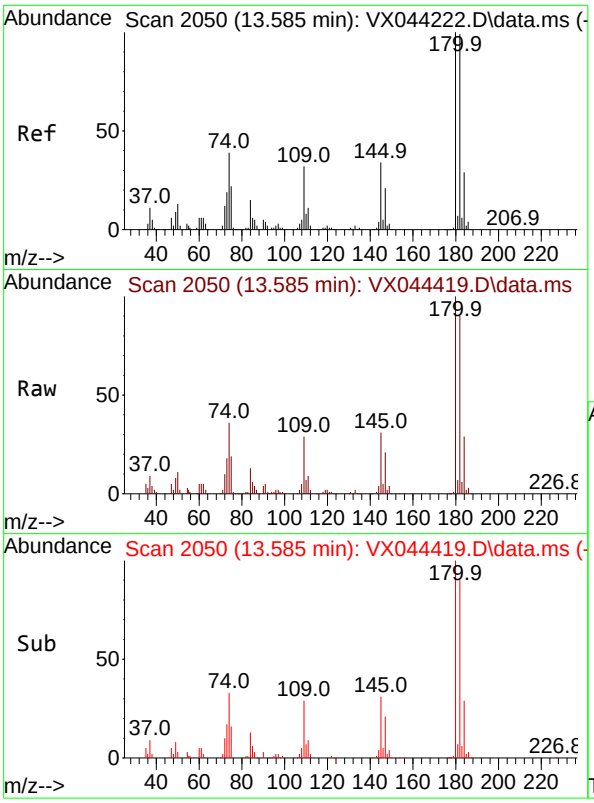




#92
1,2-Dibromo-3-Chloropropane
Concen: 50.364 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion: 75 Resp: 22216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.9 | 38.1 | 114.3 |
| 157 | 109.0 | 47.2 | 141.6 |



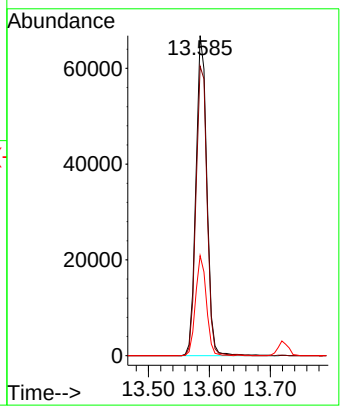


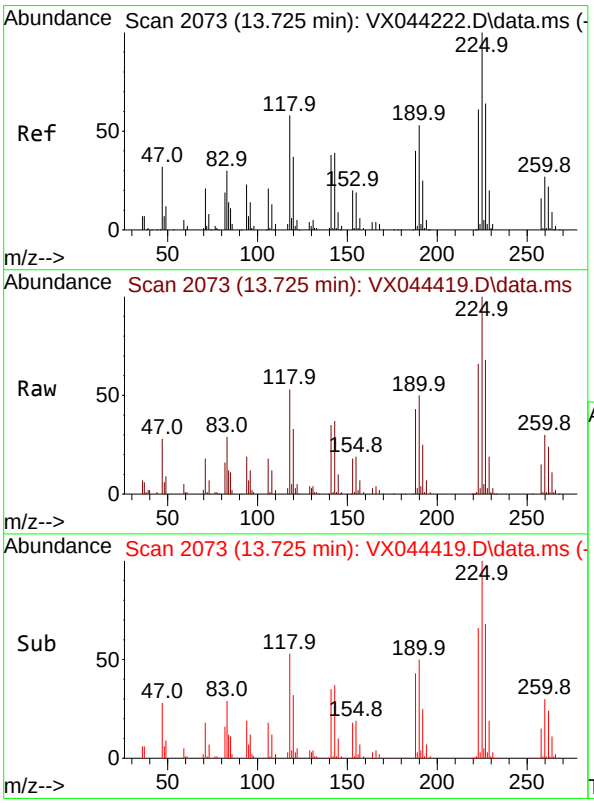

#93
1,2,4-Trichlorobenzene
Concen: 52.638 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 83037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.4 | 48.0 | 144.2 |
| 145 | 30.9 | 16.6 | 49.7 |

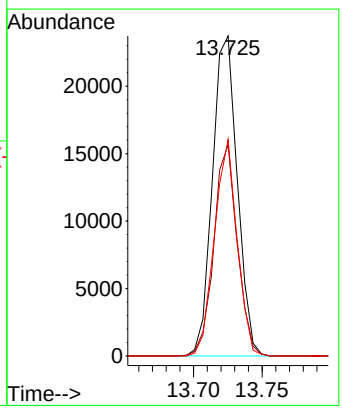


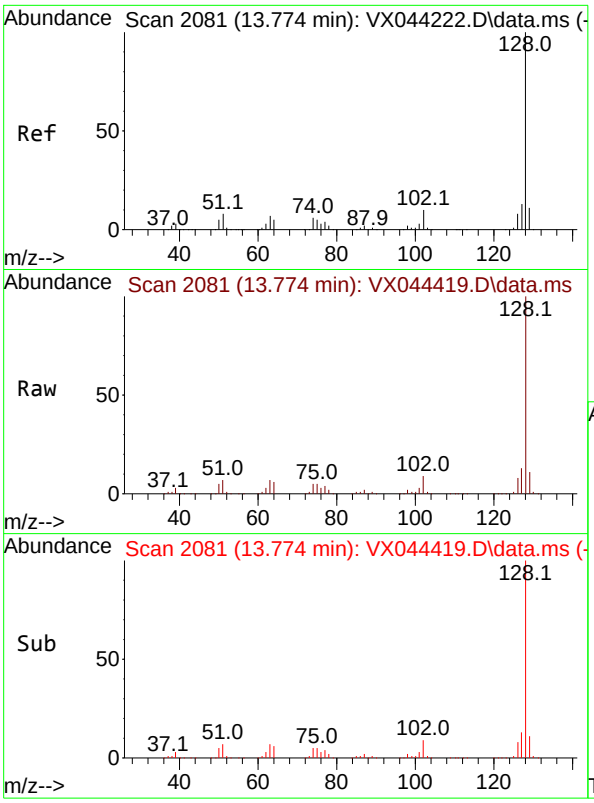




#94
Hexachlorobutadiene
Concen: 47.098 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:225 Resp: 29885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 30.8 | 92.4 |
| 227 | 61.8 | 32.1 | 96.3 |



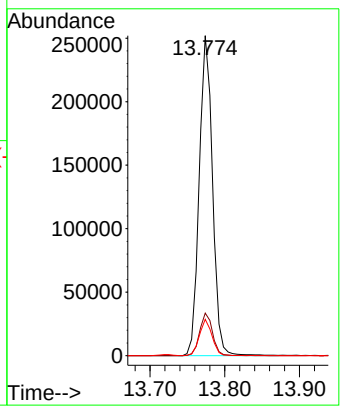


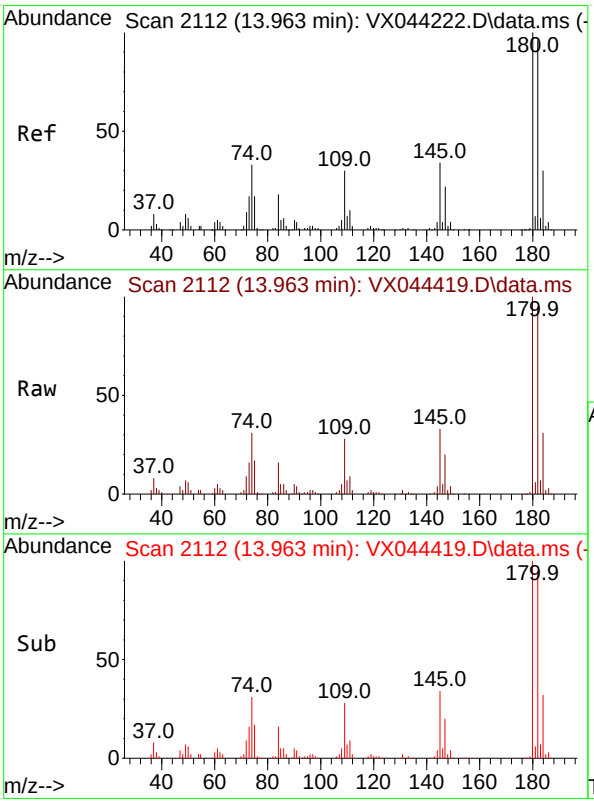

#95
Naphthalene
Concen: 50.581 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 a

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 311462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |

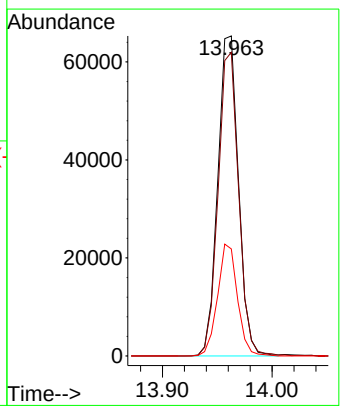



#96
1,2,3-Trichlorobenzene
Concen: 51.233 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044419.D
Acq: 19 Dec 2024 07:14 am

Tgt Ion:180 Resp: 85722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 48.0 | 144.0 |
| 145 | 33.7 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 136445 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 226018 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 197543 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 95339 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 114063 | 47.679 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 95.360% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 88578 | 56.586 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 113.180% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 297779 | 56.385 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 112.780% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 102676 | 55.640 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 111.280% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 116500 | 55.219 | ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 106640 | 52.856 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 108930 | 51.825 | ug/l | 96 |
| 5) Bromomethane | 1.593 | 94 | 72530 | 48.640 | ug/l | 100 |
| 6) Chloroethane | 1.666 | 64 | 64589 | 49.350 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 202222 | 49.144 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 65414 | 46.573 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 92304 | 55.436 | ug/l | 97 |
| 10) Methyl Iodide | 2.441 | 142 | 117927 | 53.737 | ug/l | 96 |
| 11) Tert butyl alcohol | 2.995 | 59 | 69873 | 207.237 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 85110 | 55.650 | ug/l | 93 |
| 13) Acrolein | 2.239 | 56 | 105437 | 216.034 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 131432 | 51.595 | ug/l | 96 |
| 15) Acrylonitrile | 3.069 | 53 | 228880 | 245.064 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 198245 | 203.262 | ug/l | 97 |
| 17) Carbon Disulfide | 2.502 | 76 | 150886 | 51.902 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 122242 | 48.611 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 285547 | 47.845 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 94061 | 51.347 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 85292 | 52.474 | ug/l | 96 |
| 22) Diisopropyl ether | 3.764 | 45 | 281255 | 49.031 | ug/l | 95 |
| 23) Vinyl Acetate | 3.721 | 43 | 1209209 | 259.287 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 164103 | 51.322 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 312065 | 225.066 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 135023 | 51.979 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 103072 | 49.931 | ug/l | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 75463 | 48.128 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 202559 | 227.599 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 172568 | 48.035 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 136432 | 52.839 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 149993 | 50.298 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 111706 | 55.205 | ug/l | 98 |
| 37) Ethyl Acetate | 4.715 | 43 | 125607 | 50.217 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 120478 | 55.304 | ug/l | 96 |
| 39) Methylcyclohexane | 7.373 | 83 | 146379 | 60.512 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 345635 | 56.259 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 66821 | 50.310 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 132516 | 52.362 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 199677 | 51.076 | ug/l | | 98 |
| 44) Trichloroethene | 7.117 | 130 | 87763 | 57.285 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 83393 | 53.131 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 67796 | 55.676 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.818 | 83 | 118614 | 56.402 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 94040 | 49.554 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.665 | 88 | 28510 | 906.120 | ug/l | # | 82 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 647258 | 257.494 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 208798 | 54.120 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 116841 | 51.640 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 130320 | 56.913 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 84487 | 55.124 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 130175 | 53.800 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 143590 | 53.824 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 307620 | 252.070 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 467347 | 256.860 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.519 | 129 | 86207 | 52.901 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 86930 | 55.721 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 74735 | 57.001 | ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 234513 | 55.402 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 77487 | 56.959 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 401792 | 54.936 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 308013 | 114.771 | ug/l | | 94 |
| 69) o-Xylene | 10.640 | 106 | 147688 | 54.389 | ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 251875 | 57.862 | ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 52602 | 54.671 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 390438 | 53.495 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 171638 | 50.885 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 132190 | 52.145 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 139014 | 65.305 | ug/l | | 84 |
| 77) Bromobenzene | 11.195 | 156 | 95489 | 53.953 | ug/l | | 95 |
| 78) n-propylbenzene | 11.299 | 91 | 441589 | 54.741 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 267690 | 51.311 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 322510 | 53.284 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 35051 | 47.498 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 305777 | 52.929 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 320615 | 53.600 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 327657 | 55.123 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 399310 | 54.989 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 336593 | 55.691 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 172628 | 55.839 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 169778 | 53.422 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 292244 | 57.503 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 50629 | 57.385 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 173478 | 54.042 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 24124 | 49.022 | ug/l | | 90 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 104720 | 59.504 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 43140 | 60.942 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 369385 | 53.772 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 108667 | 58.216 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

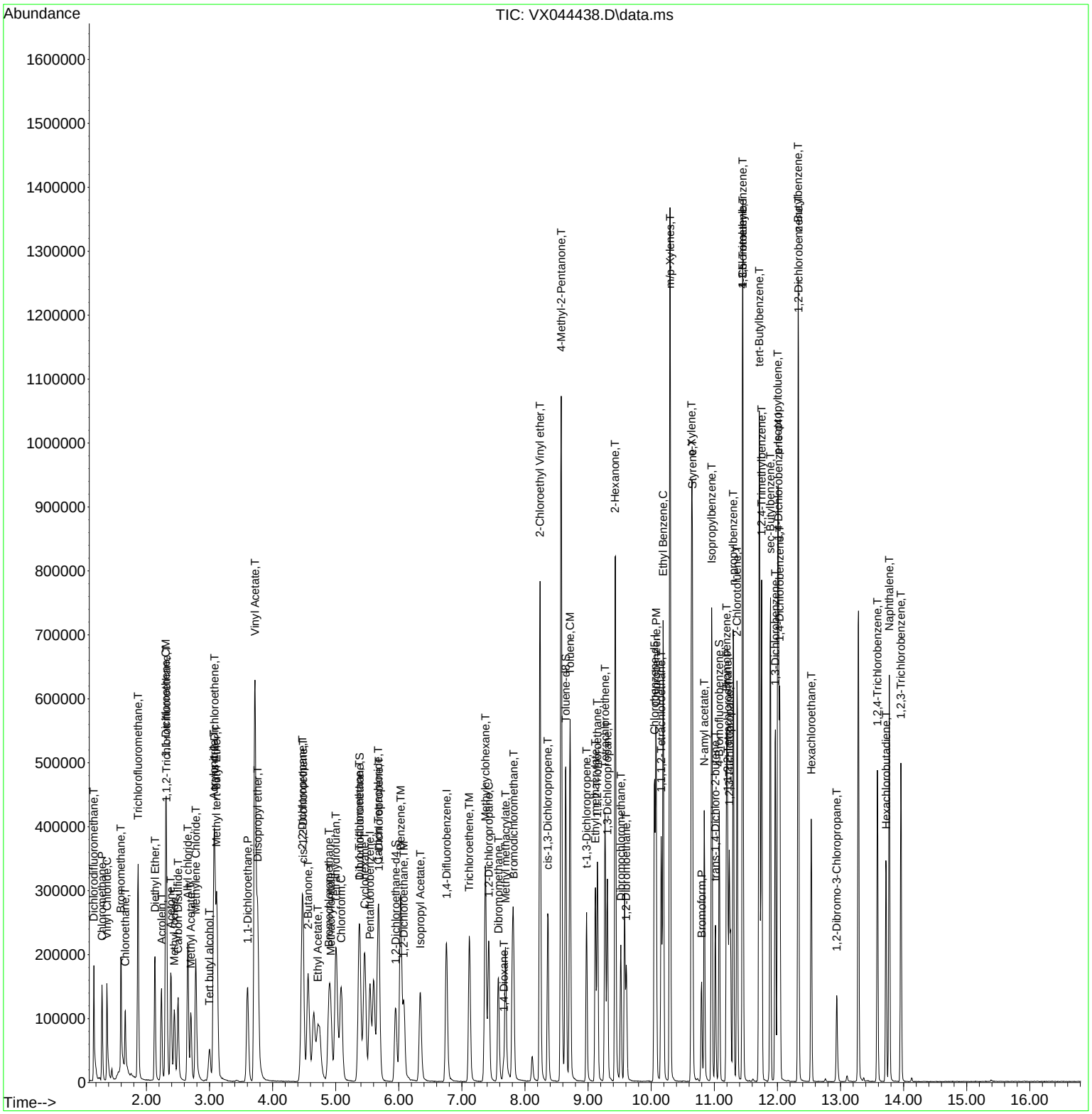
(#) = qualifier out of range (m) = manual integration (+) = signals summed

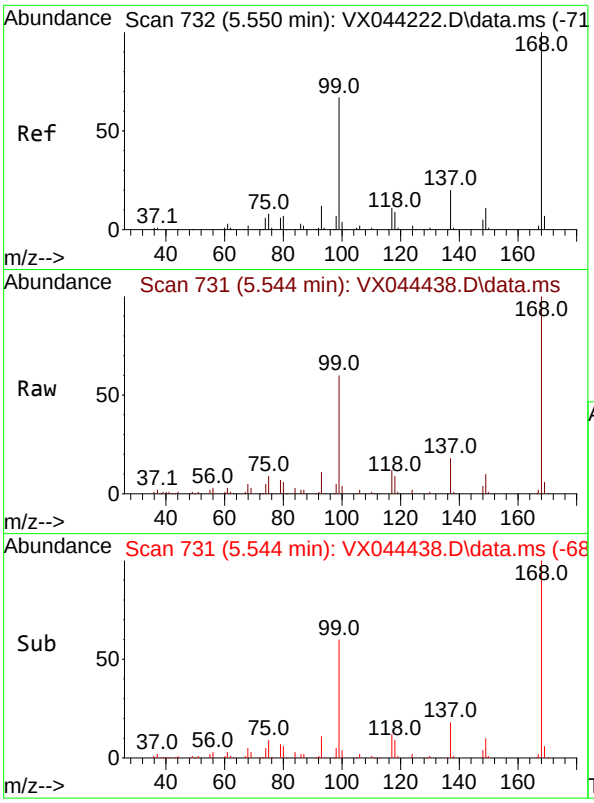
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044438.D
Acq On : 20 Dec 2024 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 20 22:18:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



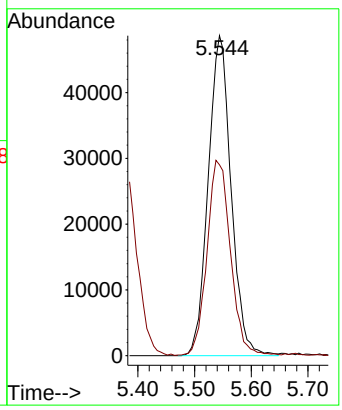


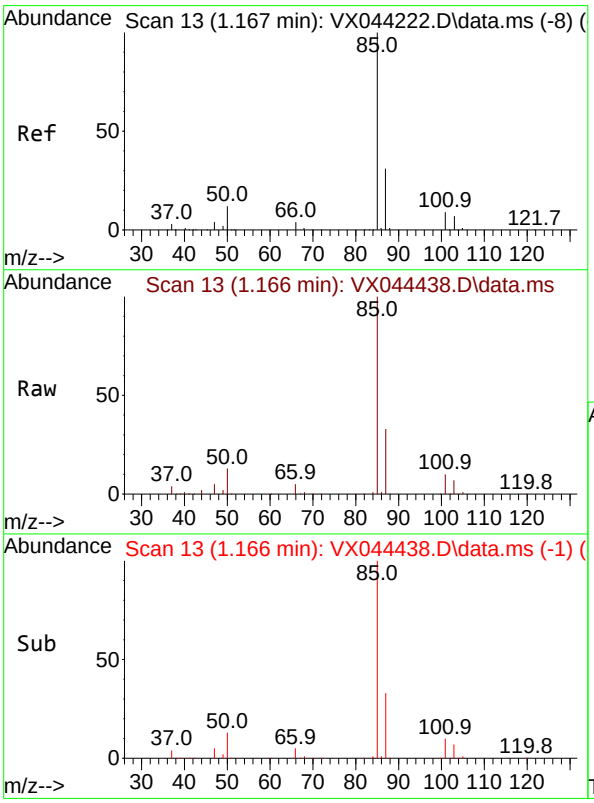

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 136445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.5 | 53.4 | 80.0 |

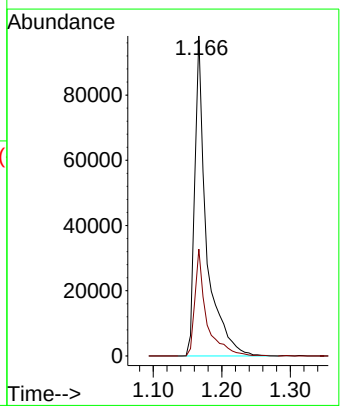


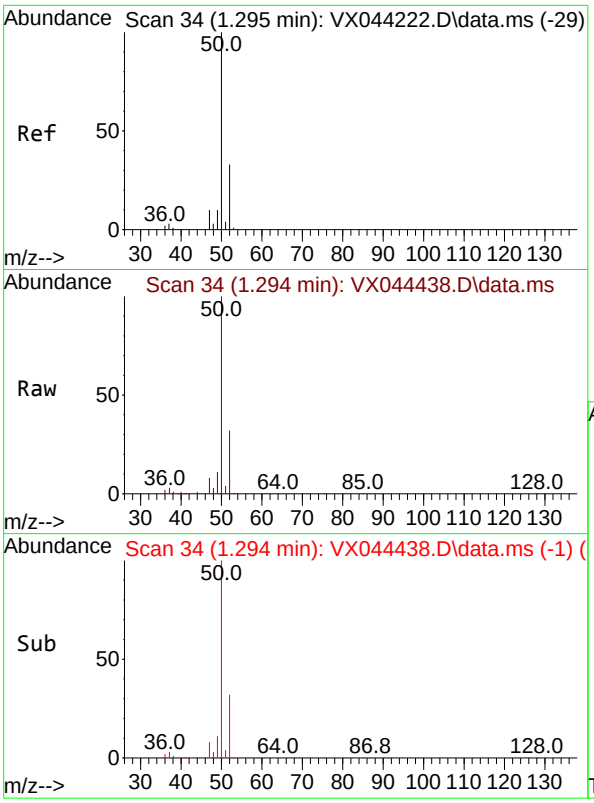




#2
Dichlorodifluoromethane
Concen: 55.219 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 85 Resp: 116500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.4 | 15.4 | 46.4 |



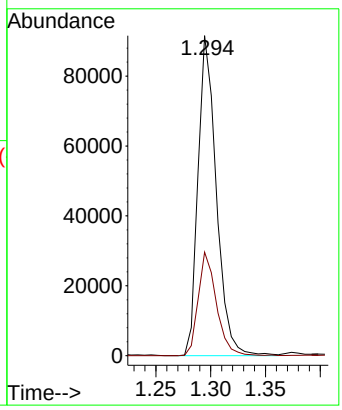


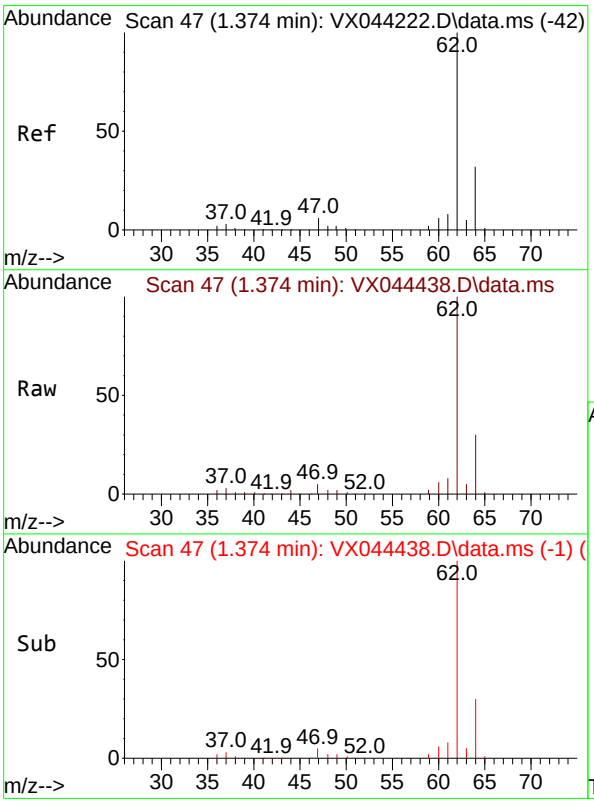

#3
Chloromethane
Concen: 52.856 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 106640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 26.5 | 39.7 |

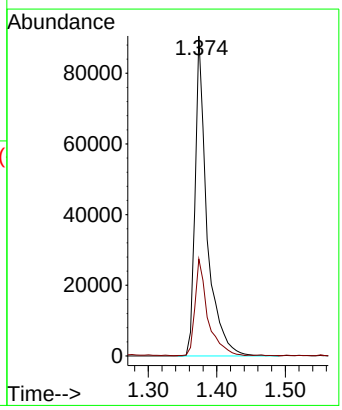


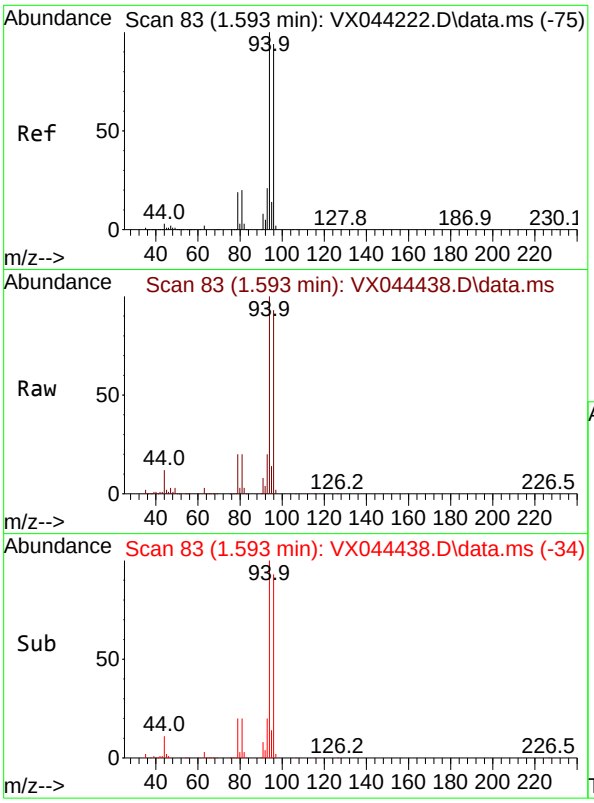




#4
Vinyl Chloride
Concen: 51.825 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 62 Resp: 108930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.1 | 25.7 | 38.5 |



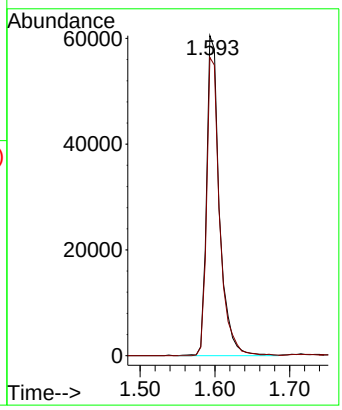


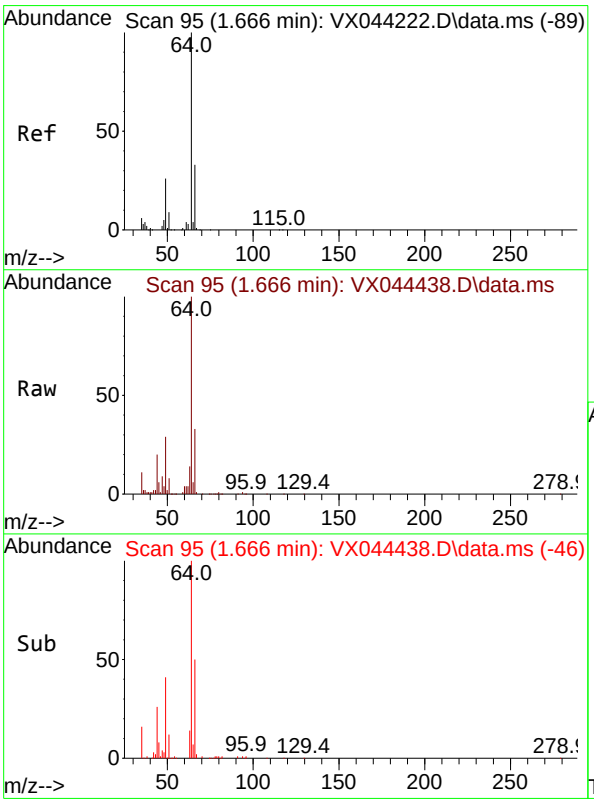

#5
Bromomethane
Concen: 48.640 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 72530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.2 | 74.9 | 112.3 |

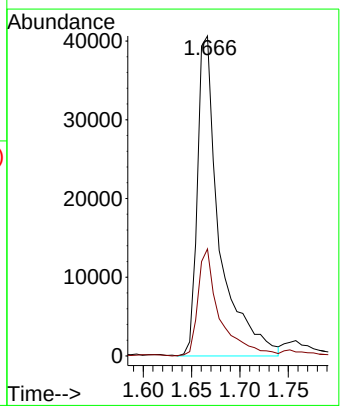


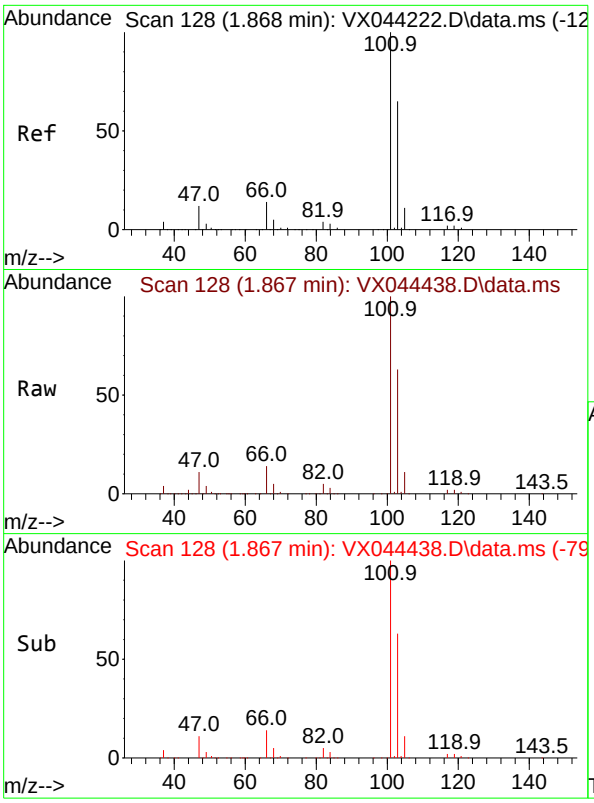




#6
Chloroethane
Concen: 49.350 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 64 Resp: 64589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.3 | 26.6 | 39.8 |



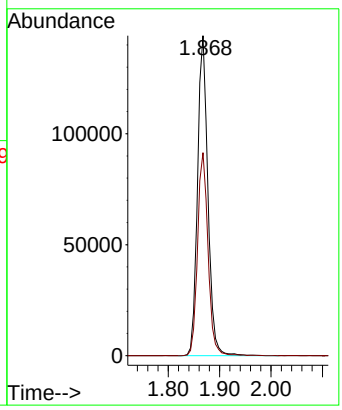


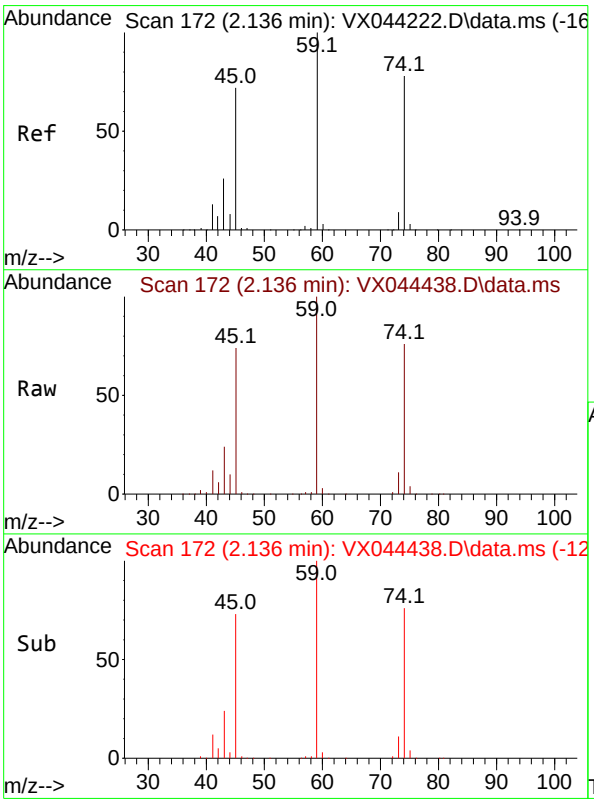

#7
Trichlorofluoromethane
Concen: 49.144 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 202222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |

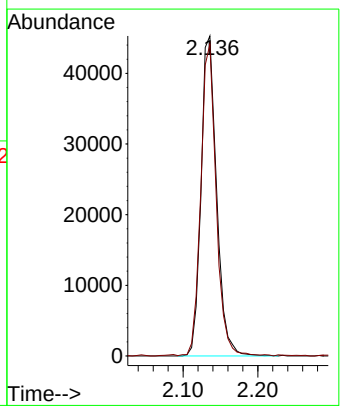


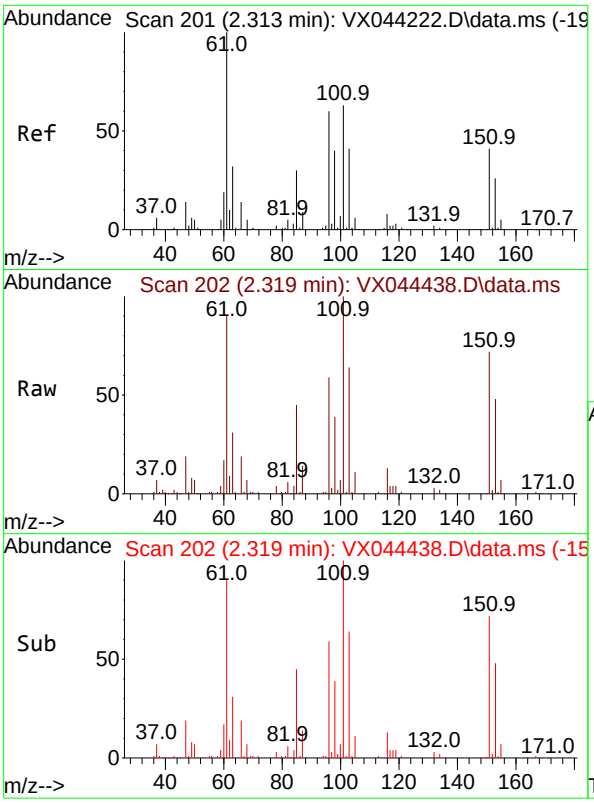




#8
Diethyl Ether
Concen: 46.573 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 74 Resp: 65414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.6 | 48.4 | 145.0 |



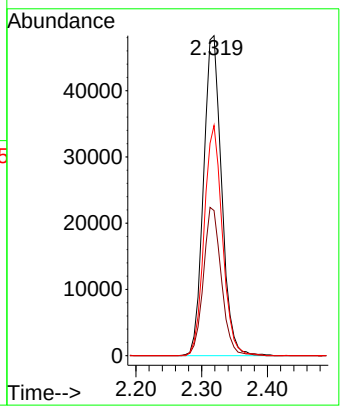


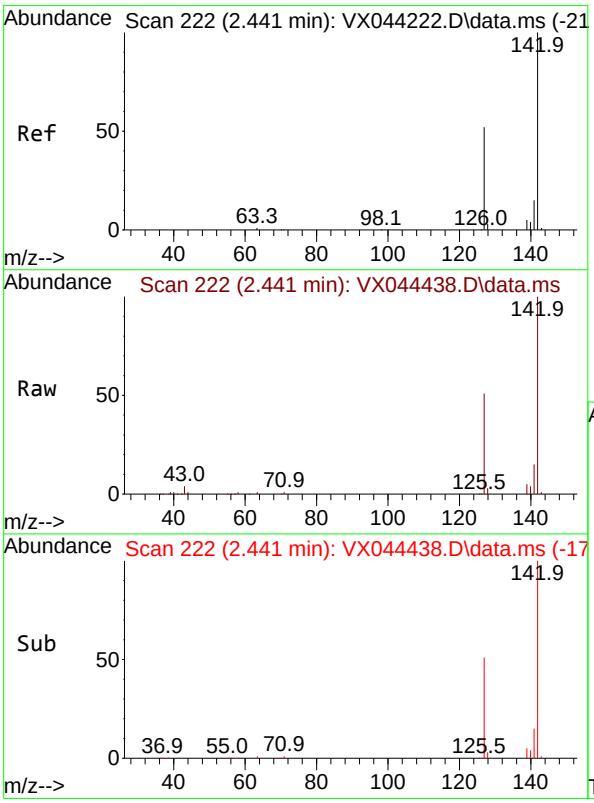

#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.436 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 92304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.0 | 38.5 | 57.7 |
| 151 | 72.5 | 55.8 | 83.6 |

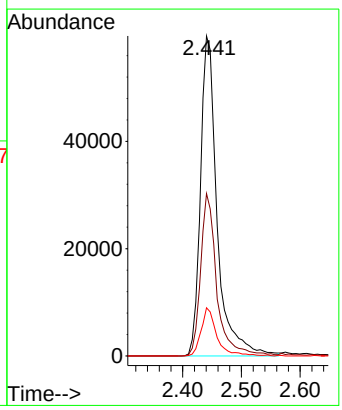


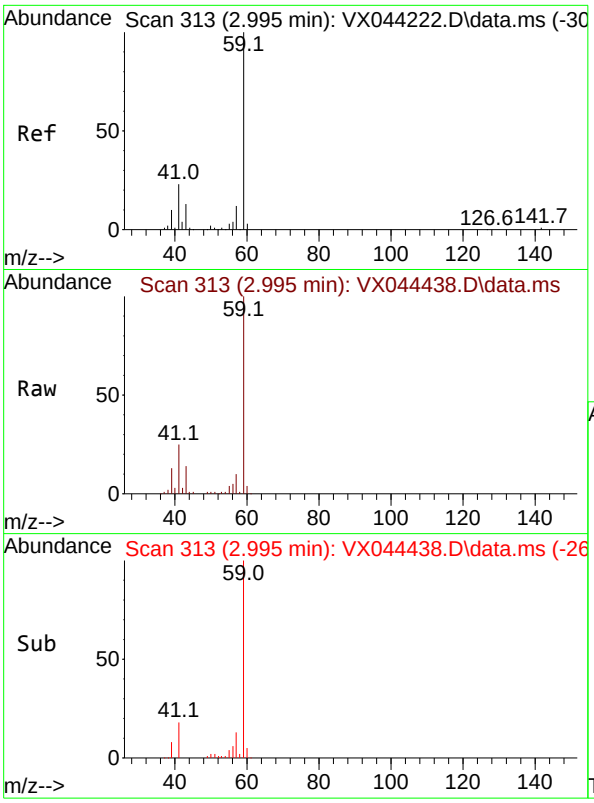




#10
Methyl Iodide
Concen: 53.737 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:142 Resp: 117927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.2 | 41.8 | 62.8 |
| 141 | 14.2 | 11.5 | 17.3 |



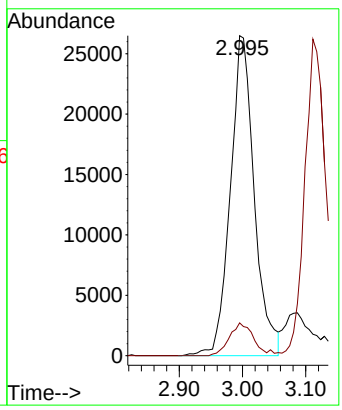


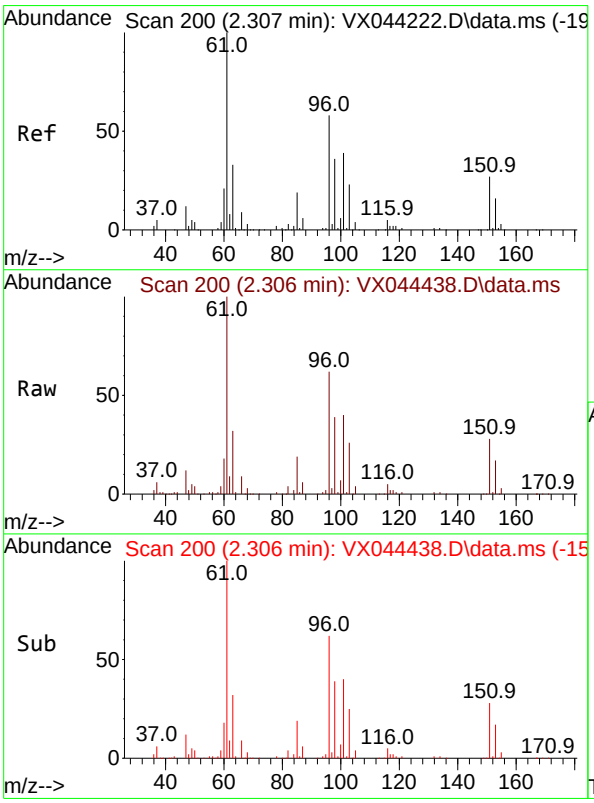

#11
Tert butyl alcohol
Concen: 207.237 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 69873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.8 | 13.2 |

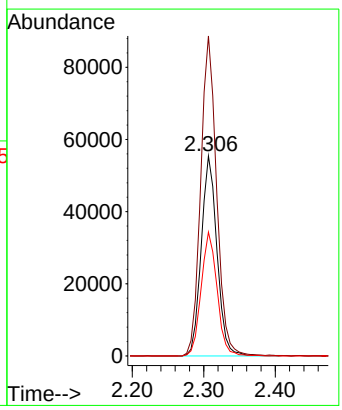


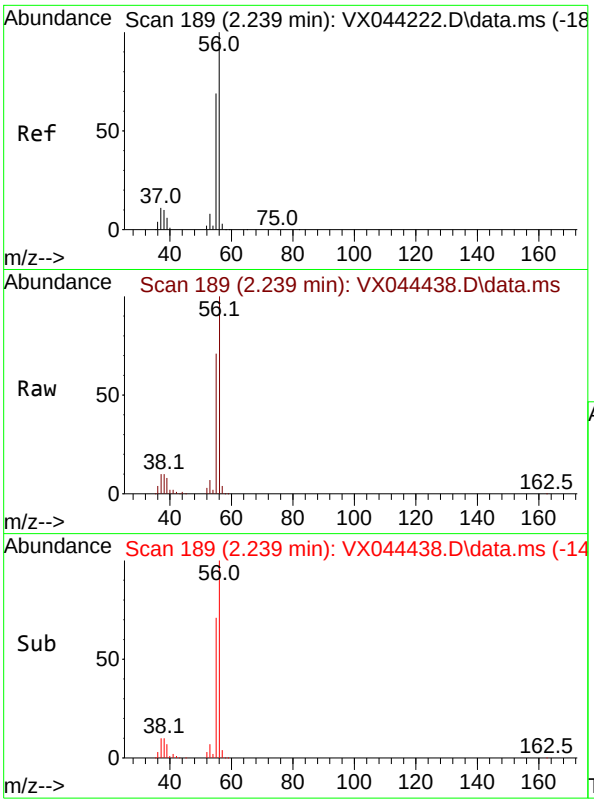




#12
1,1-Dichloroethene
Concen: 55.650 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 96 Resp: 85110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.0 | 138.0 | 207.0 |
| 98 | 62.0 | 50.0 | 75.0 |



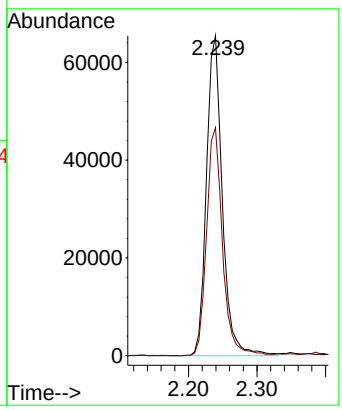


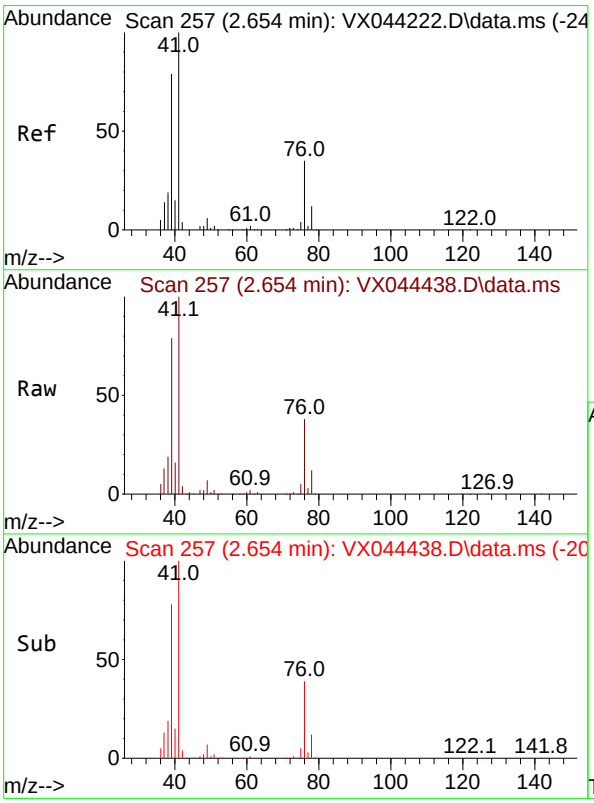

#13
Acrolein
Concen: 216.034 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 105437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.6 | 56.6 | 84.8 |

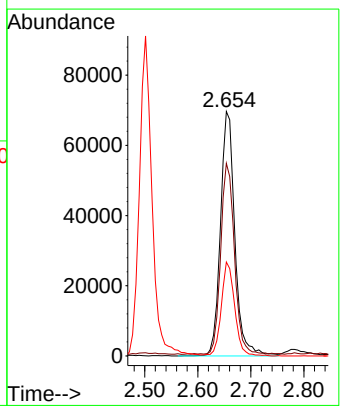


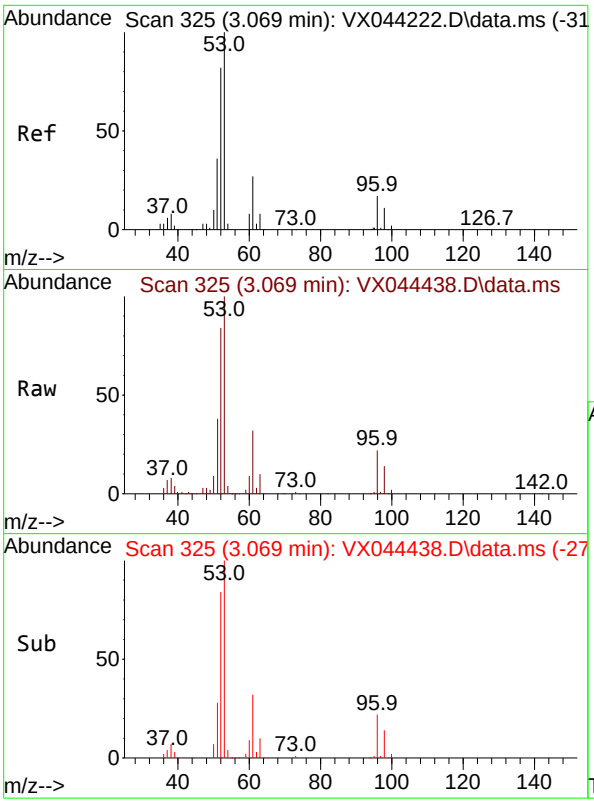




#14
Allyl chloride
Concen: 51.595 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 41 Resp: 131432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.8 | 61.9 | 92.9 |
| 76 | 35.5 | 27.4 | 41.2 |



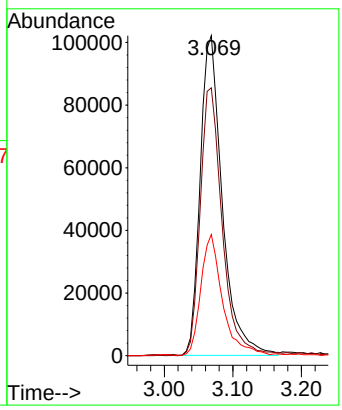


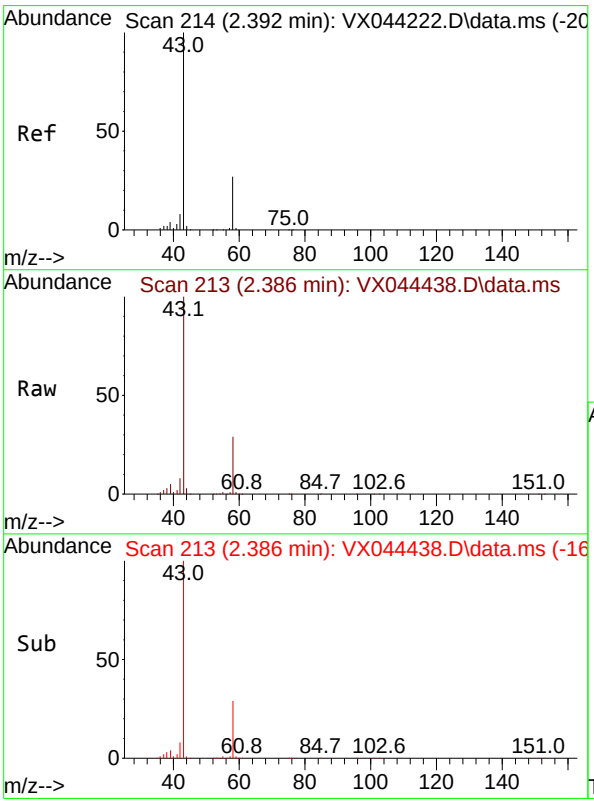

#15
Acrylonitrile
Concen: 245.064 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 228880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.6 | 67.4 | 101.0 |
| 51 | 37.1 | 30.3 | 45.5 |

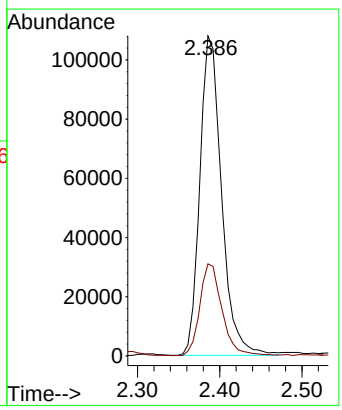


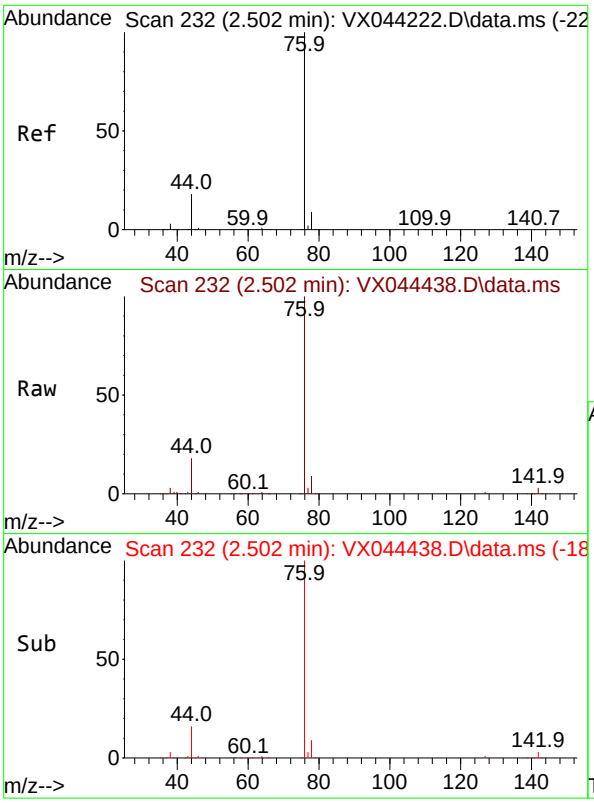




#16
Acetone
Concen: 203.262 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 198245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 21.6 | 32.4 |



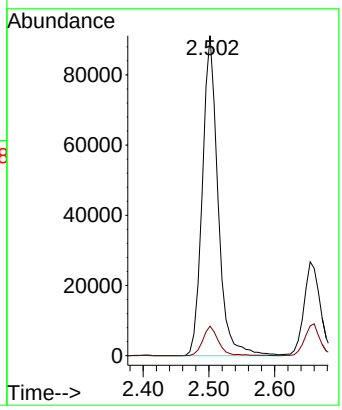


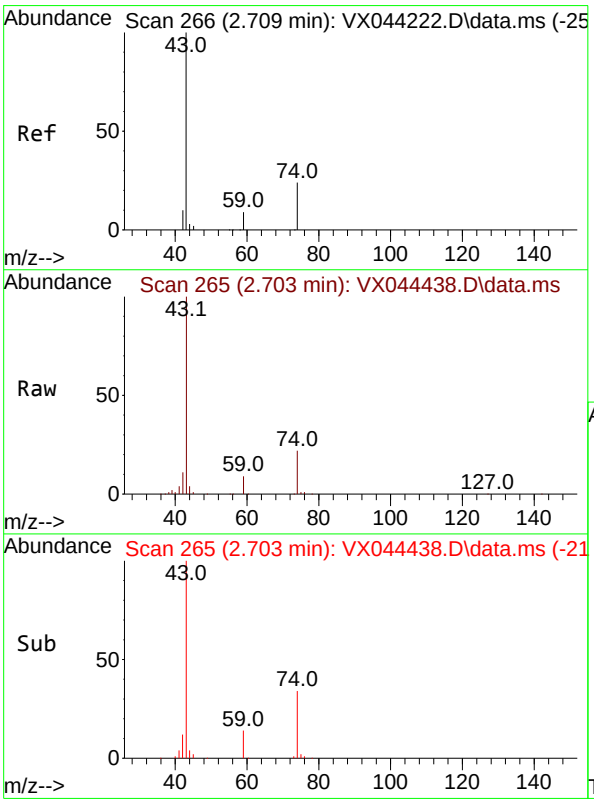

#17
Carbon Disulfide
Concen: 51.902 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 150886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |

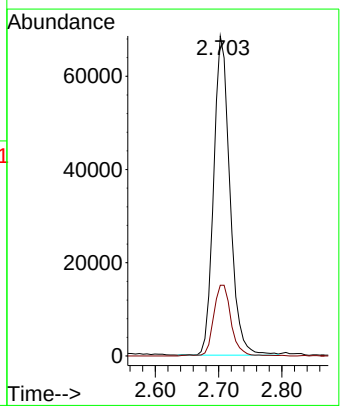


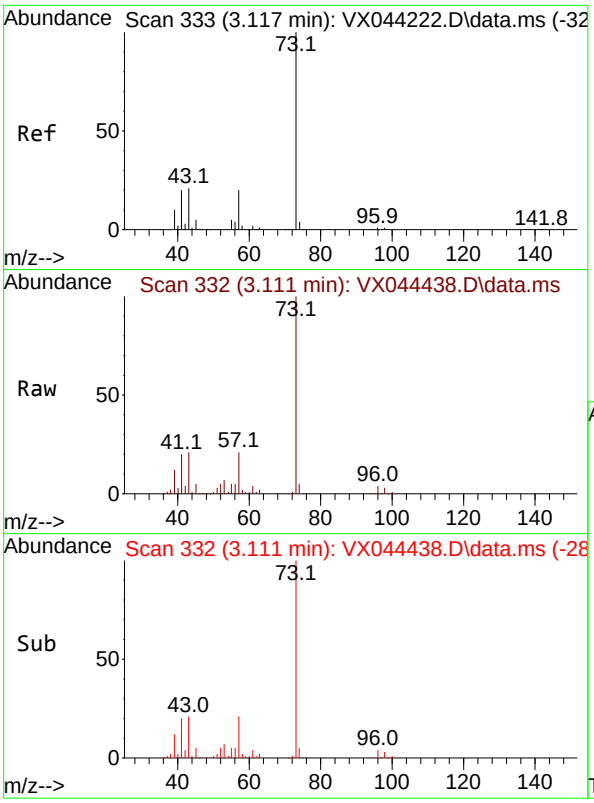




#18
Methyl Acetate
Concen: 48.611 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 122242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 17.7 | 26.5 |



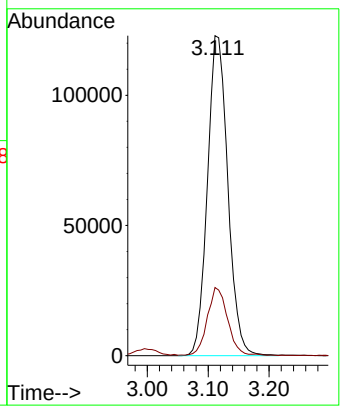


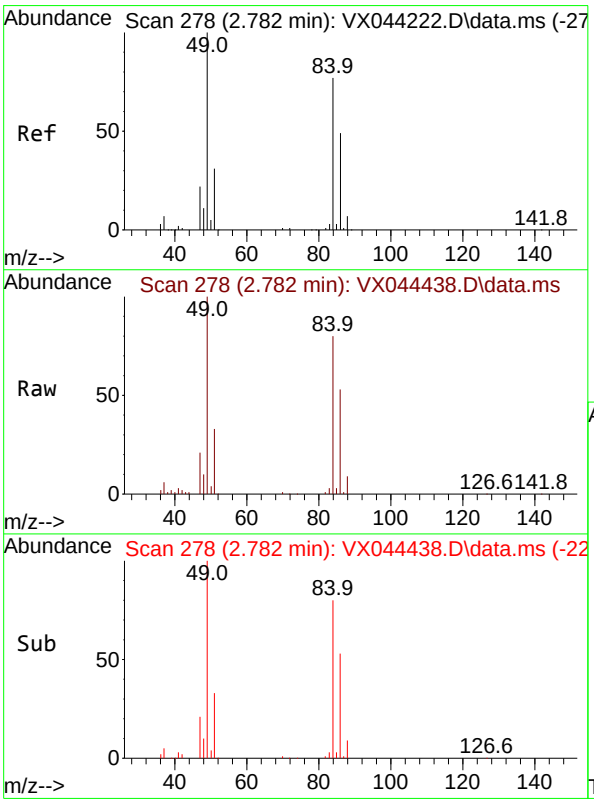

#19
Methyl tert-butyl Ether
Concen: 47.845 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 285547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 16.2 | 24.4 |

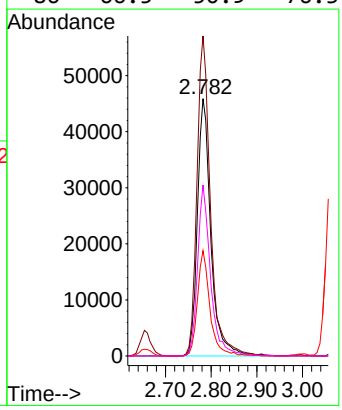


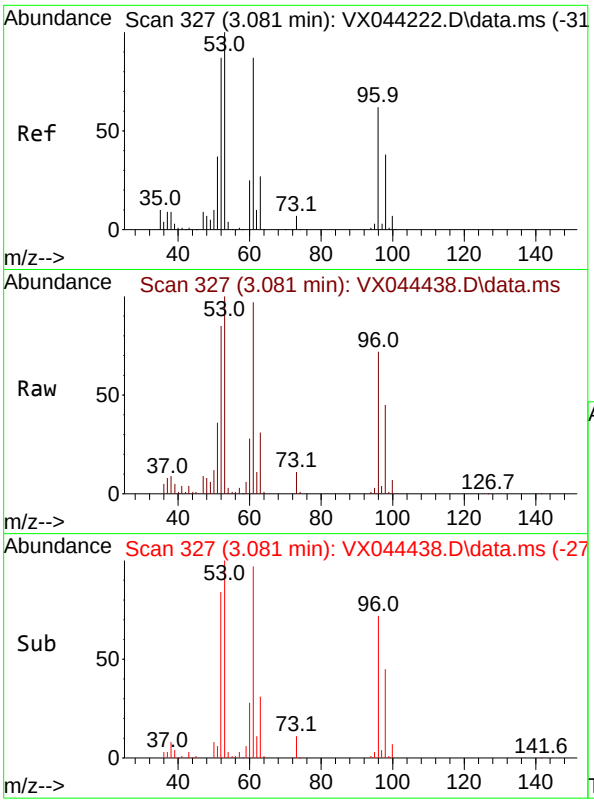




#20
Methylene Chloride
Concen: 51.347 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 84 Resp: 94061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.4 | 104.2 | 156.4 |
| 51 | 40.9 | 32.2 | 48.4 |
| 86 | 66.5 | 50.9 | 76.3 |



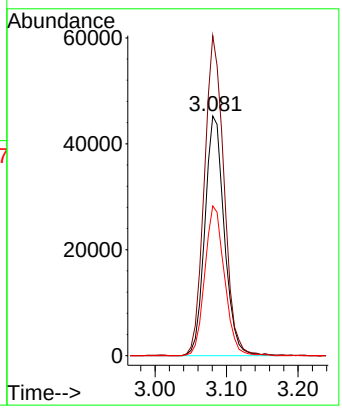


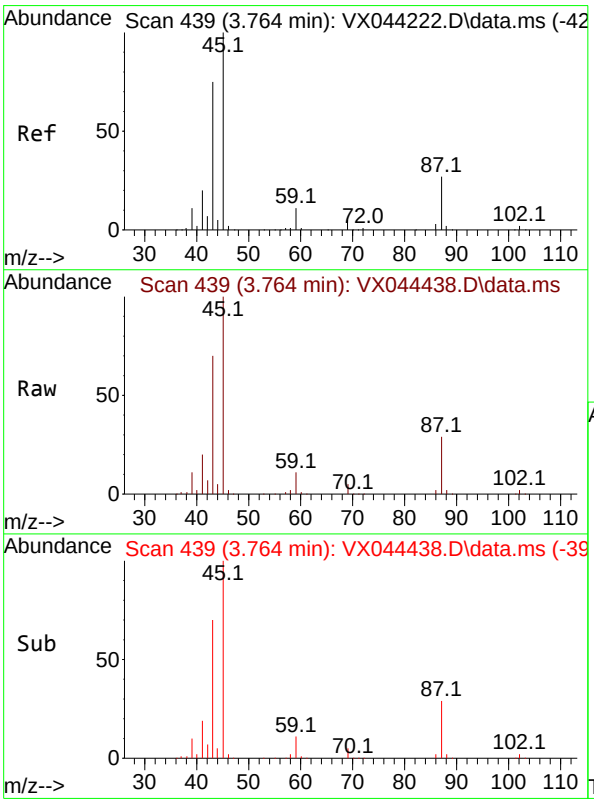

#21
trans-1,2-Dichloroethene
Concen: 52.474 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 85292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.6 | 112.0 | 168.0 |
| 98 | 62.5 | 48.8 | 73.2 |

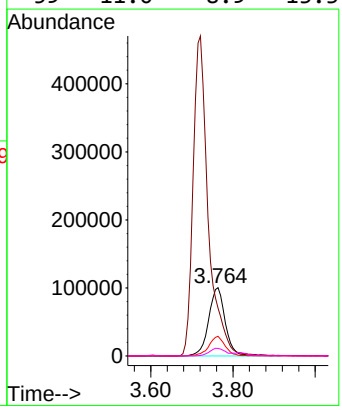


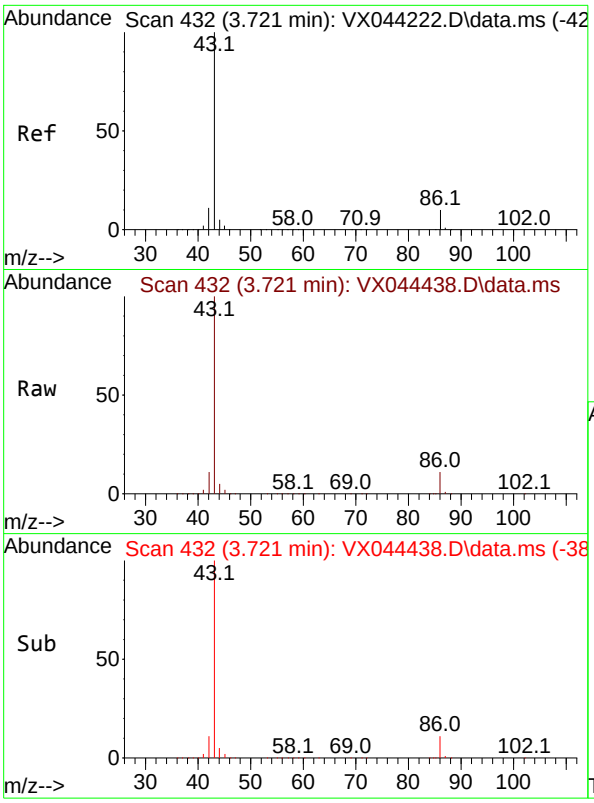




#22
Diisopropyl ether
Concen: 49.031 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 45 Resp: 281255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 69.9 | 60.2 | 90.2 |
| 87 | 28.8 | 21.2 | 31.8 |
| 59 | 11.0 | 8.9 | 13.3 |



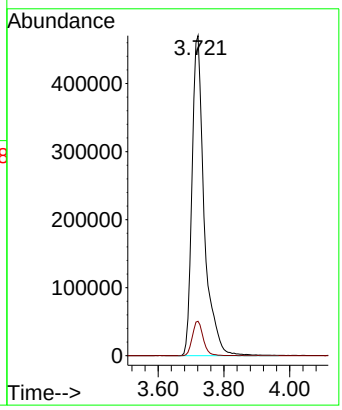


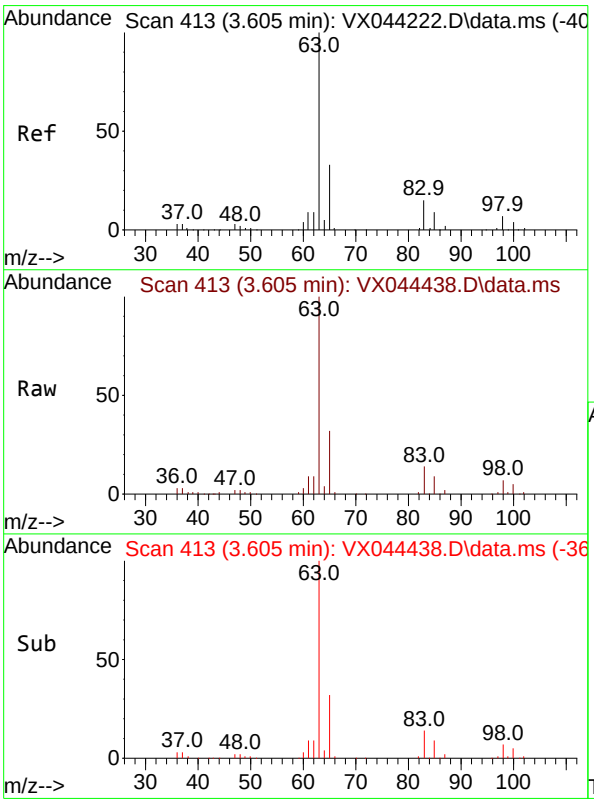

#23
Vinyl Acetate
Concen: 259.287 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 1209209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |

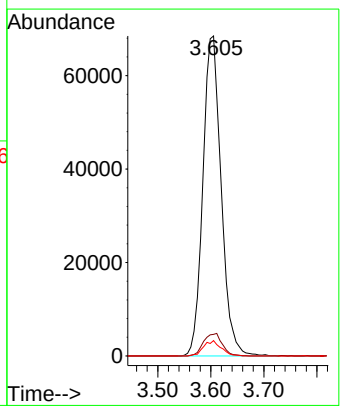


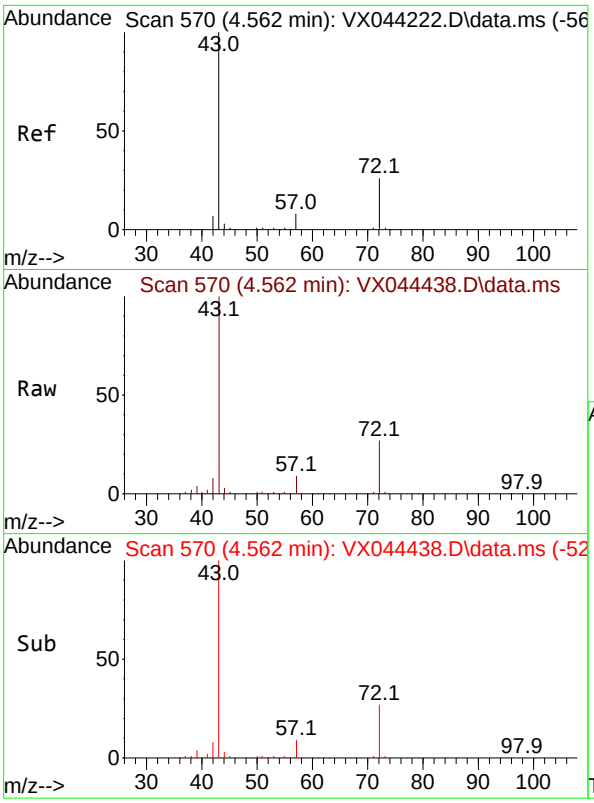




#24
1,1-Dichloroethane
Concen: 51.322 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 63 Resp: 164103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.7 | 3.6 | 10.8 |
| 100 | 4.8 | 2.1 | 6.3 |



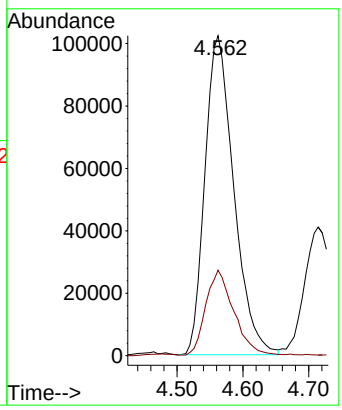


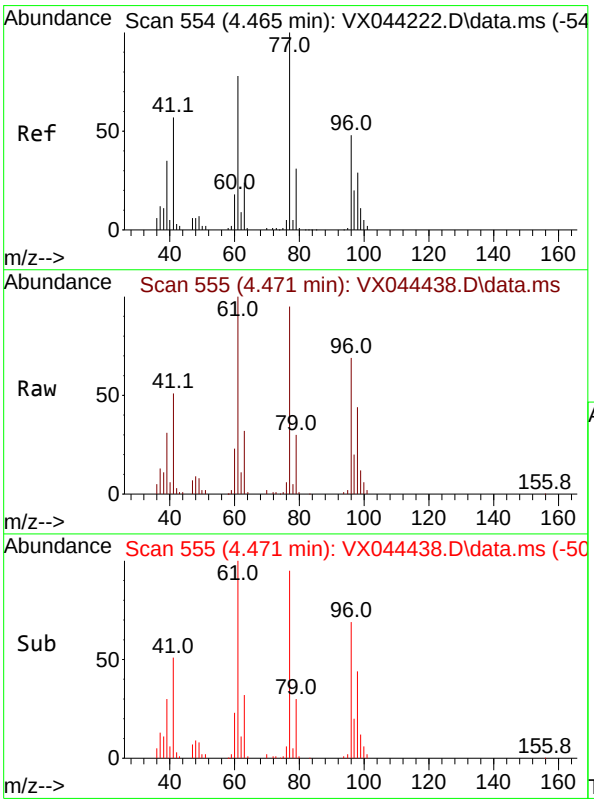

#25
2-Butanone
Concen: 225.066 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 312065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.6 | 20.2 | 30.4 |

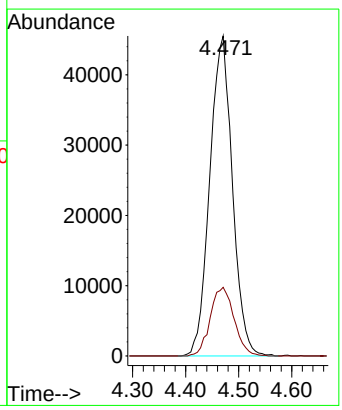


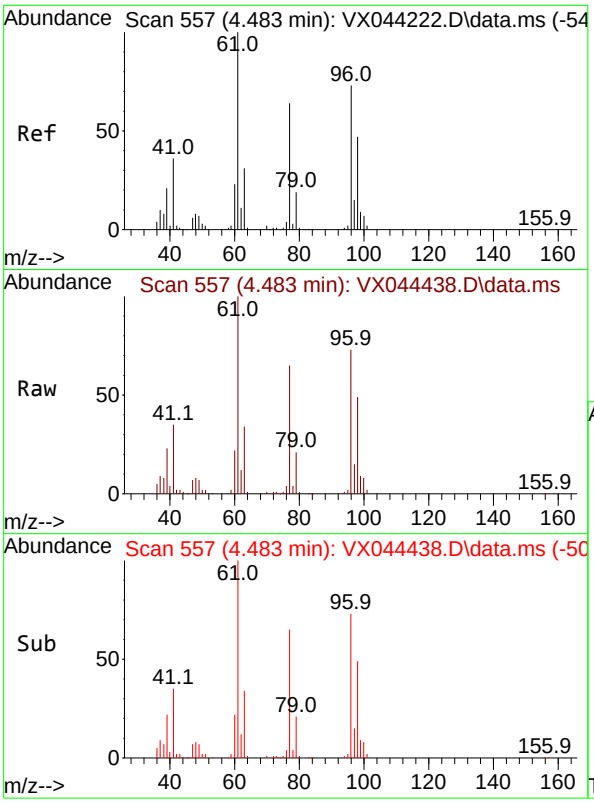




#26
2,2-Dichloropropane
Concen: 51.979 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 77 Resp: 135023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.6 | 10.7 | 32.1 |



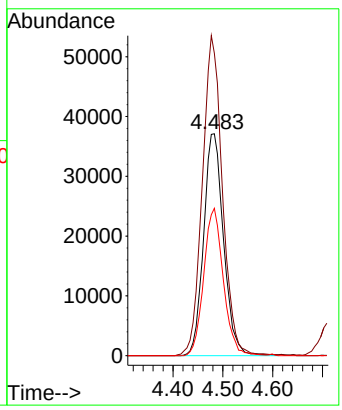


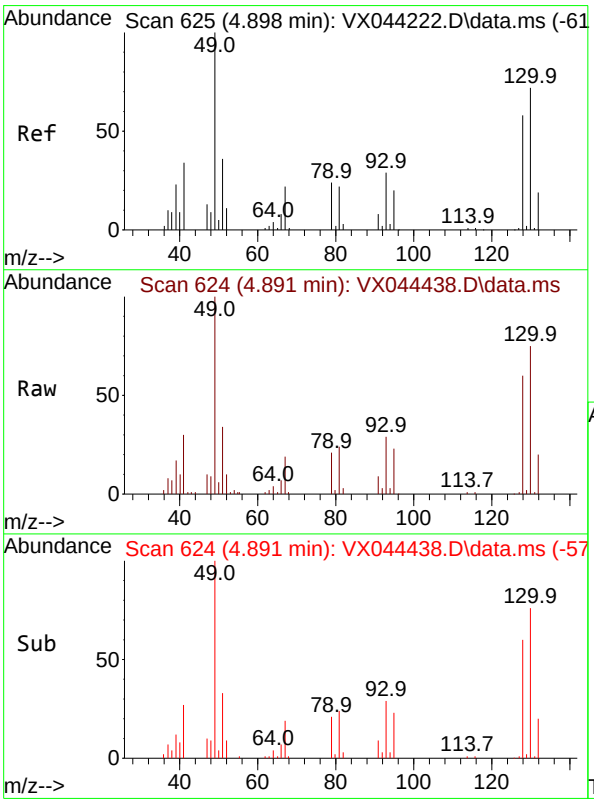

#27
cis-1,2-Dichloroethene
Concen: 49.931 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 103072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.7 | 0.0 | 299.0 |
| 98 | 65.2 | 0.0 | 129.0 |

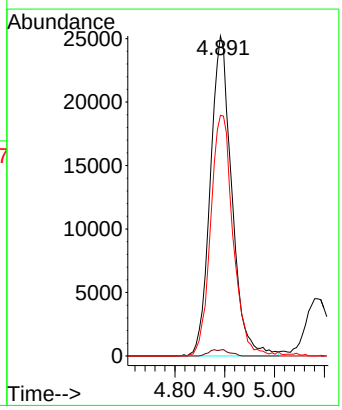


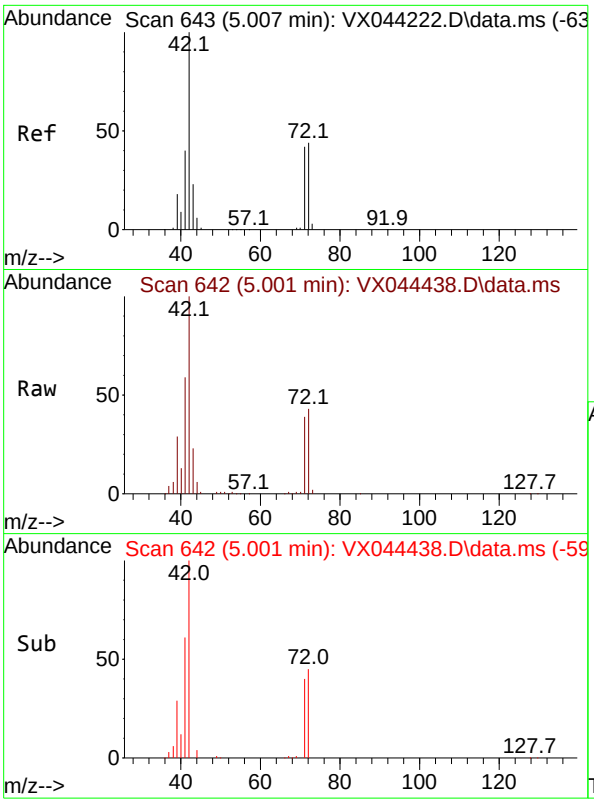




#28
Bromochloromethane
Concen: 48.128 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 49 Resp: 75463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.2 |
| 130 | 78.0 | 62.1 | 93.1 |



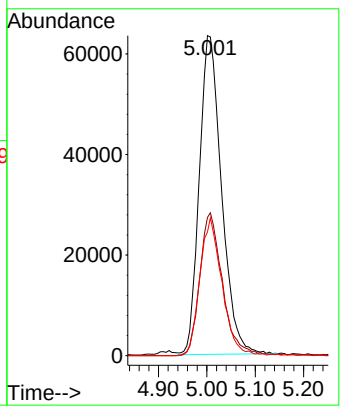


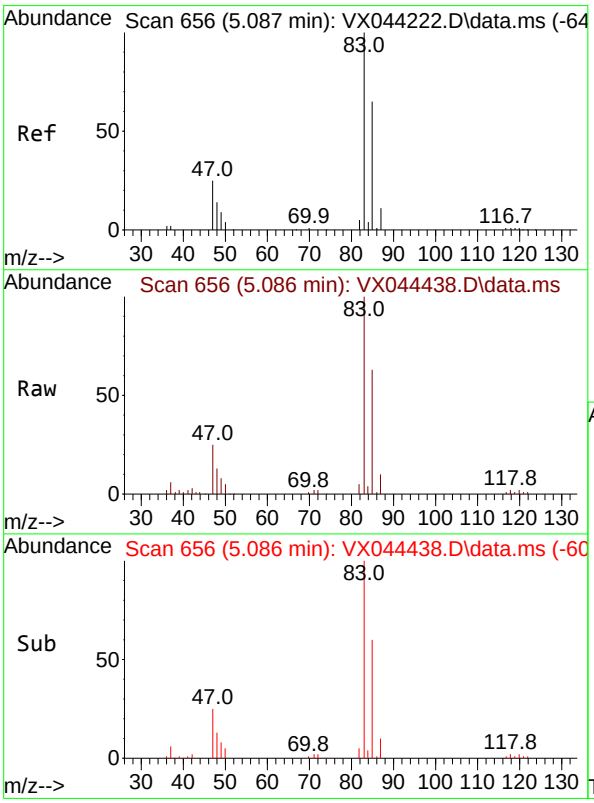

#29
Tetrahydrofuran
Concen: 227.599 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 202559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.7 | 37.0 | 55.6 |
| 71 | 42.9 | 33.6 | 50.4 |

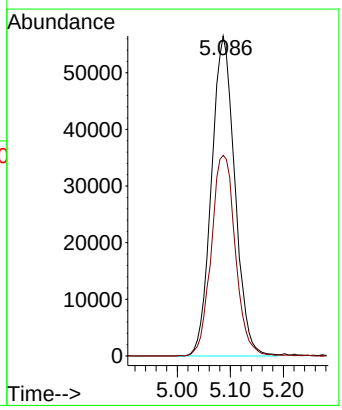


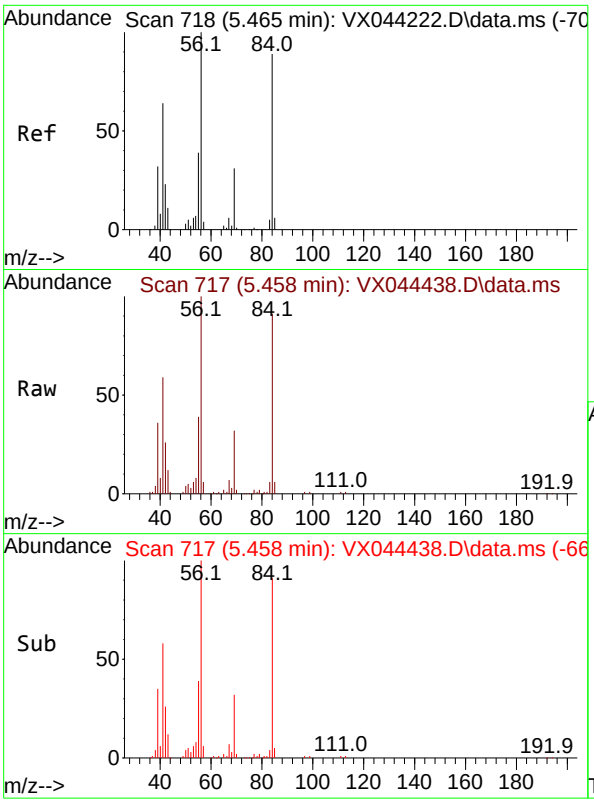




#30
Chloroform
Concen: 48.035 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 83 Resp: 172568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 51.6 | 77.4 |



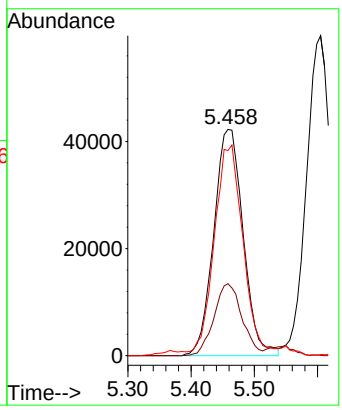


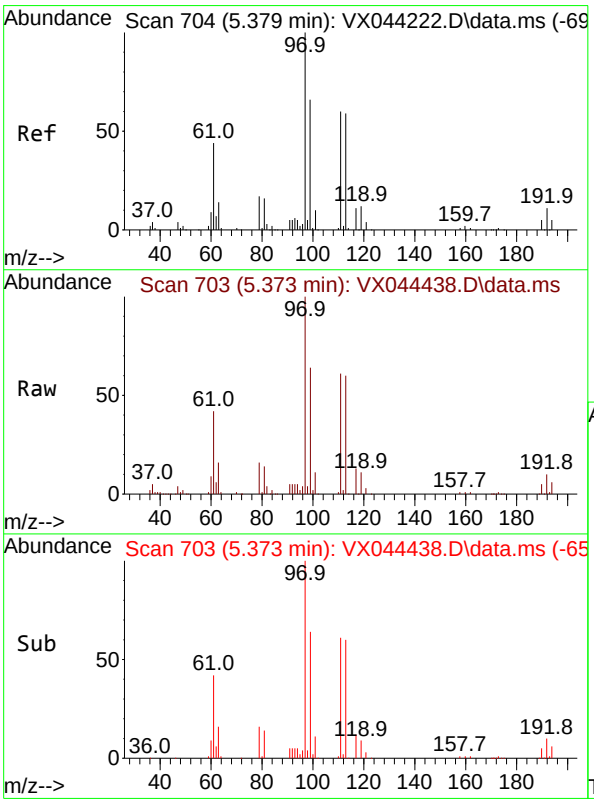

#31
Cyclohexane
Concen: 52.839 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 136432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.9 | 24.7 | 37.1 |
| 84 | 89.0 | 71.0 | 106.6 |

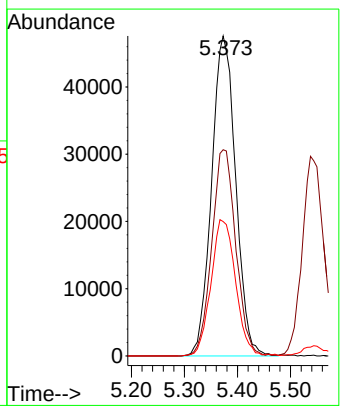


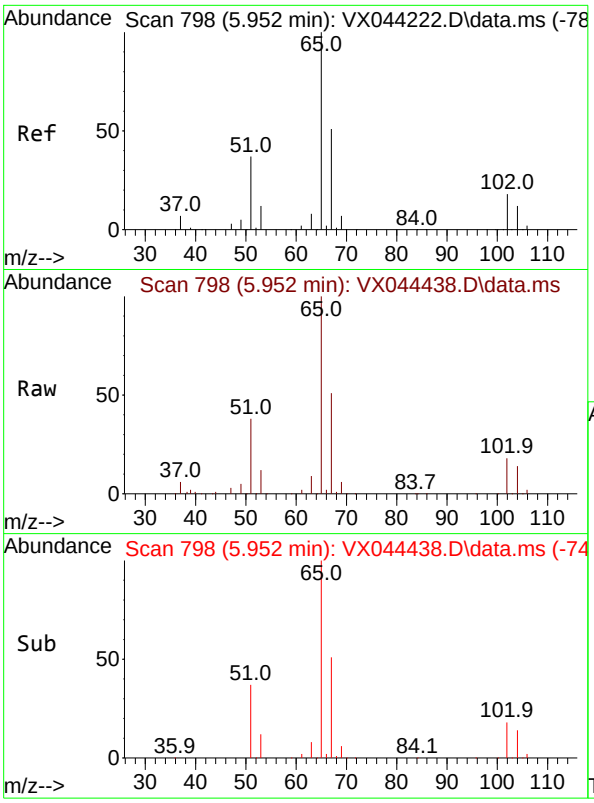




#32
1,1,1-Trichloroethane
Concen: 50.298 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 97 Resp: 149993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 50.8 | 76.2 |
| 61 | 43.5 | 35.2 | 52.8 |



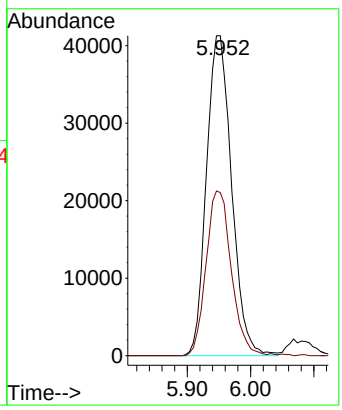


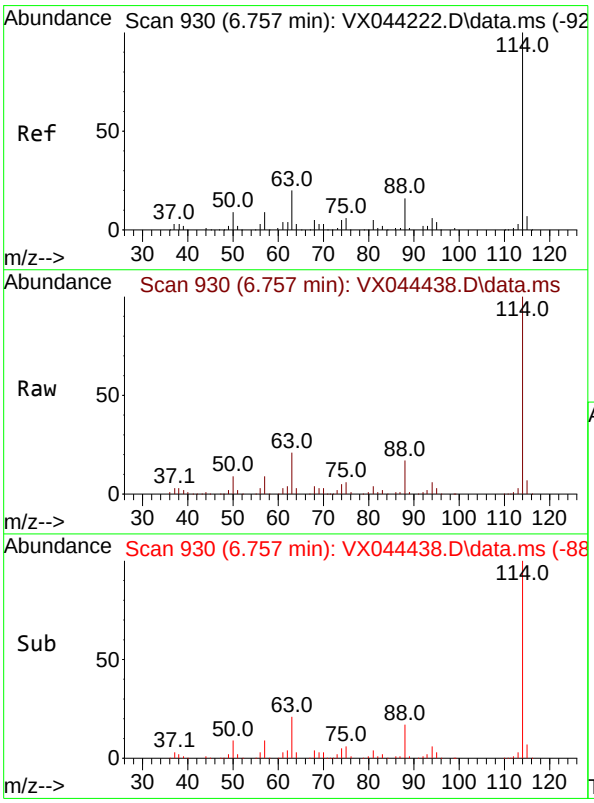

#33
1,2-Dichloroethane-d4
Concen: 47.679 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 114063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 101.6 |

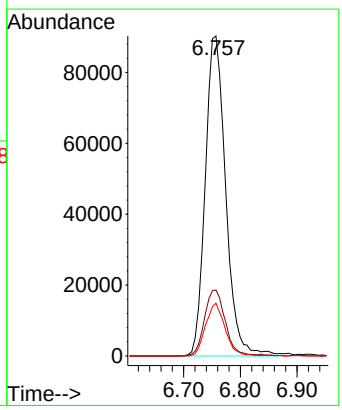


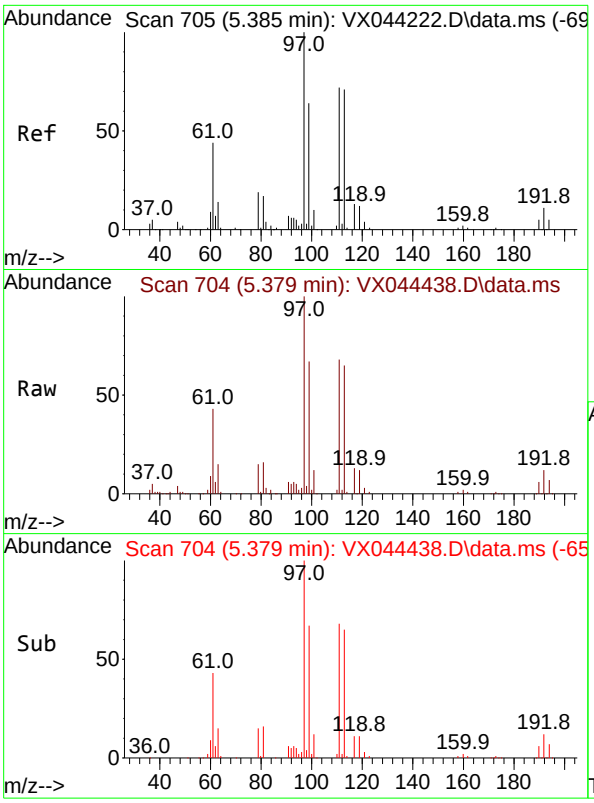




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:114 Resp: 226018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 40.6 |
| 88 | 16.5 | 0.0 | 31.8 |



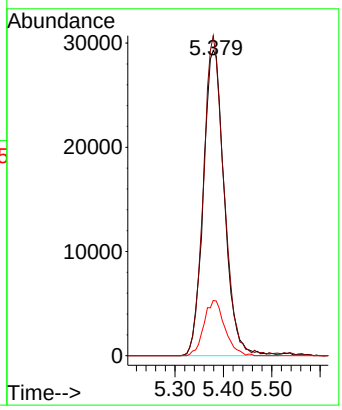


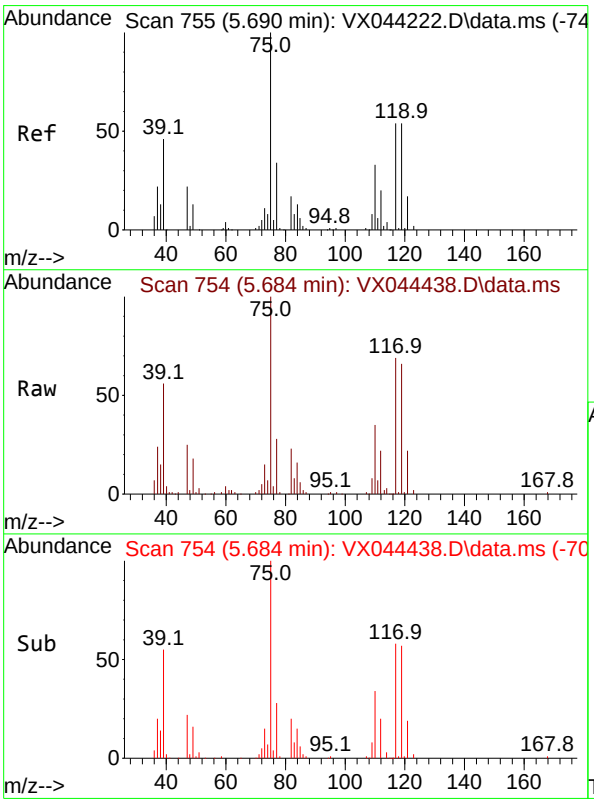

#35
Dibromofluoromethane
Concen: 56.586 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 88578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.0 | 80.4 | 120.6 |
| 192 | 18.0 | 13.3 | 19.9 |

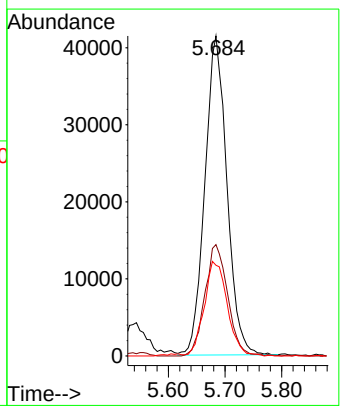


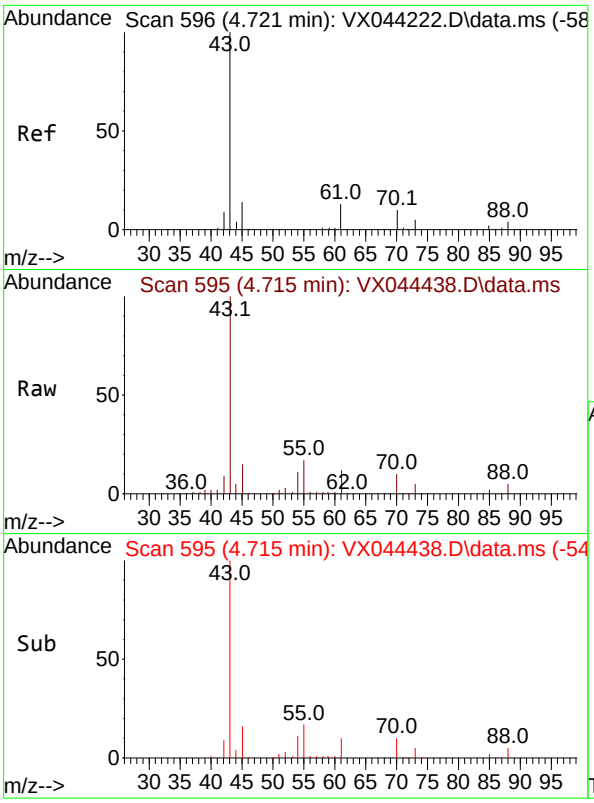




#36
1,1-Dichloropropene
Concen: 55.205 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 75 Resp: 111706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.3 | 17.3 | 51.7 |
| 77 | 31.1 | 25.4 | 38.0 |



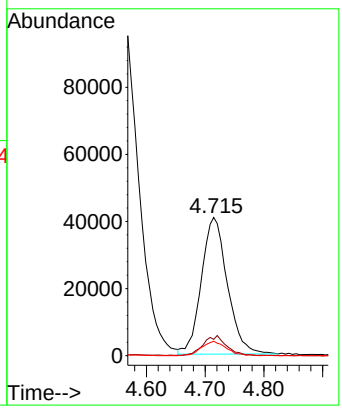


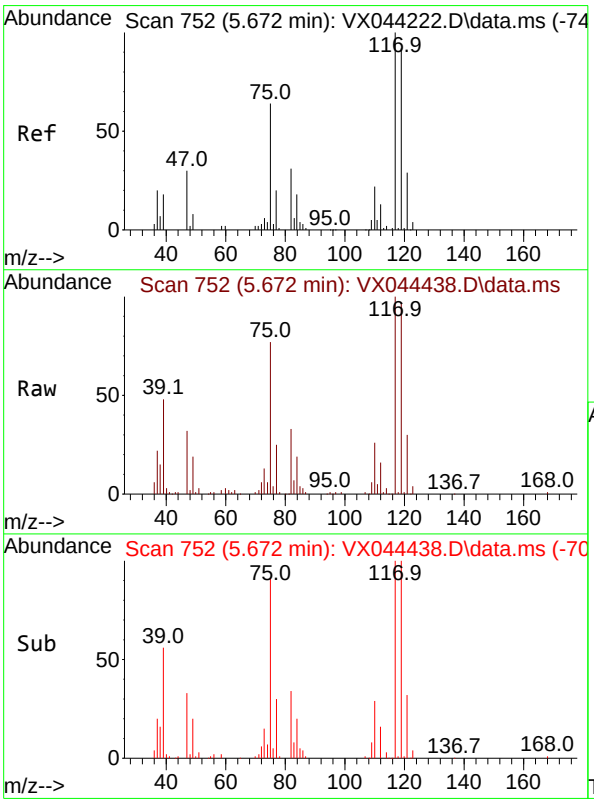

#37
Ethyl Acetate
Concen: 50.217 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 125607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.7 | 9.8 | 14.8 |
| 70 | 10.0 | 7.7 | 11.5 |

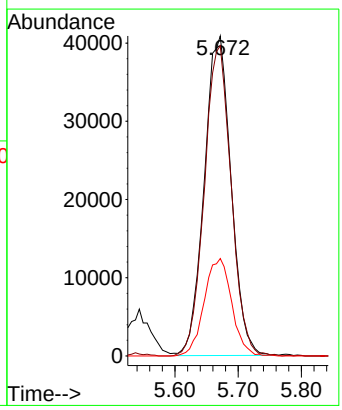


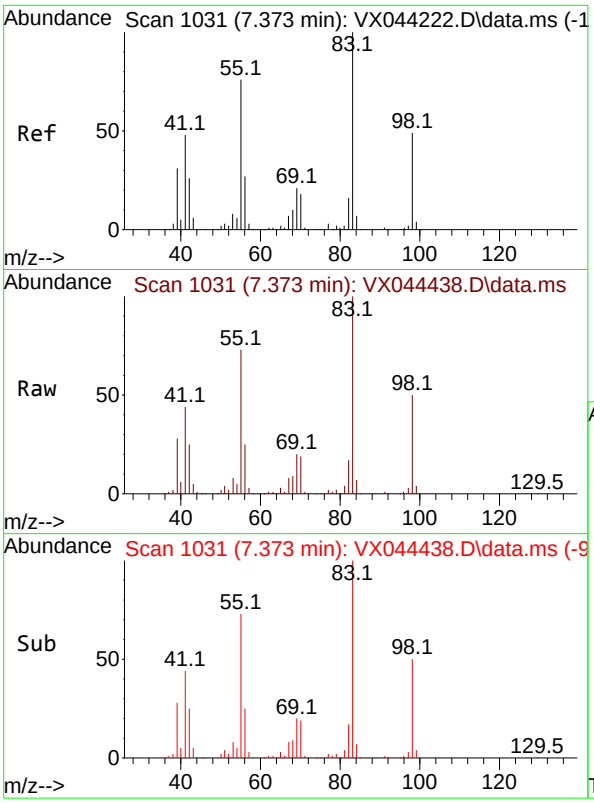




#38
Carbon Tetrachloride
Concen: 55.304 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:117 Resp: 120478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.8 | 74.2 | 111.4 |
| 121 | 30.5 | 23.0 | 34.6 |



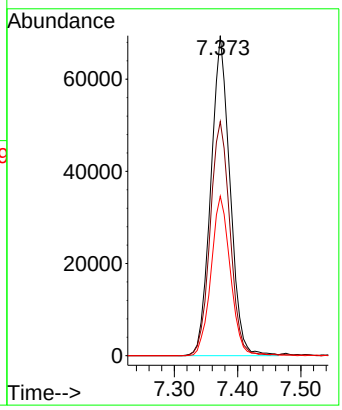


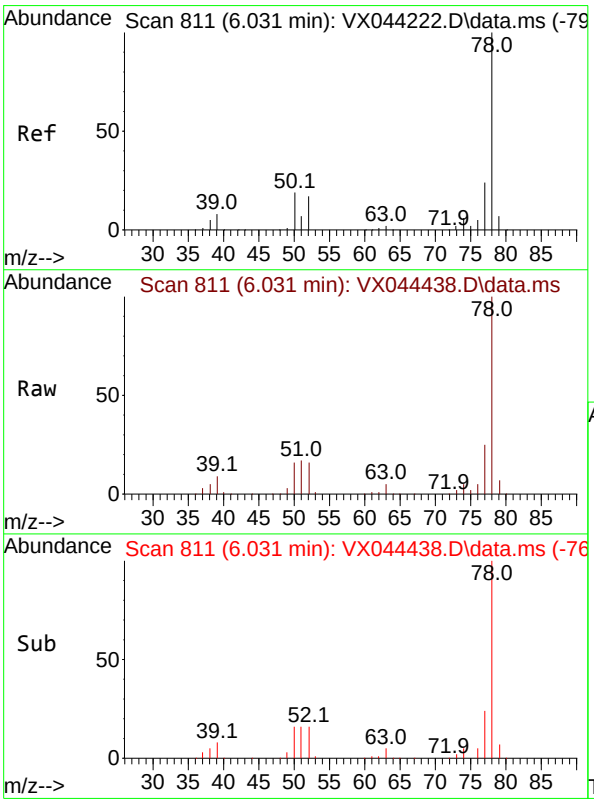

#39
Methylcyclohexane
Concen: 60.512 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 146379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.1 | 60.7 | 91.1 |
| 98 | 49.8 | 38.9 | 58.3 |

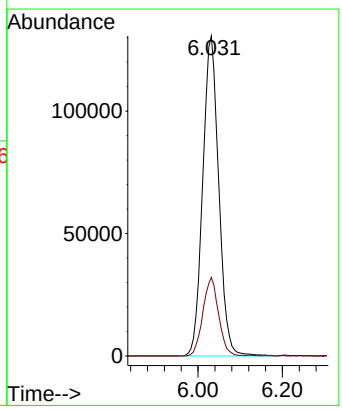


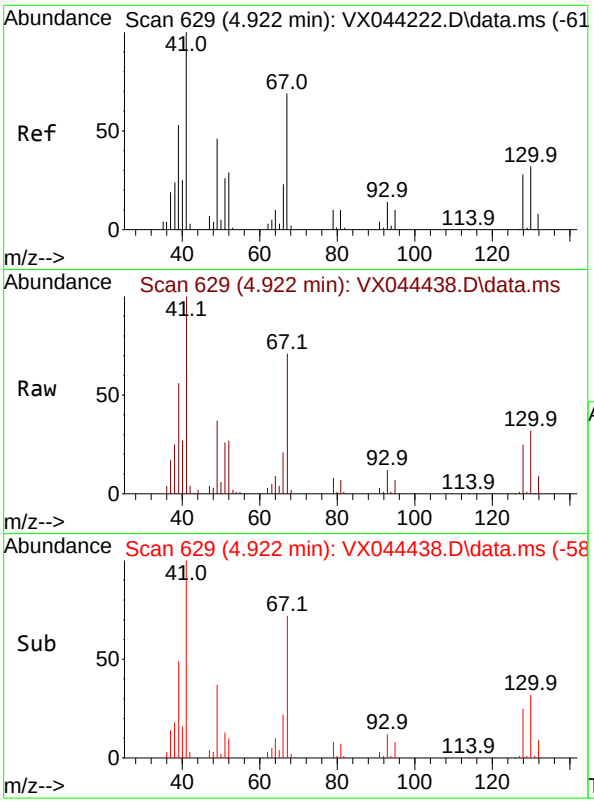




#40
Benzene
Concen: 56.259 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 78 Resp: 345635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 19.3 | 28.9 |



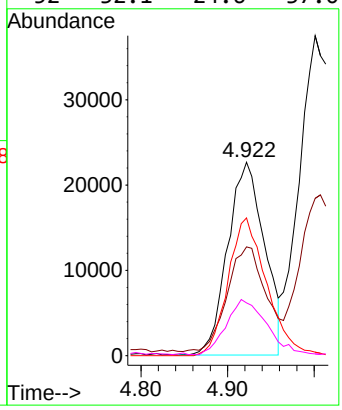


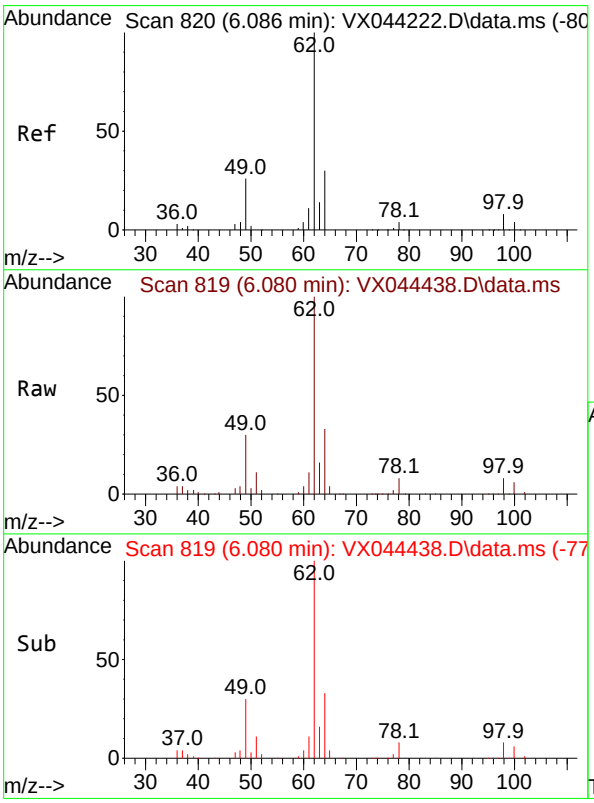

#41
Methacrylonitrile
Concen: 50.310 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 66821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.0 | 44.2 | 66.4 |
| 67 | 74.9 | 57.2 | 85.8 |
| 52 | 32.1 | 24.6 | 37.0 |

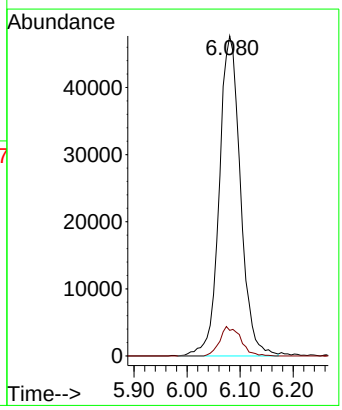


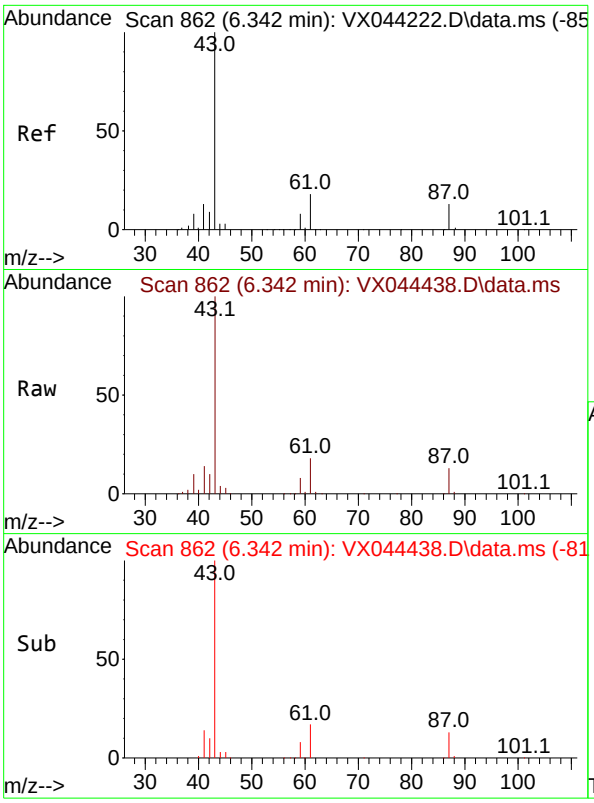




#42
1,2-Dichloroethane
Concen: 52.362 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 62 Resp: 132516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 15.8 |



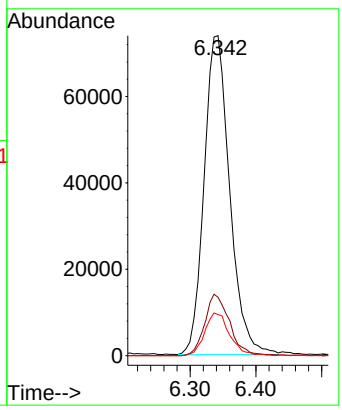


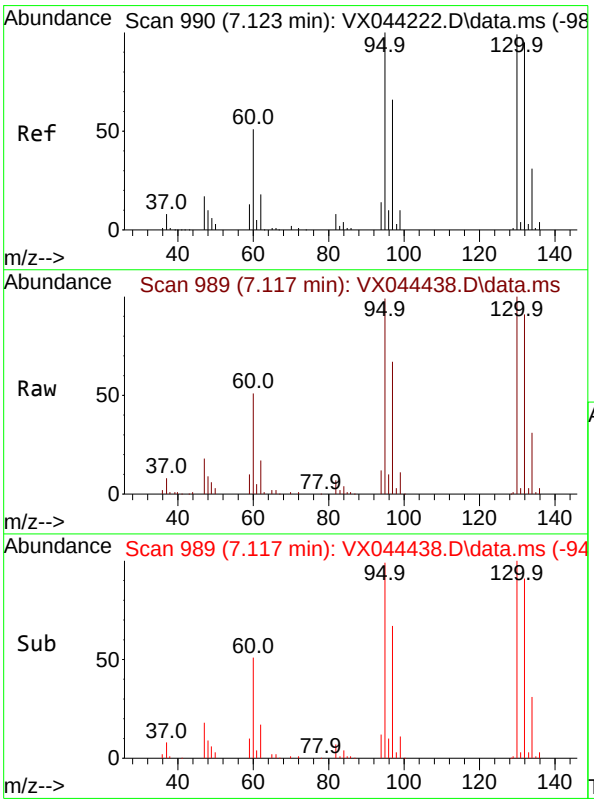

#43
Isopropyl Acetate
Concen: 51.076 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 199677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.8 | 14.2 | 21.2 |
| 87 | 13.1 | 10.2 | 15.2 |

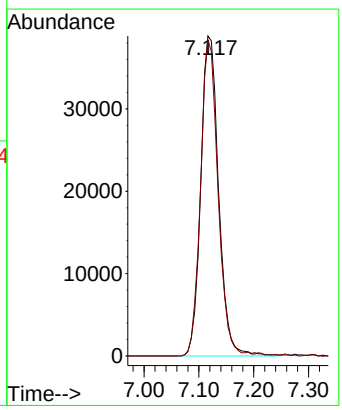


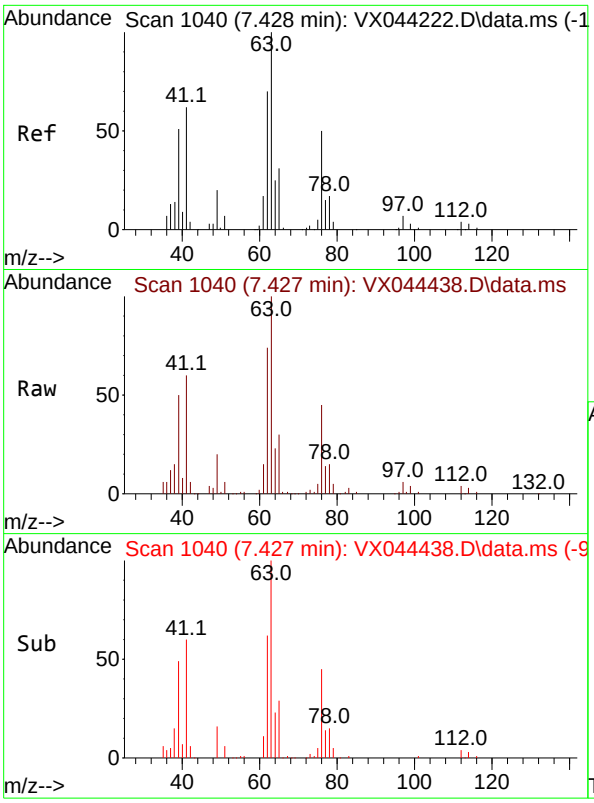




#44
Trichloroethene
Concen: 57.285 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:130 Resp: 87763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.7 | 0.0 | 201.4 |



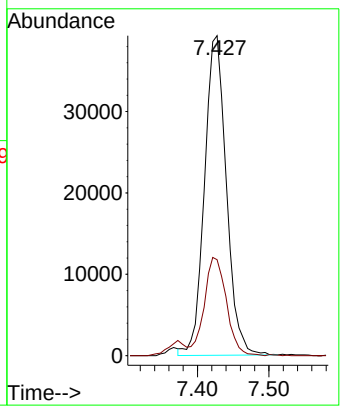


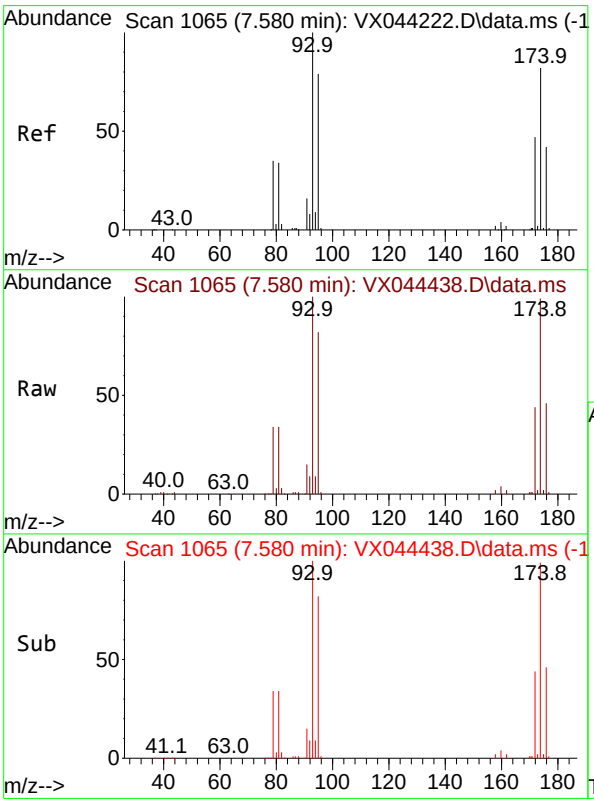

#45
1,2-Dichloropropane
Concen: 53.131 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 83393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.9 | 24.6 | 37.0 |

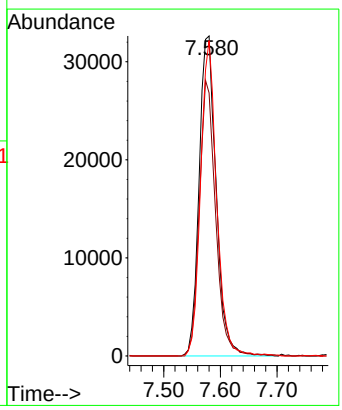


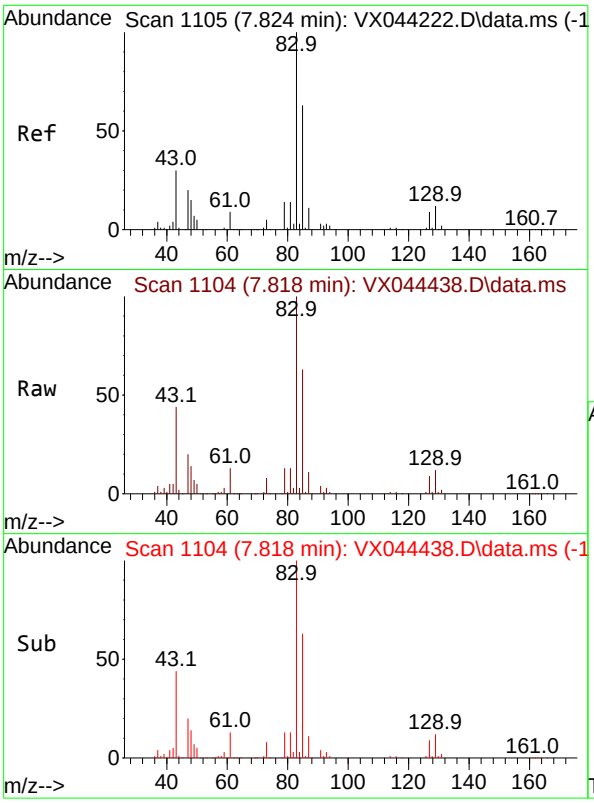




#46
Dibromomethane
Concen: 55.676 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 93 Resp: 67796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.4 | 98.2 |
| 174 | 93.2 | 67.9 | 101.9 |



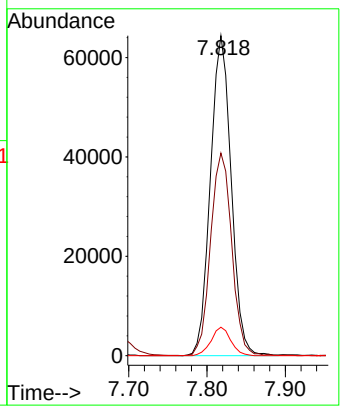


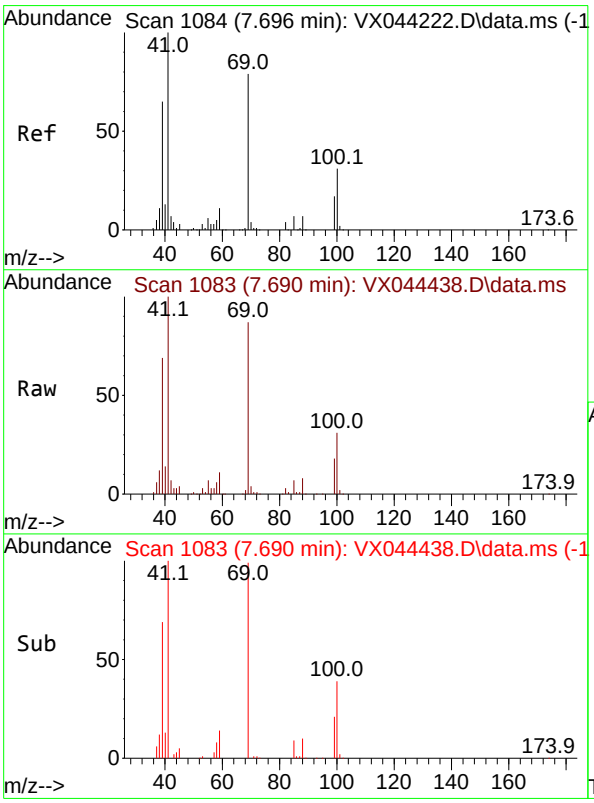

#47
Bromodichloromethane
Concen: 56.402 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 118614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 50.6 | 75.8 |
| 127 | 8.9 | 7.3 | 10.9 |

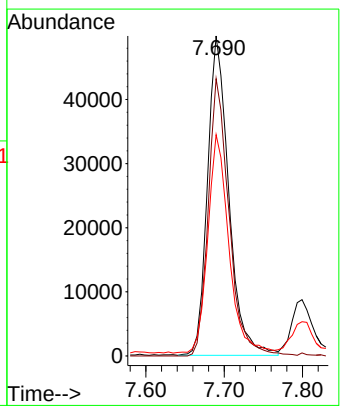


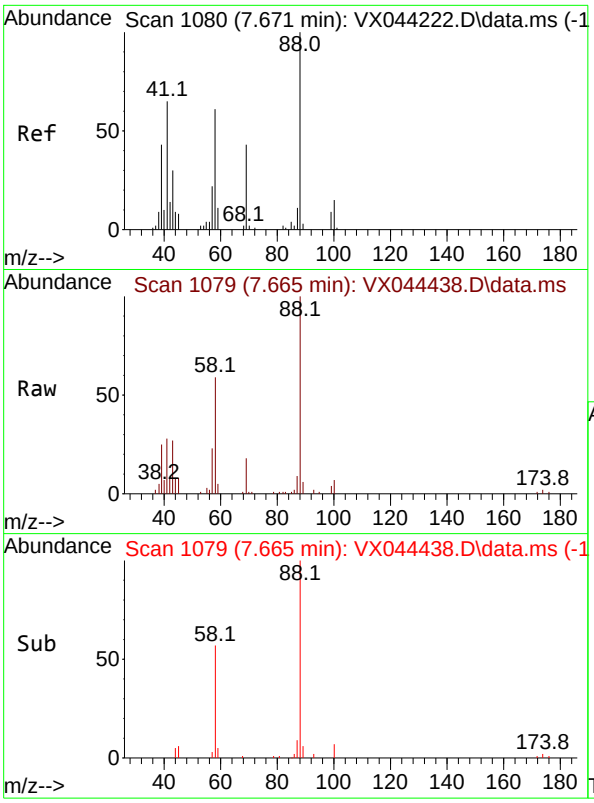




#48
Methyl methacrylate
Concen: 49.554 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 41 Resp: 94040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 85.0 | 62.4 | 93.6 |
| 39 | 67.5 | 53.3 | 79.9 |



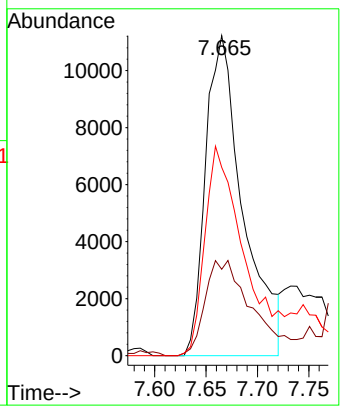


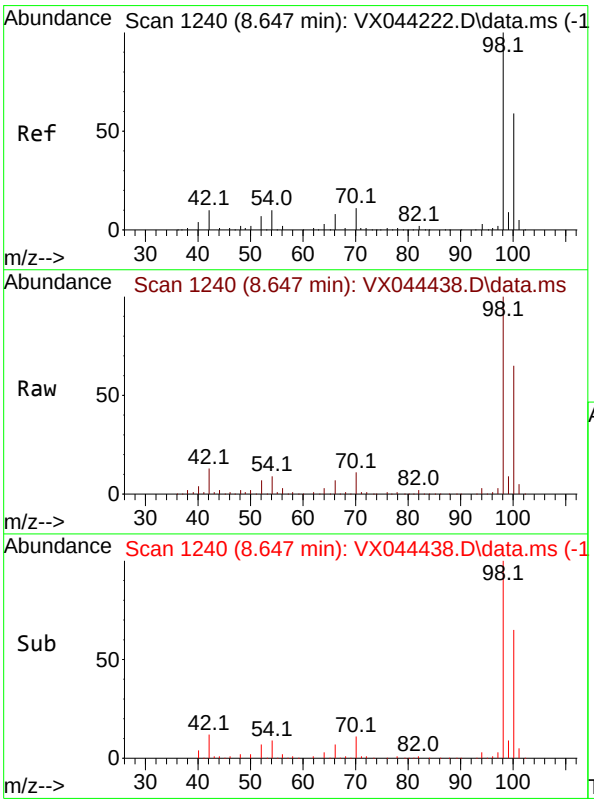

#49
1,4-Dioxane
Concen: 906.120 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 28510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.0 | 27.1 | 40.7 |
| 58 | 69.1 | 41.0 | 61.4# |

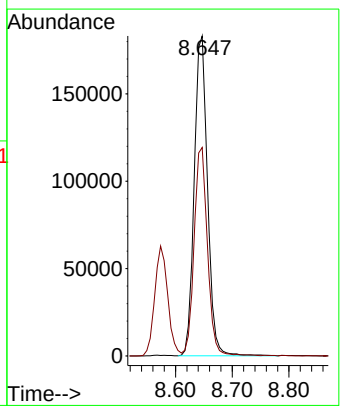


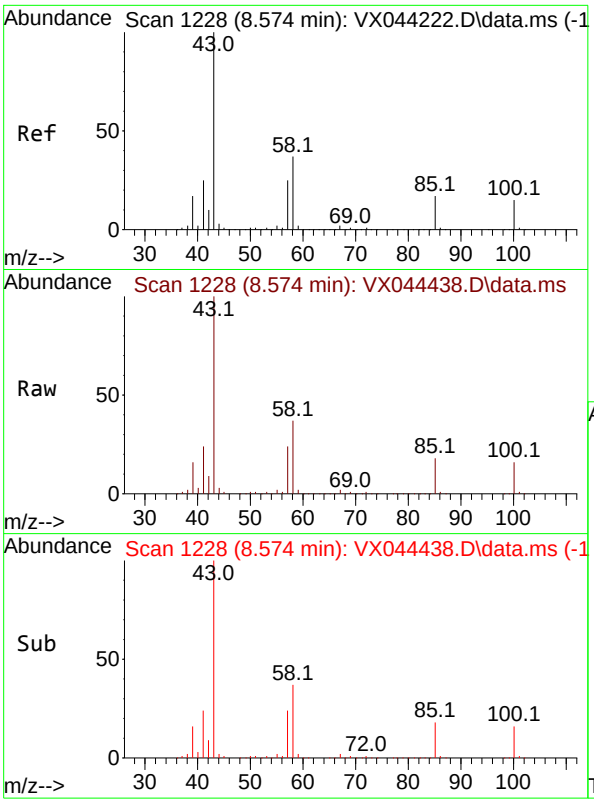




#50
Toluene-d8
Concen: 56.385 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 98 Resp: 297779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 51.5 | 77.3 |



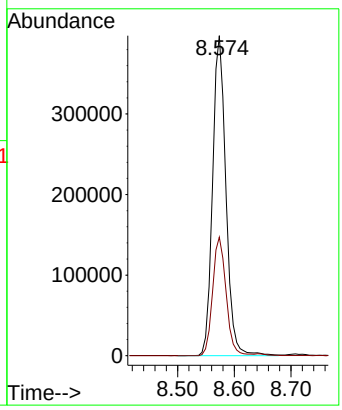


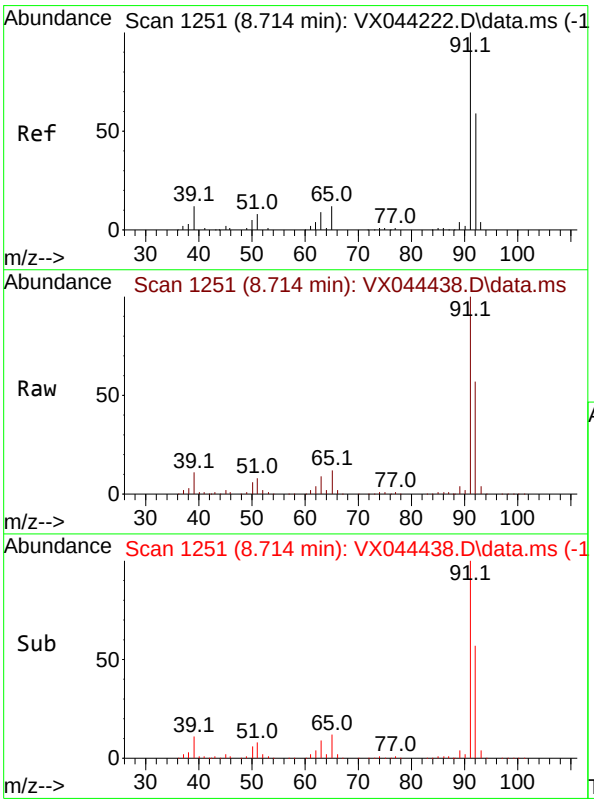

#51
4-Methyl-2-Pentanone
Concen: 257.494 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 647258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.4 | 29.4 | 44.0 |

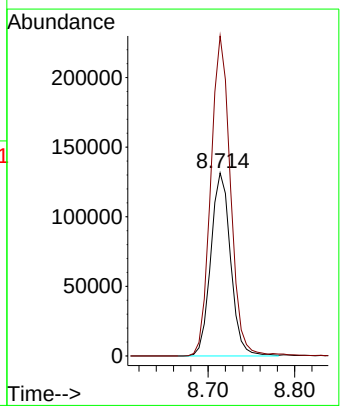


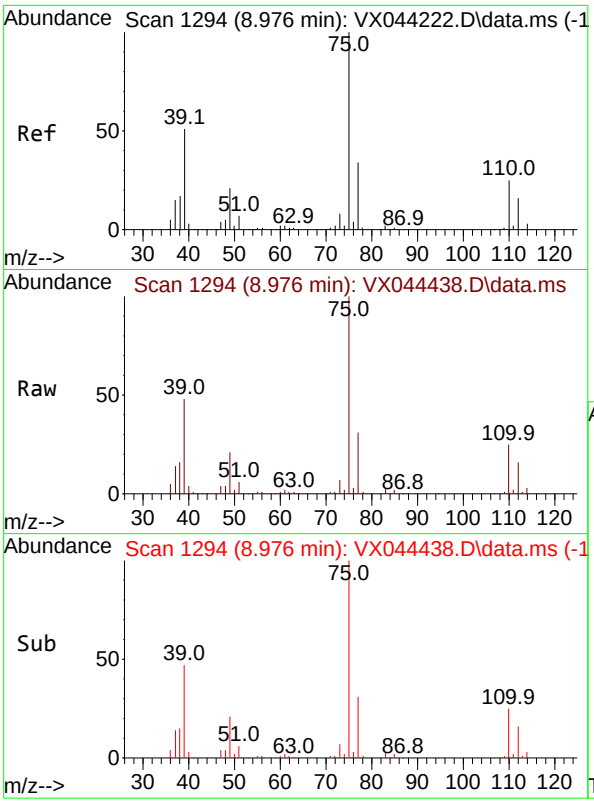




#52
Toluene
Concen: 54.120 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 92 Resp: 208798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.6 | 137.0 | 205.6 |



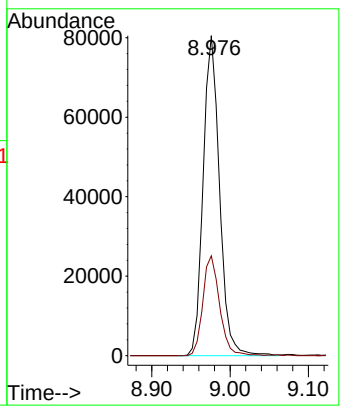


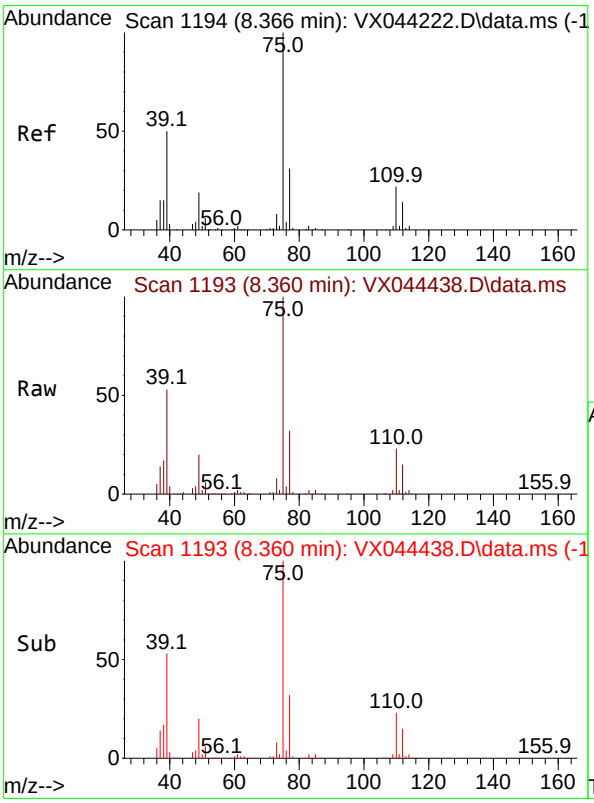

#53
t-1,3-Dichloropropene
Concen: 51.640 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 116841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 27.2 | 40.8 |

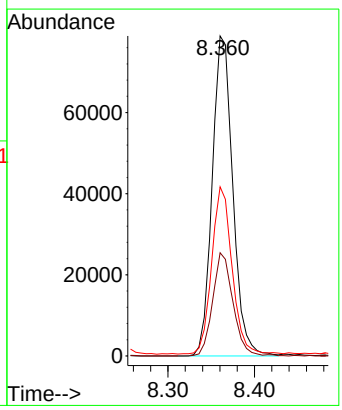


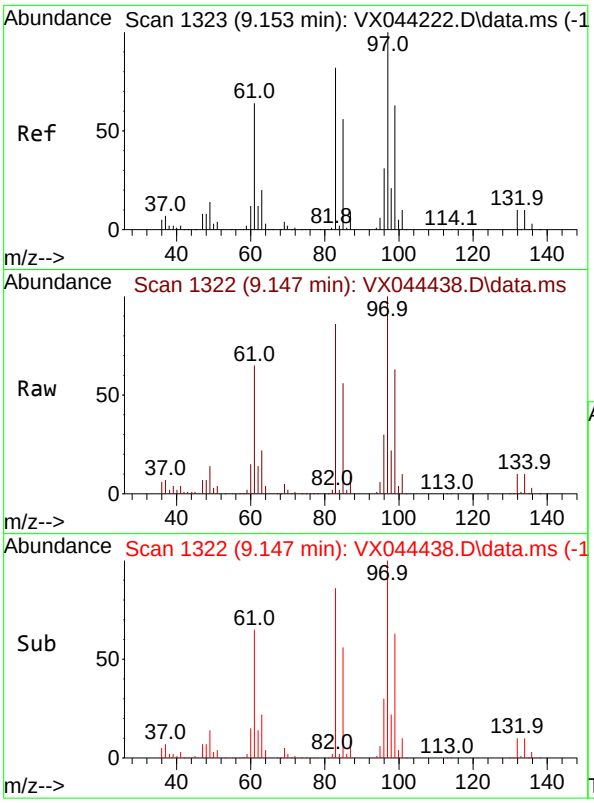




#54
cis-1,3-Dichloropropene
Concen: 56.913 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 75 Resp: 130320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 24.7 | 37.1 |
| 39 | 52.3 | 40.3 | 60.5 |



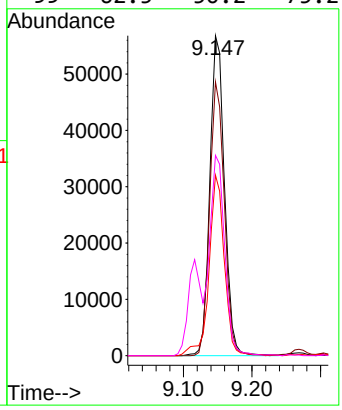


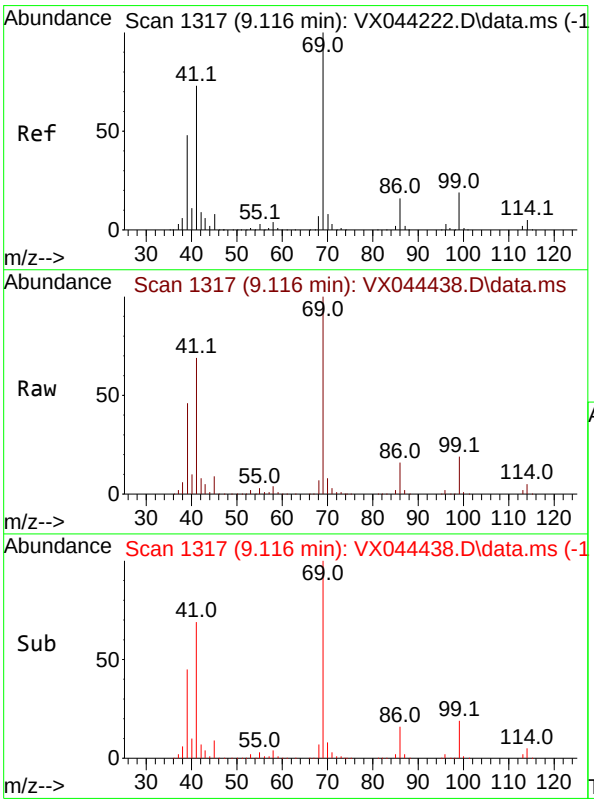

#55
1,1,2-Trichloroethane
Concen: 55.124 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 84487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 65.3 | 97.9 |
| 85 | 56.4 | 44.6 | 67.0 |
| 99 | 62.5 | 50.2 | 75.2 |

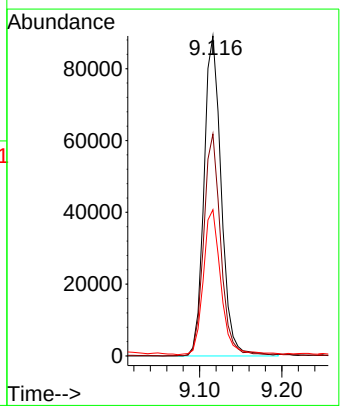


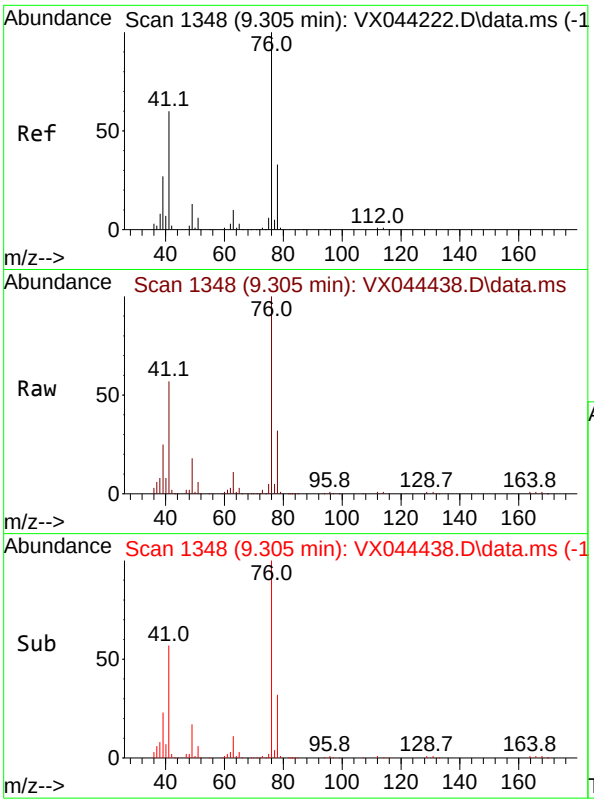




#56
Ethyl methacrylate
Concen: 53.800 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 69 Resp: 130175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.3 | 56.6 | 85.0 |
| 39 | 46.2 | 37.4 | 56.0 |



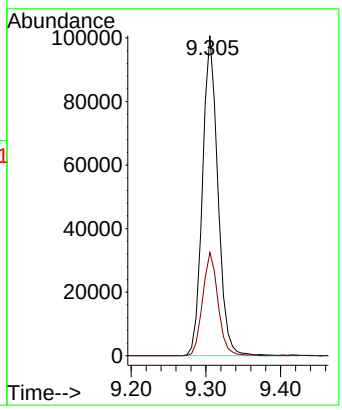


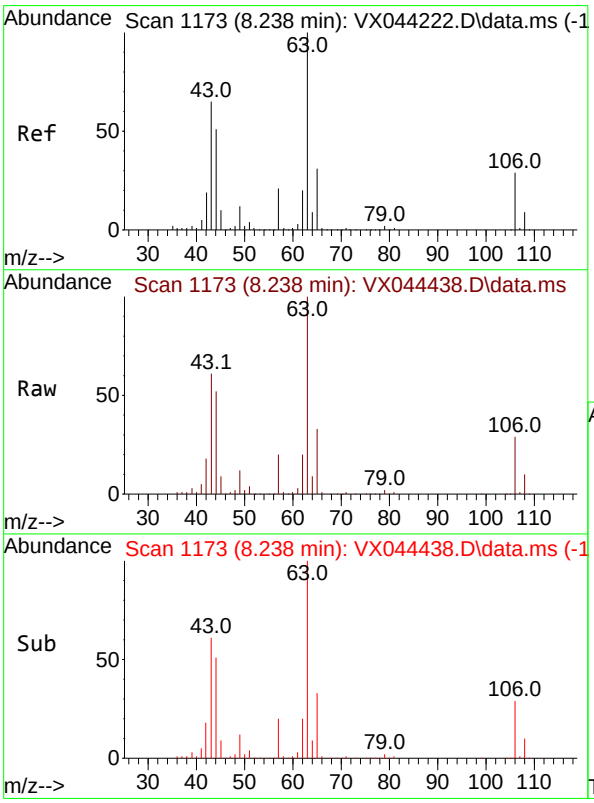

#57
1,3-Dichloropropane
Concen: 53.824 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 143590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.5 | 39.7 |

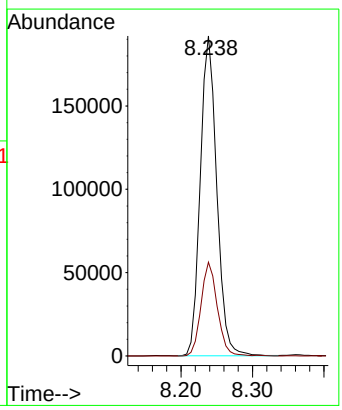


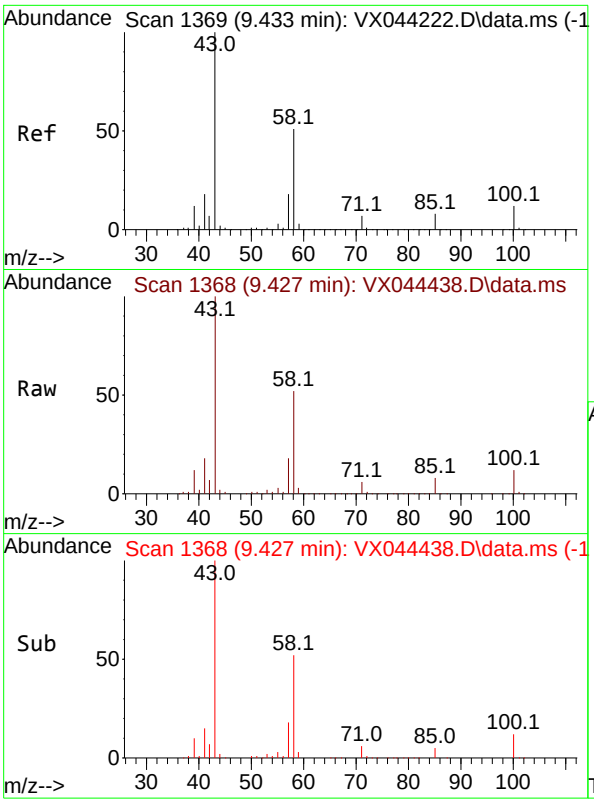




#58
2-Chloroethyl Vinyl ether
Concen: 252.070 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 63 Resp: 307620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.0 | 22.8 | 34.2 |



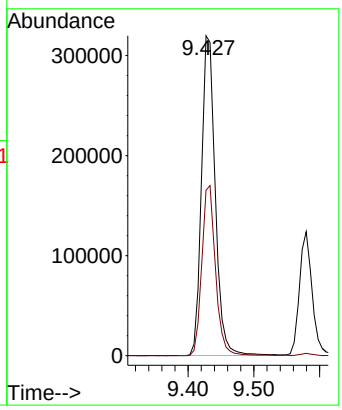


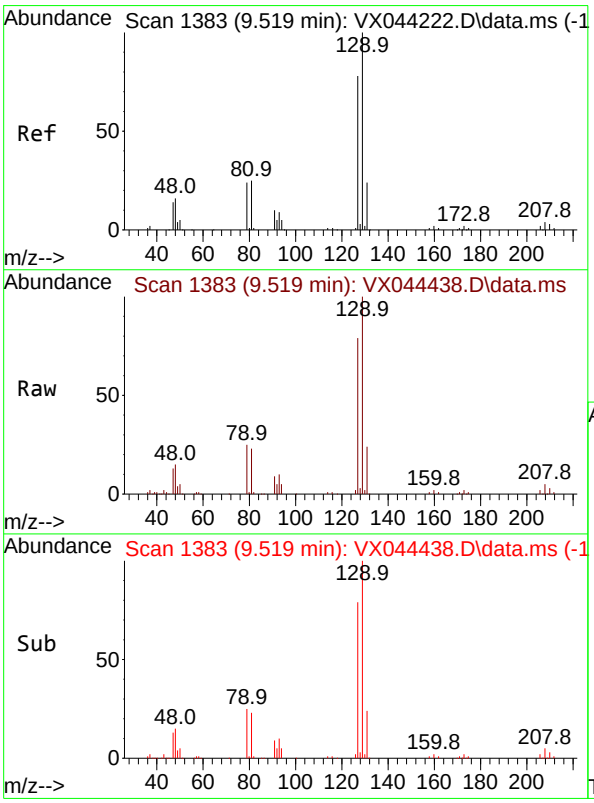

#59
2-Hexanone
Concen: 256.860 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 467347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 25.7 | 77.0 |

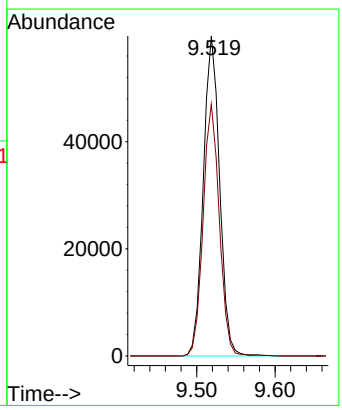


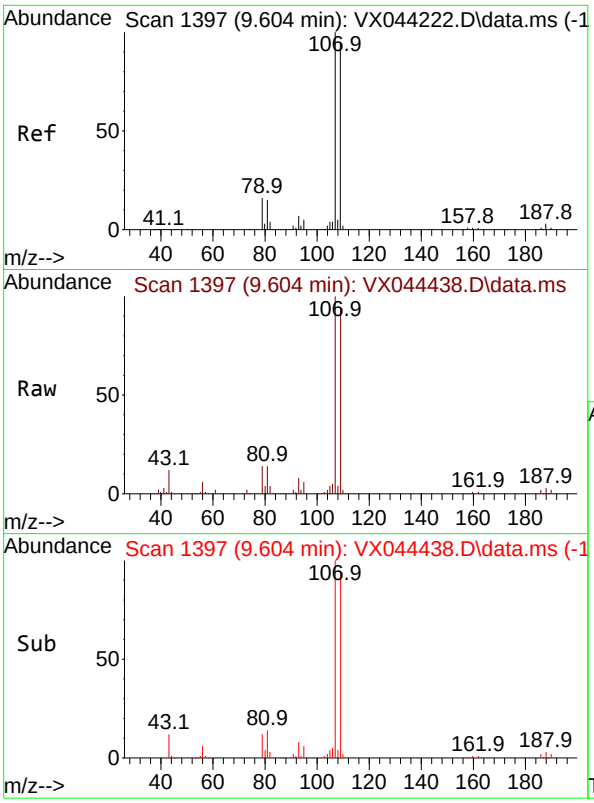




#60
Dibromochloromethane
Concen: 52.901 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:129 Resp: 86207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 38.5 | 115.3 |



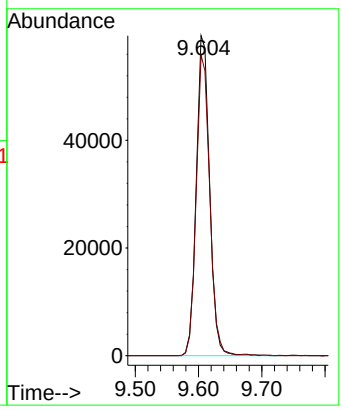


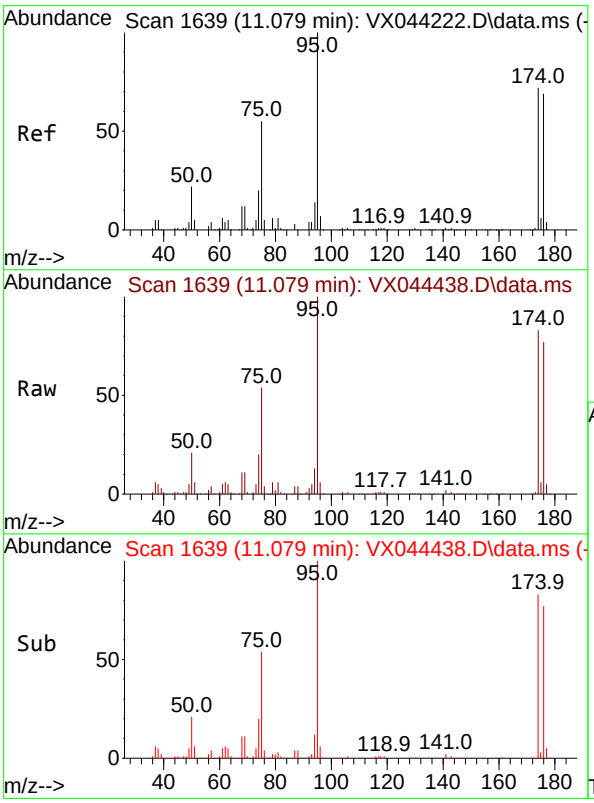

#61
1,2-Dibromoethane
Concen: 55.721 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 86930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.3 | 77.0 | 115.4 |

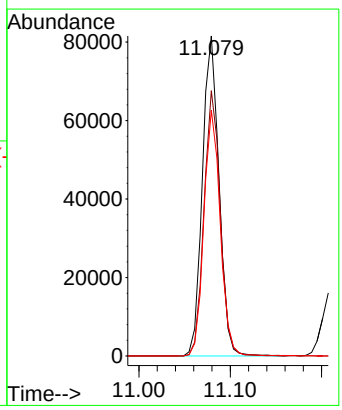


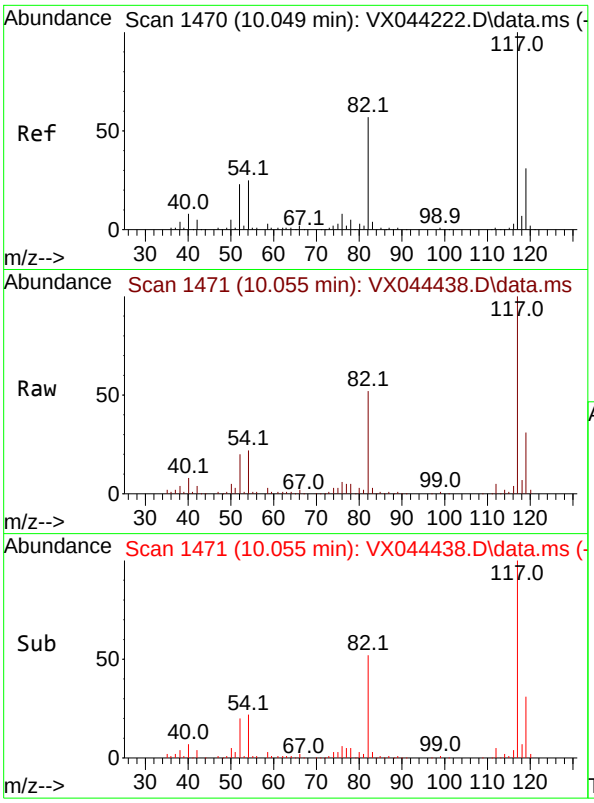




#62
4-Bromofluorobenzene
Concen: 55.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 95 Resp: 102676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.4 | 0.0 | 145.8 |
| 176 | 75.6 | 0.0 | 137.8 |



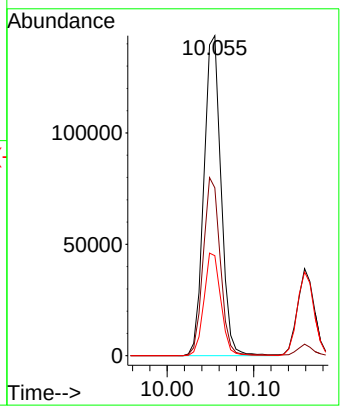


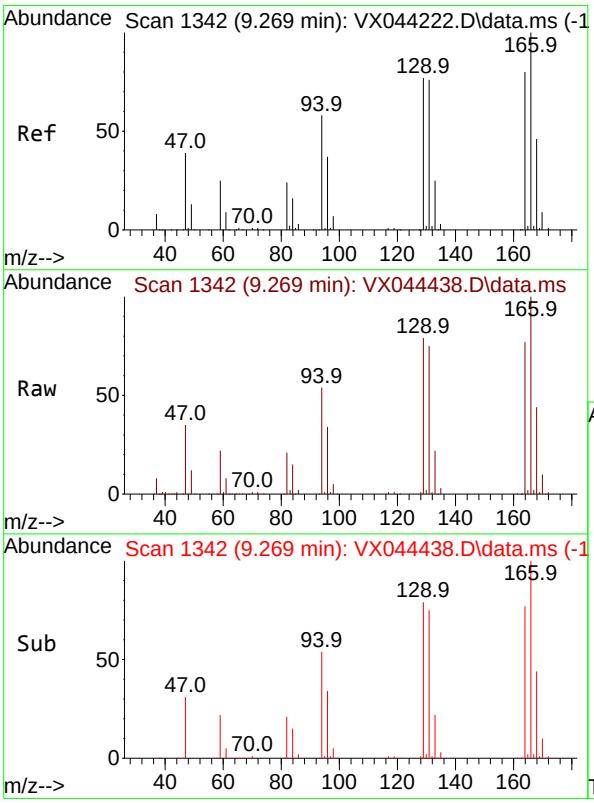

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 197543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.5 | 45.8 | 68.8 |
| 119 | 31.3 | 25.0 | 37.4 |

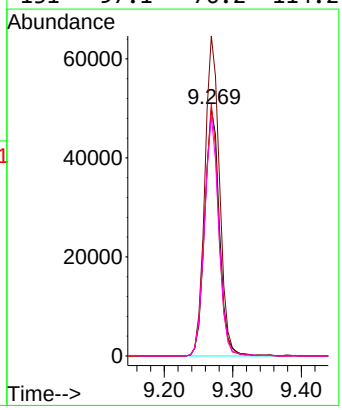


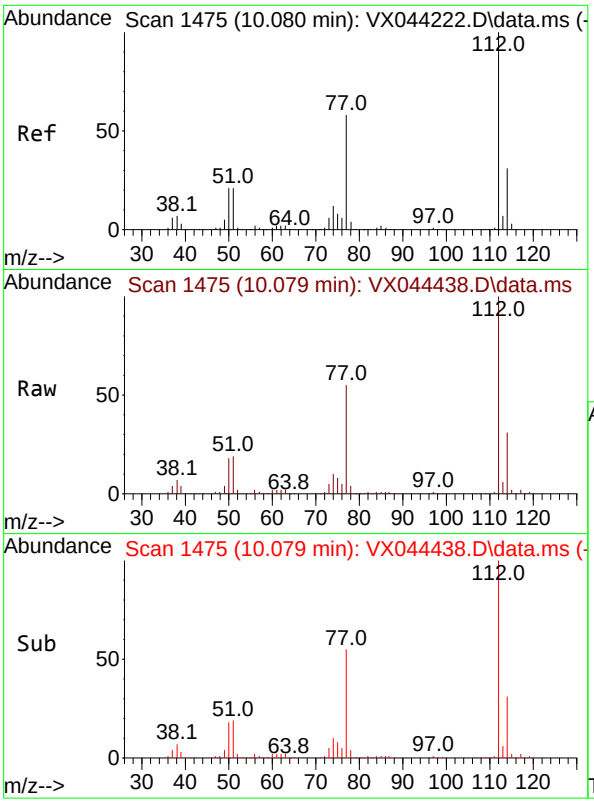




#64
Tetrachloroethene
Concen: 57.001 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:164 Resp: 74735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.3 | 100.4 | 150.6 |
| 129 | 101.8 | 77.2 | 115.8 |
| 131 | 97.1 | 76.2 | 114.2 |



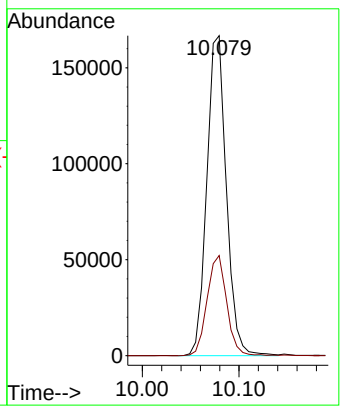


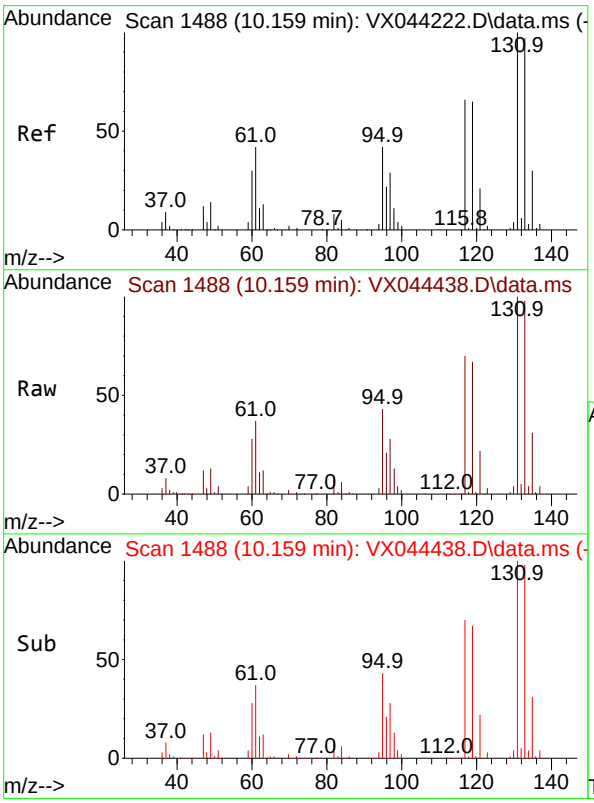

#65
Chlorobenzene
Concen: 55.402 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 234513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.0 | 37.6 |

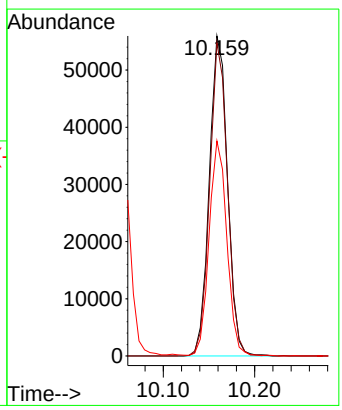


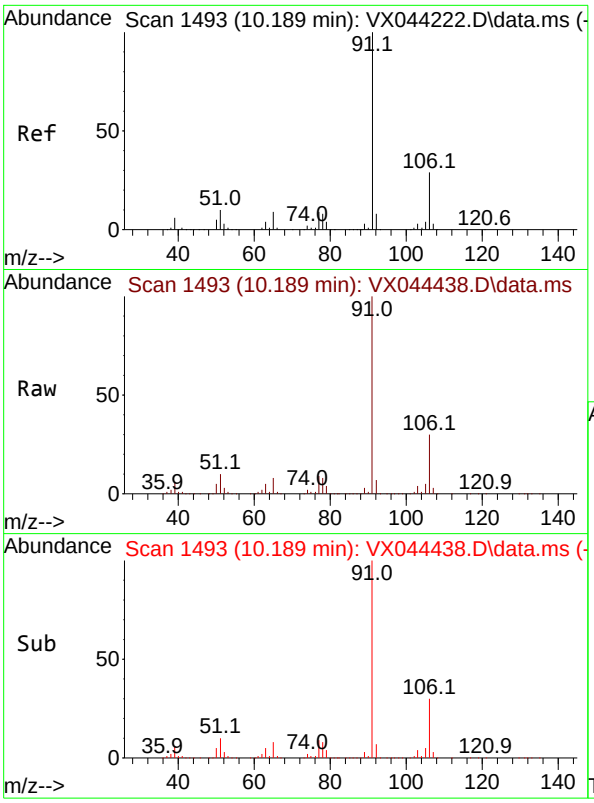




#66
1,1,1,2-Tetrachloroethane
Concen: 56.959 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:131 Resp: 77487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.5 | 47.3 | 141.8 |
| 119 | 65.6 | 31.6 | 95.0 |



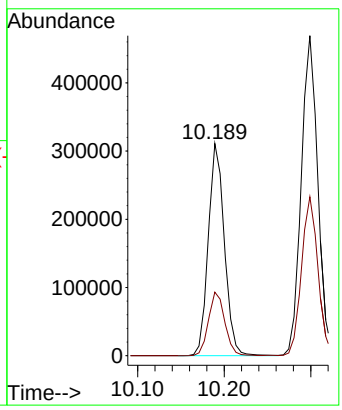


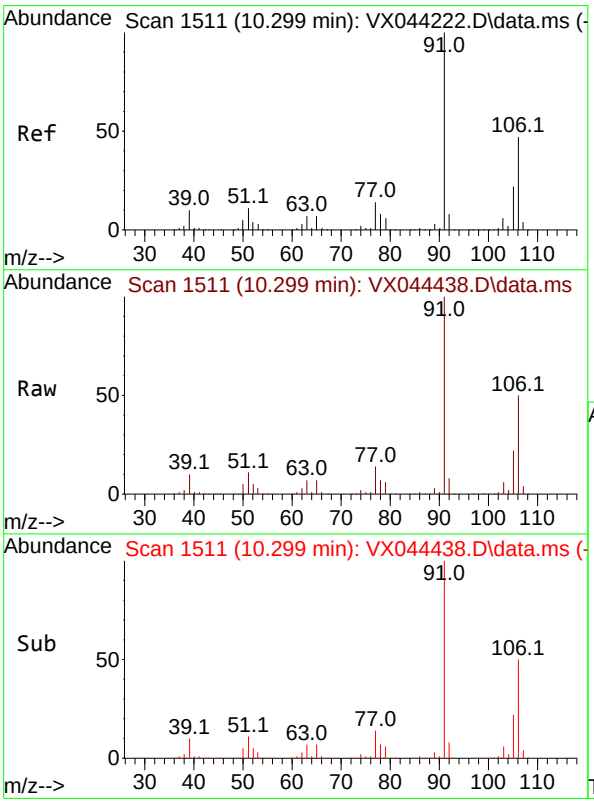

#67
Ethyl Benzene
Concen: 54.936 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 401792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 23.5 | 35.3 |

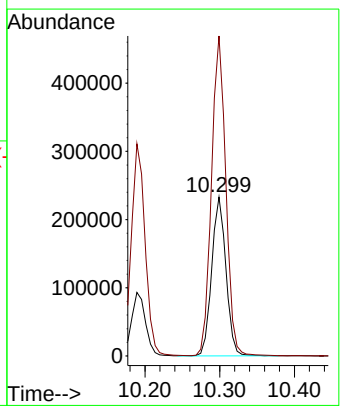


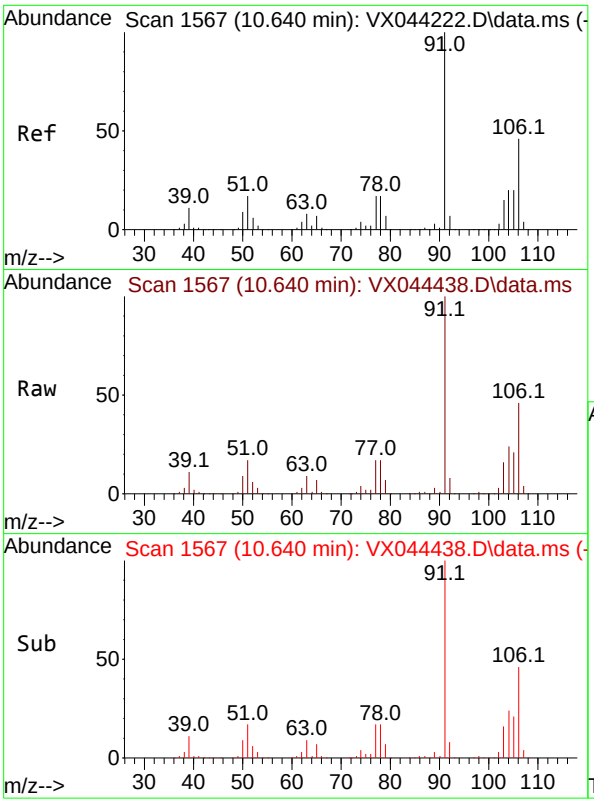




#68
m/p-Xylenes
Concen: 114.771 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:106 Resp: 308013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.5 | 170.2 | 255.2 |



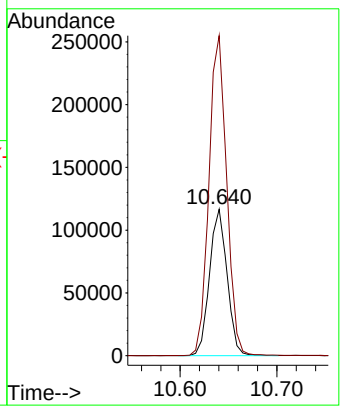


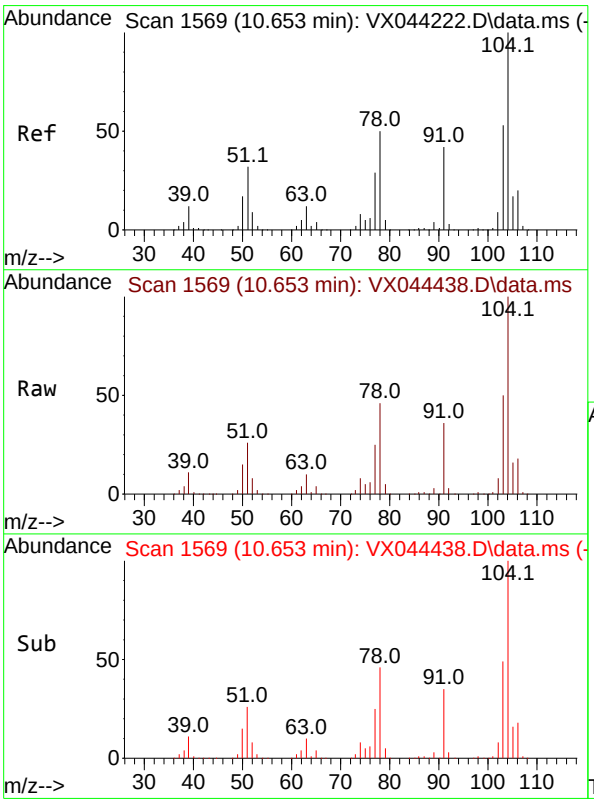

#69
o-Xylene
Concen: 54.389 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 147688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.8 | 112.3 | 337.0 |

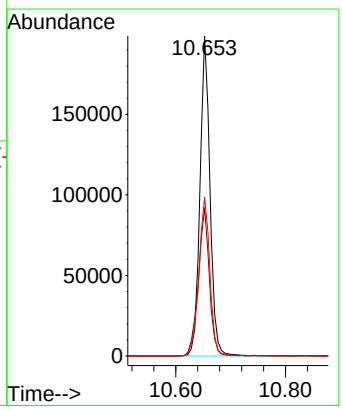


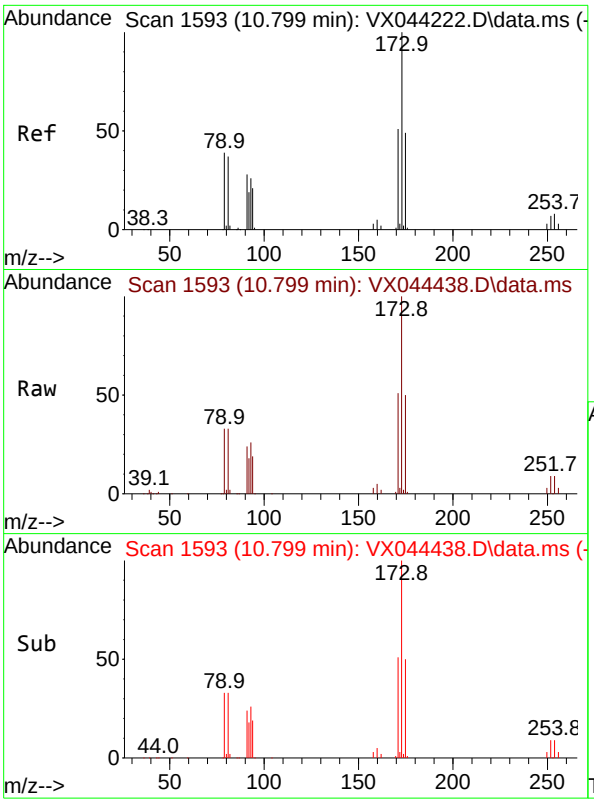




#70
Styrene
Concen: 57.862 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:104 Resp: 251875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.5 | 44.6 | 67.0 |
| 103 | 54.8 | 45.4 | 68.0 |



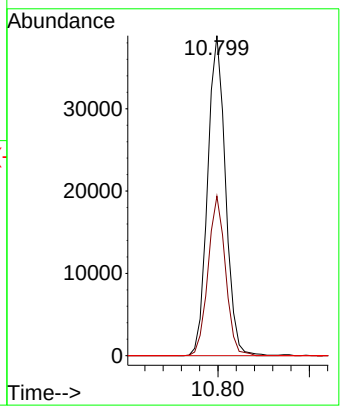


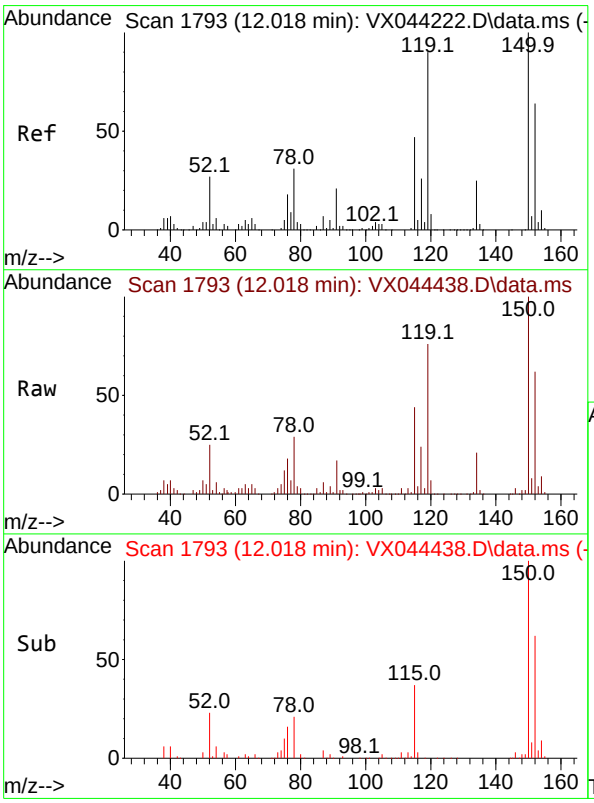

#71
Bromoform
Concen: 54.671 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 52602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.7 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

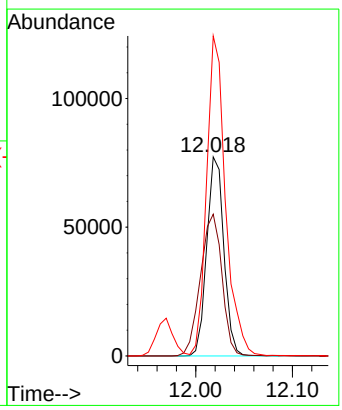


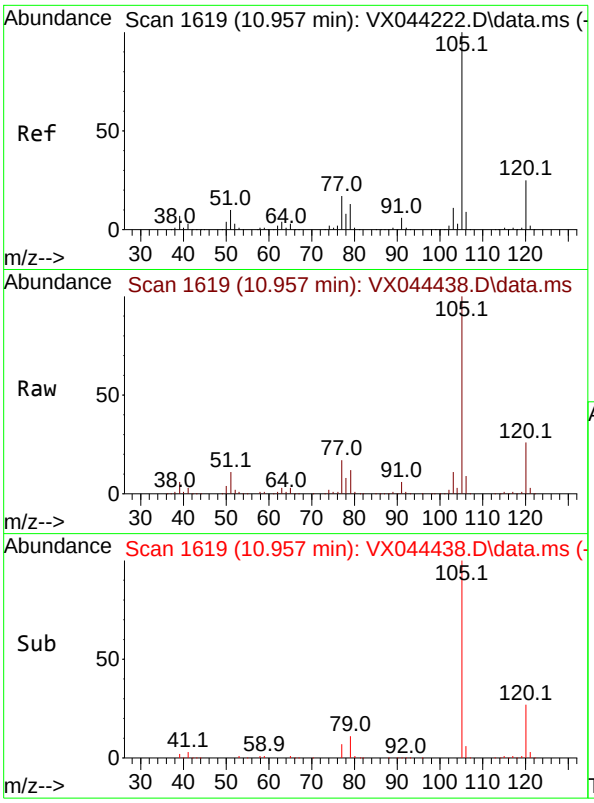




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:152 Resp: 95339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 89.6 | 44.5 | 133.3 |
| 150 | 177.4 | 0.0 | 353.8 |



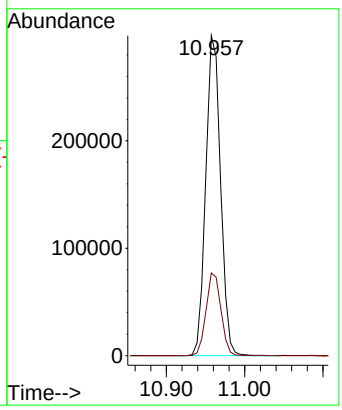


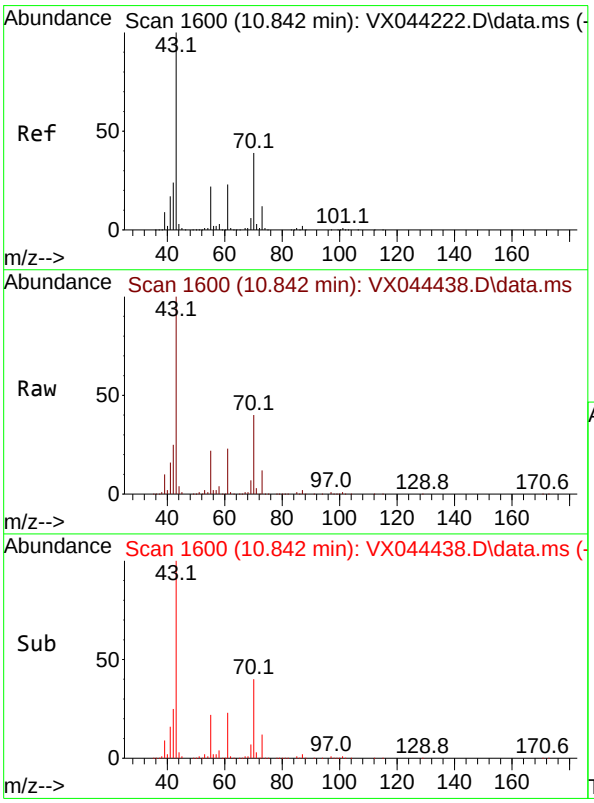

#73
Isopropylbenzene
Concen: 53.495 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 390438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.1 | 39.3 |

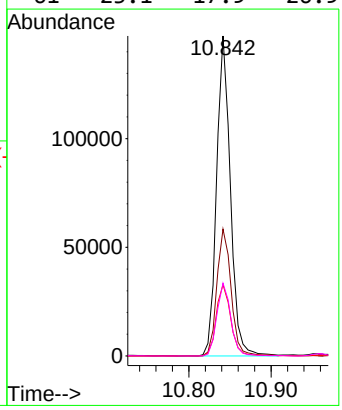


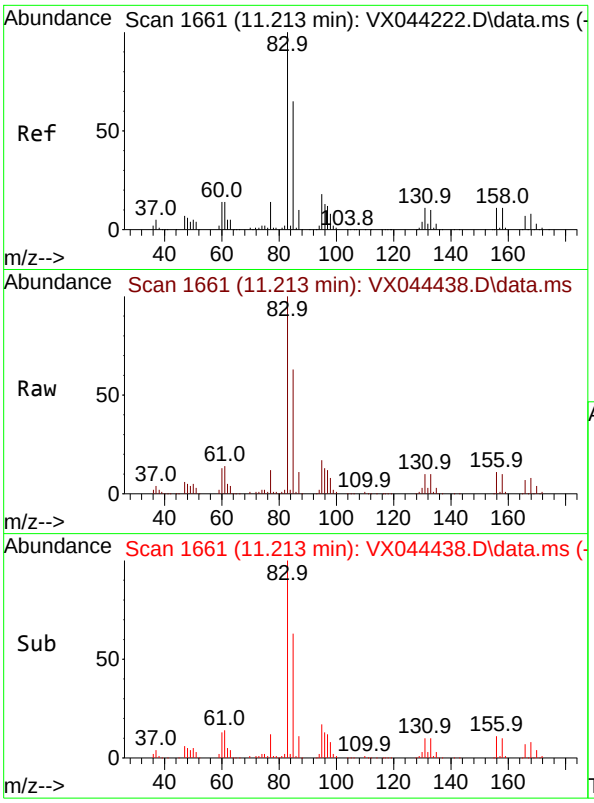




#74
N-amyl acetate
Concen: 50.885 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 43 Resp: 171638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.1 | 31.9 | 47.9 |
| 55 | 23.7 | 17.9 | 26.9 |
| 61 | 23.1 | 17.9 | 26.9 |



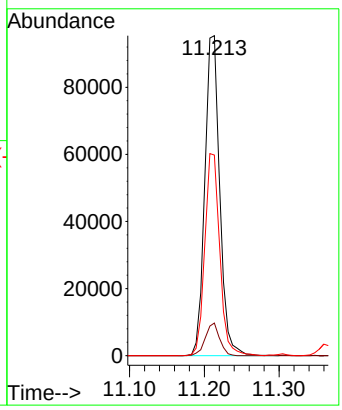


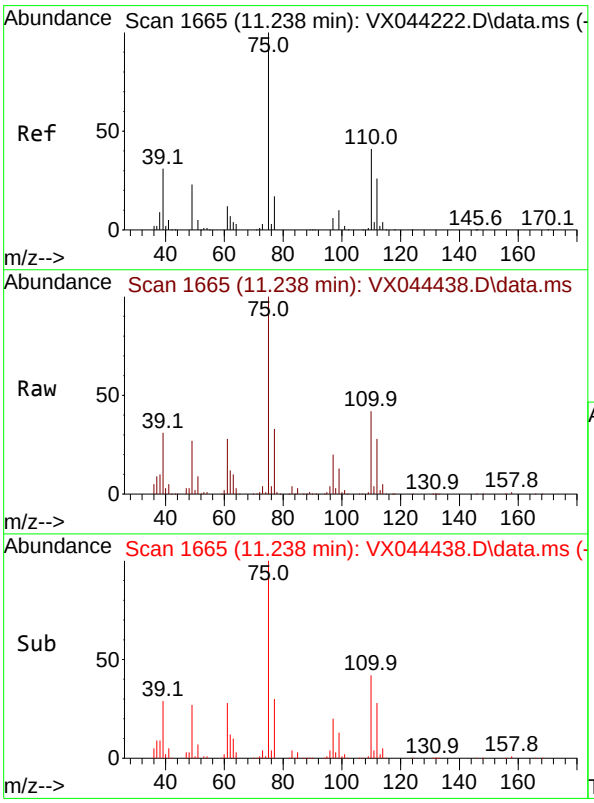

#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 132190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.1 | 15.4 |
| 85 | 63.4 | 32.5 | 97.4 |

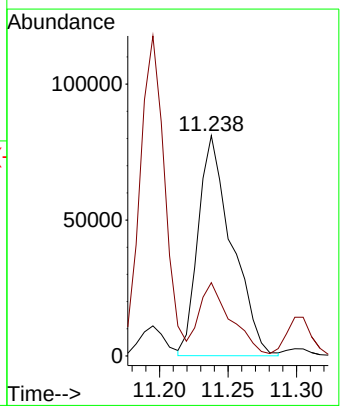


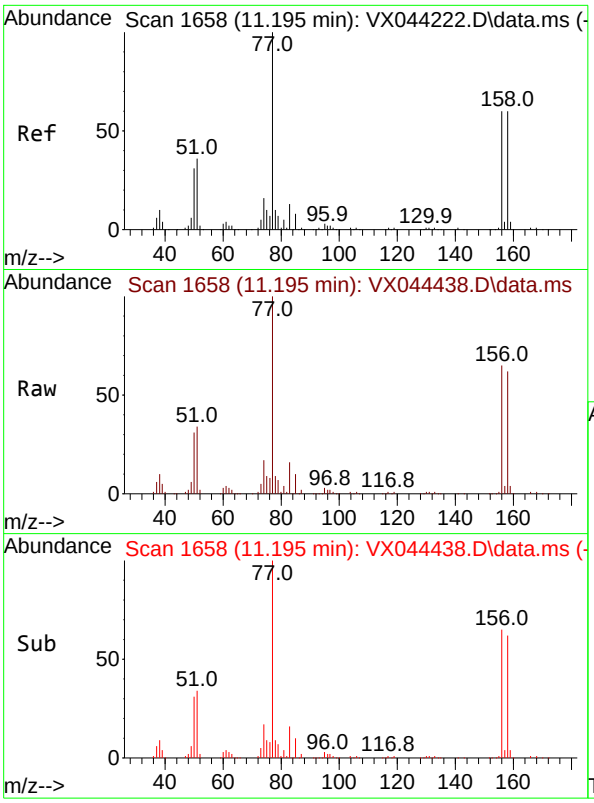




#76
1,2,3-Trichloropropane
Concen: 65.305 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 75 Resp: 139014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 20.9 | 62.7 |



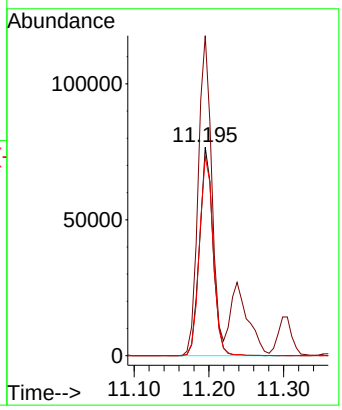


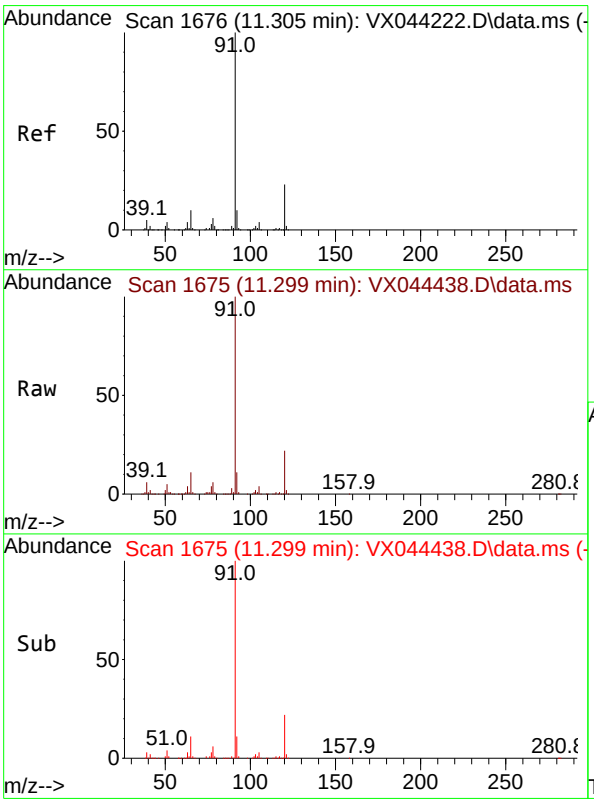

#77
Bromobenzene
Concen: 53.953 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 95489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.1 | 82.6 | 247.8 |
| 158 | 98.5 | 48.8 | 146.4 |

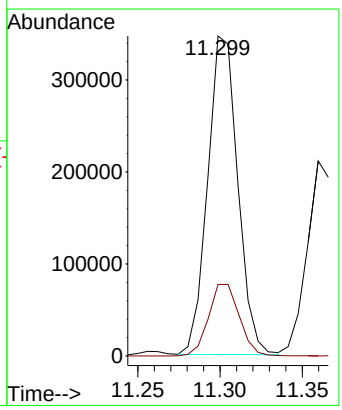


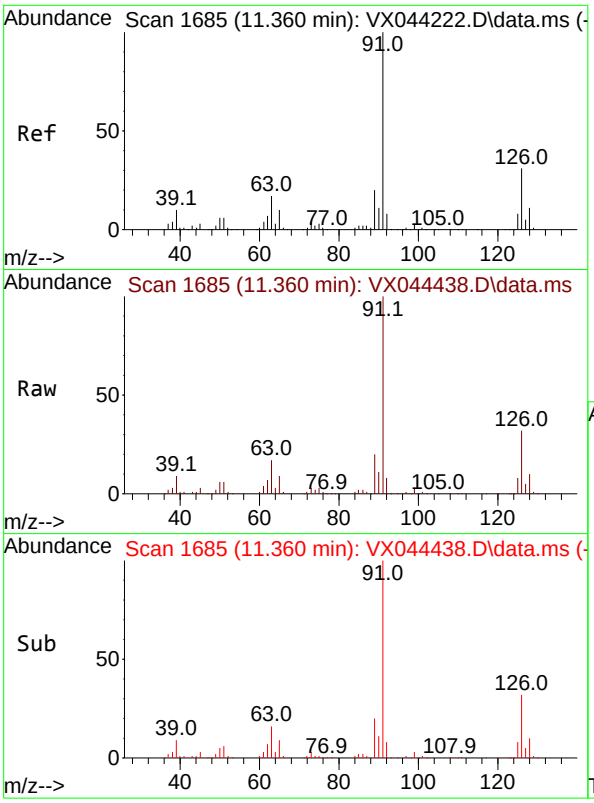




#78
n-propylbenzene
Concen: 54.741 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 91 Resp: 441589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.0 | 33.0 |



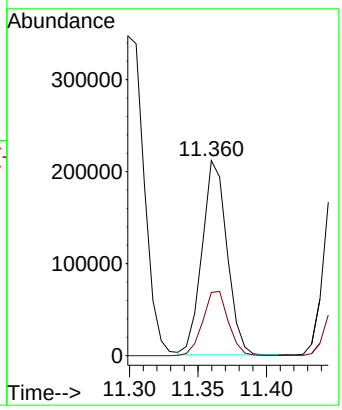


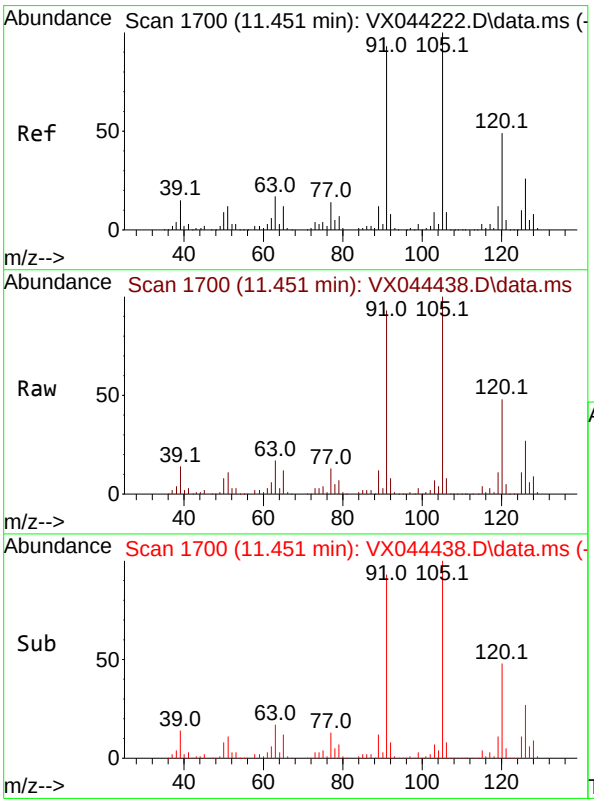

#79
2-Chlorotoluene
Concen: 51.311 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 267690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.9 | 16.4 | 49.1 |

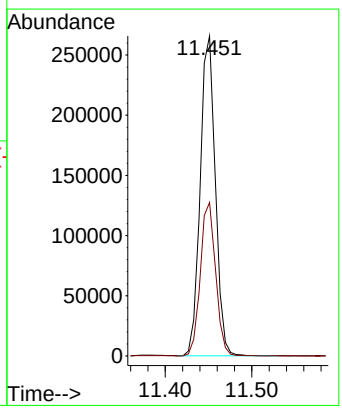


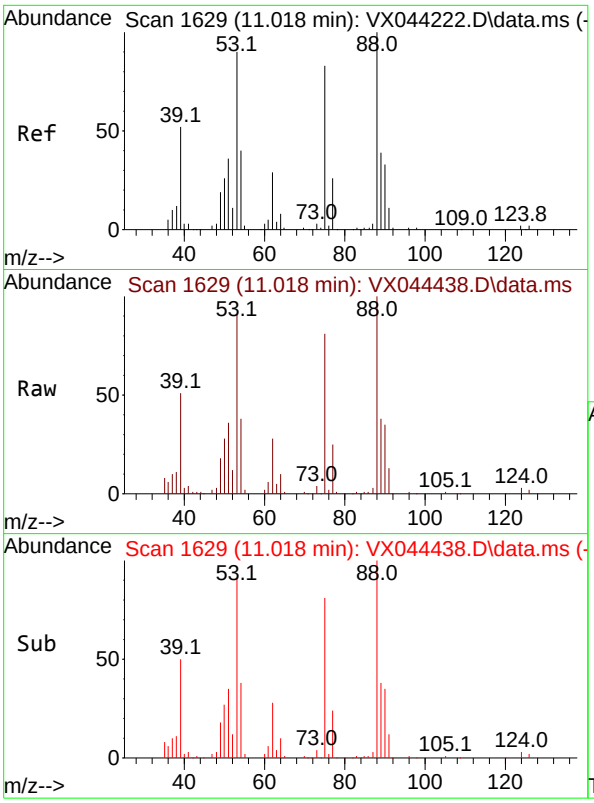




#80
1,3,5-Trimethylbenzene
Concen: 53.284 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:105 Resp: 322510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 23.8 | 71.4 |



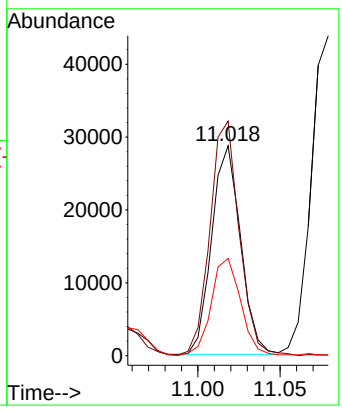


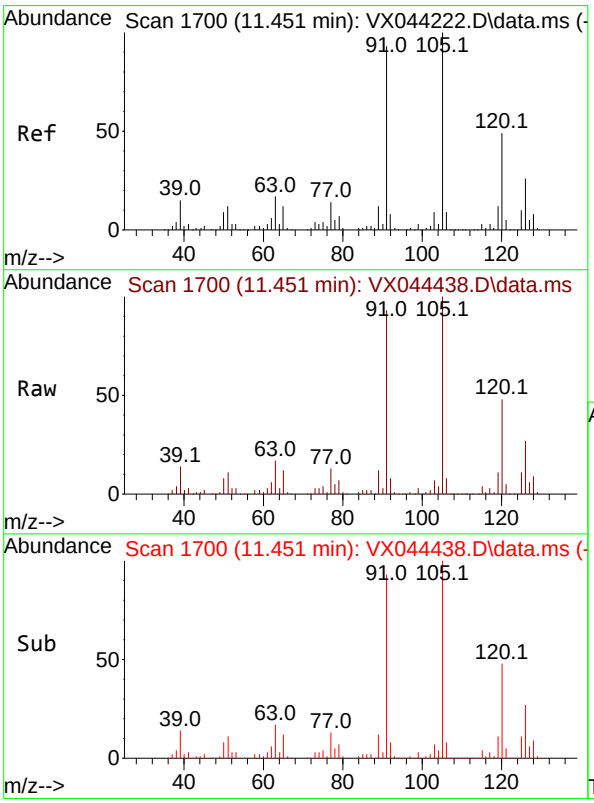

#81
trans-1,4-Dichloro-2-butene
Concen: 47.498 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 35051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.3 | 93.6 | 140.4 |
| 89 | 47.8 | 37.3 | 55.9 |

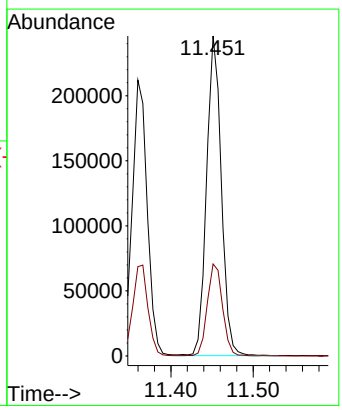


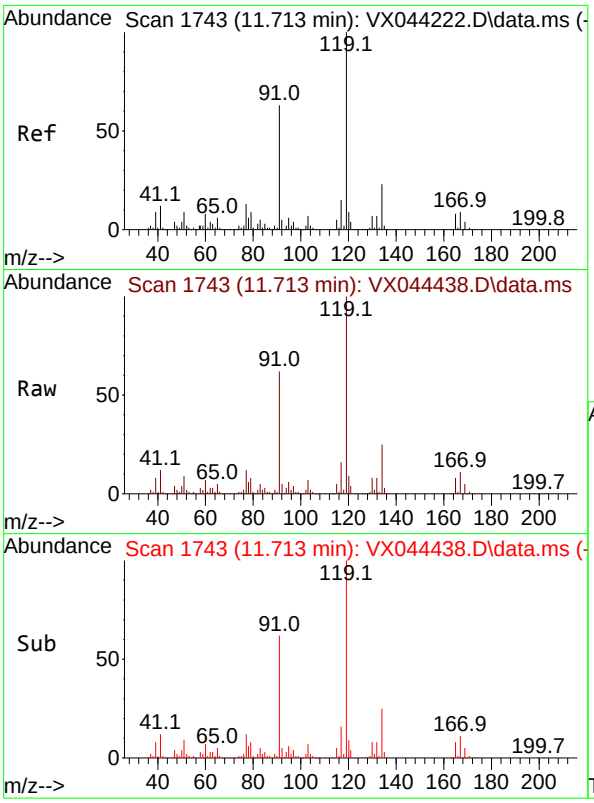




#82
4-Chlorotoluene
Concen: 52.929 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 91 Resp: 305777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.7 | 14.5 | 43.5 |



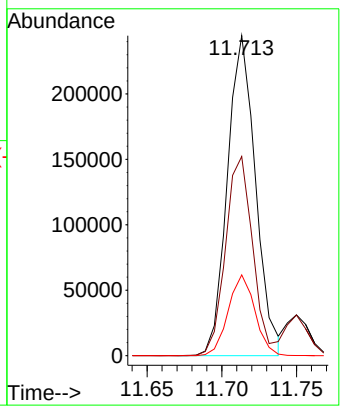


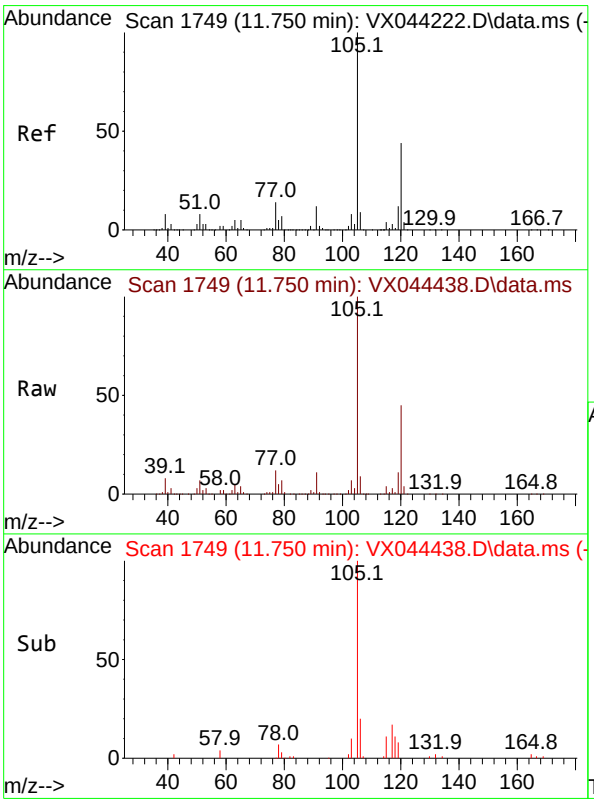

#83
tert-Butylbenzene
Concen: 53.600 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 320615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.4 | 30.9 | 92.5 |
| 134 | 24.0 | 11.5 | 34.4 |

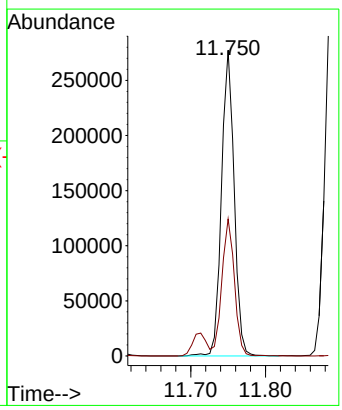


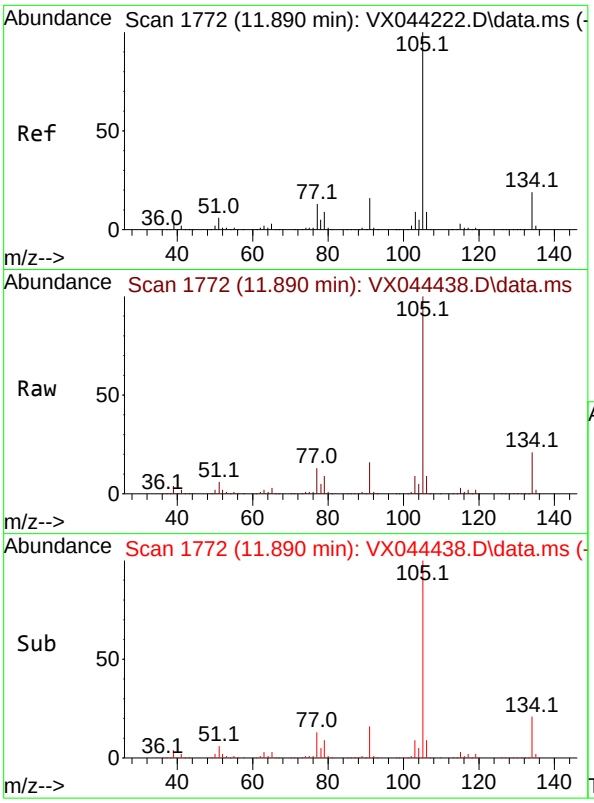




#84
1,2,4-Trimethylbenzene
Concen: 55.123 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:105 Resp: 327657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 21.7 | 65.1 |



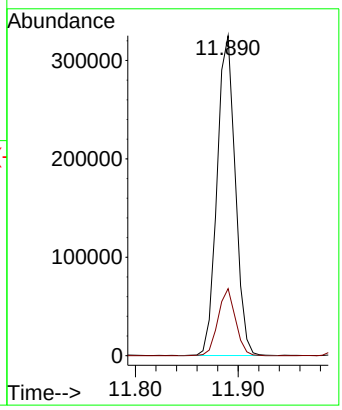


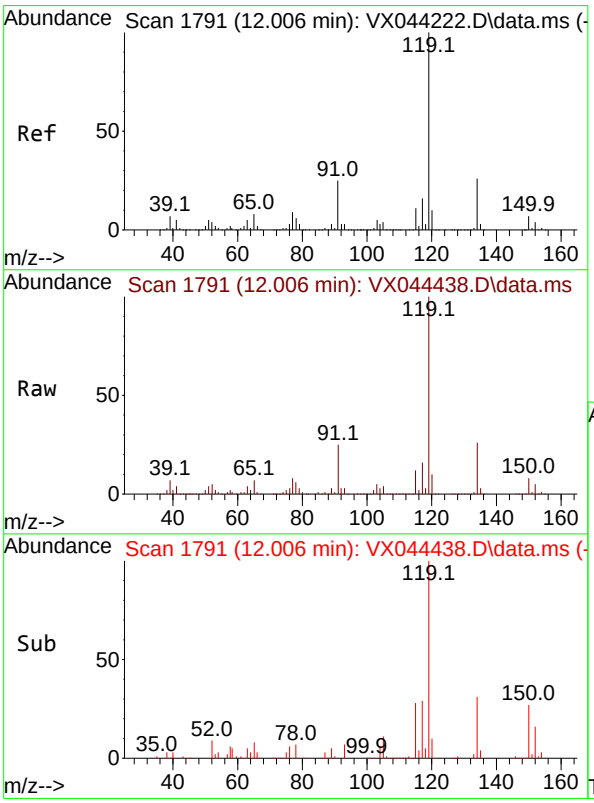

#85
sec-Butylbenzene
Concen: 54.989 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 399310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 9.8 | 29.4 |

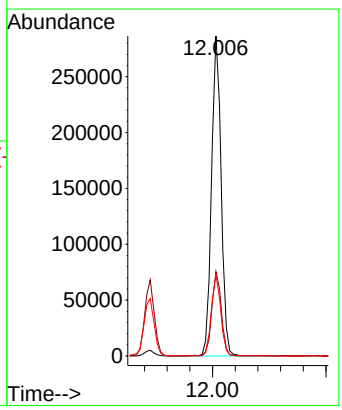


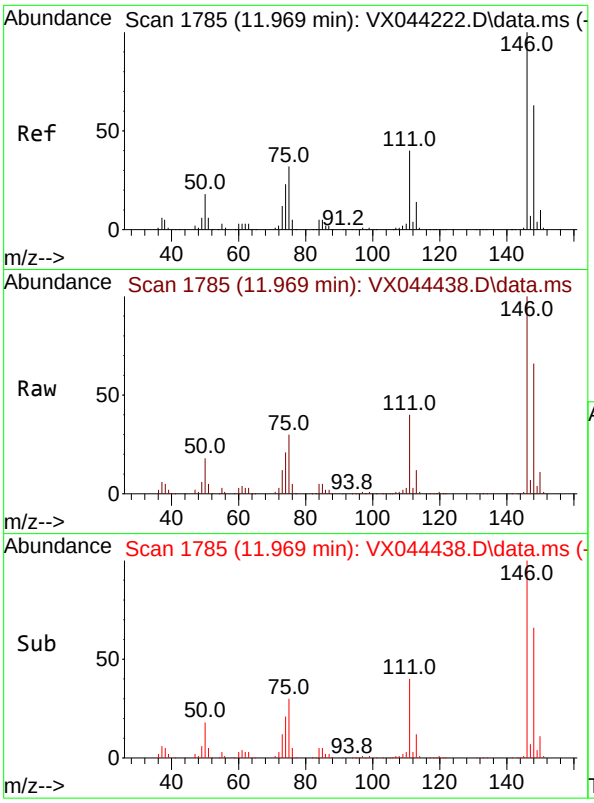




#86
p-Isopropyltoluene
Concen: 55.691 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:119 Resp: 336593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.8 | 38.4 |
| 91 | 24.8 | 13.0 | 39.0 |



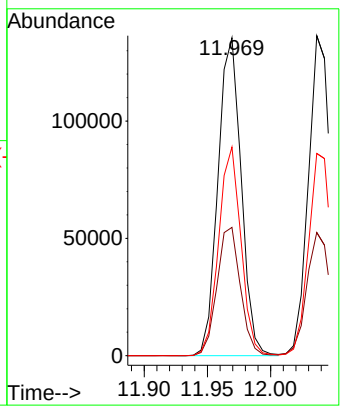


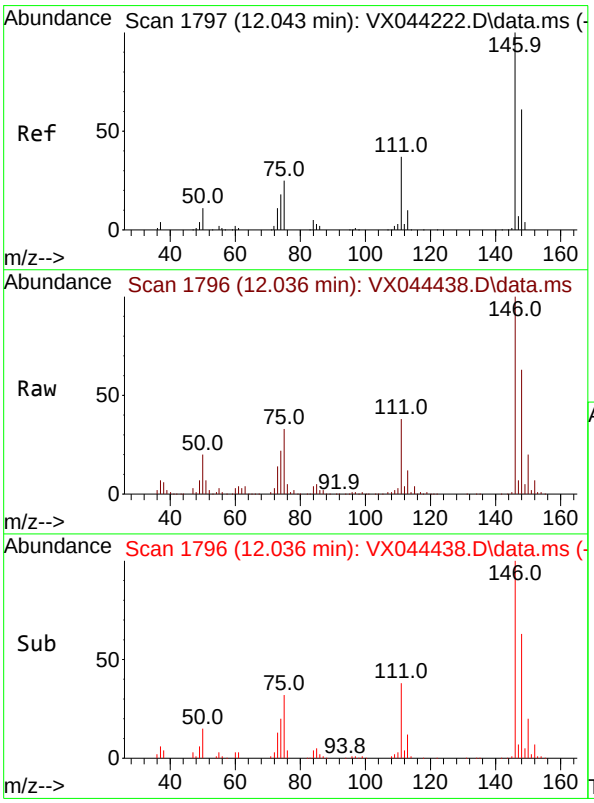

#87
1,3-Dichlorobenzene
Concen: 55.839 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 172628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 21.4 | 64.2 |
| 148 | 63.2 | 31.7 | 95.1 |

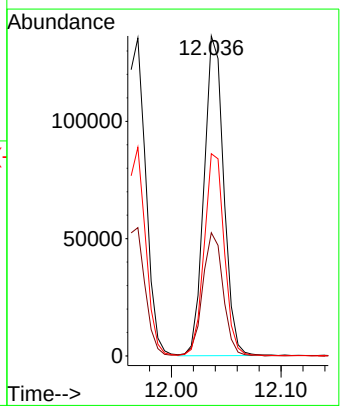


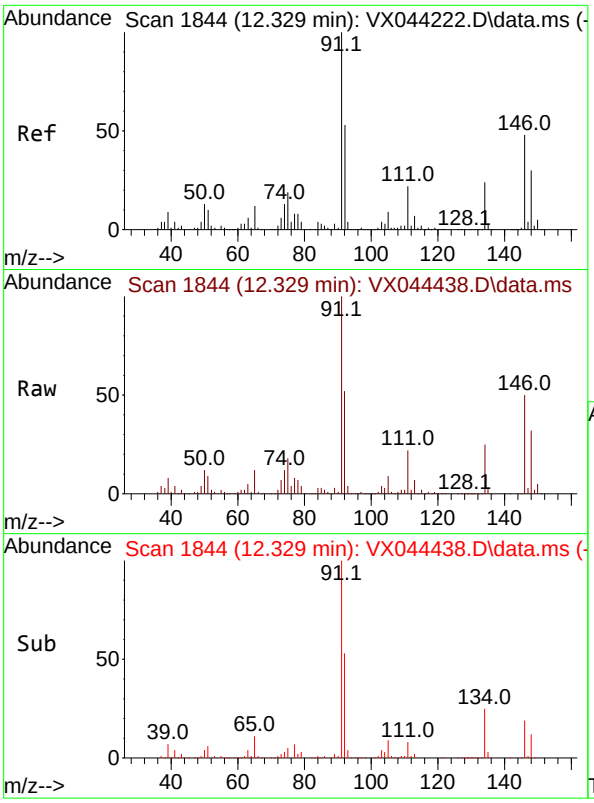




#88
1,4-Dichlorobenzene
Concen: 53.422 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:146 Resp: 169778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 21.0 | 63.0 |
| 148 | 65.0 | 32.3 | 96.8 |



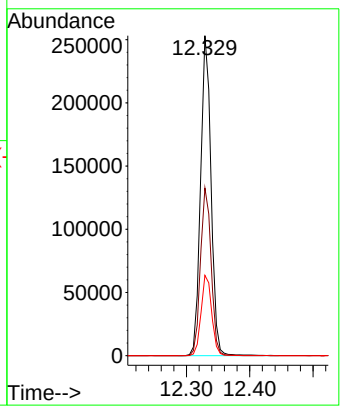


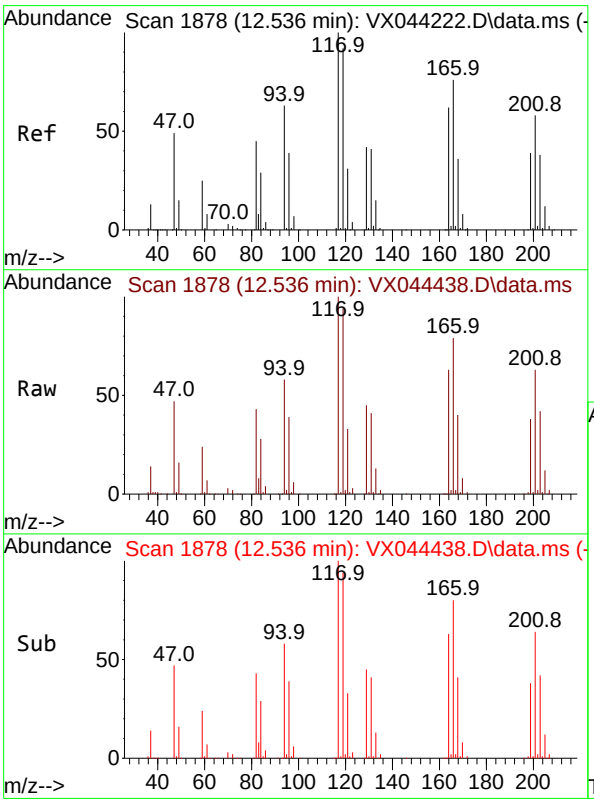

#89
n-Butylbenzene
Concen: 57.503 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 292244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.6 | 79.7 |
| 134 | 25.5 | 12.6 | 37.8 |

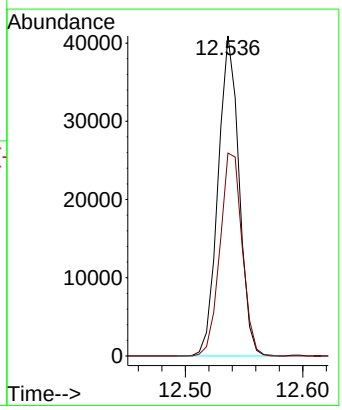


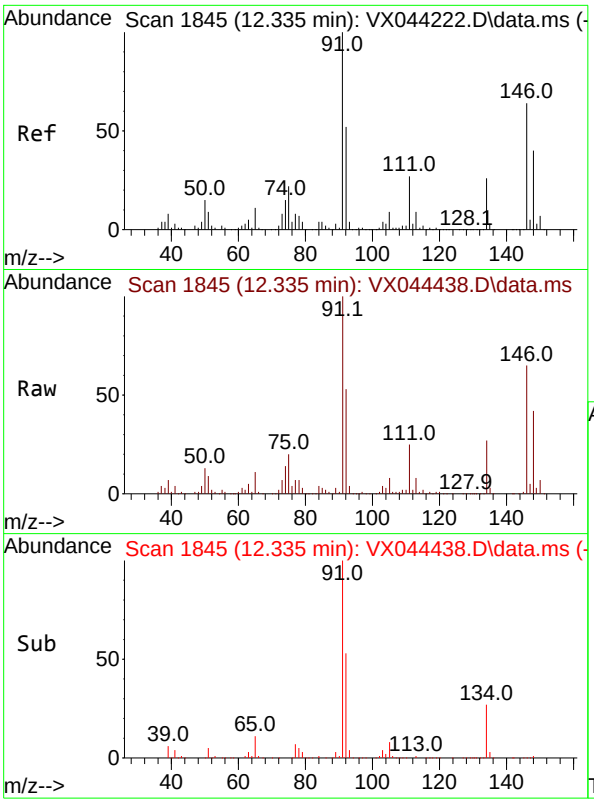




#90
Hexachloroethane
Concen: 57.385 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:117 Resp: 50629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.2 | 31.4 | 94.2 |



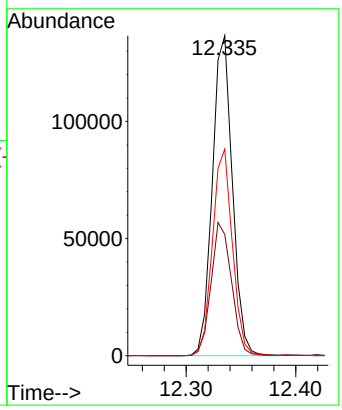


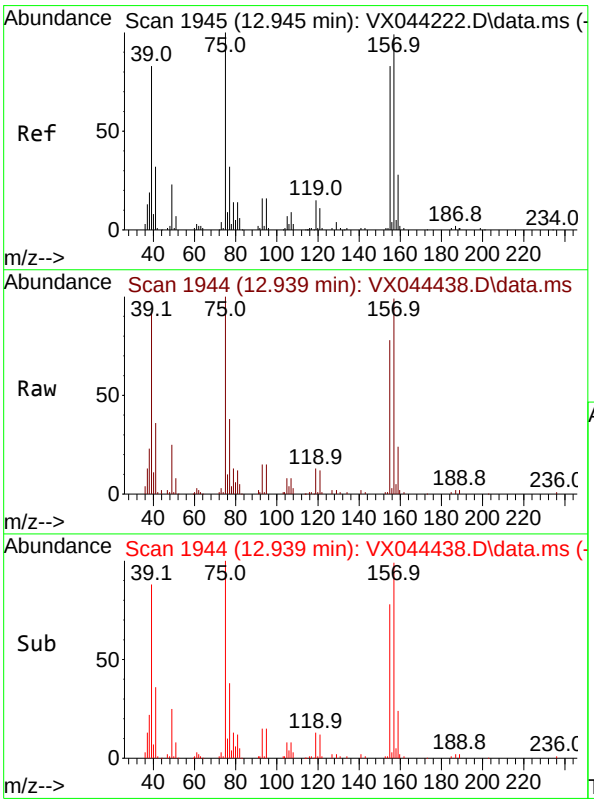

#91
1,2-Dichlorobenzene
Concen: 54.042 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 173478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.4 | 64.3 |
| 148 | 64.2 | 31.6 | 95.0 |

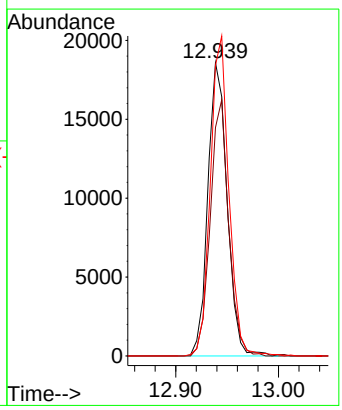


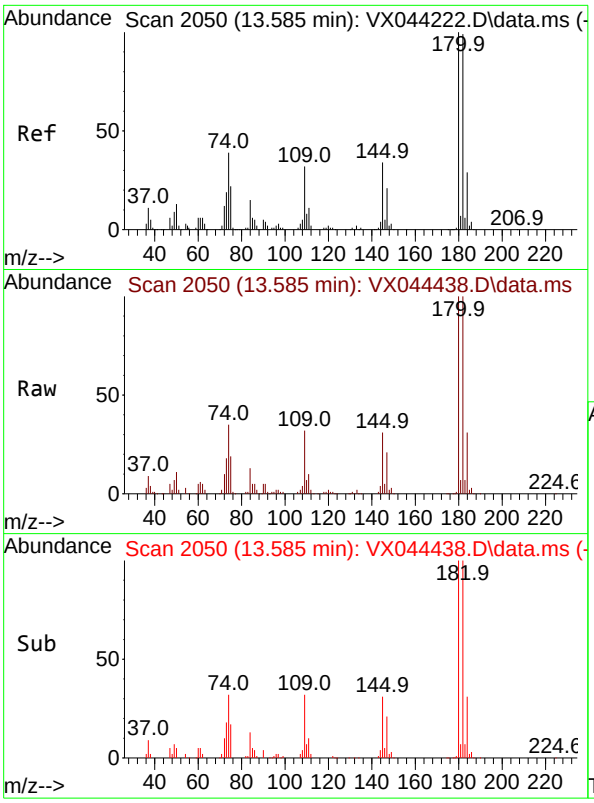




#92
1,2-Dibromo-3-Chloropropane
Concen: 49.022 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion: 75 Resp: 24124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.8 | 38.1 | 114.3 |
| 157 | 105.4 | 47.2 | 141.6 |



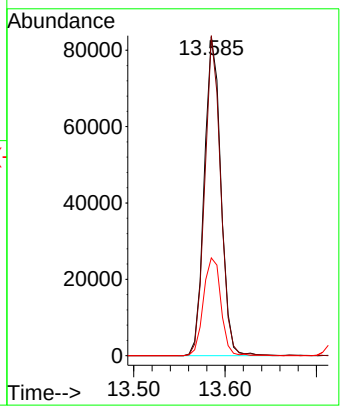


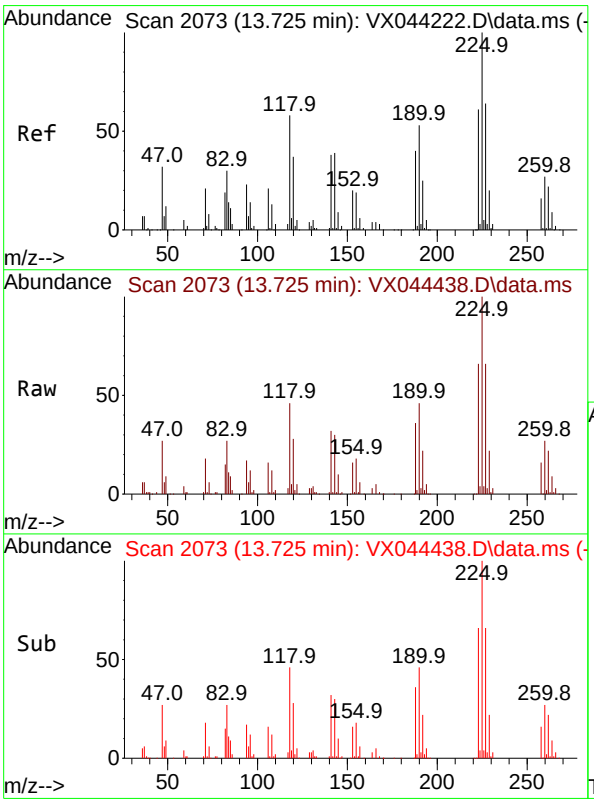

#93
1,2,4-Trichlorobenzene
Concen: 59.504 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 104720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 48.0 | 144.2 |
| 145 | 32.4 | 16.6 | 49.7 |

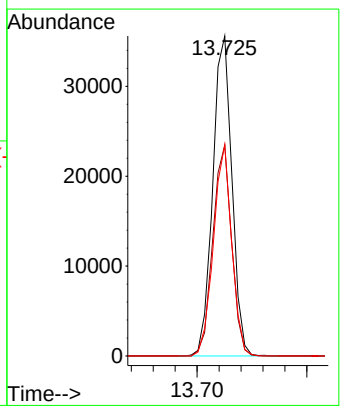


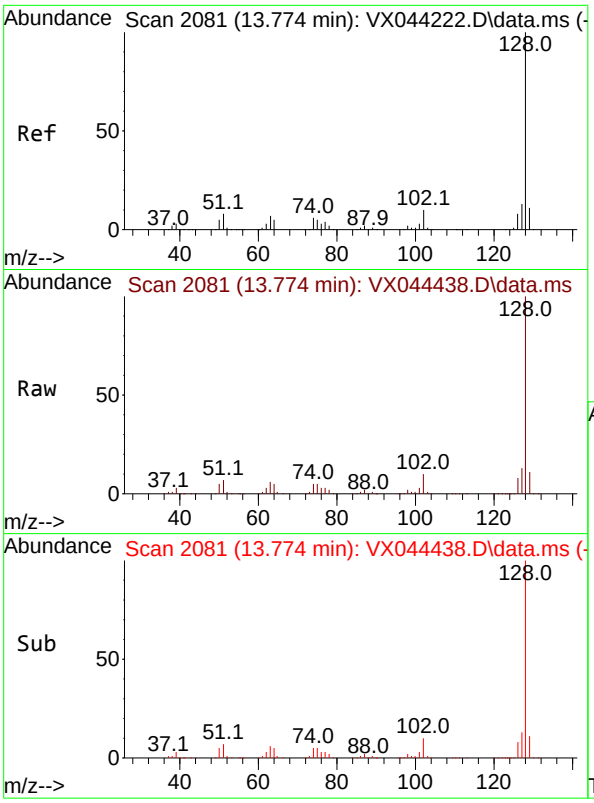




#94
Hexachlorobutadiene
Concen: 60.942 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:225 Resp: 43140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.7 | 30.8 | 92.4 |
| 227 | 63.1 | 32.1 | 96.3 |



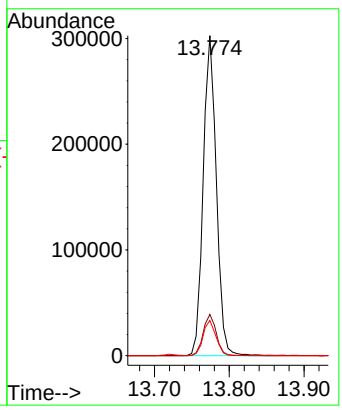


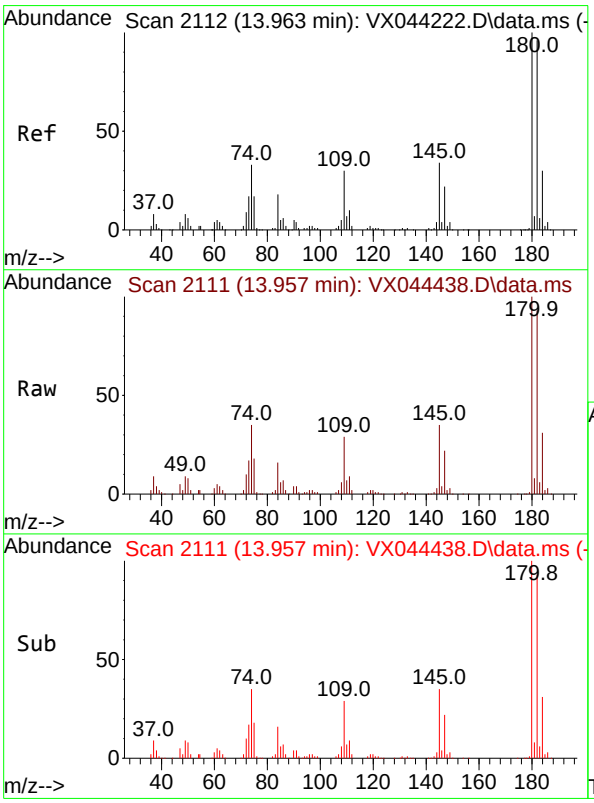

#95
Naphthalene
Concen: 53.772 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 369385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.9 | 9.0 | 13.4 |

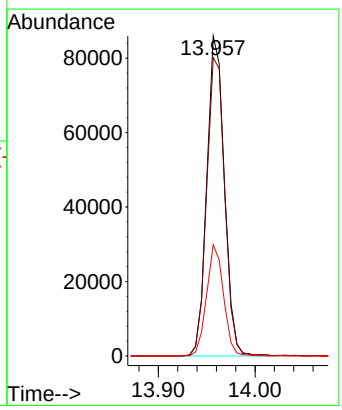



#96
1,2,3-Trichlorobenzene
Concen: 58.216 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044438.D
Acq: 20 Dec 2024 09:16

Tgt Ion:180 Resp: 108667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 48.0 | 144.0 |
| 145 | 33.6 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044441.D
Acq On : 20 Dec 2024 10:46
Operator : JC/MD
Sample : VX1220WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Quant Time: Dec 20 22:21:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 146515 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 249173 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 212384 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 96885 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 109691 | 42.700 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 85.400% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 83769 | 48.541 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.080% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 283358 | 48.669 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 97.340% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 94485 | 46.443 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 92.880% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 41893 | 18.492 | ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 40546 | 18.715 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 40370 | 17.887 | ug/l | 97 |
| 5) Bromomethane | 1.599 | 94 | 30109 | 18.804 | ug/l | 96 |
| 6) Chloroethane | 1.666 | 64 | 27776 | 19.764 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 67604 | 15.300 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 26079 | 17.291 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 33030 | 18.474 | ug/l | 94 |
| 10) Methyl Iodide | 2.447 | 142 | 45795 | 19.434 | ug/l | 96 |
| 11) Tert butyl alcohol | 2.989 | 59 | 33237 | 91.803 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 30995 | 18.873 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 44044 | 84.041 | ug/l | 96 |
| 14) Allyl chloride | 2.660 | 41 | 49108 | 17.953 | ug/l | 96 |
| 15) Acrylonitrile | 3.068 | 53 | 90872 | 90.610 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 79327 | 75.745 | ug/l | 91 |
| 17) Carbon Disulfide | 2.501 | 76 | 51100 | 16.369 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 47831 | 17.713 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 112975 | 17.629 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 37654 | 19.142 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 32618 | 18.688 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 110674 | 17.968 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 456052 | 91.069 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 64973 | 18.923 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 124008 | 83.289 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 51269 | 18.380 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 39842 | 17.974 | ug/l | 97 |
| 28) Bromochloromethane | 4.891 | 49 | 26535 | 15.760 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.007 | 42 | 81181 | 84.947 | ug/l | 99 |
| 30) Chloroform | 5.092 | 83 | 68227 | 17.686 | ug/l | 99 |
| 31) Cyclohexane | 5.470 | 56 | 48875 | 17.628 | ug/l | 93 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 55907 | 17.459 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 41416 | 18.566 | ug/l | 97 |
| 37) Ethyl Acetate | 4.721 | 43 | 48014 | 17.412 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 45386 | 18.898 | ug/l | 93 |
| 39) Methylcyclohexane | 7.373 | 83 | 51554 | 19.332 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 137885 | 20.358 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044441.D
Acq On : 20 Dec 2024 10:46
Operator : JC/MD
Sample : VX1220WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Quant Time: Dec 20 22:21:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 26859 | 18.343 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 53588 | 19.207 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 79207 | 18.378 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 33615 | 19.902 | ug/l | | 88 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33011 | 19.077 | ug/l | | 97 |
| 46) Dibromomethane | 7.580 | 93 | 26495 | 19.737 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.818 | 83 | 44357 | 19.132 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 36154 | 17.281 | ug/l | | 94 |
| 49) 1,4-Dioxane | 7.671 | 88 | 10158 | 292.846 | ug/l | # | 79 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 255984 | 92.373 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 82957 | 19.504 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 41417 | 17.860 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 48359 | 19.157 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 35148 | 20.801 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 48642 | 18.235 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 56644 | 19.260 | ug/l | | 97 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 109022 | 81.033 | ug/l | | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 181241 | 90.356 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 31411 | 18.848 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 34801 | 20.234 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 29267 | 20.762 | ug/l | | 96 |
| 65) Chlorobenzene | 10.079 | 112 | 90589 | 19.906 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 30193 | 20.643 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 151105 | 19.217 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 114910 | 39.825 | ug/l | | 97 |
| 69) o-Xylene | 10.640 | 106 | 57794 | 19.797 | ug/l | | 95 |
| 70) Styrene | 10.652 | 104 | 92784 | 19.825 | ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 17659 | 19.275 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.963 | 105 | 147393 | 19.872 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 61829 | 18.038 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 50416 | 19.570 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 49769 | 23.007 | ug/l | | 88 |
| 77) Bromobenzene | 11.195 | 156 | 36233 | 20.145 | ug/l | | 95 |
| 78) n-propylbenzene | 11.299 | 91 | 162028 | 19.765 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 102209 | 19.279 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 121225 | 19.709 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11072 | 18.609 | ug/l | | 91 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 112263 | 19.122 | ug/l | | 97 |
| 83) tert-Butylbenzene | 11.713 | 119 | 120518 | 19.827 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 121322 | 20.085 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 143732 | 19.477 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 120356 | 19.596 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 63016 | 20.058 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 64444 | 19.954 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 94402 | 18.279 | ug/l | | 97 |
| 90) Hexachloroethane | 12.536 | 117 | 16712 | 18.640 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 64584 | 19.798 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8263 | 16.523 | ug/l | | 90 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 34820 | 19.470 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 15232 | 21.174 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 124472 | 17.830 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 36757 | 19.378 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044441.D
Acq On : 20 Dec 2024 10:46
Operator : JC/MD
Sample : VX1220WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Quant Time: Dec 20 22:21:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

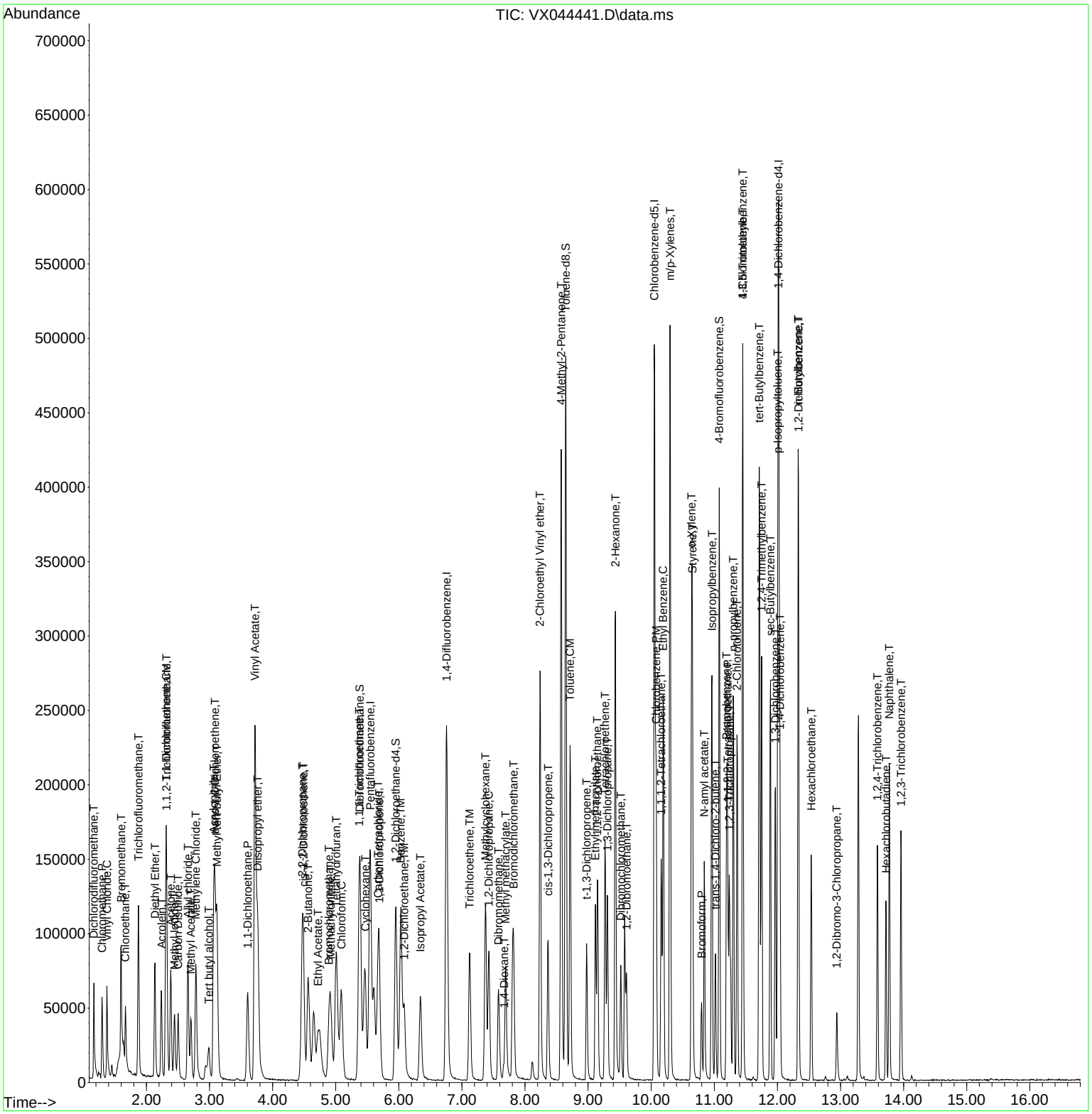
(#) = qualifier out of range (m) = manual integration (+) = signals summed

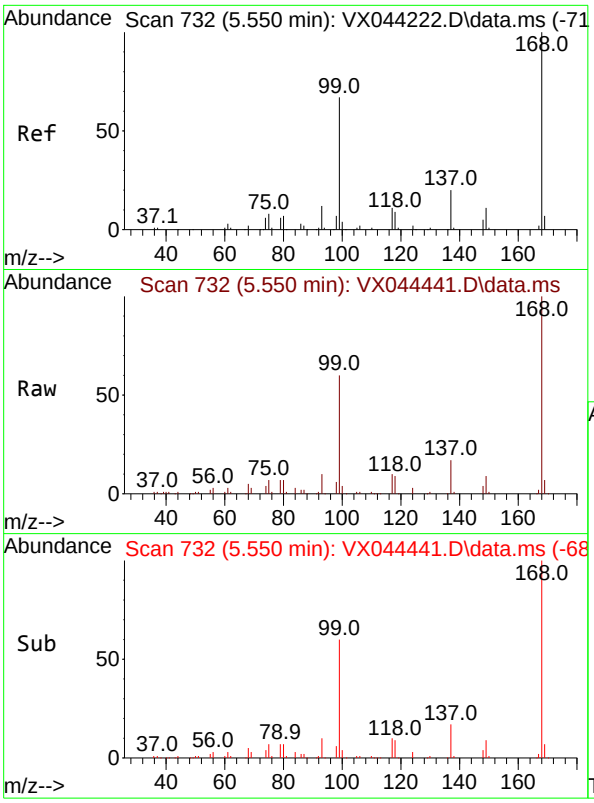
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044441.D
Acq On : 20 Dec 2024 10:46
Operator : JC/MD
Sample : VX1220WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Quant Time: Dec 20 22:21:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



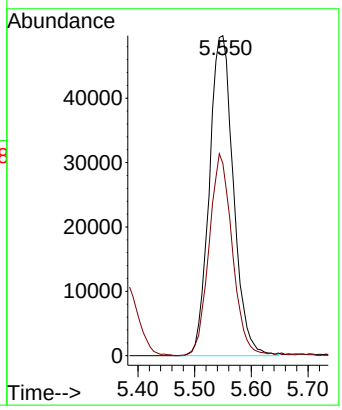


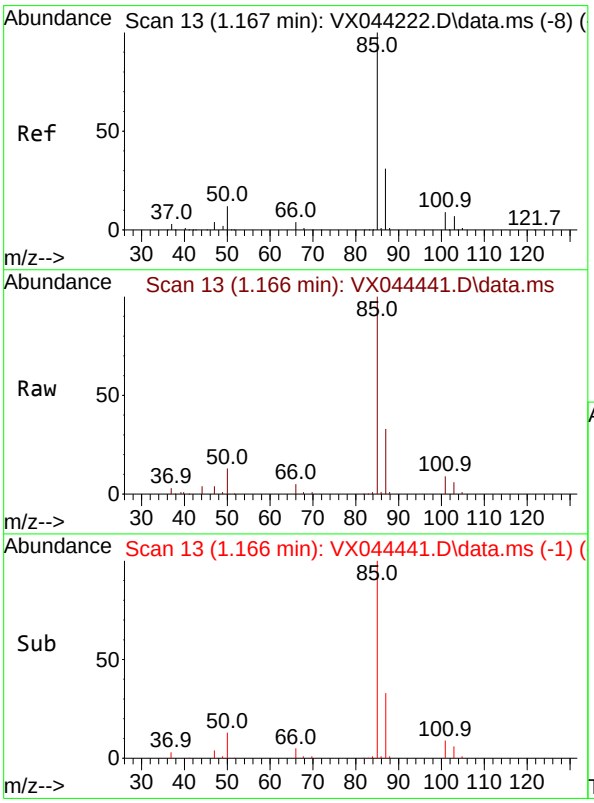

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:168 Resp: 146515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.1 | 53.4 | 80.0 |

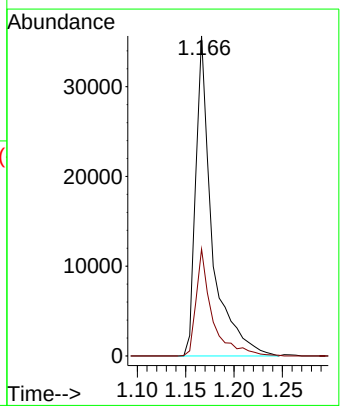


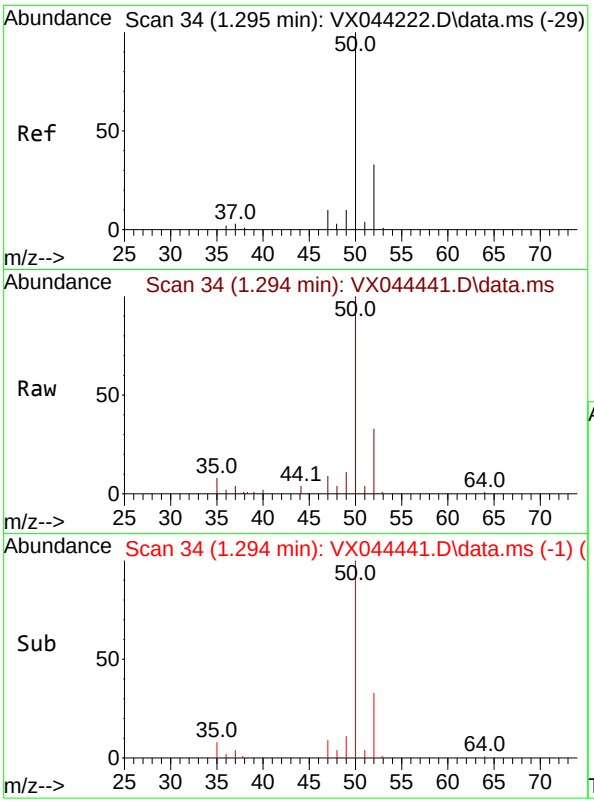




#2
Dichlorodifluoromethane
Concen: 18.492 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 85 Resp: 41893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.4 | 15.4 | 46.4 |



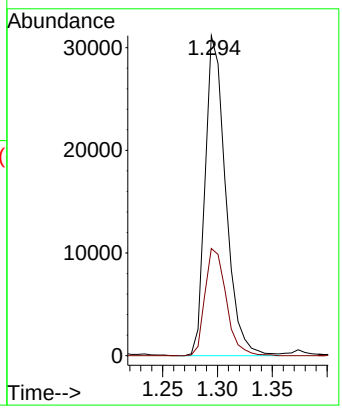


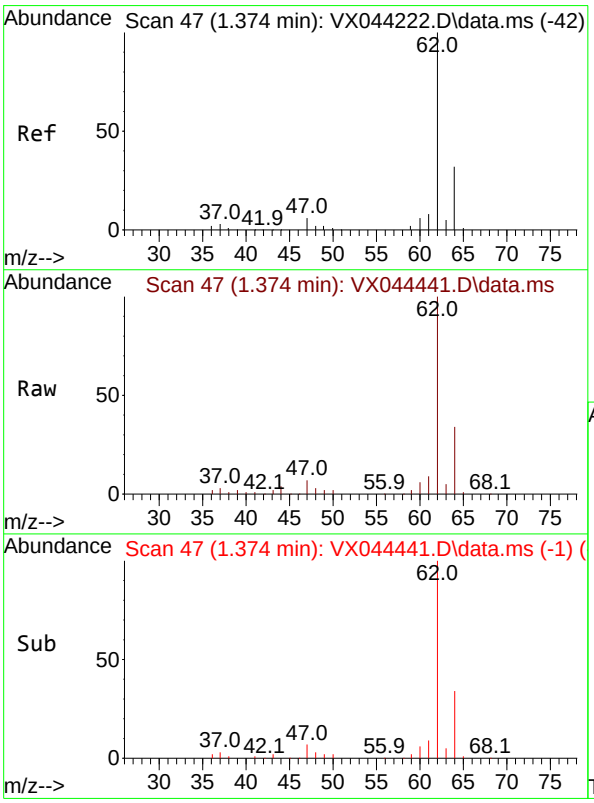

#3
Chloromethane
Concen: 18.715 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 50 Resp: 40546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 26.5 | 39.7 |

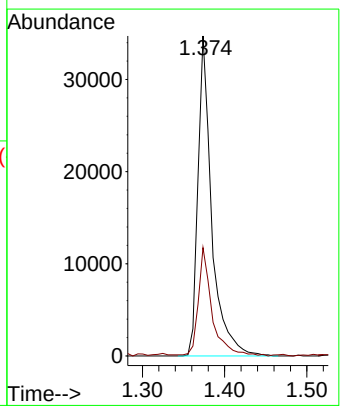


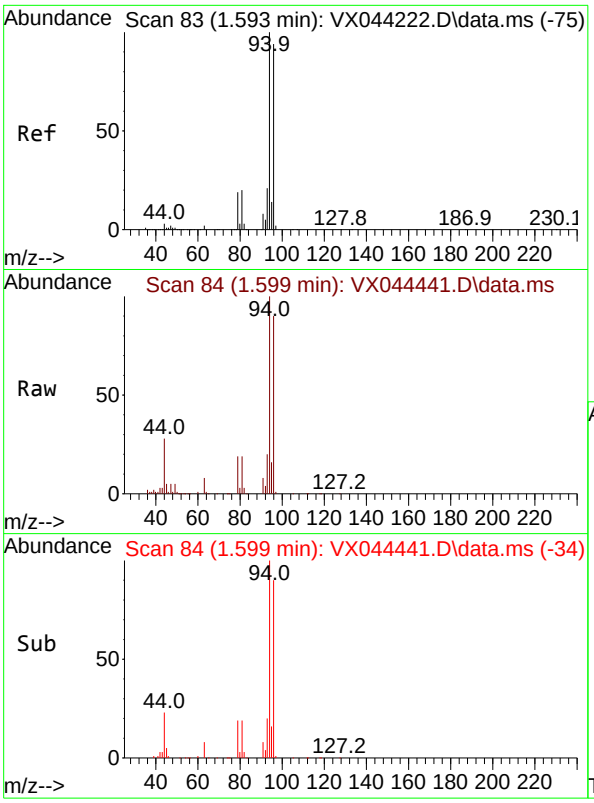




#4
Vinyl Chloride
Concen: 17.887 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 62 Resp: 40370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 25.7 | 38.5 |



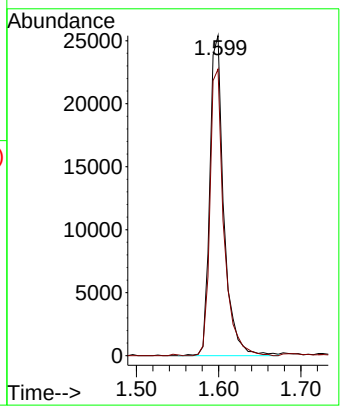


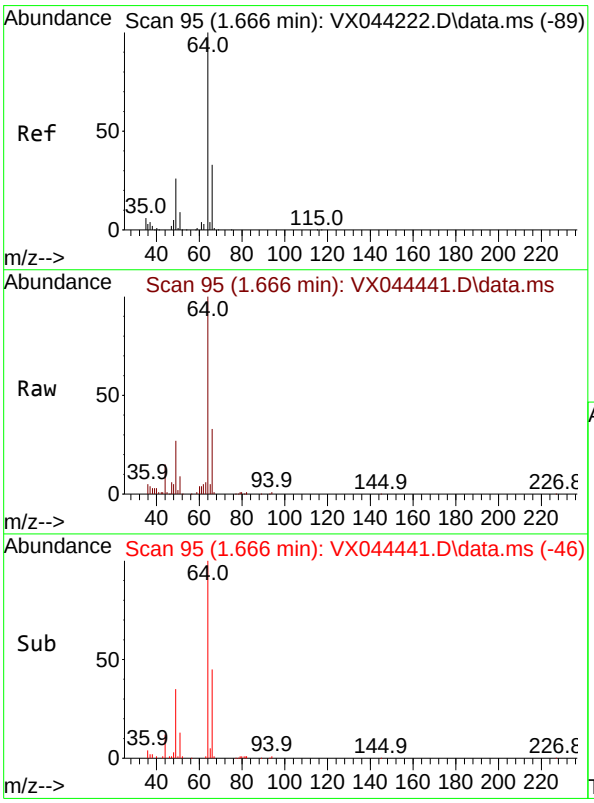

#5
Bromomethane
Concen: 18.804 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 94 Resp: 30109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 89.5 | 74.9 | 112.3 |

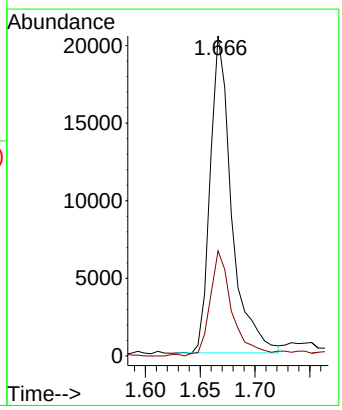


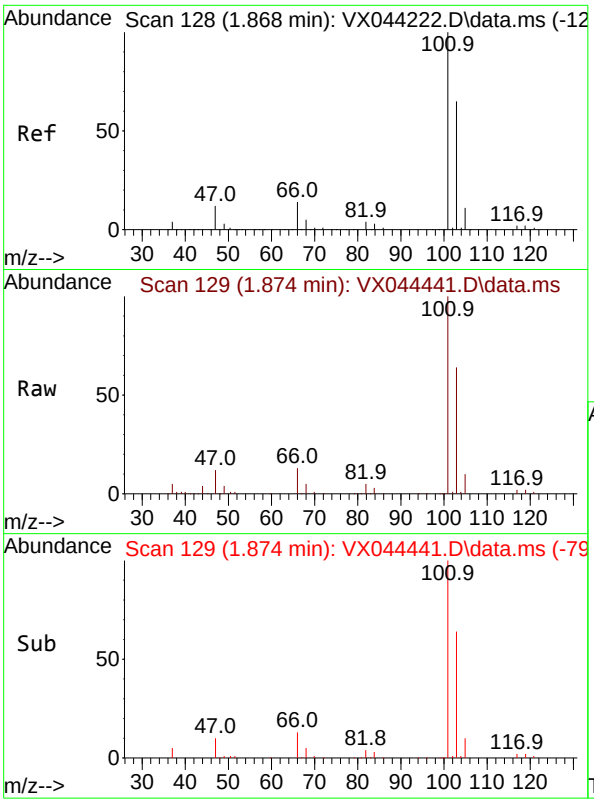




#6
Chloroethane
Concen: 19.764 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 64 Resp: 27776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.7 | 26.6 | 39.8 |



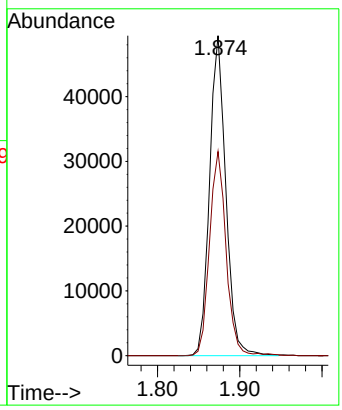


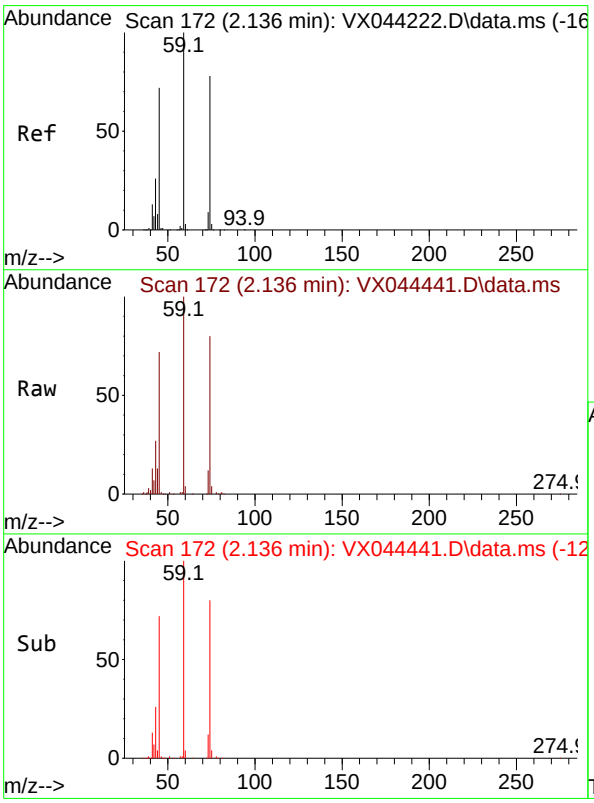

#7
Trichlorofluoromethane
Concen: 15.300 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:101 Resp: 67604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 51.8 | 77.8 |

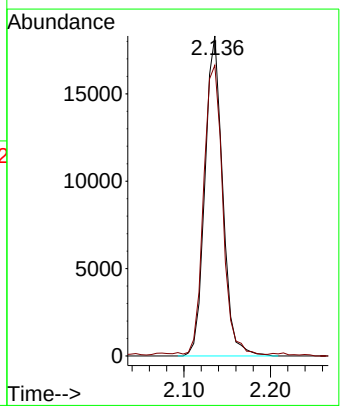


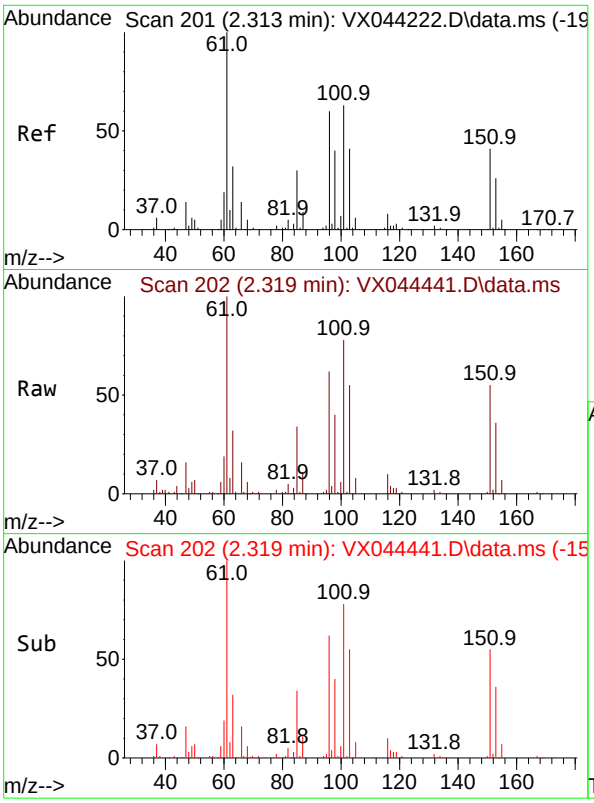




#8
Diethyl Ether
Concen: 17.291 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 74 Resp: 26079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.3 | 48.4 | 145.0 |



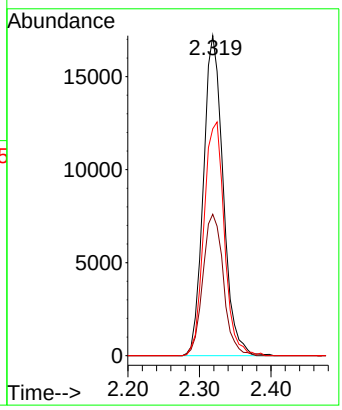


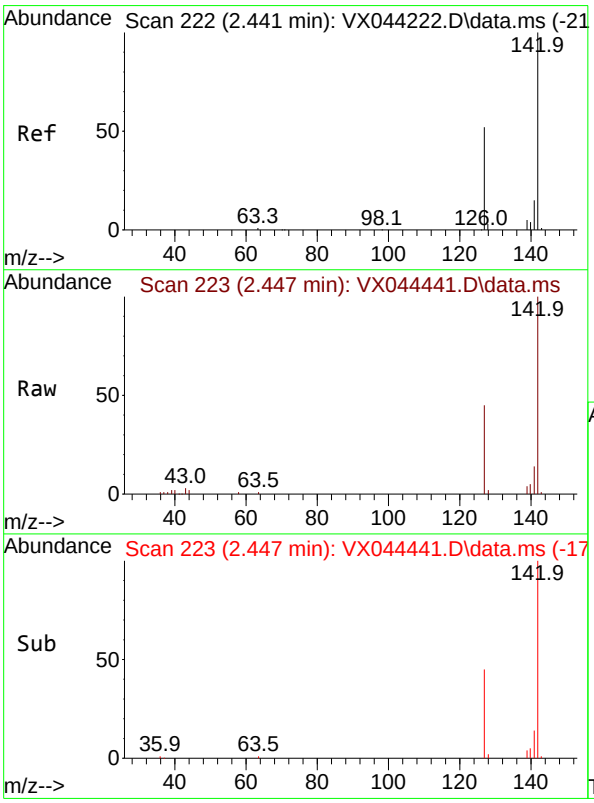

#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.474 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:101 Resp: 33030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.8 | 38.5 | 57.7 |
| 151 | 75.4 | 55.8 | 83.6 |

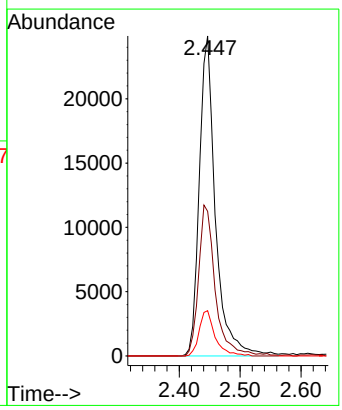


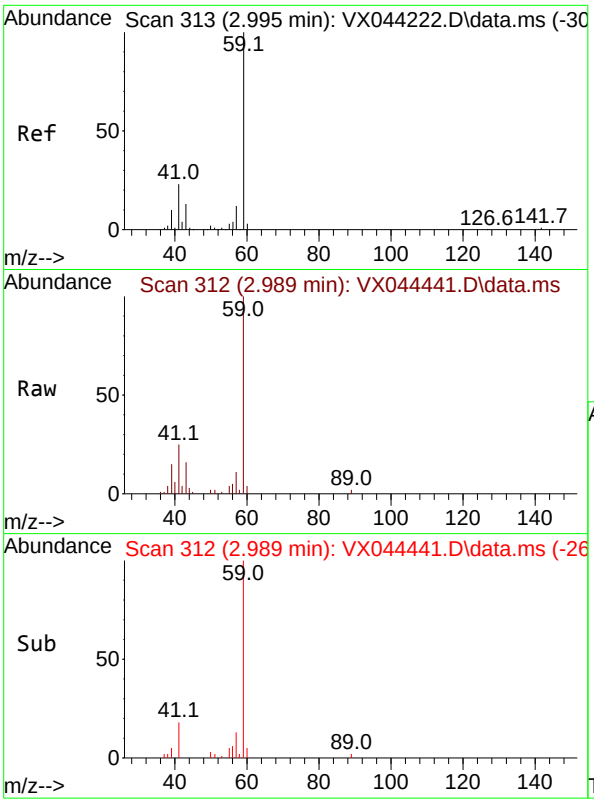




#10
Methyl Iodide
Concen: 19.434 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:142 Resp: 45795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.9 | 41.8 | 62.8 |
| 141 | 14.0 | 11.5 | 17.3 |



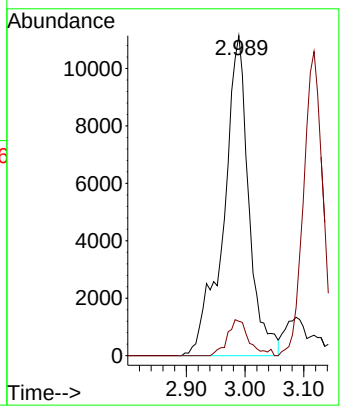


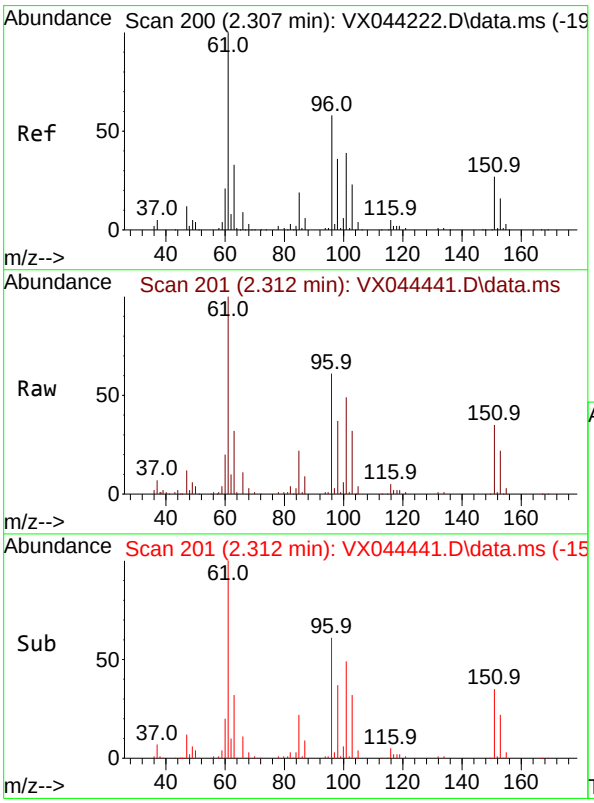

#11
Tert butyl alcohol
Concen: 91.803 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 59 Resp: 33237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.6 | 8.8 | 13.2 |

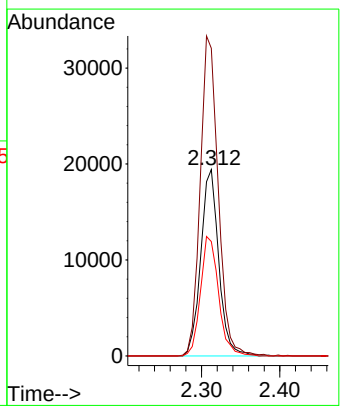


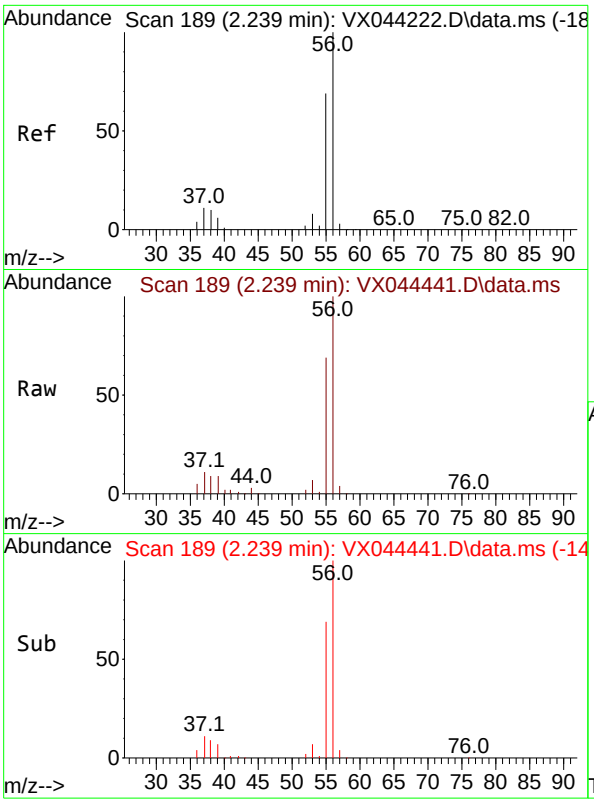




#12
1,1-Dichloroethene
Concen: 18.873 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 96 Resp: 30995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.0 | 138.0 | 207.0 |
| 98 | 61.4 | 50.0 | 75.0 |



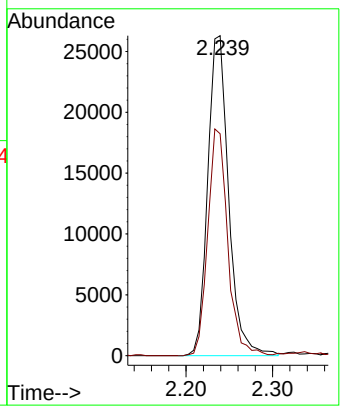


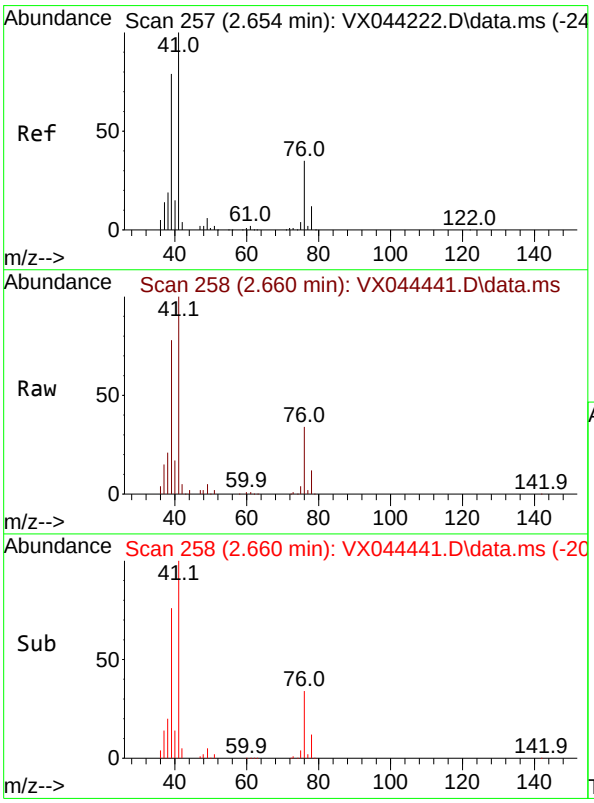

#13
Acrolein
Concen: 84.041 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 56 Resp: 44044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 67.7 | 56.6 | 84.8 |

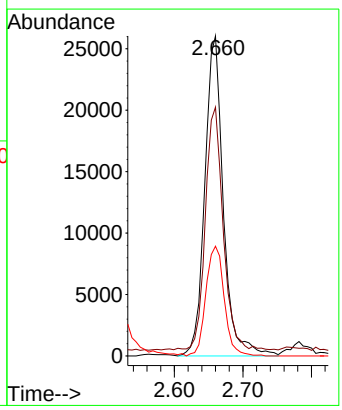


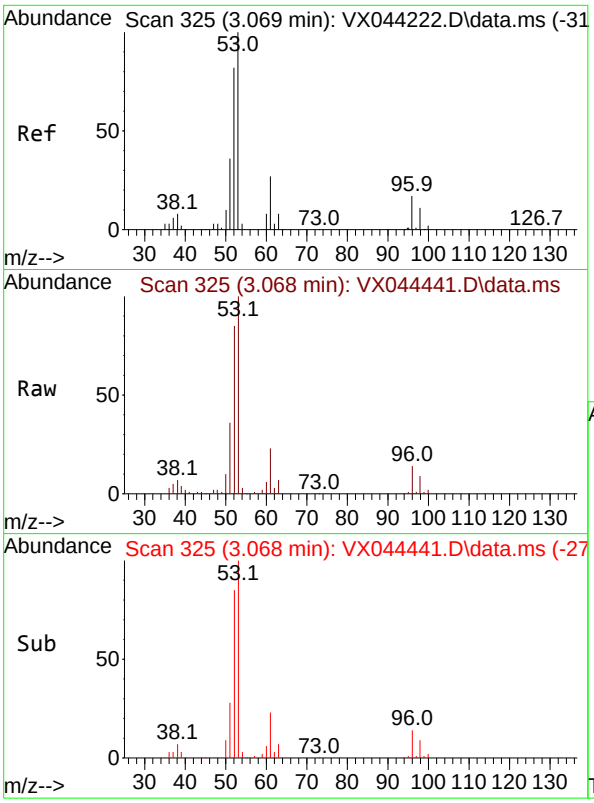




#14
Allyl chloride
Concen: 17.953 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 41 Resp: 49108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 73.3 | 61.9 | 92.9 |
| 76 | 33.9 | 27.4 | 41.2 |



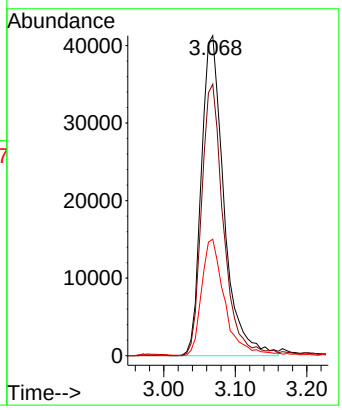


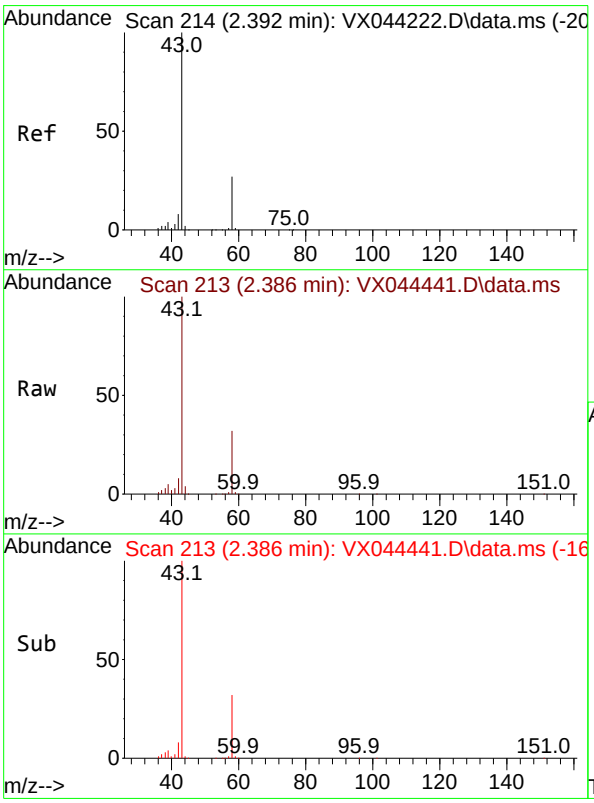

#15
Acrylonitrile
Concen: 90.610 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 53 Resp: 90872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.8 | 67.4 | 101.0 |
| 51 | 37.6 | 30.3 | 45.5 |

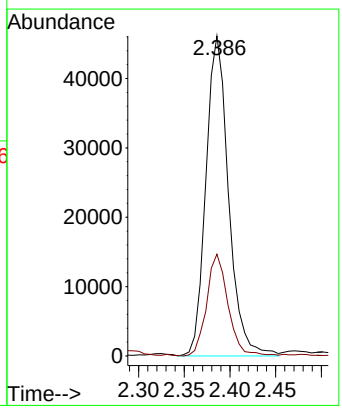


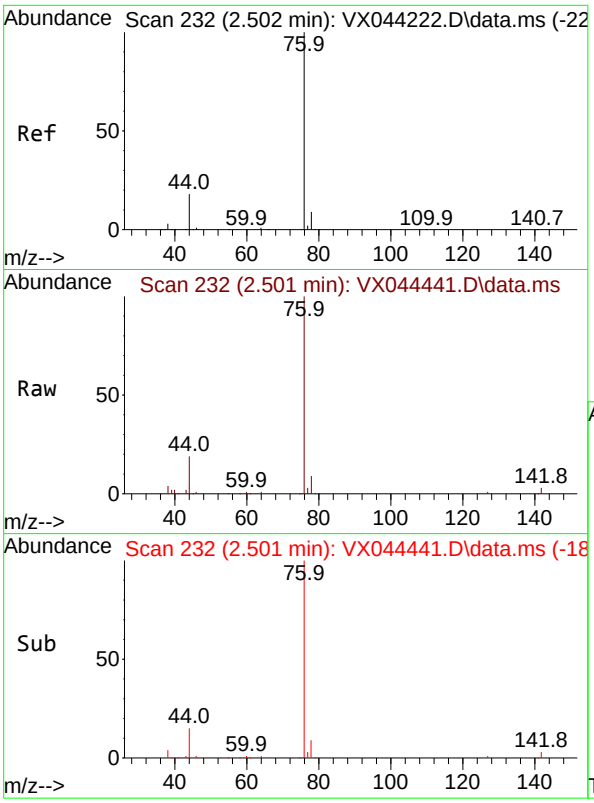




#16
Acetone
Concen: 75.745 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 43 Resp: 79327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 21.6 | 32.4 |



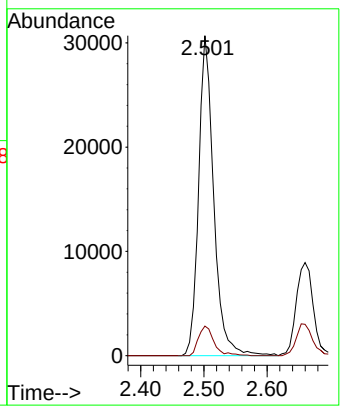


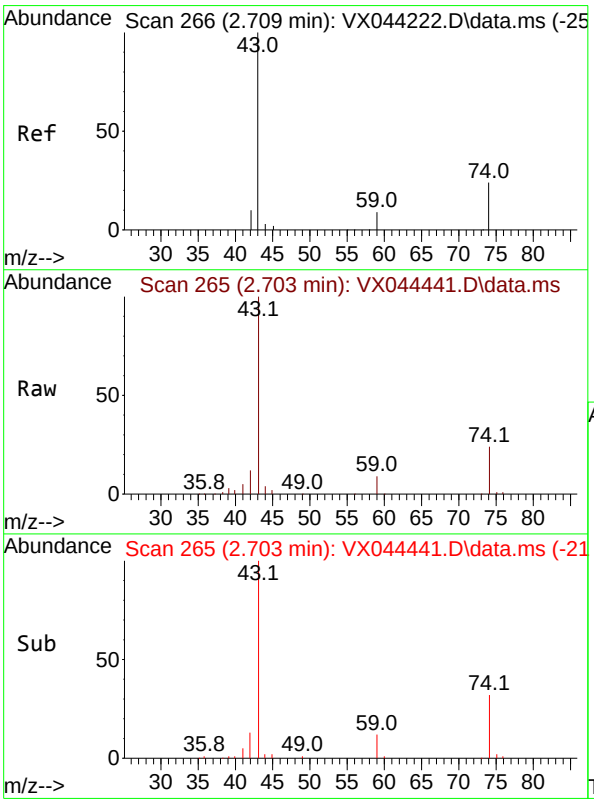

#17
Carbon Disulfide
Concen: 16.369 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 76 Resp: 51100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |

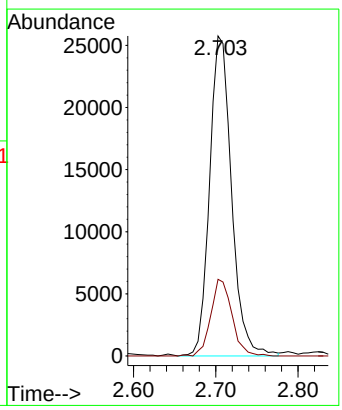


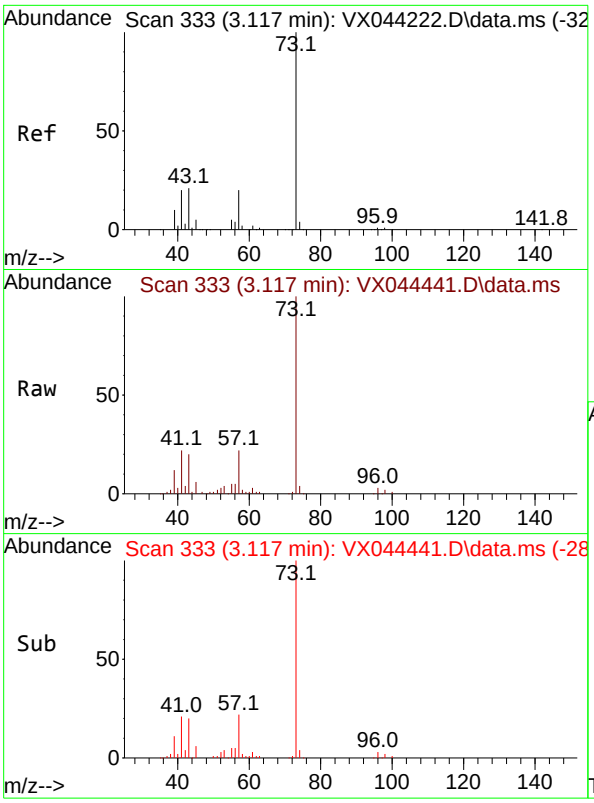




#18
Methyl Acetate
Concen: 17.713 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 43 Resp: 47831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.1 | 17.7 | 26.5 |



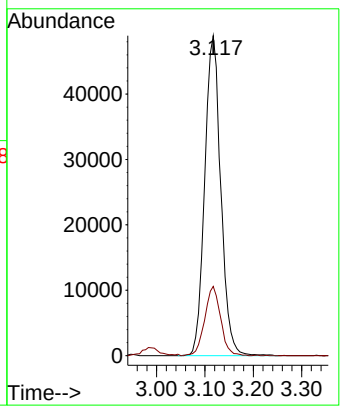


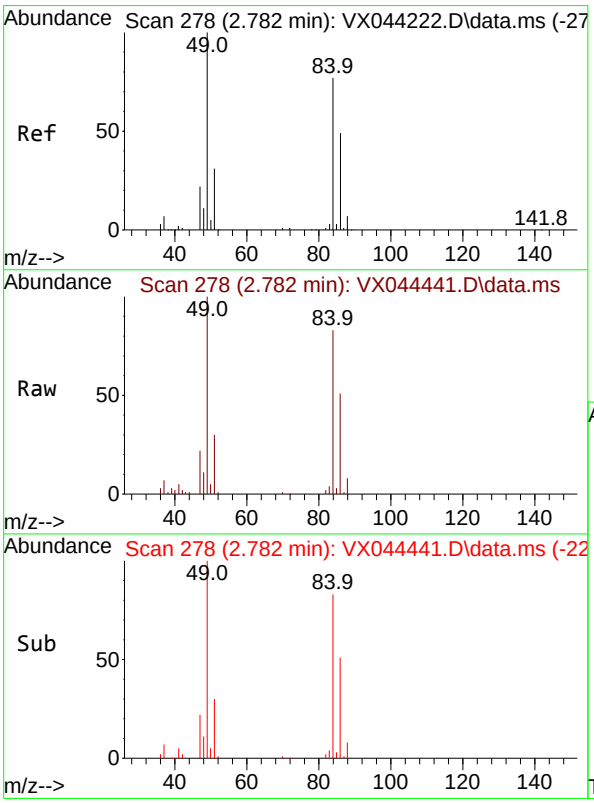

#19
Methyl tert-butyl Ether
Concen: 17.629 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 73 Resp: 112975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 16.2 | 24.4 |

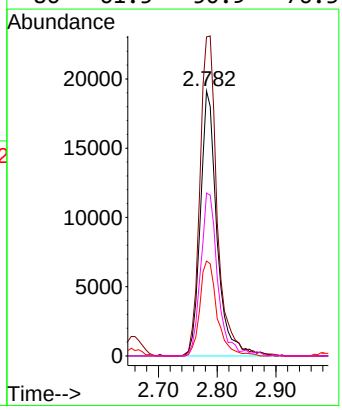


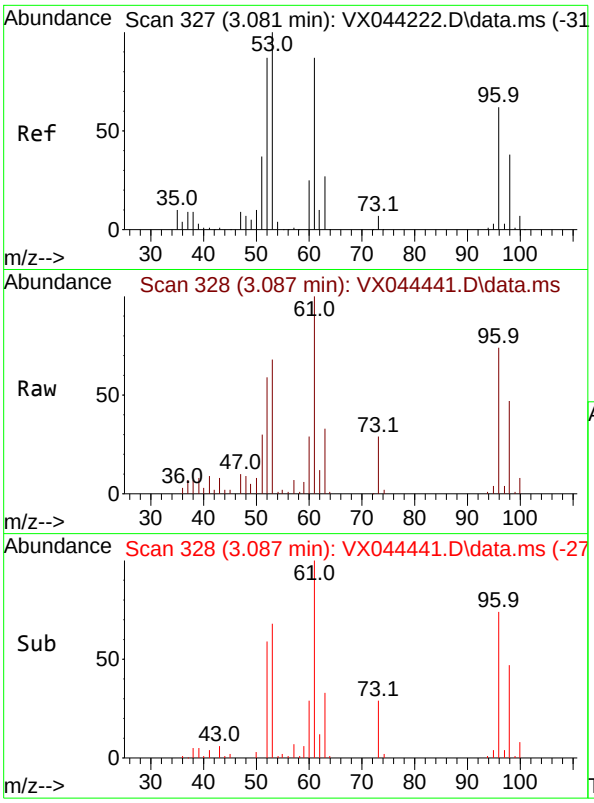




#20
Methylene Chloride
Concen: 19.142 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 84 Resp: 37654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.5 | 104.2 | 156.4 |
| 51 | 35.8 | 32.2 | 48.4 |
| 86 | 61.5 | 50.9 | 76.3 |



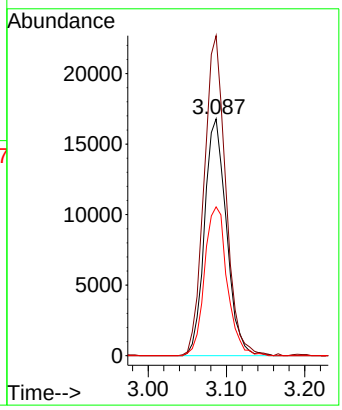


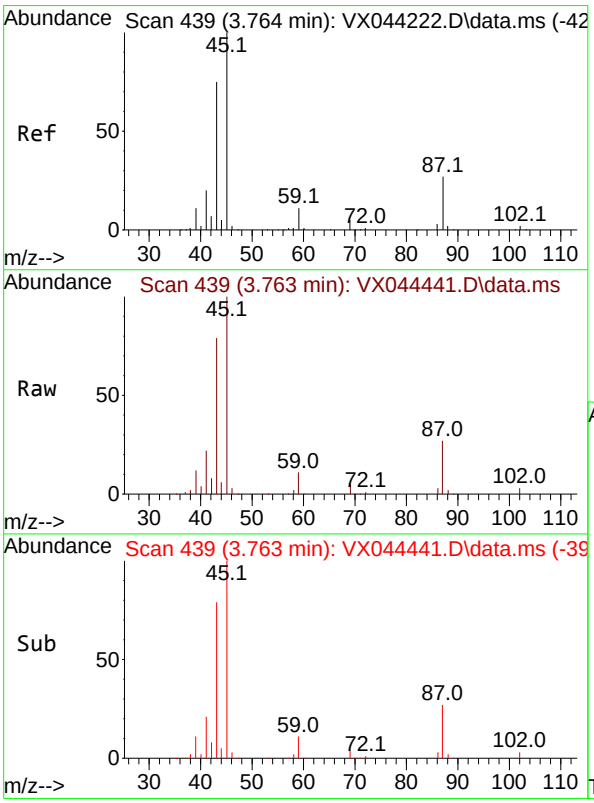

#21
trans-1,2-Dichloroethene
Concen: 18.688 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 96 Resp: 32618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 135.2 | 112.0 | 168.0 |
| 98 | 62.9 | 48.8 | 73.2 |

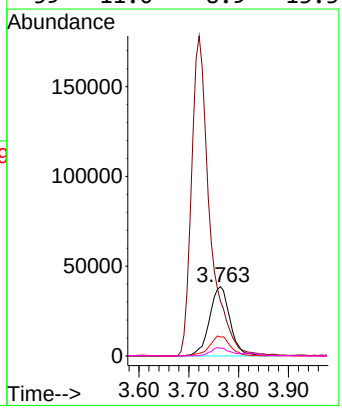


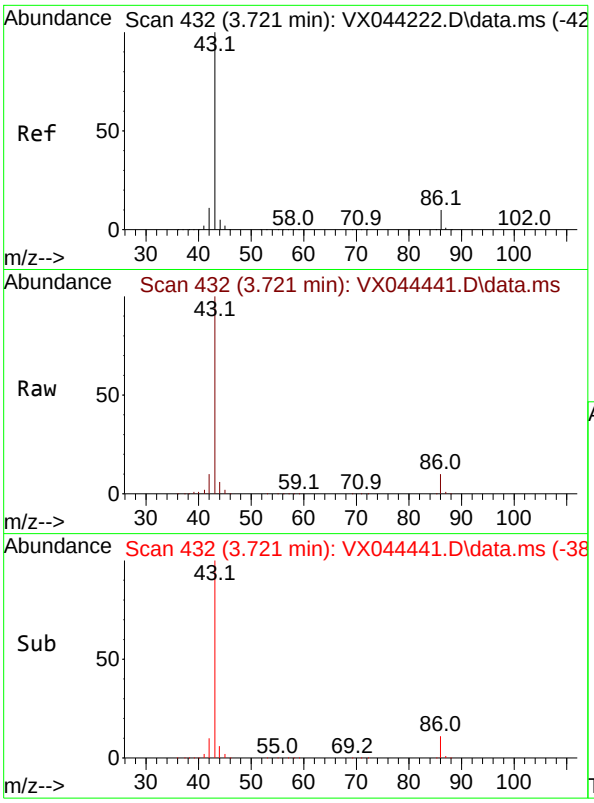




#22
Diisopropyl ether
Concen: 17.968 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 45 Resp: 110674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 77.9 | 60.2 | 90.2 |
| 87 | 27.4 | 21.2 | 31.8 |
| 59 | 11.0 | 8.9 | 13.3 |



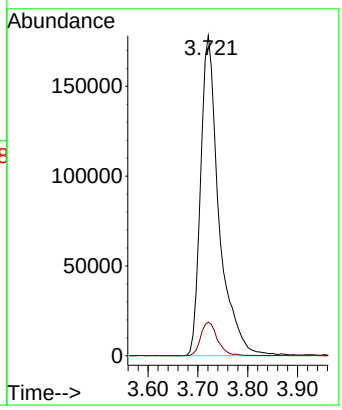


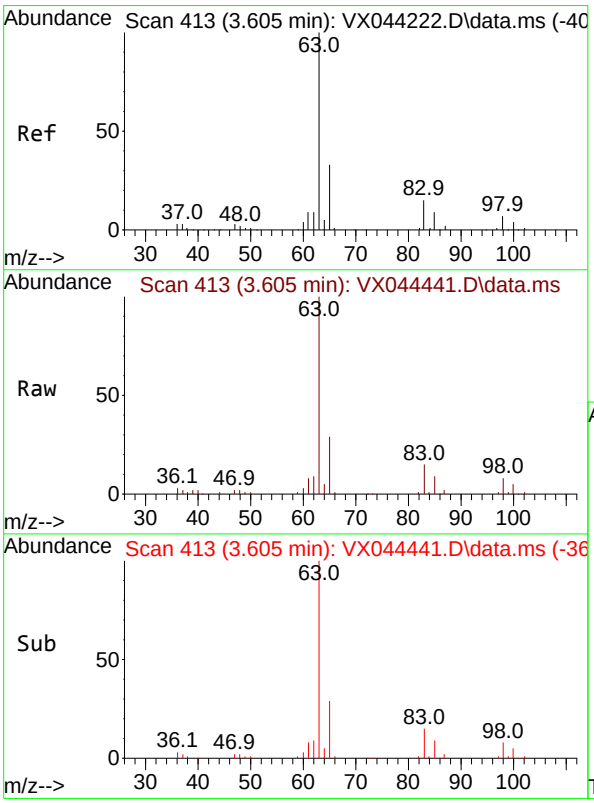

#23
Vinyl Acetate
Concen: 91.069 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 43 Resp: 456052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.2 | 12.2 |

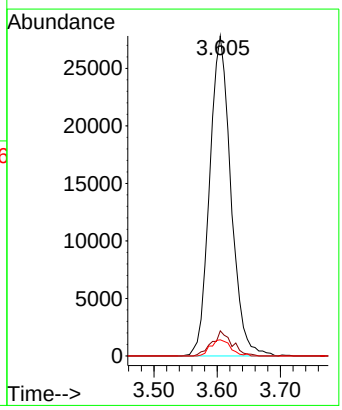


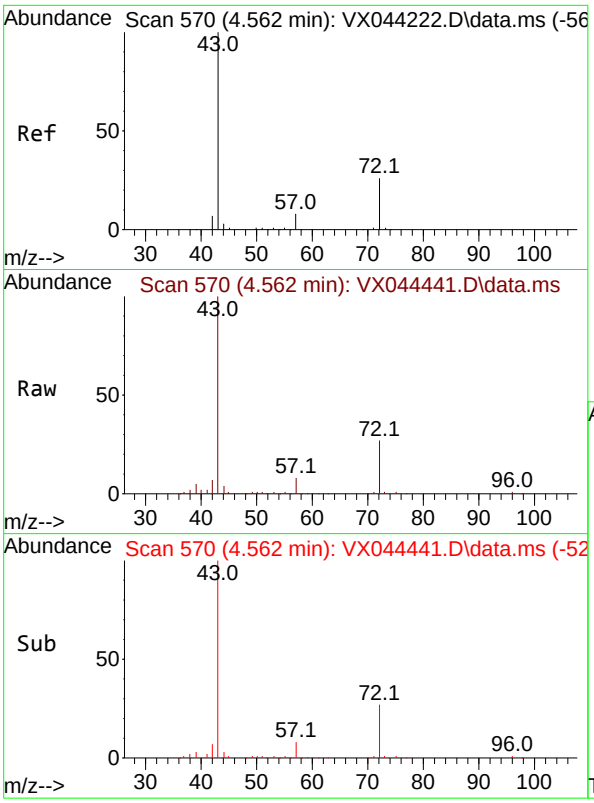




#24
1,1-Dichloroethane
Concen: 18.923 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 63 Resp: 64973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.9 | 3.6 | 10.8 |
| 100 | 5.0 | 2.1 | 6.3 |



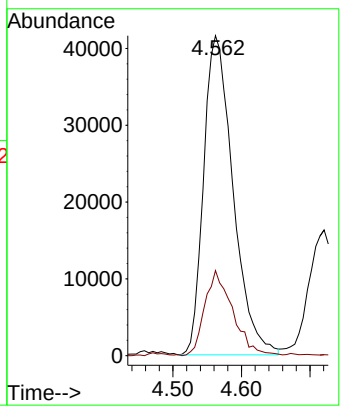


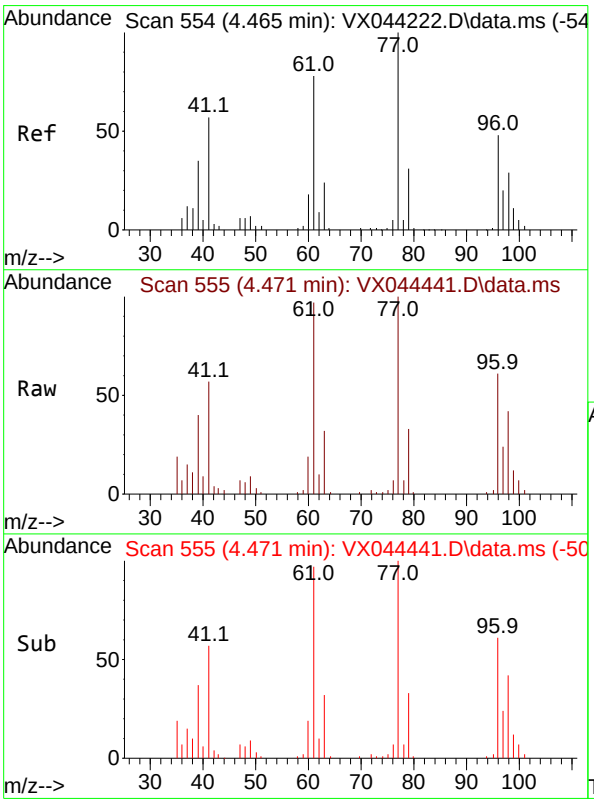

#25
2-Butanone
Concen: 83.289 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 43 Resp: 124008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 20.2 | 30.4 |

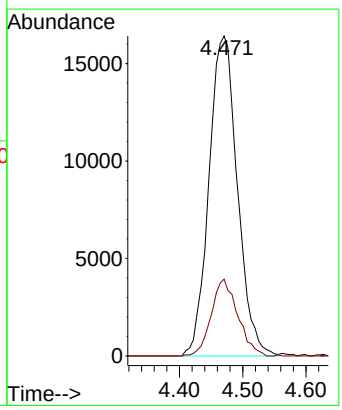


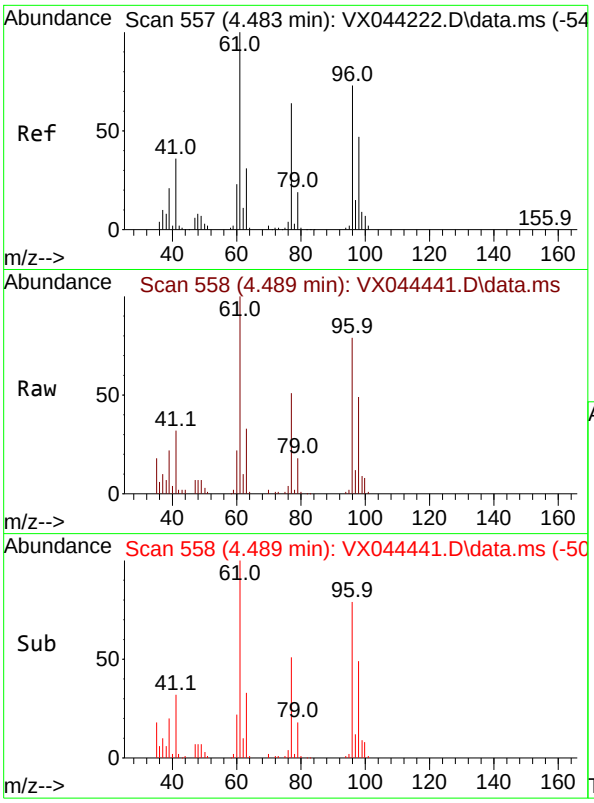




#26
2,2-Dichloropropane
Concen: 18.380 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 77 Resp: 51269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.3 | 10.7 | 32.1 |



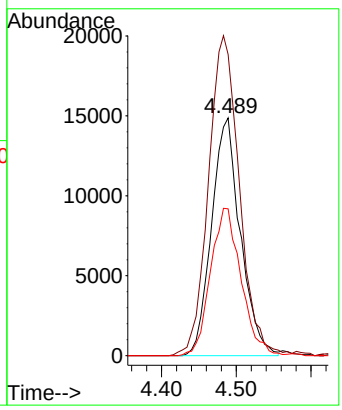


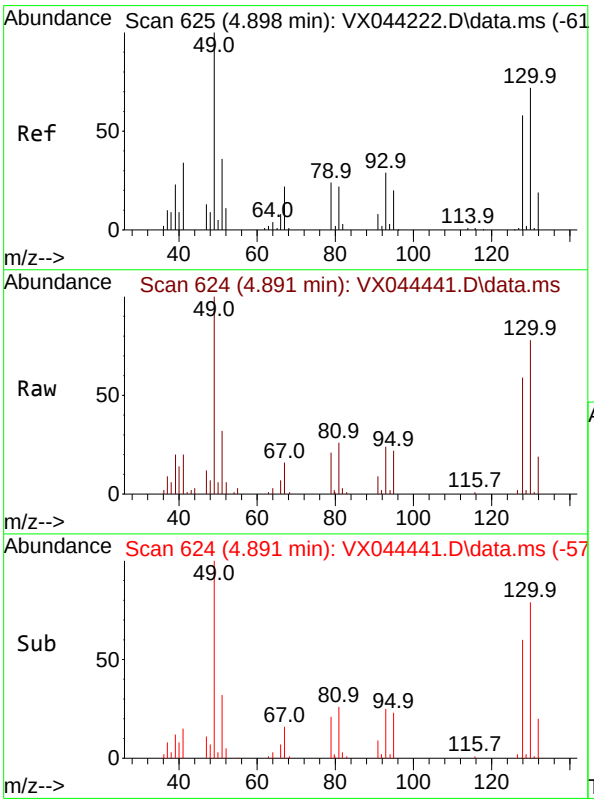

#27
cis-1,2-Dichloroethene
Concen: 17.974 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 96 Resp: 39842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.2 | 0.0 | 299.0 |
| 98 | 65.7 | 0.0 | 129.0 |

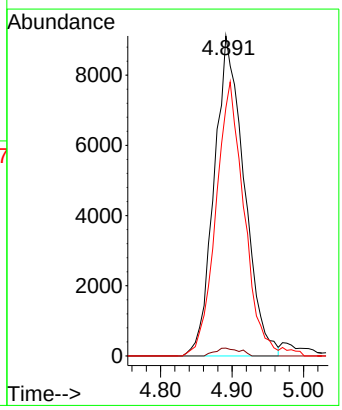


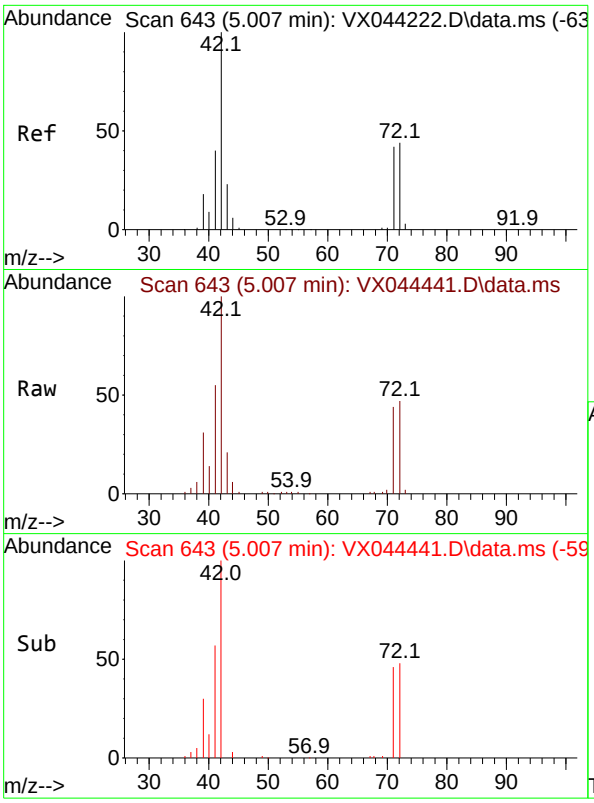




#28
Bromochloromethane
Concen: 15.760 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 49 Resp: 26535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.2 |
| 130 | 80.3 | 62.1 | 93.1 |



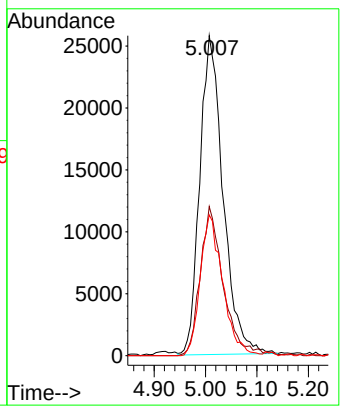


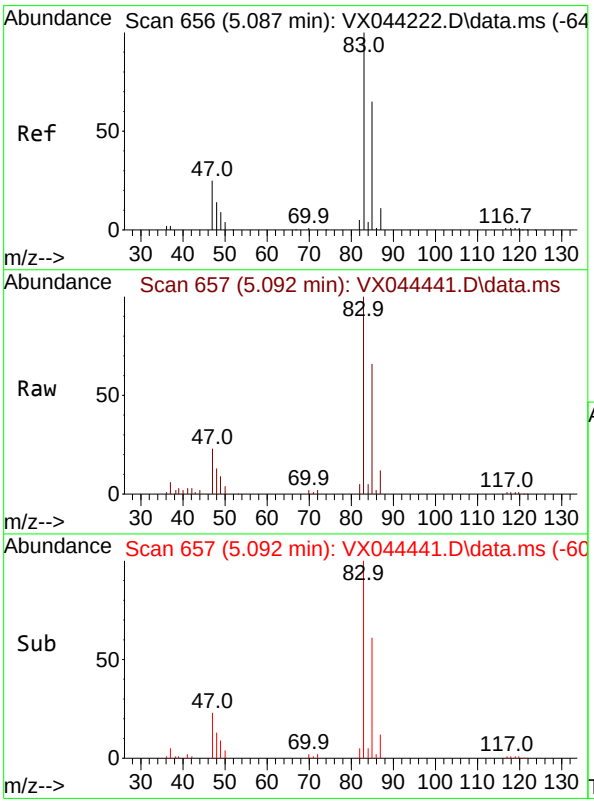

#29
Tetrahydrofuran
Concen: 84.947 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 42 Resp: 81181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.9 | 37.0 | 55.6 |
| 71 | 42.5 | 33.6 | 50.4 |

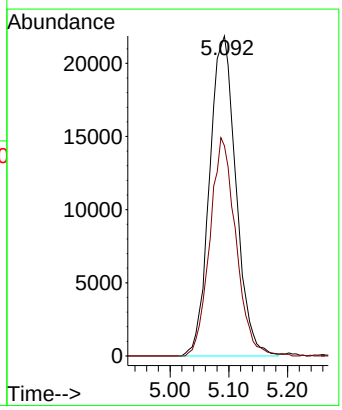


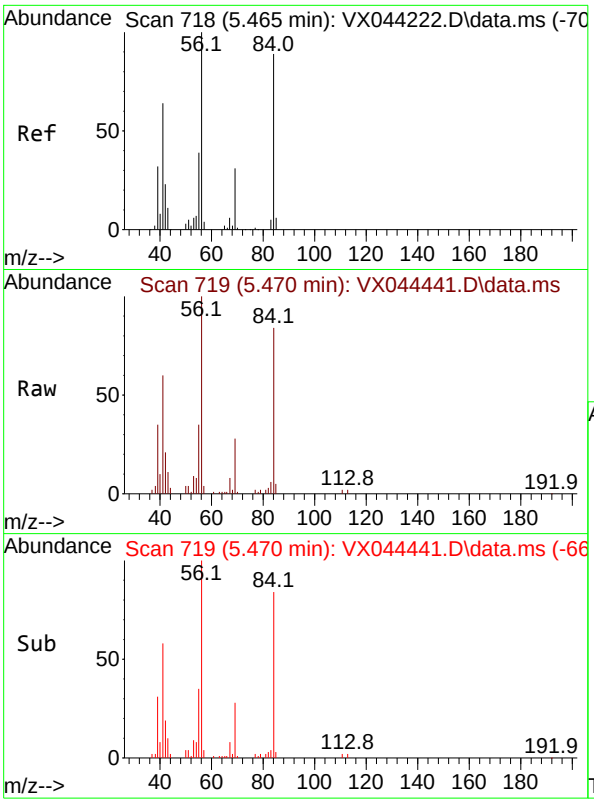




#30
Chloroform
Concen: 17.686 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 83 Resp: 68227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 51.6 | 77.4 |



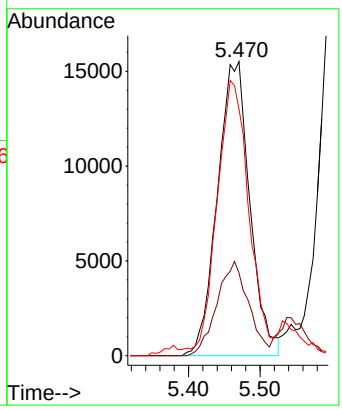


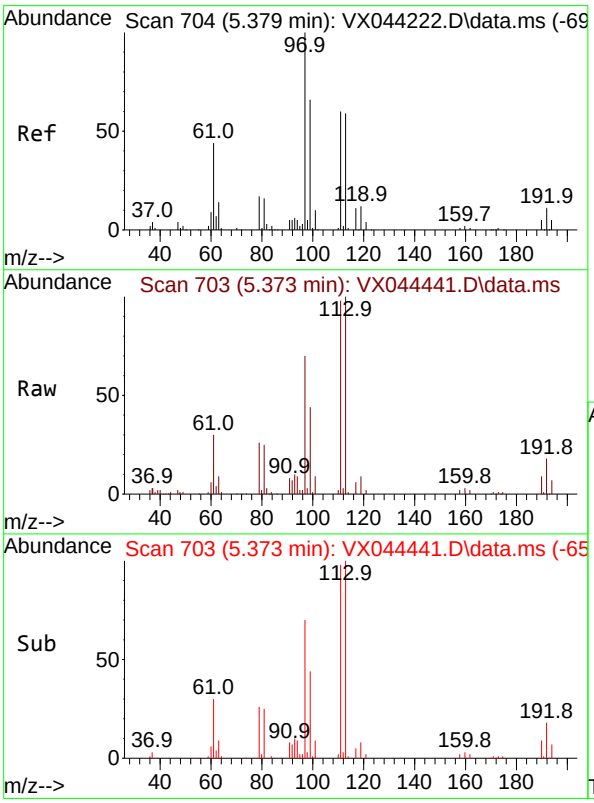

#31
Cyclohexane
Concen: 17.628 ug/l
RT: 5.470 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 56 Resp: 48875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.1 | 24.7 | 37.1 |
| 84 | 81.7 | 71.0 | 106.6 |

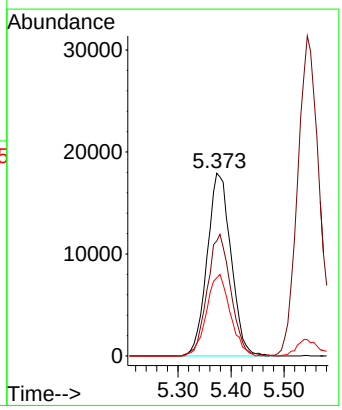


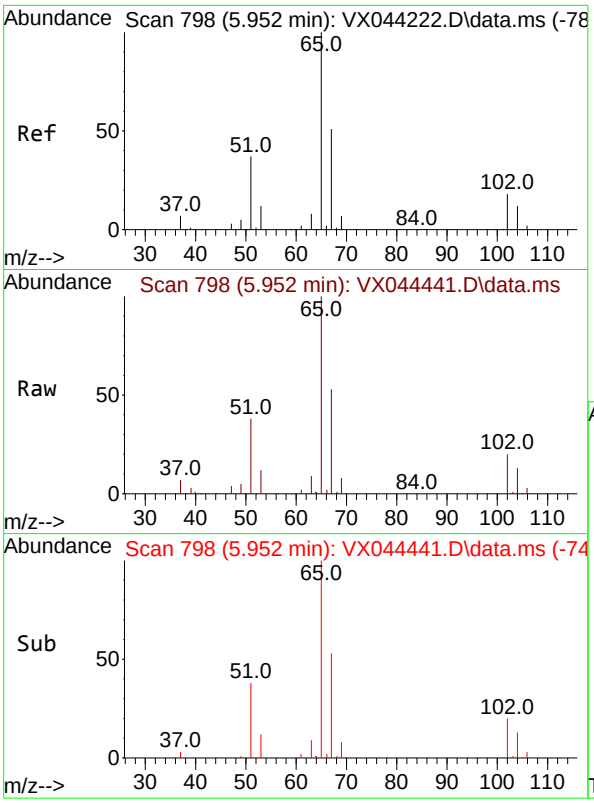




#32
1,1,1-Trichloroethane
Concen: 17.459 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 97 Resp: 55907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.6 | 50.8 | 76.2 |
| 61 | 44.3 | 35.2 | 52.8 |



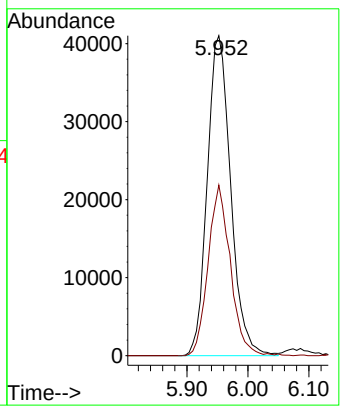


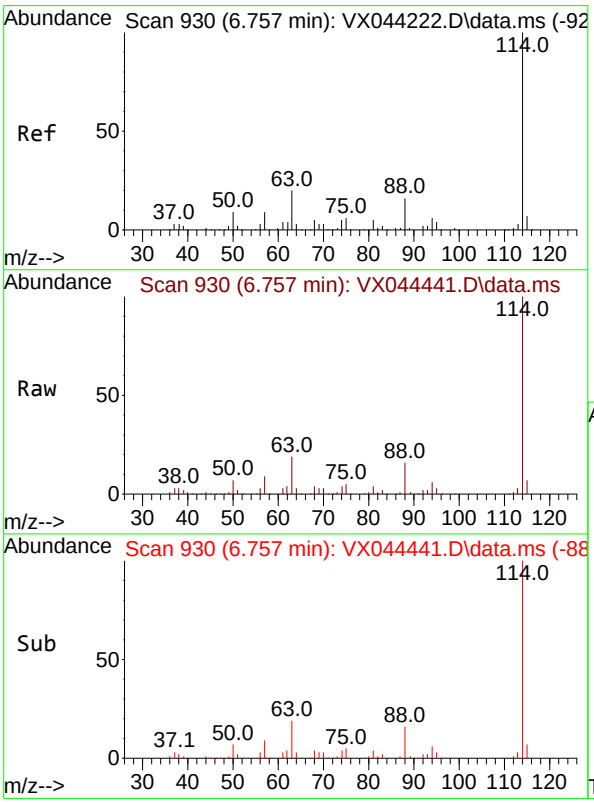

#33
1,2-Dichloroethane-d4
Concen: 42.700 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 65 Resp: 109691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.7 | 0.0 | 101.6 |

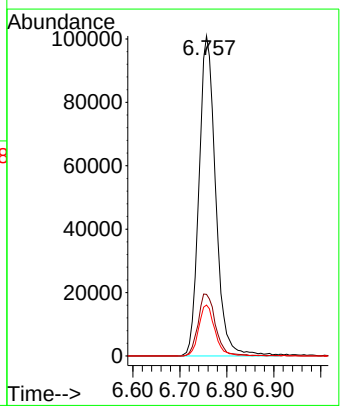


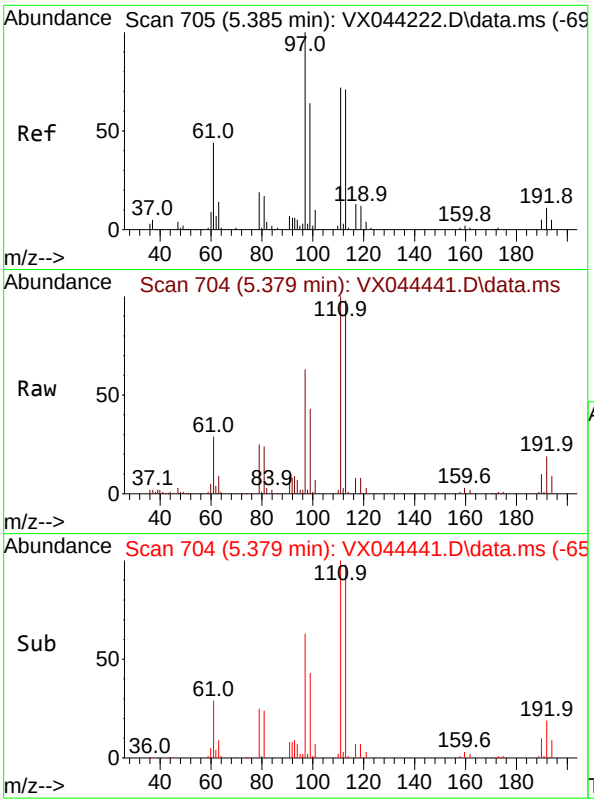




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:114 Resp: 249173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 40.6 |
| 88 | 15.9 | 0.0 | 31.8 |



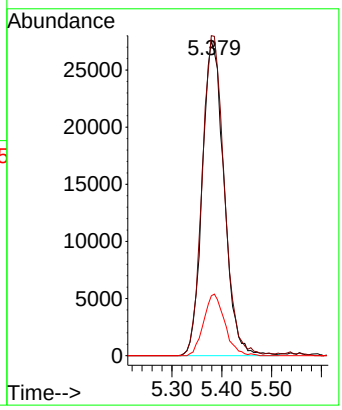


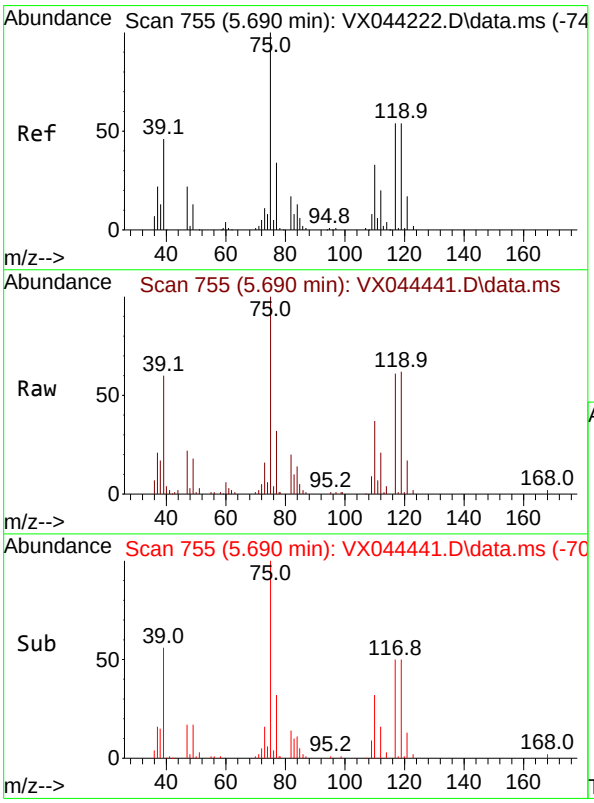

#35
Dibromofluoromethane
Concen: 48.541 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:113 Resp: 83769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 80.4 | 120.6 |
| 192 | 18.9 | 13.3 | 19.9 |

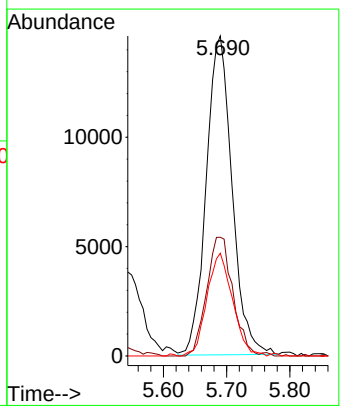


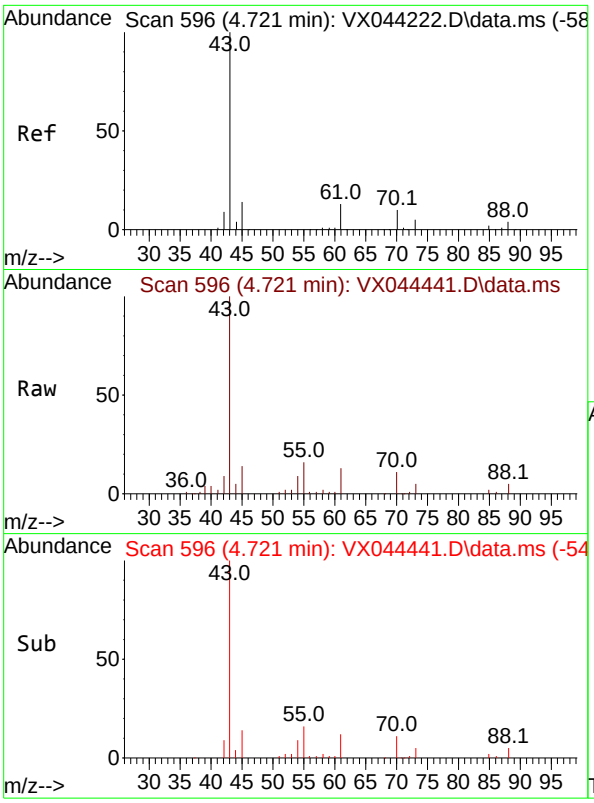




#36
1,1-Dichloropropene
Concen: 18.566 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 41416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 37.6 | 17.3 | 51.7 |
| 77 | 31.9 | 25.4 | 38.0 |



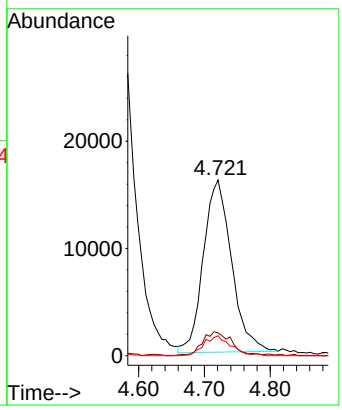


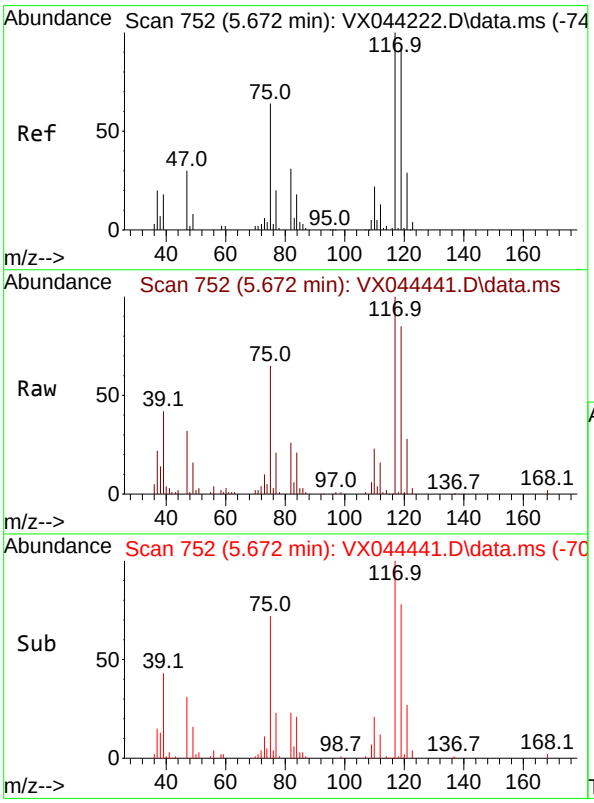

#37
Ethyl Acetate
Concen: 17.412 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 43 Resp: 48014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.3 | 9.8 | 14.8 |
| 70 | 11.0 | 7.7 | 11.5 |

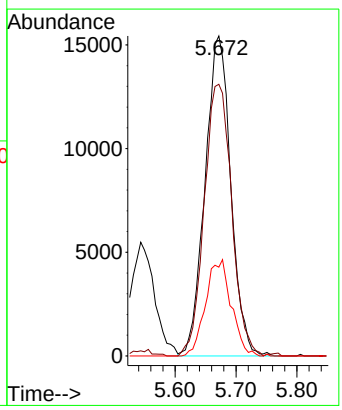


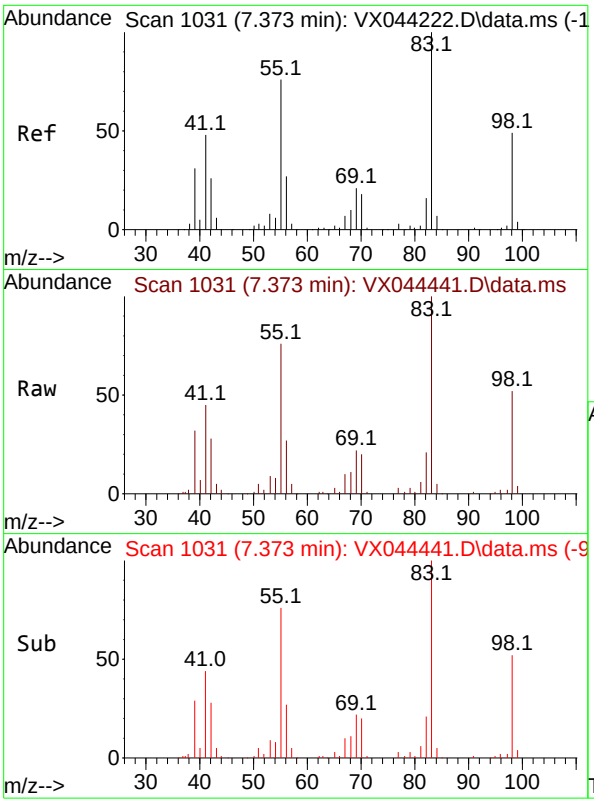




#38
Carbon Tetrachloride
Concen: 18.898 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:117 Resp: 45386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 84.9 | 74.2 | 111.4 |
| 121 | 27.7 | 23.0 | 34.6 |



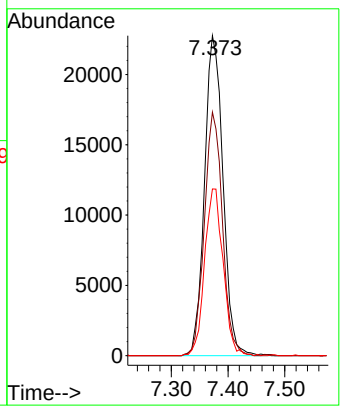


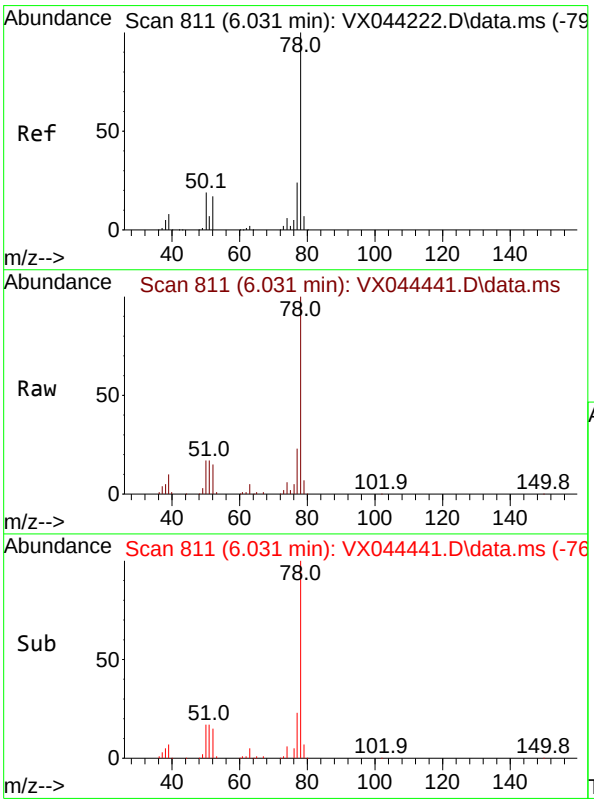

#39
Methylcyclohexane
Concen: 19.332 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 83 Resp: 51554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.1 | 60.7 | 91.1 |
| 98 | 52.1 | 38.9 | 58.3 |

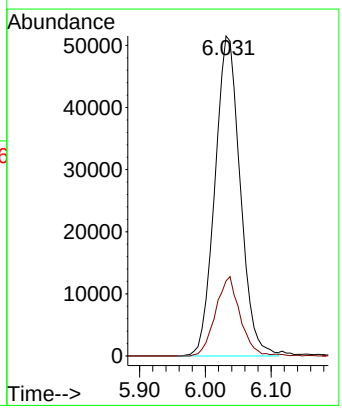


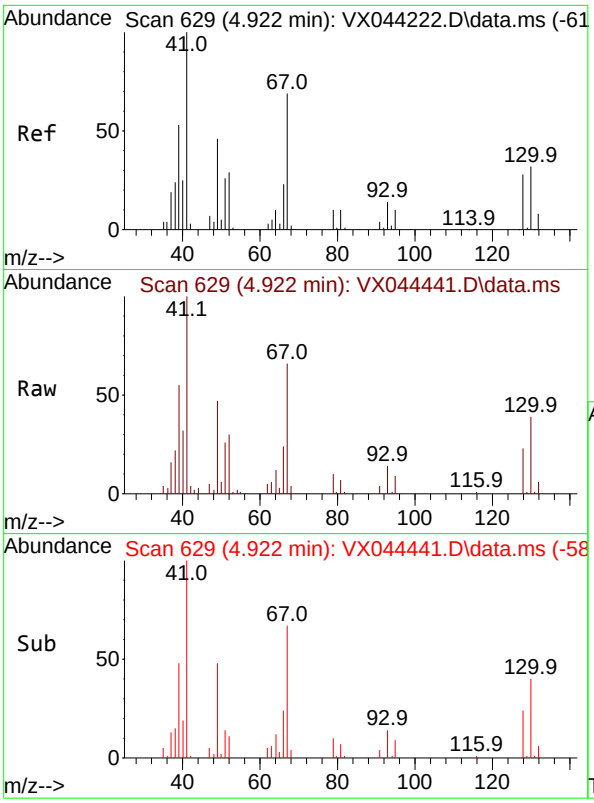




#40
Benzene
Concen: 20.358 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 78 Resp: 137885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |



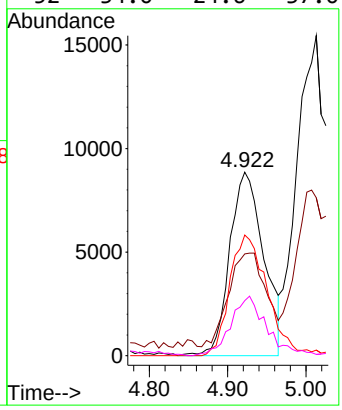


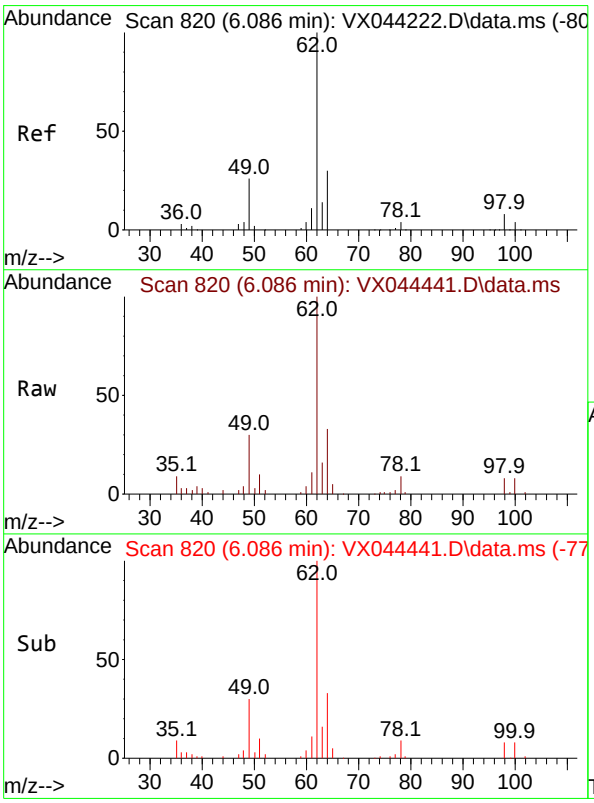

#41
Methacrylonitrile
Concen: 18.343 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 41 Resp: 26859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.0 | 44.2 | 66.4 |
| 67 | 72.8 | 57.2 | 85.8 |
| 52 | 34.0 | 24.6 | 37.0 |

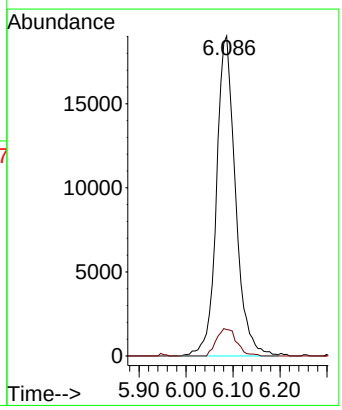


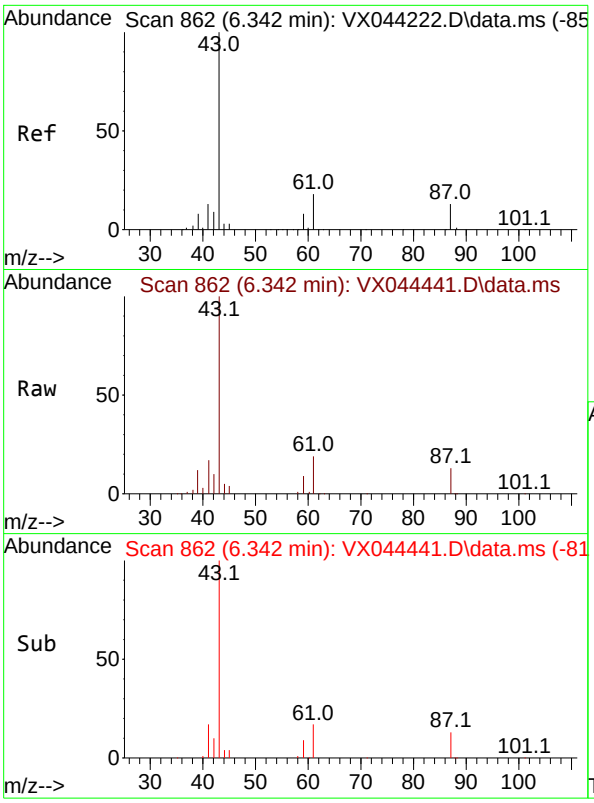




#42
1,2-Dichloroethane
Concen: 19.207 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 62 Resp: 53588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 15.8 |



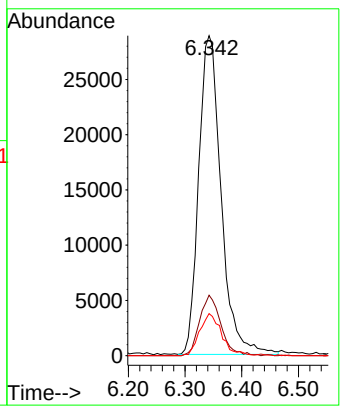


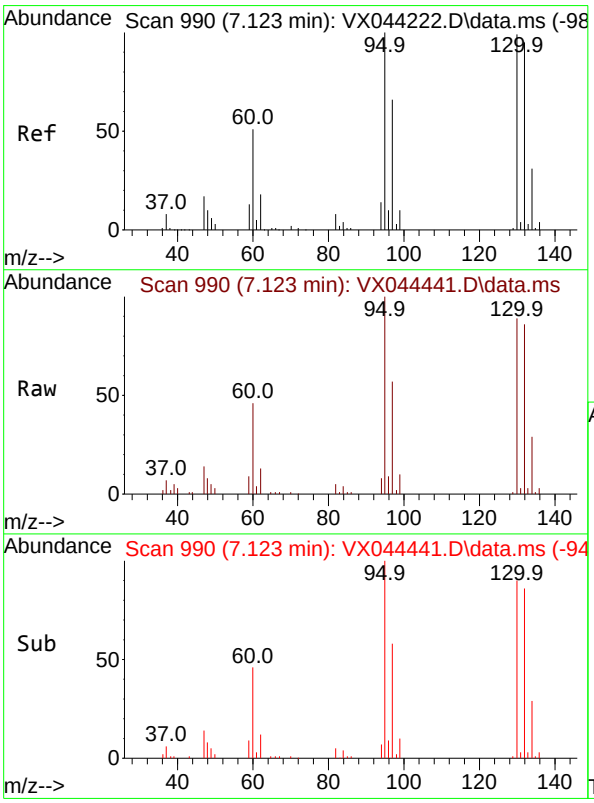

#43
Isopropyl Acetate
Concen: 18.378 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 43 Resp: 79207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.2 | 21.2 |
| 87 | 12.9 | 10.2 | 15.2 |

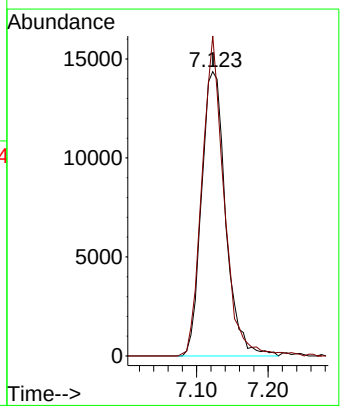


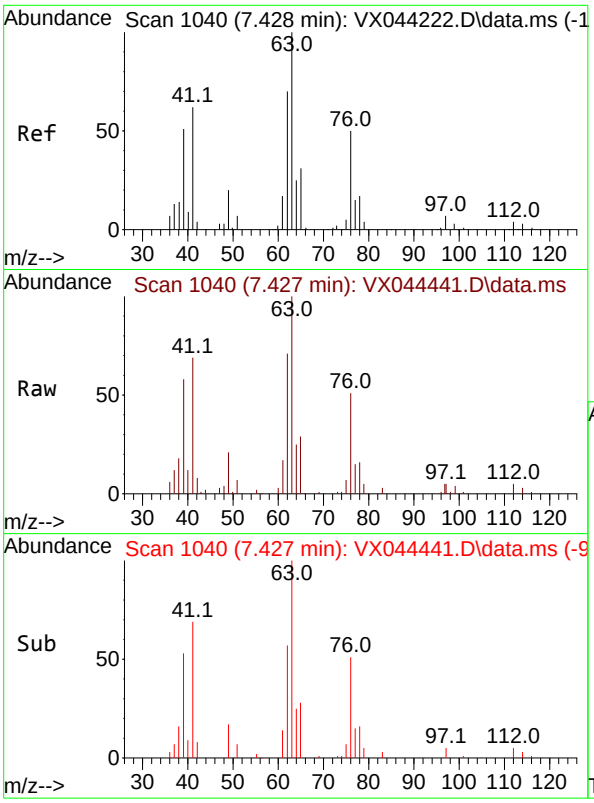




#44
Trichloroethene
Concen: 19.902 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:130 Resp: 33615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 112.5 | 0.0 | 201.4 |



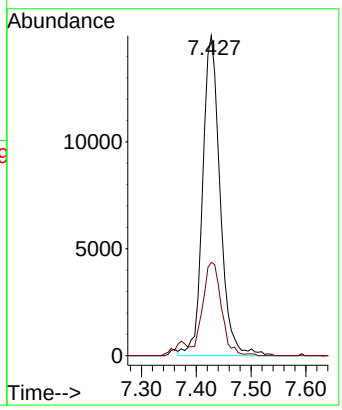


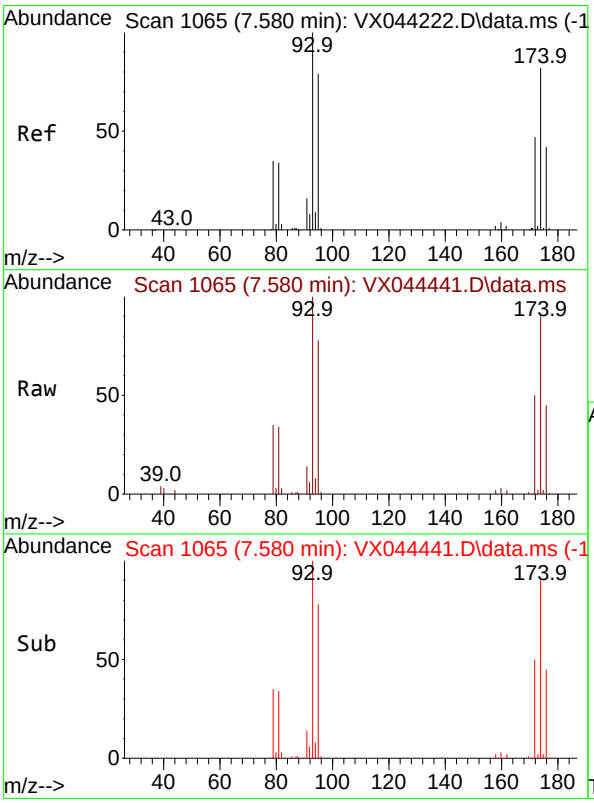

#45
1,2-Dichloropropane
Concen: 19.077 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 63 Resp: 33011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.1 | 24.6 | 37.0 |

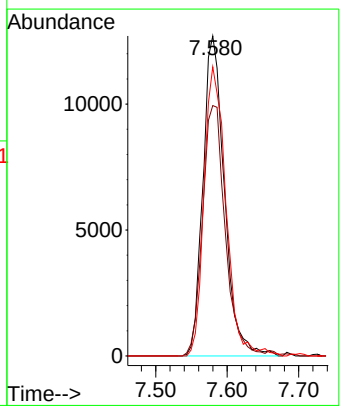


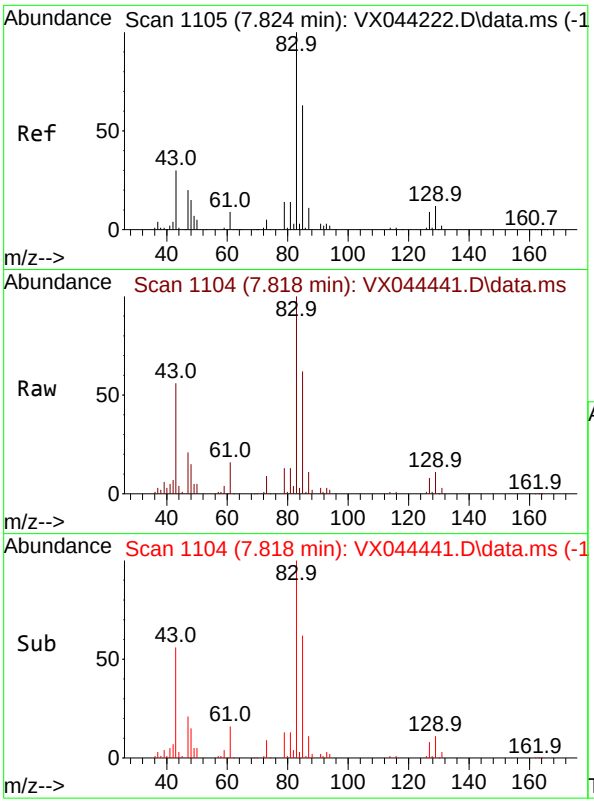




#46
Dibromomethane
Concen: 19.737 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 93 Resp: 26495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 65.4 | 98.2 |
| 174 | 92.4 | 67.9 | 101.9 |



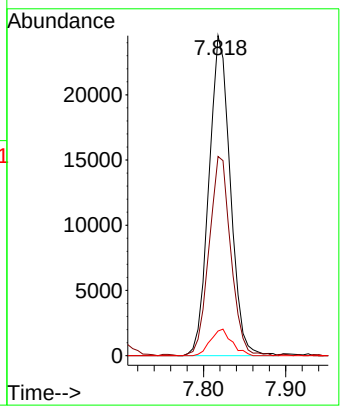


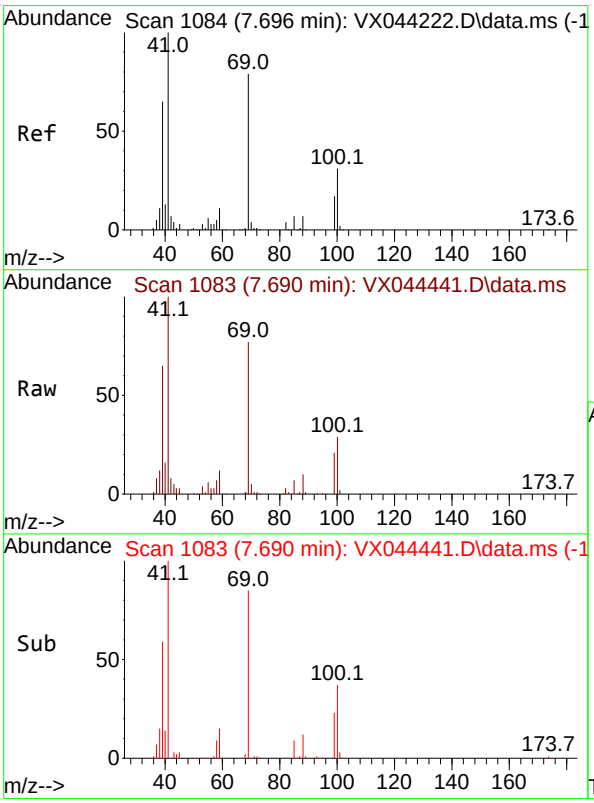

#47
Bromodichloromethane
Concen: 19.132 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 83 Resp: 44357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 50.6 | 75.8 |
| 127 | 7.7 | 7.3 | 10.9 |

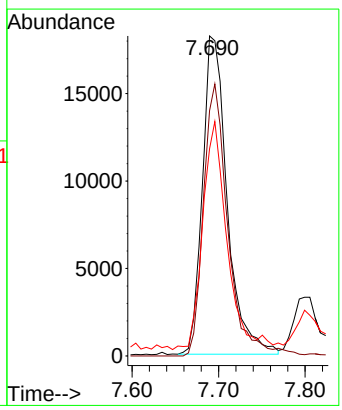


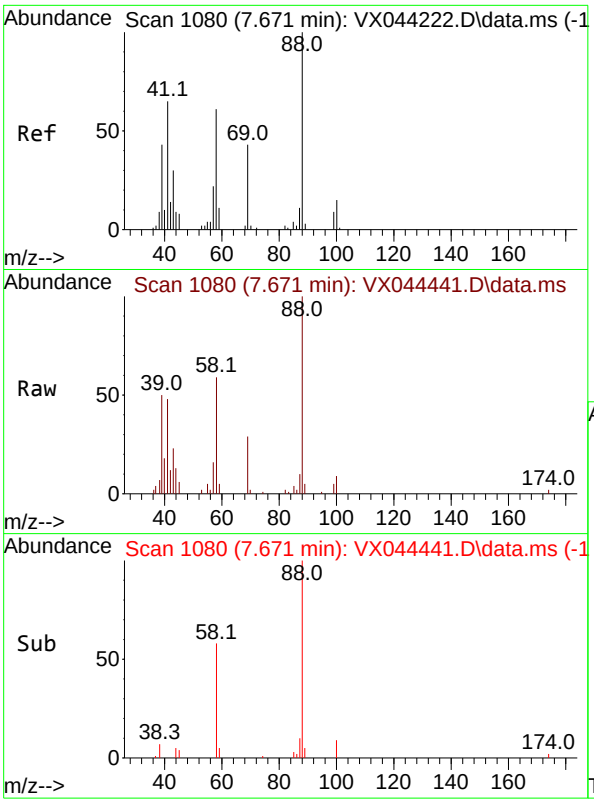




#48
Methyl methacrylate
Concen: 17.281 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 41 Resp: 36154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.8 | 62.4 | 93.6 |
| 39 | 70.2 | 53.3 | 79.9 |



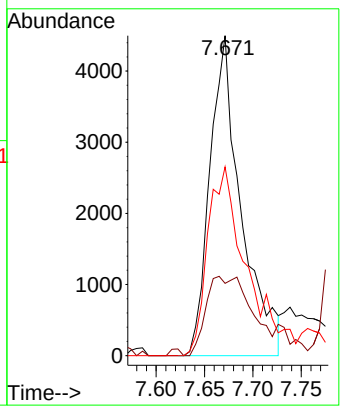


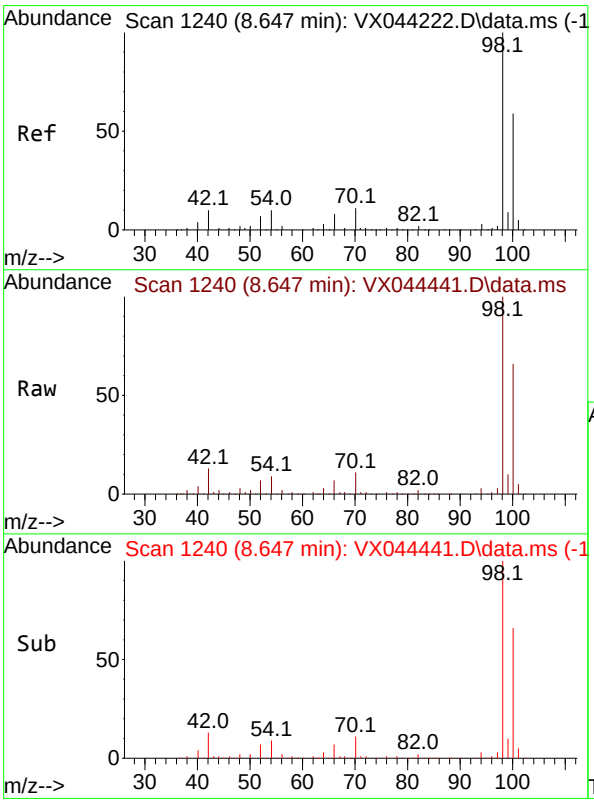

#49
1,4-Dioxane
Concen: 292.846 ug/l
RT: 7.671 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 88 Resp: 10158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.0 | 27.1 | 40.7 |
| 58 | 73.5 | 41.0 | 61.4# |

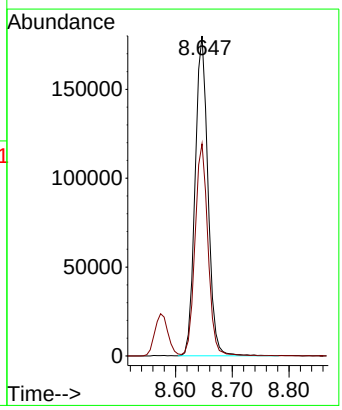


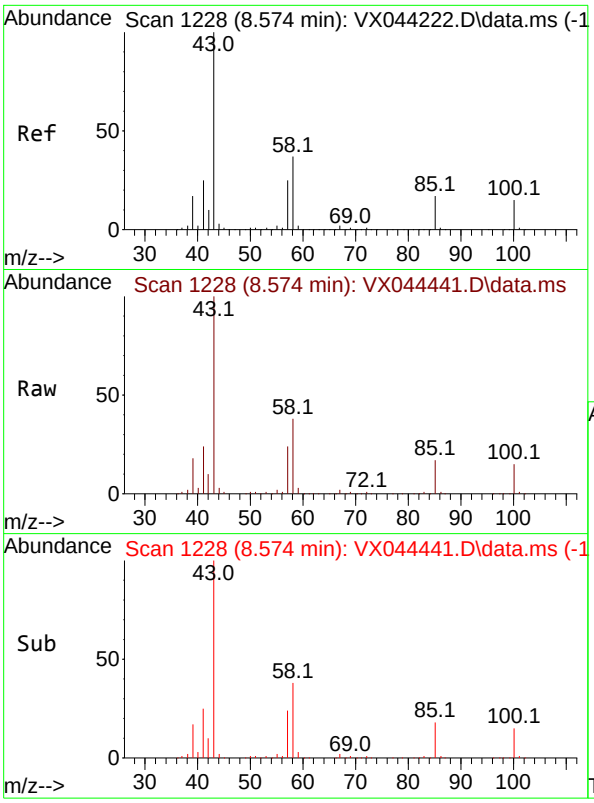




#50
Toluene-d8
Concen: 48.669 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 98 Resp: 283358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 51.5 | 77.3 |



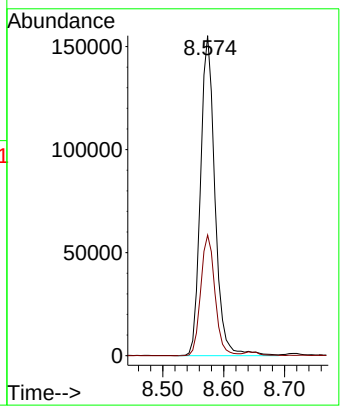


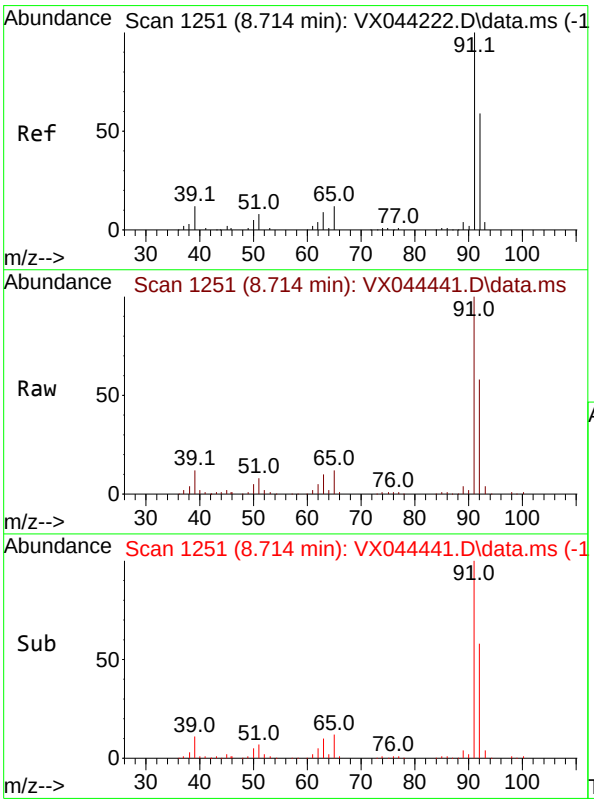

#51
4-Methyl-2-Pentanone
Concen: 92.373 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 43 Resp: 255984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 29.4 | 44.0 |

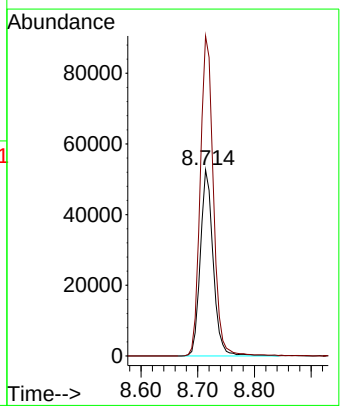


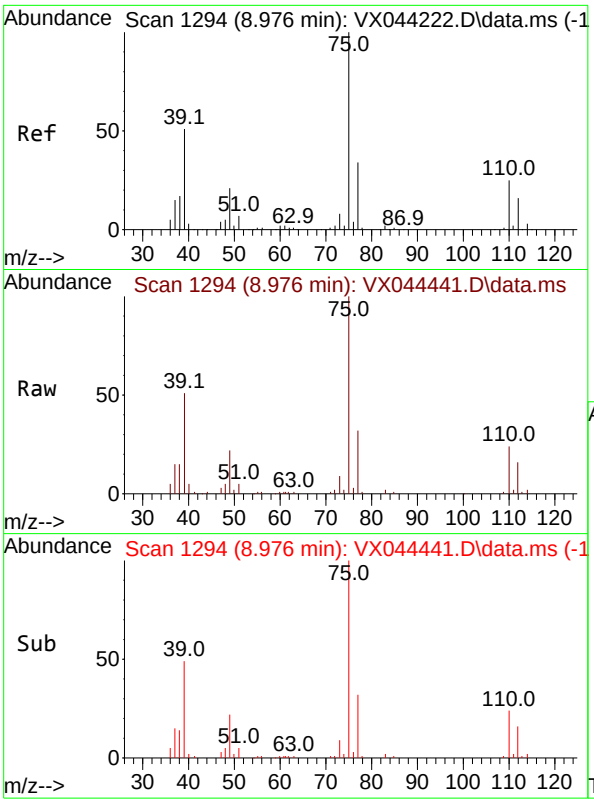




#52
Toluene
Concen: 19.504 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 92 Resp: 82957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.4 | 137.0 | 205.6 |



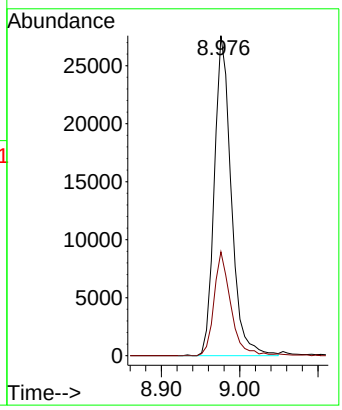


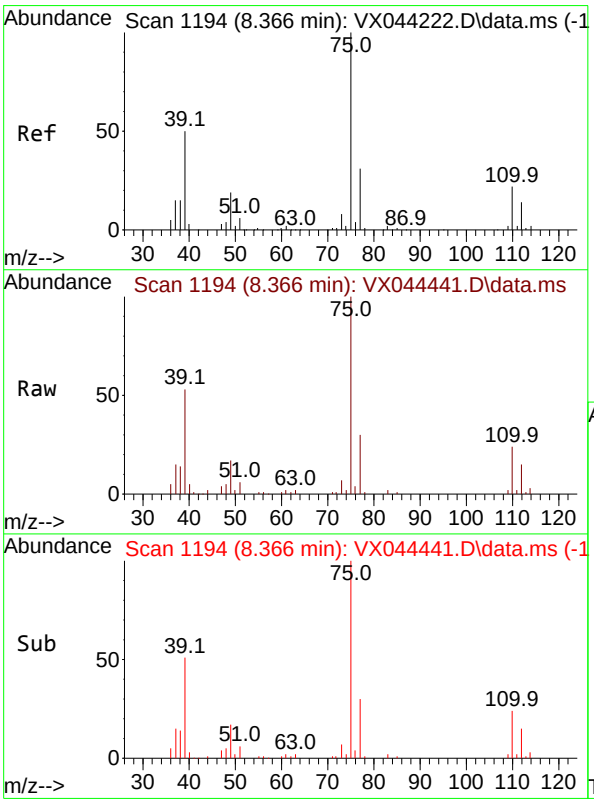

#53
t-1,3-Dichloropropene
Concen: 17.860 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 75 Resp: 41417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 27.2 | 40.8 |

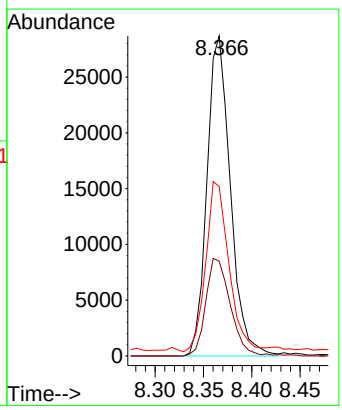


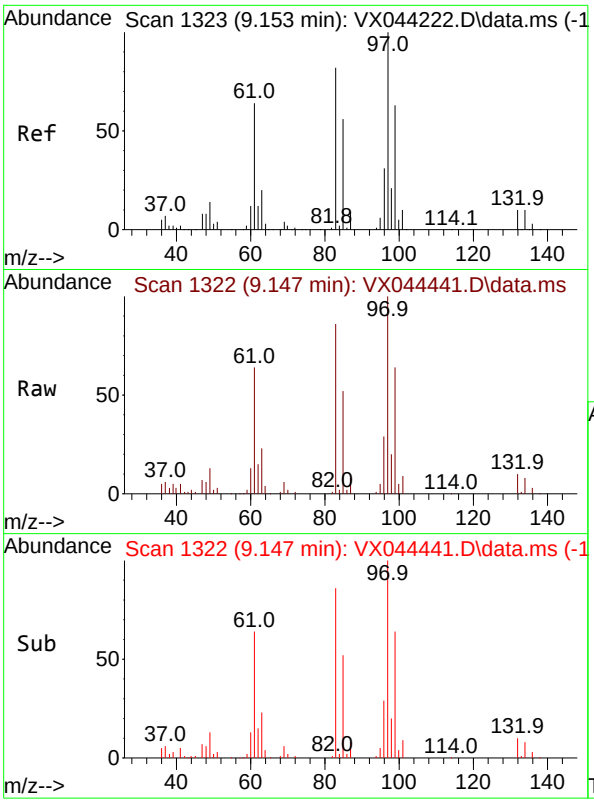




#54
cis-1,3-Dichloropropene
Concen: 19.157 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 48359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.6 | 24.7 | 37.1 |
| 39 | 51.1 | 40.3 | 60.5 |



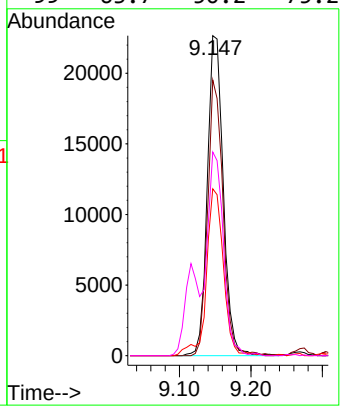


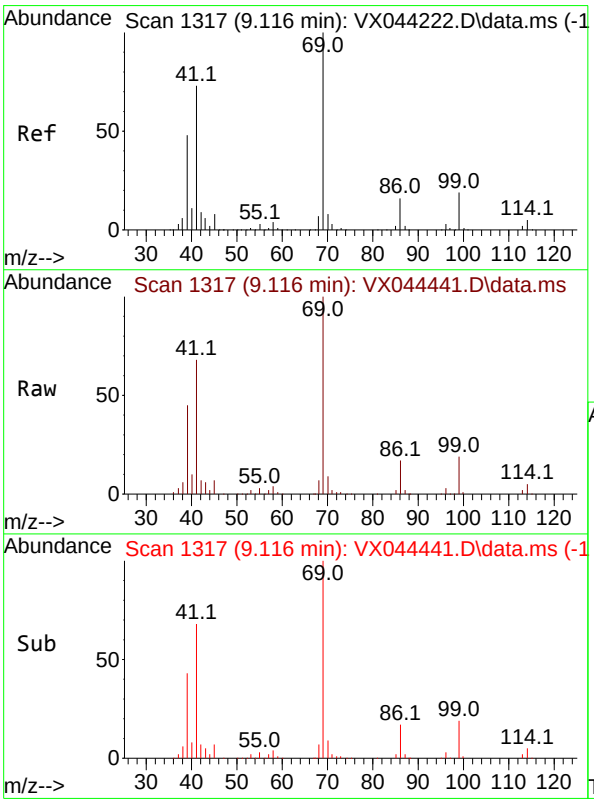

#55
1,1,2-Trichloroethane
Concen: 20.801 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 97 Resp: 35148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 65.3 | 97.9 |
| 85 | 51.7 | 44.6 | 67.0 |
| 99 | 63.7 | 50.2 | 75.2 |

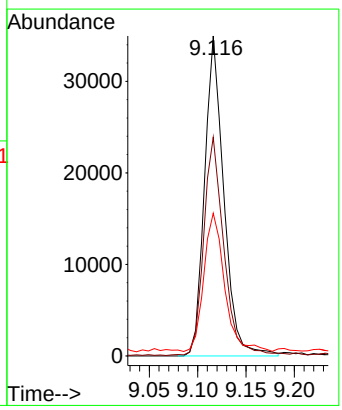


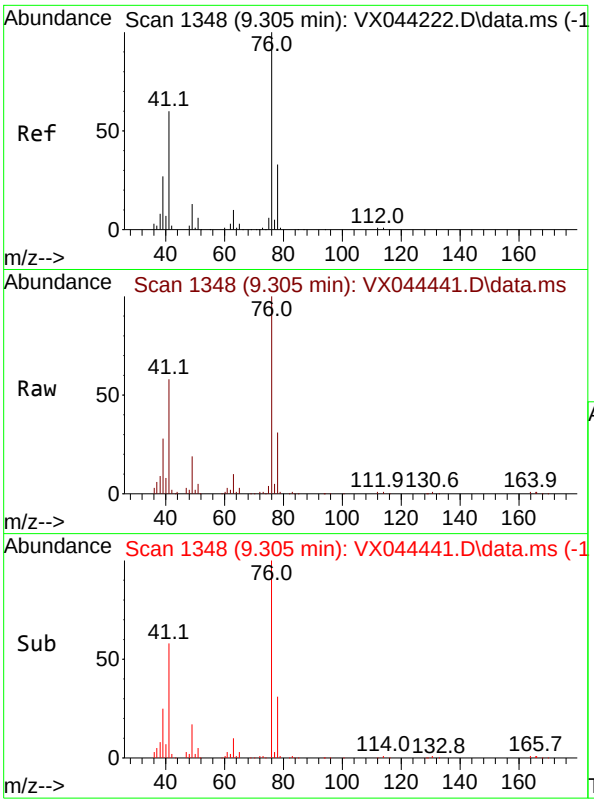




#56
Ethyl methacrylate
Concen: 18.235 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 69 Resp: 48642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.0 | 56.6 | 85.0 |
| 39 | 46.3 | 37.4 | 56.0 |



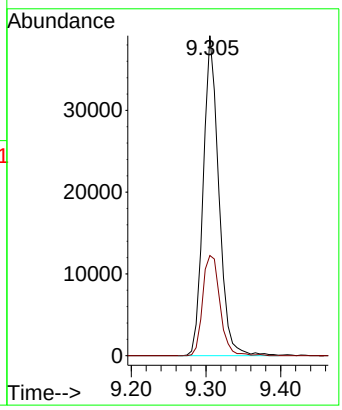


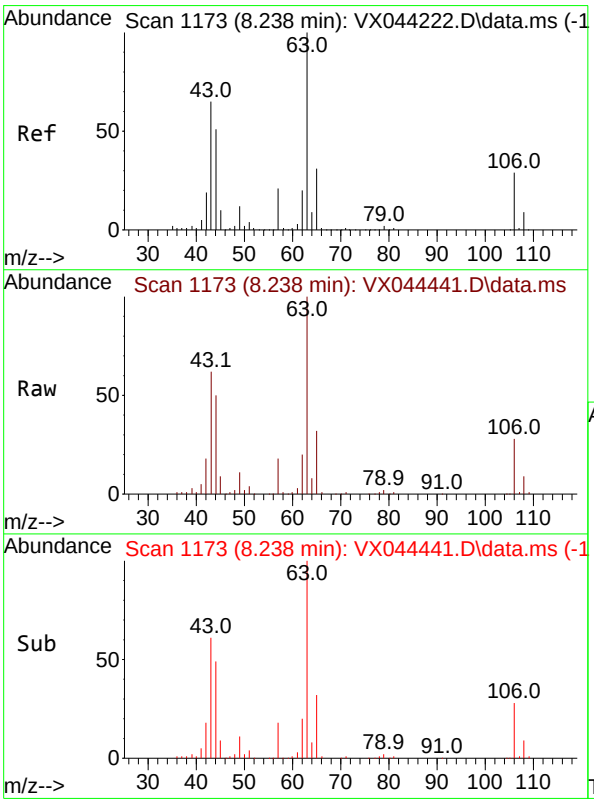

#57
1,3-Dichloropropane
Concen: 19.260 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 76 Resp: 56644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 34.8 | 26.5 | 39.7 |

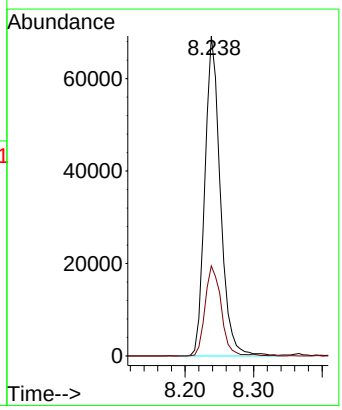


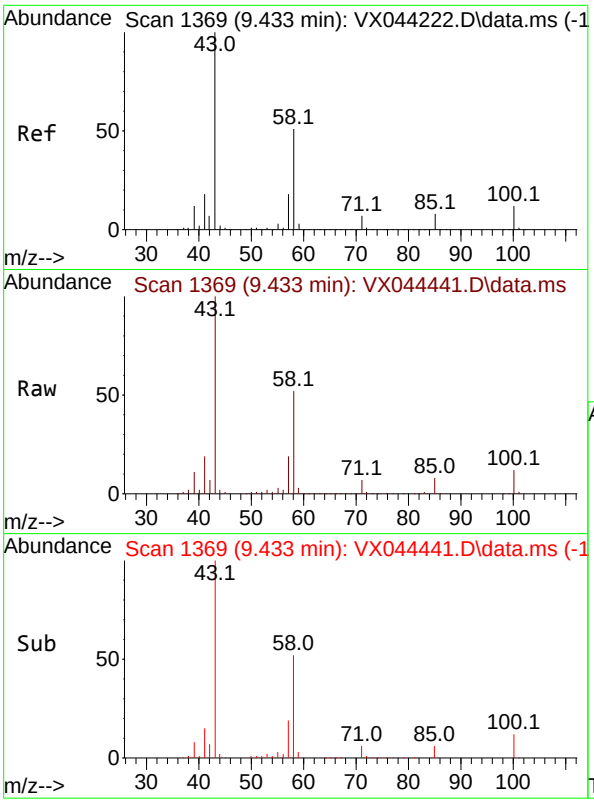




#58
2-Chloroethyl Vinyl ether
Concen: 81.033 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 63 Resp: 109022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.3 | 22.8 | 34.2 |



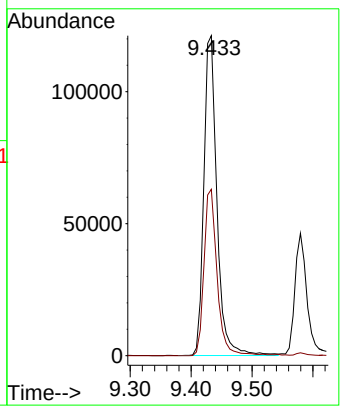


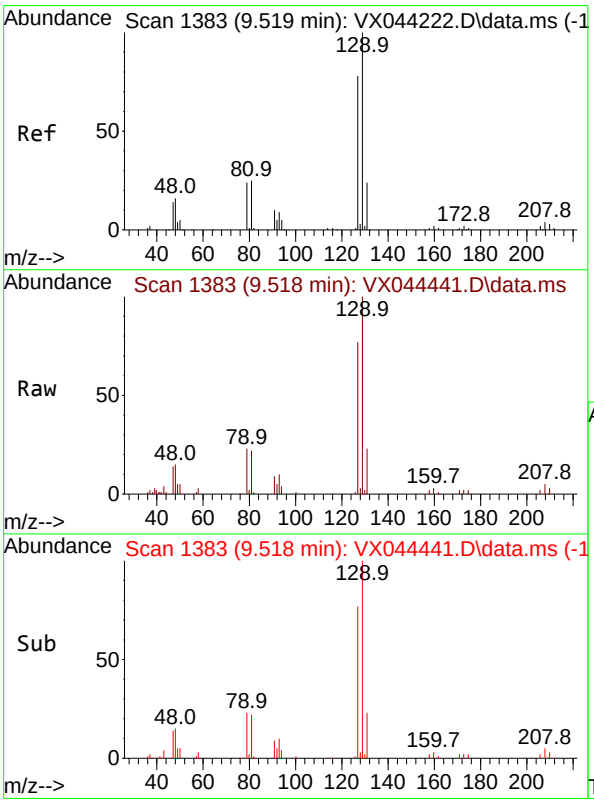

#59
2-Hexanone
Concen: 90.356 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 43 Resp: 181241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.2 | 25.7 | 77.0 |

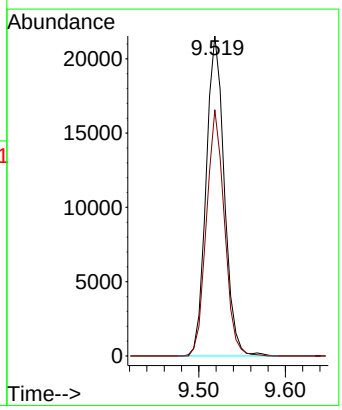


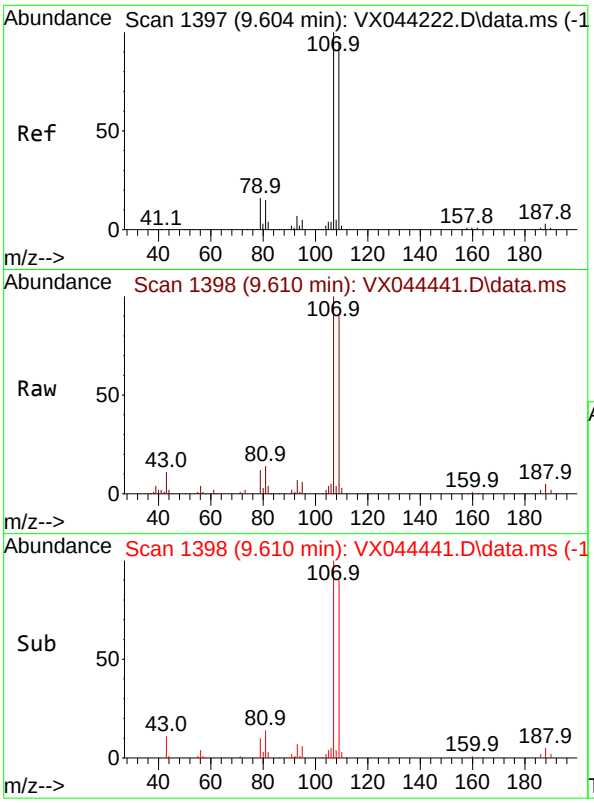




#60
Dibromochloromethane
Concen: 18.848 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:129 Resp: 31411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.9 | 38.5 | 115.3 |



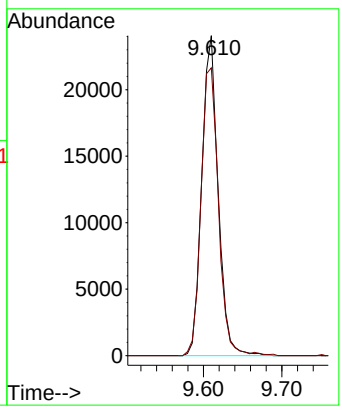


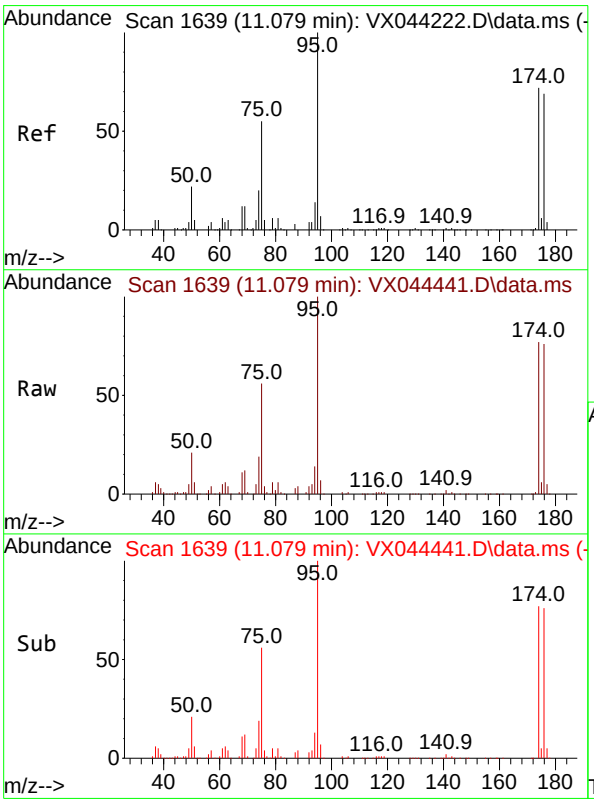

#61
1,2-Dibromoethane
Concen: 20.234 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:107 Resp: 34801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.1 | 77.0 | 115.4 |

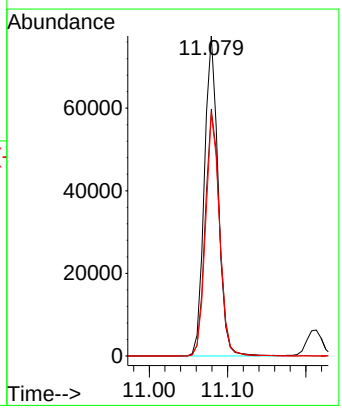


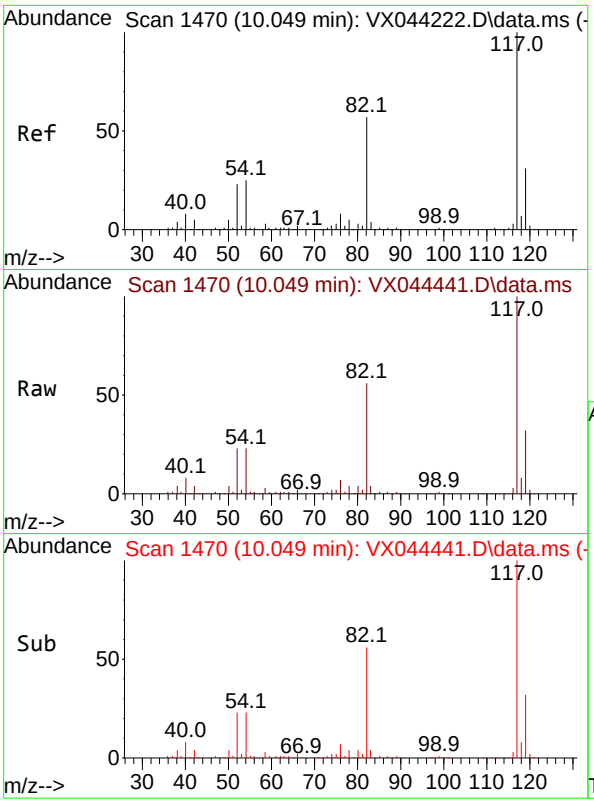




#62
4-Bromofluorobenzene
Concen: 46.443 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 95 Resp: 94485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.5 | 0.0 | 145.8 |
| 176 | 76.2 | 0.0 | 137.8 |



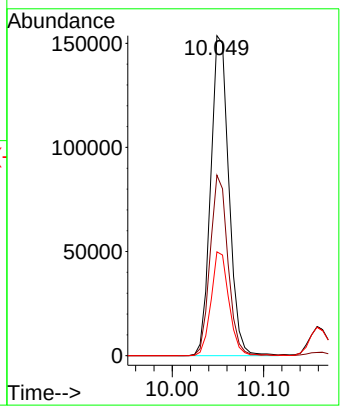


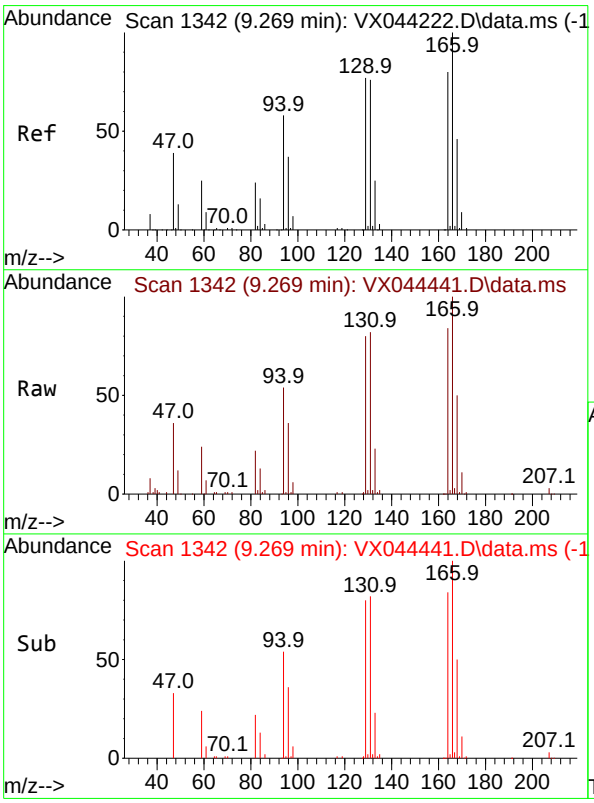

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:117 Resp: 212384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 45.8 | 68.8 |
| 119 | 32.5 | 25.0 | 37.4 |

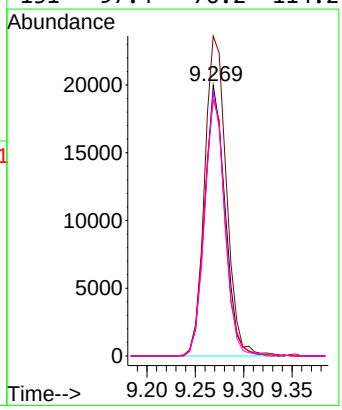


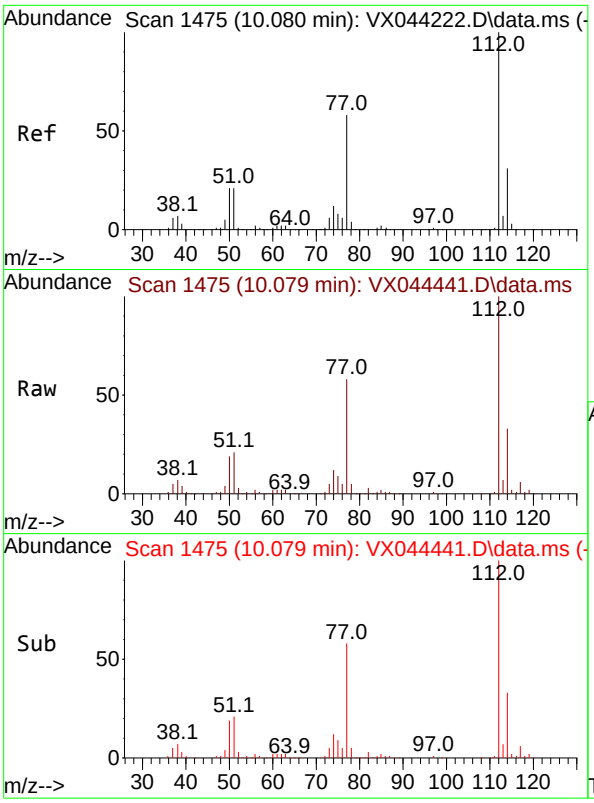




#64
Tetrachloroethene
Concen: 20.762 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:164 Resp: 29267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 118.4 | 100.4 | 150.6 |
| 129 | 94.7 | 77.2 | 115.8 |
| 131 | 97.4 | 76.2 | 114.2 |



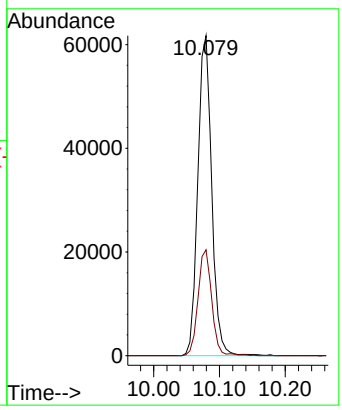


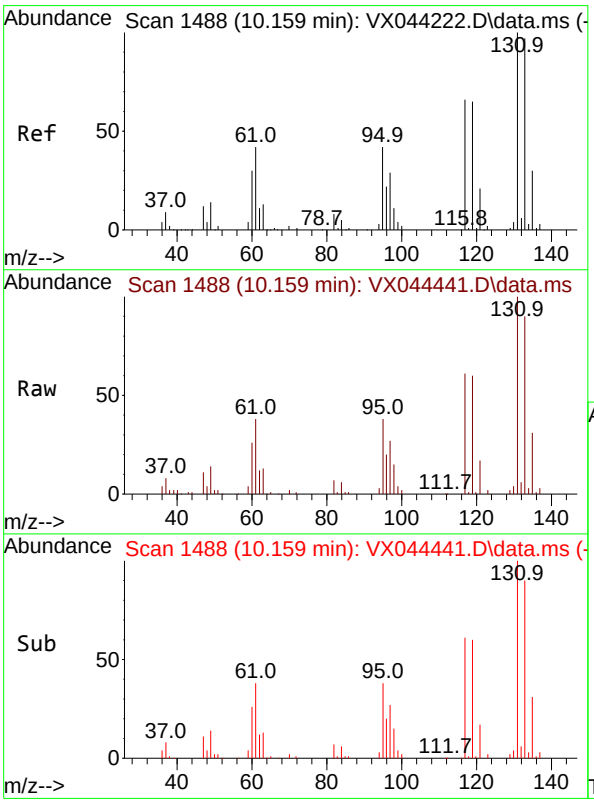

#65
Chlorobenzene
Concen: 19.906 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:112 Resp: 90589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.1 | 25.0 | 37.6 |

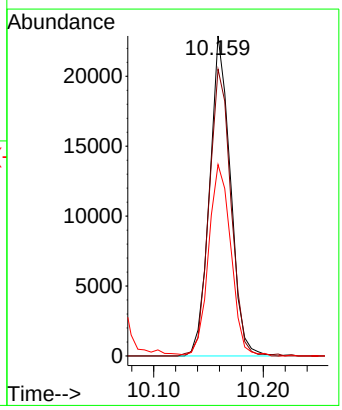


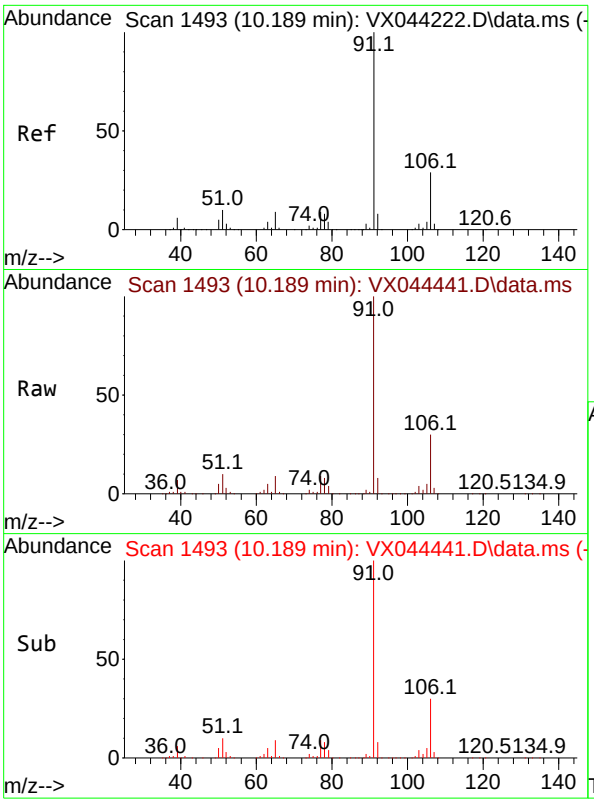




#66
1,1,1,2-Tetrachloroethane
Concen: 20.643 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:131 Resp: 30193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.9 | 47.3 | 141.8 |
| 119 | 63.9 | 31.6 | 95.0 |



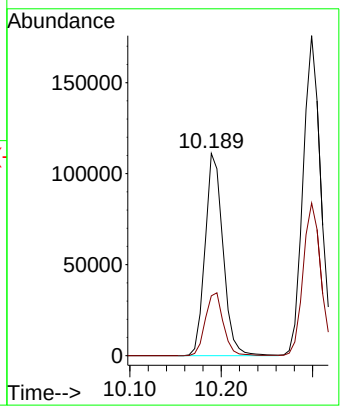


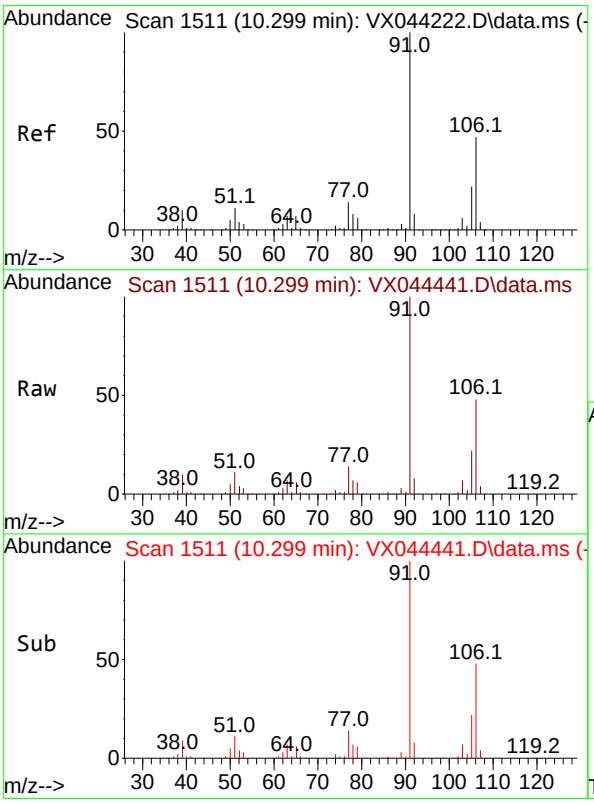

#67
Ethyl Benzene
Concen: 19.217 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 91 Resp: 151105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 23.5 | 35.3 |

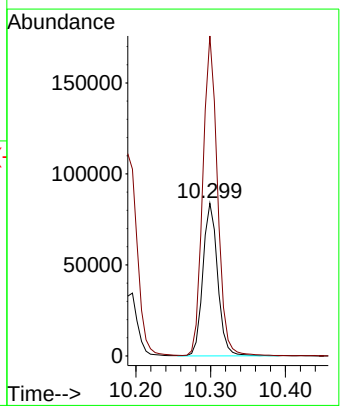


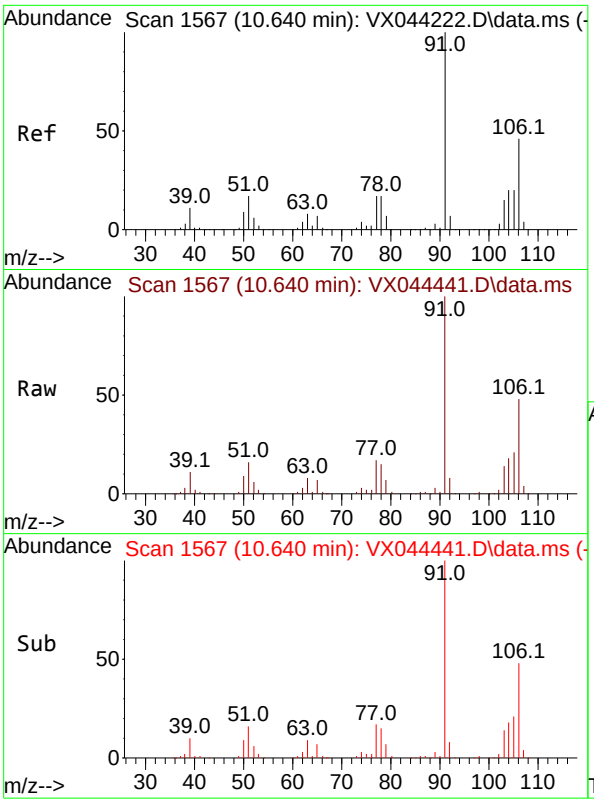




#68
m/p-Xylenes
Concen: 39.825 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:106 Resp: 114910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 170.2 | 255.2 |



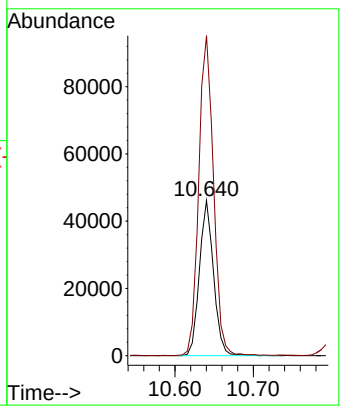


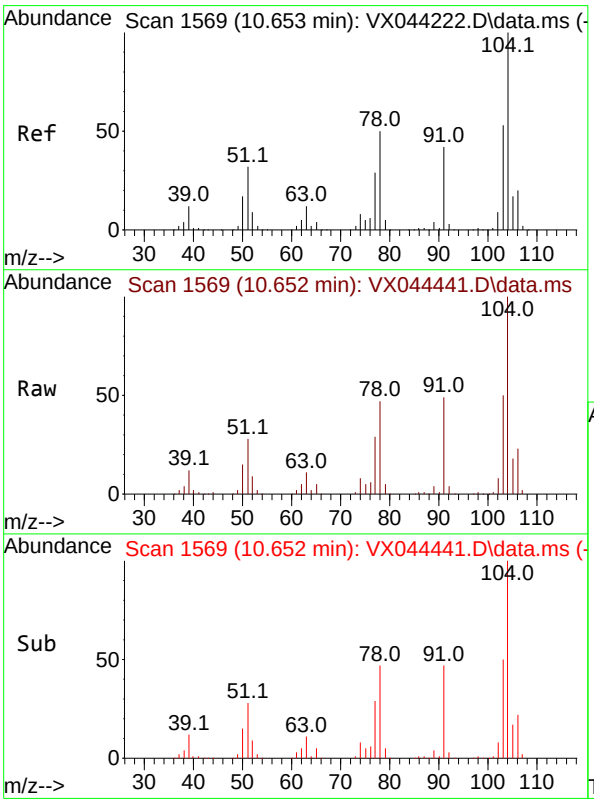

#69
o-Xylene
Concen: 19.797 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:106 Resp: 57794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.0 | 112.3 | 337.0 |

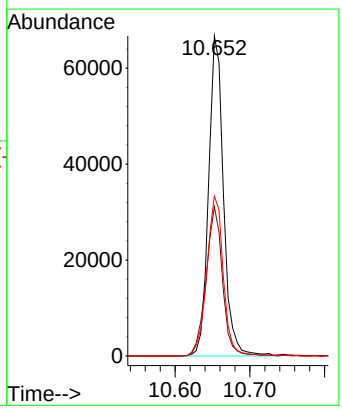


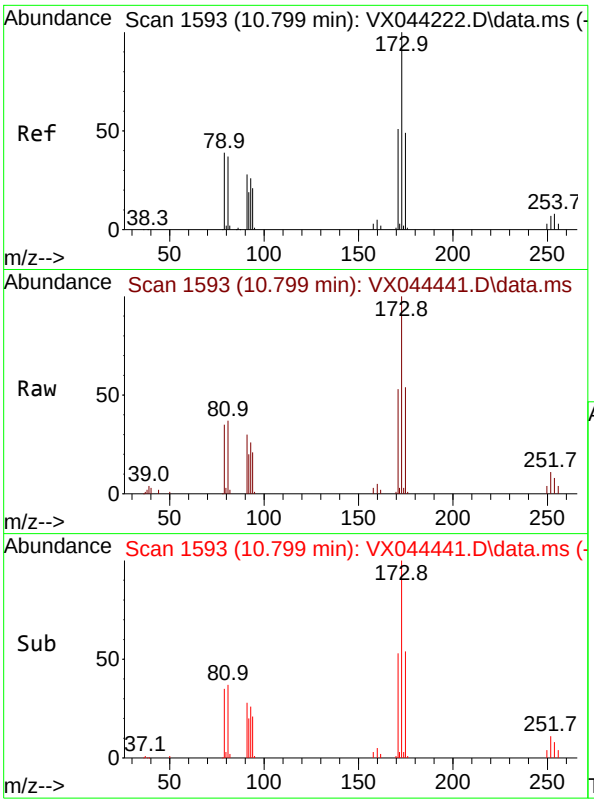




#70
Styrene
Concen: 19.825 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:104 Resp: 92784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.2 | 44.6 | 67.0 |
| 103 | 55.0 | 45.4 | 68.0 |



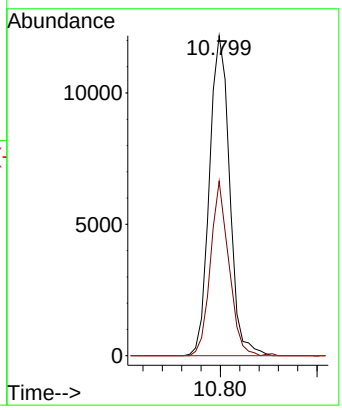


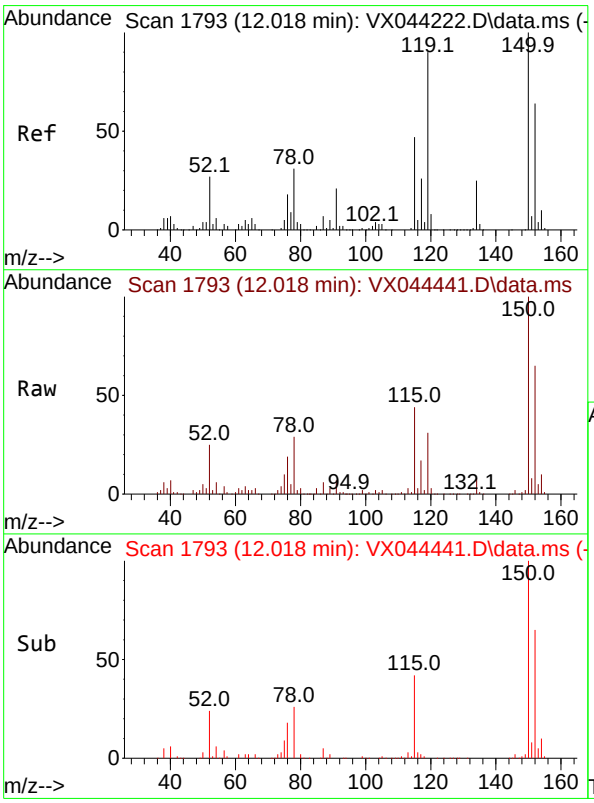

#71
Bromoform
Concen: 19.275 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:173 Resp: 17659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.7 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

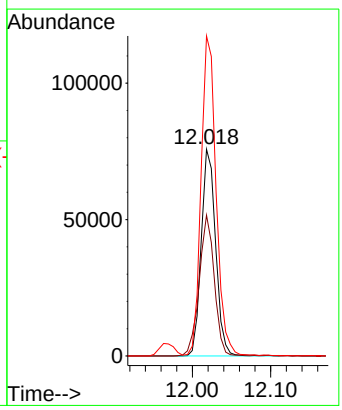


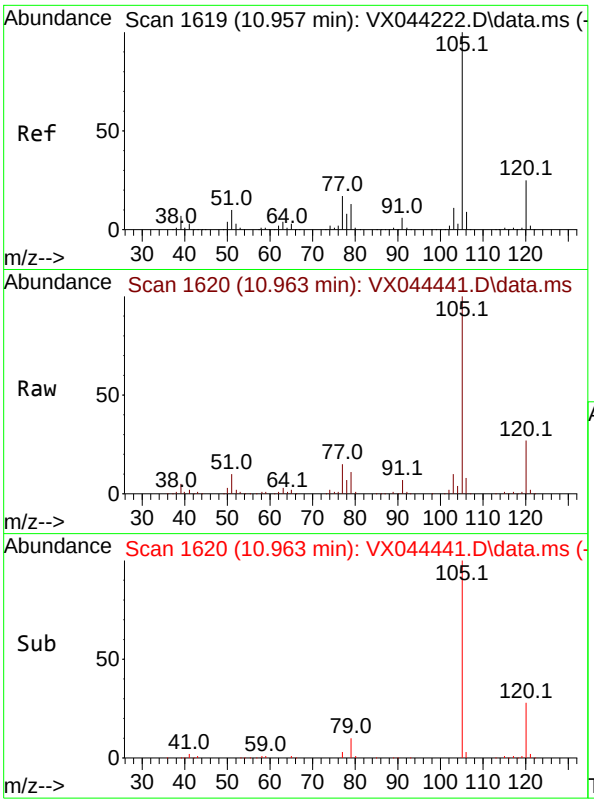




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:152 Resp: 96885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.2 | 44.5 | 133.3 |
| 150 | 160.7 | 0.0 | 353.8 |



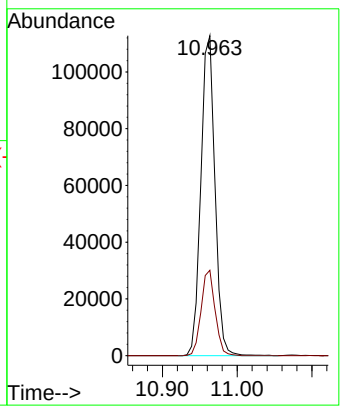


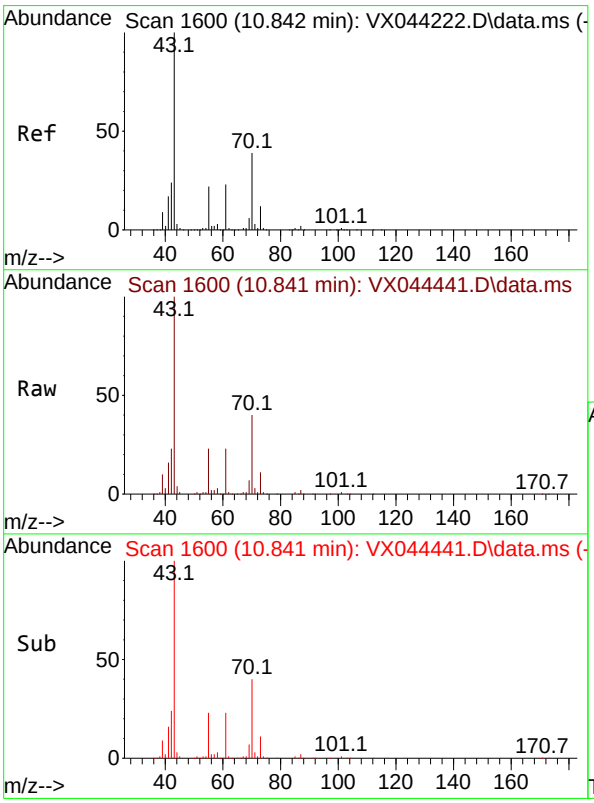

#73
Isopropylbenzene
Concen: 19.872 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:105 Resp: 147393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.1 | 39.3 |

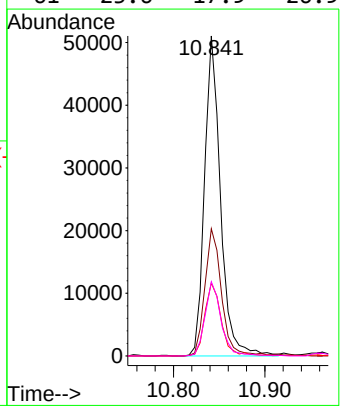


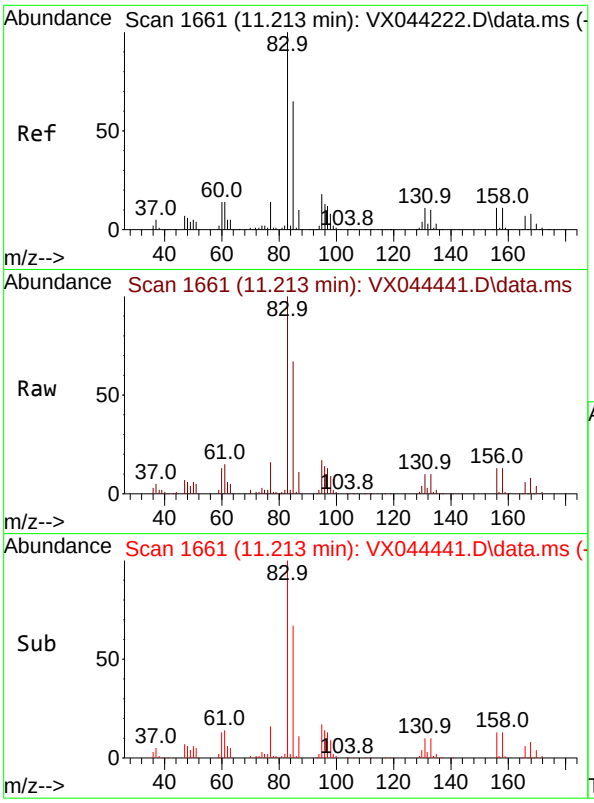




#74
N-amyl acetate
Concen: 18.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 43 Resp: 61829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.5 | 31.9 | 47.9 |
| 55 | 23.7 | 17.9 | 26.9 |
| 61 | 23.6 | 17.9 | 26.9 |



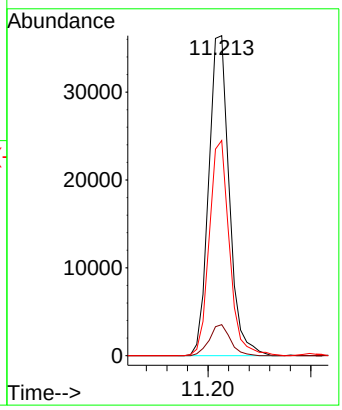


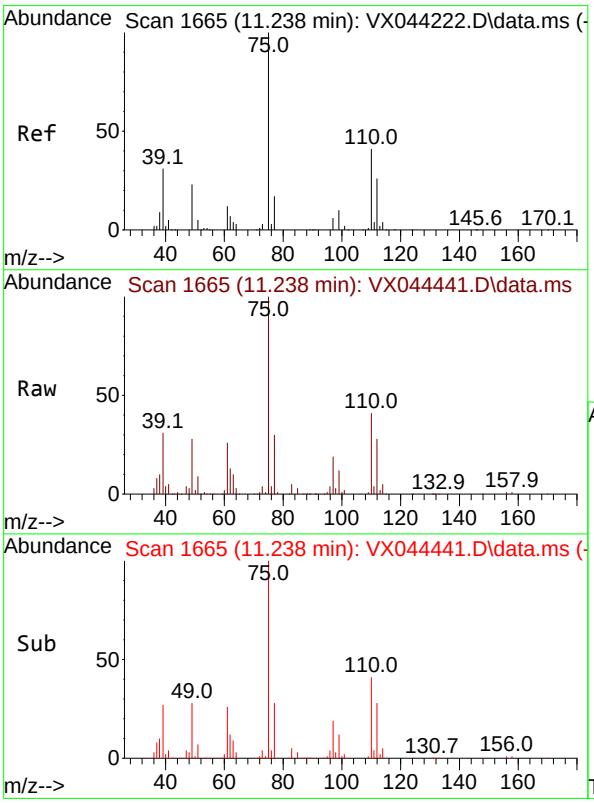

#75
1,1,2,2-Tetrachloroethane
Concen: 19.570 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 83 Resp: 50416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 65.9 | 32.5 | 97.4 |

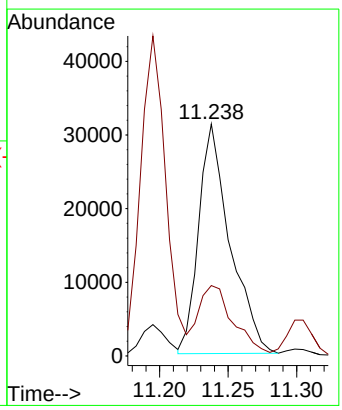


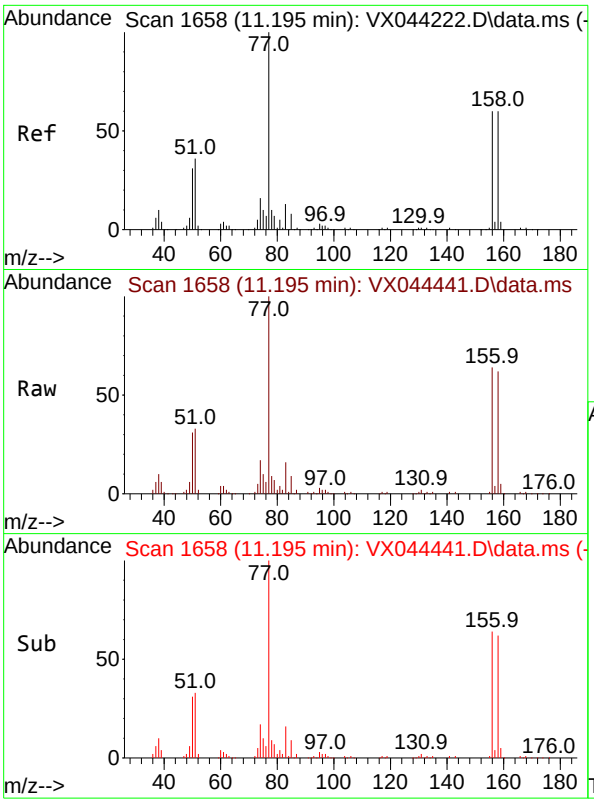




#76
1,2,3-Trichloropropane
Concen: 23.007 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 49769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.3 | 20.9 | 62.7 |



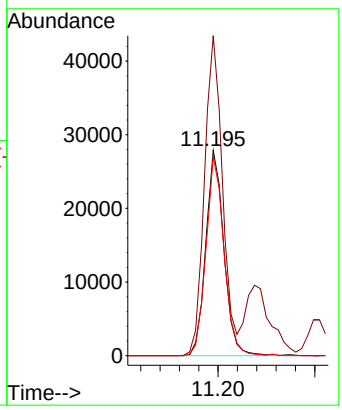


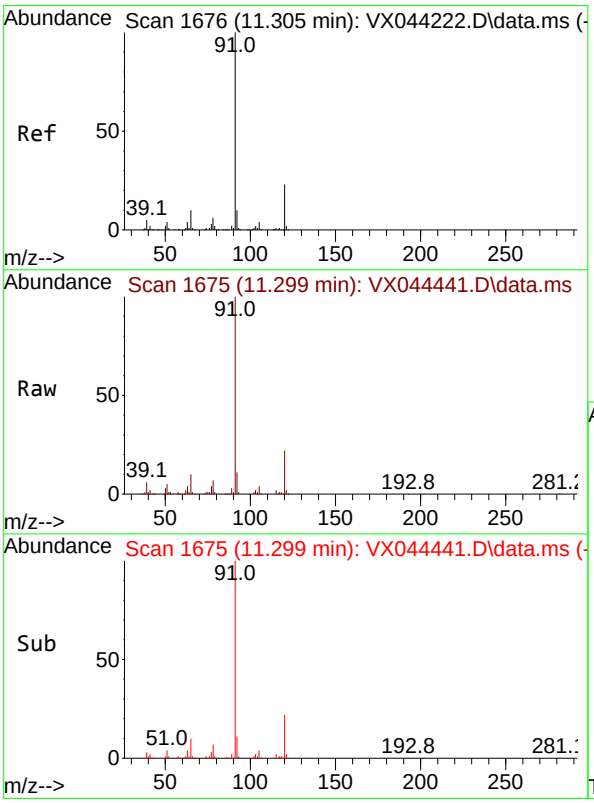

#77
Bromobenzene
Concen: 20.145 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:156 Resp: 36233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.2 | 82.6 | 247.8 |
| 158 | 96.9 | 48.8 | 146.4 |

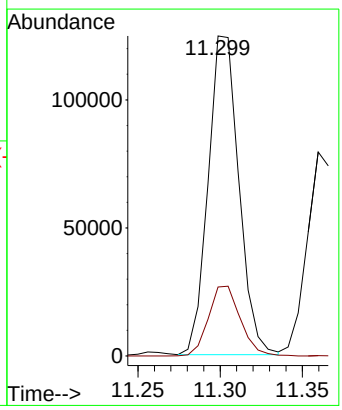


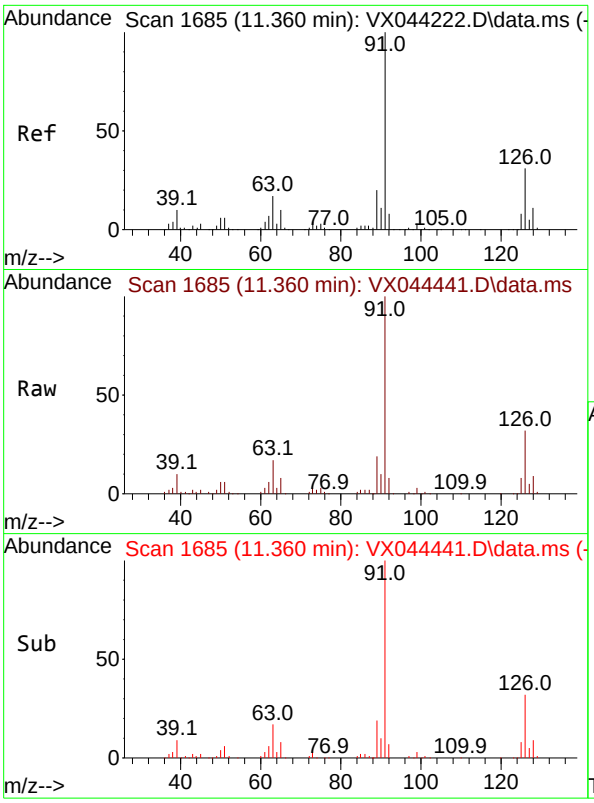




#78
n-propylbenzene
Concen: 19.765 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 91 Resp: 162028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.8 | 11.0 | 33.0 |



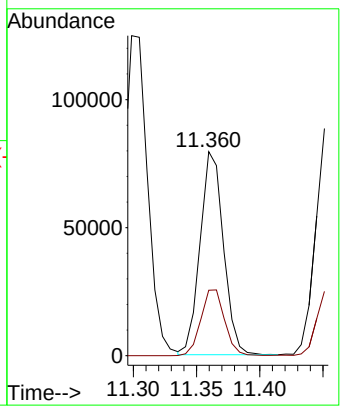


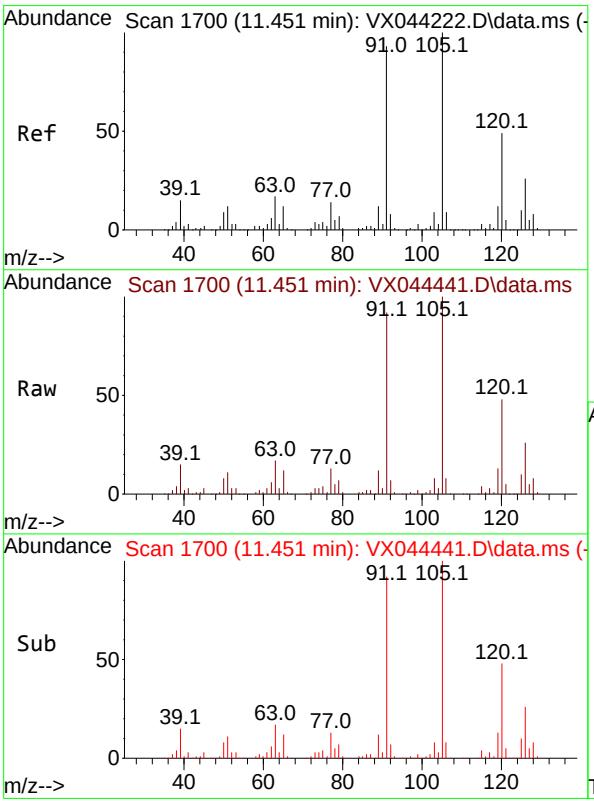

#79
2-Chlorotoluene
Concen: 19.279 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 91 Resp: 102209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.4 | 49.1 |

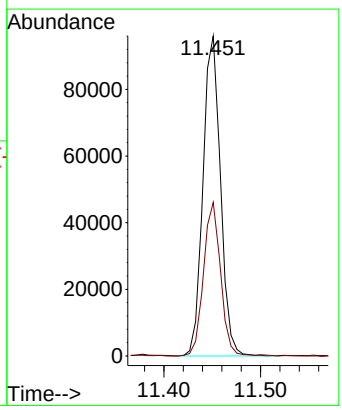


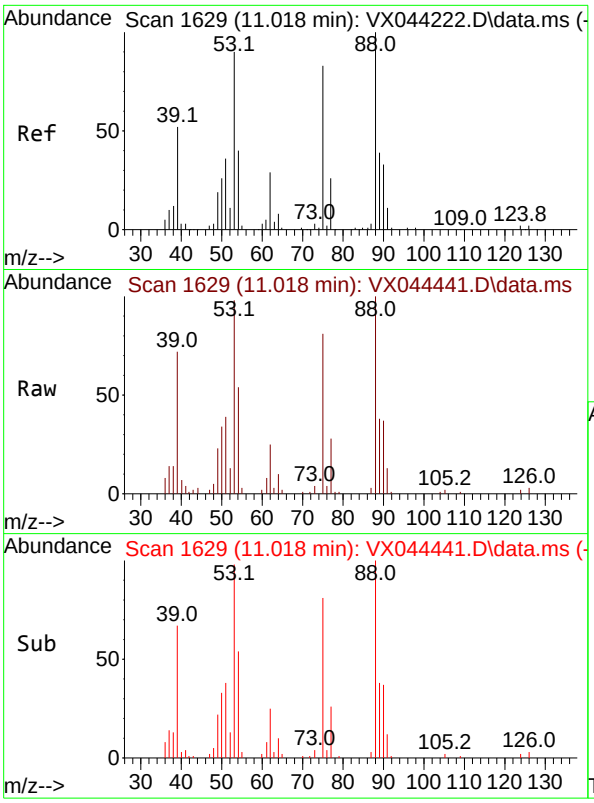




#80
1,3,5-Trimethylbenzene
Concen: 19.709 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:105 Resp: 121225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 23.8 | 71.4 |



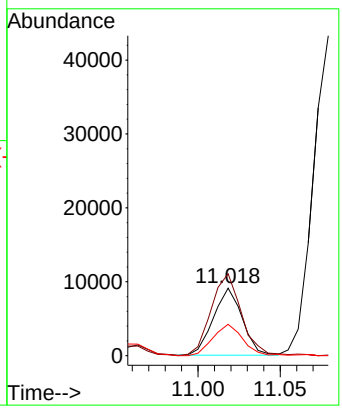


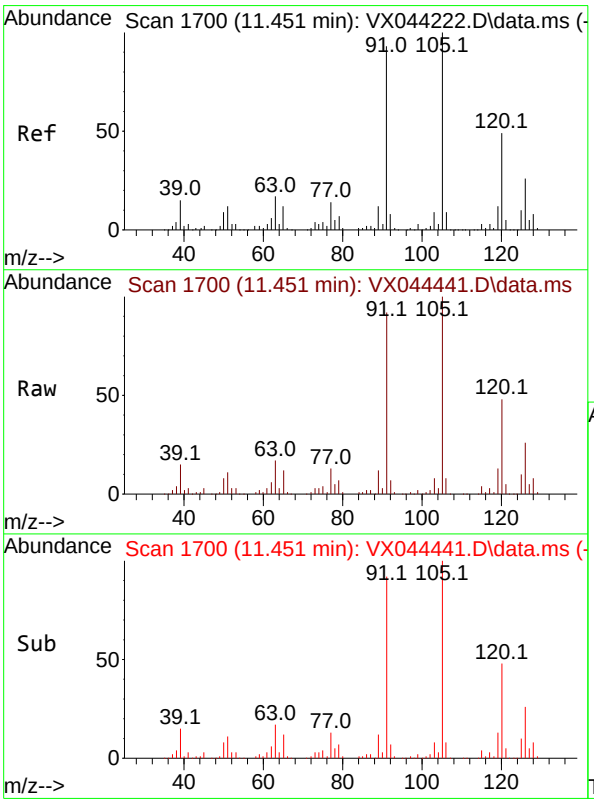

#81
trans-1,4-Dichloro-2-butene
Concen: 18.609 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 75 Resp: 11072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 129.5 | 93.6 | 140.4 |
| 89 | 48.5 | 37.3 | 55.9 |

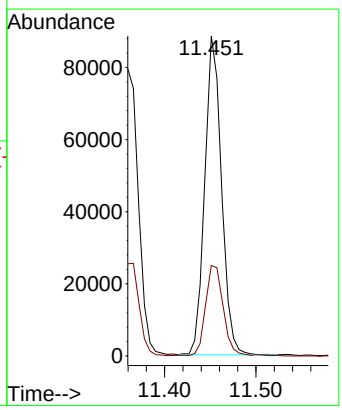


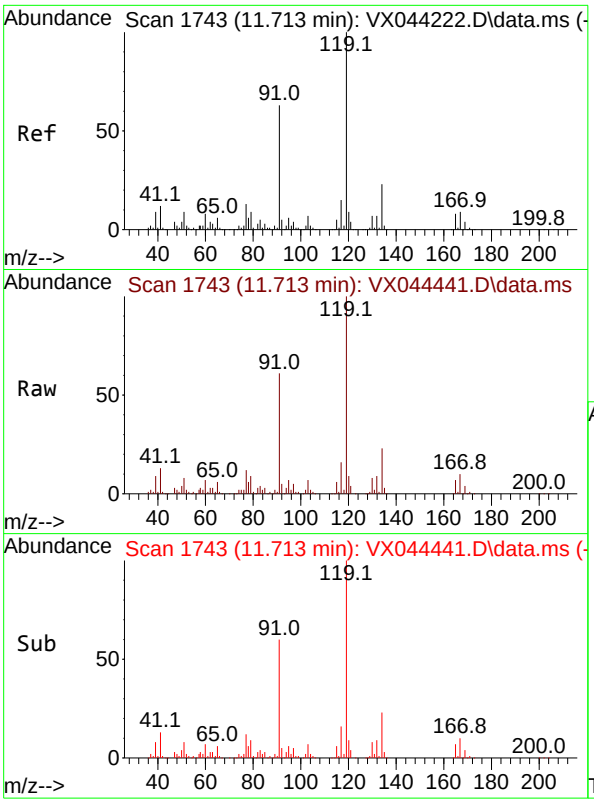




#82
4-Chlorotoluene
Concen: 19.122 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 91 Resp: 112263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.4 | 14.5 | 43.5 |



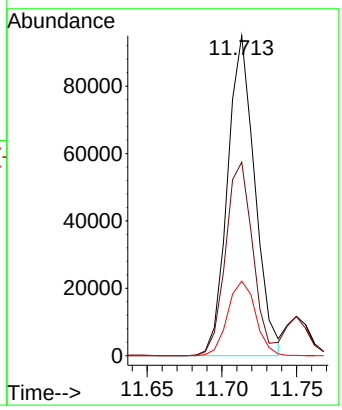


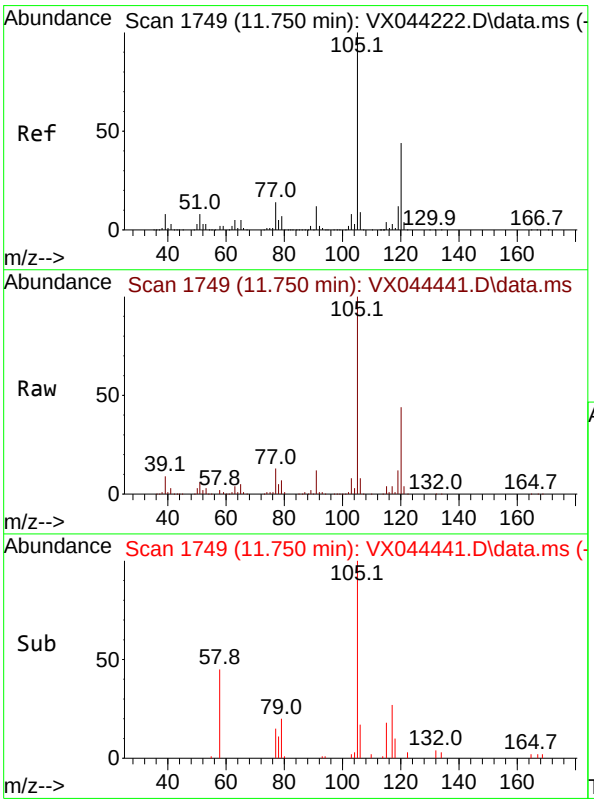

#83
tert-Butylbenzene
Concen: 19.827 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:119 Resp: 120518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.1 | 30.9 | 92.5 |
| 134 | 23.9 | 11.5 | 34.4 |

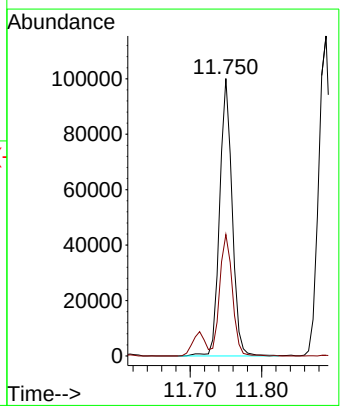


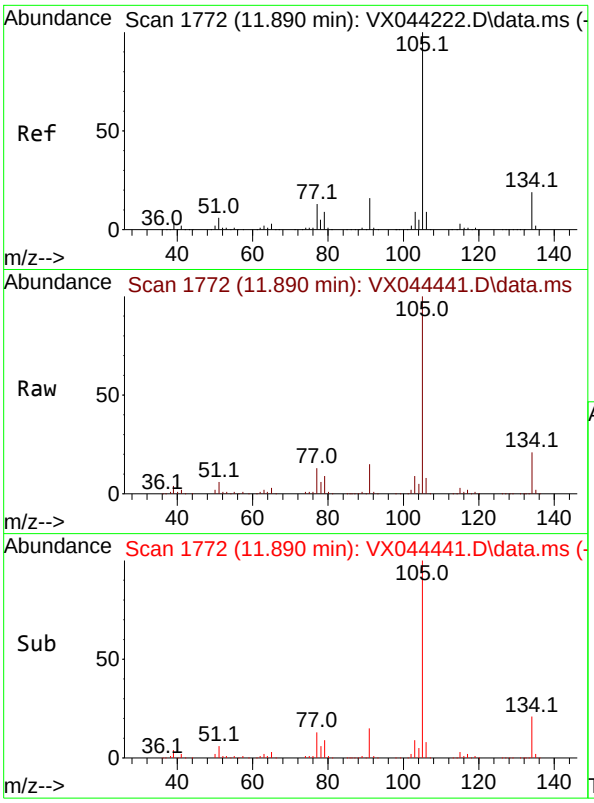




#84
1,2,4-Trimethylbenzene
Concen: 20.085 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:105 Resp: 121322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 21.7 | 65.1 |



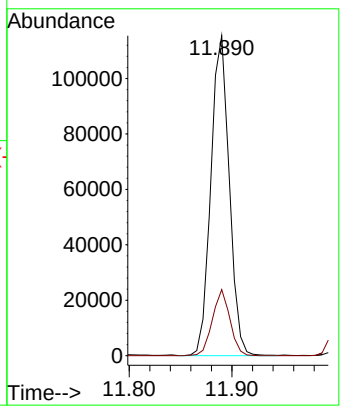


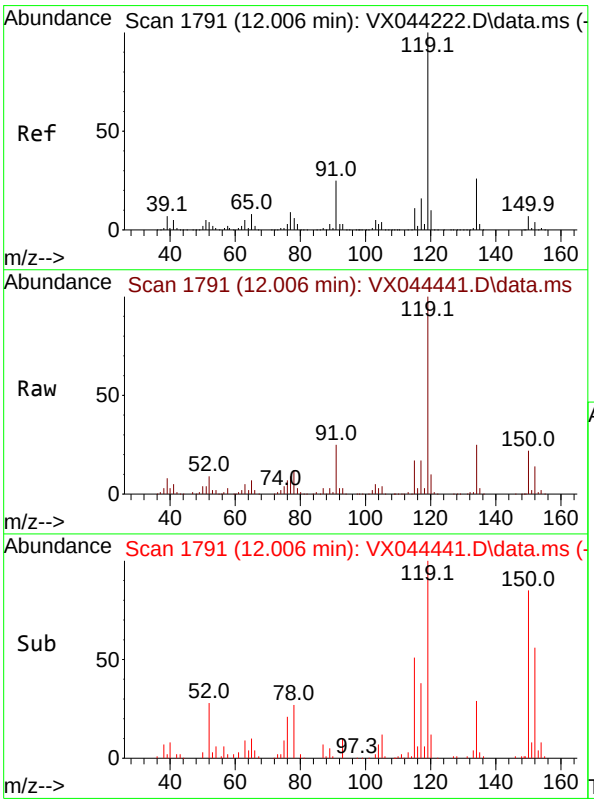

#85
sec-Butylbenzene
Concen: 19.477 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:105 Resp: 143732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |

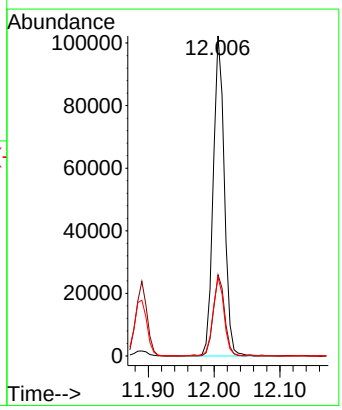


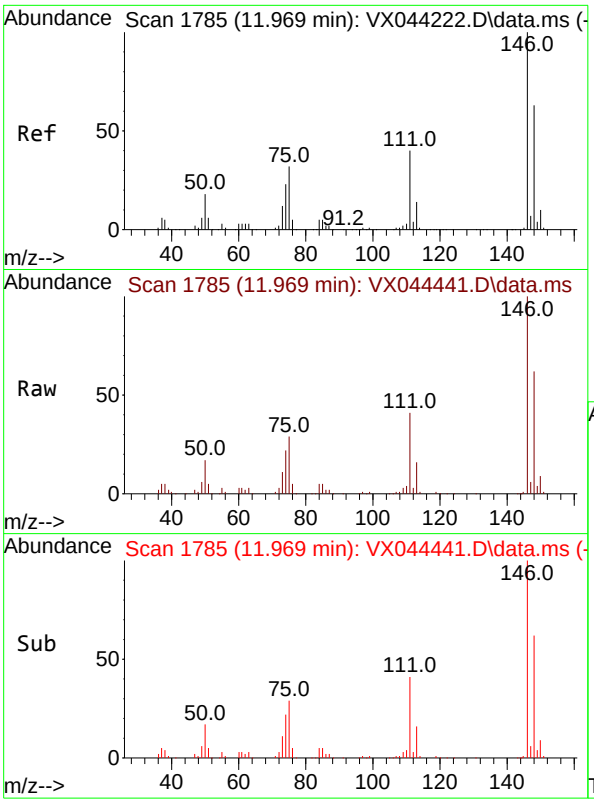




#86
p-Isopropyltoluene
Concen: 19.596 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:119 Resp: 120356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.5 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |



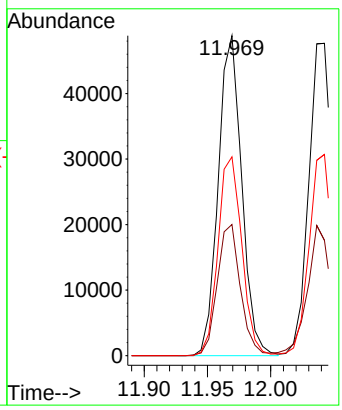


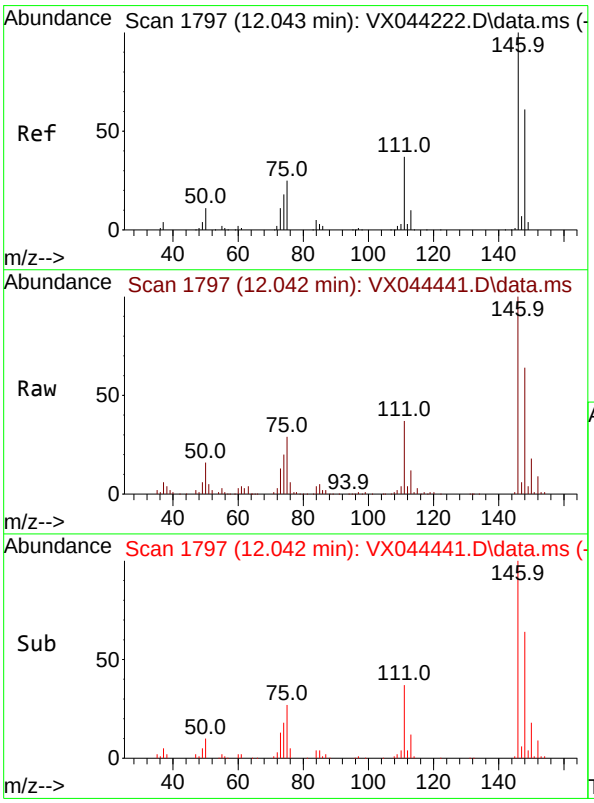

#87
1,3-Dichlorobenzene
Concen: 20.058 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:146 Resp: 63016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 21.4 | 64.2 |
| 148 | 63.0 | 31.7 | 95.1 |

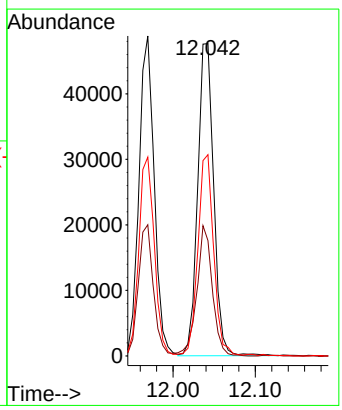


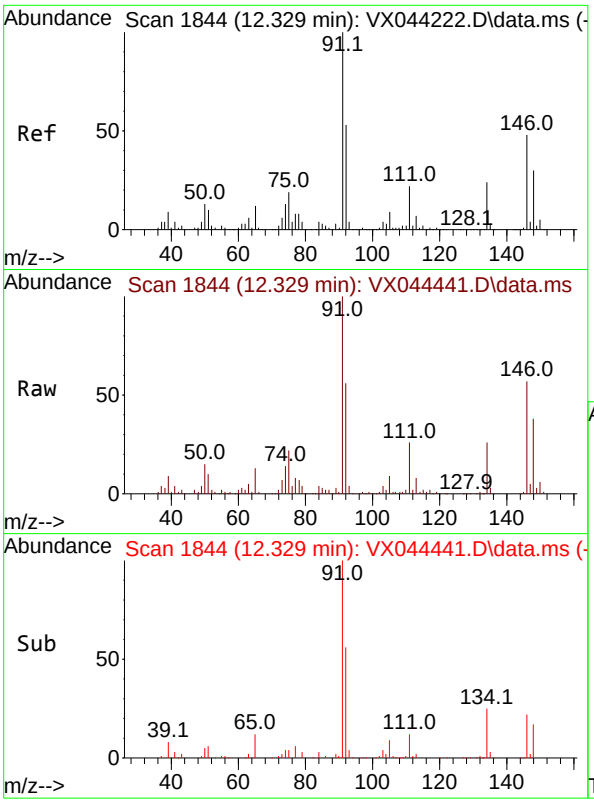




#88
1,4-Dichlorobenzene
Concen: 19.954 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:146 Resp: 64444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 21.0 | 63.0 |
| 148 | 63.0 | 32.3 | 96.8 |



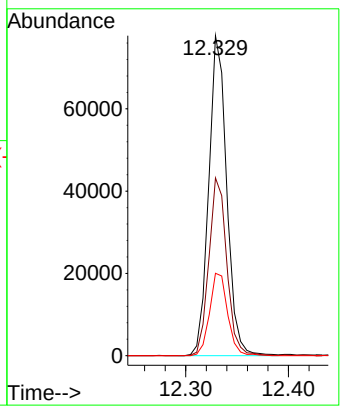


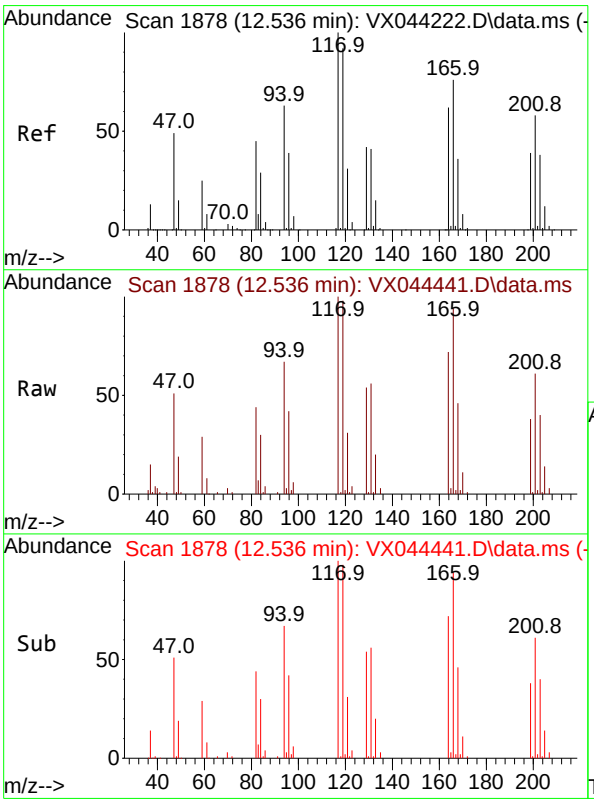

#89
n-Butylbenzene
Concen: 18.279 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion: 91 Resp: 94402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.5 | 26.6 | 79.7 |
| 134 | 25.9 | 12.6 | 37.8 |

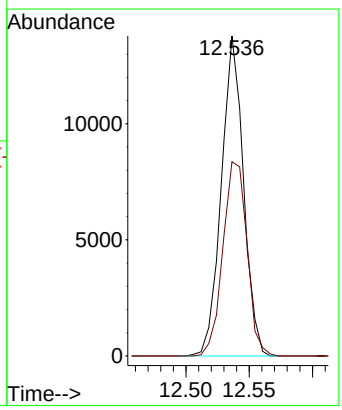


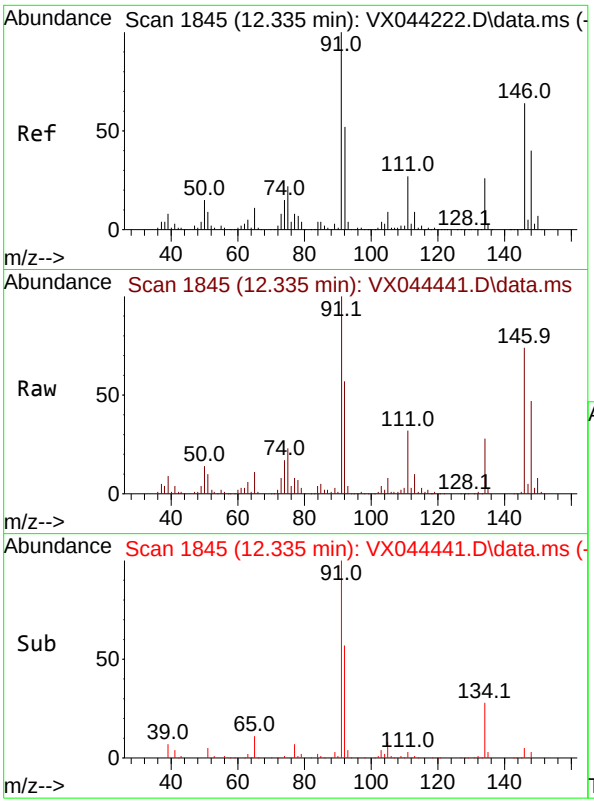




#90
Hexachloroethane
Concen: 18.640 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:117 Resp: 16712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.5 | 31.4 | 94.2 |



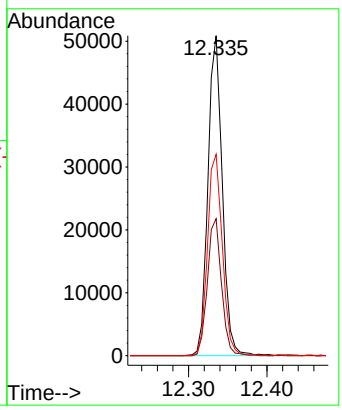


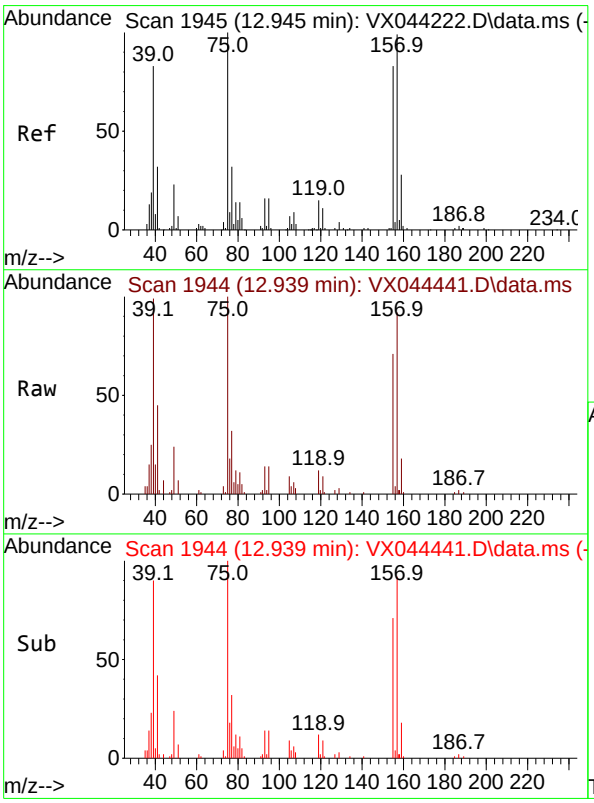

#91
1,2-Dichlorobenzene
Concen: 19.798 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:146 Resp: 64584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.4 | 64.3 |
| 148 | 64.8 | 31.6 | 95.0 |

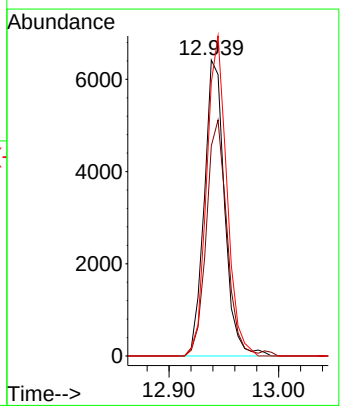


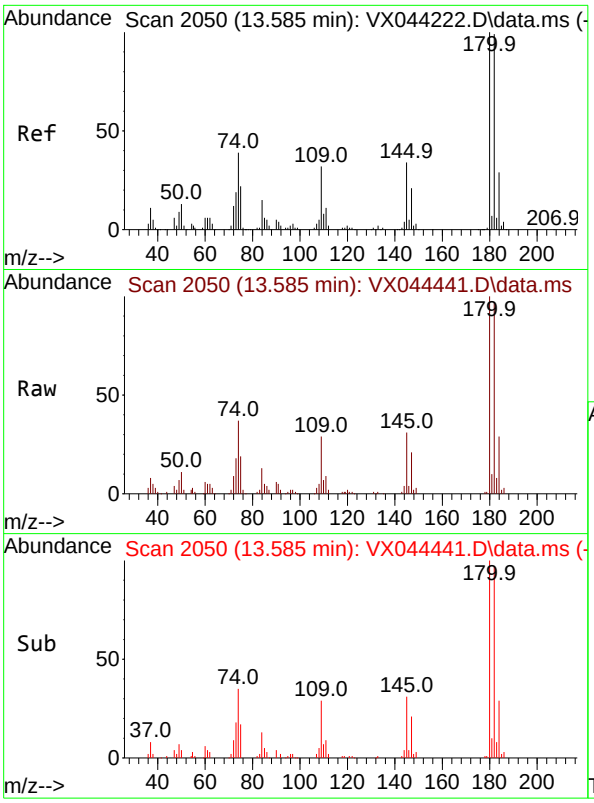




#92
1,2-Dibromo-3-Chloropropane
Concen: 16.523 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion: 75 Resp: 8263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.6 | 38.1 | 114.3 |
| 157 | 107.5 | 47.2 | 141.6 |



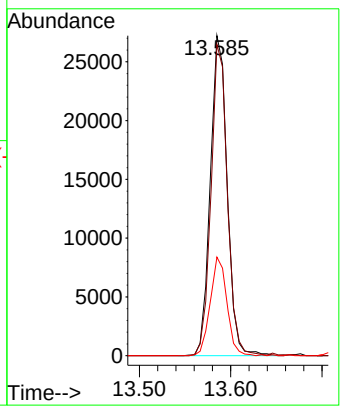


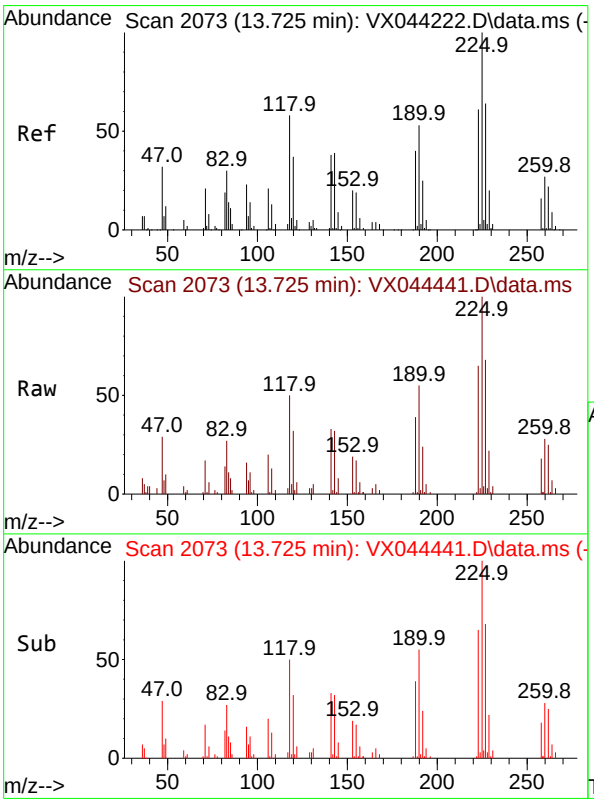

#93
1,2,4-Trichlorobenzene
Concen: 19.470 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:180 Resp: 34820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 48.0 | 144.2 |
| 145 | 30.4 | 16.6 | 49.7 |

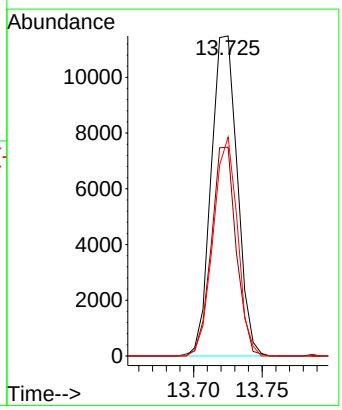


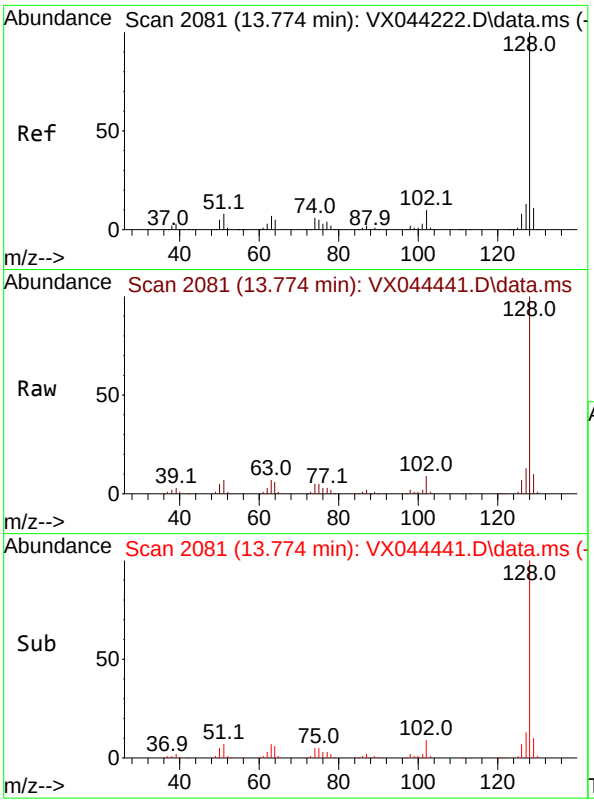




#94
Hexachlorobutadiene
Concen: 21.174 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:225 Resp: 15232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 30.8 | 92.4 |
| 227 | 63.6 | 32.1 | 96.3 |



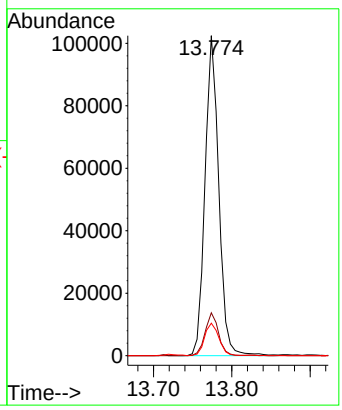


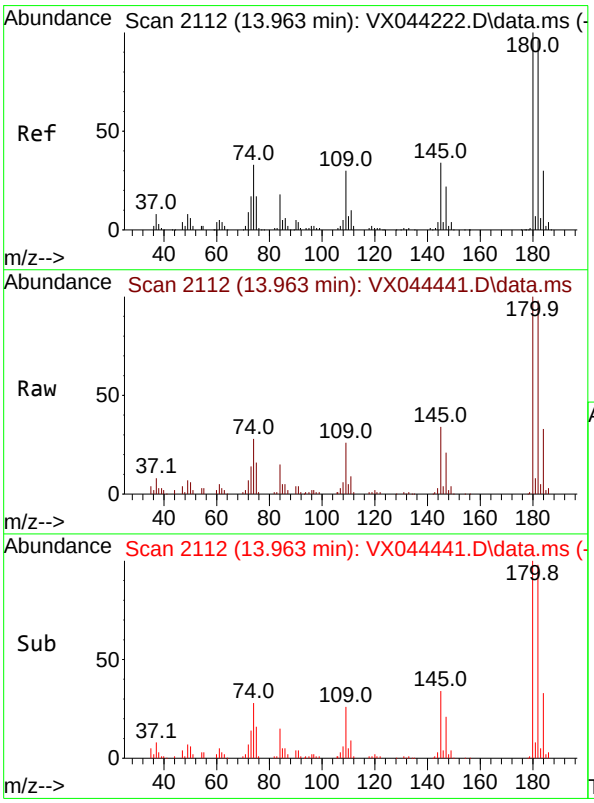

#95
Naphthalene
Concen: 17.830 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1220WBS01

Tgt Ion:128 Resp: 124472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.7 | 9.0 | 13.4 |

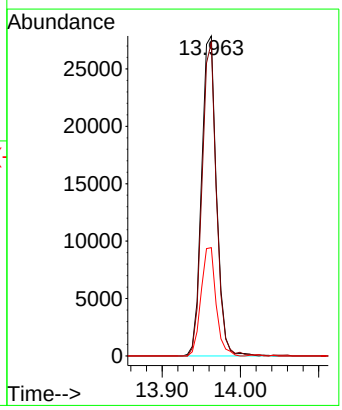



#96
1,2,3-Trichlorobenzene
Concen: 19.378 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044441.D
Acq: 20 Dec 2024 10:46

Tgt Ion:180 Resp: 36757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 48.0 | 144.0 |
| 145 | 34.2 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044452.D
Acq On : 20 Dec 2024 15:09
Operator : JC/MD
Sample : P5317-03RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Quant Time: Dec 20 22:26:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

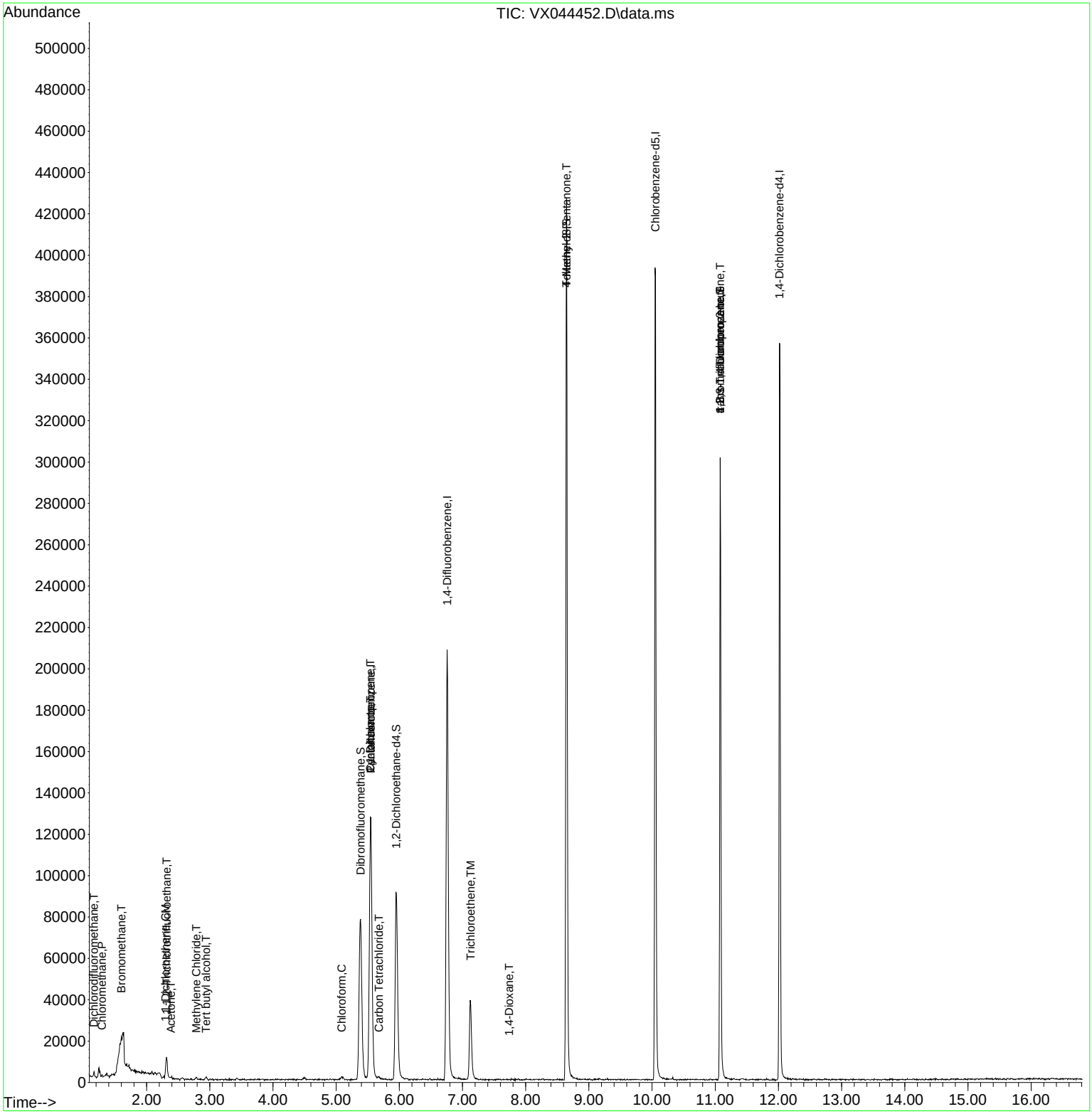
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 118996 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 210803 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 181303 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 72773 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 88475 | 42.406 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 84.820% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 68921 | 47.206 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.420% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 248897 | 50.531 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.060% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 79060 | 45.935 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 91.860% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 1489 | 0.809 | ug/l | 94 |
| 3) Chloromethane | 1.295 | 50 | 621 | 0.353 | ug/l # | 78 |
| 5) Bromomethane | 1.599 | 94 | 506 | 0.389 | ug/l # | 42 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 3044 | 2.096 | ug/l | 93 |
| 11) Tert butyl alcohol | 2.941 | 59 | 357 | 1.214 | ug/l # | 71 |
| 12) 1,1-Dichloroethene | 2.300 | 96 | 945 | 0.709 | ug/l # | 93 |
| 16) Acetone | 2.386 | 43 | 833 | 0.979 | ug/l | 92 |
| 20) Methylene Chloride | 2.788 | 84 | 575 | 0.360 | ug/l # | 64 |
| 30) Chloroform | 5.087 | 83 | 1103 | 0.352 | ug/l | 86 |
| 31) Cyclohexane | 5.544 | 56 | 3071 | 1.364 | ug/l # | 40 |
| 36) 1,1-Dichloropropene | 5.544 | 75 | 10064 | 5.333 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 5.678 | 117 | 710 | 0.349 | ug/l # | 88 |
| 44) Trichloroethene | 7.129 | 130 | 15656 | 10.957 | ug/l | 98 |
| 49) 1,4-Dioxane | 7.738 | 88 | 20 | 0.682 | ug/l # | 32 |
| 51) 4-Methyl-2-Pentanone | 8.647 | 43 | 1346 | 0.574 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 11.079 | 75 | 41249 | 25.386 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75 | 41249 | 70.207 | ug/l # | 4 |

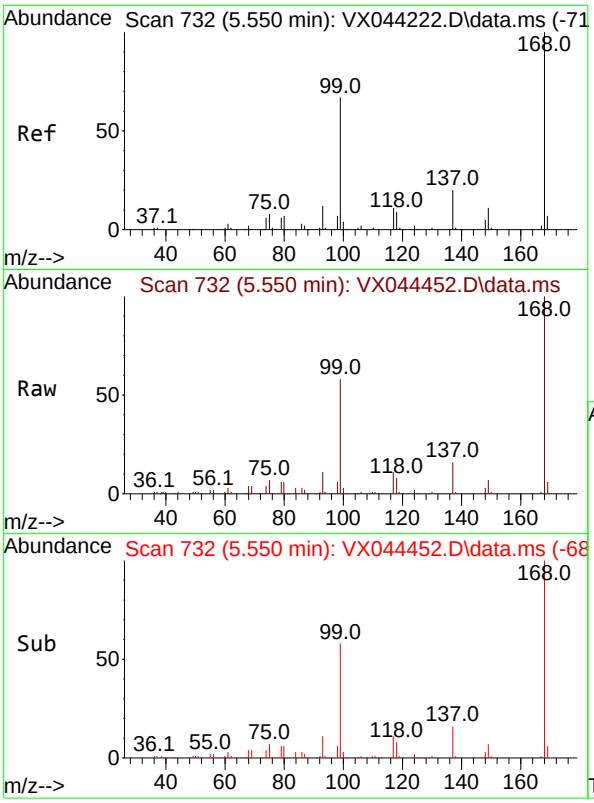
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044452.D
Acq On : 20 Dec 2024 15:09
Operator : JC/MD
Sample : P5317-03RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Quant Time: Dec 20 22:26:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



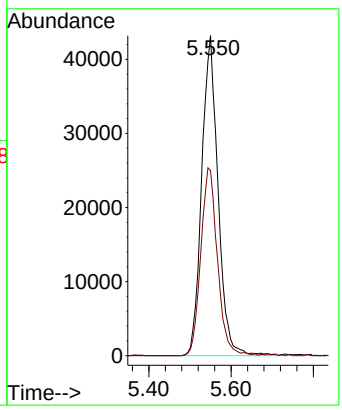


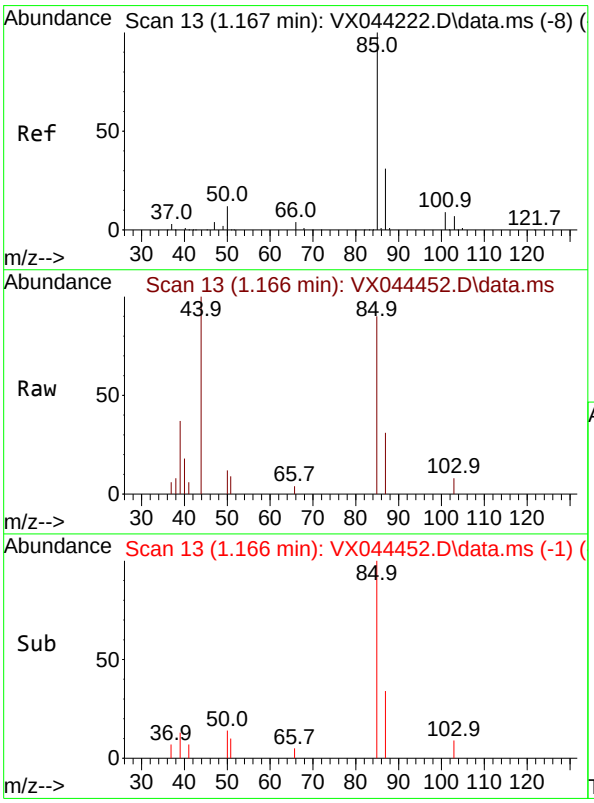

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion:168 Resp: 118996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.9 | 53.4 | 80.0 |

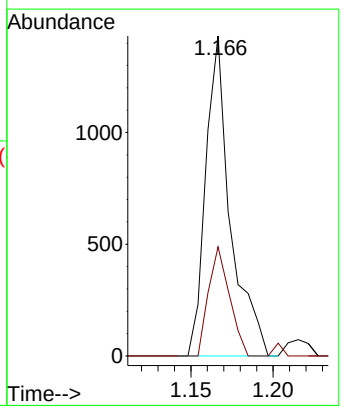


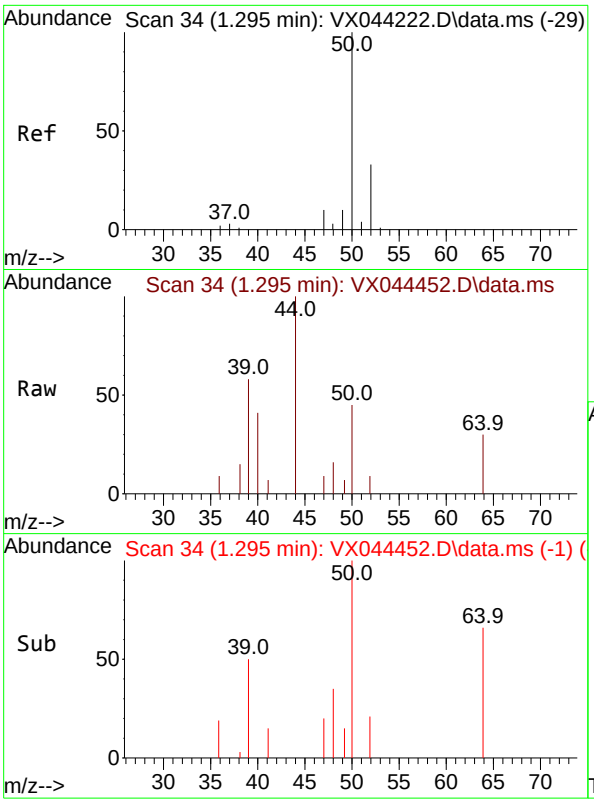




#2
Dichlorodifluoromethane
Concen: 0.809 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 85 Resp: 1489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.1 | 15.4 | 46.4 |



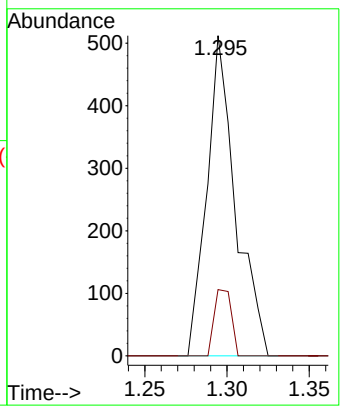


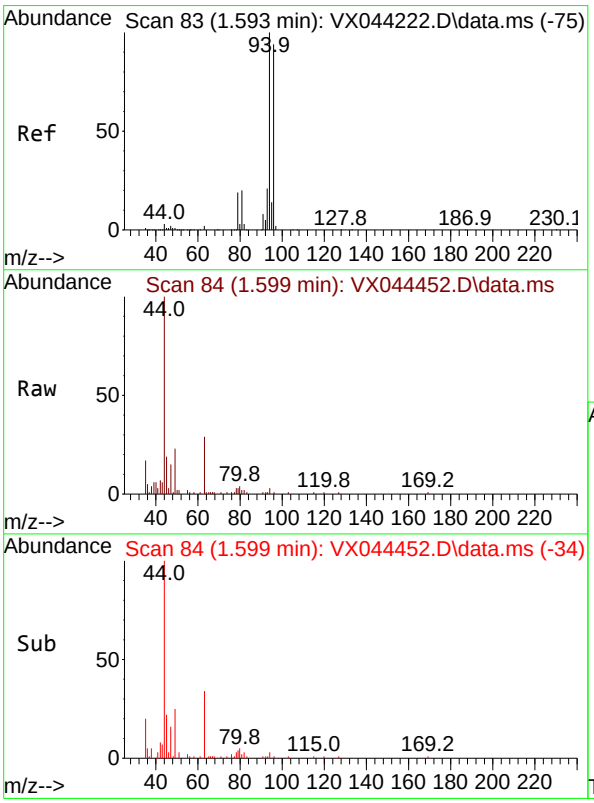

#3
Chloromethane
Concen: 0.353 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion: 50 Resp: 621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 20.7 | 26.5 | 39.7# |

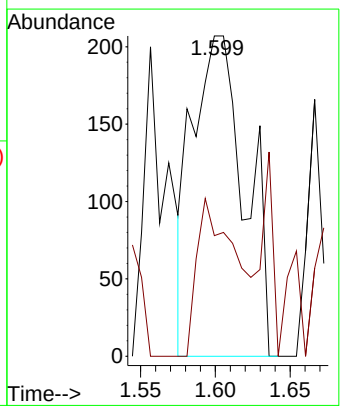


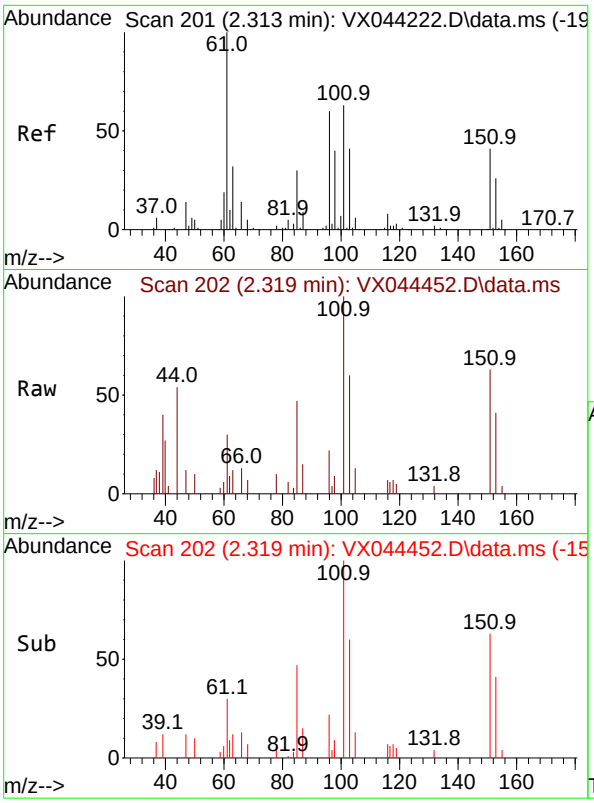




#5
Bromomethane
Concen: 0.389 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 94 Resp: 506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 37.7 | 74.9 | 112.3# |



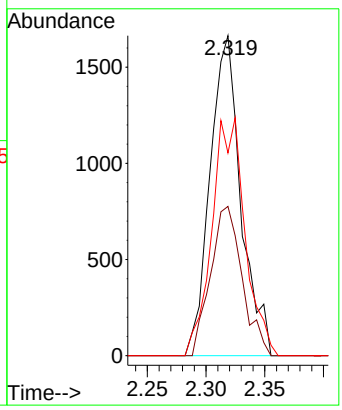


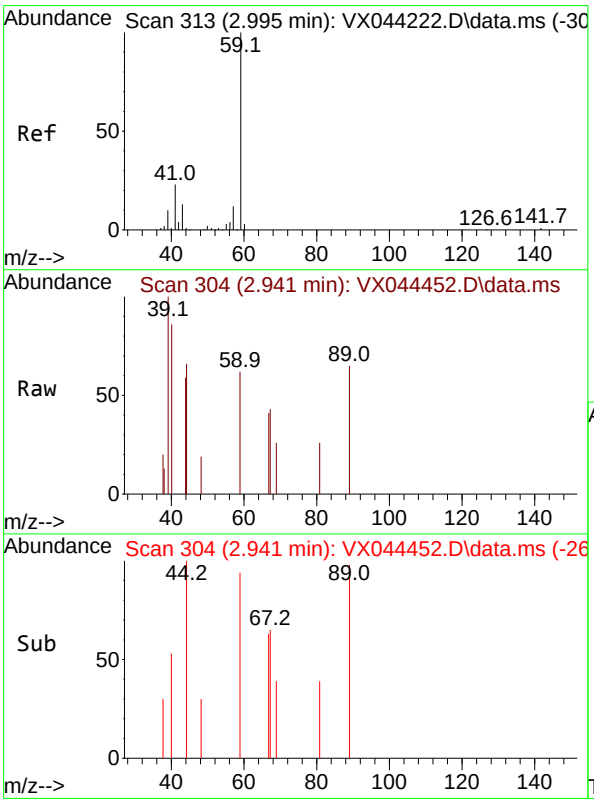

#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.096 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion:101 Resp: 3044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.7 | 38.5 | 57.7 |
| 151 | 79.6 | 55.8 | 83.6 |

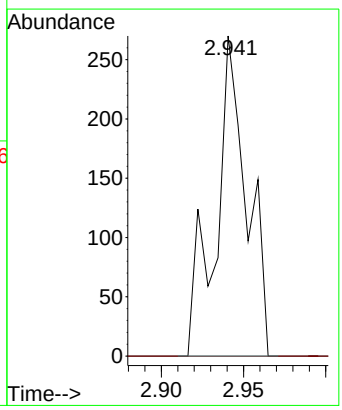


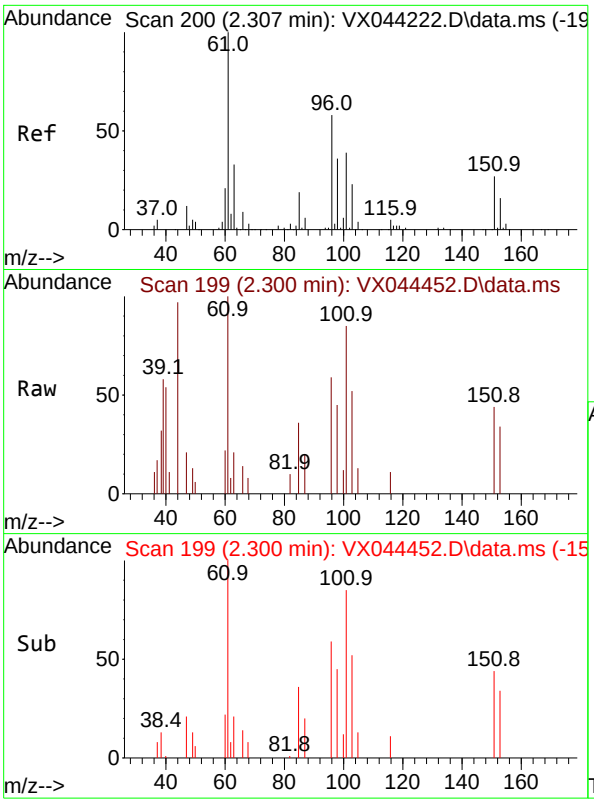




#11
Tert butyl alcohol
Concen: 1.214 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 59 Resp: 357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |



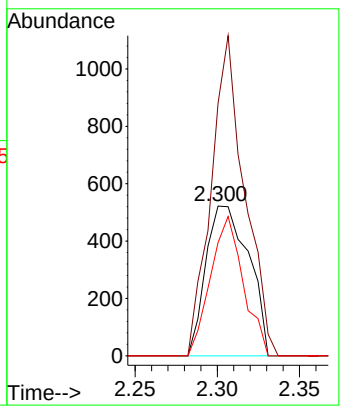


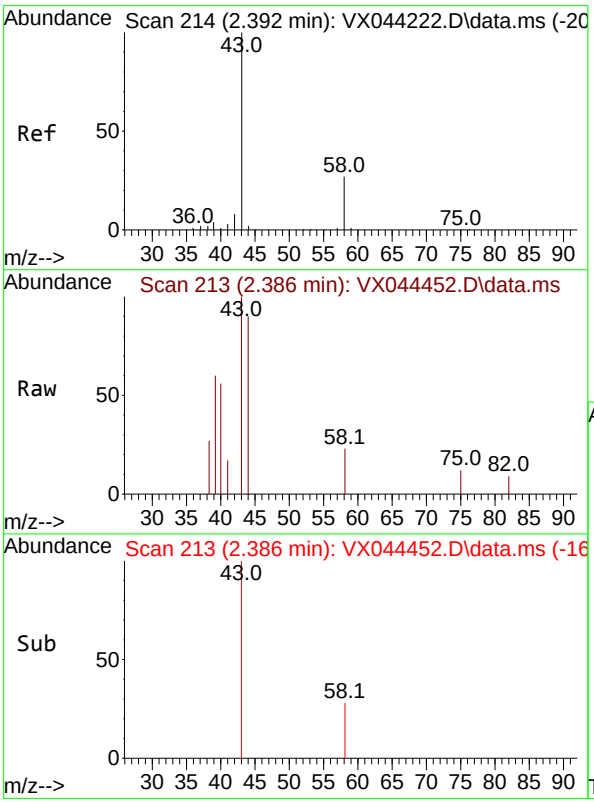

#12
1,1-Dichloroethene
Concen: 0.709 ug/l
RT: 2.300 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion: 96 Resp: 945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.6 | 138.0 | 207.0 |
| 98 | 75.7 | 50.0 | 75.0# |

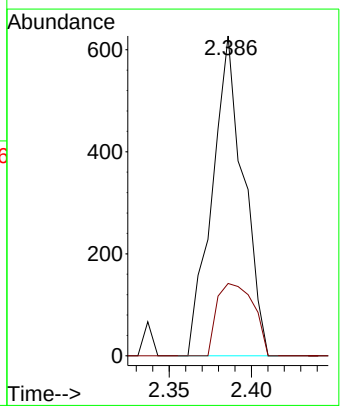


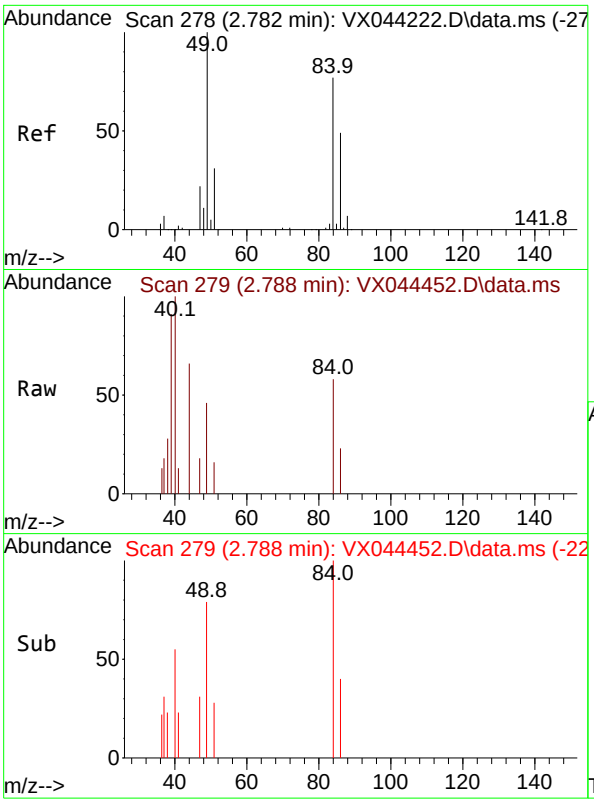




#16
Acetone
Concen: 0.979 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 43 Resp: 833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.6 | 21.6 | 32.4 |



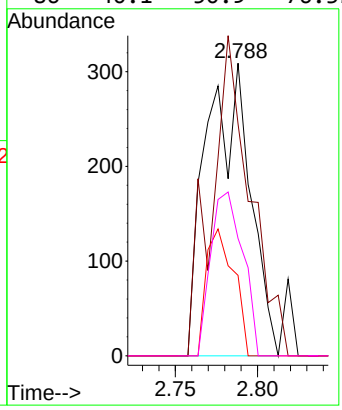


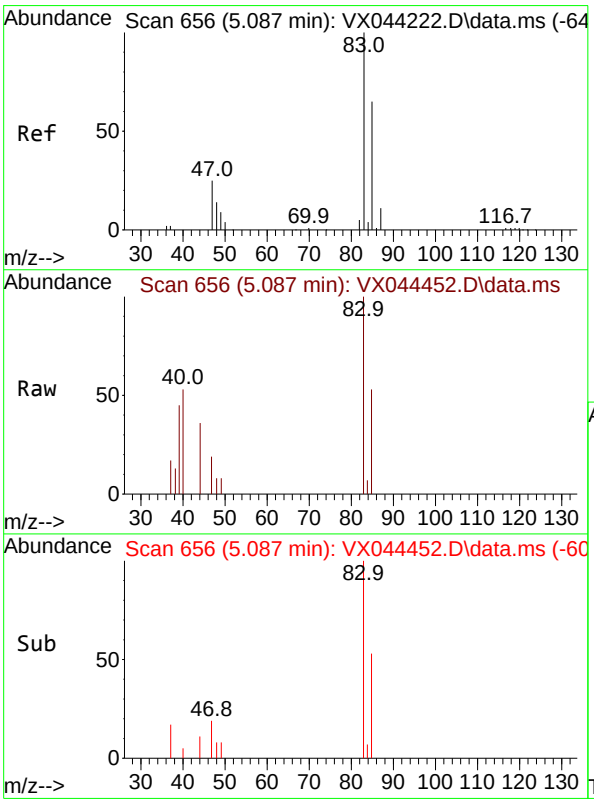

#20
Methylene Chloride
Concen: 0.360 ug/l
RT: 2.788 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion: 84 Resp: 575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 79.3 | 104.2 | 156.4# |
| 51 | 27.5 | 32.2 | 48.4# |
| 86 | 40.1 | 50.9 | 76.3# |

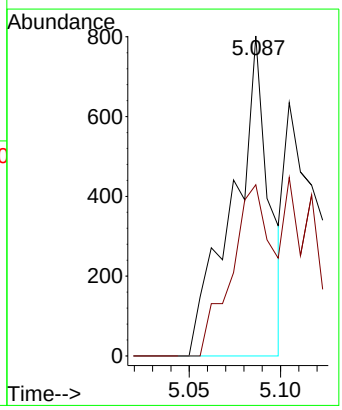


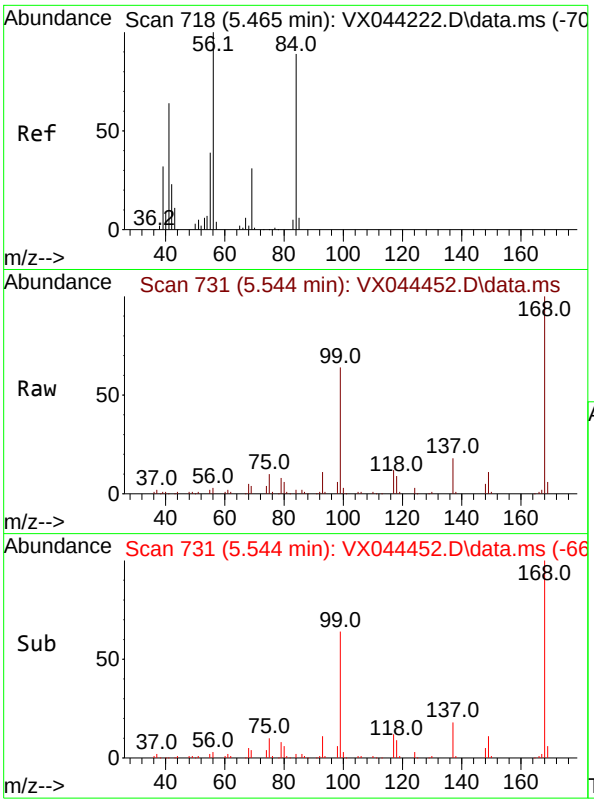




#30
Chloroform
Concen: 0.352 ug/l
RT: 5.087 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 83 Resp: 1103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 53.5 | 51.6 | 77.4 |



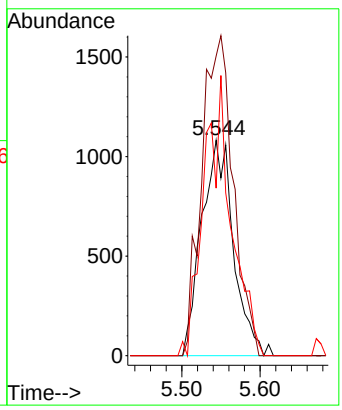


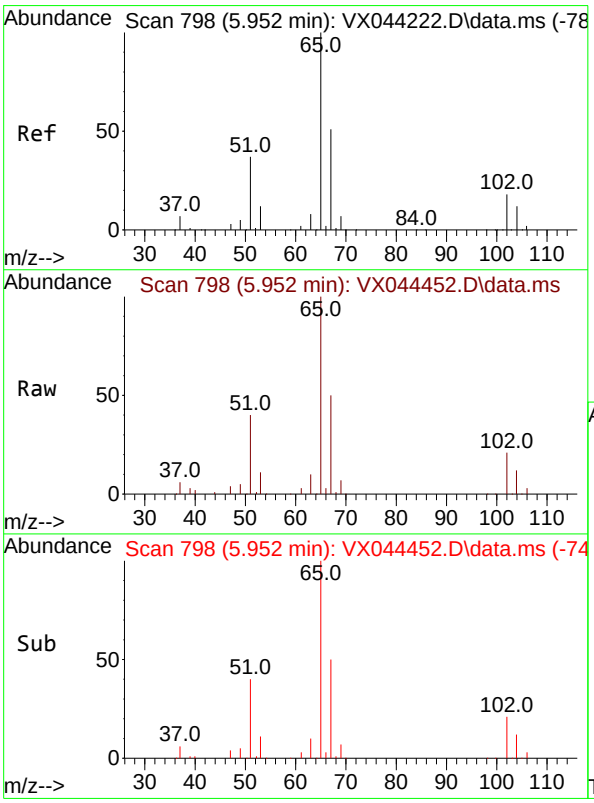

#31
Cyclohexane
Concen: 1.364 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.079 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion: 56 Resp: 3071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 139.0 | 24.7 | 37.1# |
| 84 | 77.7 | 71.0 | 106.6 |

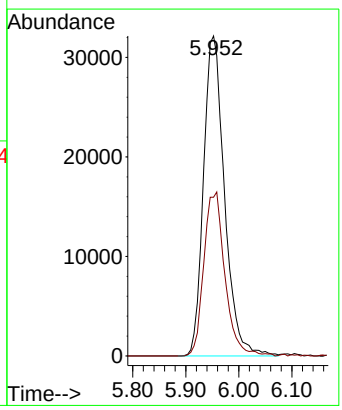


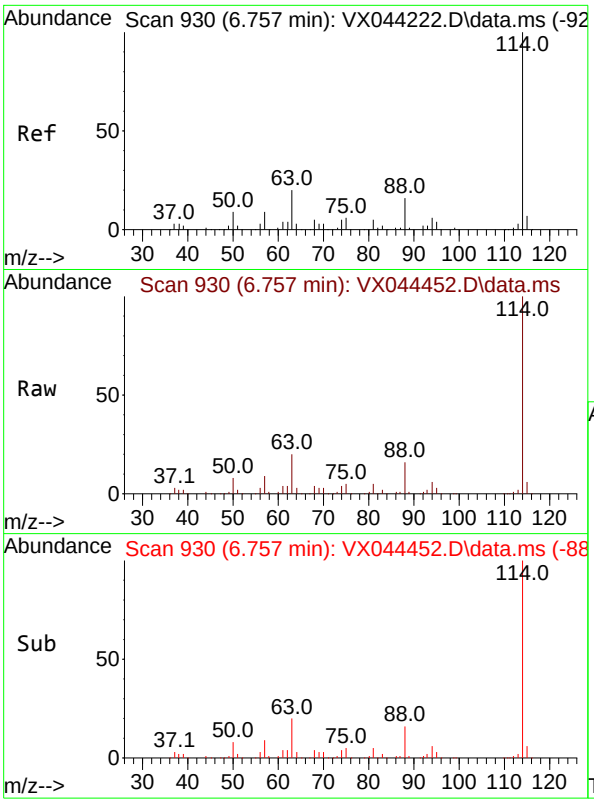




#33
1,2-Dichloroethane-d4
Concen: 42.406 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 65 Resp: 88475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.6 | 0.0 | 101.6 |



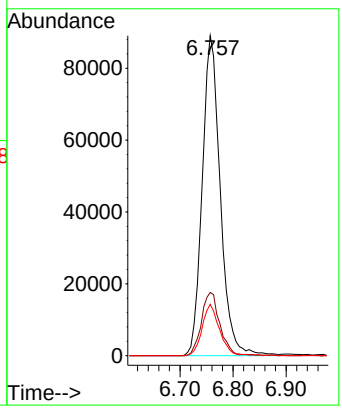


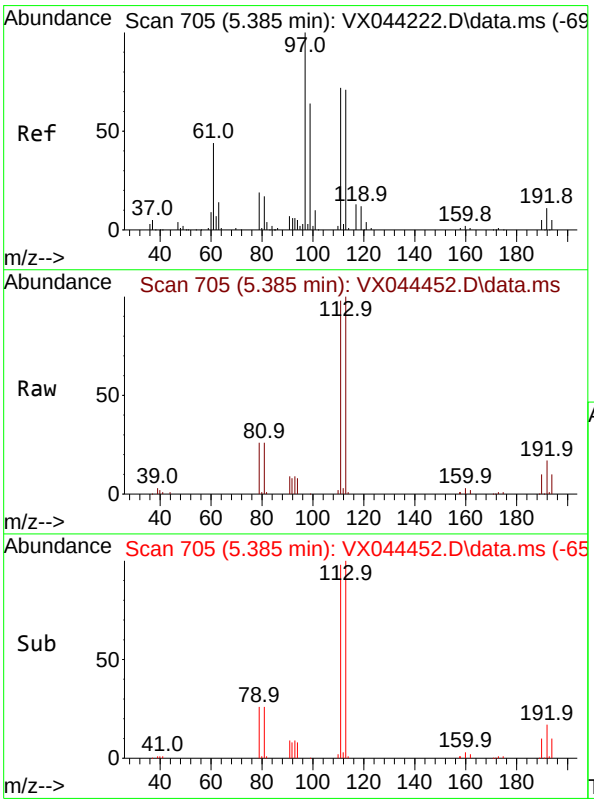

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion:114 Resp: 210803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 40.6 |
| 88 | 16.0 | 0.0 | 31.8 |

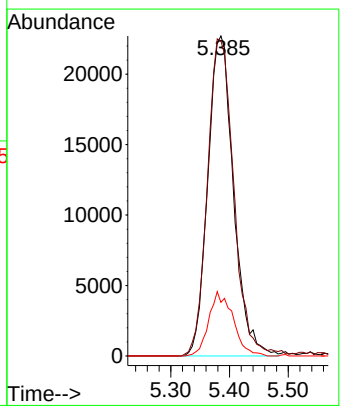


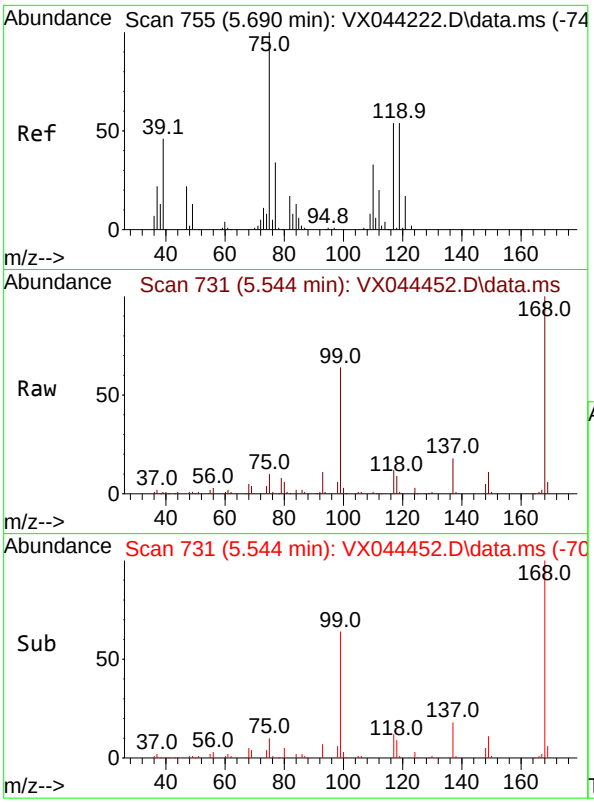




#35
Dibromofluoromethane
Concen: 47.206 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:113 Resp: 68921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.0 | 80.4 | 120.6 |
| 192 | 19.0 | 13.3 | 19.9 |



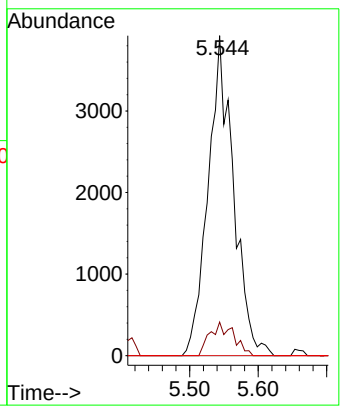


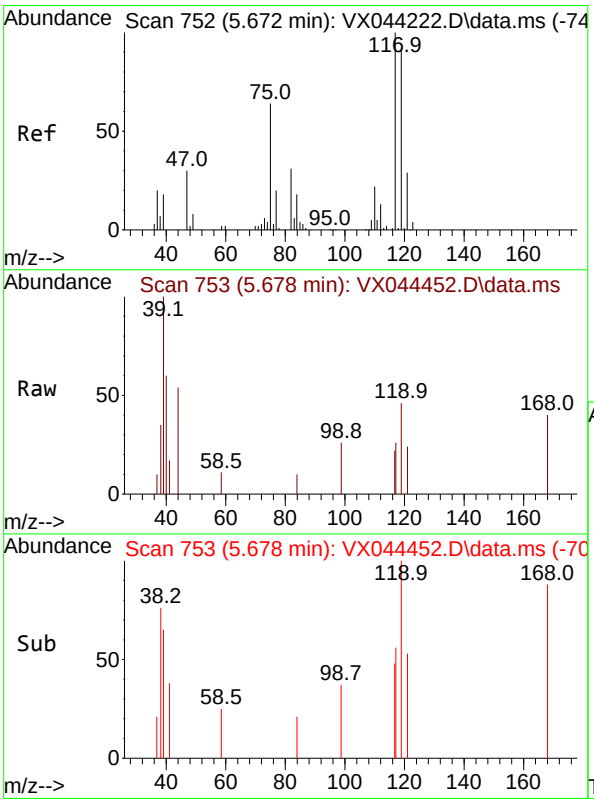

#36
1,1-Dichloropropene
Concen: 5.333 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.146 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion: 75 Resp: 10064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.8 | 17.3 | 51.7# |
| 77 | 0.0 | 25.4 | 38.0# |

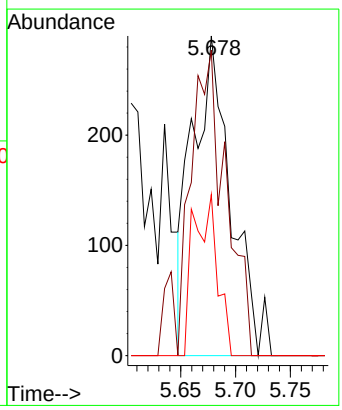


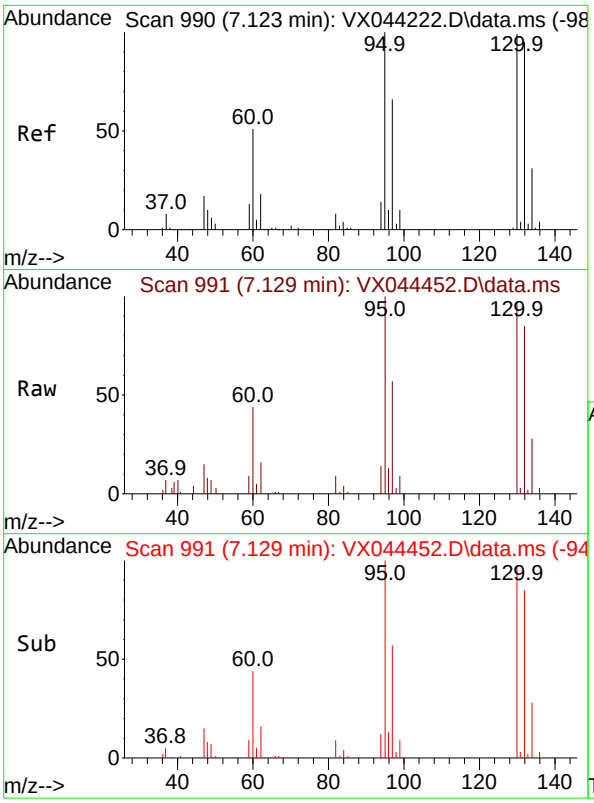




#38
Carbon Tetrachloride
Concen: 0.349 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:117 Resp: 710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 74.2 | 111.4 |
| 121 | 50.3 | 23.0 | 34.6# |



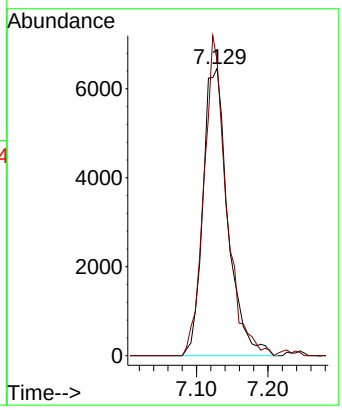


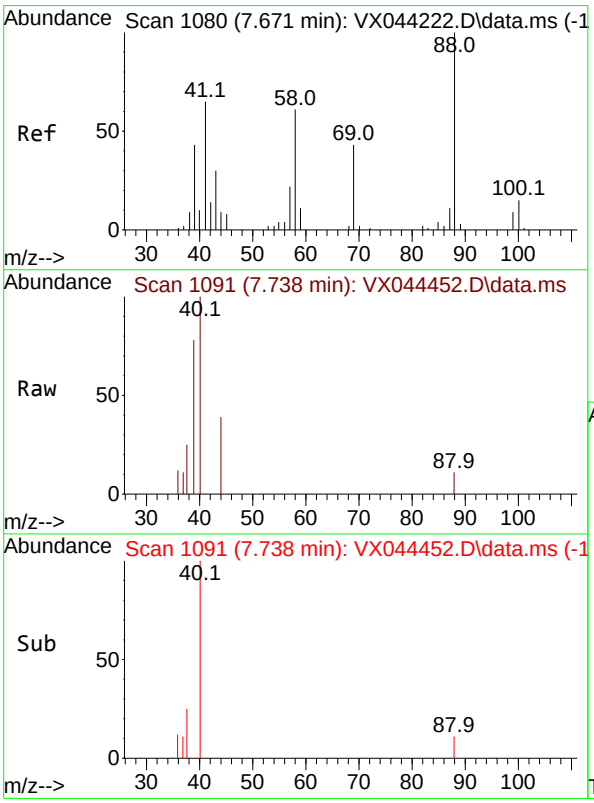

#44
Trichloroethene
Concen: 10.957 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion:130 Resp: 15656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.7 | 0.0 | 201.4 |

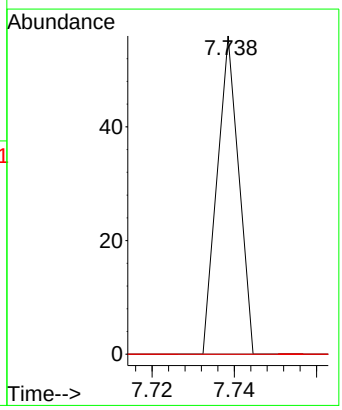


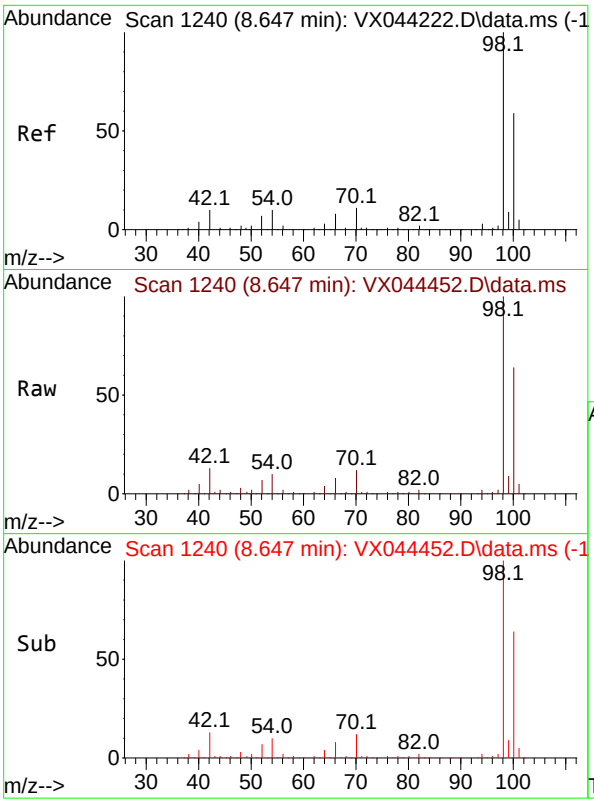




#49
1,4-Dioxane
Concen: 0.682 ug/l
RT: 7.738 min Scan# 1091
Delta R.T. 0.067 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 88 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 27.1 | 40.7# |
| 58 | 0.0 | 41.0 | 61.4# |



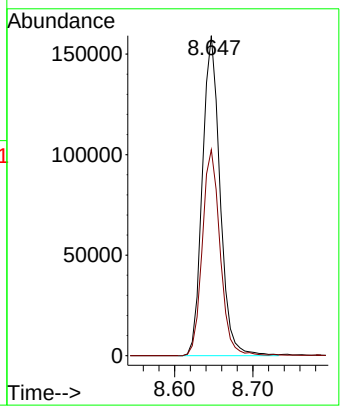


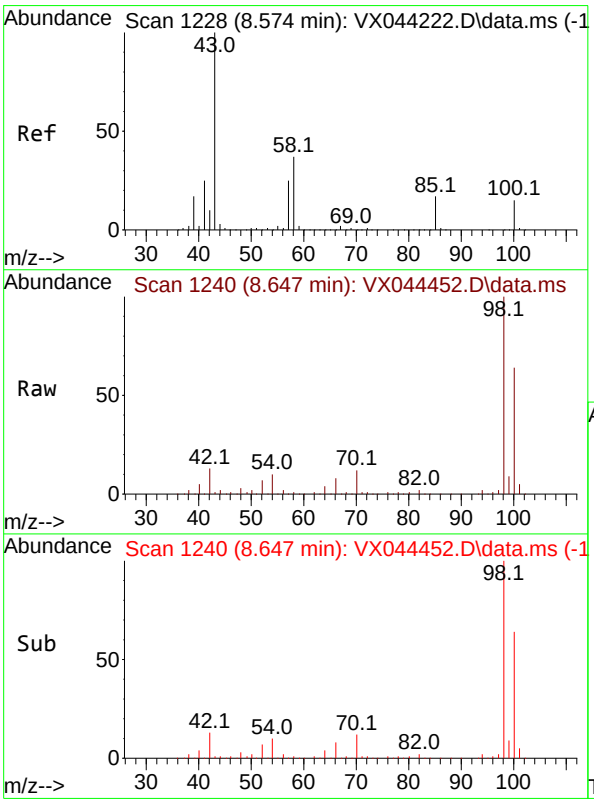

#50
Toluene-d8
Concen: 50.531 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion: 98 Resp: 248897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 51.5 | 77.3 |

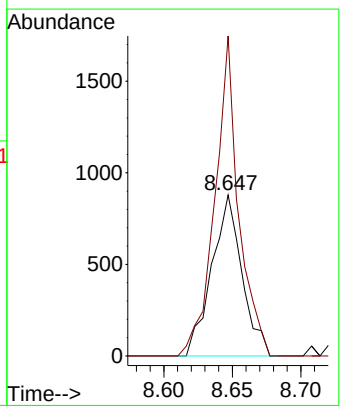


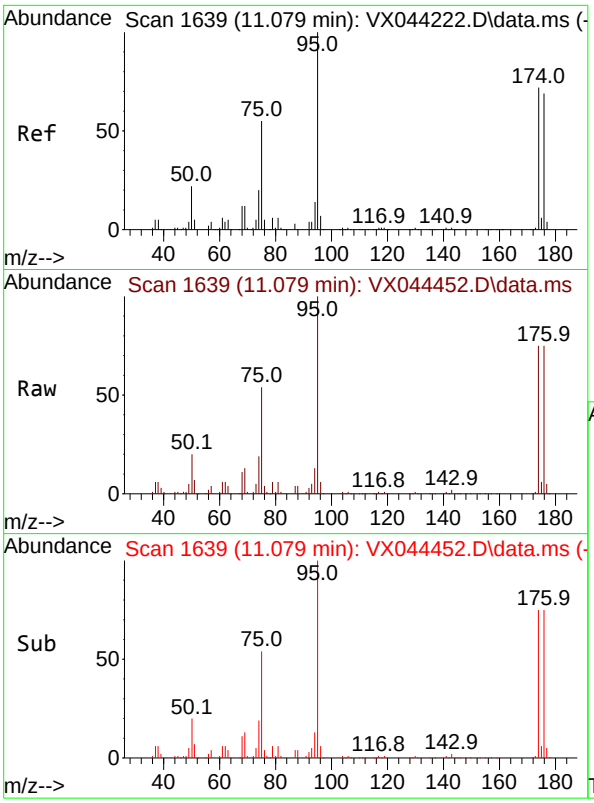




#51
4-Methyl-2-Pentanone
Concen: 0.574 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 43 Resp: 1346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 157.2 | 29.4 | 44.0# |



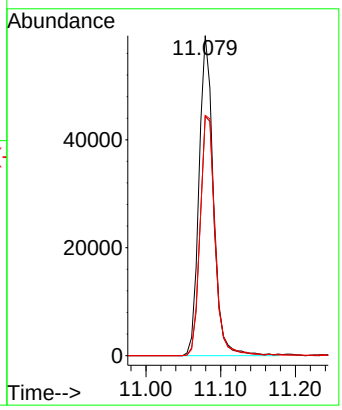


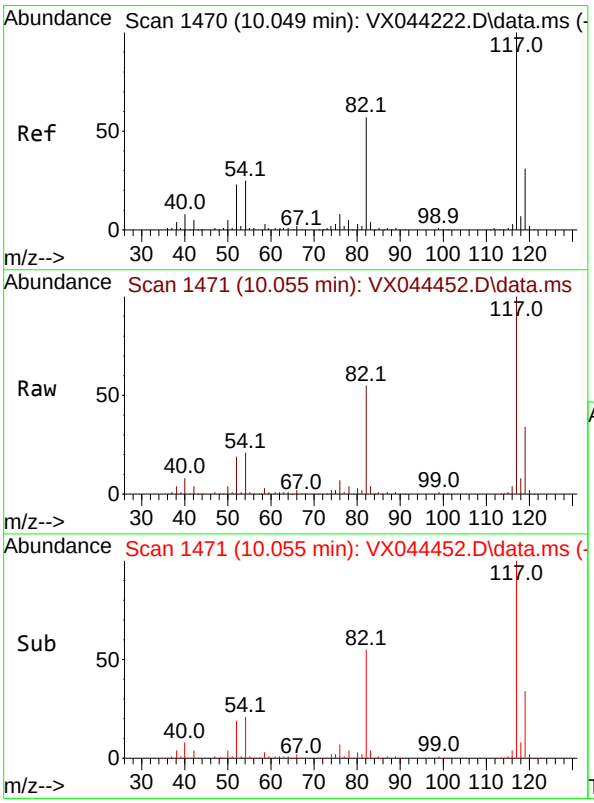

#62
4-Bromofluorobenzene
Concen: 45.935 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion: 95 Resp: 79060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.1 | 0.0 | 145.8 |
| 176 | 77.8 | 0.0 | 137.8 |

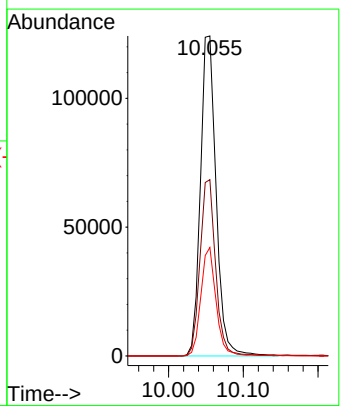


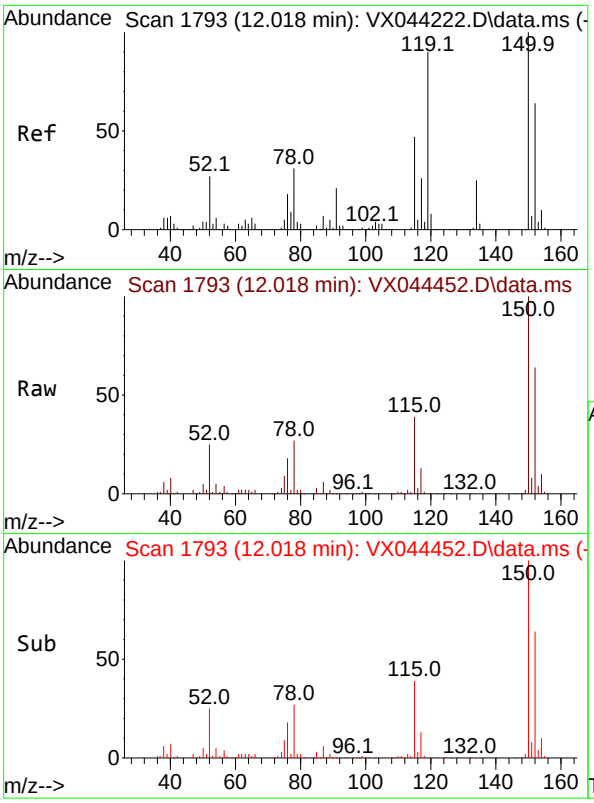




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion:117 Resp: 181303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 45.8 | 68.8 |
| 119 | 33.9 | 25.0 | 37.4 |



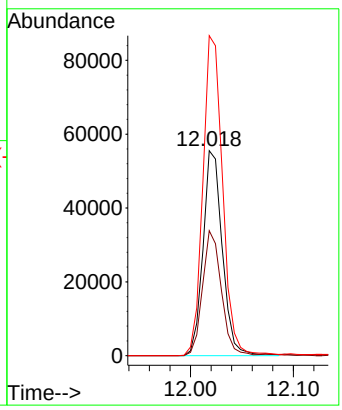


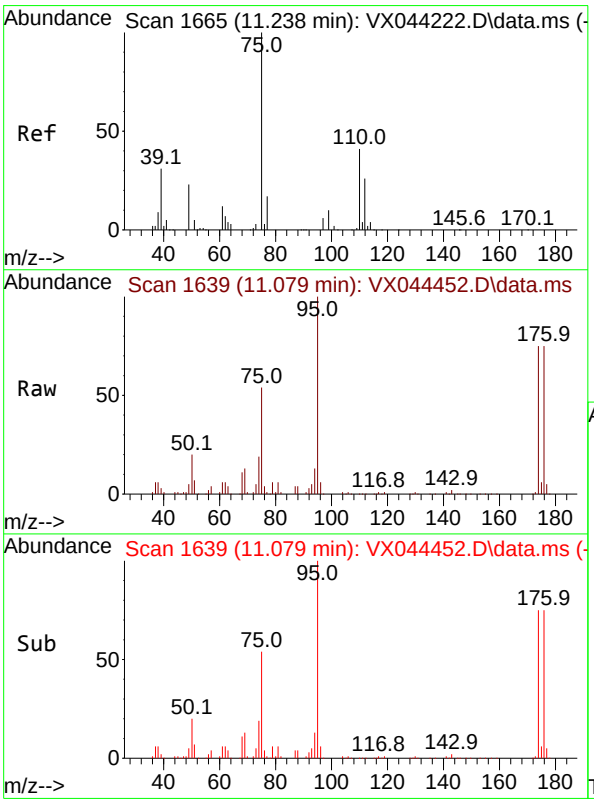

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion:152 Resp: 72773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.2 | 44.5 | 133.3 |
| 150 | 159.3 | 0.0 | 353.8 |

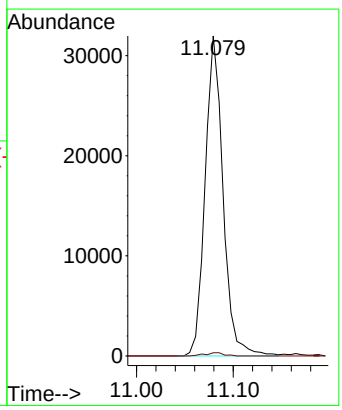


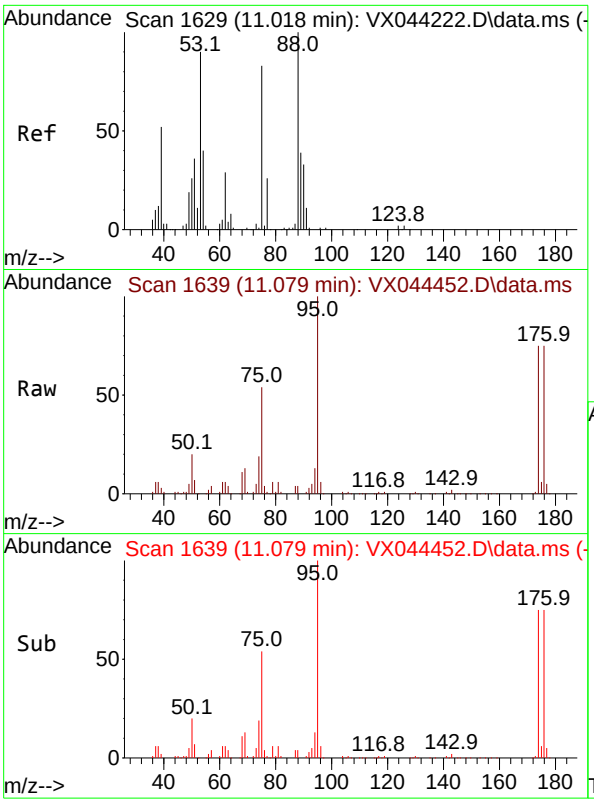




#76
1,2,3-Trichloropropane
Concen: 25.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

Tgt Ion: 75 Resp: 41249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 20.9 | 62.7# |



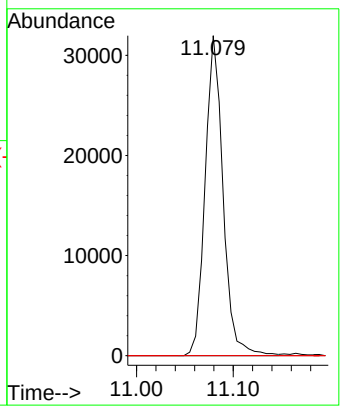



#81
trans-1,4-Dichloro-2-butene
Concen: 70.207 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044452.D
Acq: 20 Dec 2024 15:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT191D1-20241216

Tgt Ion: 75 Resp: 41249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 93.6 | 140.4# |
| 89 | 0.0 | 37.3 | 55.9# |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 140284 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 239068 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 206477 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 97831 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 109103 | 44.357 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 88.720% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 86675 | 52.347 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.700% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 290046 | 51.923 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.840% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 99862 | 51.161 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 102.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 104302 | 48.084 | ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 97601 | 47.052 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 102407 | 47.388 | ug/l | 96 |
| 5) Bromomethane | 1.593 | 94 | 69880 | 45.581 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 71114 | 52.848 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 168610 | 39.855 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 61643 | 42.687 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 82704 | 48.311 | ug/l | 96 |
| 10) Methyl Iodide | 2.441 | 142 | 113213 | 50.177 | ug/l | 98 |
| 11) Tert butyl alcohol | 2.989 | 59 | 71333 | 205.778 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 78622 | 50.001 | ug/l | 95 |
| 13) Acrolein | 2.239 | 56 | 111786 | 222.774 | ug/l | 98 |
| 14) Allyl chloride | 2.654 | 41 | 124514 | 47.541 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 217189 | 226.182 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 189212 | 188.692 | ug/l | 95 |
| 17) Carbon Disulfide | 2.502 | 76 | 152826 | 51.130 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 120686 | 46.678 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 276668 | 45.089 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 89276 | 47.401 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 81078 | 48.517 | ug/l | 99 |
| 22) Diisopropyl ether | 3.764 | 45 | 265503 | 45.018 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1167584 | 243.510 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 157858 | 48.018 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 303982 | 213.237 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 116211 | 43.513 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 100836 | 47.511 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 71526 | 44.369 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.007 | 42 | 194494 | 212.557 | ug/l | 99 |
| 30) Chloroform | 5.093 | 83 | 166909 | 45.189 | ug/l | 99 |
| 31) Cyclohexane | 5.464 | 56 | 122203 | 46.033 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 144394 | 47.095 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 104911 | 49.017 | ug/l | 97 |
| 37) Ethyl Acetate | 4.721 | 43 | 127468 | 48.180 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 118357 | 51.365 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 131438 | 51.370 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 333117 | 51.262 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 66592 | 47.401 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 127634 | 47.680 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 198680 | 48.047 | ug/l | | 98 |
| 44) Trichloroethene | 7.117 | 130 | 86021 | 53.083 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 82383 | 49.622 | ug/l | | 96 |
| 46) Dibromomethane | 7.574 | 93 | 65924 | 51.184 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.818 | 83 | 117278 | 52.723 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 94575 | 47.115 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.659 | 88 | 33398 | 1003.530 | ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 625919 | 235.413 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 204328 | 50.071 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 115268 | 48.388 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 127004 | 52.437 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 82378 | 50.814 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 131845 | 51.516 | ug/l | | 95 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 140522 | 49.799 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 314516 | 243.652 | ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 454909 | 236.376 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 86219 | 50.206 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 87547 | 53.053 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 70888 | 51.727 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 225888 | 51.056 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 79060 | 55.601 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 385756 | 50.462 | ug/l | | 96 |
| 68) m/p-Xylenes | 10.299 | 106 | 294612 | 105.028 | ug/l | | 95 |
| 69) o-Xylene | 10.640 | 106 | 146149 | 51.494 | ug/l | | 93 |
| 70) Styrene | 10.653 | 104 | 240058 | 52.761 | ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 51823 | 51.900 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 374548 | 50.011 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 168135 | 48.576 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 125030 | 48.065 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 131971 | 60.417 | ug/l | | 84 |
| 77) Bromobenzene | 11.195 | 156 | 94262 | 51.903 | ug/l | | 94 |
| 78) n-propylbenzene | 11.305 | 91 | 417465 | 50.432 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 253139 | 47.285 | ug/l | | 96 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 309218 | 49.787 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 32407 | 43.348 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 289306 | 48.802 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 312731 | 50.950 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 308415 | 50.564 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 376639 | 50.546 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 319422 | 51.504 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 163311 | 51.480 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 161681 | 49.579 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 261860 | 50.212 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 47928 | 52.940 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 167214 | 50.764 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 23250 | 46.042 | ug/l | | 87 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 97858 | 54.188 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 40506 | 55.763 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 343151 | 48.680 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 101400 | 52.939 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

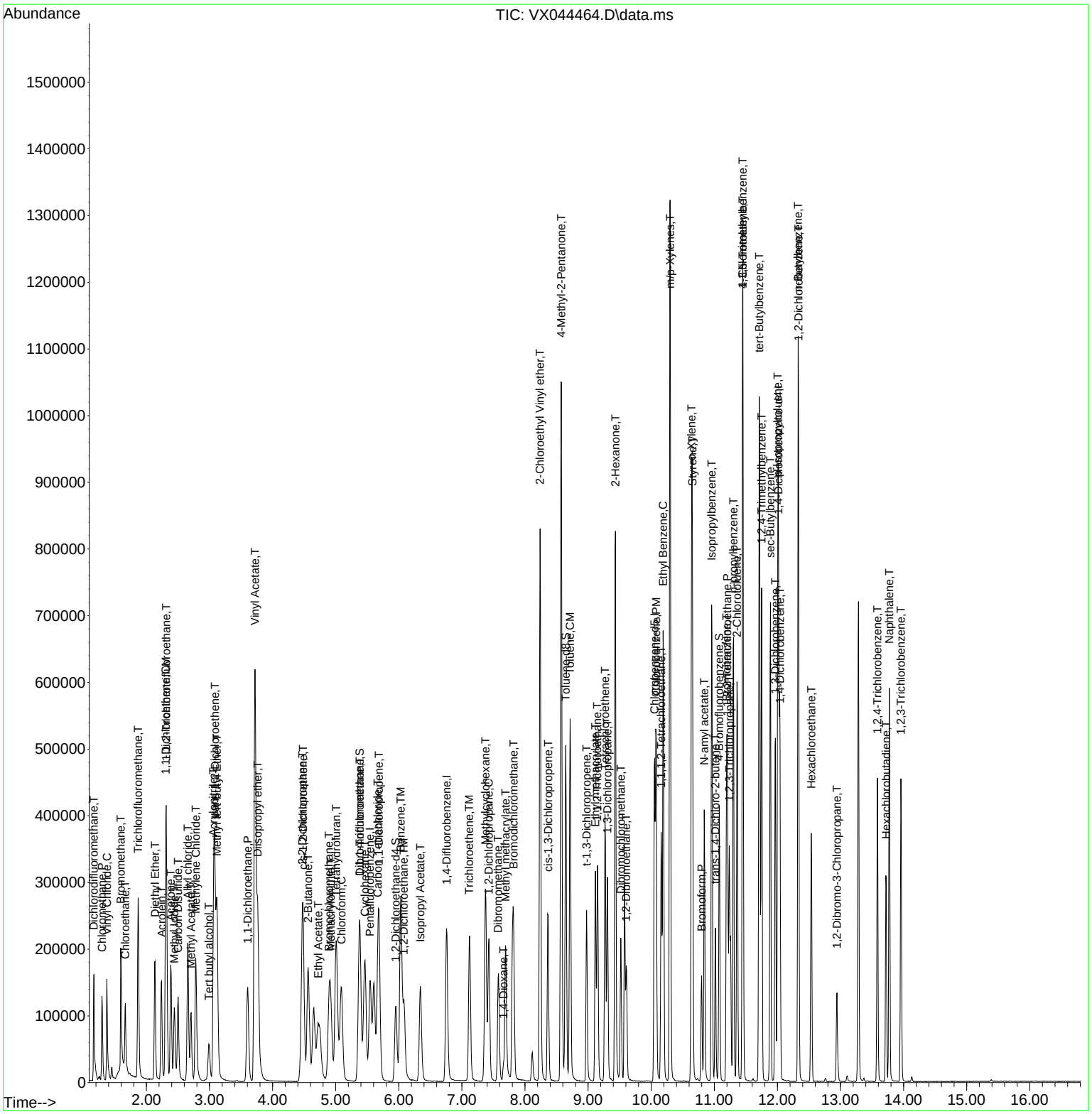
(#) = qualifier out of range (m) = manual integration (+) = signals summed

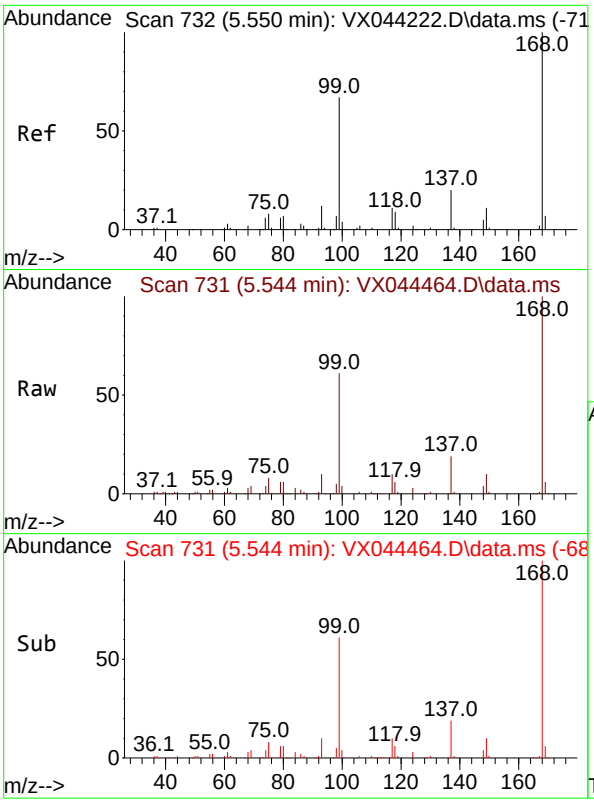
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
Data File : VX044464.D
Acq On : 20 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 20 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



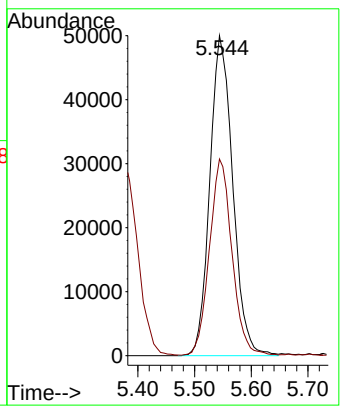


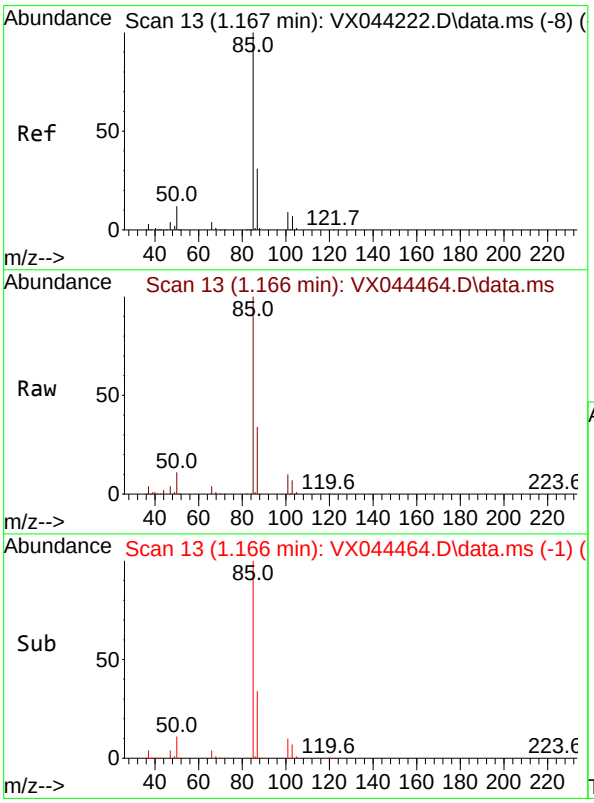

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 140284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.2 | 53.4 | 80.0 |

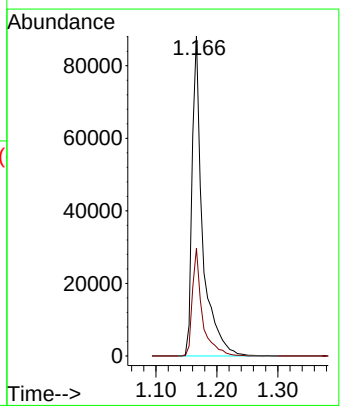


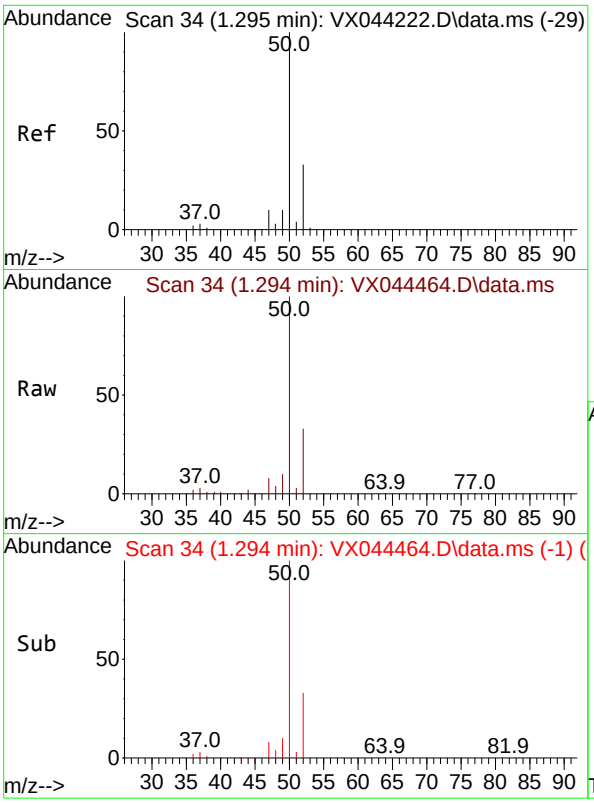




#2
Dichlorodifluoromethane
Concen: 48.084 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 85 Resp: 104302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.7 | 15.4 | 46.4 |



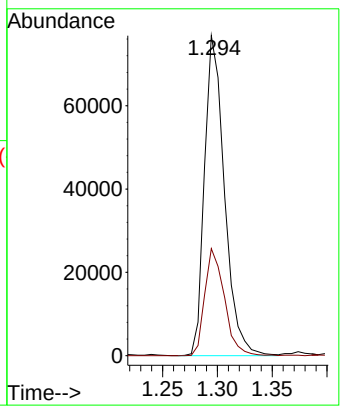


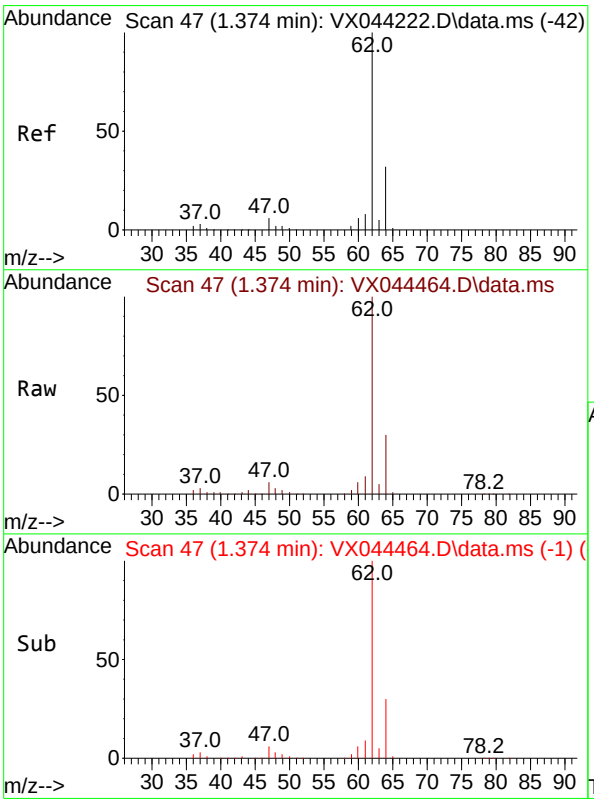

#3
Chloromethane
Concen: 47.052 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 97601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 26.5 | 39.7 |

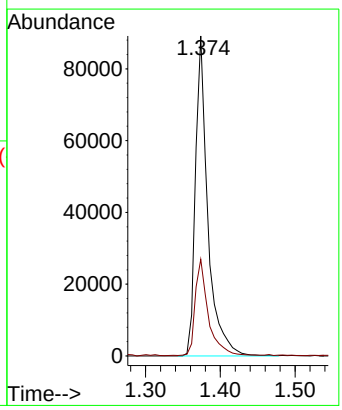


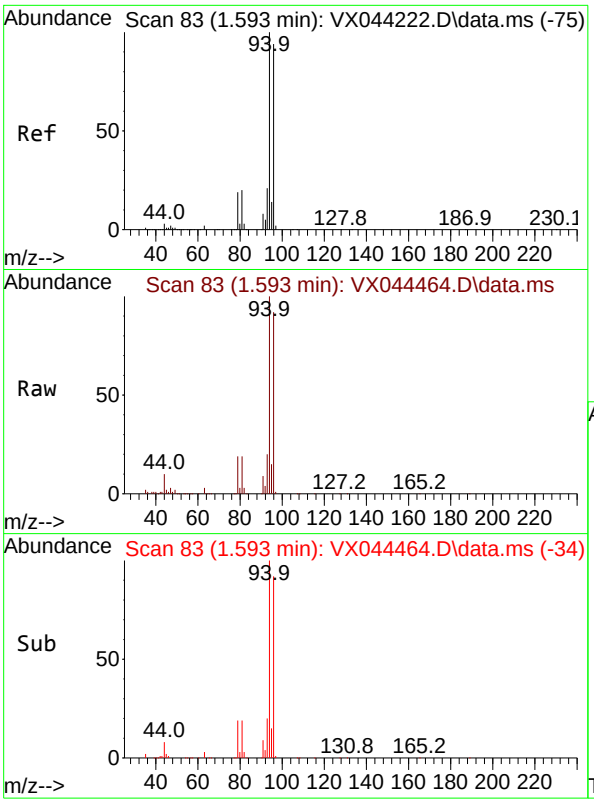




#4
Vinyl Chloride
Concen: 47.388 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 62 Resp: 102407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.0 | 25.7 | 38.5 |



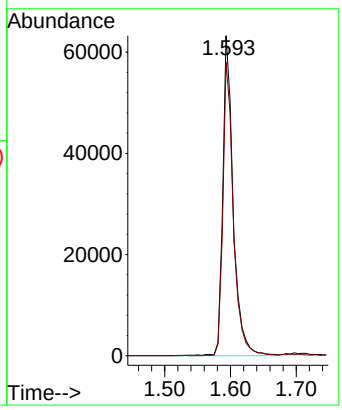


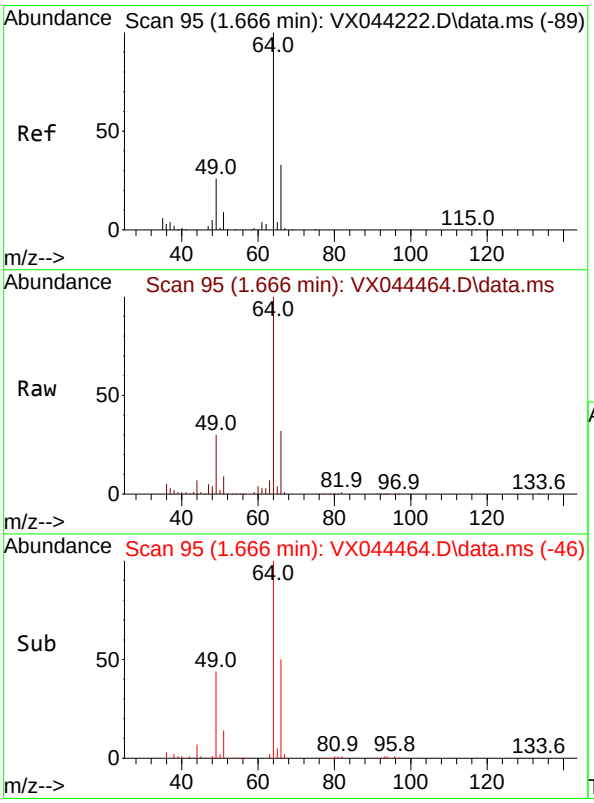

#5
Bromomethane
Concen: 45.581 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 69880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.7 | 74.9 | 112.3 |

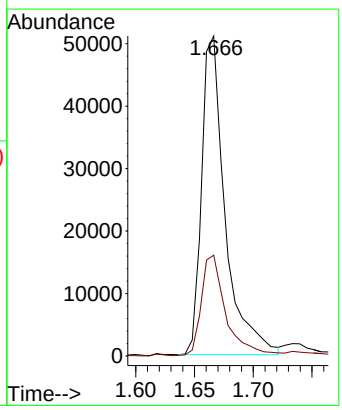


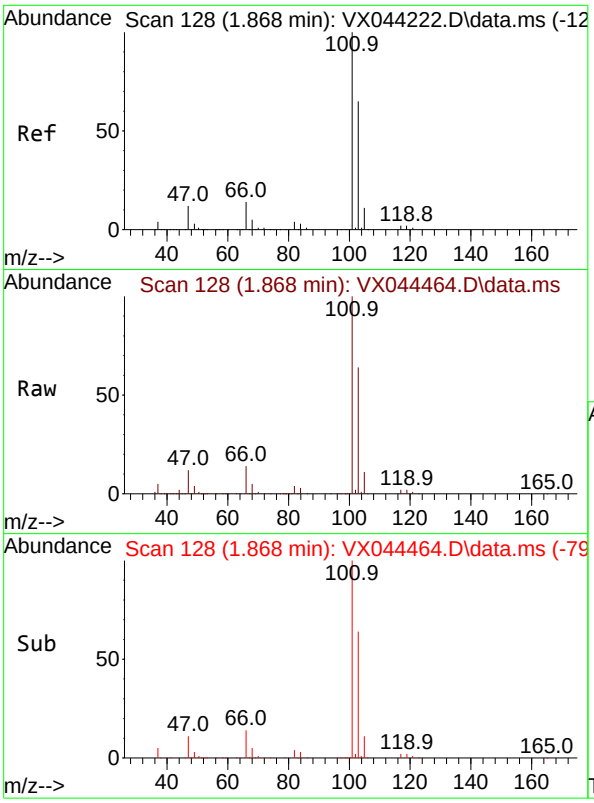




#6
Chloroethane
Concen: 52.848 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 64 Resp: 71114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.5 | 26.6 | 39.8 |



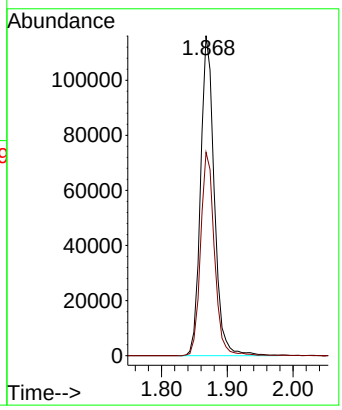


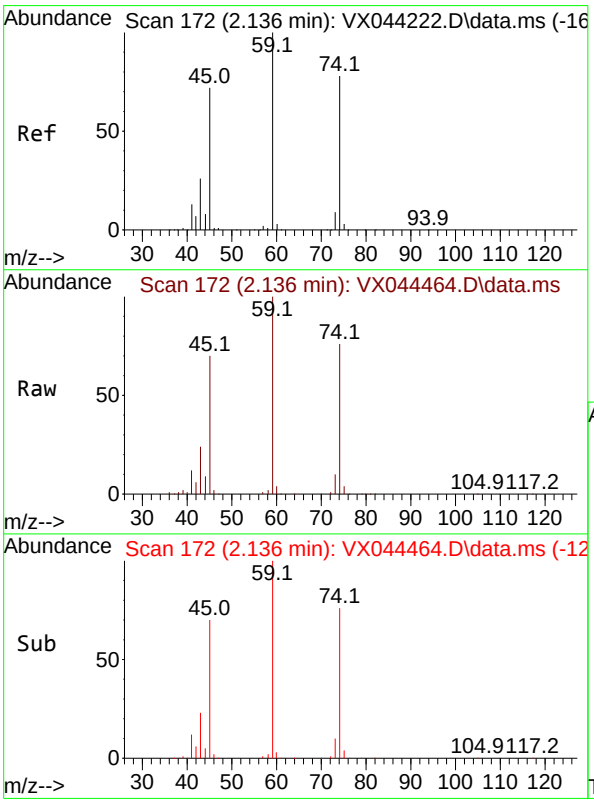

#7
Trichlorofluoromethane
Concen: 39.855 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 168610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |

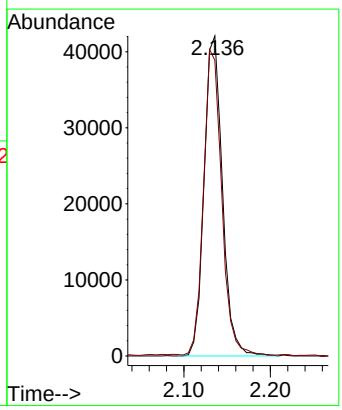


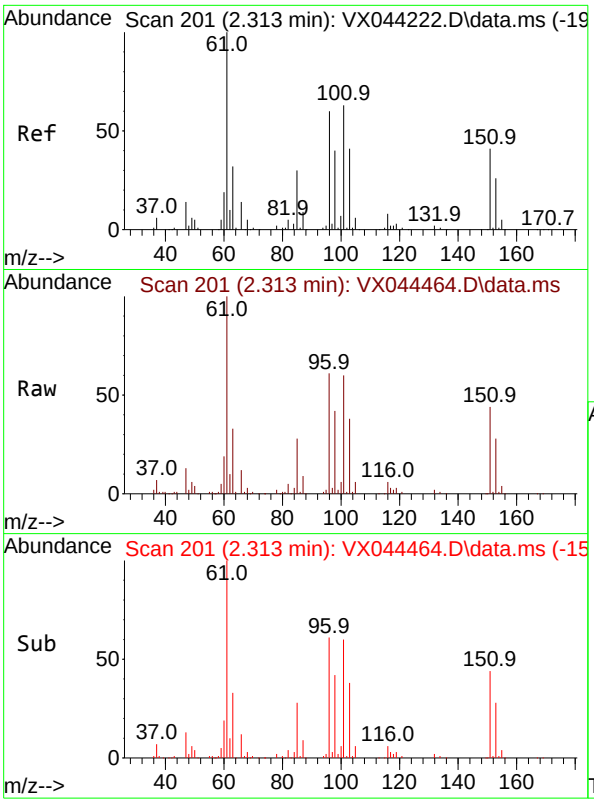




#8
Diethyl Ether
Concen: 42.687 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 74 Resp: 61643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 94.9 | 48.4 | 145.0 |



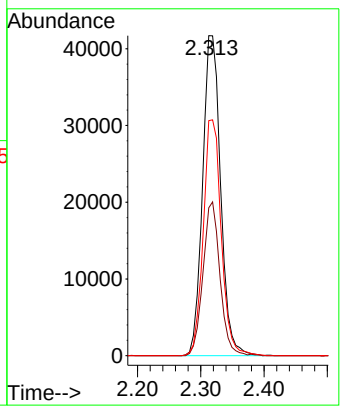


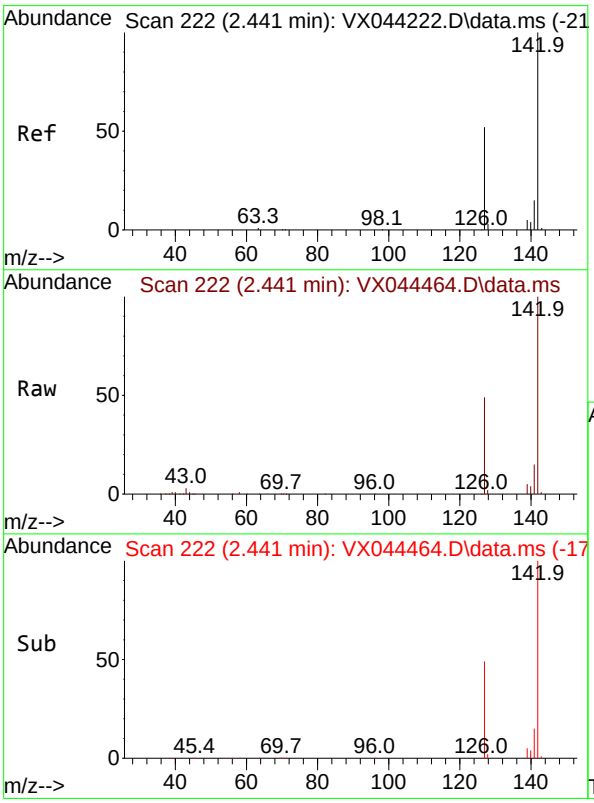

#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.311 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 82704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.4 | 38.5 | 57.7 |
| 151 | 73.6 | 55.8 | 83.6 |

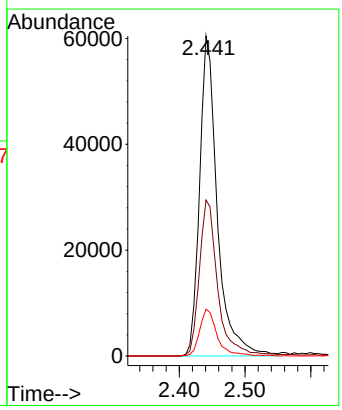


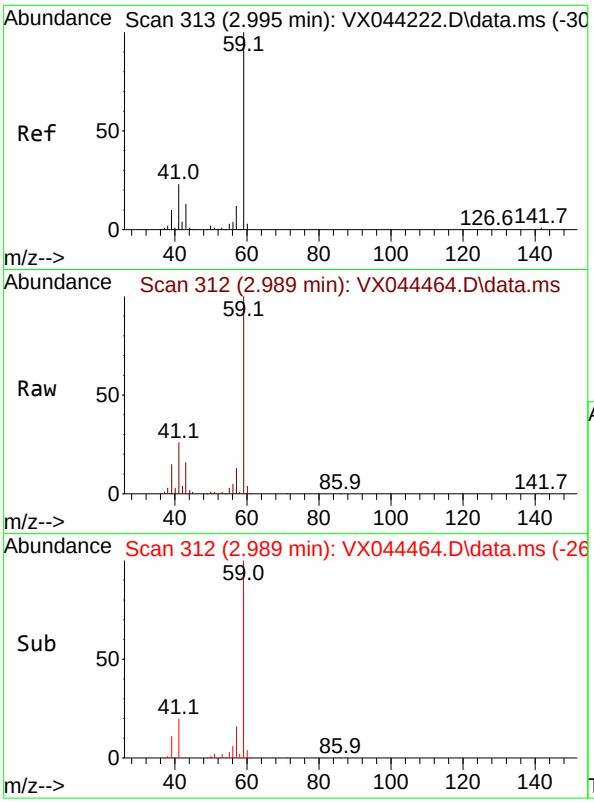




#10
Methyl Iodide
Concen: 50.177 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:142 Resp: 113213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.5 | 41.8 | 62.8 |
| 141 | 14.5 | 11.5 | 17.3 |



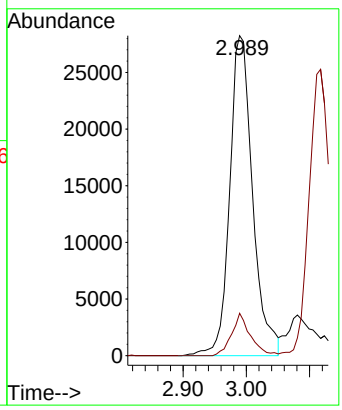


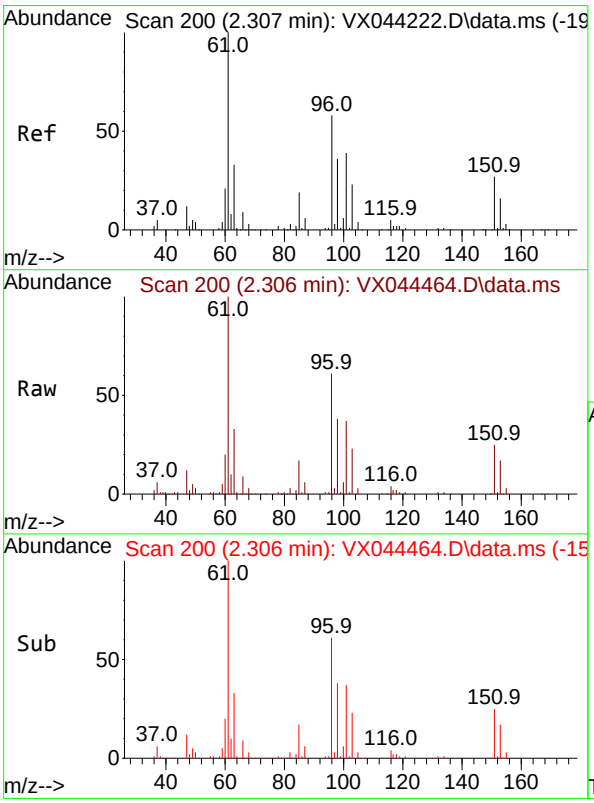

#11
Tert butyl alcohol
Concen: 205.778 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 71333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.8 | 13.2 |

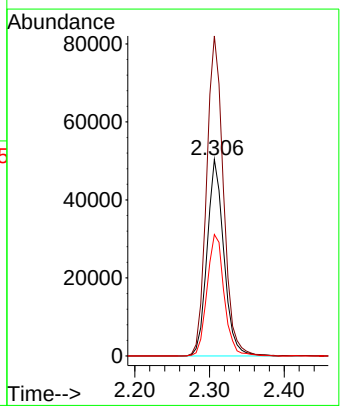


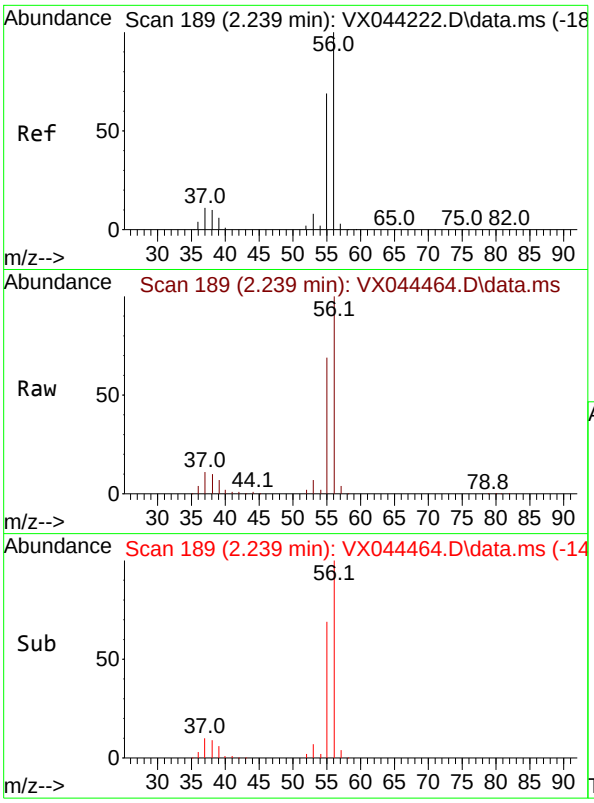




#12
1,1-Dichloroethene
Concen: 50.001 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 96 Resp: 78622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.8 | 138.0 | 207.0 |
| 98 | 61.8 | 50.0 | 75.0 |



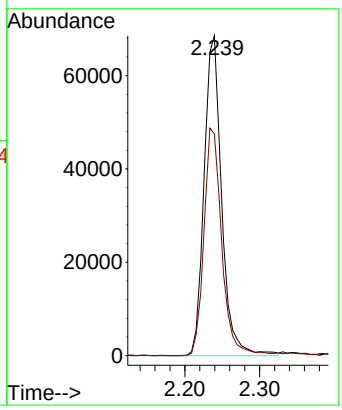


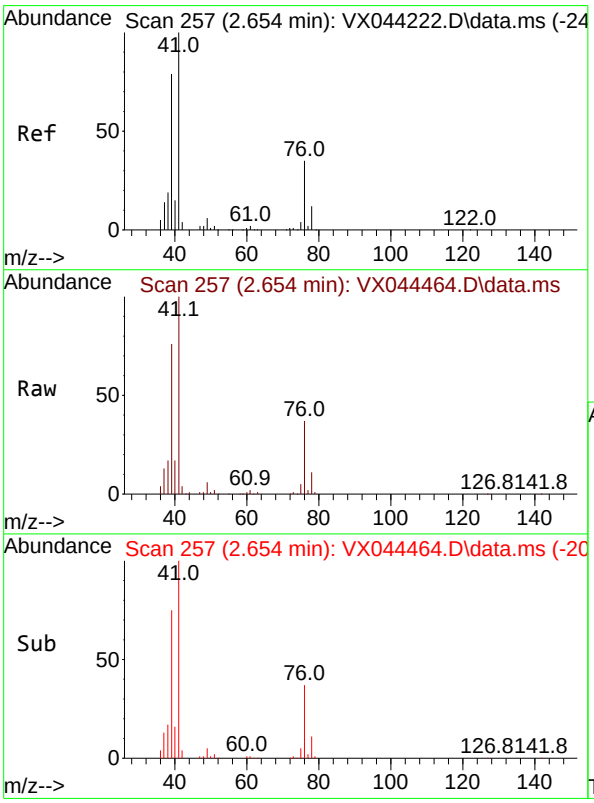

#13
Acrolein
Concen: 222.774 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 111786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.3 | 56.6 | 84.8 |

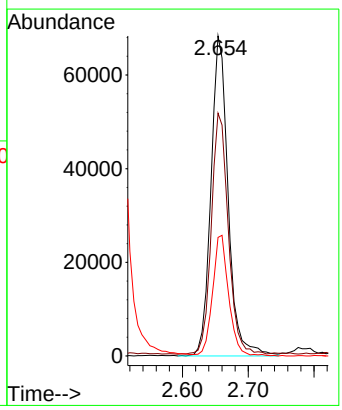


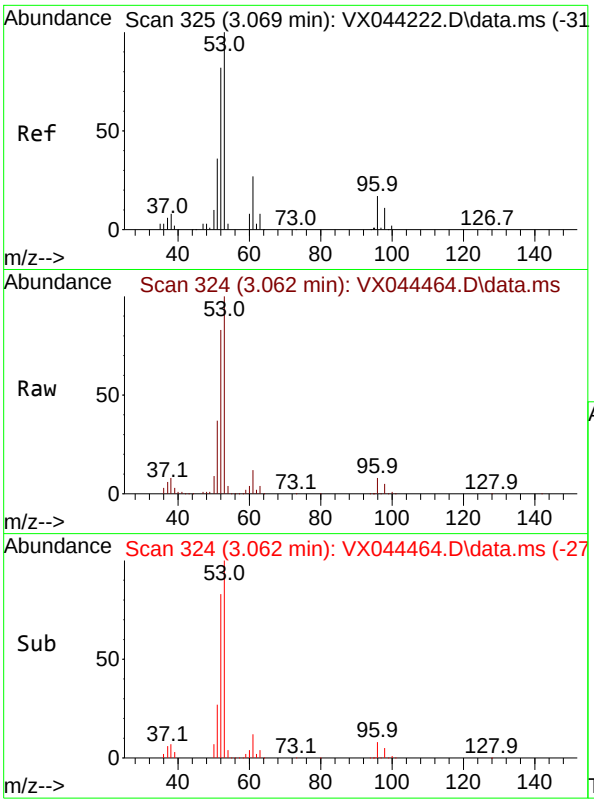




#14
Allyl chloride
Concen: 47.541 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 41 Resp: 124514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.1 | 61.9 | 92.9 |
| 76 | 35.4 | 27.4 | 41.2 |



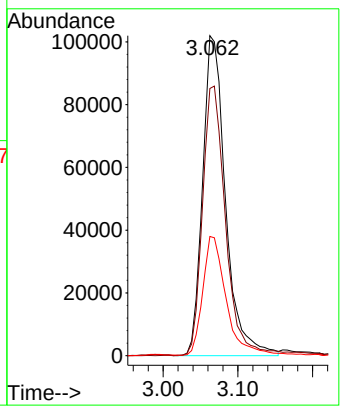


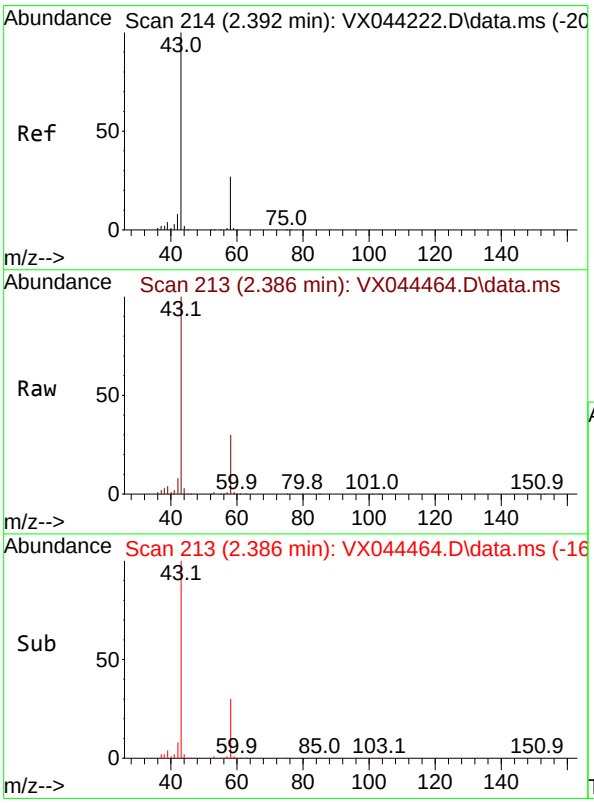

#15
Acrylonitrile
Concen: 226.182 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 217189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 86.6 | 67.4 | 101.0 |
| 51 | 38.5 | 30.3 | 45.5 |

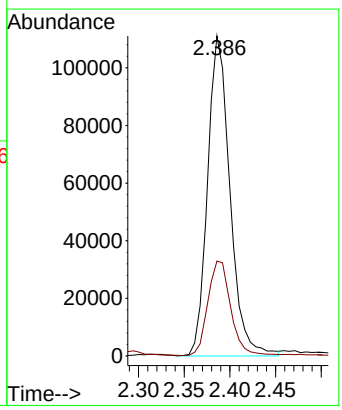


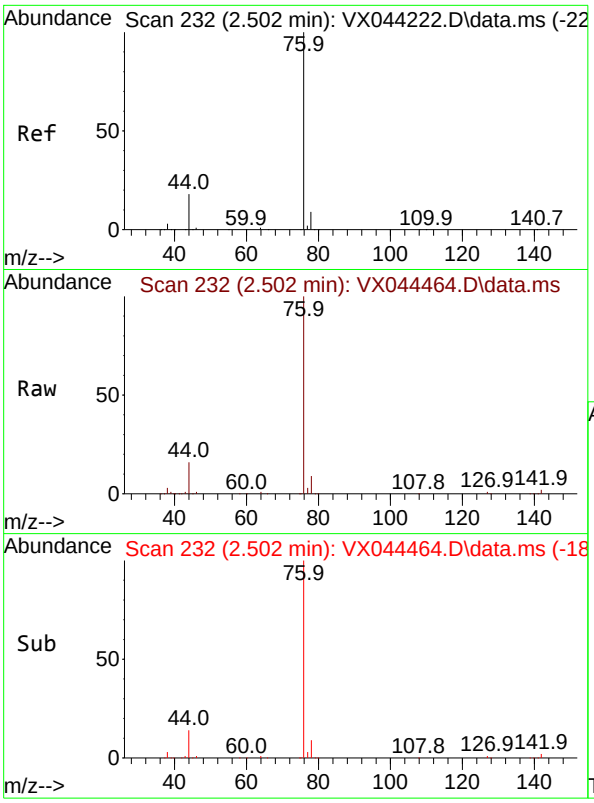




#16
Acetone
Concen: 188.692 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 189212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 21.6 | 32.4 |



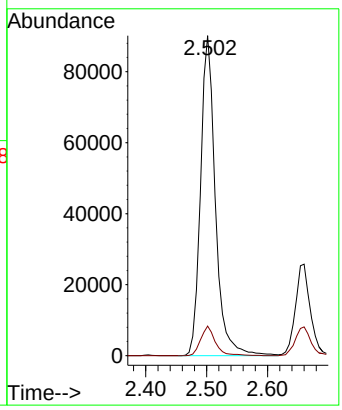


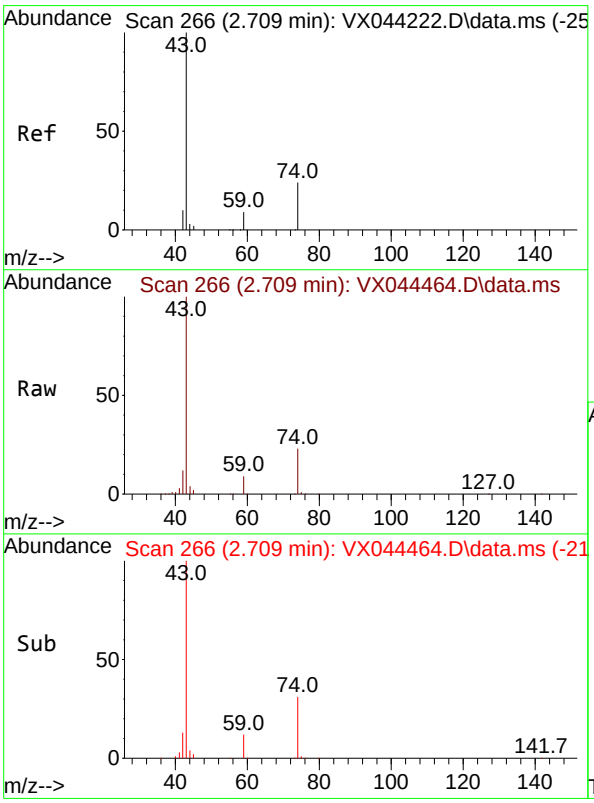

#17
Carbon Disulfide
Concen: 51.130 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 152826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |

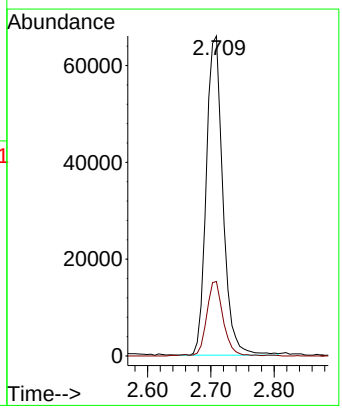


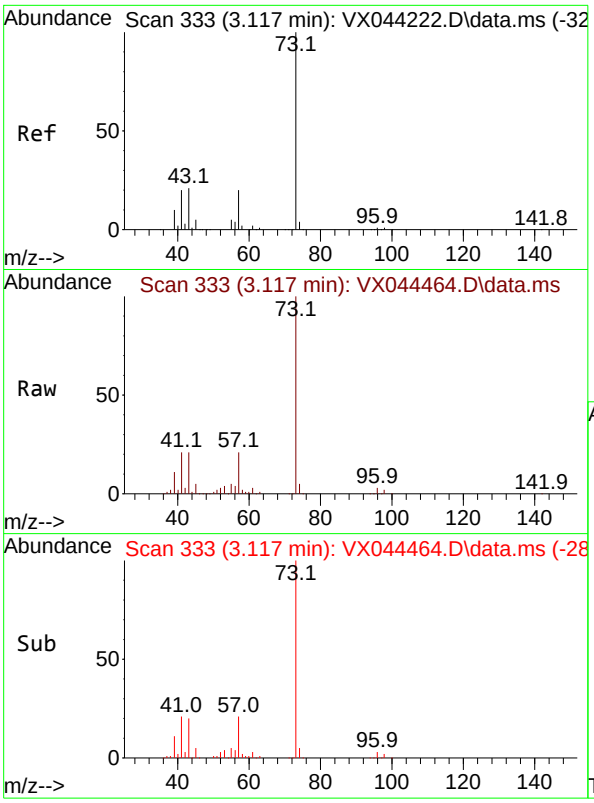




#18
Methyl Acetate
Concen: 46.678 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 120686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.4 | 17.7 | 26.5 |



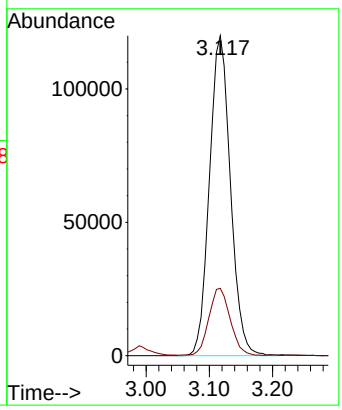


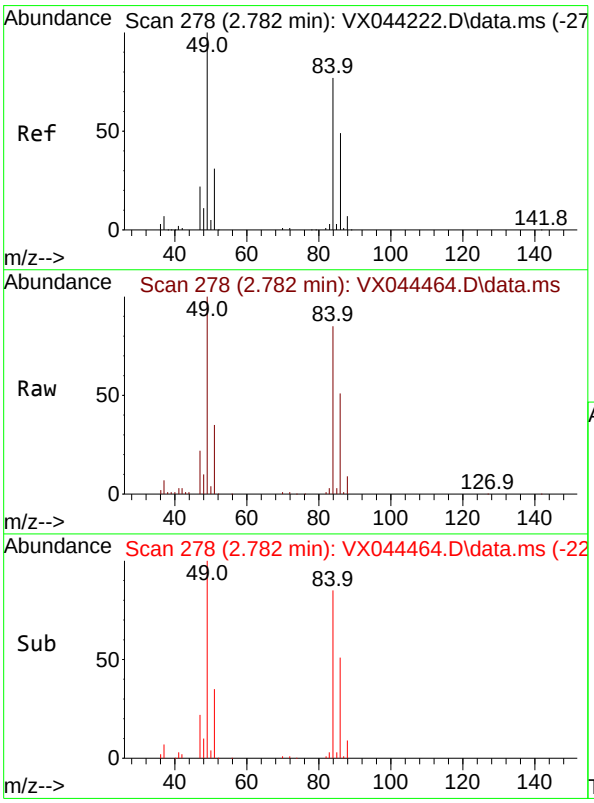

#19
Methyl tert-butyl Ether
Concen: 45.089 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 276668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 16.2 | 24.4 |

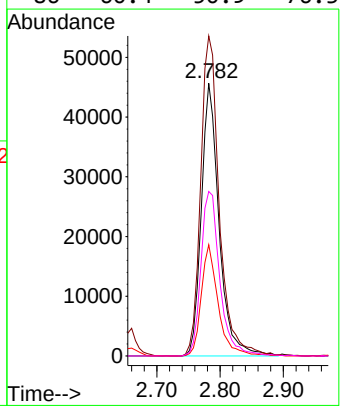


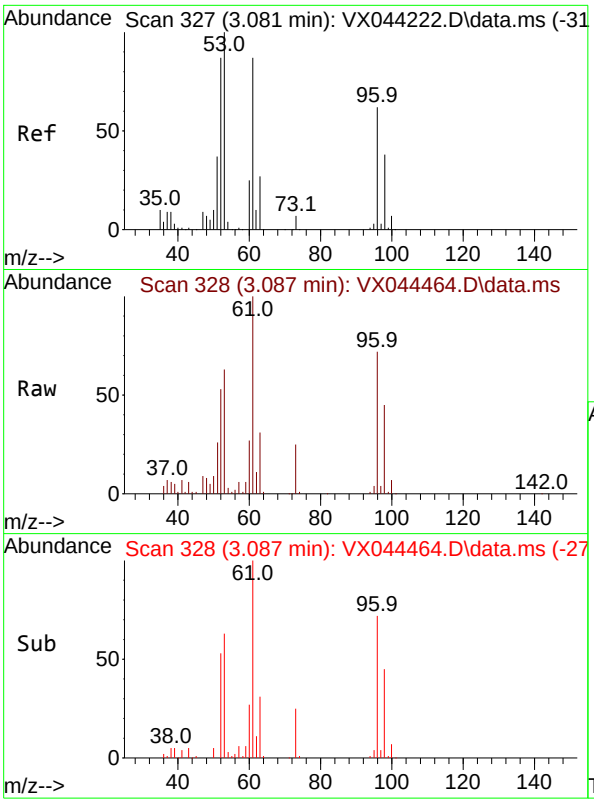




#20
Methylene Chloride
Concen: 47.401 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 84 Resp: 89276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.4 | 104.2 | 156.4 |
| 51 | 40.8 | 32.2 | 48.4 |
| 86 | 60.4 | 50.9 | 76.3 |



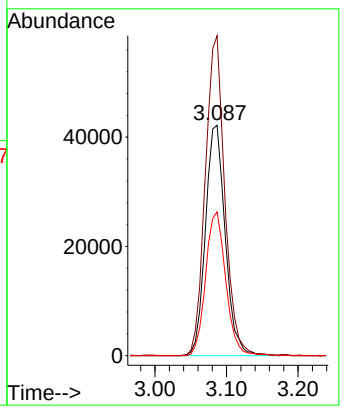


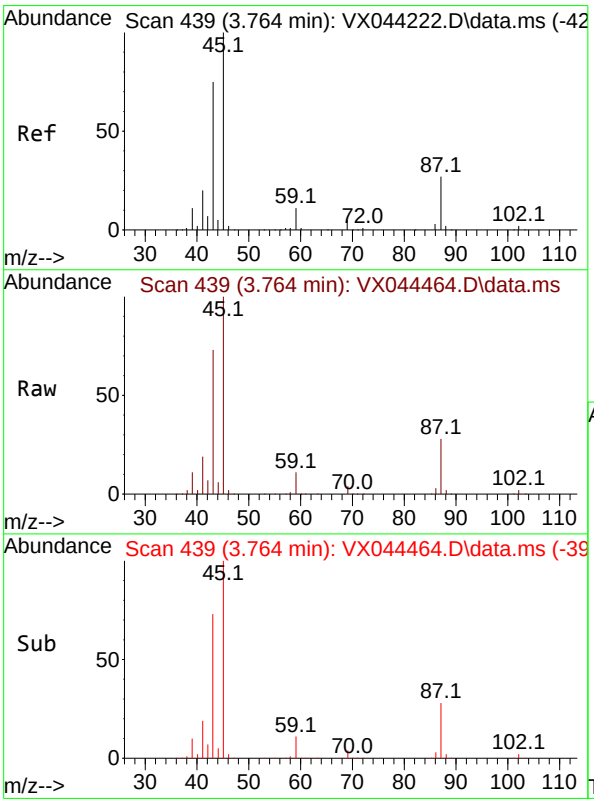

#21
trans-1,2-Dichloroethene
Concen: 48.517 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 81078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.9 | 112.0 | 168.0 |
| 98 | 62.4 | 48.8 | 73.2 |

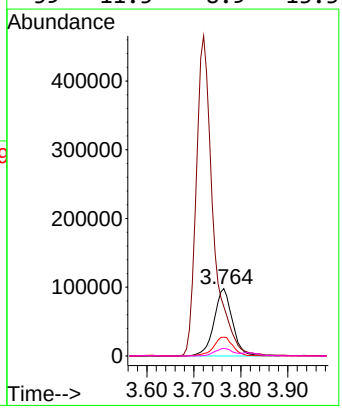


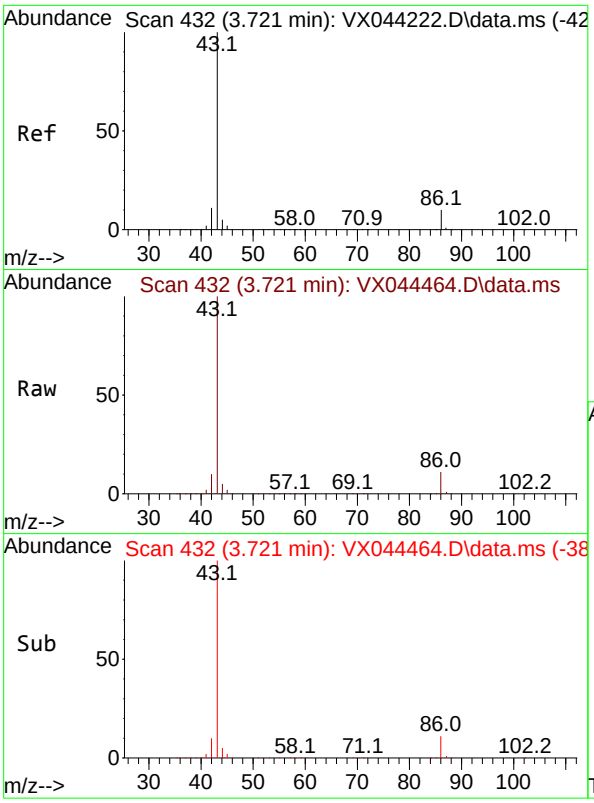




#22
Diisopropyl ether
Concen: 45.018 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 45 Resp: 265503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 73.3 | 60.2 | 90.2 |
| 87 | 27.7 | 21.2 | 31.8 |
| 59 | 11.5 | 8.9 | 13.3 |



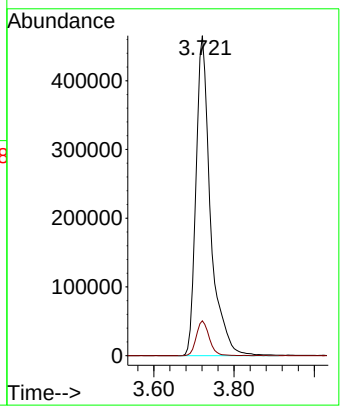


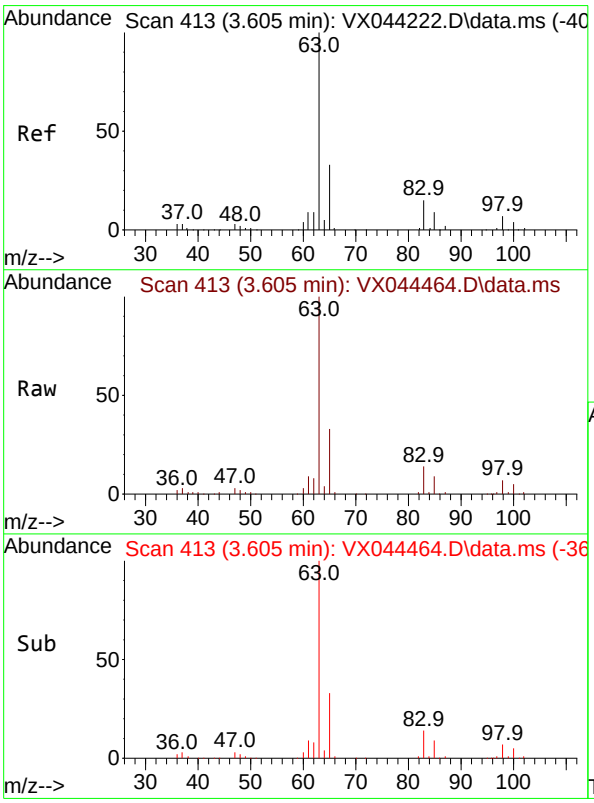

#23
Vinyl Acetate
Concen: 243.510 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1167584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 8.2 | 12.2 |

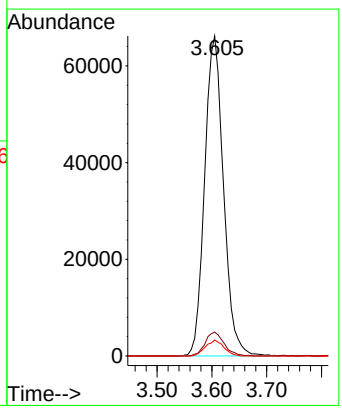


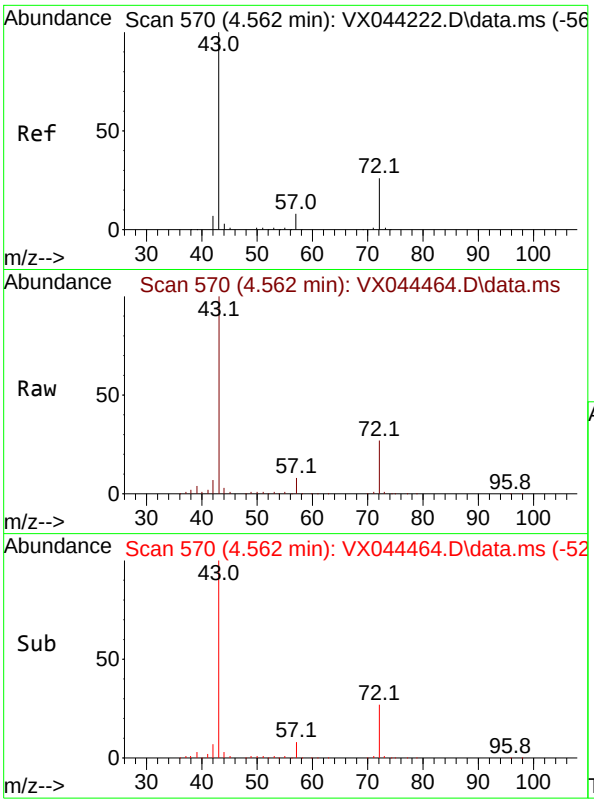




#24
1,1-Dichloroethane
Concen: 48.018 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 63 Resp: 157858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.6 | 10.8 |
| 100 | 5.0 | 2.1 | 6.3 |



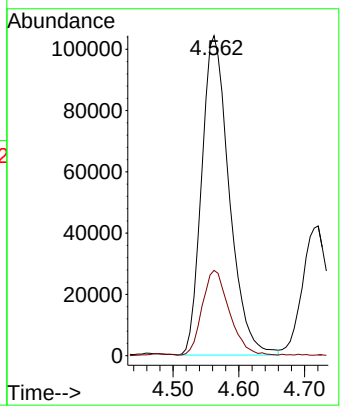


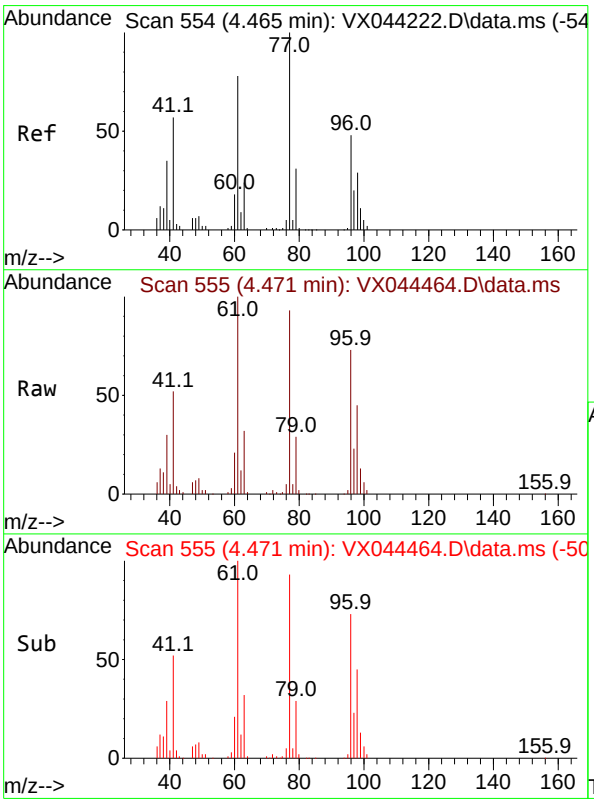

#25
2-Butanone
Concen: 213.237 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 303982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.5 | 20.2 | 30.4 |

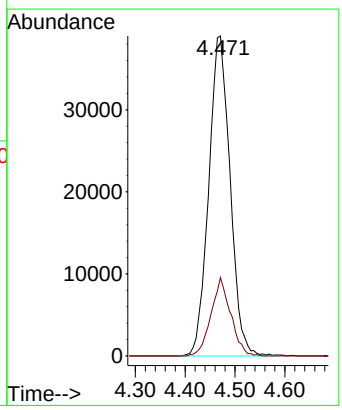


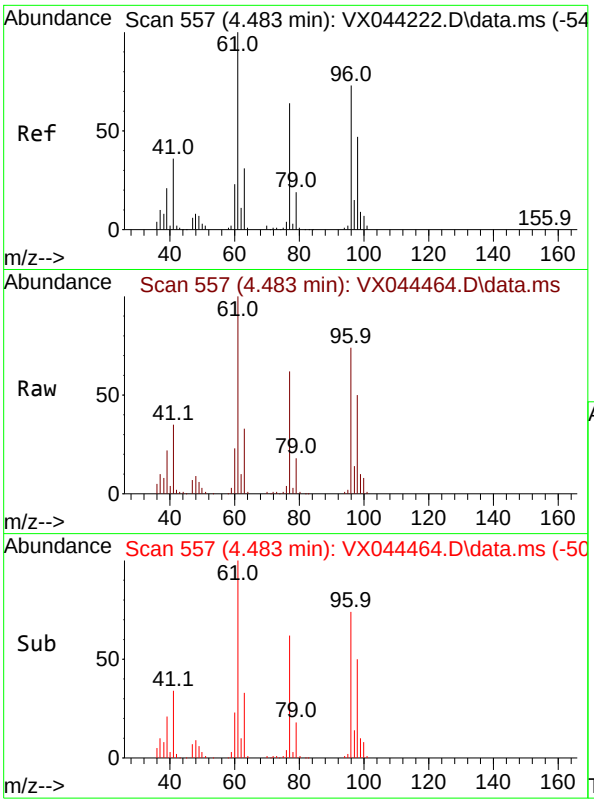




#26
2,2-Dichloropropane
Concen: 43.513 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 77 Resp: 116211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.5 | 10.7 | 32.1 |



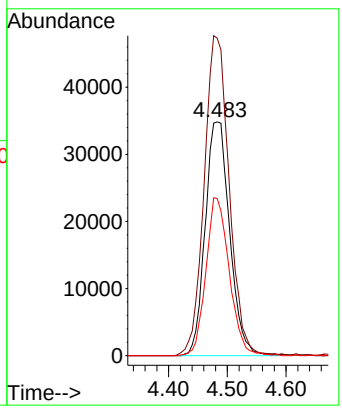


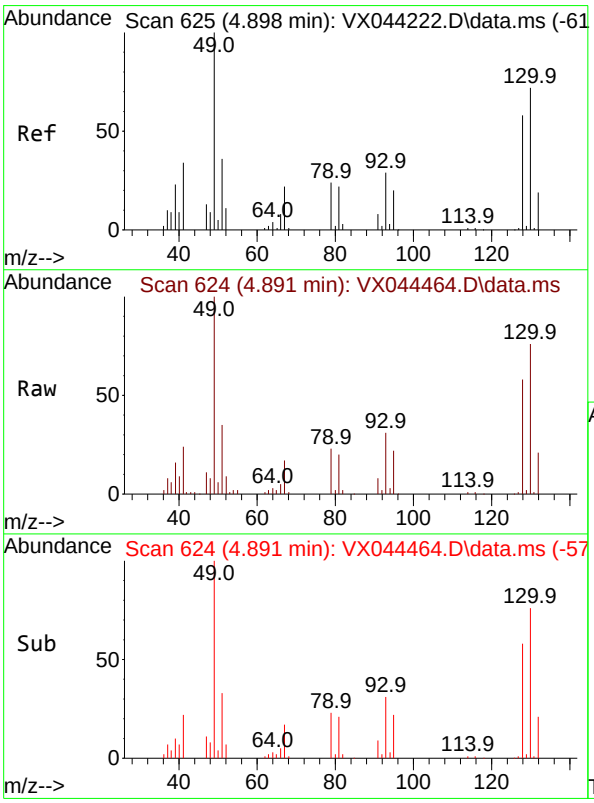

#27
cis-1,2-Dichloroethene
Concen: 47.511 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 100836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.9 | 0.0 | 299.0 |
| 98 | 64.5 | 0.0 | 129.0 |

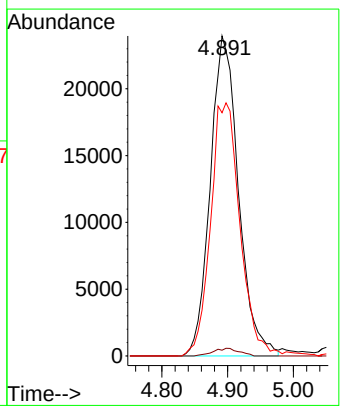


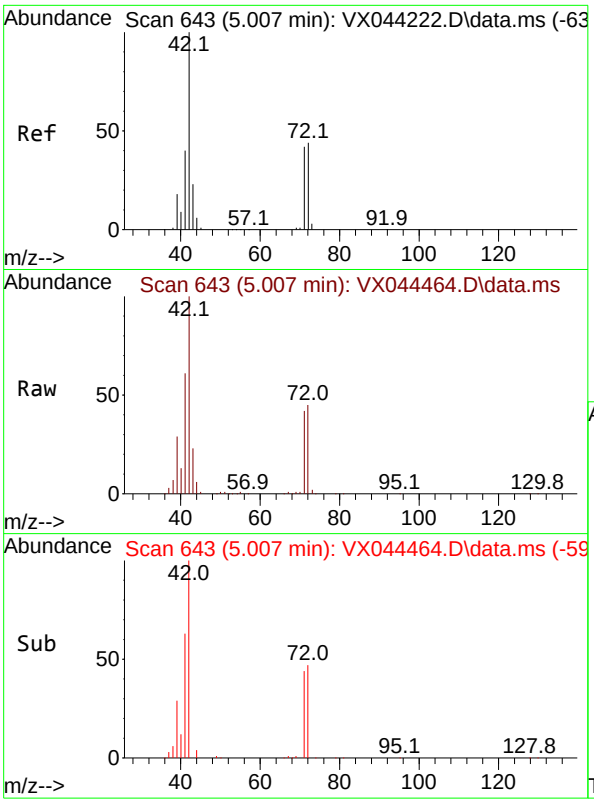




#28
Bromochloromethane
Concen: 44.369 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 49 Resp: 71526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.2 |
| 130 | 82.1 | 62.1 | 93.1 |



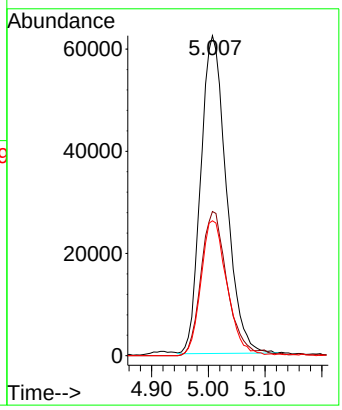


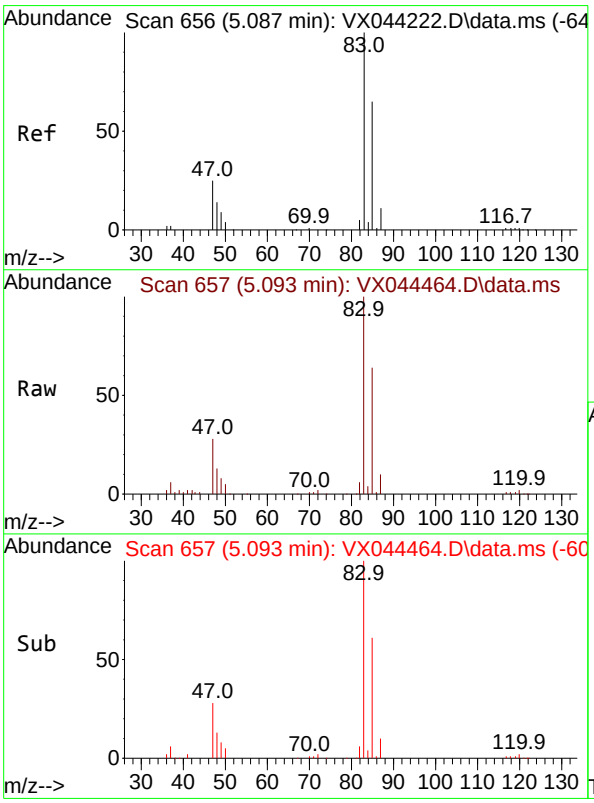

#29
Tetrahydrofuran
Concen: 212.557 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 194494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.1 | 37.0 | 55.6 |
| 71 | 43.4 | 33.6 | 50.4 |

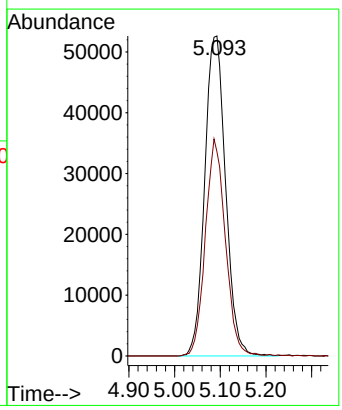


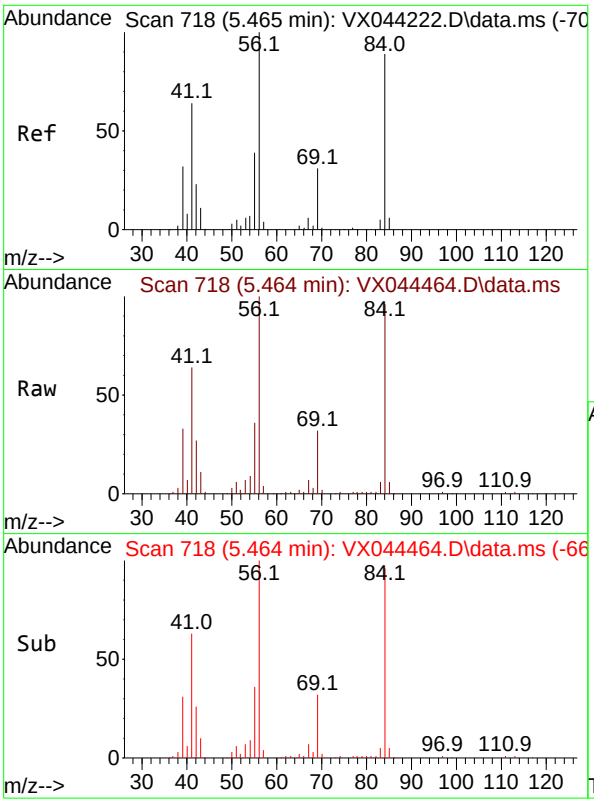




#30
Chloroform
Concen: 45.189 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 83 Resp: 166909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 51.6 | 77.4 |



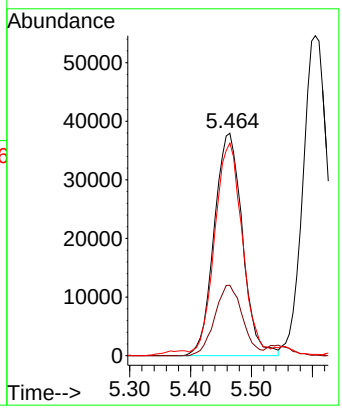


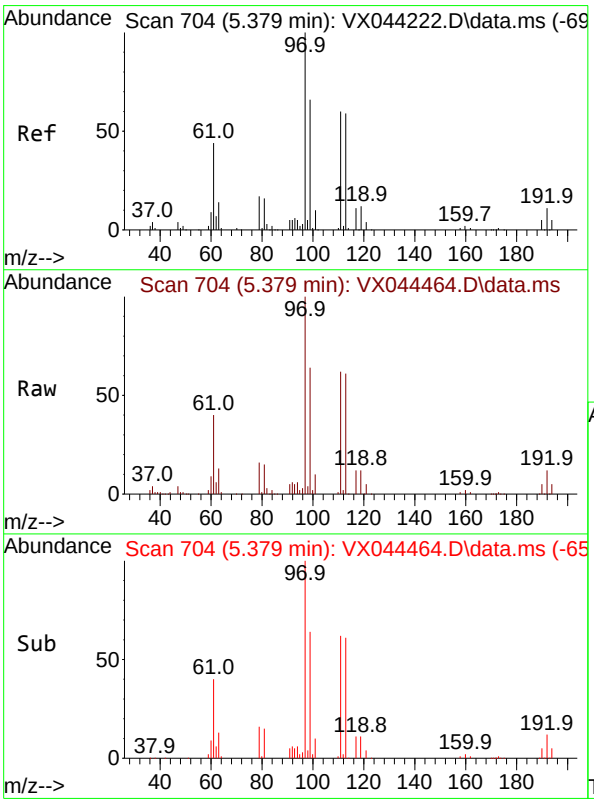

#31
Cyclohexane
Concen: 46.033 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 122203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.7 | 24.7 | 37.1 |
| 84 | 93.5 | 71.0 | 106.6 |

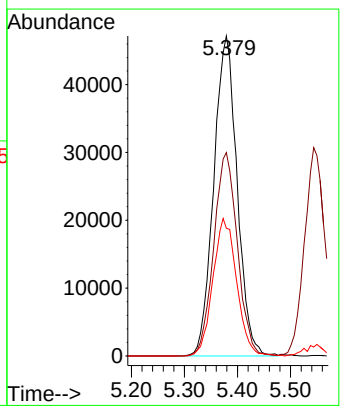


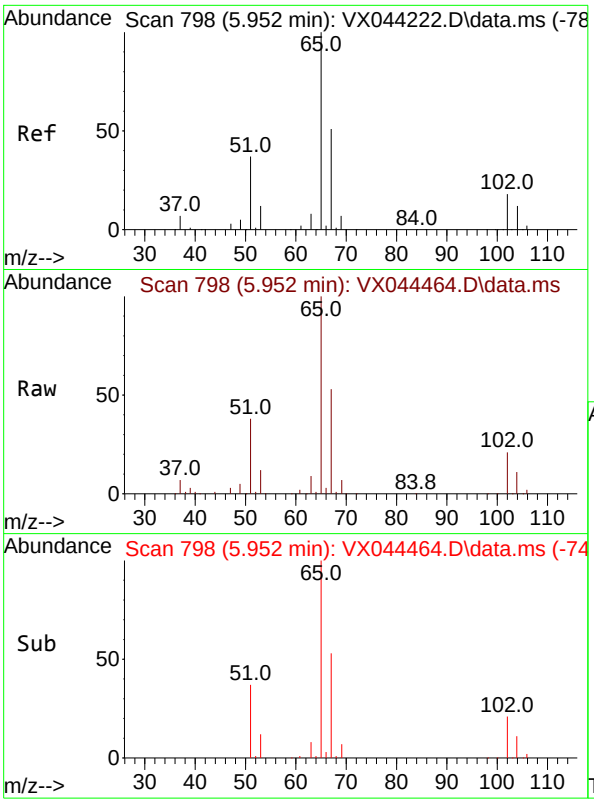




#32
1,1,1-Trichloroethane
Concen: 47.095 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 97 Resp: 144394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 50.8 | 76.2 |
| 61 | 43.7 | 35.2 | 52.8 |



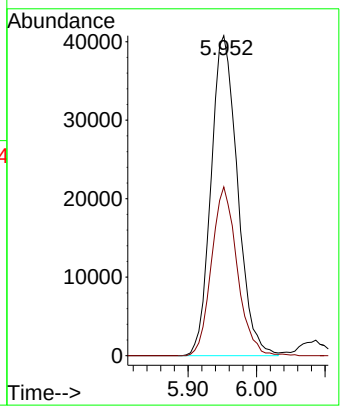


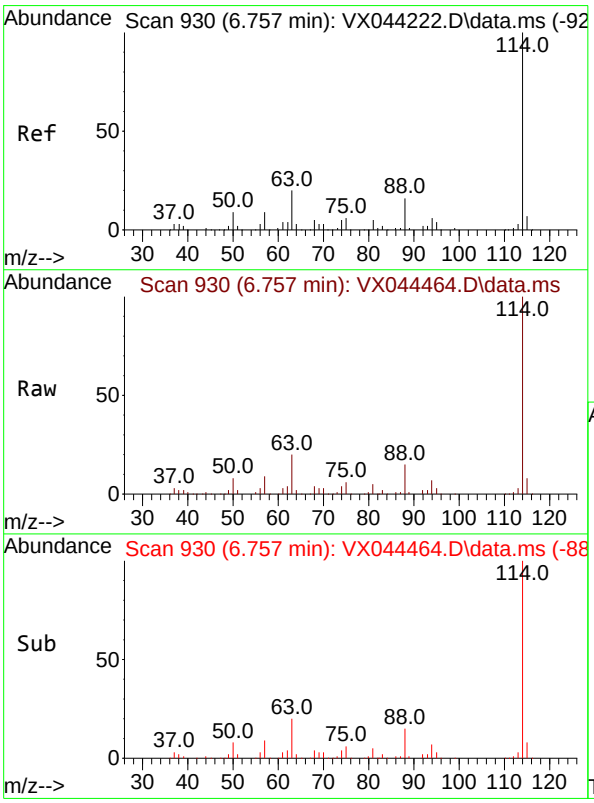

#33
1,2-Dichloroethane-d4
Concen: 44.357 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 109103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 101.6 |

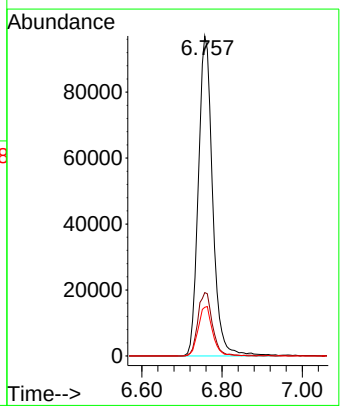


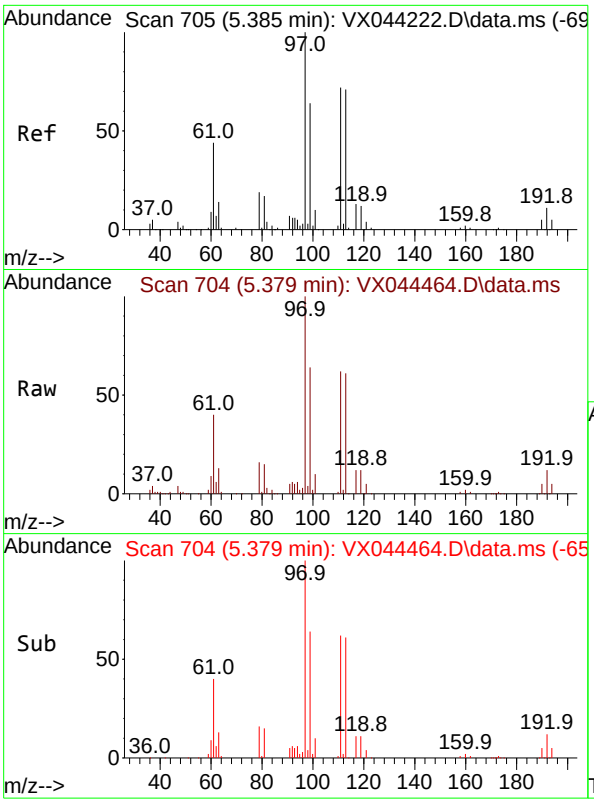




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:114 Resp: 239068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 40.6 |
| 88 | 15.2 | 0.0 | 31.8 |



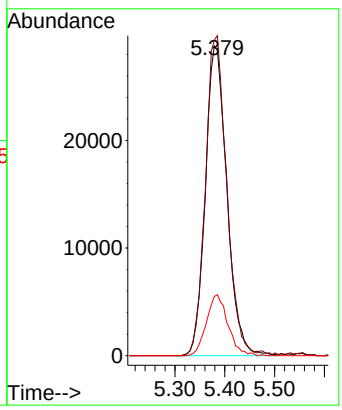


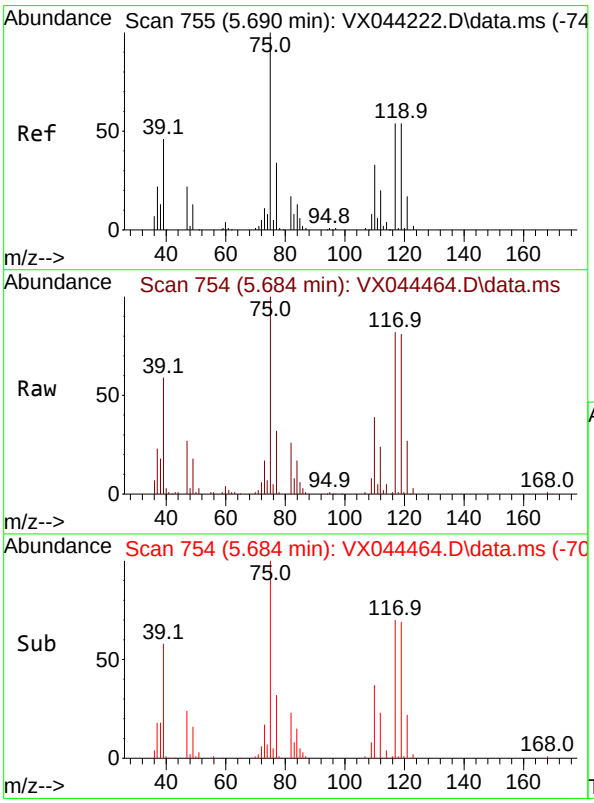

#35
Dibromofluoromethane
Concen: 52.347 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 86675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.4 | 80.4 | 120.6 |
| 192 | 19.6 | 13.3 | 19.9 |

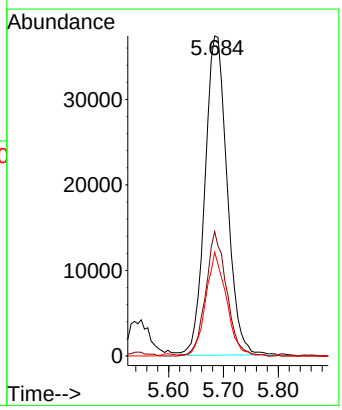


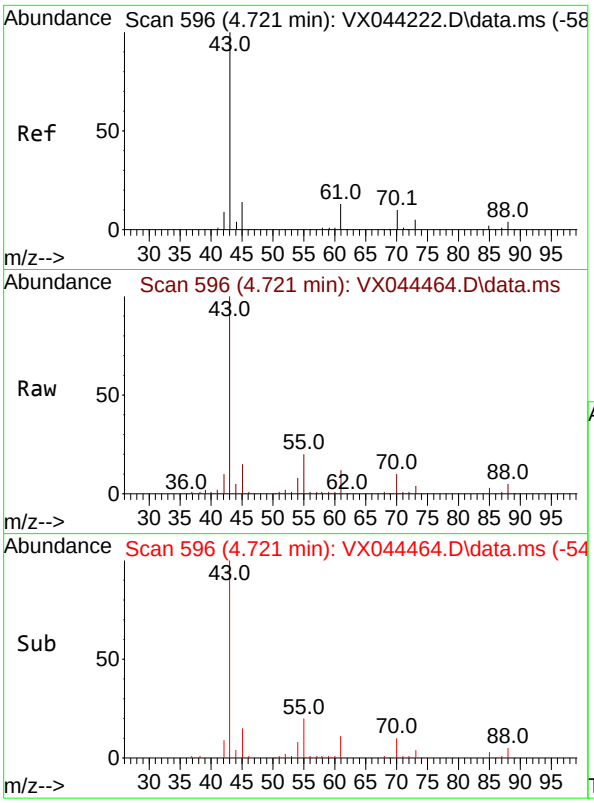




#36
1,1-Dichloropropene
Concen: 49.017 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 104911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.5 | 17.3 | 51.7 |
| 77 | 30.4 | 25.4 | 38.0 |



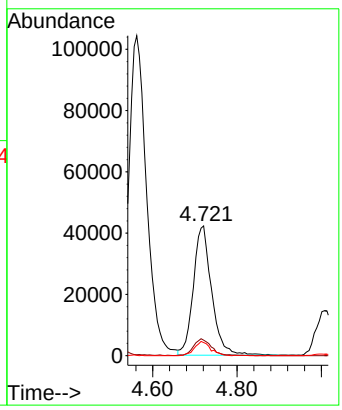


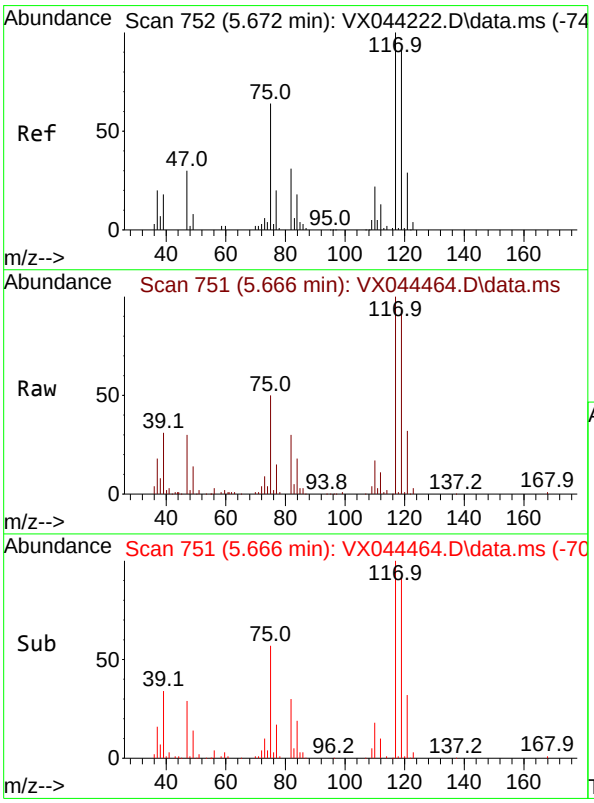

#37
Ethyl Acetate
Concen: 48.180 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 127468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.8 | 14.8 |
| 70 | 9.7 | 7.7 | 11.5 |

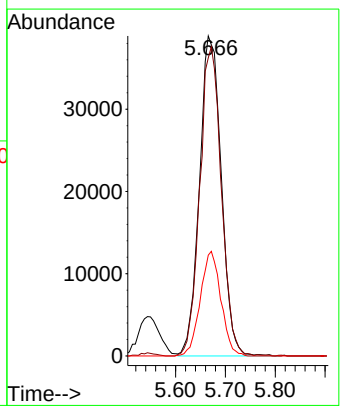


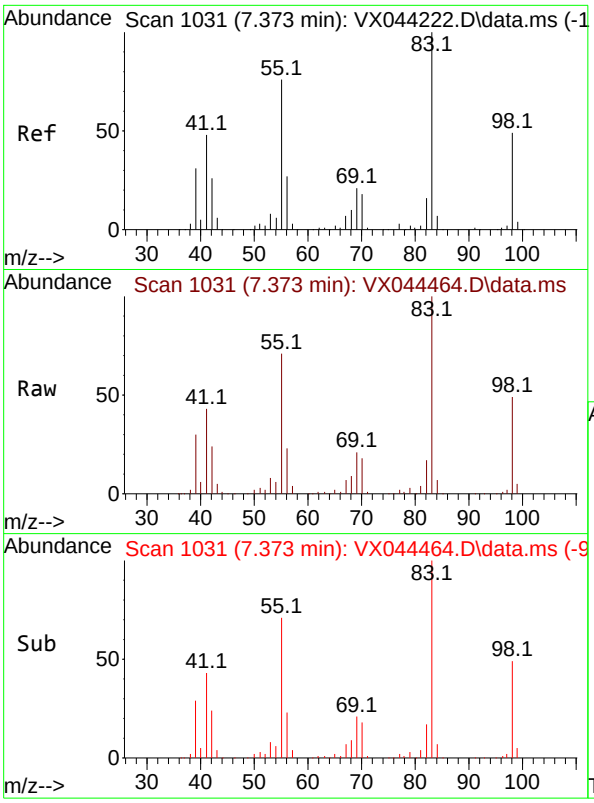




#38
Carbon Tetrachloride
Concen: 51.365 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:117 Resp: 118357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.0 | 74.2 | 111.4 |
| 121 | 31.5 | 23.0 | 34.6 |



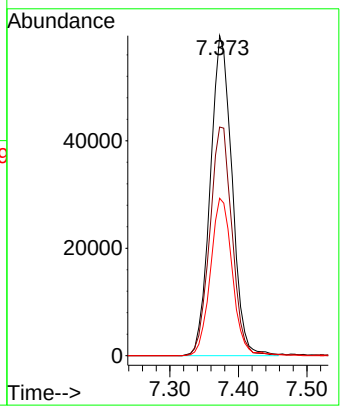


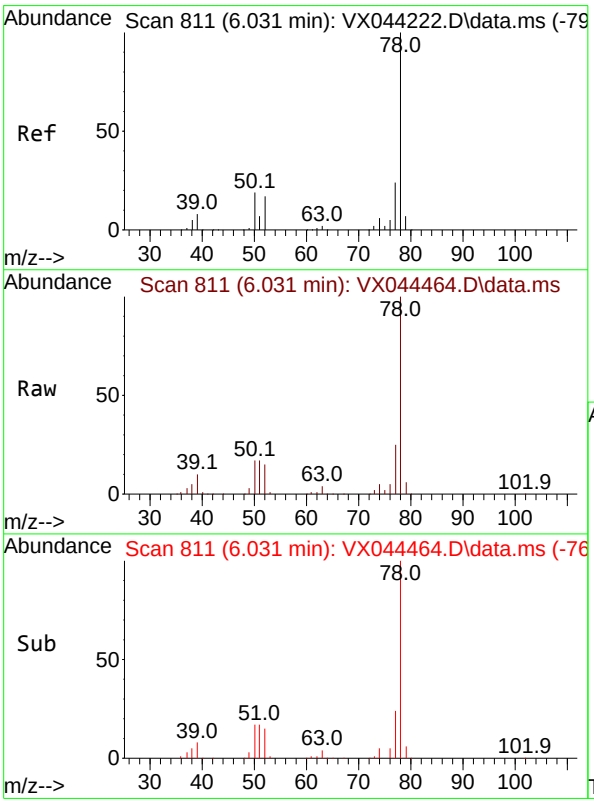

#39
Methylcyclohexane
Concen: 51.370 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 131438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.4 | 60.7 | 91.1 |
| 98 | 49.2 | 38.9 | 58.3 |

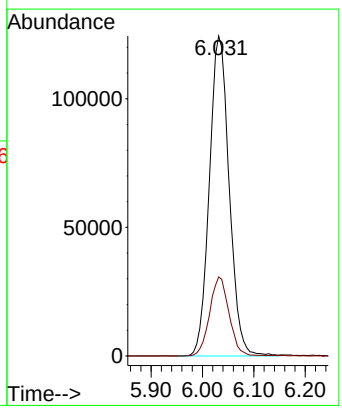


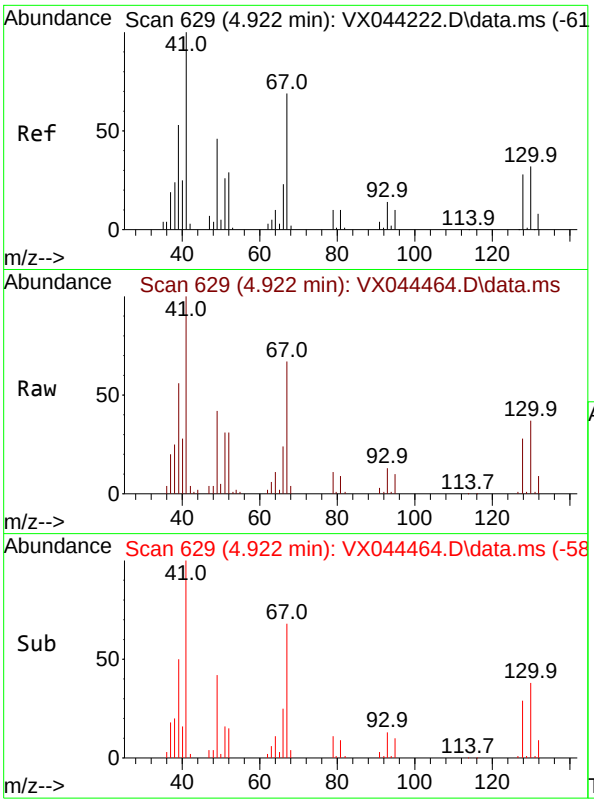




#40
Benzene
Concen: 51.262 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 78 Resp: 333117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.7 | 19.3 | 28.9 |



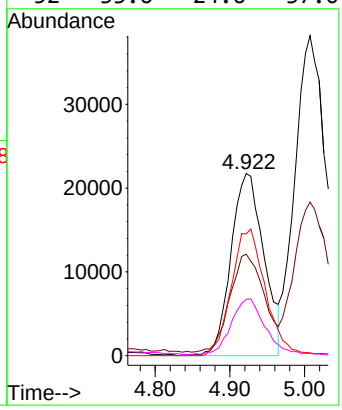


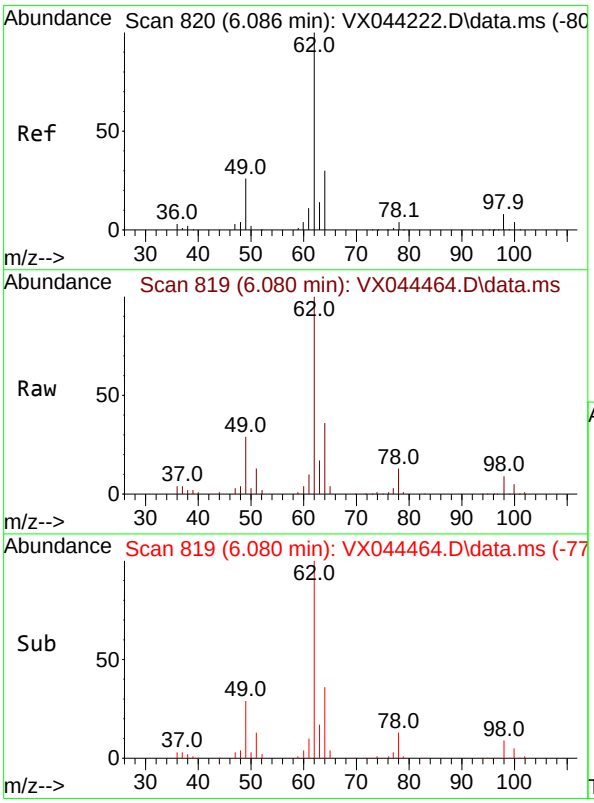

#41
Methacrylonitrile
Concen: 47.401 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 66592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.8 | 44.2 | 66.4 |
| 67 | 72.7 | 57.2 | 85.8 |
| 52 | 33.6 | 24.6 | 37.0 |

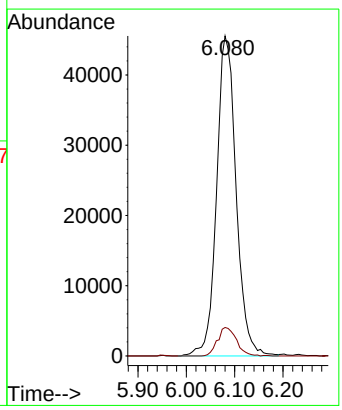


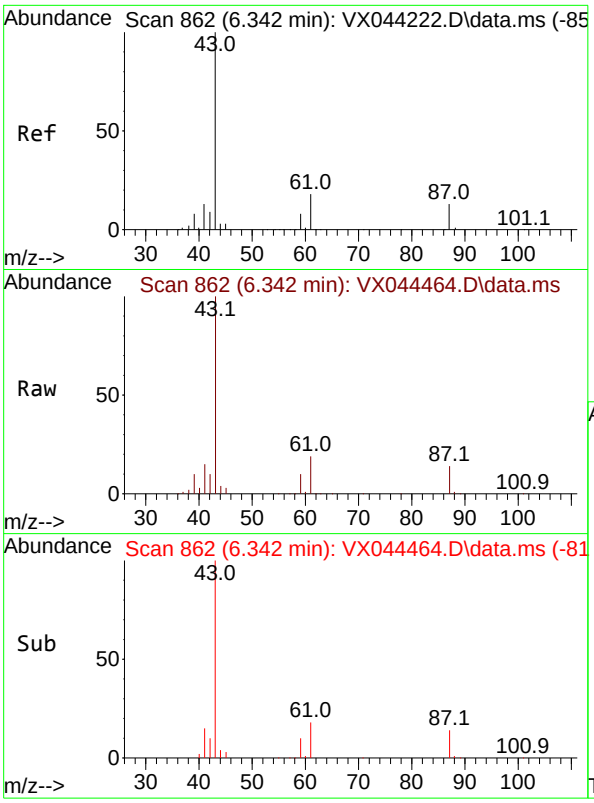




#42
1,2-Dichloroethane
Concen: 47.680 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 62 Resp: 127634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 15.8 |



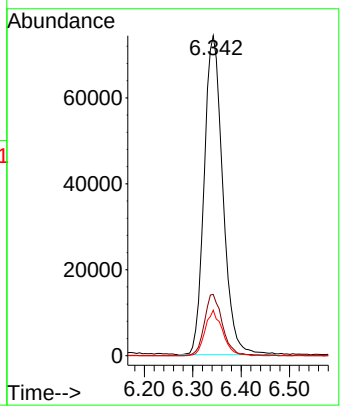


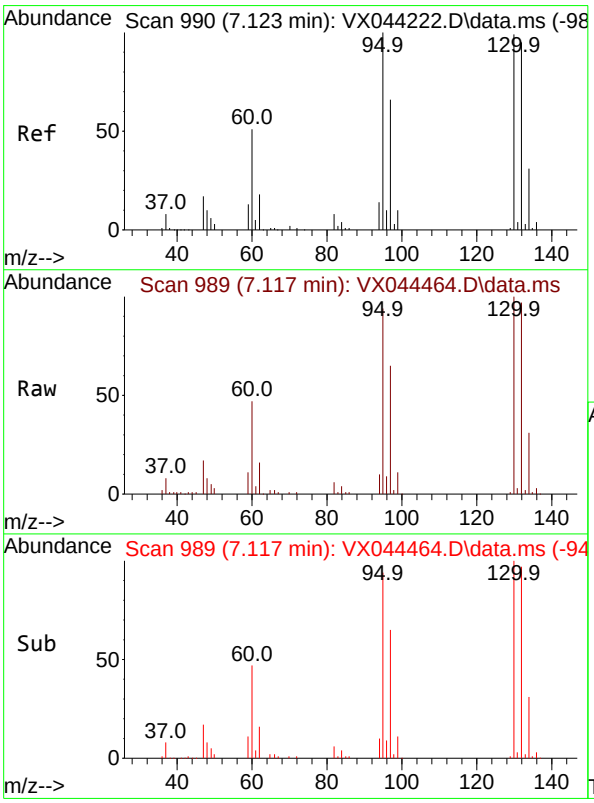

#43
Isopropyl Acetate
Concen: 48.047 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 198680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 14.2 | 21.2 |
| 87 | 13.3 | 10.2 | 15.2 |

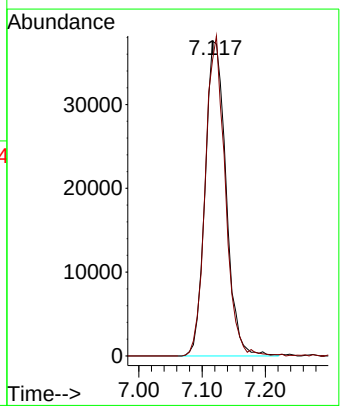


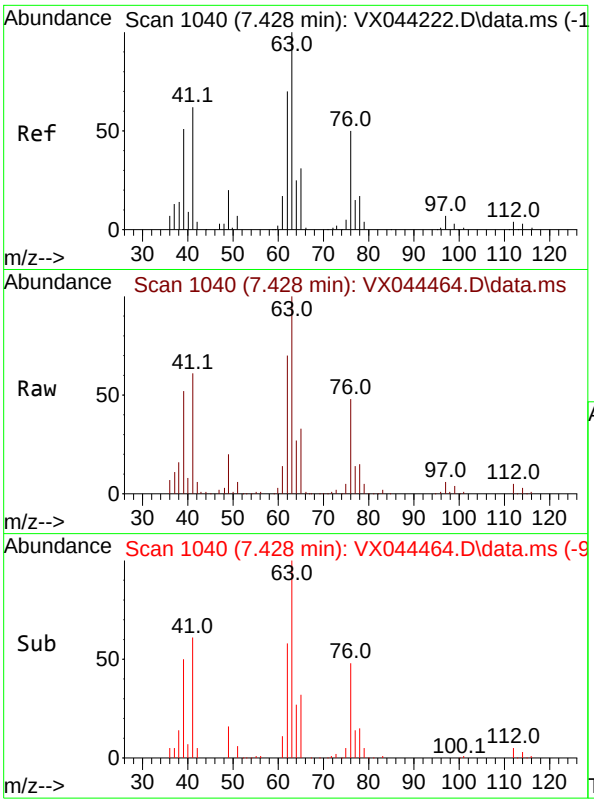




#44
Trichloroethene
Concen: 53.083 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:130 Resp: 86021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.1 | 0.0 | 201.4 |



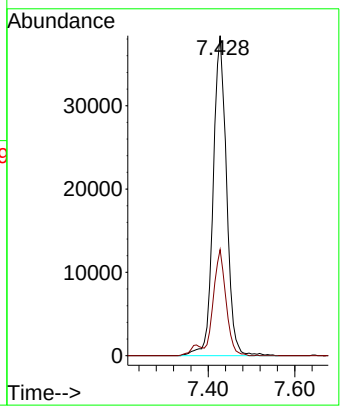


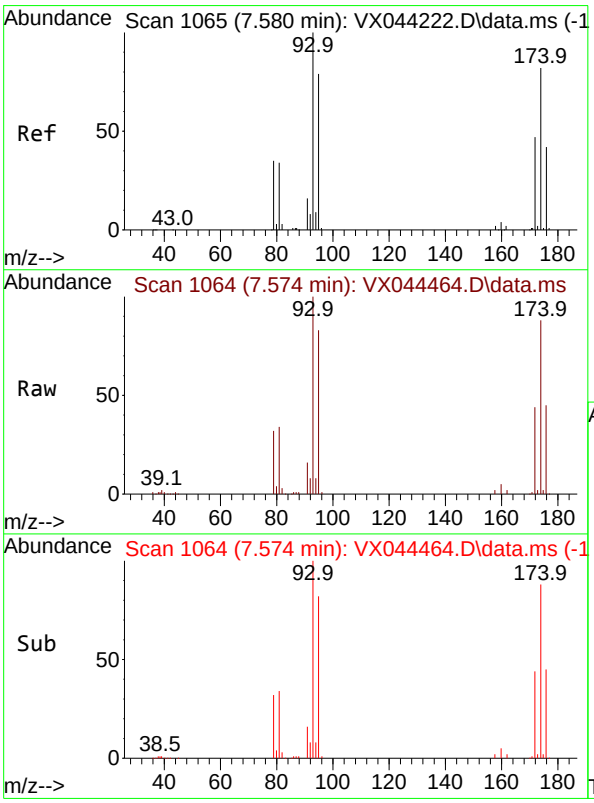

#45
1,2-Dichloropropane
Concen: 49.622 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 82383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.1 | 24.6 | 37.0 |

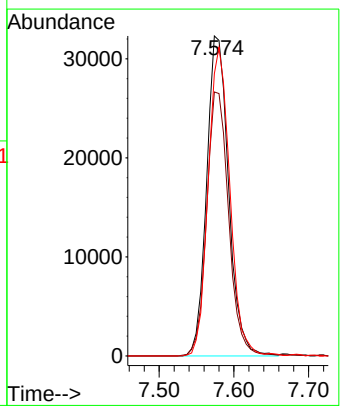


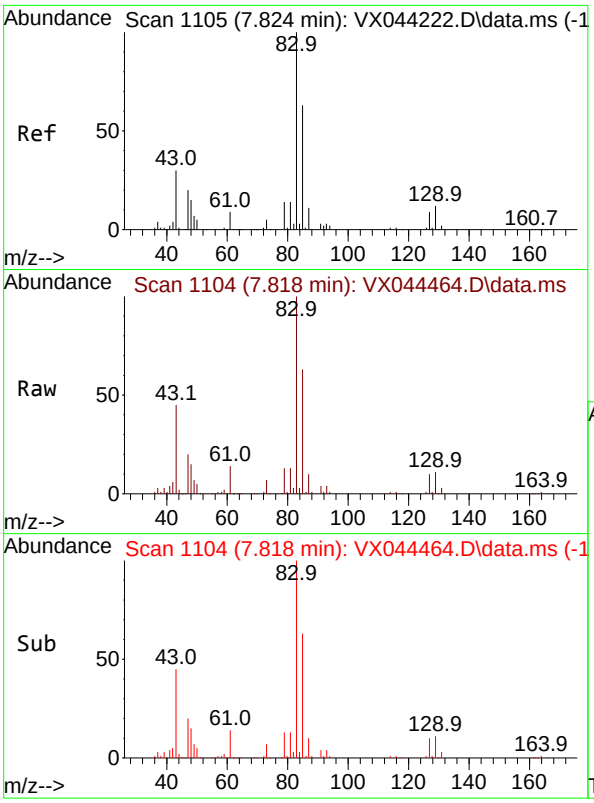




#46
Dibromomethane
Concen: 51.184 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 93 Resp: 65924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.6 | 65.4 | 98.2 |
| 174 | 95.5 | 67.9 | 101.9 |



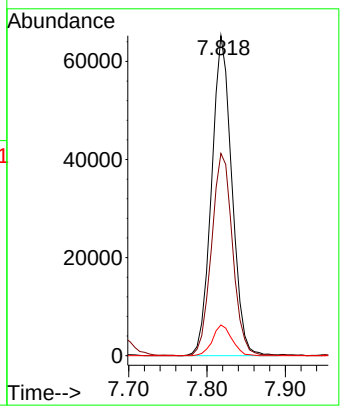


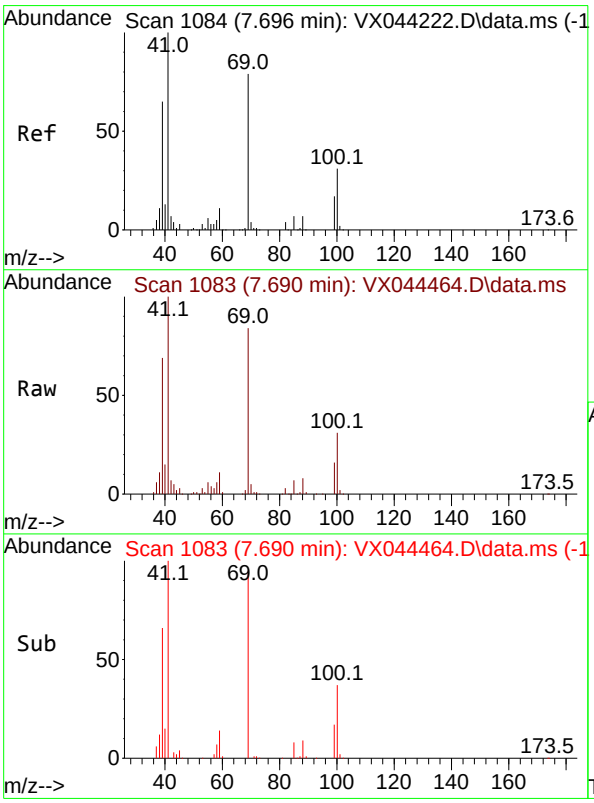

#47
Bromodichloromethane
Concen: 52.723 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 117278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 50.6 | 75.8 |
| 127 | 9.6 | 7.3 | 10.9 |

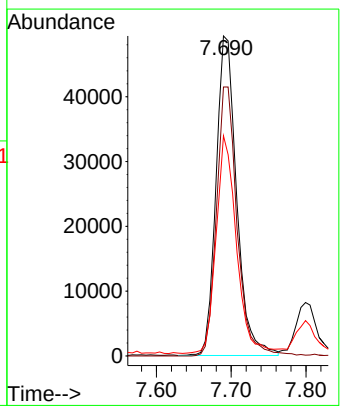


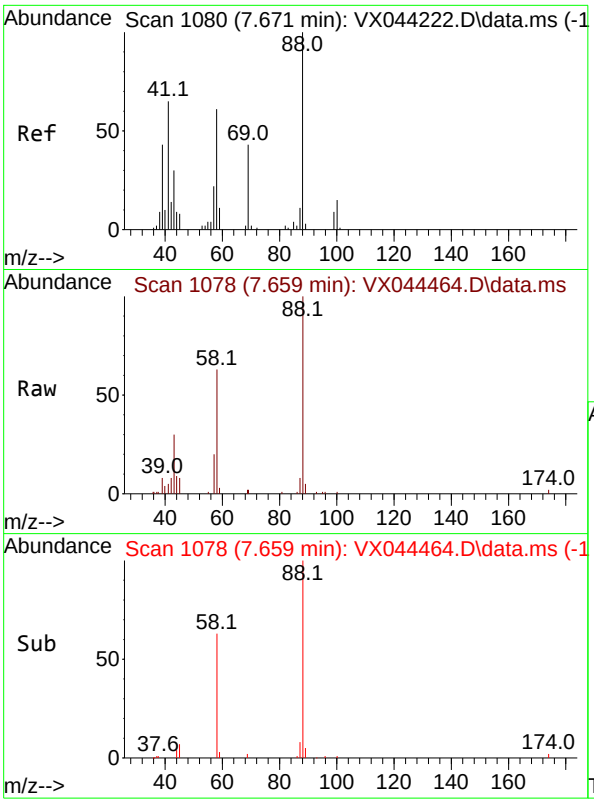




#48
Methyl methacrylate
Concen: 47.115 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 41 Resp: 94575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.6 | 62.4 | 93.6 |
| 39 | 66.9 | 53.3 | 79.9 |



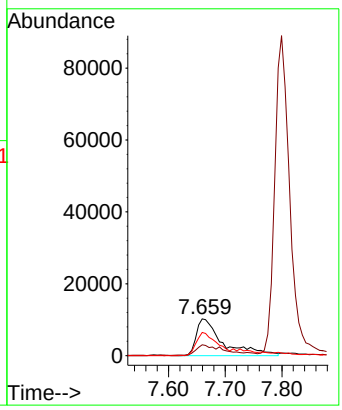


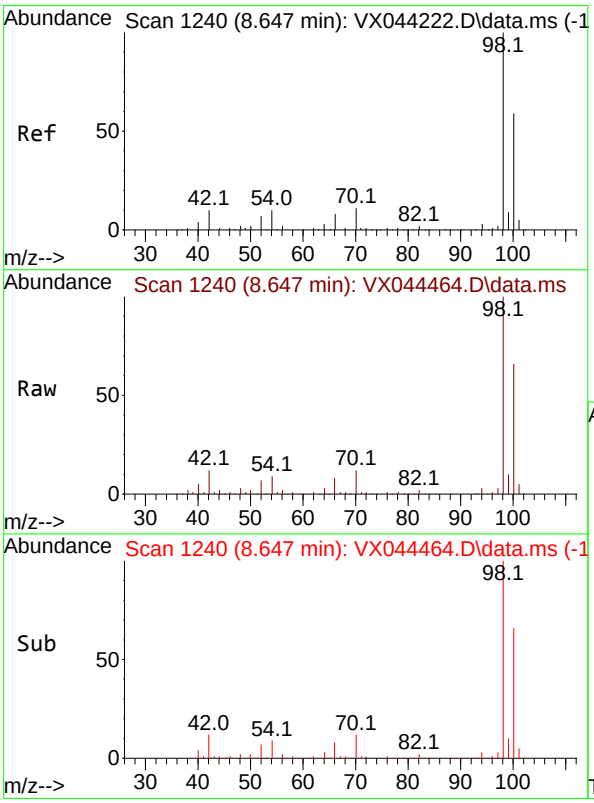

#49
1,4-Dioxane
Concen: 1003.530 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 33398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 27.8 | 27.1 | 40.7 |
| 58 | 48.6 | 41.0 | 61.4 |

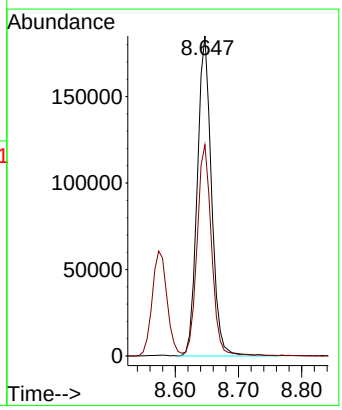


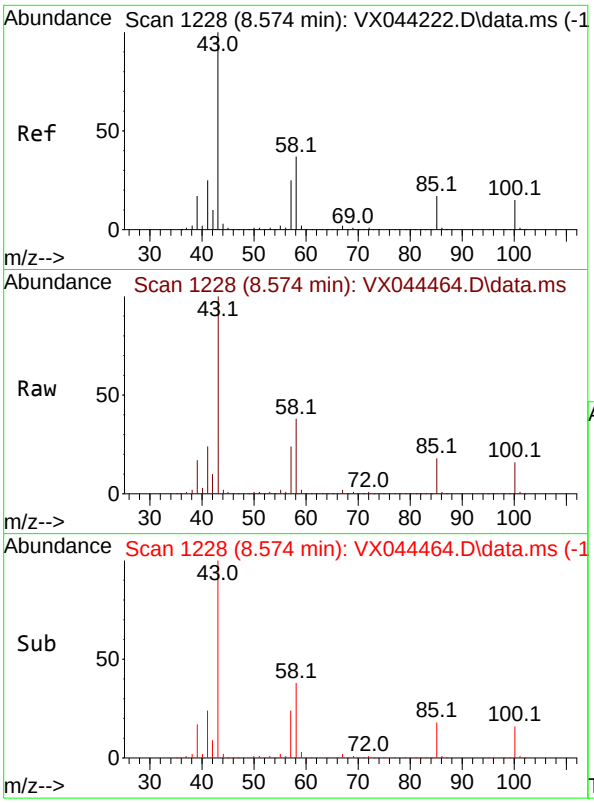




#50
Toluene-d8
Concen: 51.923 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 98 Resp: 290046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 51.5 | 77.3 |



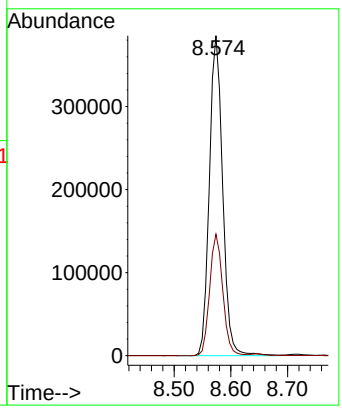


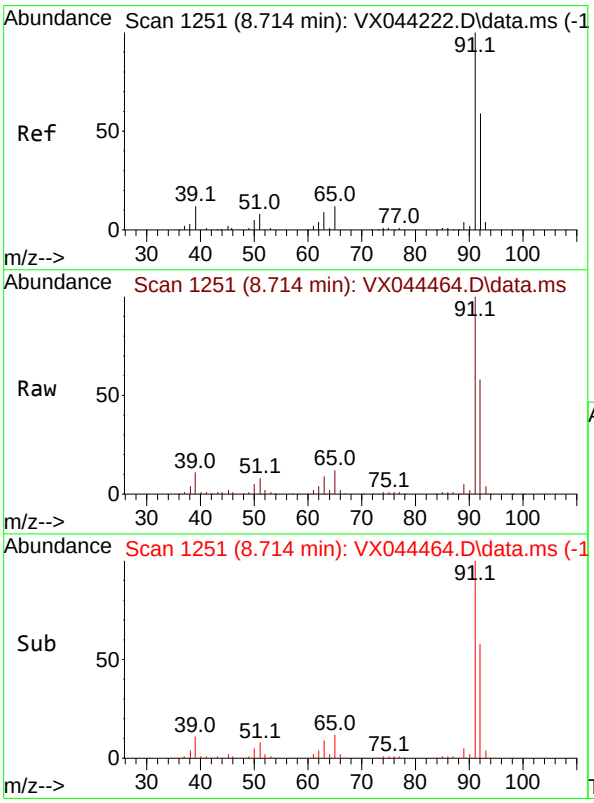

#51
4-Methyl-2-Pentanone
Concen: 235.413 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 625919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 29.4 | 44.0 |

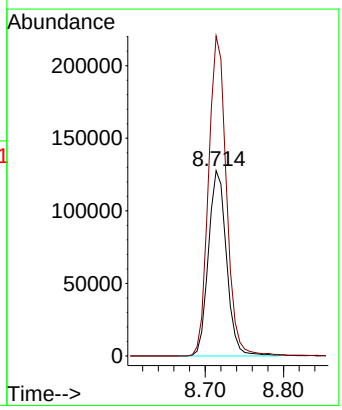


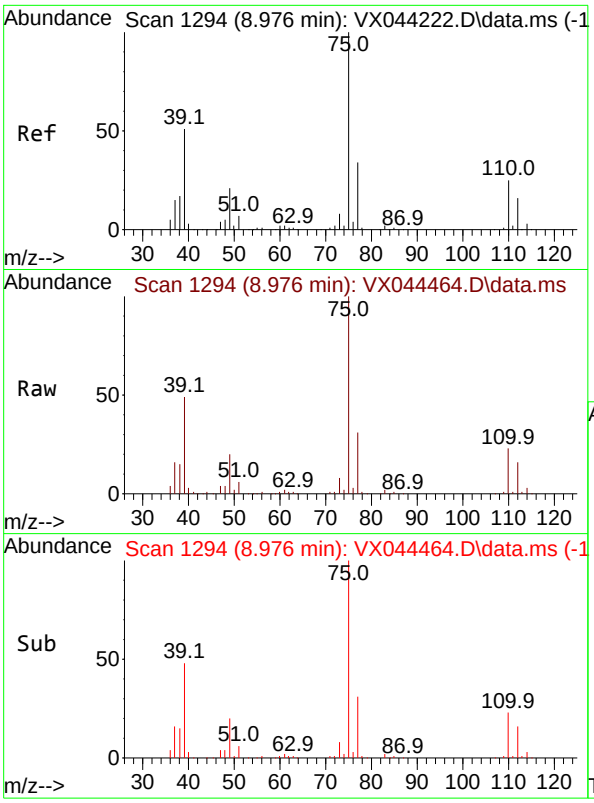




#52
Toluene
Concen: 50.071 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 92 Resp: 204328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.3 | 137.0 | 205.6 |



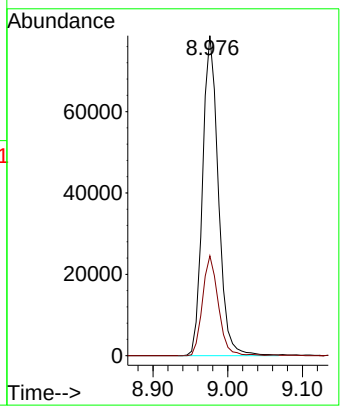


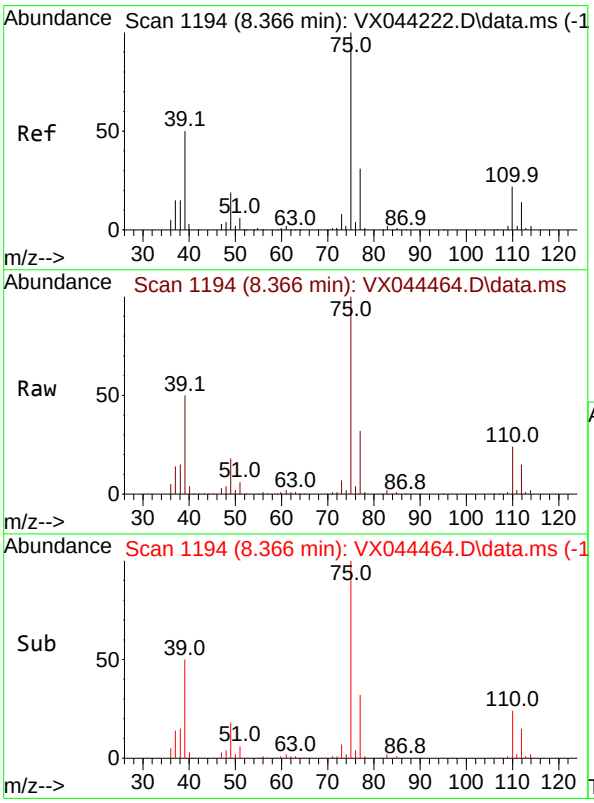

#53
t-1,3-Dichloropropene
Concen: 48.388 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 115268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 27.2 | 40.8 |

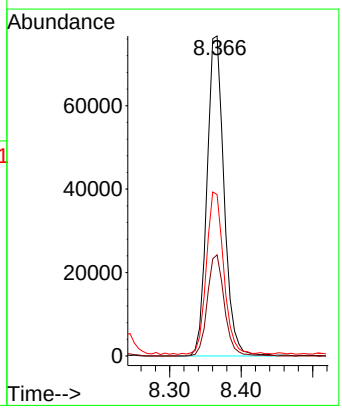


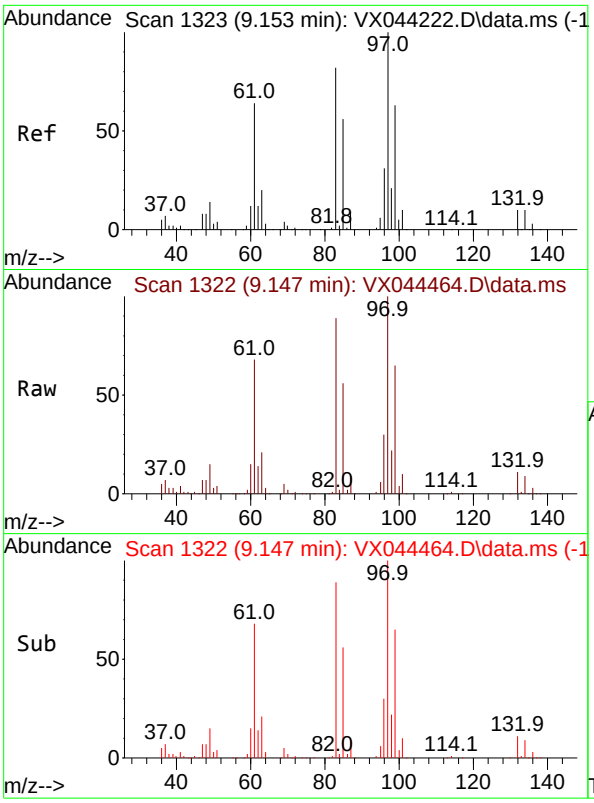




#54
cis-1,3-Dichloropropene
Concen: 52.437 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 127004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 24.7 | 37.1 |
| 39 | 50.0 | 40.3 | 60.5 |



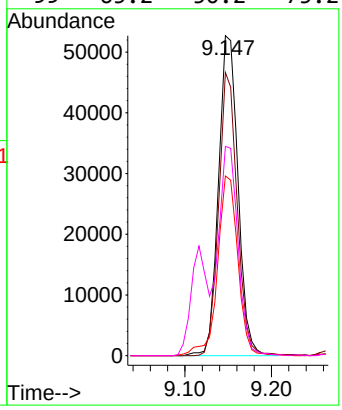


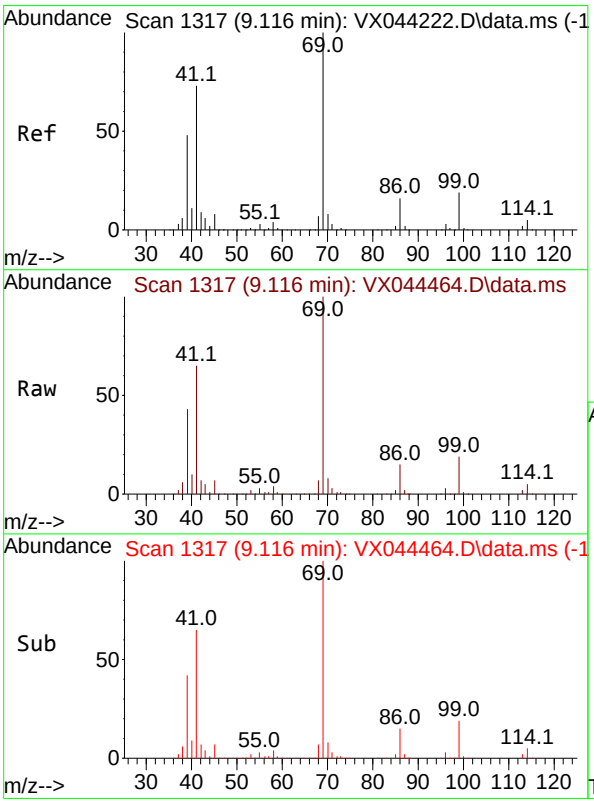

#55
1,1,2-Trichloroethane
Concen: 50.814 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 82378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.5 | 65.3 | 97.9 |
| 85 | 56.0 | 44.6 | 67.0 |
| 99 | 65.2 | 50.2 | 75.2 |

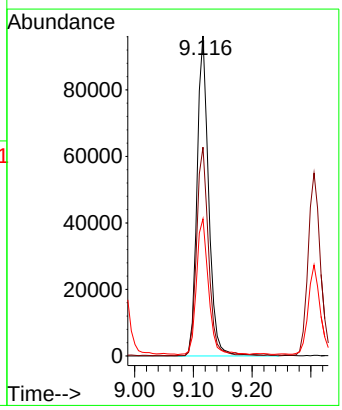


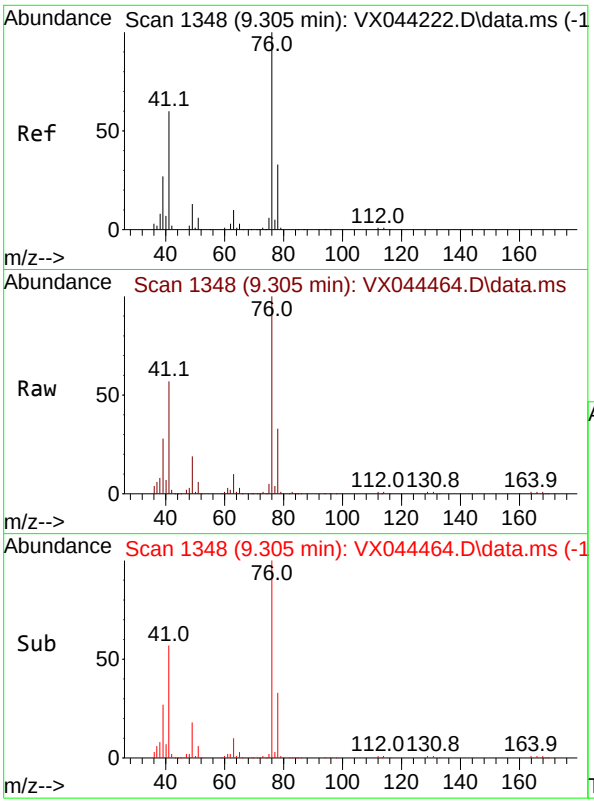




#56
Ethyl methacrylate
Concen: 51.516 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 69 Resp: 131845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 66.5 | 56.6 | 85.0 |
| 39 | 43.7 | 37.4 | 56.0 |



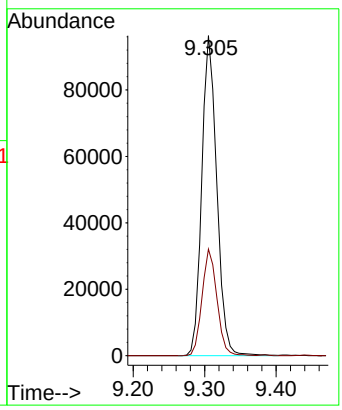


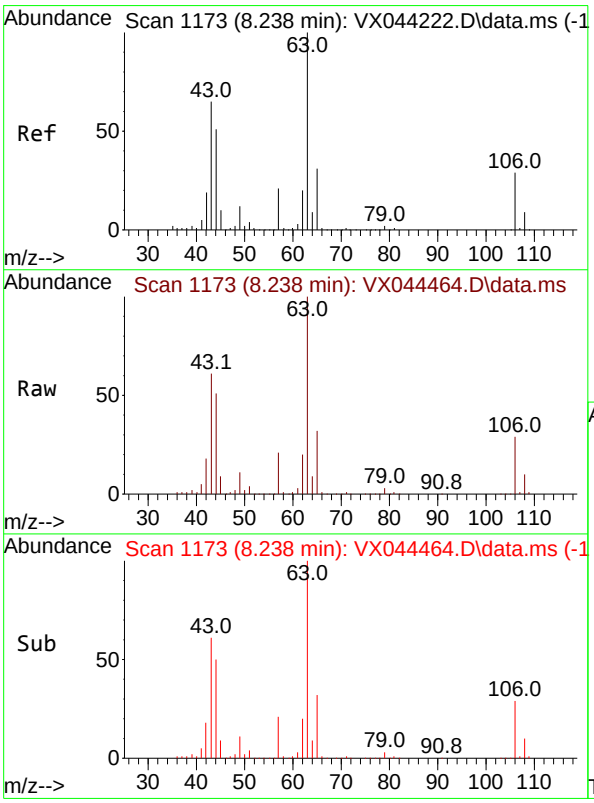

#57
1,3-Dichloropropane
Concen: 49.799 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 140522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.0 | 26.5 | 39.7 |

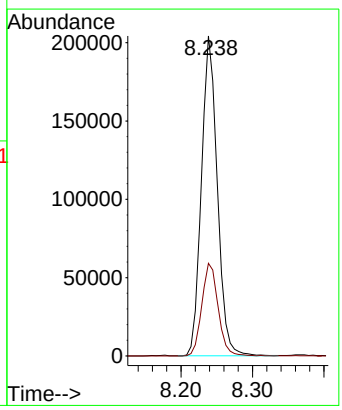


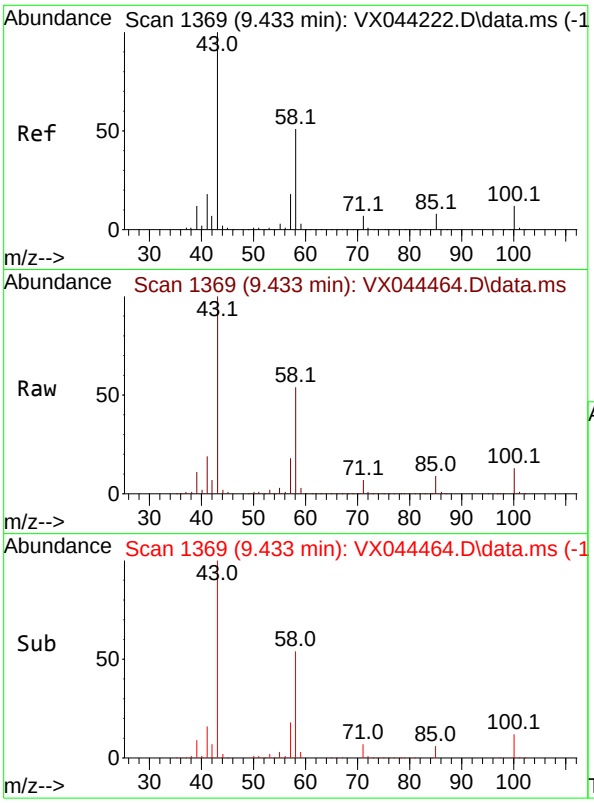




#58
2-Chloroethyl Vinyl ether
Concen: 243.652 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 63 Resp: 314516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.8 | 22.8 | 34.2 |



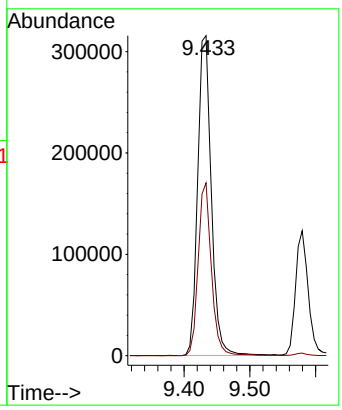


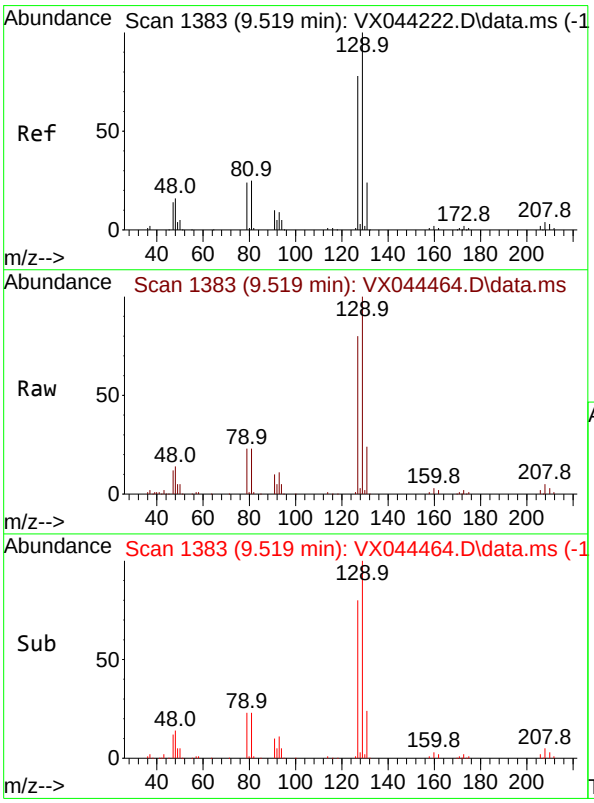

#59
2-Hexanone
Concen: 236.376 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 454909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.3 | 25.7 | 77.0 |

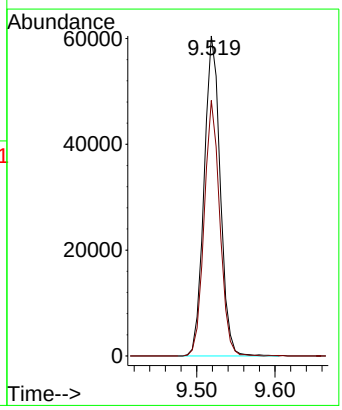


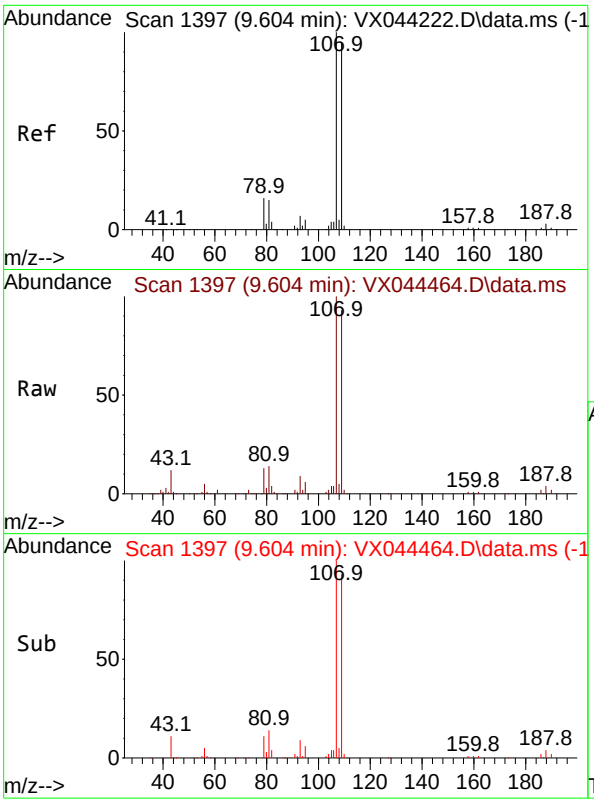




#60
Dibromochloromethane
Concen: 50.206 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:129 Resp: 86219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.4 | 38.5 | 115.3 |



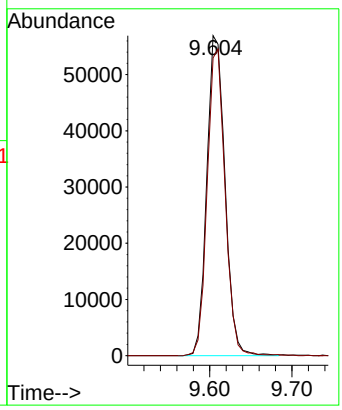


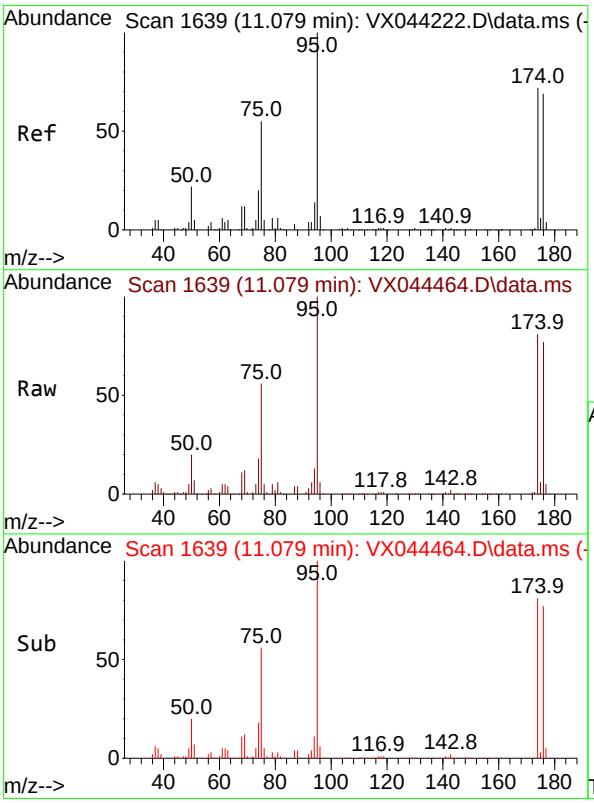

#61
1,2-Dibromoethane
Concen: 53.053 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 87547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.1 | 77.0 | 115.4 |

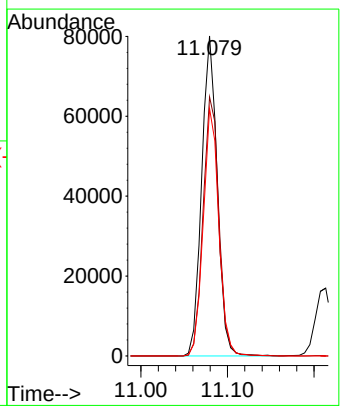


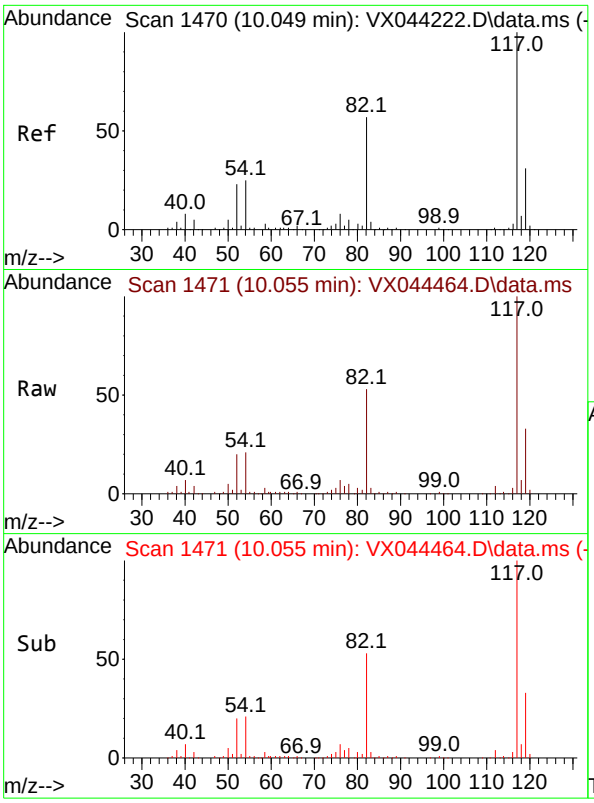




#62
4-Bromofluorobenzene
Concen: 51.161 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 95 Resp: 99862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.0 | 0.0 | 145.8 |
| 176 | 77.6 | 0.0 | 137.8 |



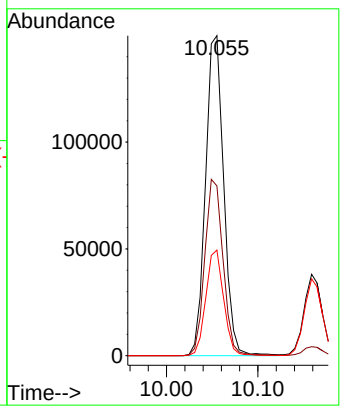


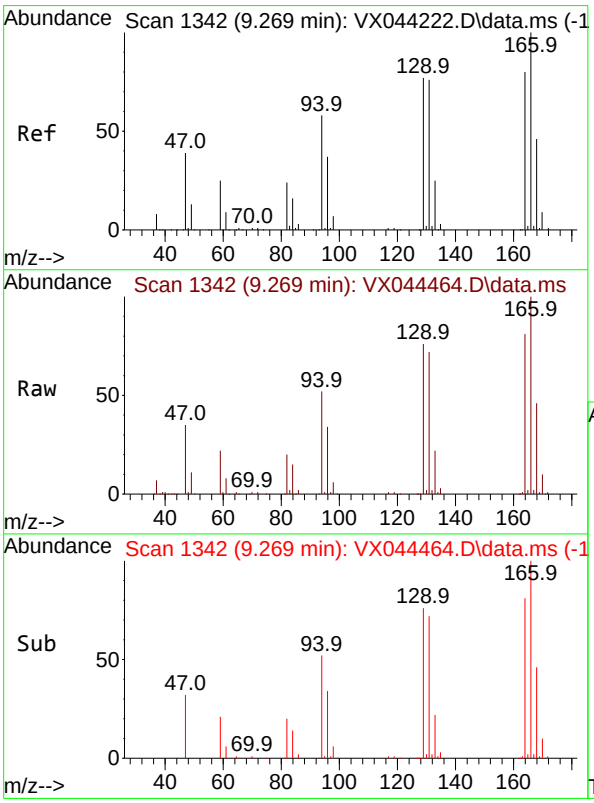

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 206477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 45.8 | 68.8 |
| 119 | 33.0 | 25.0 | 37.4 |

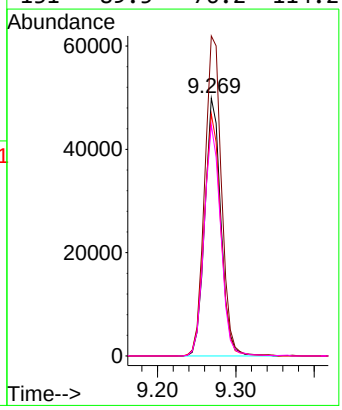


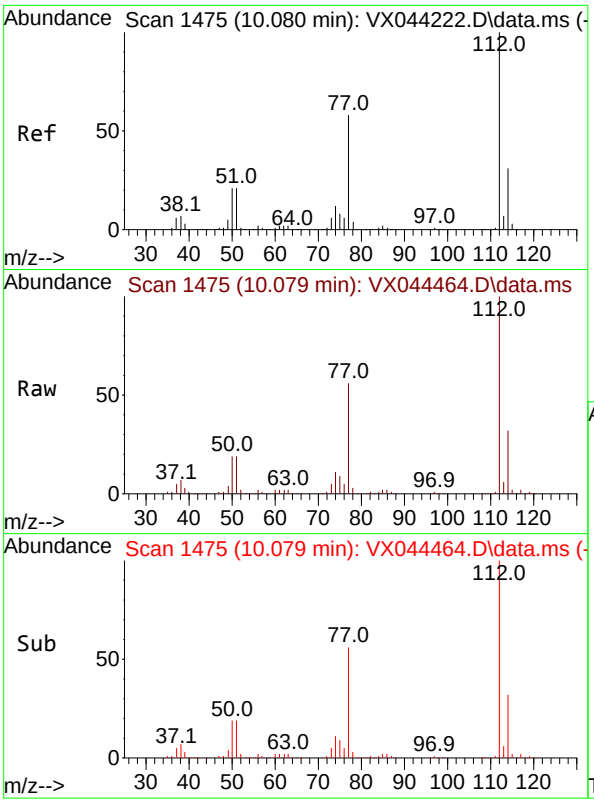




#64
Tetrachloroethene
Concen: 51.727 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:164 Resp: 70888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.1 | 100.4 | 150.6 |
| 129 | 93.8 | 77.2 | 115.8 |
| 131 | 89.5 | 76.2 | 114.2 |



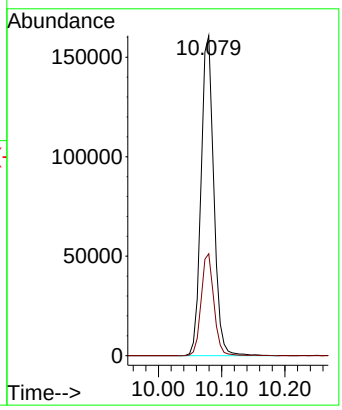


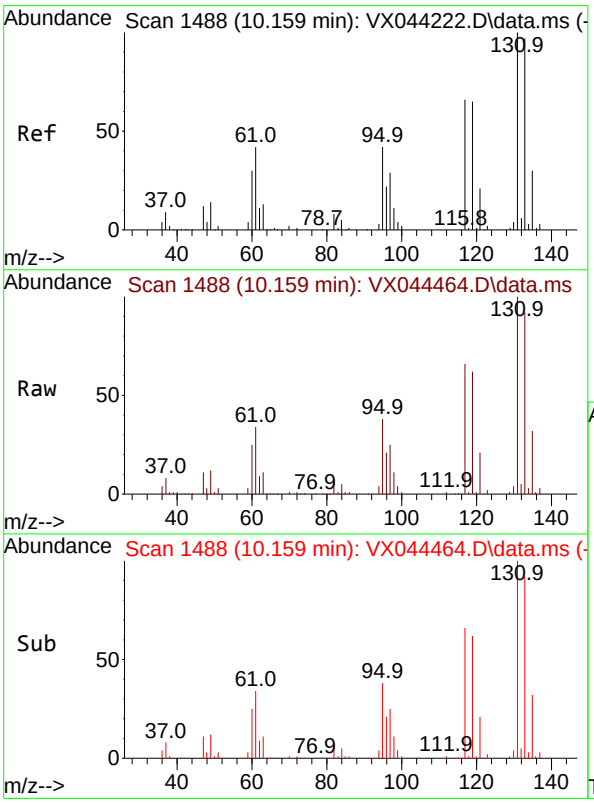

#65
Chlorobenzene
Concen: 51.056 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 225888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 25.0 | 37.6 |

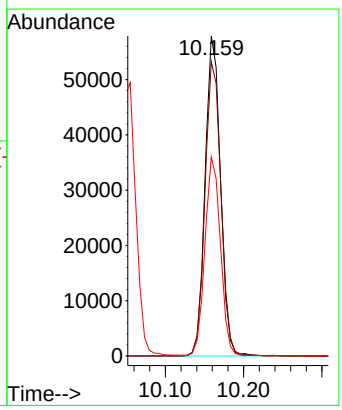


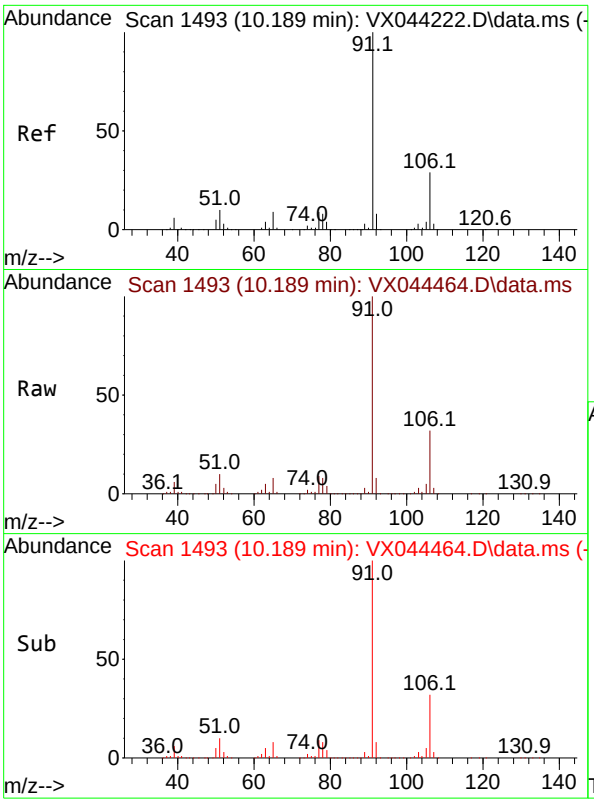




#66
1,1,1,2-Tetrachloroethane
Concen: 55.601 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:131 Resp: 79060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.3 | 47.3 | 141.8 |
| 119 | 62.0 | 31.6 | 95.0 |



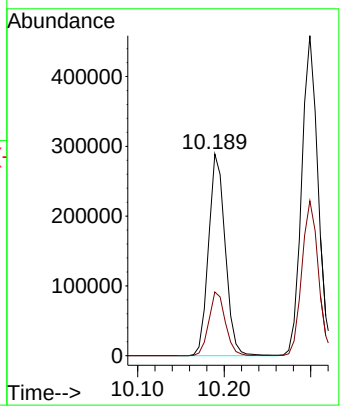


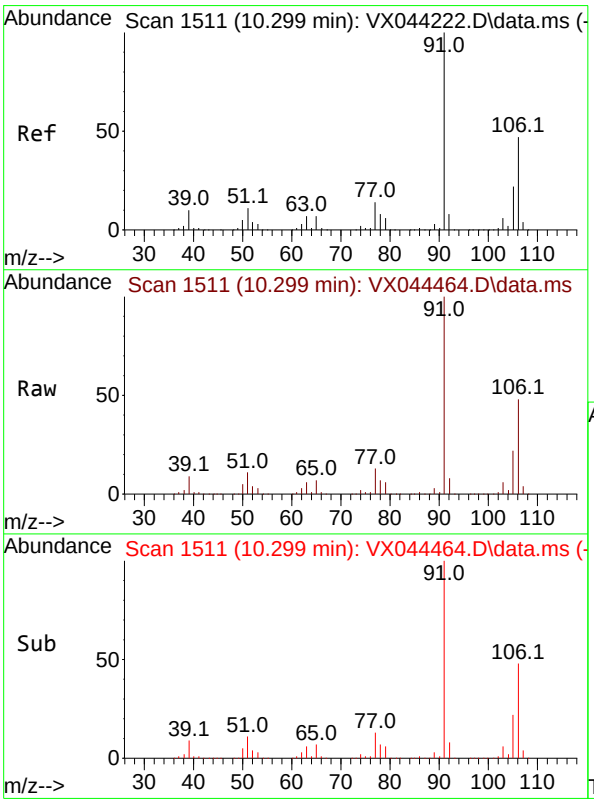

#67
Ethyl Benzene
Concen: 50.462 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 385756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.6 | 23.5 | 35.3 |

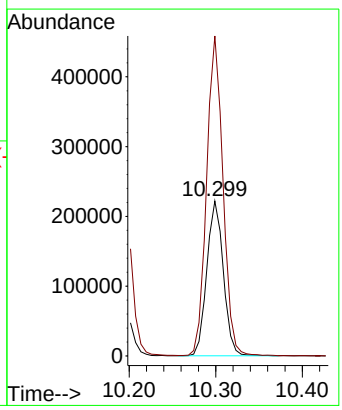


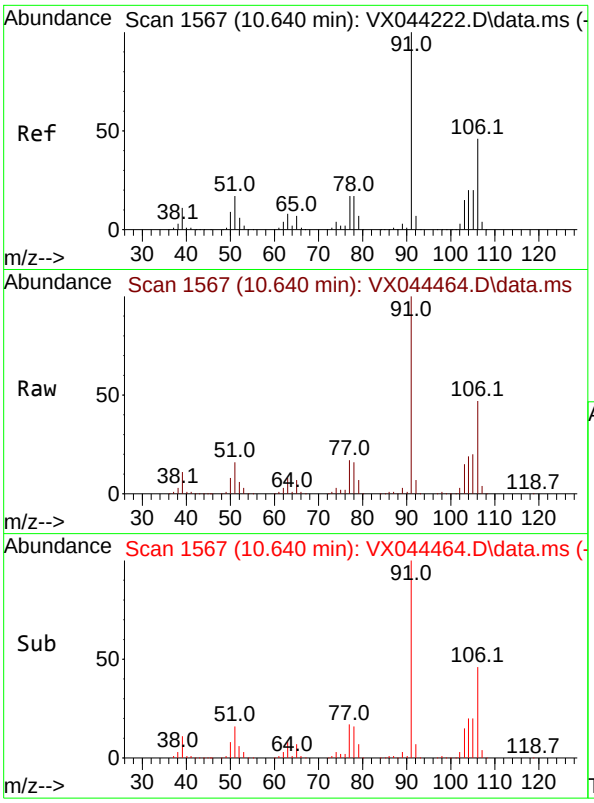




#68
m/p-Xylenes
Concen: 105.028 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:106 Resp: 294612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.2 | 170.2 | 255.2 |



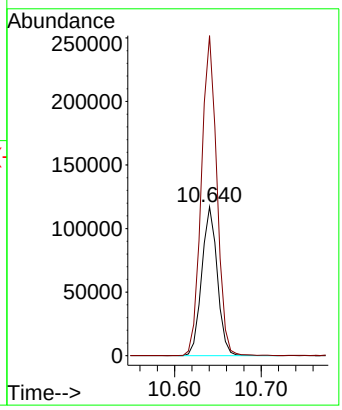


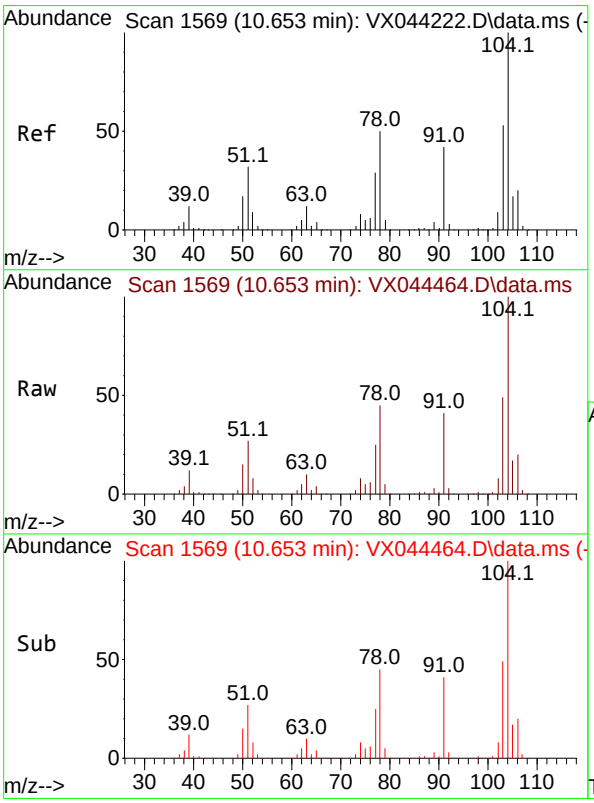

#69
o-Xylene
Concen: 51.494 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 146149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.9 | 112.3 | 337.0 |

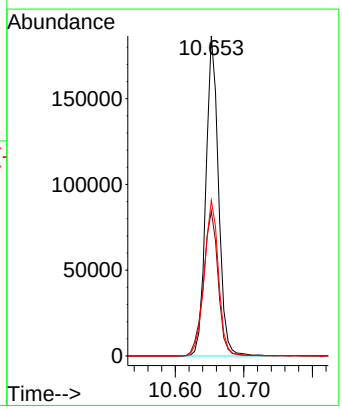


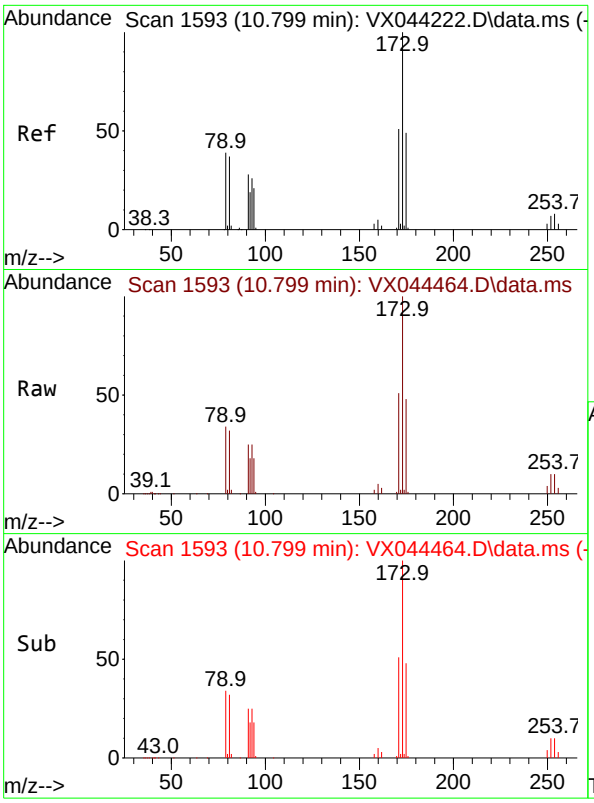




#70
Styrene
Concen: 52.761 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:104 Resp: 240058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 44.6 | 67.0 |
| 103 | 55.0 | 45.4 | 68.0 |



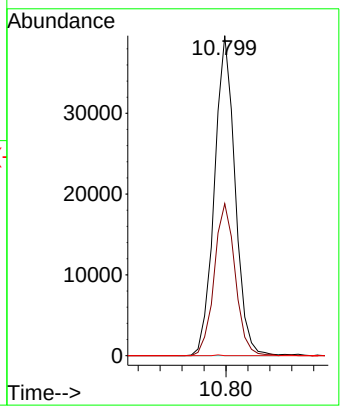


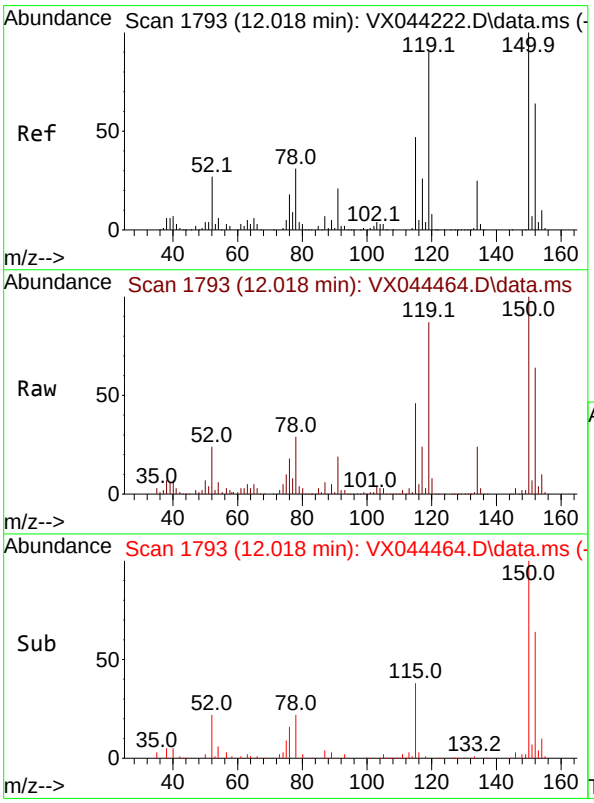

#71
Bromoform
Concen: 51.900 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 51823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 23.8 | 71.4 |
| 254 | 0.1 | 0.0 | 0.0# |

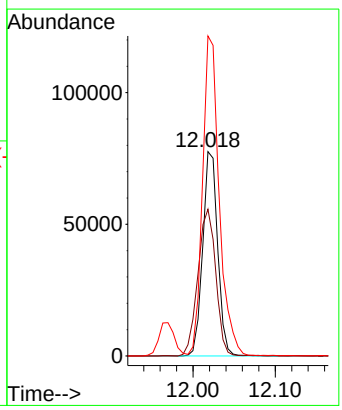


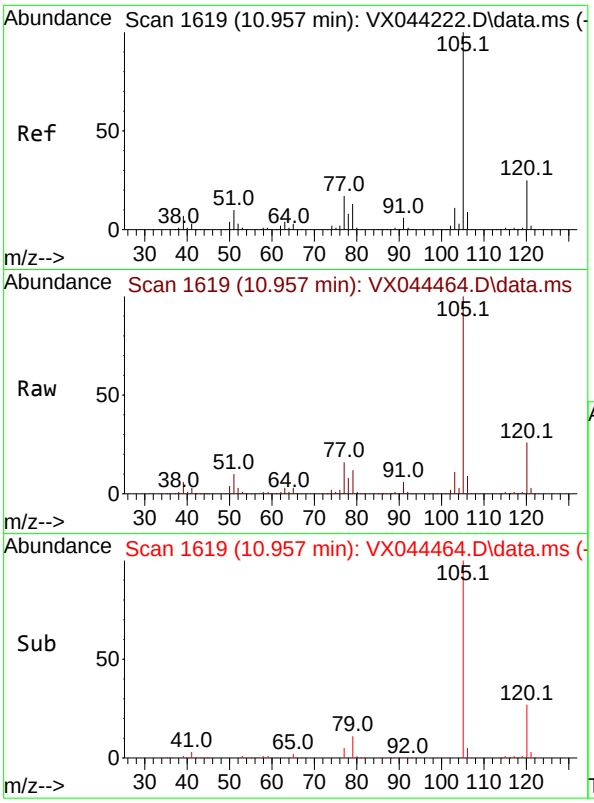




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:152 Resp: 97831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.4 | 44.5 | 133.3 |
| 150 | 174.4 | 0.0 | 353.8 |



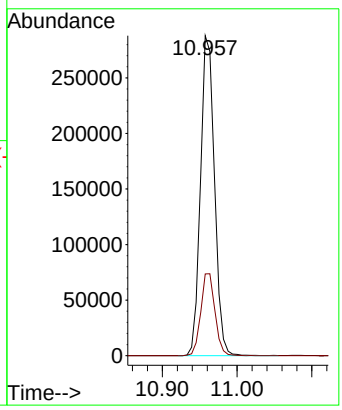


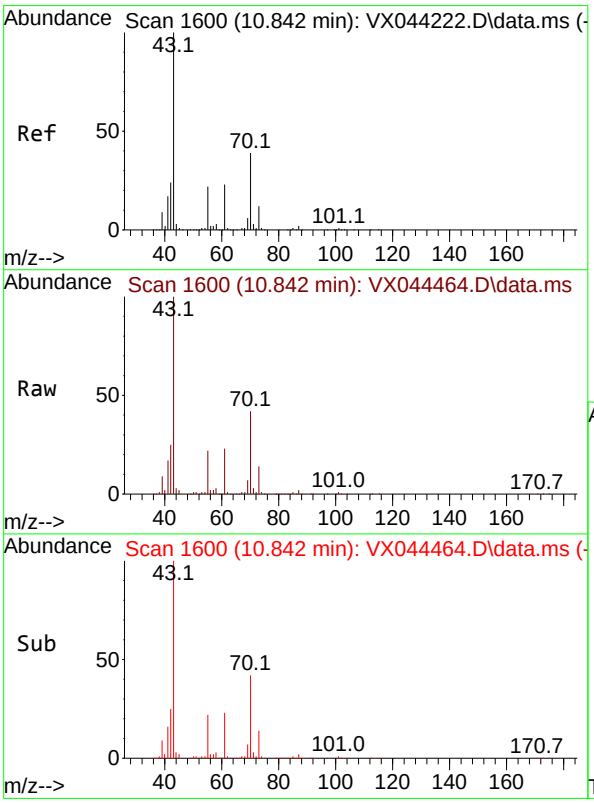

#73
Isopropylbenzene
Concen: 50.011 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 374548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.1 | 39.3 |

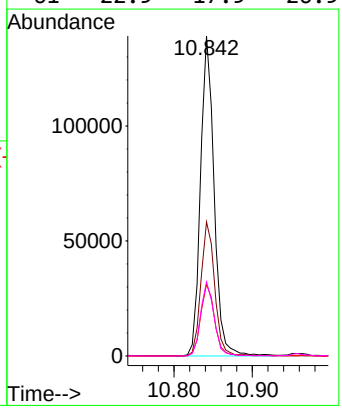


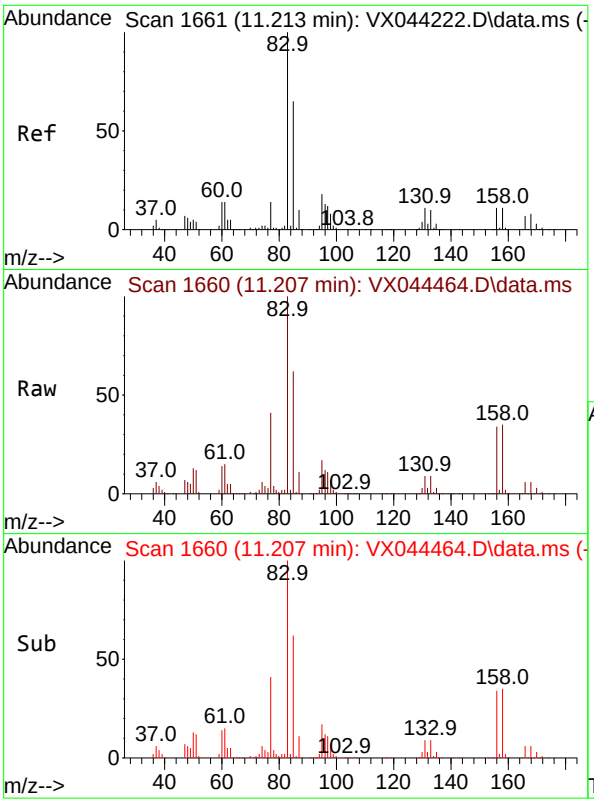




#74
N-amyl acetate
Concen: 48.576 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 43 Resp: 168135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.4 | 31.9 | 47.9 |
| 55 | 22.9 | 17.9 | 26.9 |
| 61 | 22.9 | 17.9 | 26.9 |



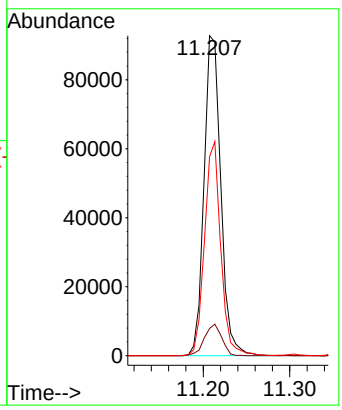


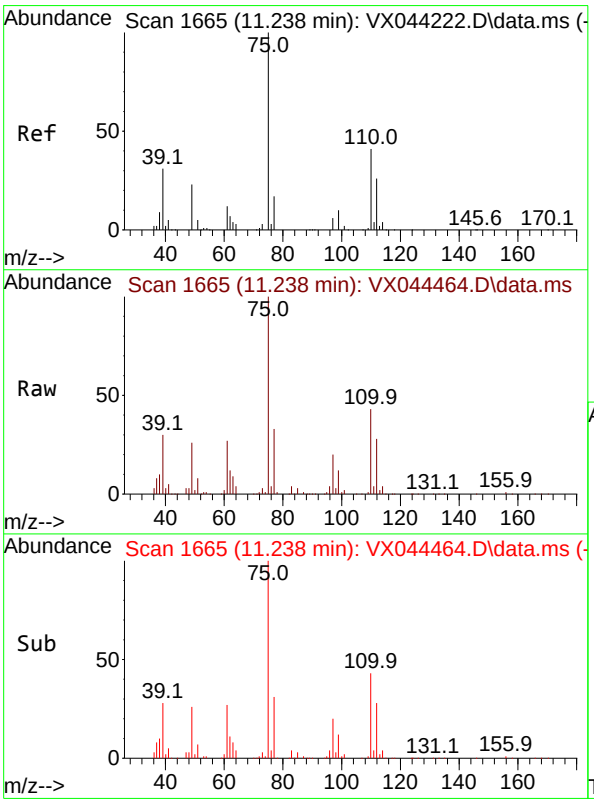

#75
1,1,2,2-Tetrachloroethane
Concen: 48.065 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 125030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.4 |
| 85 | 64.6 | 32.5 | 97.4 |

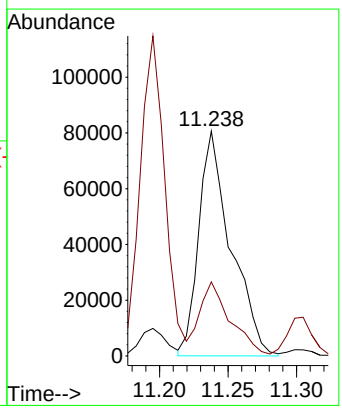


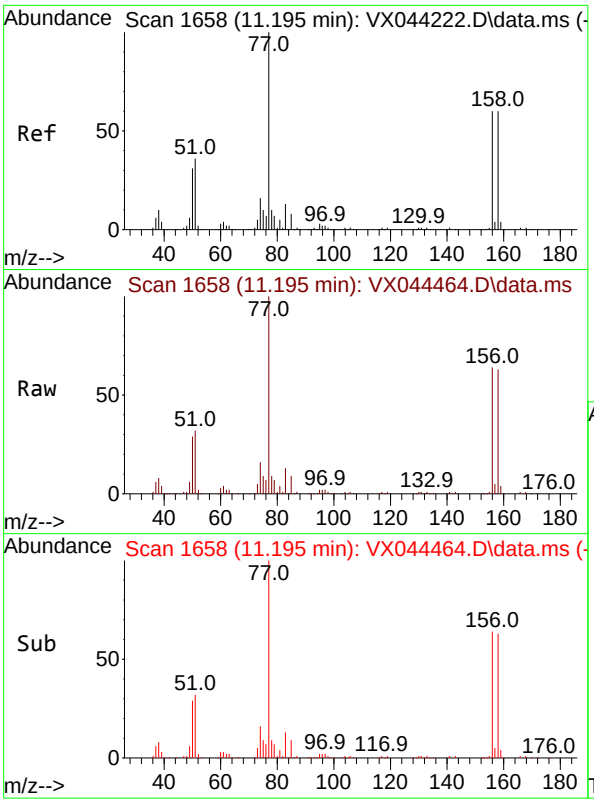




#76
1,2,3-Trichloropropane
Concen: 60.417 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 131971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 20.9 | 62.7 |



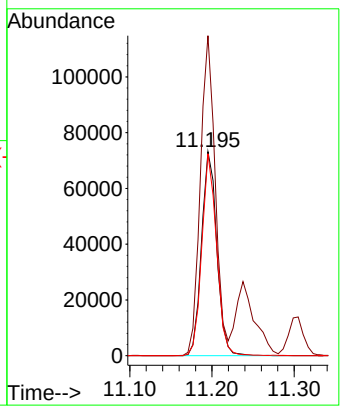


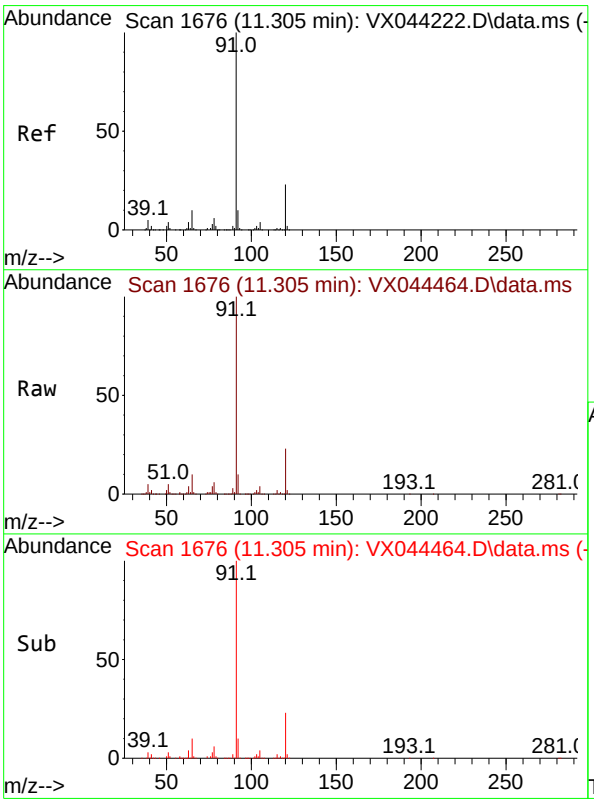

#77
Bromobenzene
Concen: 51.903 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 94262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 153.3 | 82.6 | 247.8 |
| 158 | 95.8 | 48.8 | 146.4 |

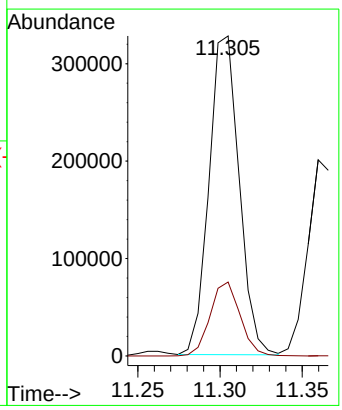


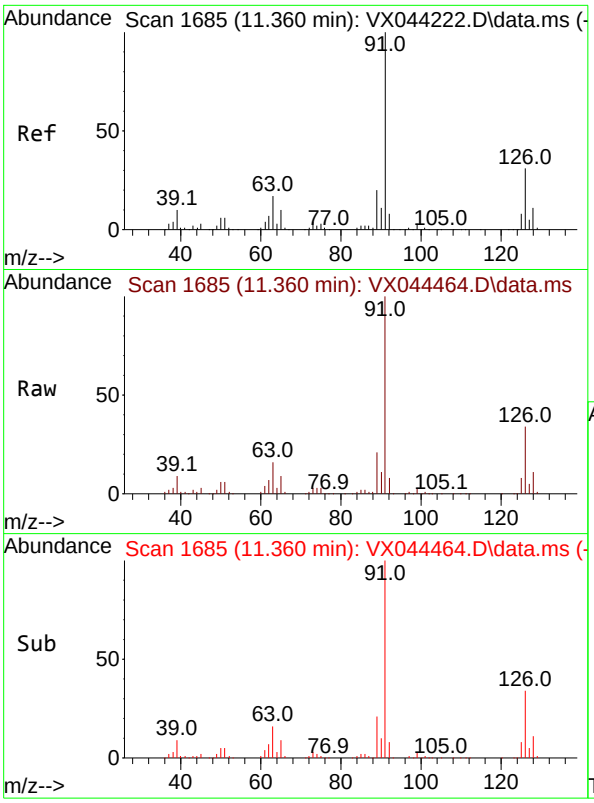




#78
n-propylbenzene
Concen: 50.432 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 91 Resp: 417465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.1 | 11.0 | 33.0 |



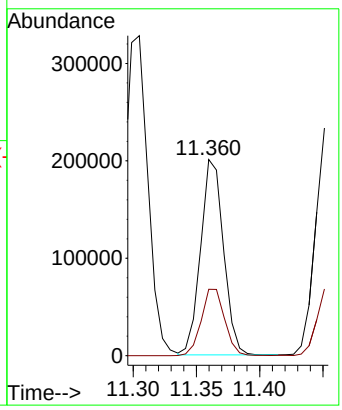


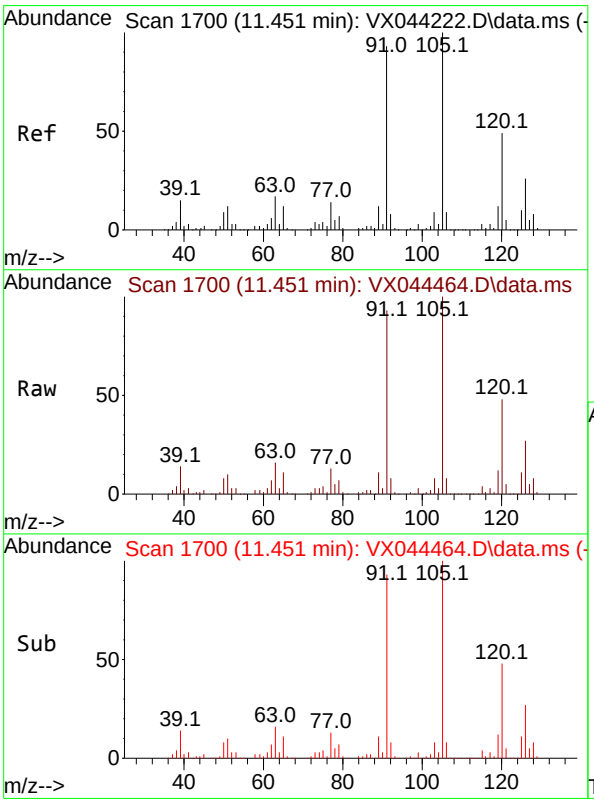

#79
2-Chlorotoluene
Concen: 47.285 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 253139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.9 | 16.4 | 49.1 |

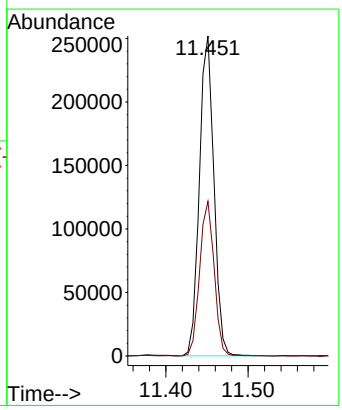


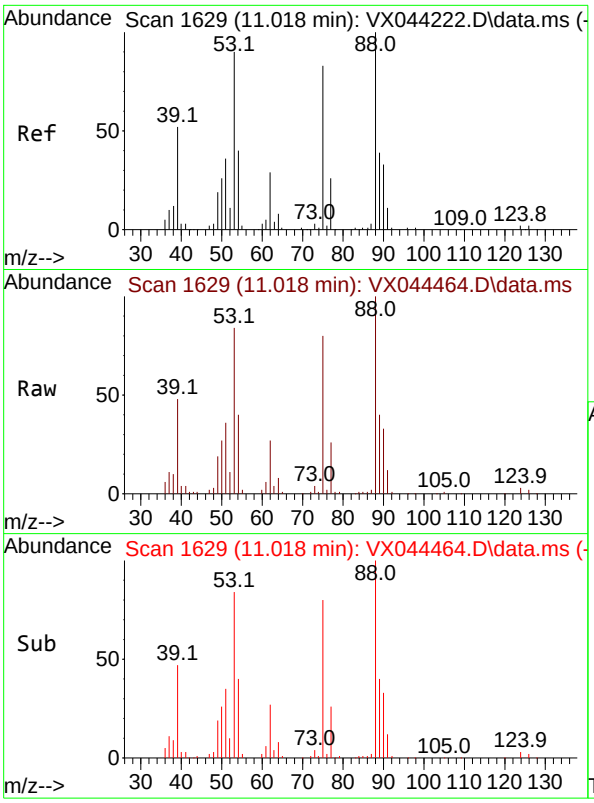




#80
1,3,5-Trimethylbenzene
Concen: 49.787 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:105 Resp: 309218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 23.8 | 71.4 |



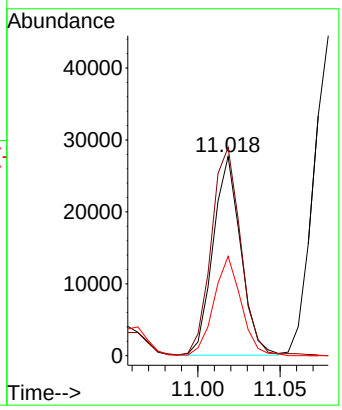


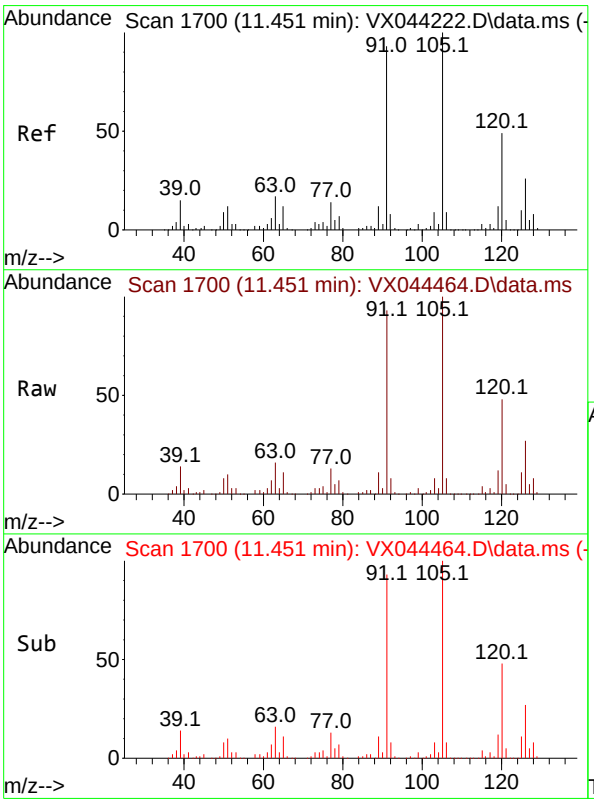

#81
trans-1,4-Dichloro-2-butene
Concen: 43.348 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 32407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 111.6 | 93.6 | 140.4 |
| 89 | 49.1 | 37.3 | 55.9 |

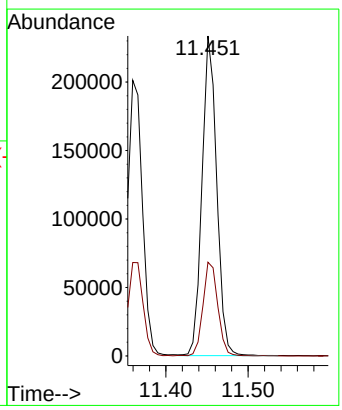


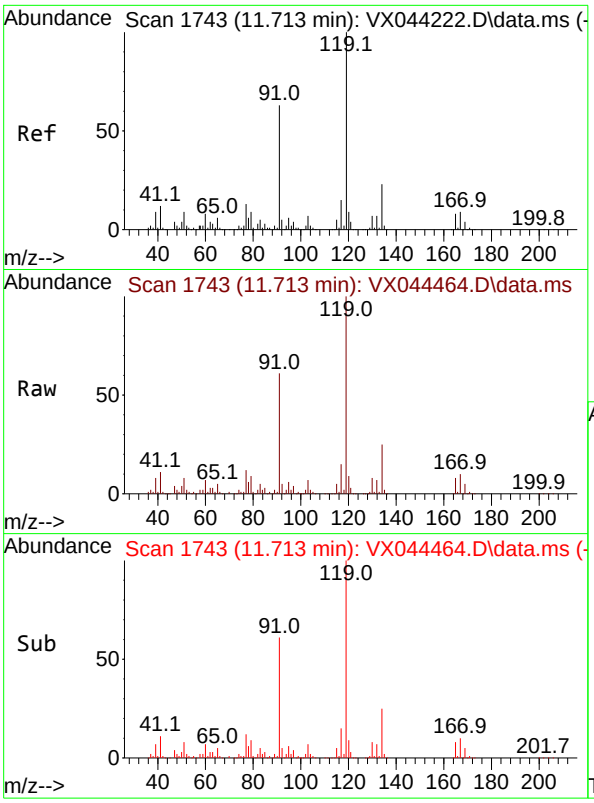




#82
4-Chlorotoluene
Concen: 48.802 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 91 Resp: 289306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.8 | 14.5 | 43.5 |



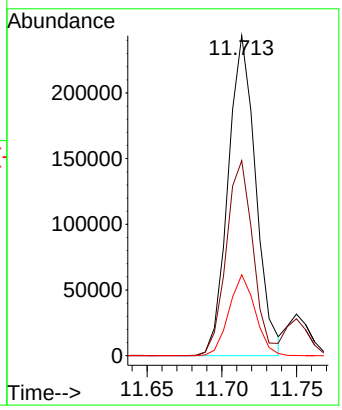


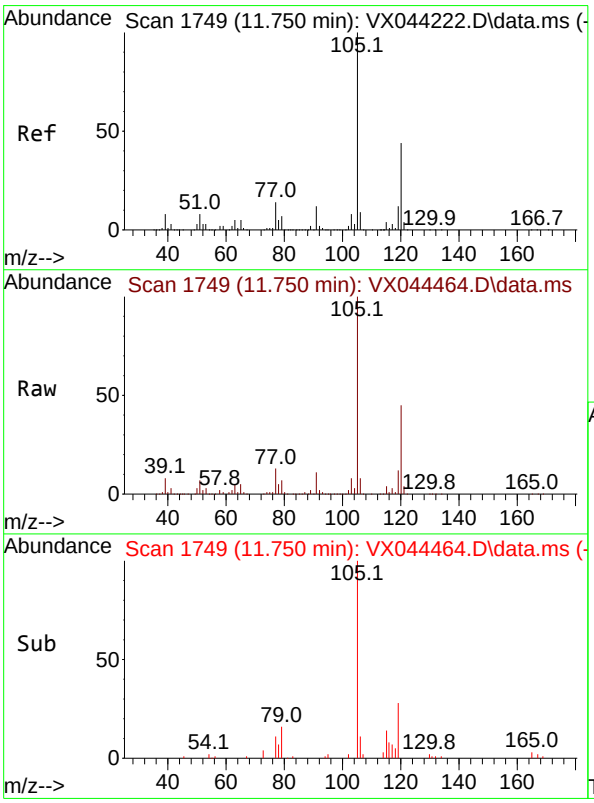

#83
tert-Butylbenzene
Concen: 50.950 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 312731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.8 | 30.9 | 92.5 |
| 134 | 24.1 | 11.5 | 34.4 |

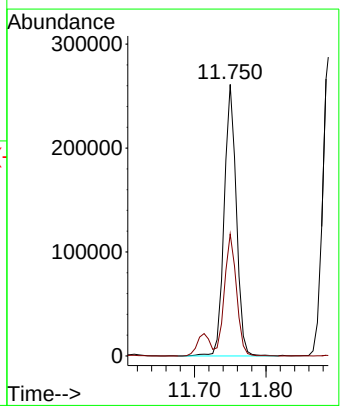


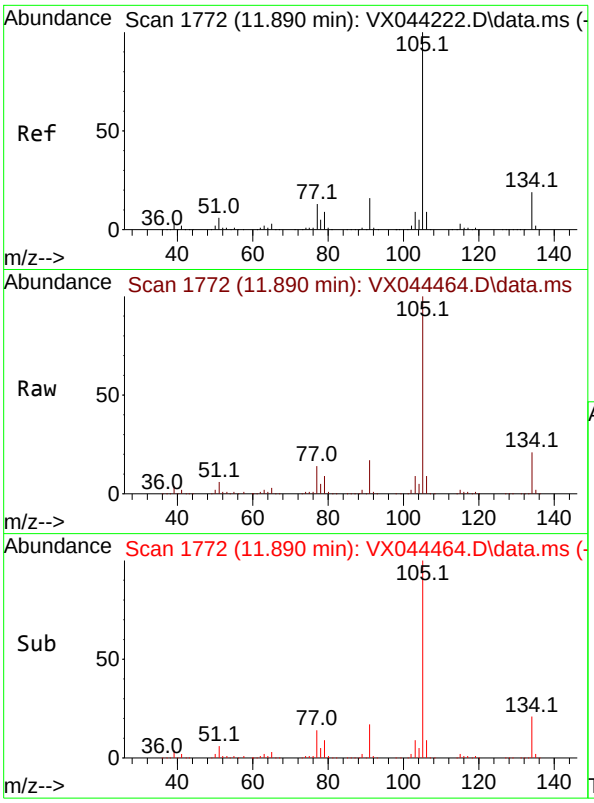




#84
1,2,4-Trimethylbenzene
Concen: 50.564 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:105 Resp: 308415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 21.7 | 65.1 |



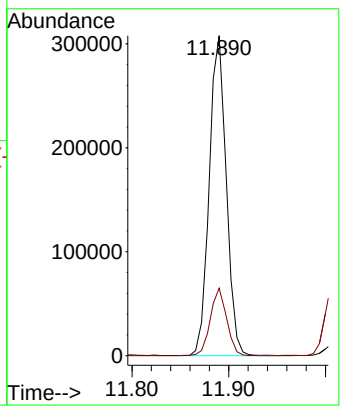


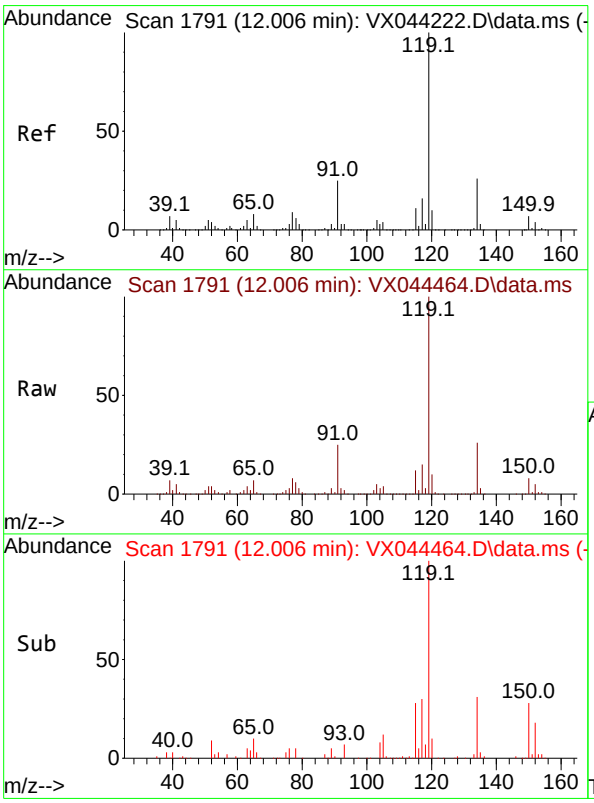

#85
sec-Butylbenzene
Concen: 50.546 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 376639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 9.8 | 29.4 |

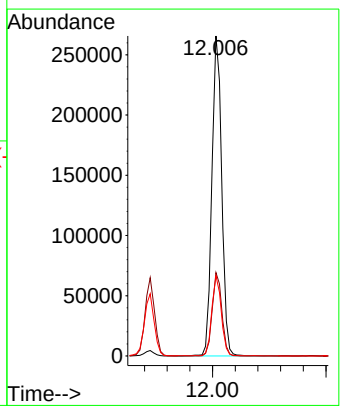


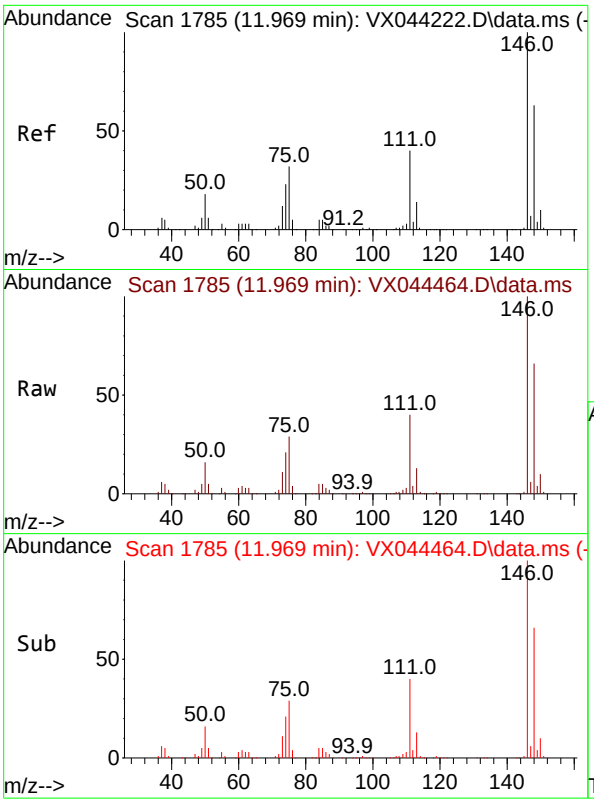




#86
p-Isopropyltoluene
Concen: 51.504 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:119 Resp: 319422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 12.8 | 38.4 |
| 91 | 24.1 | 13.0 | 39.0 |



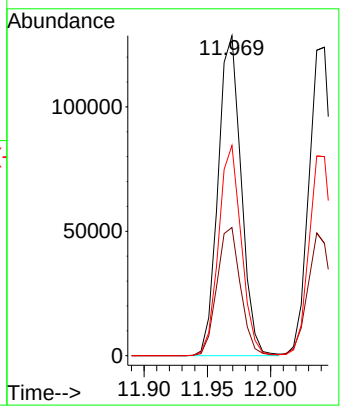


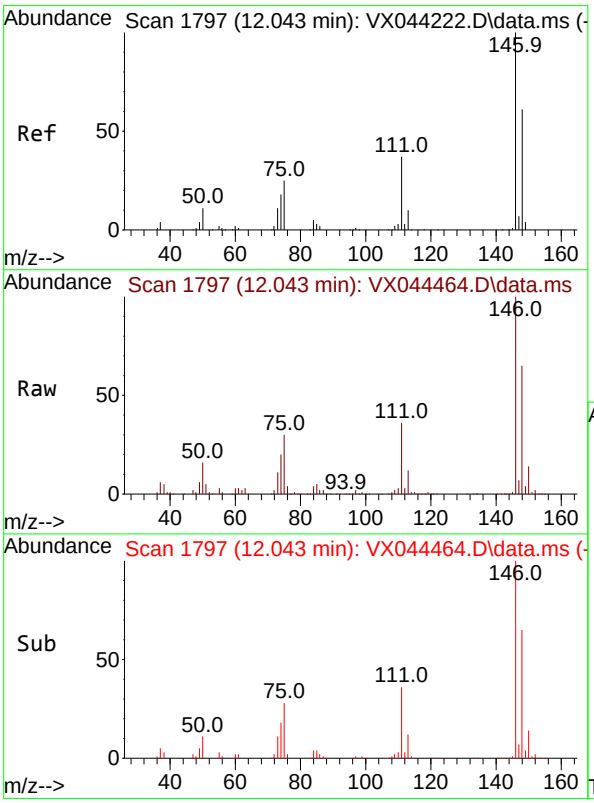

#87
1,3-Dichlorobenzene
Concen: 51.480 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 163311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 21.4 | 64.2 |
| 148 | 64.7 | 31.7 | 95.1 |

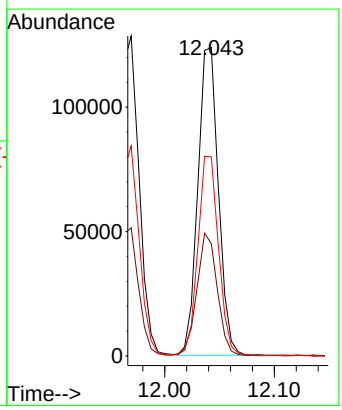


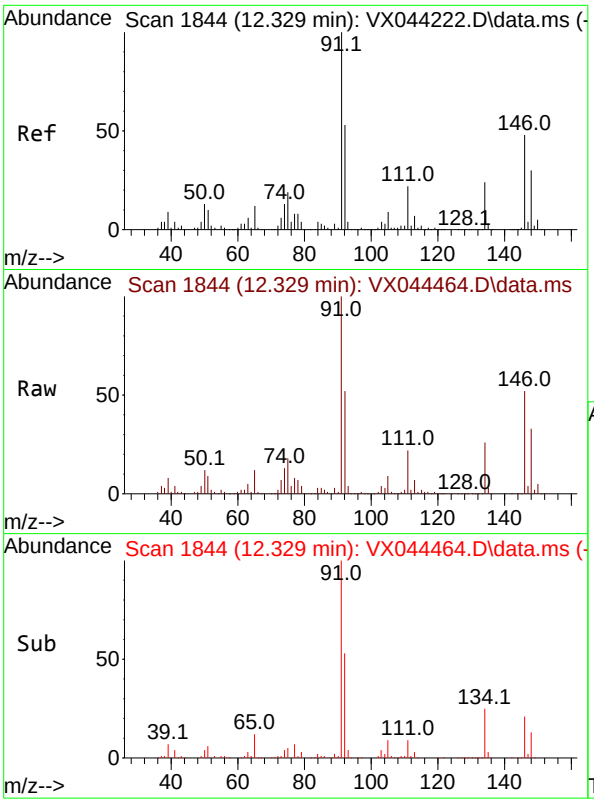




#88
1,4-Dichlorobenzene
Concen: 49.579 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:146 Resp: 161681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 21.0 | 63.0 |
| 148 | 65.1 | 32.3 | 96.8 |



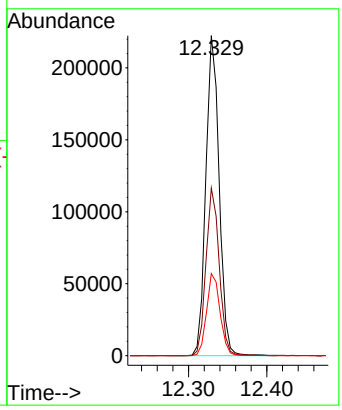


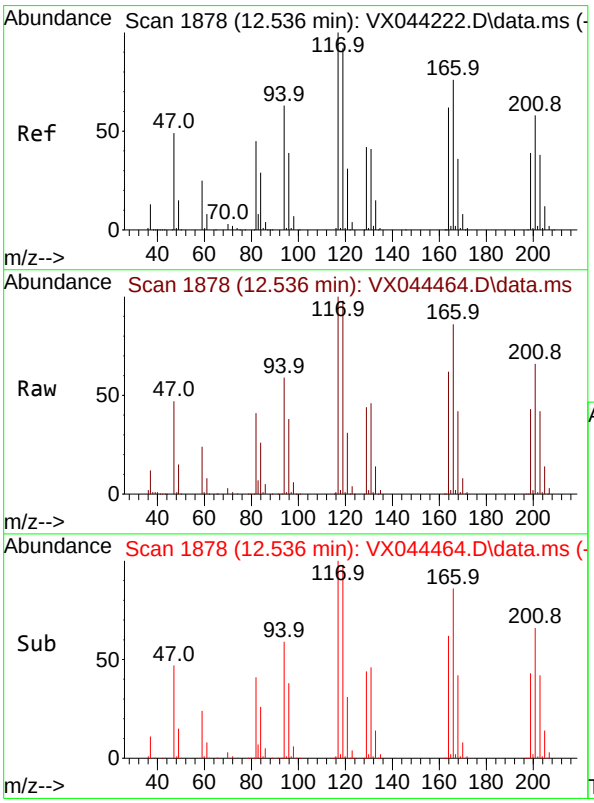

#89
n-Butylbenzene
Concen: 50.212 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 261860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.2 | 26.6 | 79.7 |
| 134 | 26.0 | 12.6 | 37.8 |

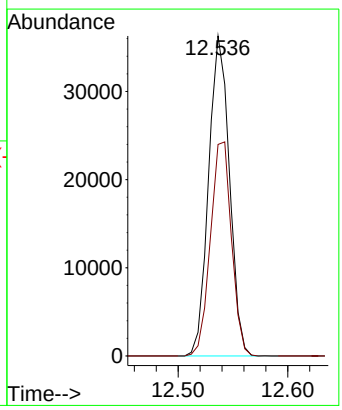


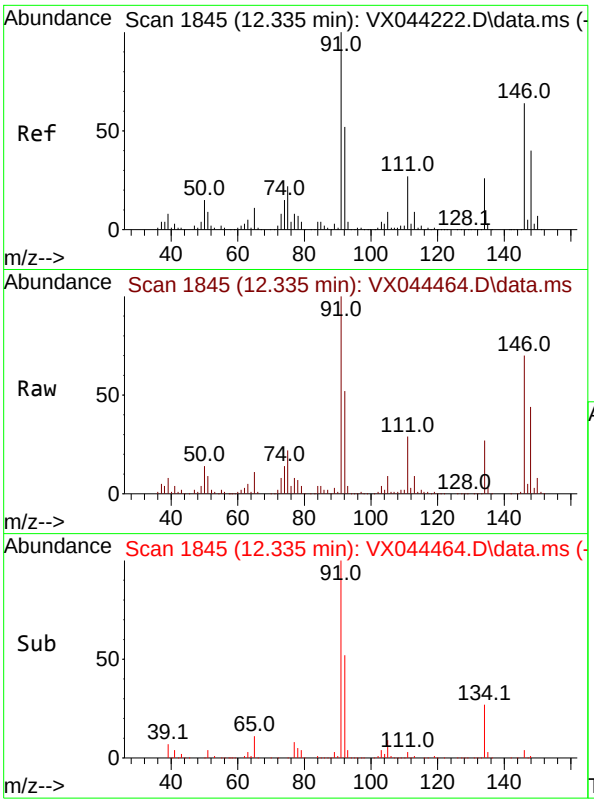




#90
Hexachloroethane
Concen: 52.940 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:117 Resp: 47928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.8 | 31.4 | 94.2 |



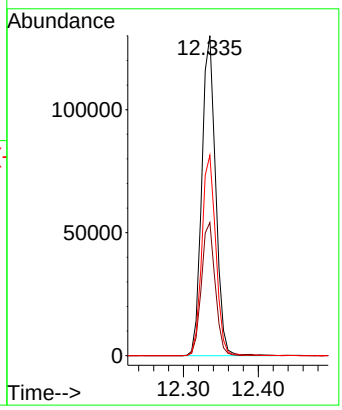


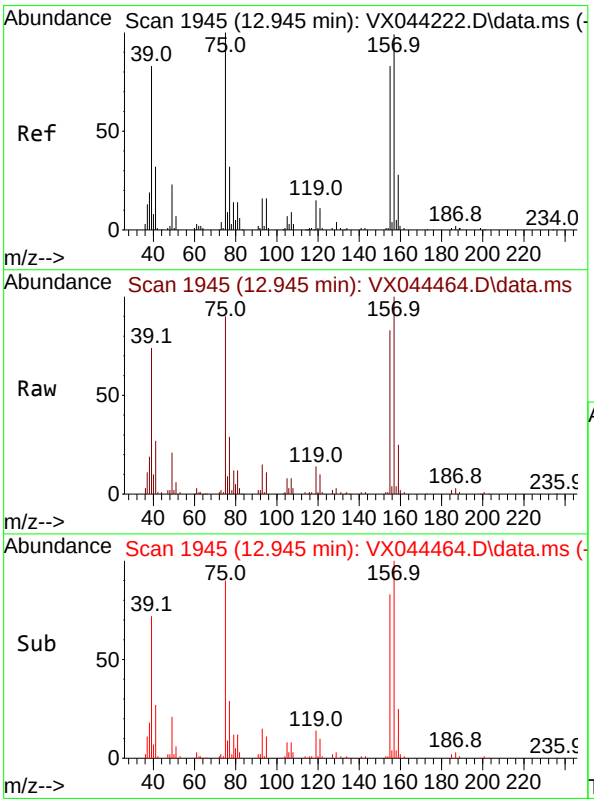

#91
1,2-Dichlorobenzene
Concen: 50.764 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 167214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 21.4 | 64.3 |
| 148 | 63.1 | 31.6 | 95.0 |

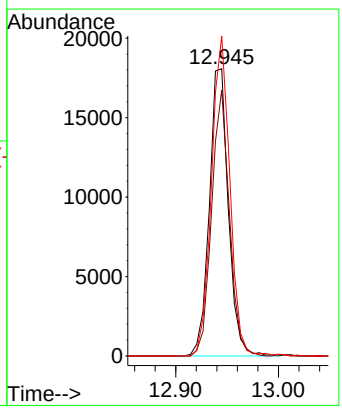


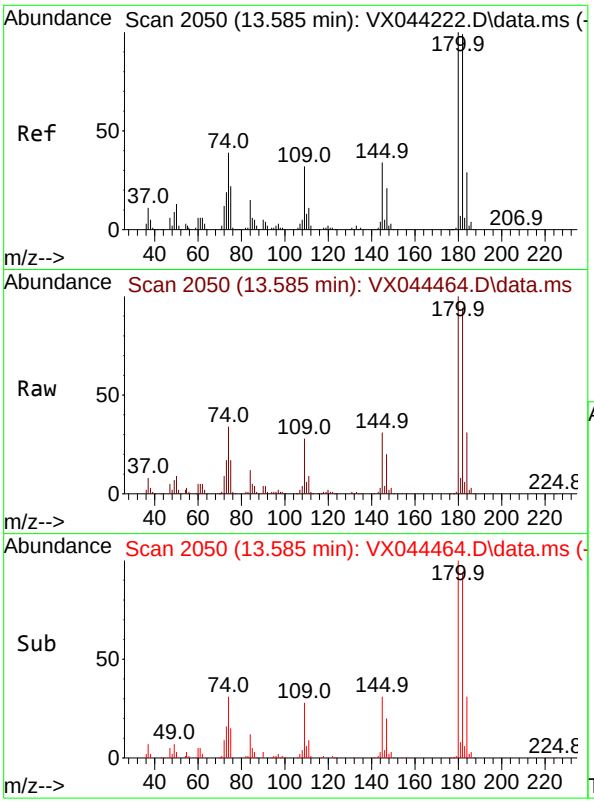




#92
1,2-Dibromo-3-Chloropropane
Concen: 46.042 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion: 75 Resp: 23250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.4 | 38.1 | 114.3 |
| 157 | 107.8 | 47.2 | 141.6 |



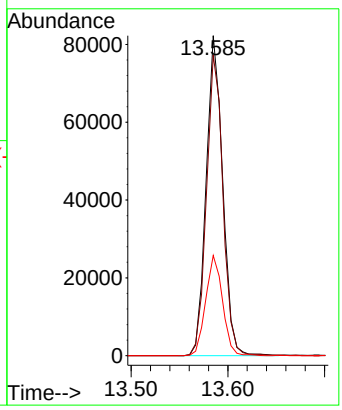


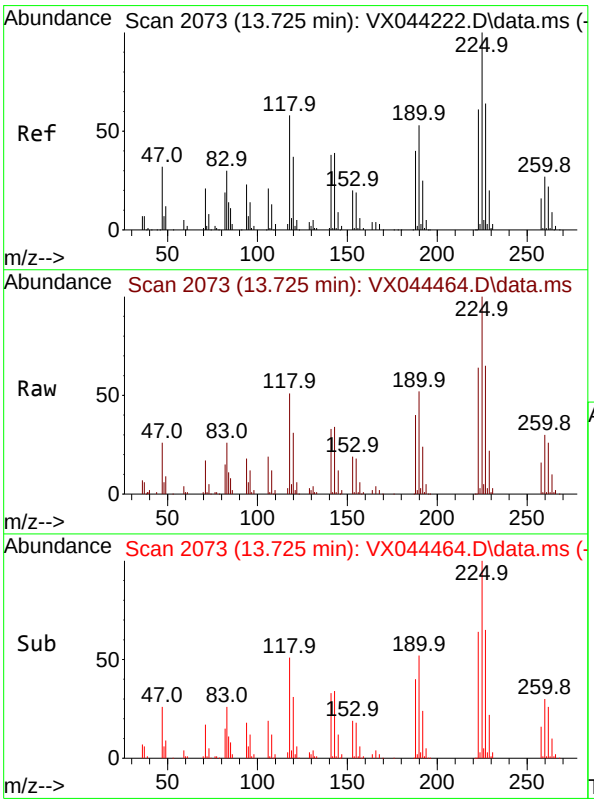

#93
1,2,4-Trichlorobenzene
Concen: 54.188 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 97858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 48.0 | 144.2 |
| 145 | 31.9 | 16.6 | 49.7 |

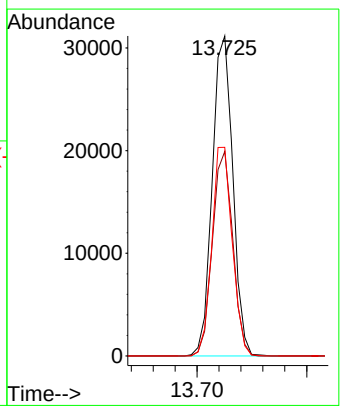


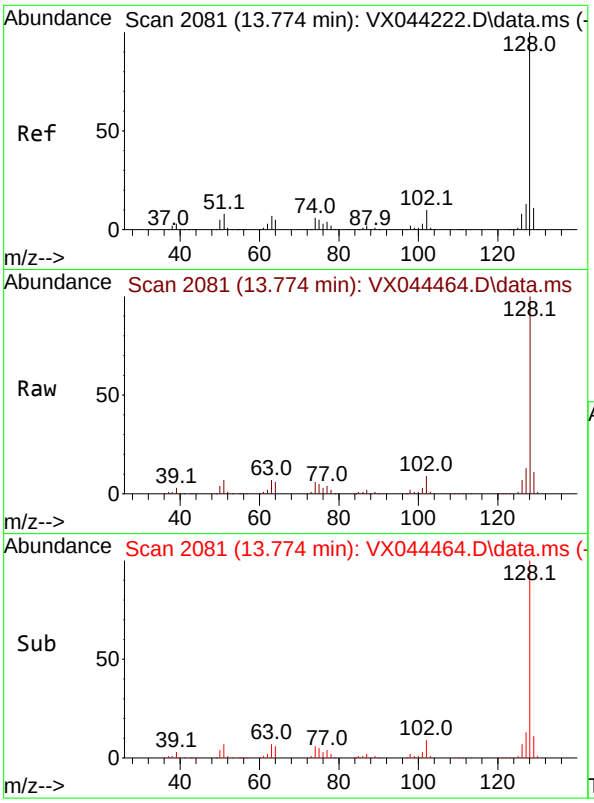




#94
Hexachlorobutadiene
Concen: 55.763 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:225 Resp: 40506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 30.8 | 92.4 |
| 227 | 65.0 | 32.1 | 96.3 |



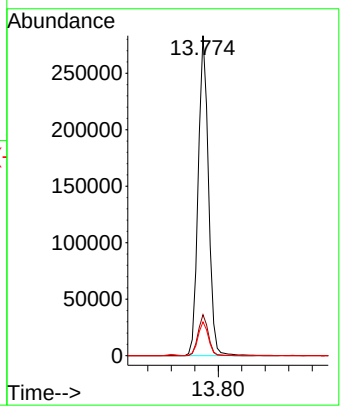


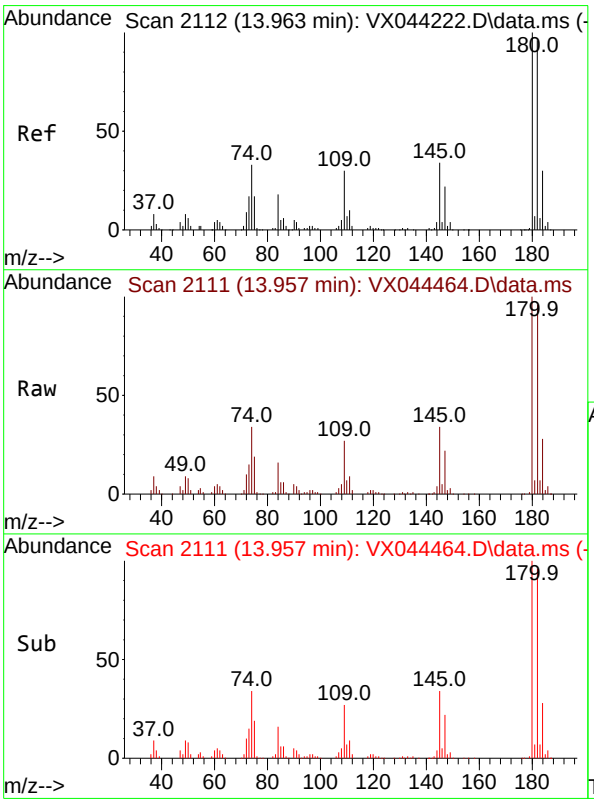

#95
Naphthalene
Concen: 48.680 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 343151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 10.7 | 9.0 | 13.4 |

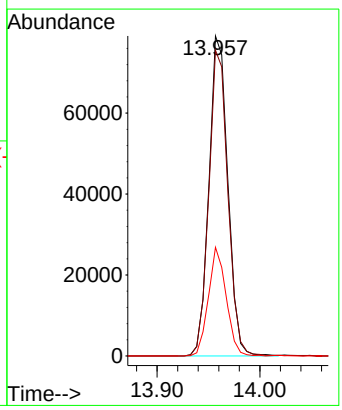



#96
1,2,3-Trichlorobenzene
Concen: 52.939 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044464.D
Acq: 20 Dec 2024 19:49

Tgt Ion:180 Resp: 101400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 48.0 | 144.0 |
| 145 | 31.9 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 98270 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 155098 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 129773 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 59280 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 72225 | 41.918 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 83.840% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 57719 | 53.732 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 107.460% | | | |
| 50) Toluene-d8 | 8.641 | 98 | 193768 | 53.468 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 106.940% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 64363 | 50.827 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.660% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 81189 | 53.431 | ug/l | 95 |
| 3) Chloromethane | 1.294 | 50 | 72049 | 49.584 | ug/l | 97 |
| 4) Vinyl Chloride | 1.380 | 62 | 70604 | 46.640 | ug/l | 98 |
| 5) Bromomethane | 1.599 | 94 | 47151 | 43.904 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 39107 | 41.487 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 127064 | 42.875 | ug/l | 99 |
| 8) Diethyl Ether | 2.130 | 74 | 38233 | 37.795 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 65130 | 54.311 | ug/l | 95 |
| 10) Methyl Iodide | 2.447 | 142 | 70995 | 44.919 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.989 | 59 | 17549 | 72.268 | ug/l # | 71 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 55954 | 50.798 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 61730 | 175.615 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 85968 | 46.857 | ug/l | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 157669 | 234.398 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 144825 | 206.174 | ug/l | 95 |
| 17) Carbon Disulfide | 2.501 | 76 | 97346 | 46.493 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 81261 | 44.867 | ug/l | 95 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 189369 | 44.056 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 58446 | 44.299 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 55872 | 47.727 | ug/l | 95 |
| 22) Diisopropyl ether | 3.751 | 45 | 185514 | 44.904 | ug/l | 88 |
| 23) Vinyl Acetate | 3.715 | 43 | 783324 | 233.215 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 106007 | 46.032 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 209192 | 209.482 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 95219 | 50.896 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 68850 | 46.309 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 46458 | 41.140 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.001 | 42 | 135710 | 211.723 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 114443 | 44.231 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 94719 | 50.934 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 101477 | 47.248 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 77076 | 55.509 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 82758 | 48.216 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 82491 | 55.181 | ug/l | 98 |
| 39) Methylcyclohexane | 7.372 | 83 | 101951 | 61.418 | ug/l | 97 |
| 40) Benzene | 6.025 | 78 | 229329 | 54.397 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 42994 | 47.172 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 83638 | 48.161 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.336 | 43 | 128551 | 47.918 | ug/l | | 97 |
| 44) Trichloroethene | 7.116 | 130 | 58165 | 55.326 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 56311 | 52.281 | ug/l | | 99 |
| 46) Dibromomethane | 7.574 | 93 | 43787 | 52.402 | ug/l | | 96 |
| 47) Bromodichloromethane | 7.818 | 83 | 78361 | 54.300 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 61073 | 46.898 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.677 | 88 | 21715 | 1005.738 | ug/l | # | 84 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 402283 | 233.216 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 140179 | 52.949 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 74563 | 48.256 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 85414 | 54.358 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 56021 | 53.264 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.116 | 69 | 81680 | 49.194 | ug/l | | 95 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 94586 | 51.667 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 203293 | 242.753 | ug/l | | 97 |
| 59) 2-Hexanone | 9.433 | 43 | 291491 | 233.464 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.518 | 129 | 54898 | 49.335 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 56628 | 52.895 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.268 | 164 | 51836 | 60.182 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 148588 | 53.435 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 50561 | 56.575 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 250606 | 52.159 | ug/l | | 96 |
| 68) m/p-Xylenes | 10.299 | 106 | 193976 | 110.024 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 94957 | 53.232 | ug/l | | 93 |
| 70) Styrene | 10.652 | 104 | 155555 | 54.396 | ug/l | | 95 |
| 71) Bromoform | 10.799 | 173 | 32723 | 52.112 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 246838 | 54.392 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 101119 | 48.214 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 82068 | 52.066 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 86748 | 65.540 | ug/l | | 85 |
| 77) Bromobenzene | 11.195 | 156 | 58269 | 52.949 | ug/l | | 97 |
| 78) n-propylbenzene | 11.299 | 91 | 278932 | 55.610 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 166232 | 51.245 | ug/l | | 96 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 202499 | 53.807 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 22335 | 48.538 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 190339 | 52.988 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 202328 | 54.400 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 206380 | 55.839 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 245317 | 54.332 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 207299 | 55.162 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 103109 | 53.639 | ug/l | | 96 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 106265 | 53.777 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 173517 | 54.910 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 30390 | 55.398 | ug/l | | 90 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 106046 | 53.130 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 15164 | 49.558 | ug/l | | 87 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 61001 | 55.746 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 25708 | 58.407 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 225150 | 52.712 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 63159 | 54.418 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

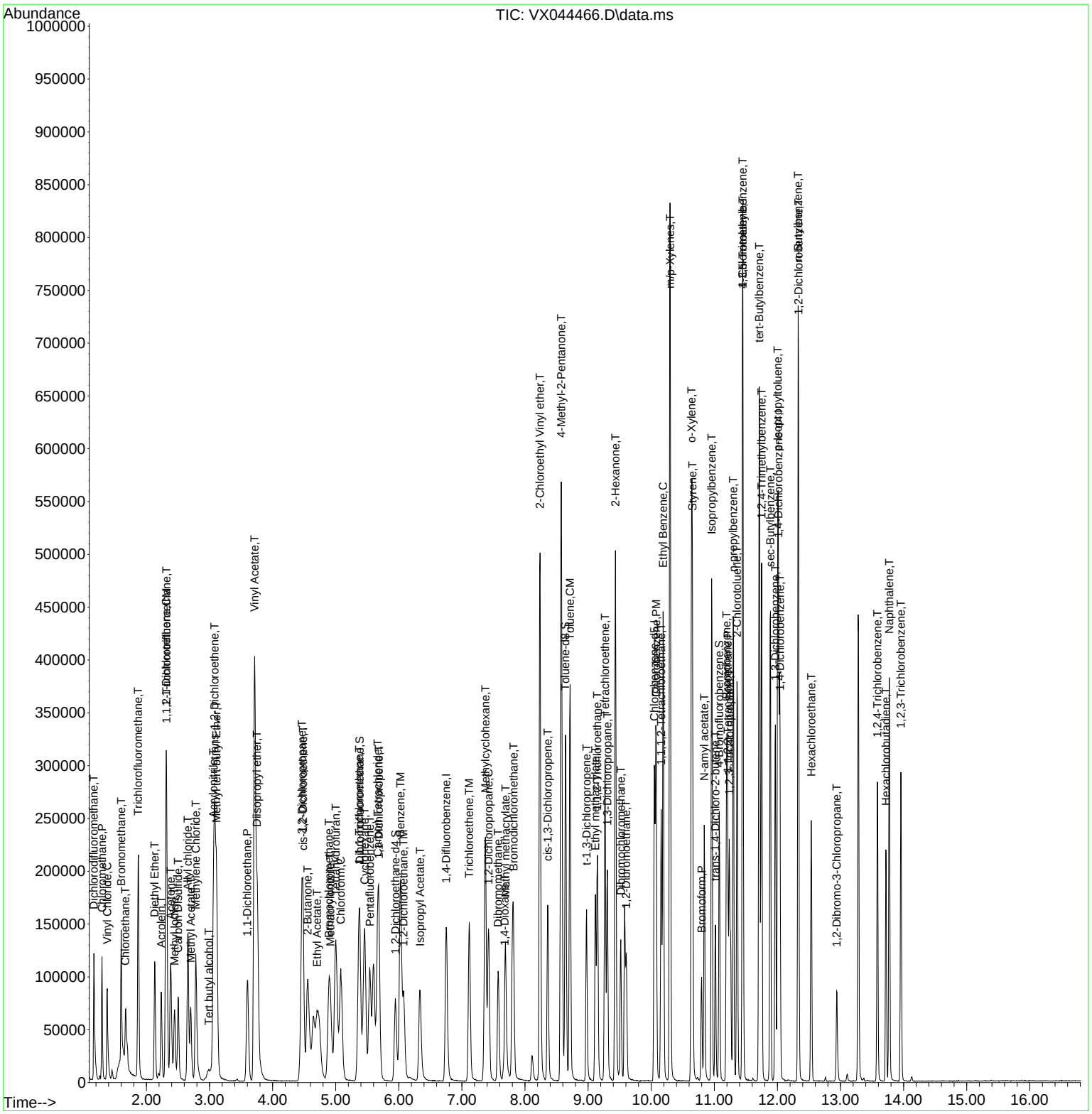
(#) = qualifier out of range (m) = manual integration (+) = signals summed

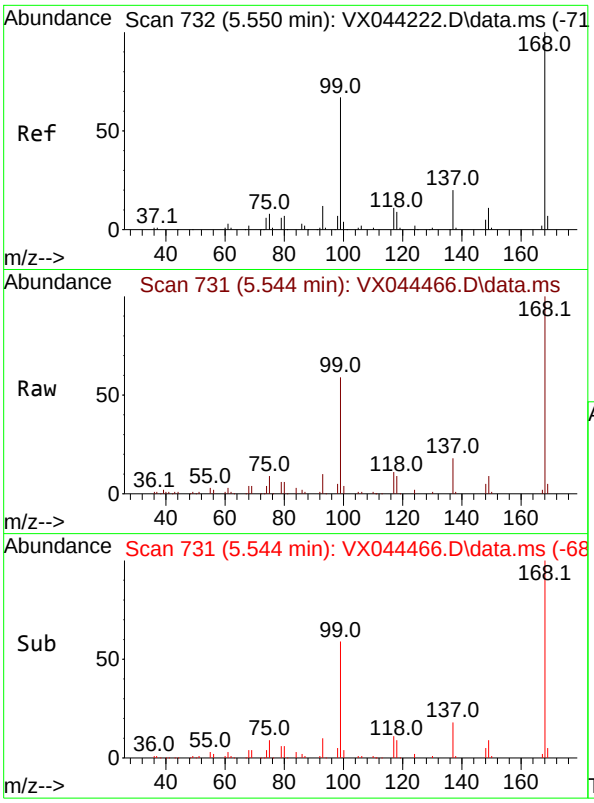
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044466.D
Acq On : 23 Dec 2024 08:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 23 21:50:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



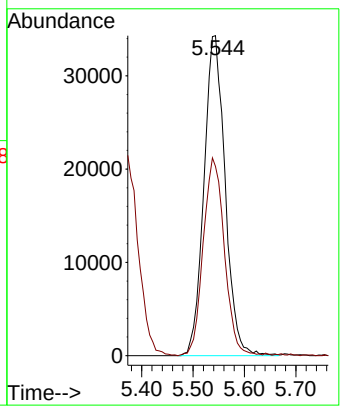


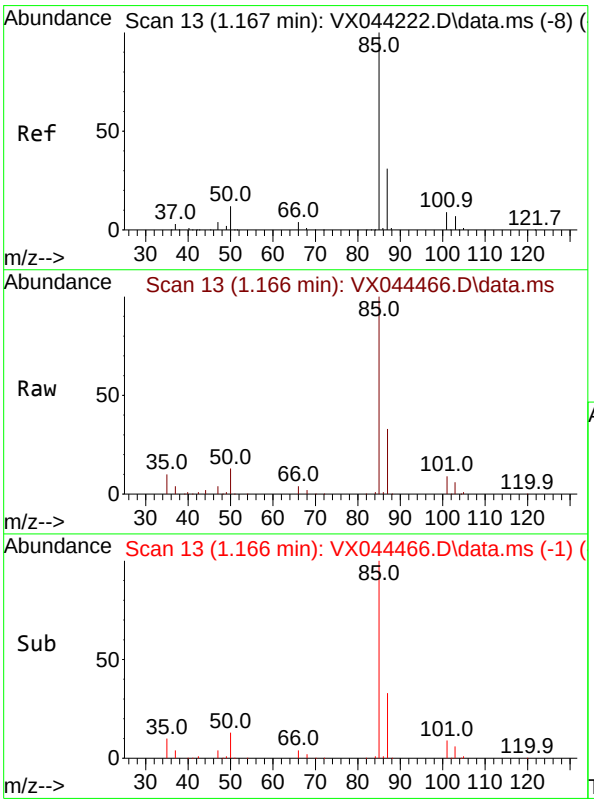

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 98270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.1 | 53.4 | 80.0 |

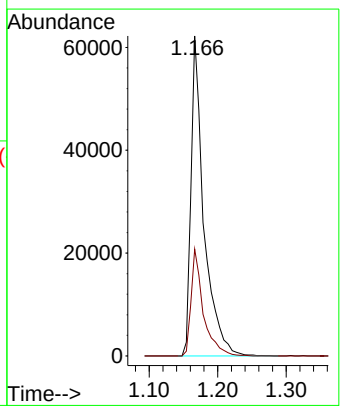


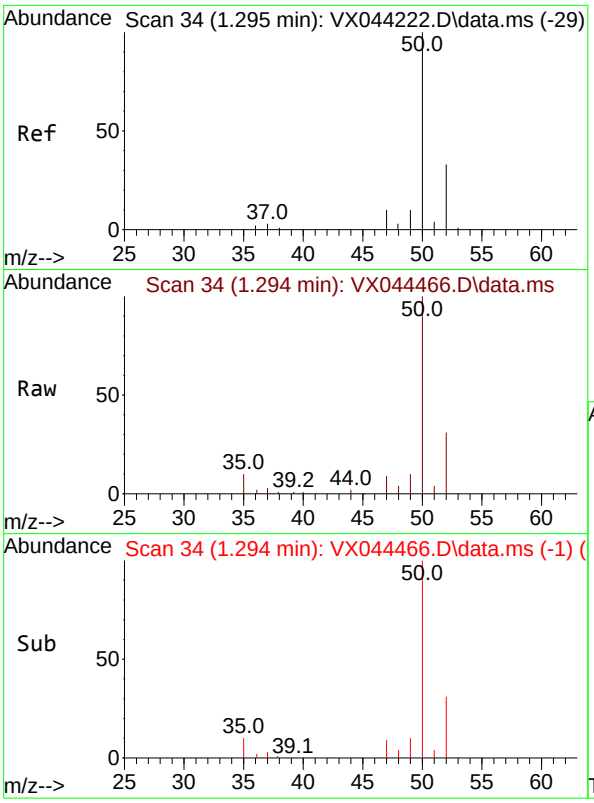




#2
Dichlorodifluoromethane
Concen: 53.431 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 85 Resp: 81189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.4 | 15.4 | 46.4 |



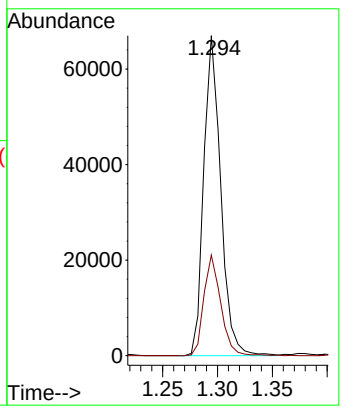


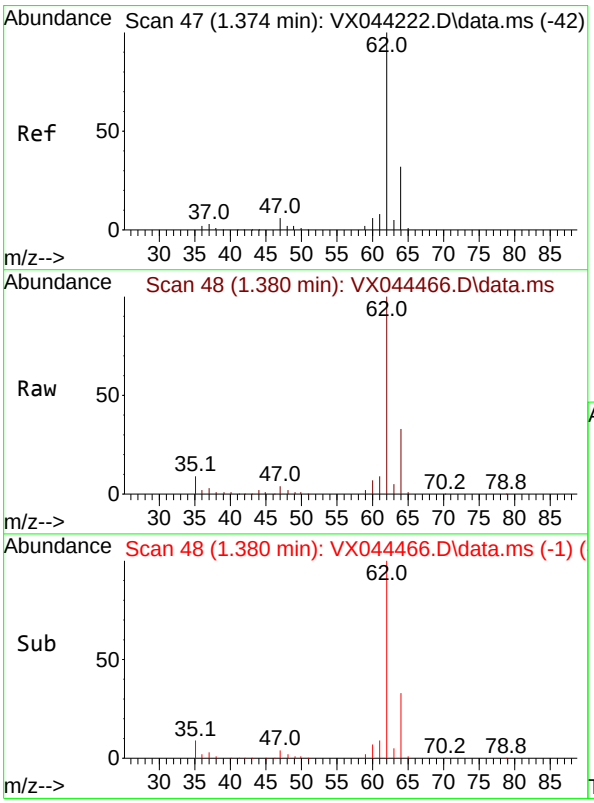

#3
Chloromethane
Concen: 49.584 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 72049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.5 | 26.5 | 39.7 |

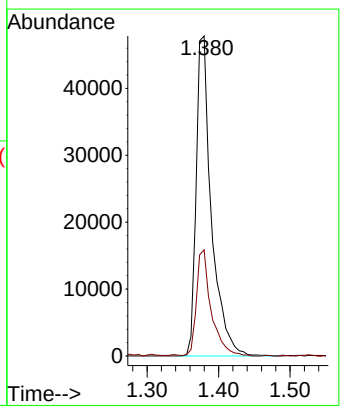


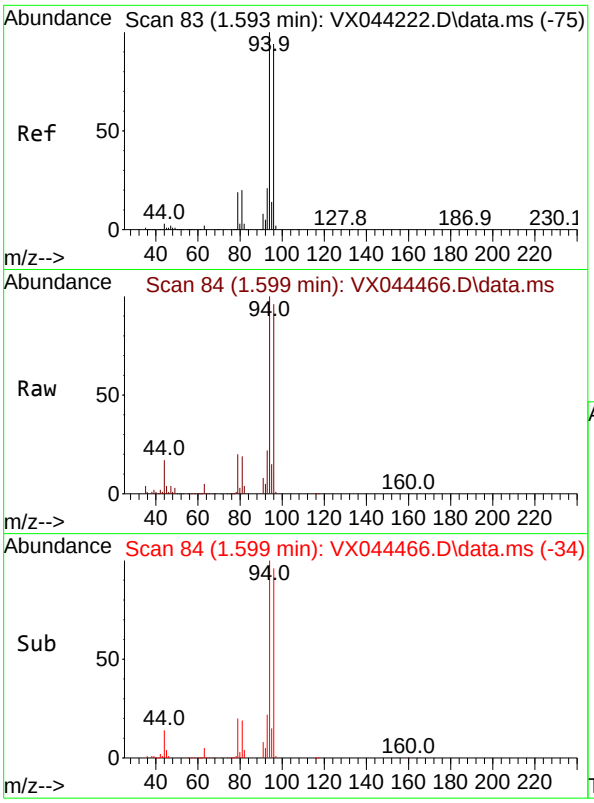




#4
Vinyl Chloride
Concen: 46.640 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 62 Resp: 70604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.2 | 25.7 | 38.5 |



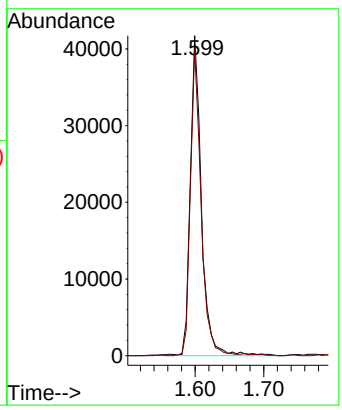


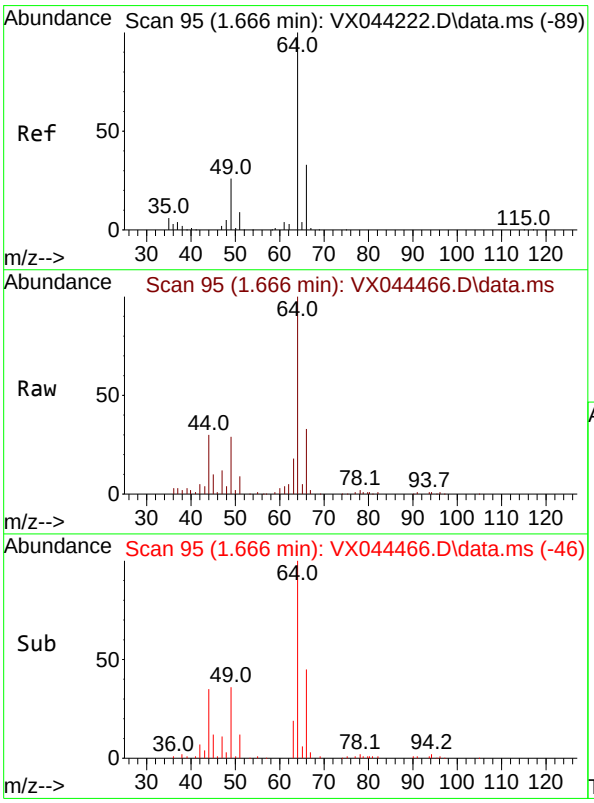

#5
Bromomethane
Concen: 43.904 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 47151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.7 | 74.9 | 112.3 |

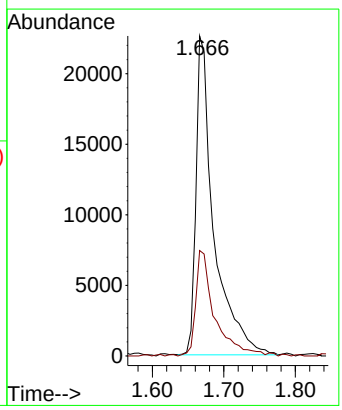


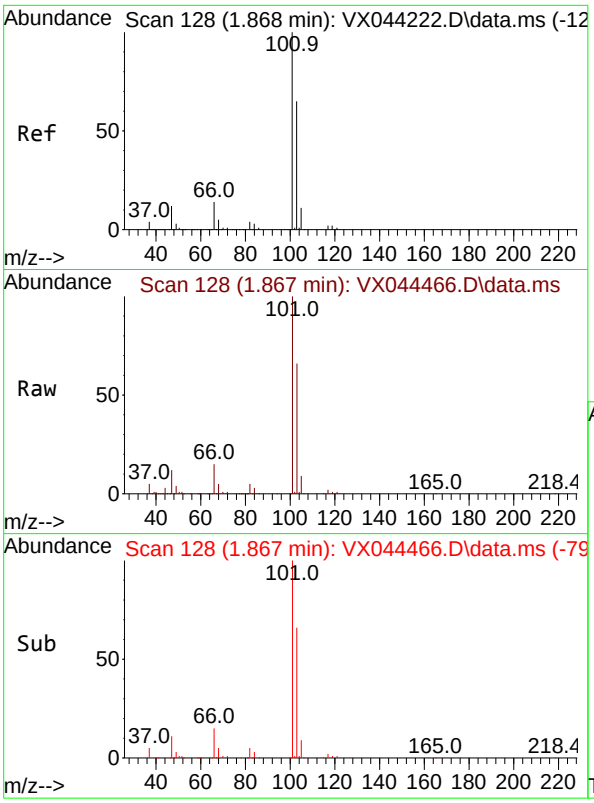




#6
Chloroethane
Concen: 41.487 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 64 Resp: 39107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.1 | 26.6 | 39.8 |



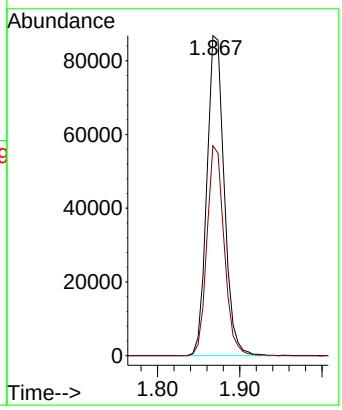


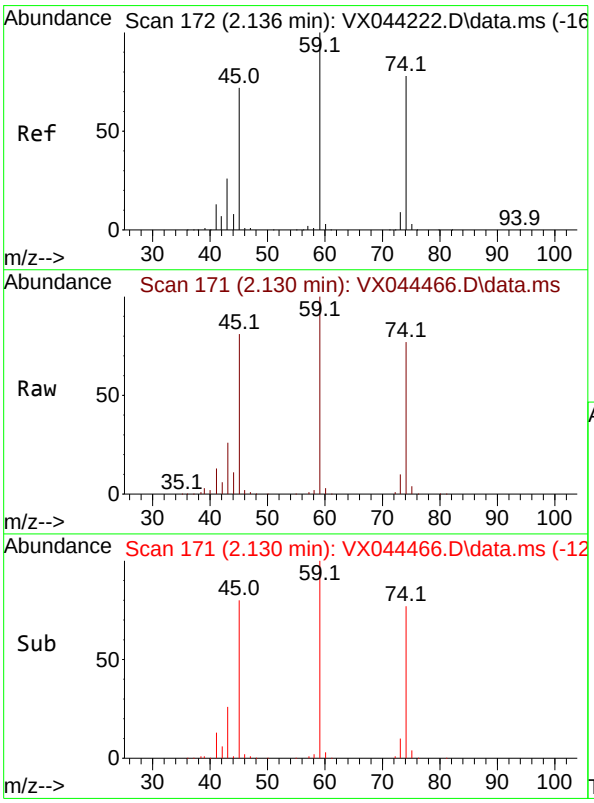

#7
Trichlorofluoromethane
Concen: 42.875 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 127064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.6 | 51.8 | 77.8 |

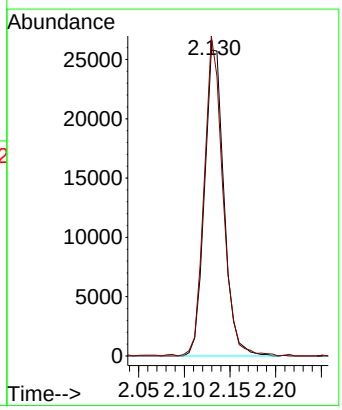


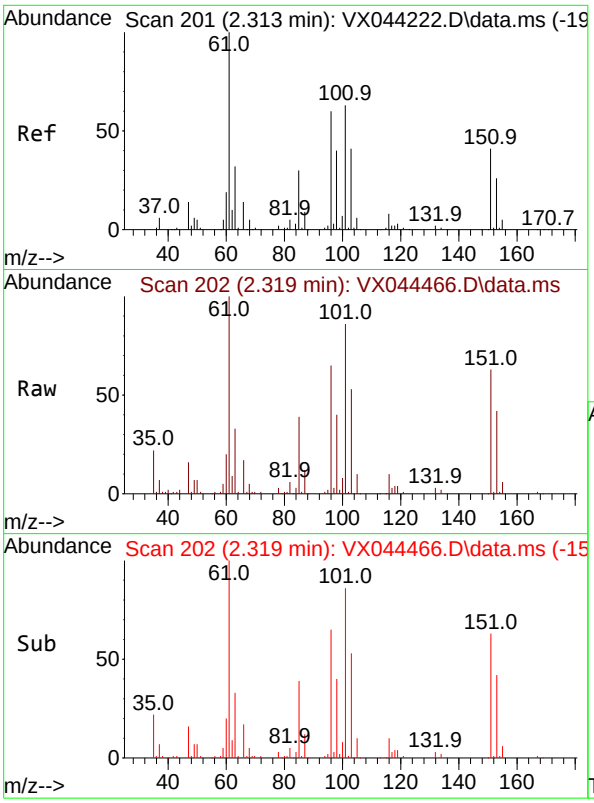




#8
Diethyl Ether
Concen: 37.795 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 74 Resp: 38233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.4 | 48.4 | 145.0 |



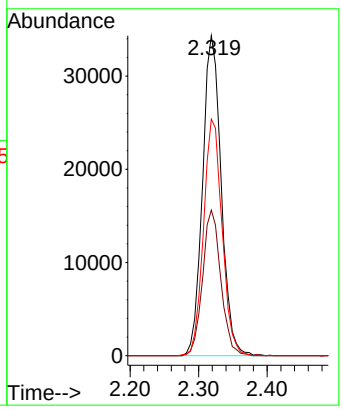


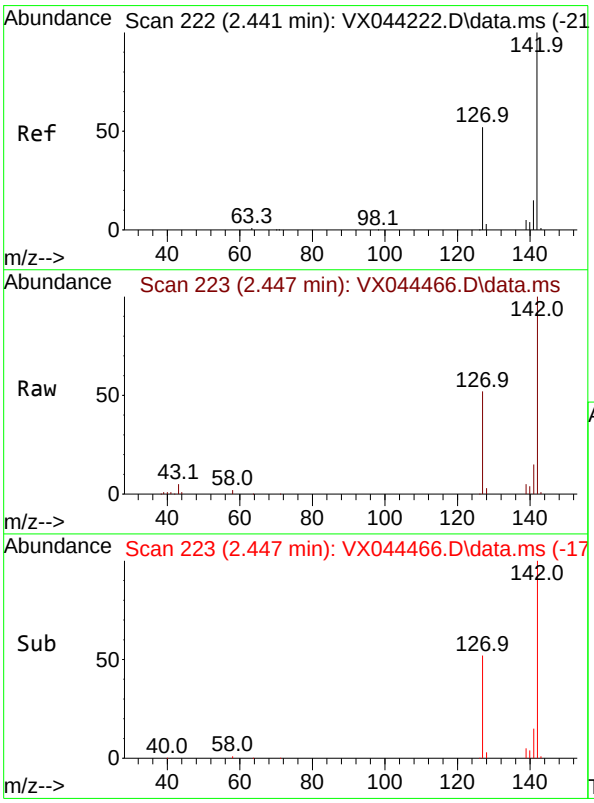

#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.311 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 65130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.4 | 38.5 | 57.7 |
| 151 | 73.4 | 55.8 | 83.6 |

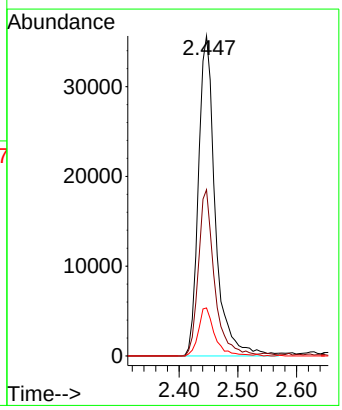


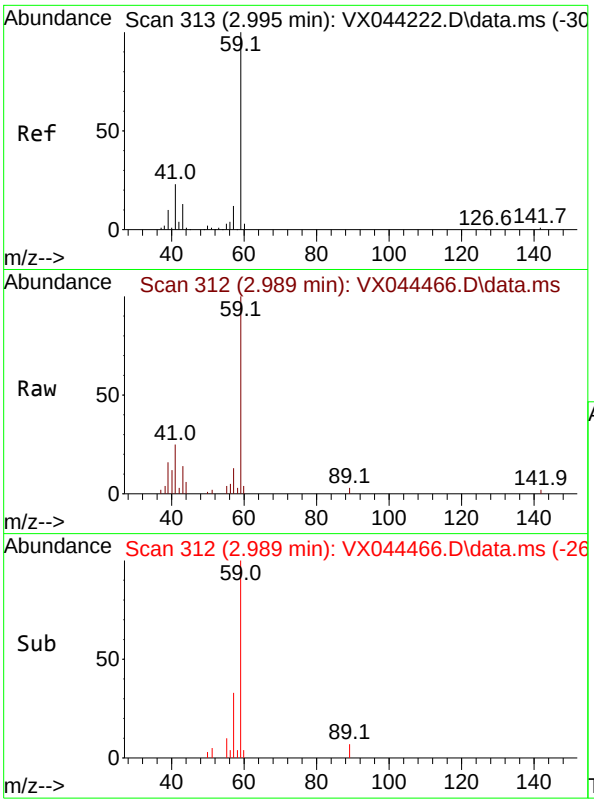




#10
Methyl Iodide
Concen: 44.919 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:142 Resp: 70995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.4 | 41.8 | 62.8 |
| 141 | 14.7 | 11.5 | 17.3 |



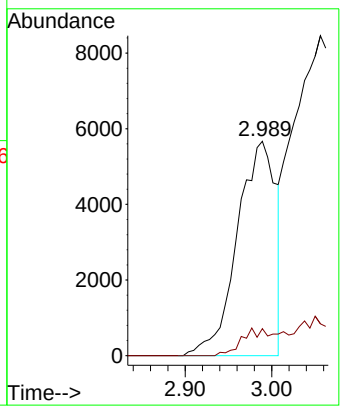


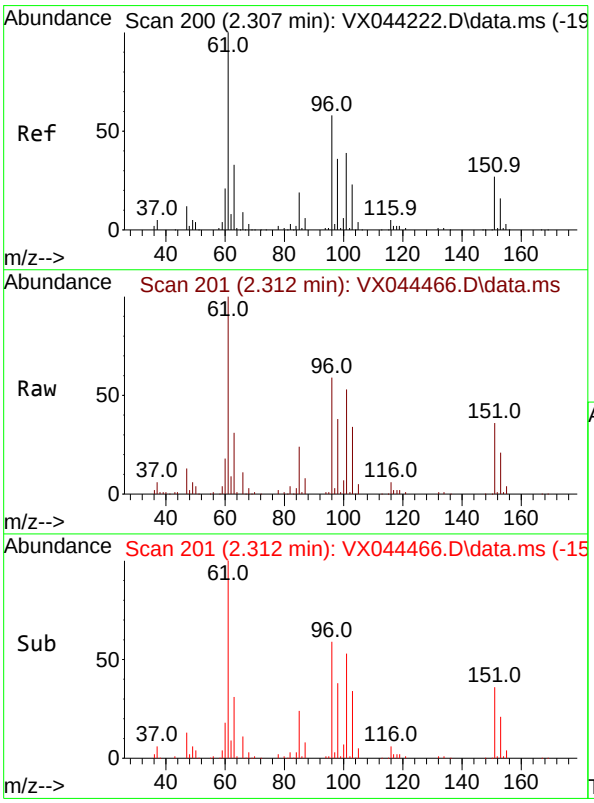

#11
Tert butyl alcohol
Concen: 72.268 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 17549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |

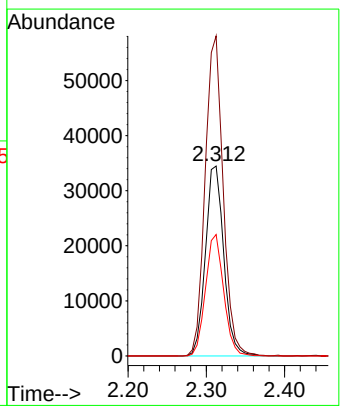


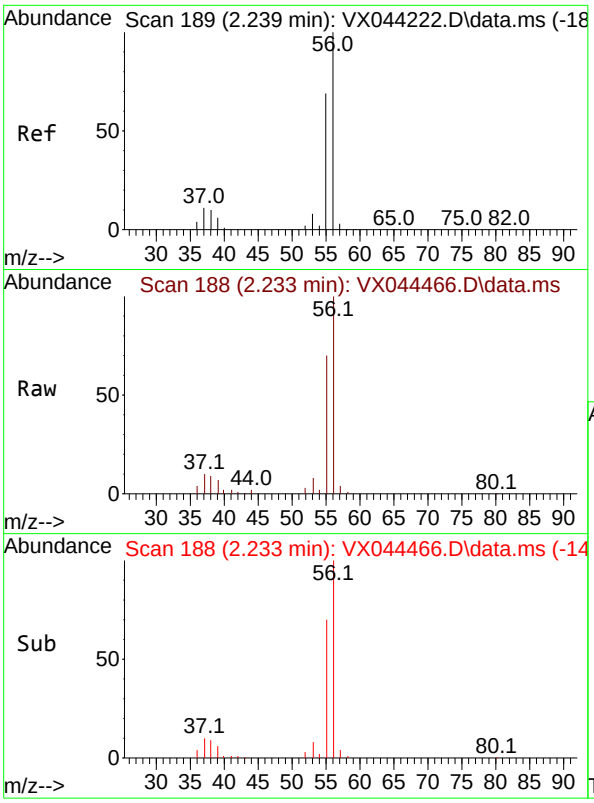




#12
1,1-Dichloroethene
Concen: 50.798 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 96 Resp: 55954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.4 | 138.0 | 207.0 |
| 98 | 63.9 | 50.0 | 75.0 |



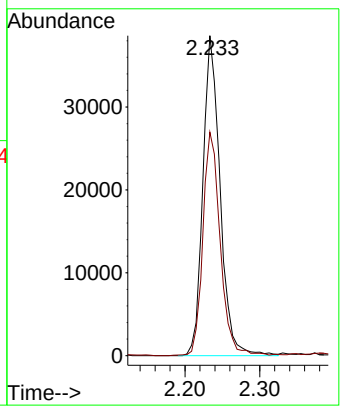


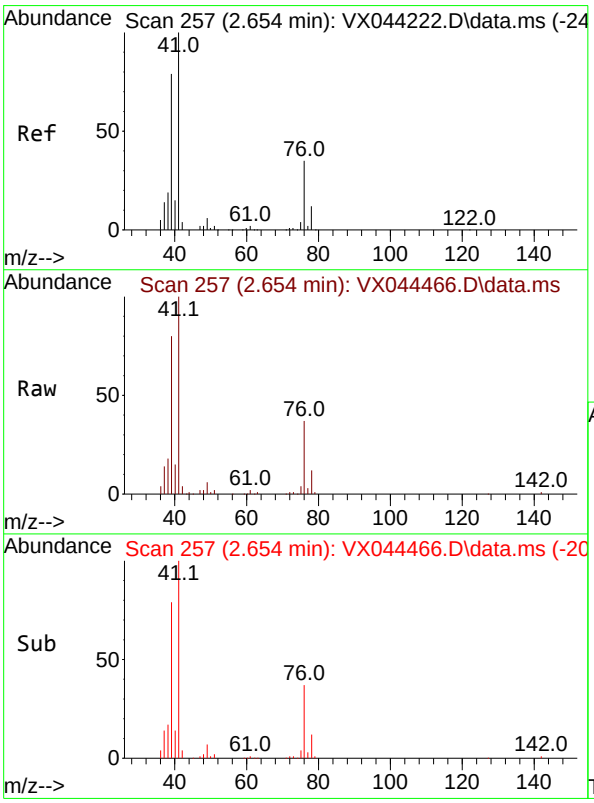

#13
Acrolein
Concen: 175.615 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 61730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 56.6 | 84.8 |

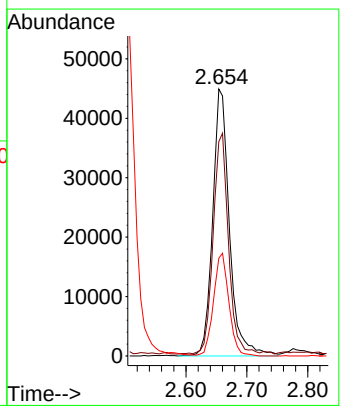


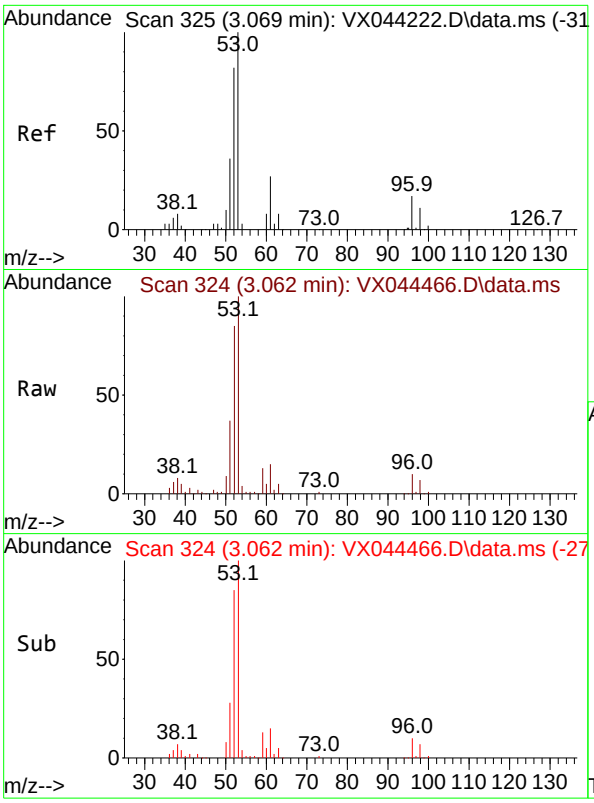




#14
Allyl chloride
Concen: 46.857 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 41 Resp: 85968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.3 | 61.9 | 92.9 |
| 76 | 35.2 | 27.4 | 41.2 |



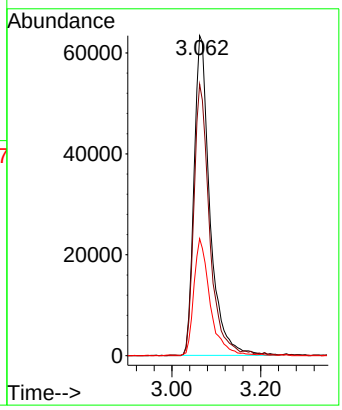


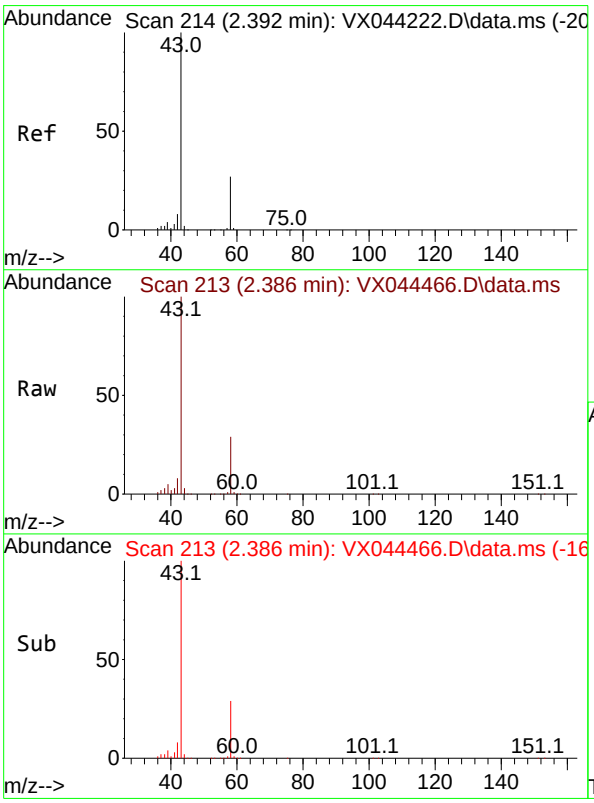

#15
Acrylonitrile
Concen: 234.398 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 157669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 67.4 | 101.0 |
| 51 | 36.8 | 30.3 | 45.5 |

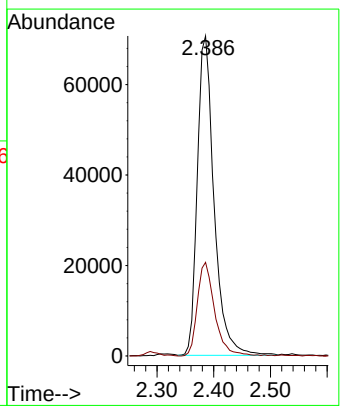


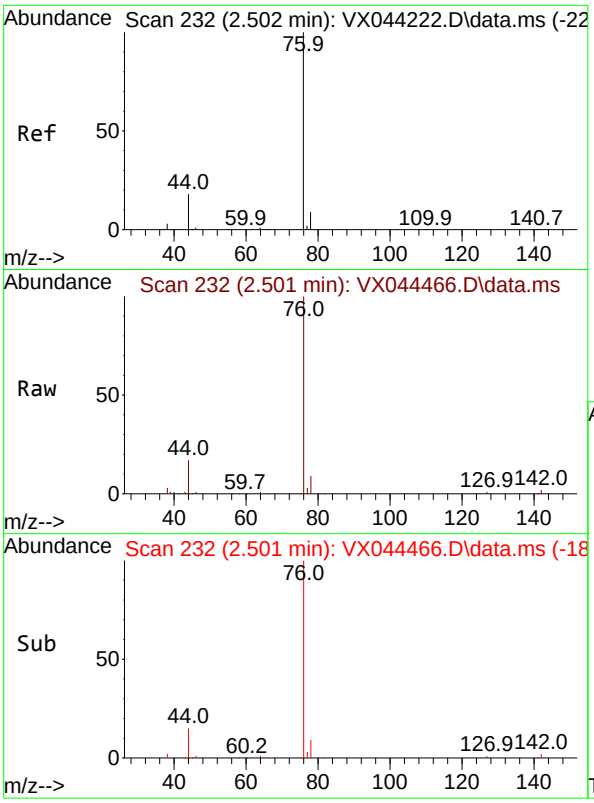




#16
Acetone
Concen: 206.174 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 144825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 21.6 | 32.4 |



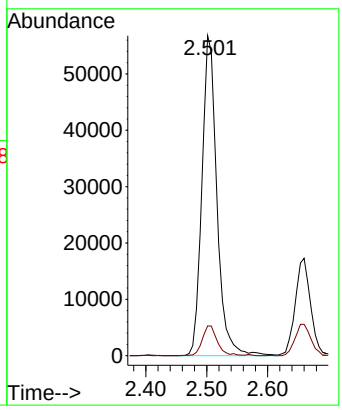


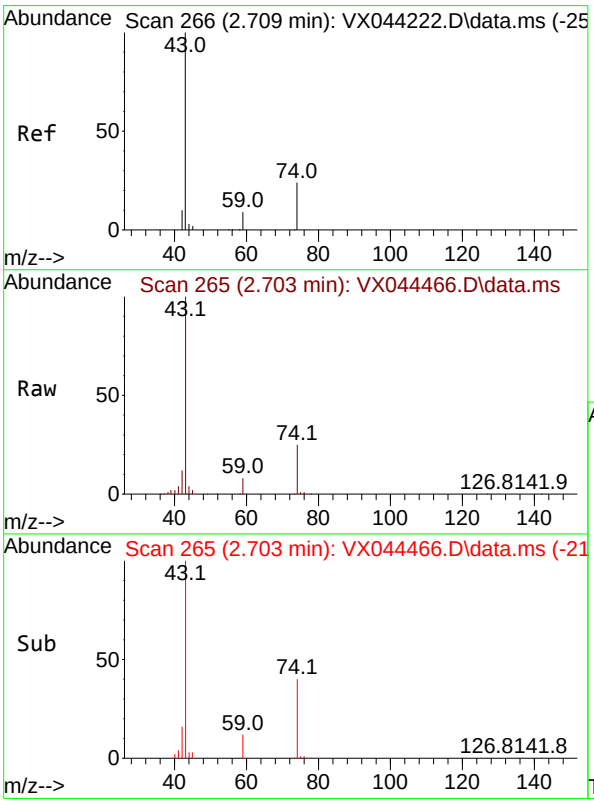

#17
Carbon Disulfide
Concen: 46.493 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 97346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.4 | 11.0 |

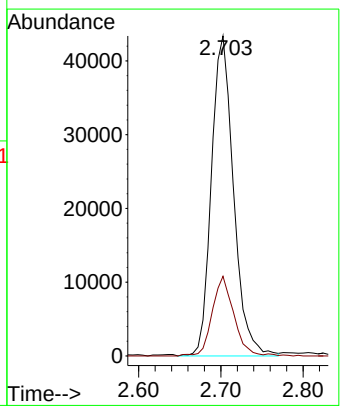


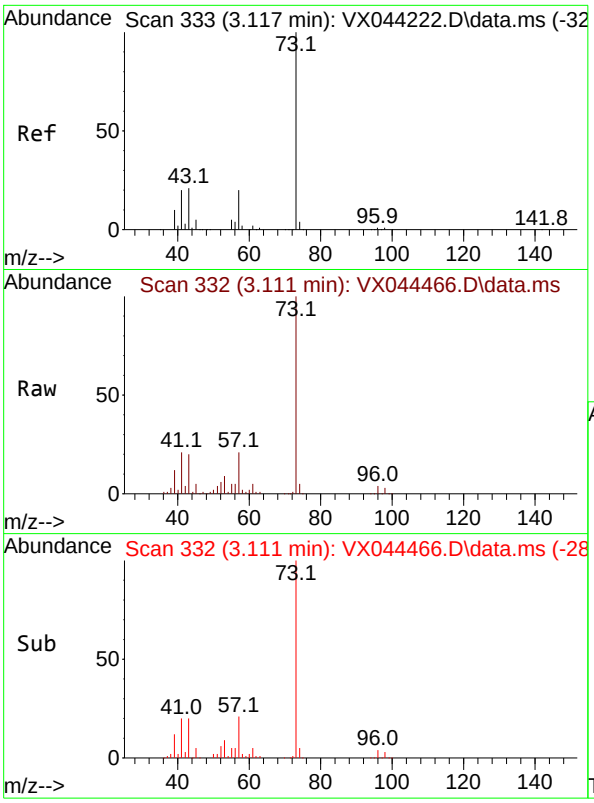




#18
Methyl Acetate
Concen: 44.867 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 81261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.4 | 17.7 | 26.5 |



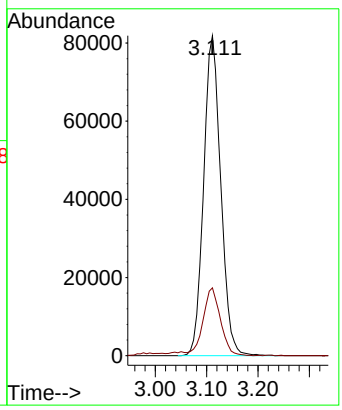


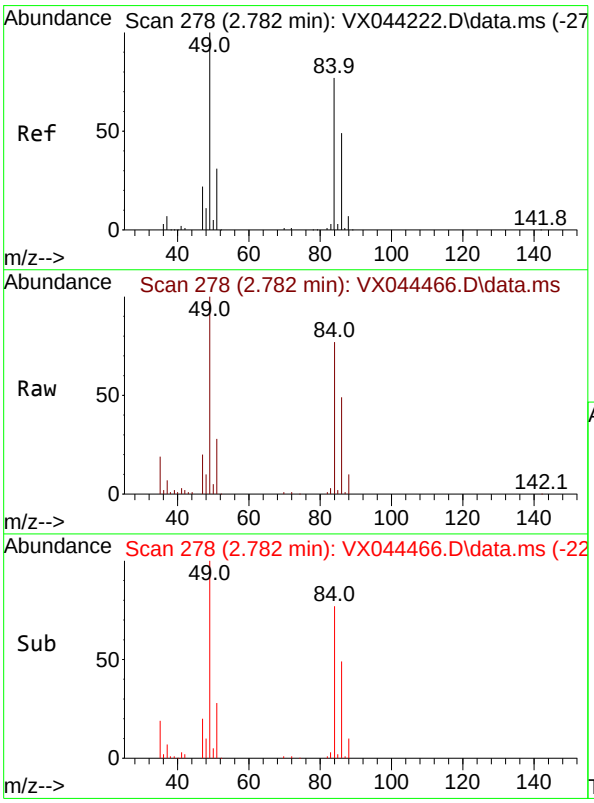

#19
Methyl tert-butyl Ether
Concen: 44.056 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 189369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 16.2 | 24.4 |

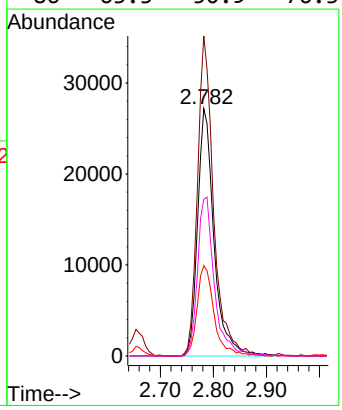


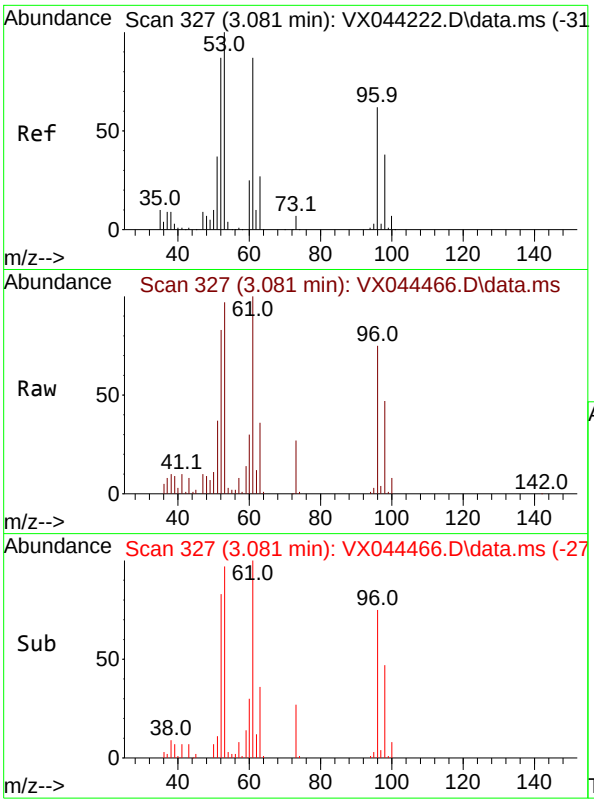




#20
Methylene Chloride
Concen: 44.299 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 84 Resp: 58446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.3 | 104.2 | 156.4 |
| 51 | 36.5 | 32.2 | 48.4 |
| 86 | 63.3 | 50.9 | 76.3 |



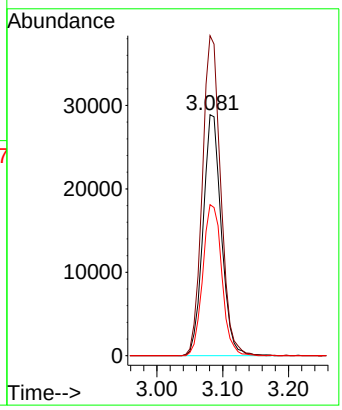


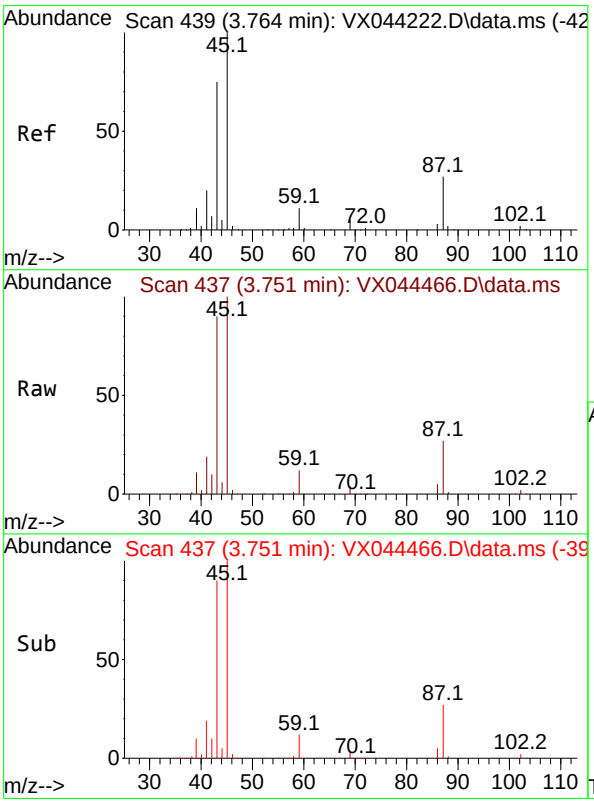

#21
trans-1,2-Dichloroethene
Concen: 47.727 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 55872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 132.8 | 112.0 | 168.0 |
| 98 | 62.7 | 48.8 | 73.2 |

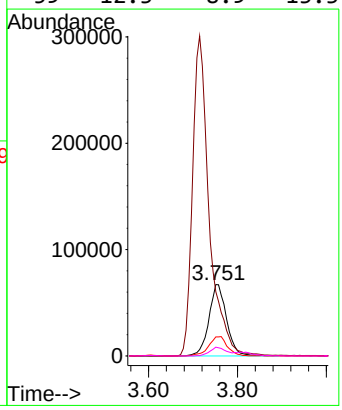


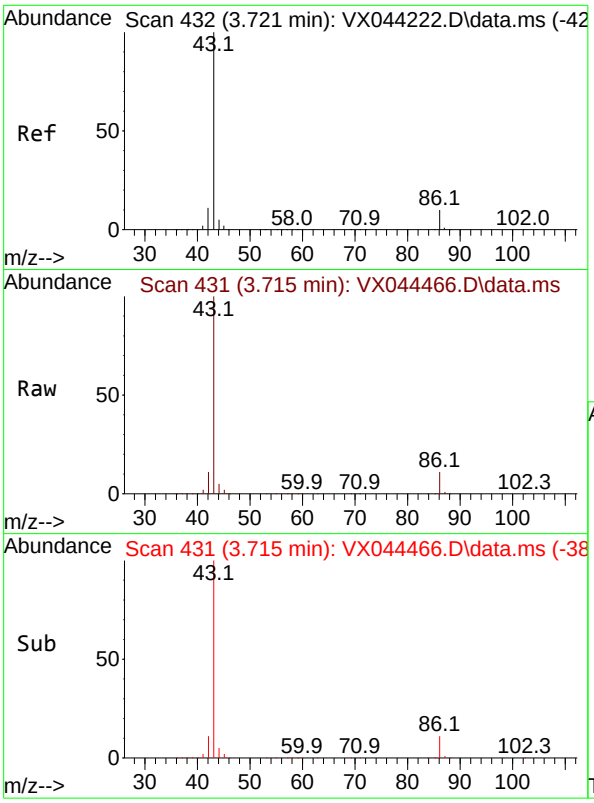




#22
Diisopropyl ether
Concen: 44.904 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.012 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 45 Resp: 185514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 89.8 | 60.2 | 90.2 |
| 87 | 26.8 | 21.2 | 31.8 |
| 59 | 12.3 | 8.9 | 13.3 |



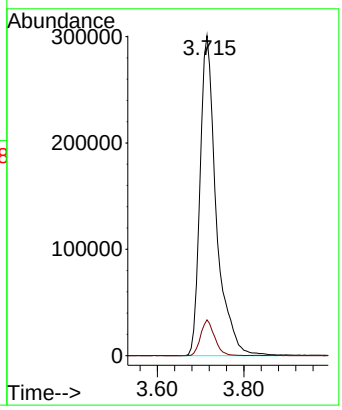


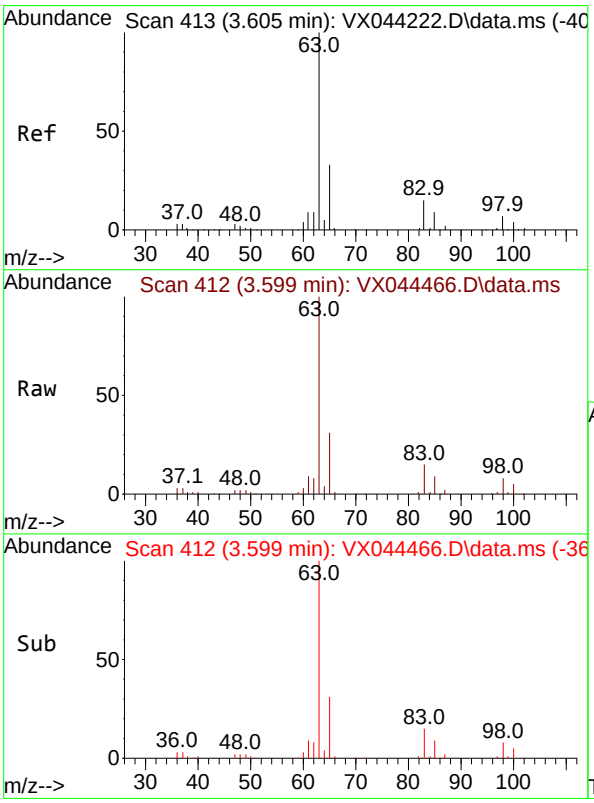

#23
Vinyl Acetate
Concen: 233.215 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 783324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.2 | 8.2 | 12.2 |

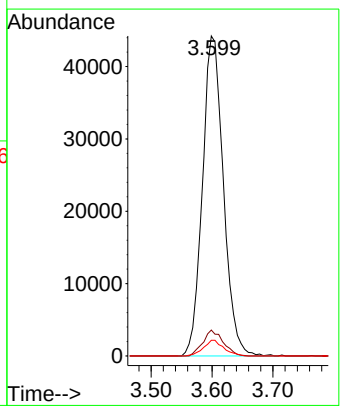


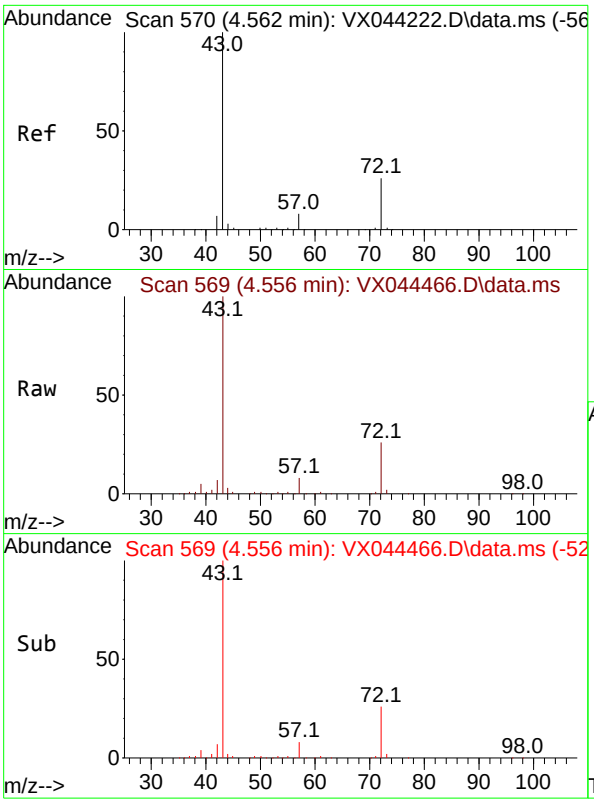




#24
1,1-Dichloroethane
Concen: 46.032 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 63 Resp: 106007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.1 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |



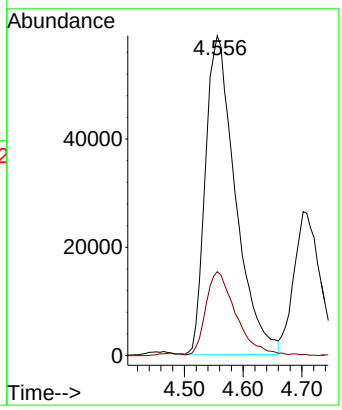


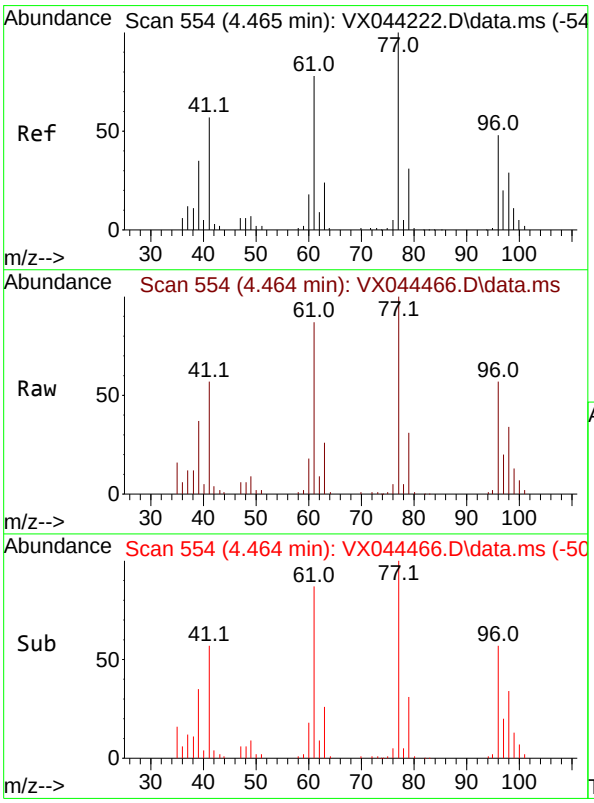

#25
2-Butanone
Concen: 209.482 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 209192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.8 | 20.2 | 30.4 |

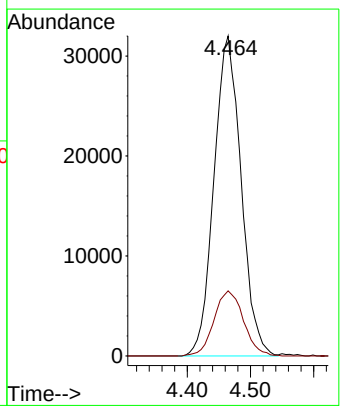


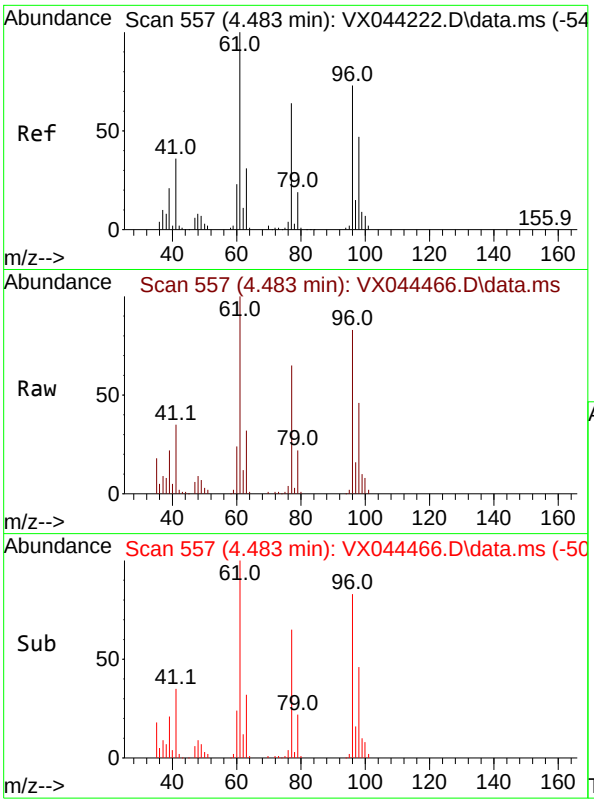




#26
2,2-Dichloropropane
Concen: 50.896 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 77 Resp: 95219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 10.7 | 32.1 |



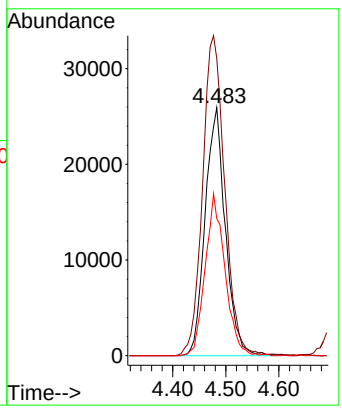


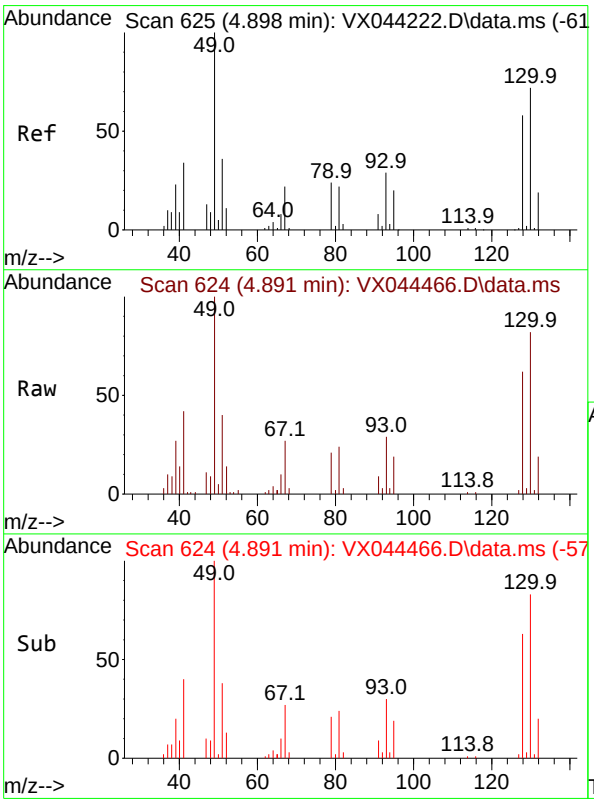

#27
cis-1,2-Dichloroethene
Concen: 46.309 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 68850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.1 | 0.0 | 299.0 |
| 98 | 63.7 | 0.0 | 129.0 |

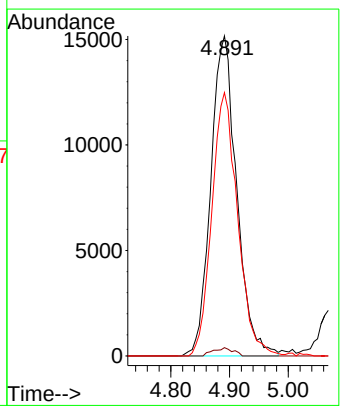


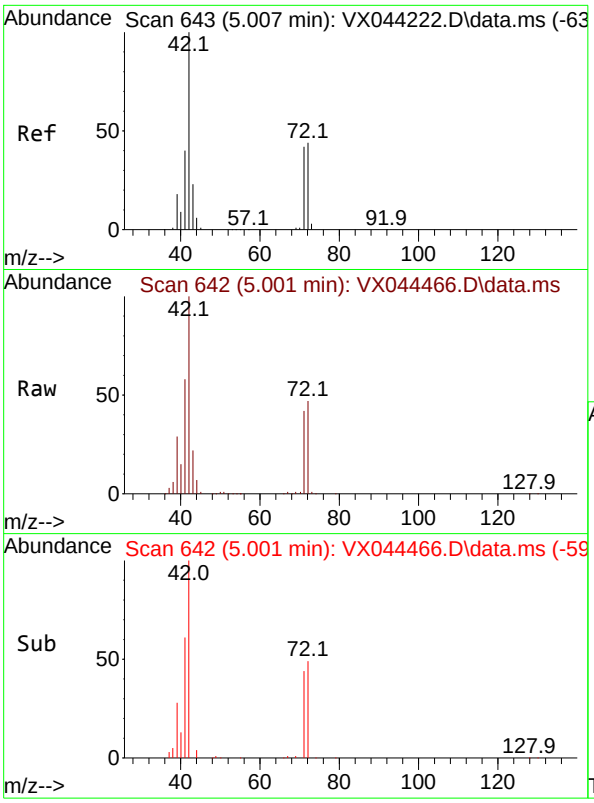




#28
Bromochloromethane
Concen: 41.140 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 49 Resp: 46458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.2 |
| 130 | 82.1 | 62.1 | 93.1 |



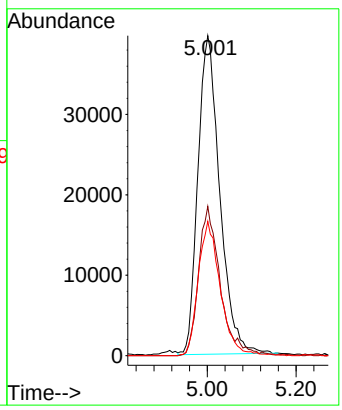


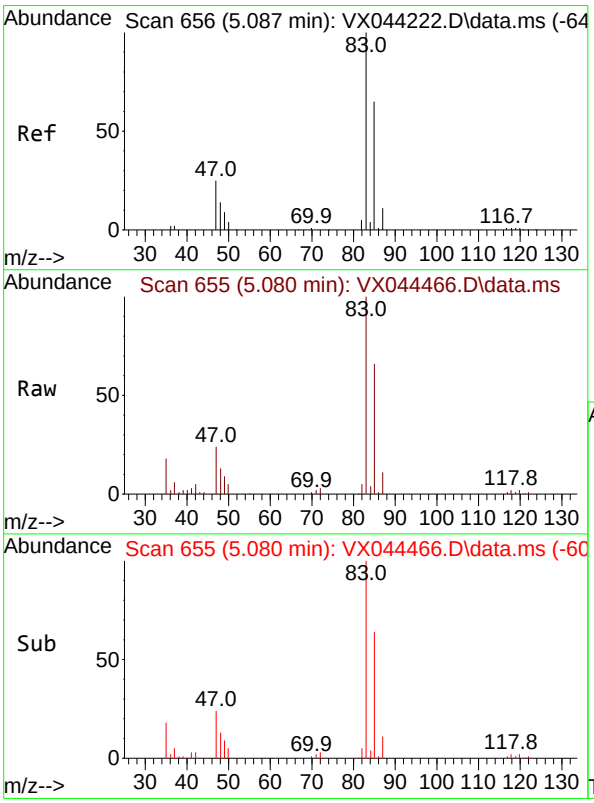

#29
Tetrahydrofuran
Concen: 211.723 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 135710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.3 | 37.0 | 55.6 |
| 71 | 42.3 | 33.6 | 50.4 |

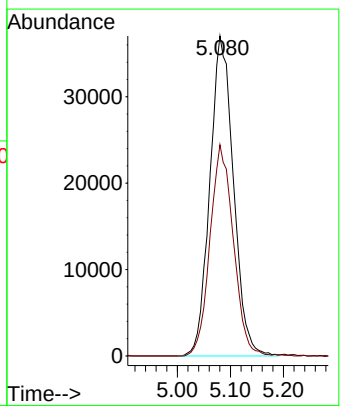


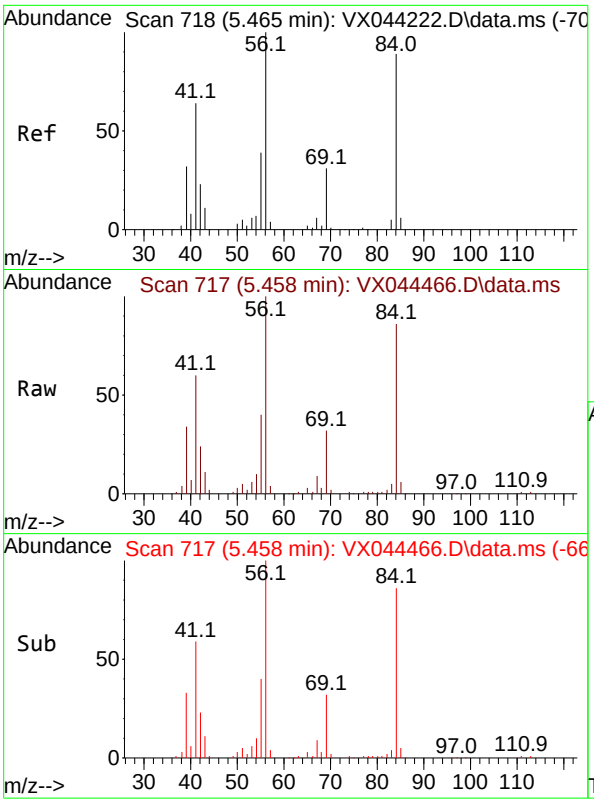




#30
Chloroform
Concen: 44.231 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 83 Resp: 114443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 51.6 | 77.4 |



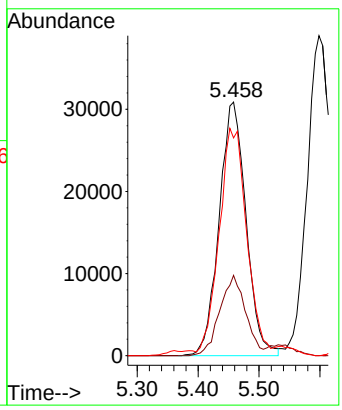


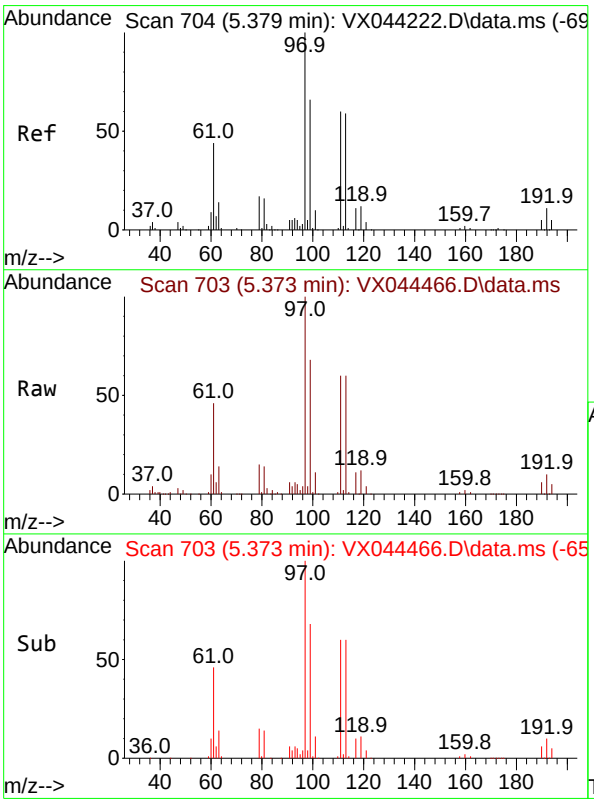

#31
Cyclohexane
Concen: 50.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 94719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.7 | 24.7 | 37.1 |
| 84 | 84.1 | 71.0 | 106.6 |

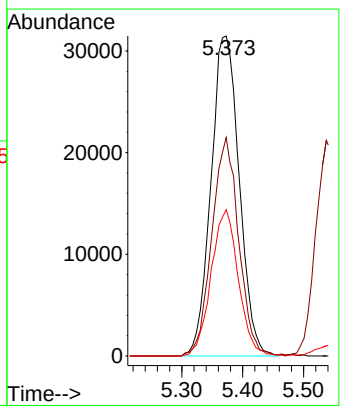


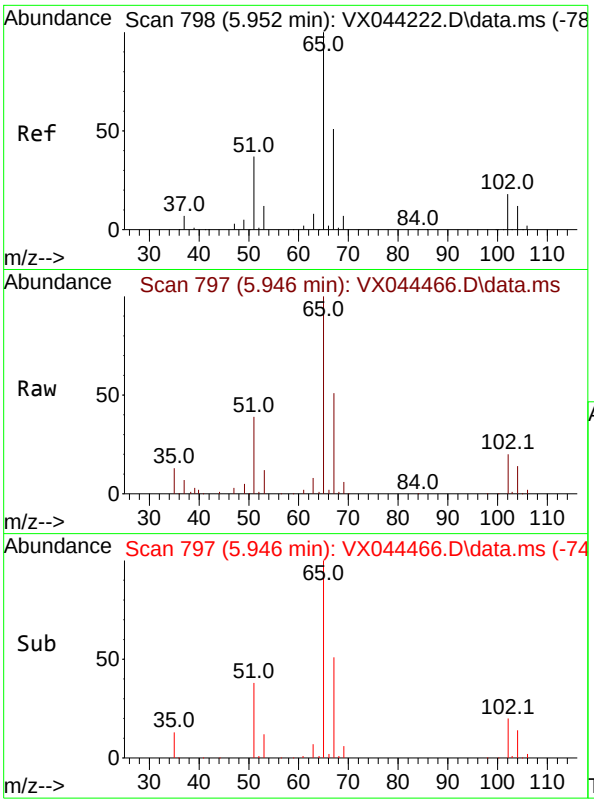




#32
1,1,1-Trichloroethane
Concen: 47.248 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 97 Resp: 101477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 50.8 | 76.2 |
| 61 | 44.1 | 35.2 | 52.8 |



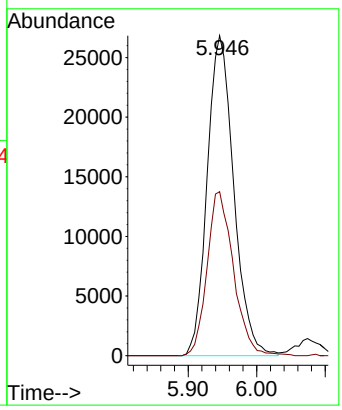


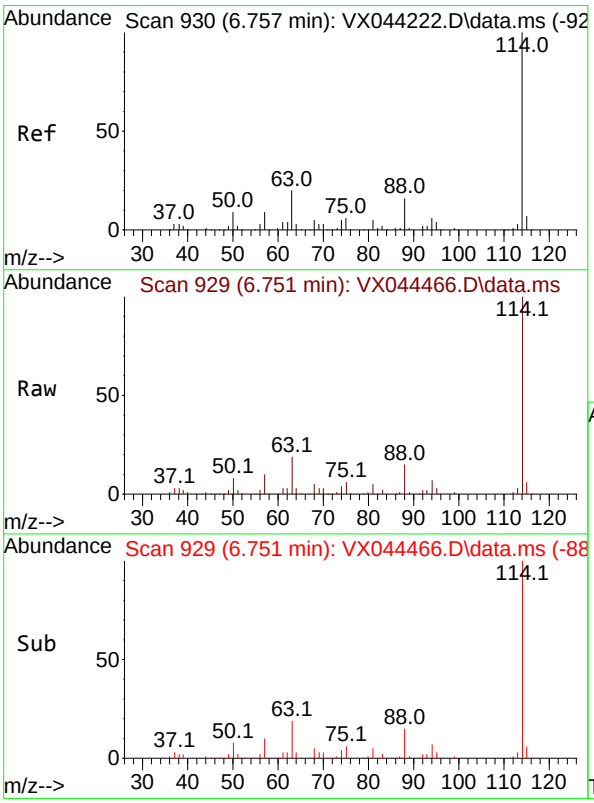

#33
1,2-Dichloroethane-d4
Concen: 41.918 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 72225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 101.6 |

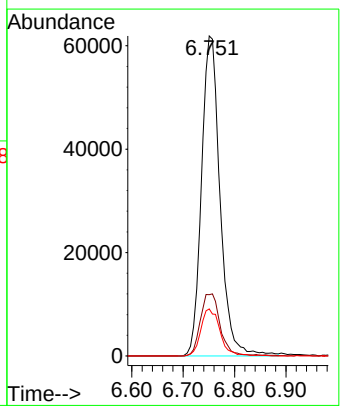


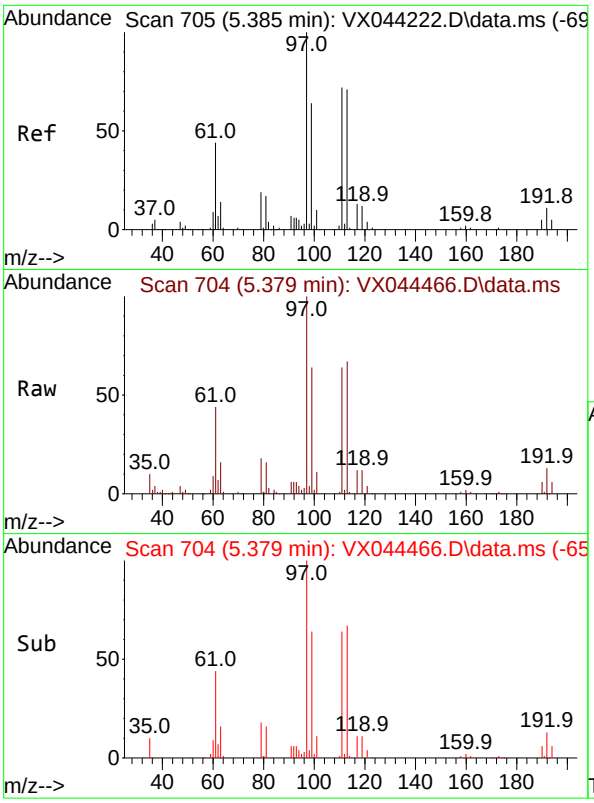




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:114 Resp: 155098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 40.6 |
| 88 | 14.7 | 0.0 | 31.8 |



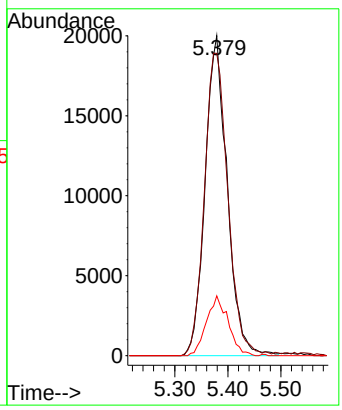


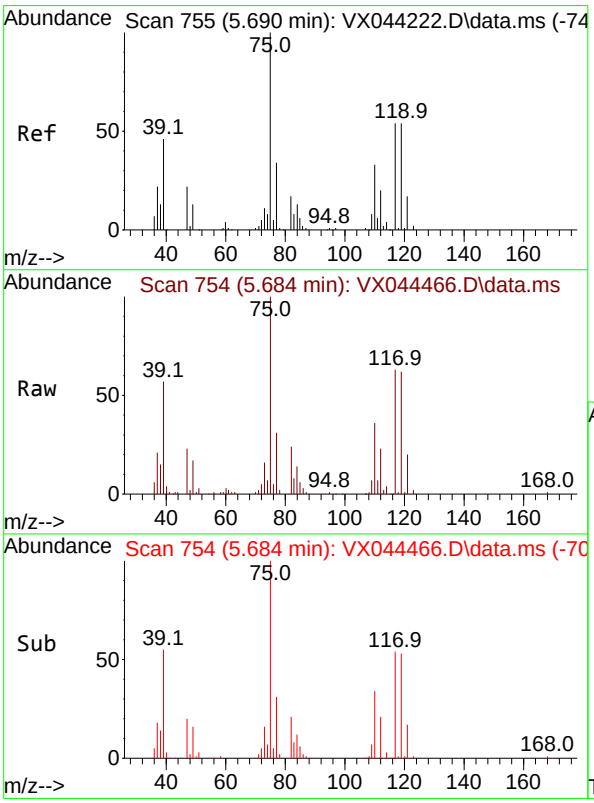

#35
Dibromofluoromethane
Concen: 53.732 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 57719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 80.4 | 120.6 |
| 192 | 18.4 | 13.3 | 19.9 |

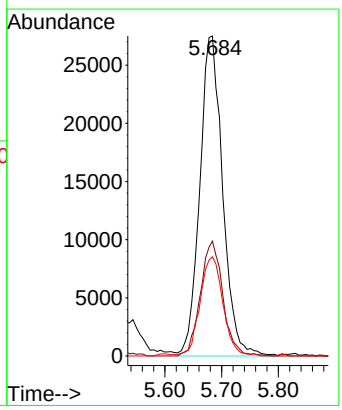


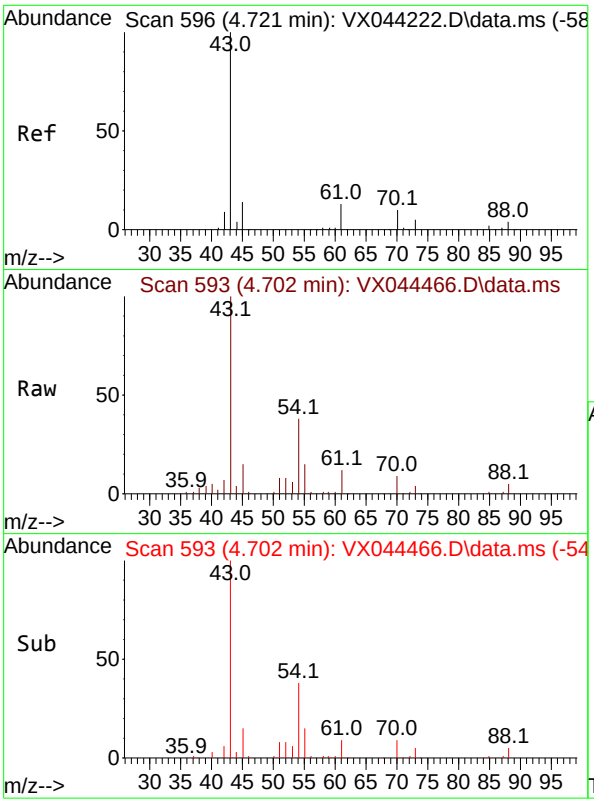




#36
1,1-Dichloropropene
Concen: 55.509 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 77076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.2 | 17.3 | 51.7 |
| 77 | 31.1 | 25.4 | 38.0 |



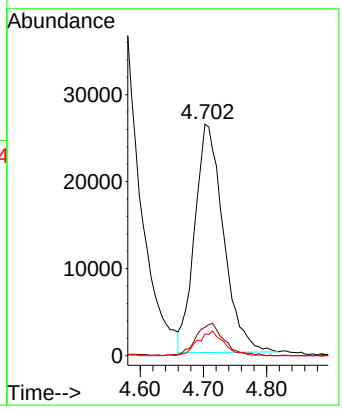


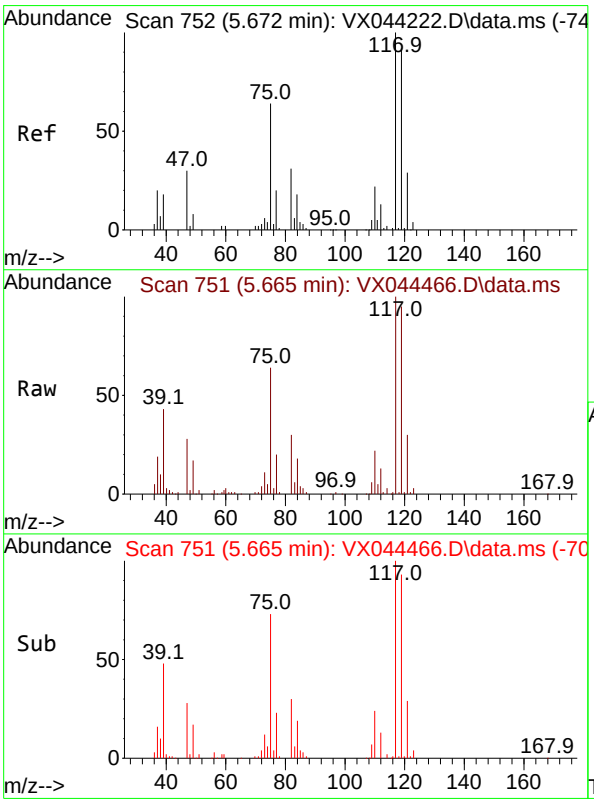

#37
Ethyl Acetate
Concen: 48.216 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.018 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 82758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.9 | 9.8 | 14.8 |
| 70 | 9.9 | 7.7 | 11.5 |

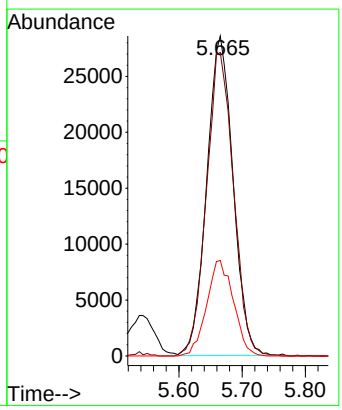


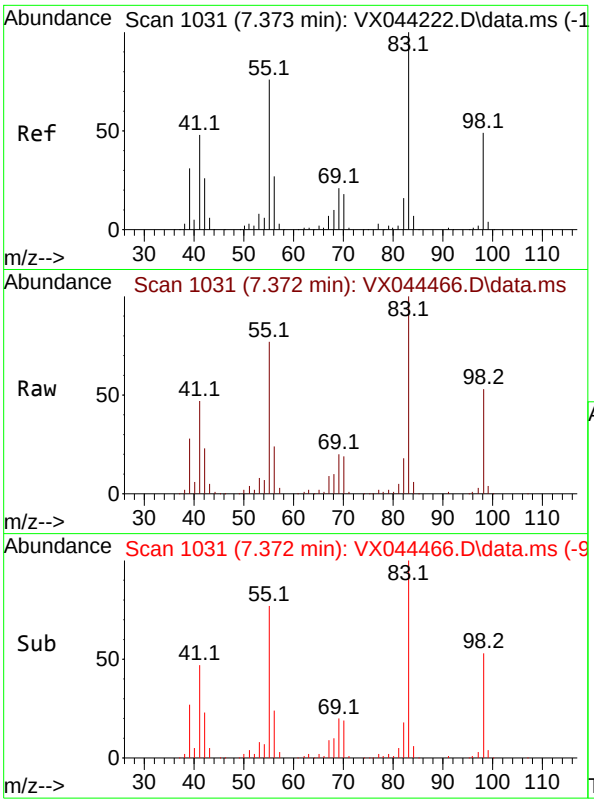




#38
Carbon Tetrachloride
Concen: 55.181 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:117 Resp: 82491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 74.2 | 111.4 |
| 121 | 29.9 | 23.0 | 34.6 |



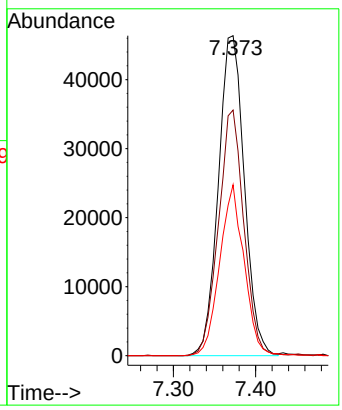


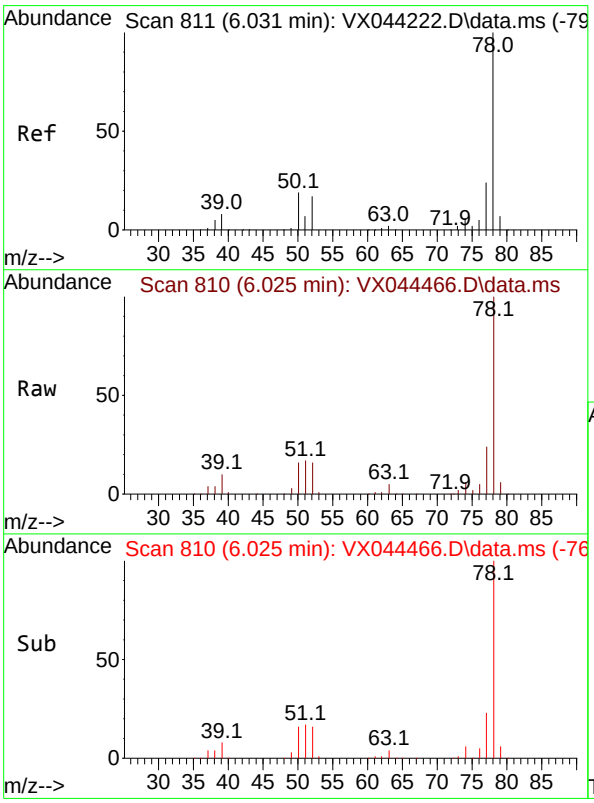

#39
Methylcyclohexane
Concen: 61.418 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 101951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.8 | 60.7 | 91.1 |
| 98 | 53.4 | 38.9 | 58.3 |

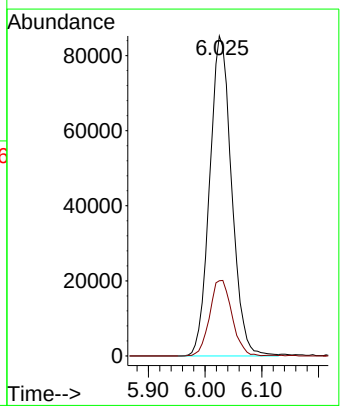


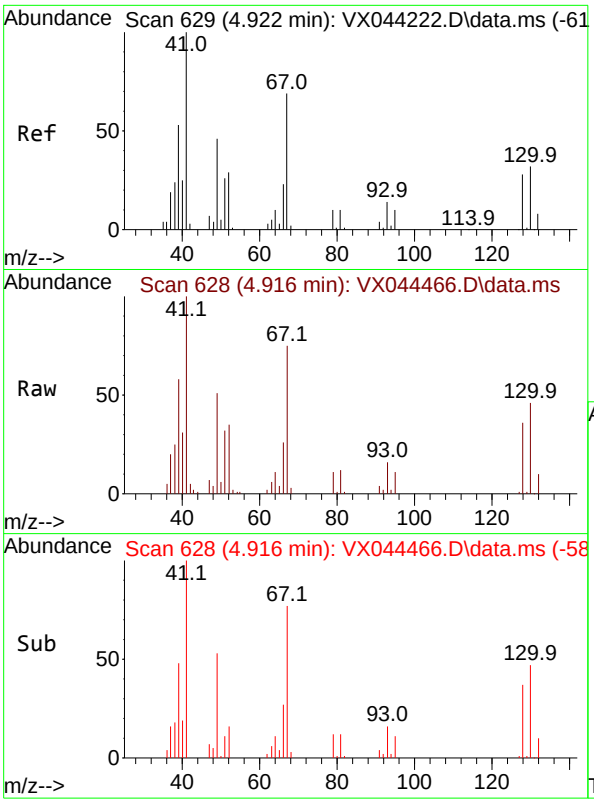




#40
Benzene
Concen: 54.397 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 78 Resp: 229329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 19.3 | 28.9 |



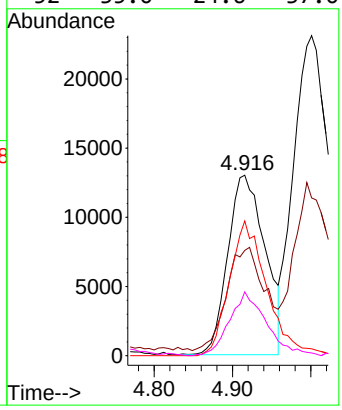


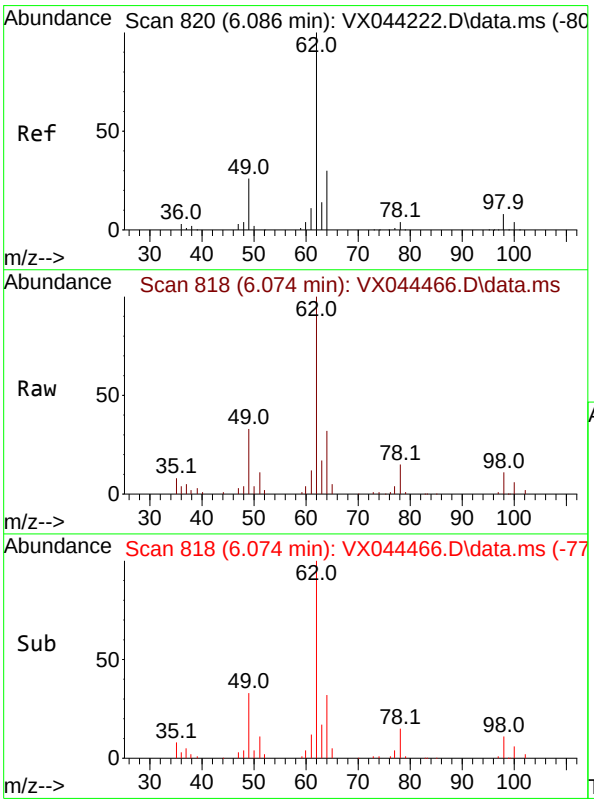

#41
Methacrylonitrile
Concen: 47.172 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 42994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.4 | 44.2 | 66.4 |
| 67 | 75.7 | 57.2 | 85.8 |
| 52 | 35.0 | 24.6 | 37.0 |

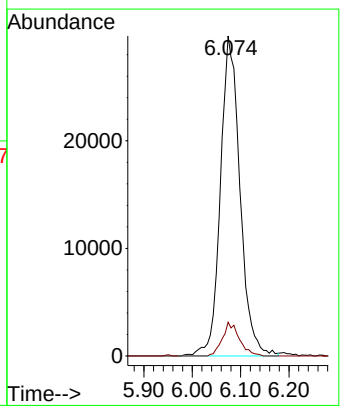


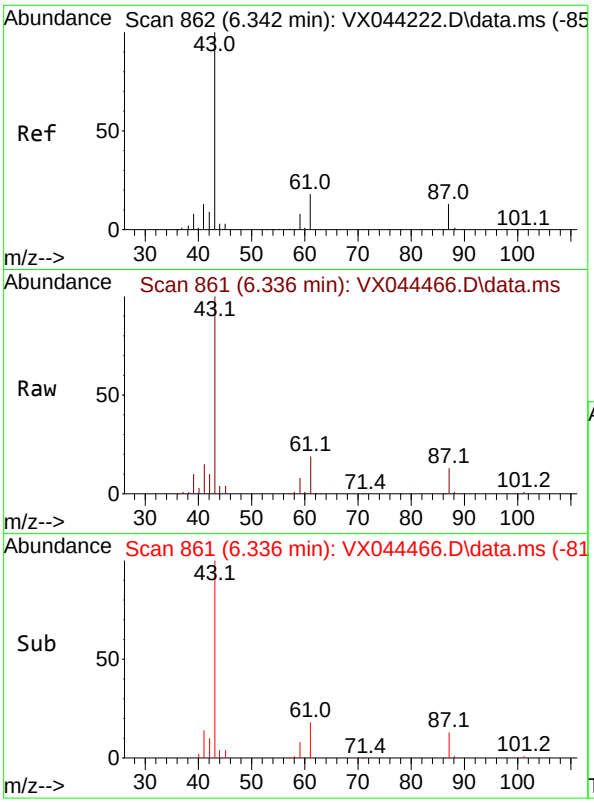




#42
1,2-Dichloroethane
Concen: 48.161 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.012 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 62 Resp: 83638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 15.8 |



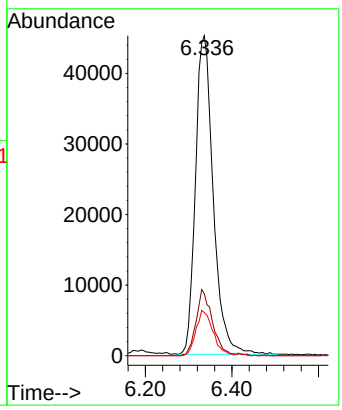


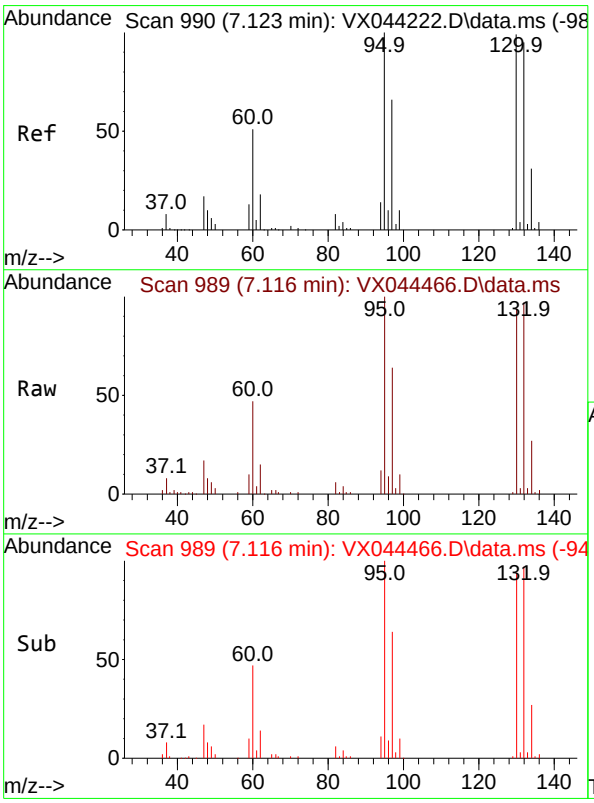

#43
Isopropyl Acetate
Concen: 47.918 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 128551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 14.2 | 21.2 |
| 87 | 13.5 | 10.2 | 15.2 |

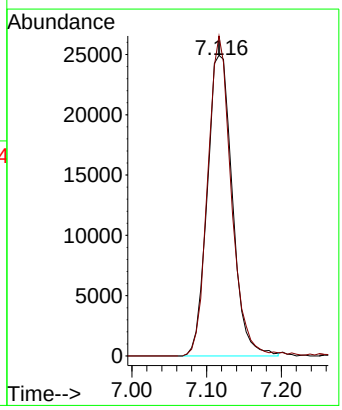


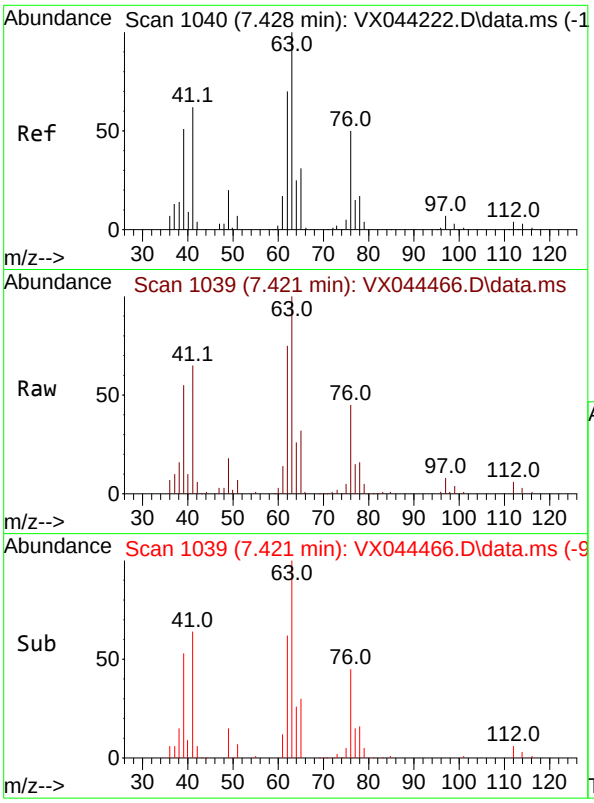




#44
Trichloroethene
Concen: 55.326 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:130 Resp: 58165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 106.5 | 0.0 | 201.4 |



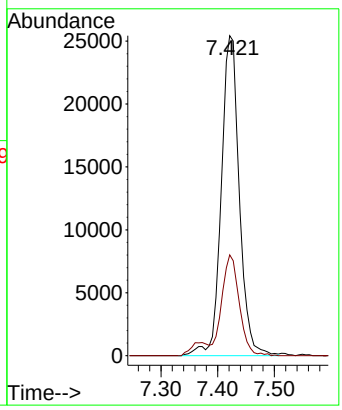


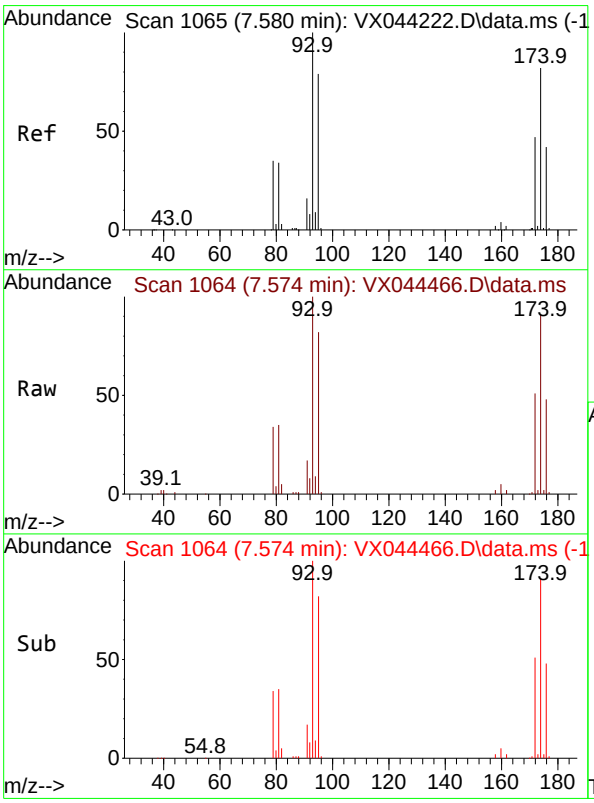

#45
1,2-Dichloropropane
Concen: 52.281 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 56311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 24.6 | 37.0 |

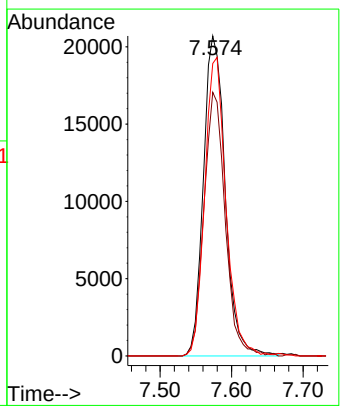


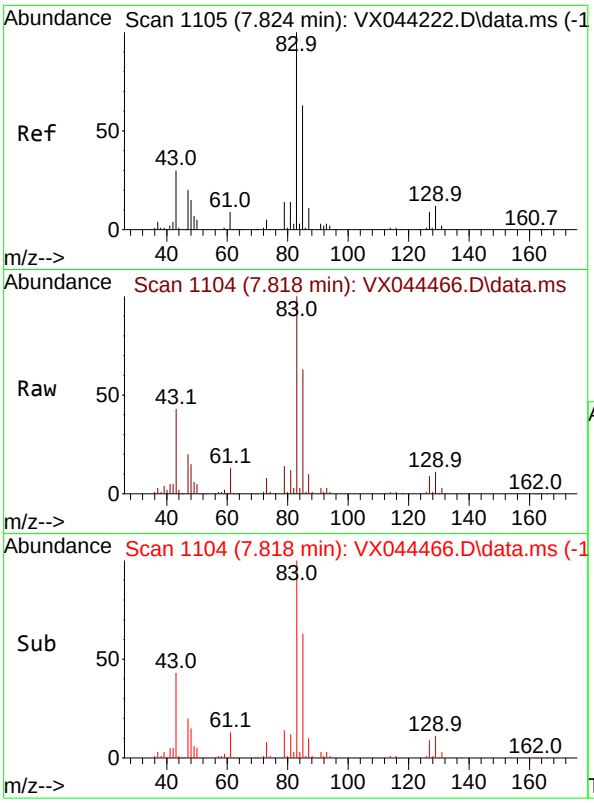




#46
Dibromomethane
Concen: 52.402 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 93 Resp: 43787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.6 | 65.4 | 98.2 |
| 174 | 91.3 | 67.9 | 101.9 |



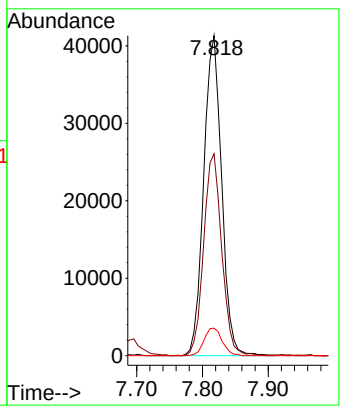


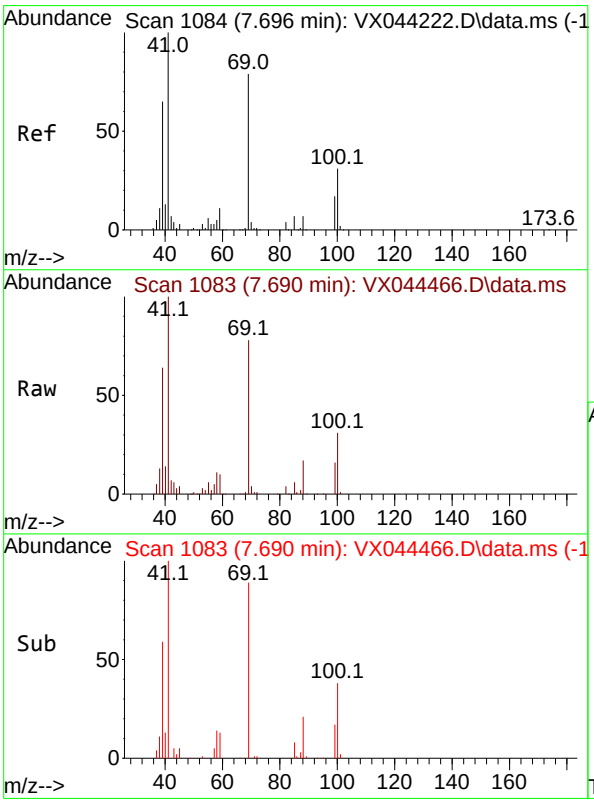

#47
Bromodichloromethane
Concen: 54.300 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 78361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 50.6 | 75.8 |
| 127 | 8.6 | 7.3 | 10.9 |

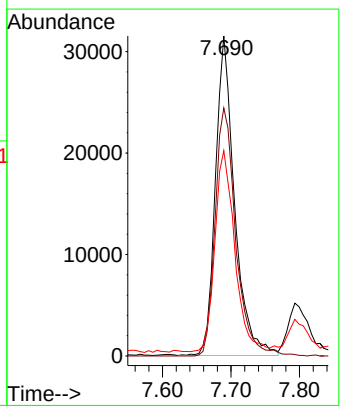


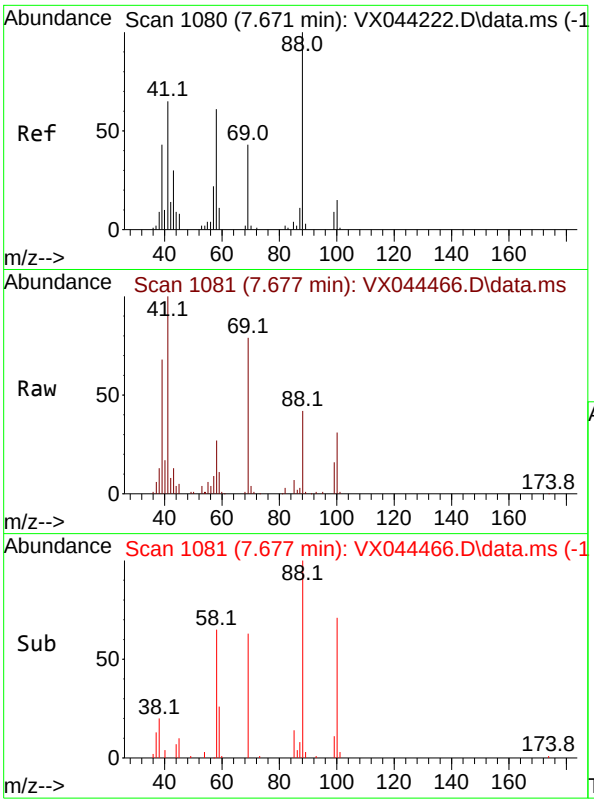




#48
Methyl methacrylate
Concen: 46.898 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 41 Resp: 61073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.9 | 62.4 | 93.6 |
| 39 | 65.2 | 53.3 | 79.9 |



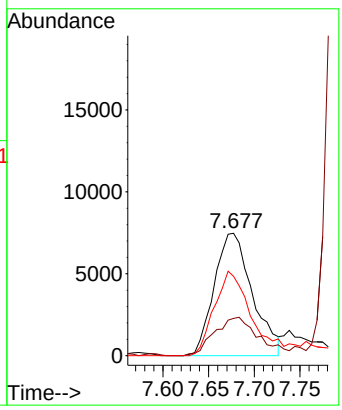


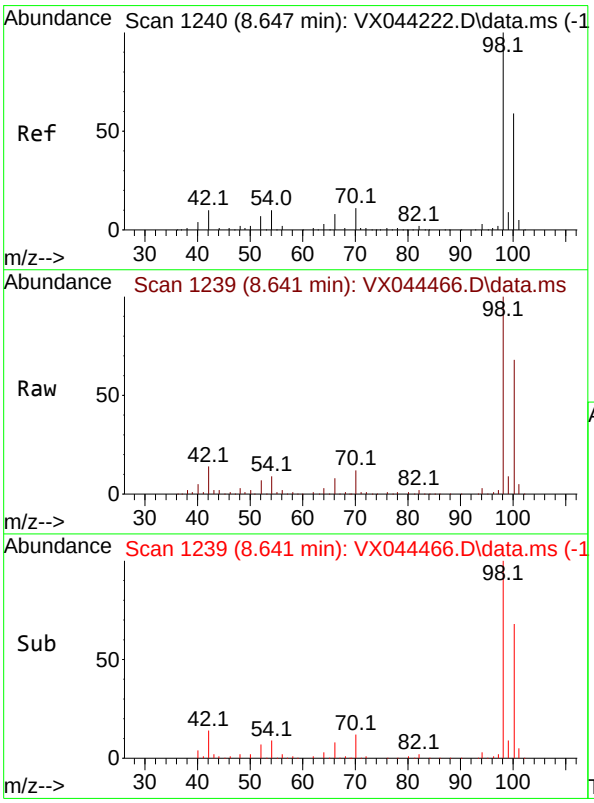

#49
1,4-Dioxane
Concen: 1005.738 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 21715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.1 | 27.1 | 40.7 |
| 58 | 68.3 | 41.0 | 61.4# |

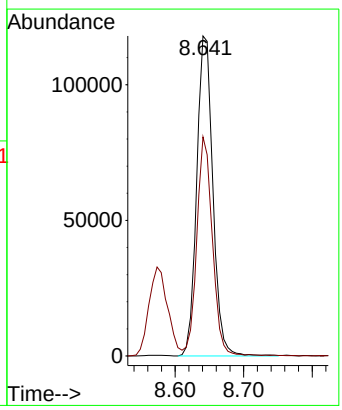


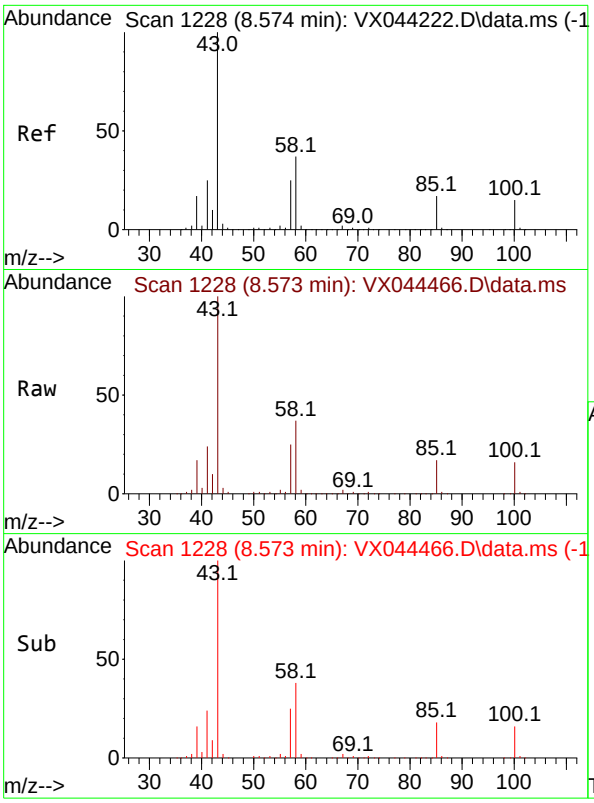




#50
Toluene-d8
Concen: 53.468 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 98 Resp: 193768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 51.5 | 77.3 |



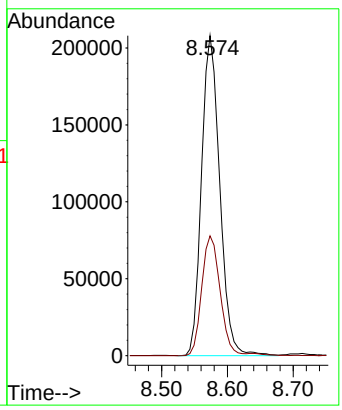


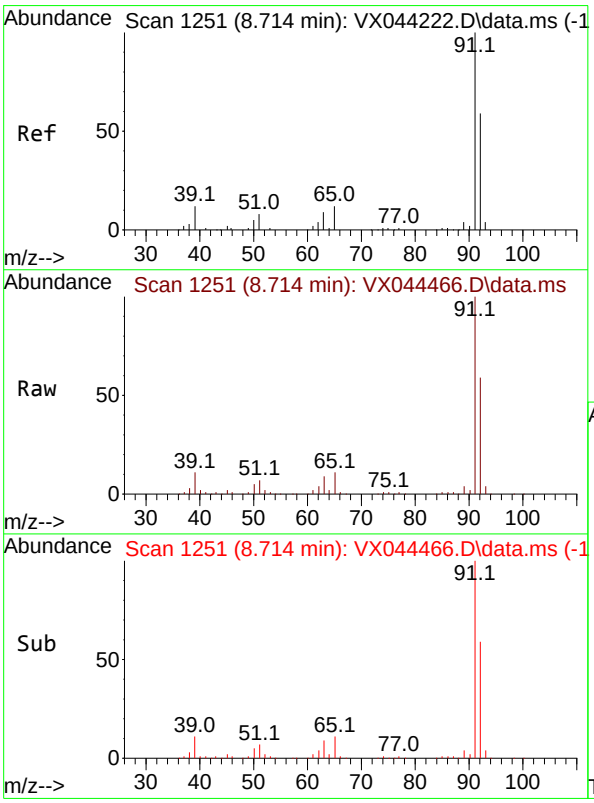

#51
4-Methyl-2-Pentanone
Concen: 233.216 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 402283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 29.4 | 44.0 |

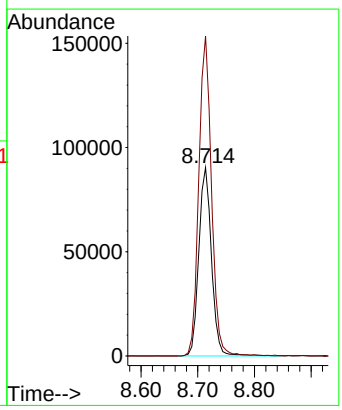


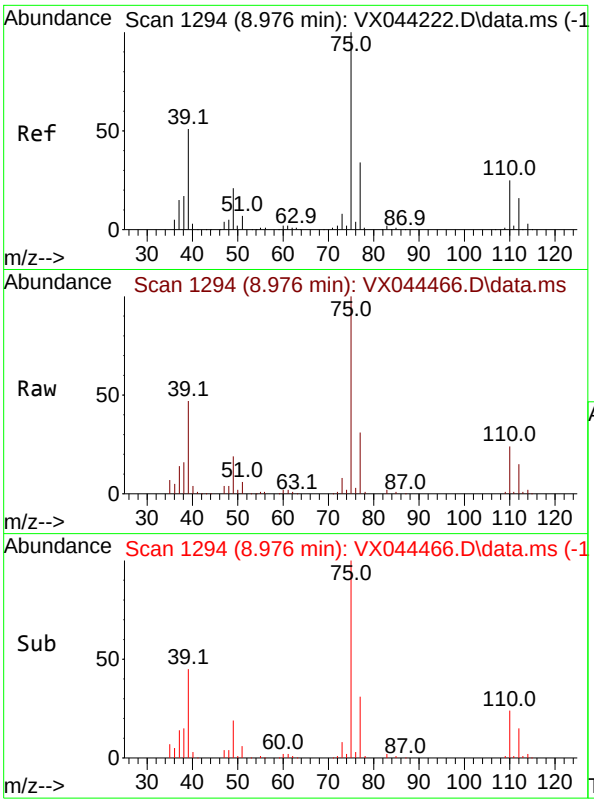




#52
Toluene
Concen: 52.949 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 92 Resp: 140179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.0 | 137.0 | 205.6 |



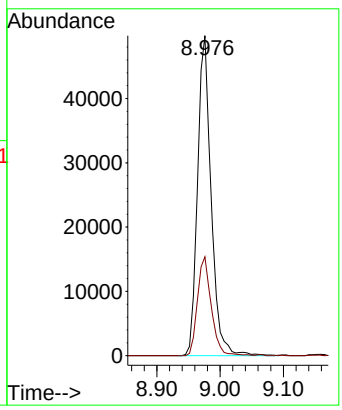


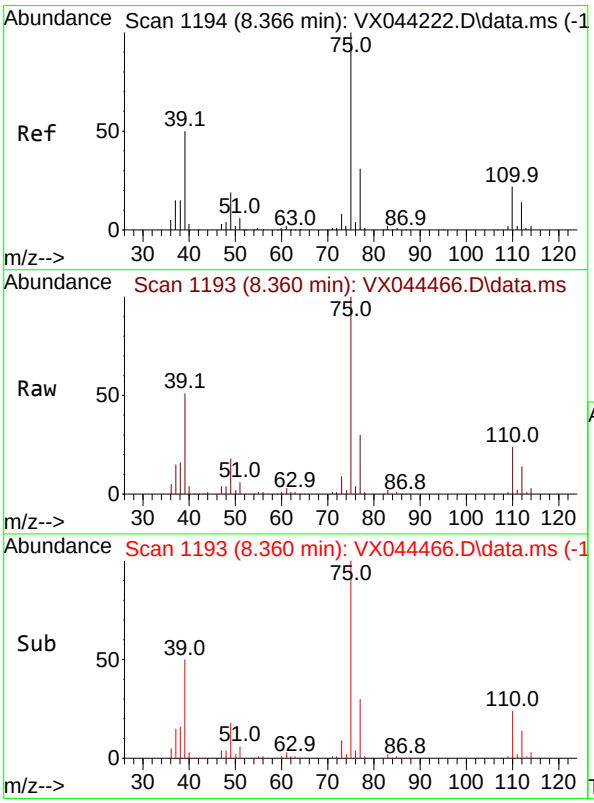

#53
t-1,3-Dichloropropene
Concen: 48.256 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 74563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 27.2 | 40.8 |

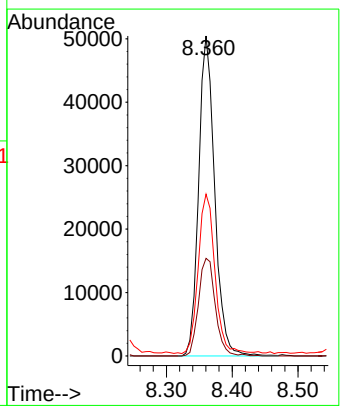


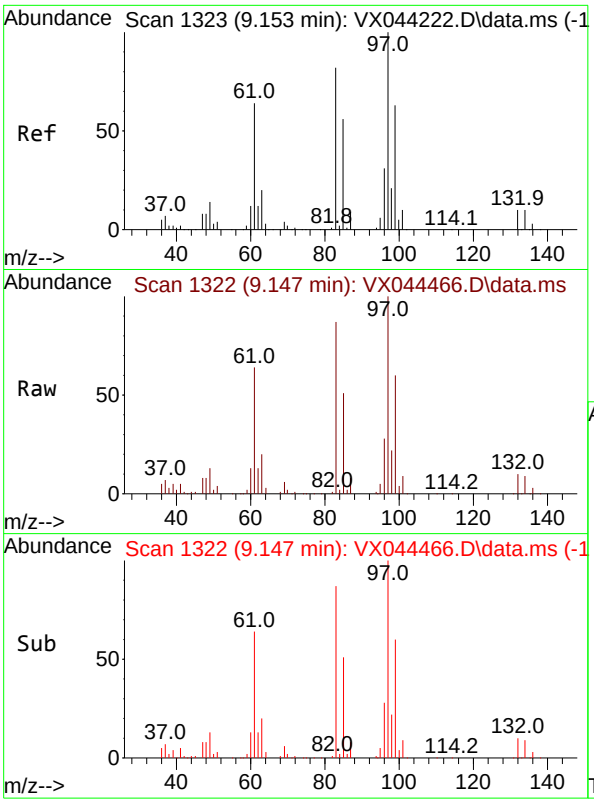




#54
cis-1,3-Dichloropropene
Concen: 54.358 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 85414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 24.7 | 37.1 |
| 39 | 49.6 | 40.3 | 60.5 |



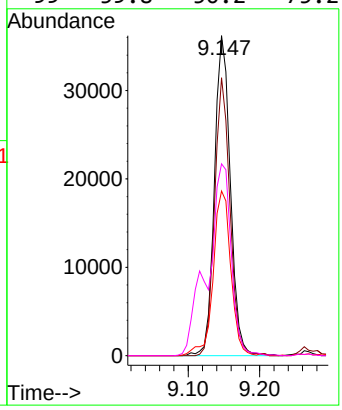


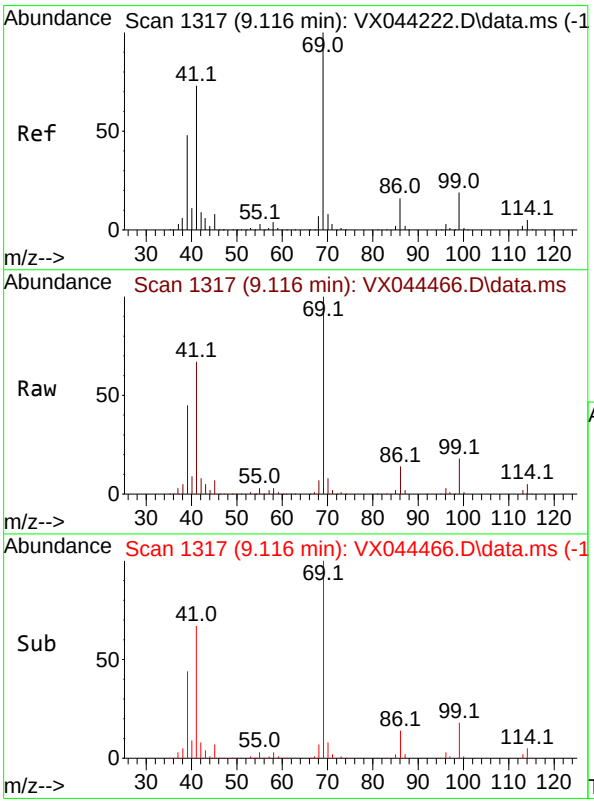

#55
1,1,2-Trichloroethane
Concen: 53.264 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 56021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.8 | 65.3 | 97.9 |
| 85 | 51.4 | 44.6 | 67.0 |
| 99 | 59.8 | 50.2 | 75.2 |

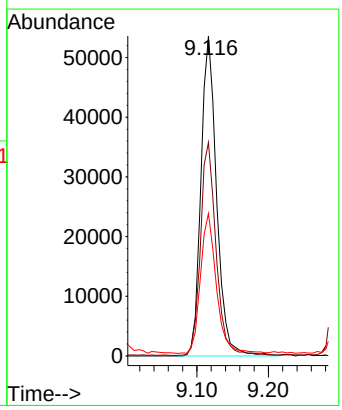


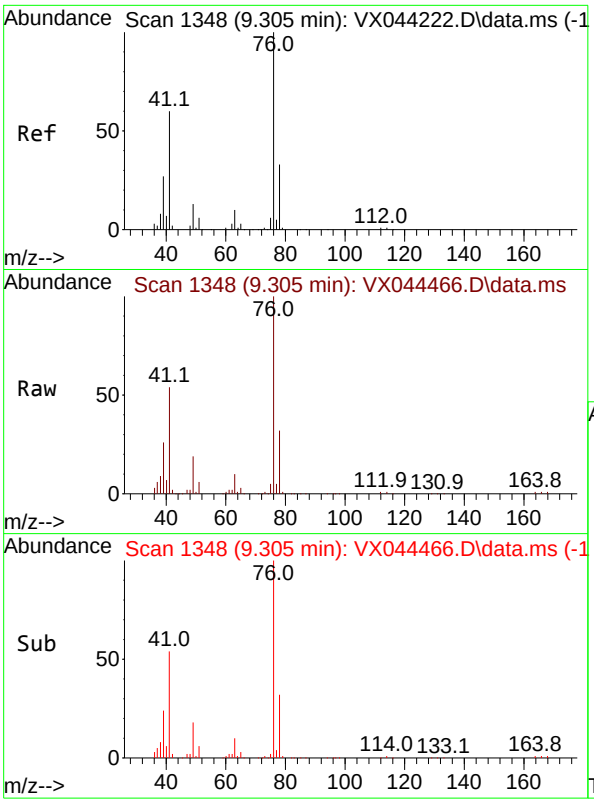




#56
Ethyl methacrylate
Concen: 49.194 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 69 Resp: 81680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 66.3 | 56.6 | 85.0 |
| 39 | 44.3 | 37.4 | 56.0 |



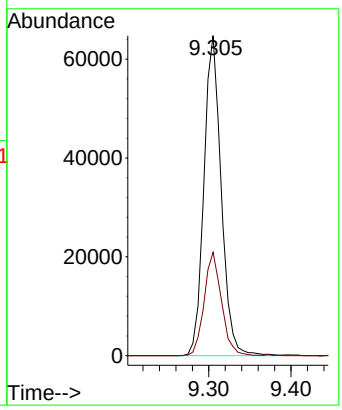


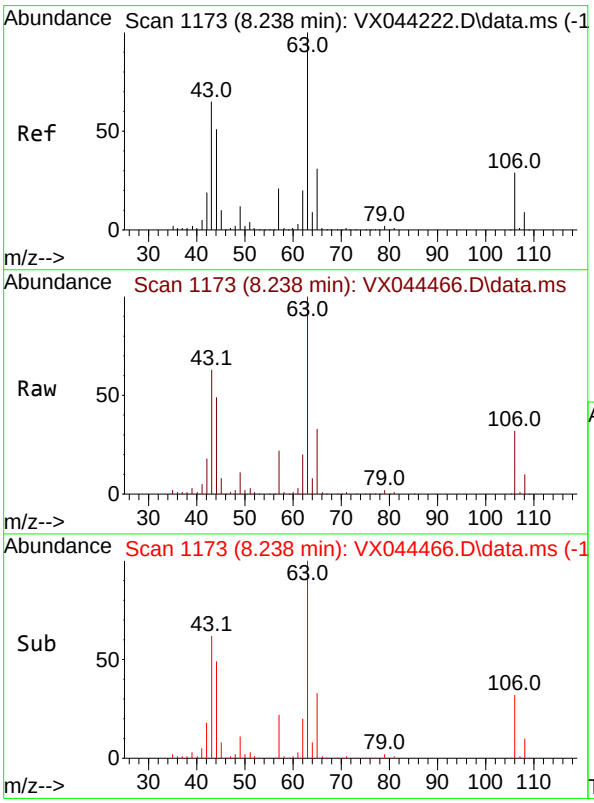

#57
1,3-Dichloropropane
Concen: 51.667 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 94586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.5 | 39.7 |

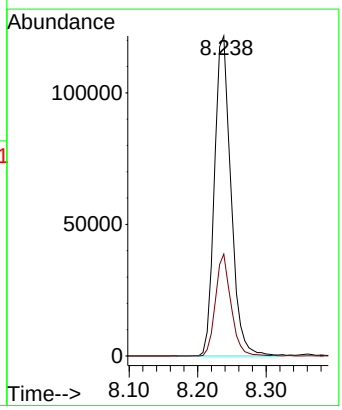


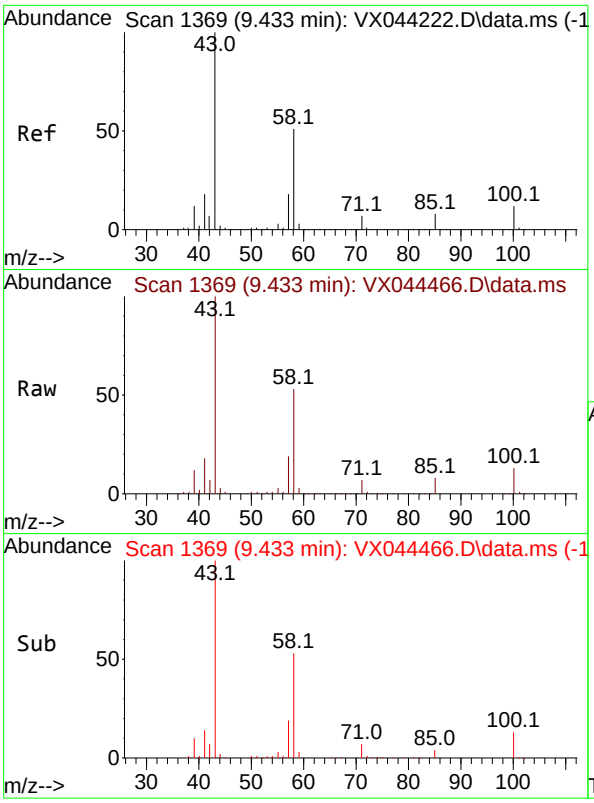




#58
2-Chloroethyl Vinyl ether
Concen: 242.753 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 63 Resp: 203293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.0 | 22.8 | 34.2 |



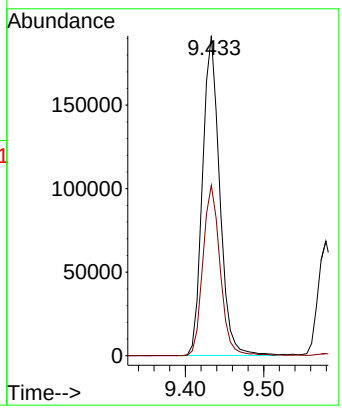


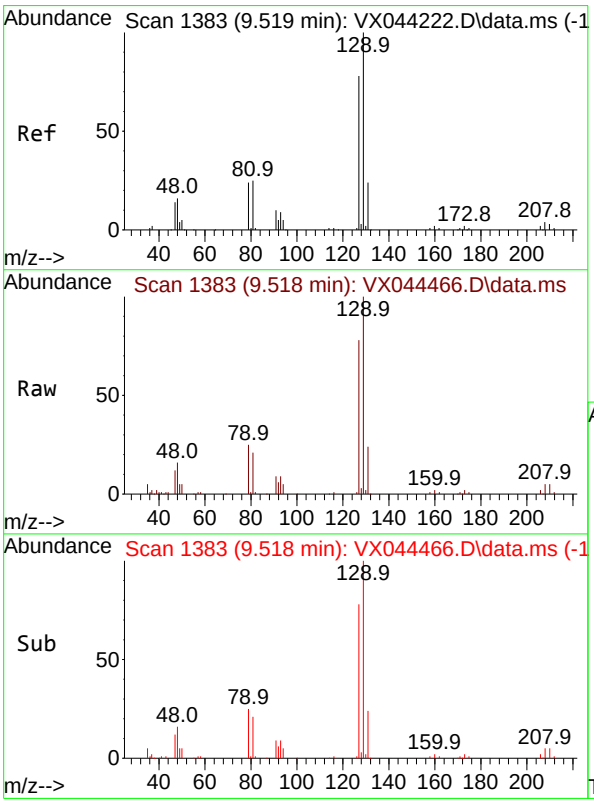

#59
2-Hexanone
Concen: 233.464 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 291491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 25.7 | 77.0 |

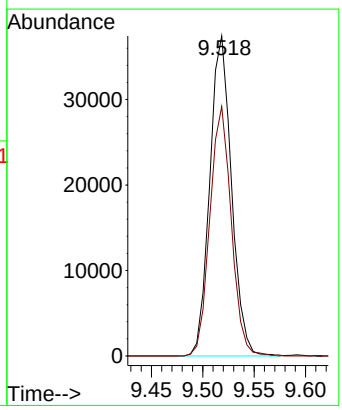


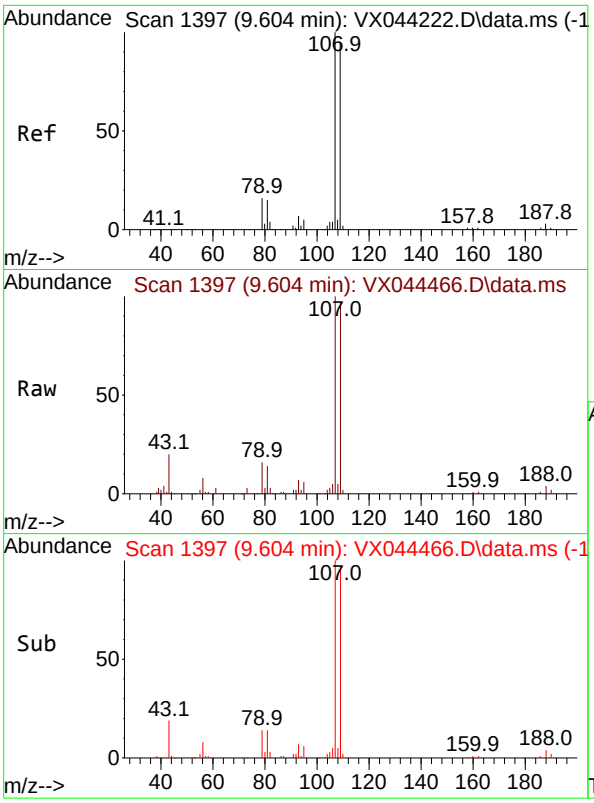




#60
Dibromochloromethane
Concen: 49.335 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:129 Resp: 54898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.5 | 115.3 |



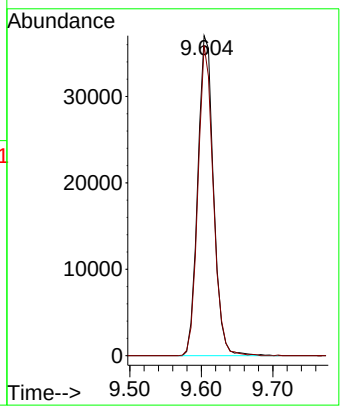


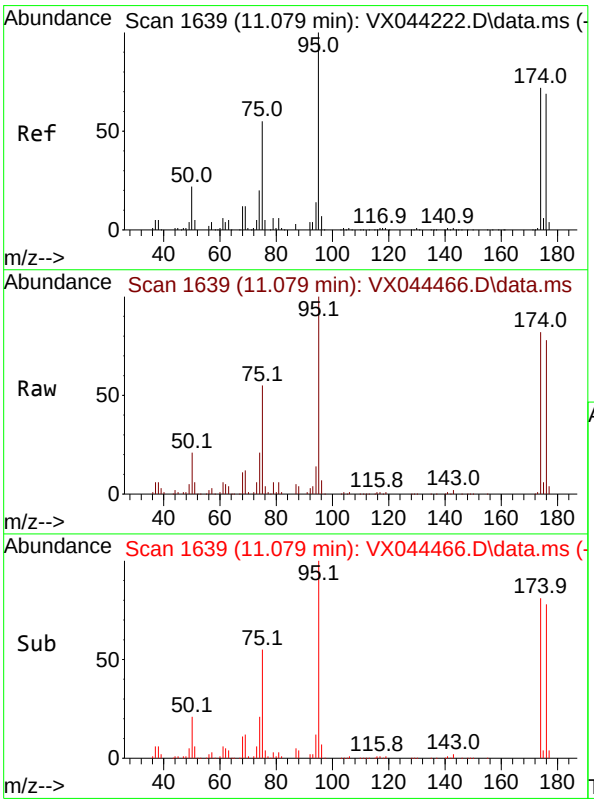

#61
1,2-Dibromoethane
Concen: 52.895 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 56628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 77.0 | 115.4 |

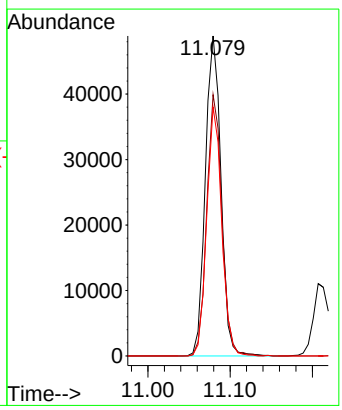


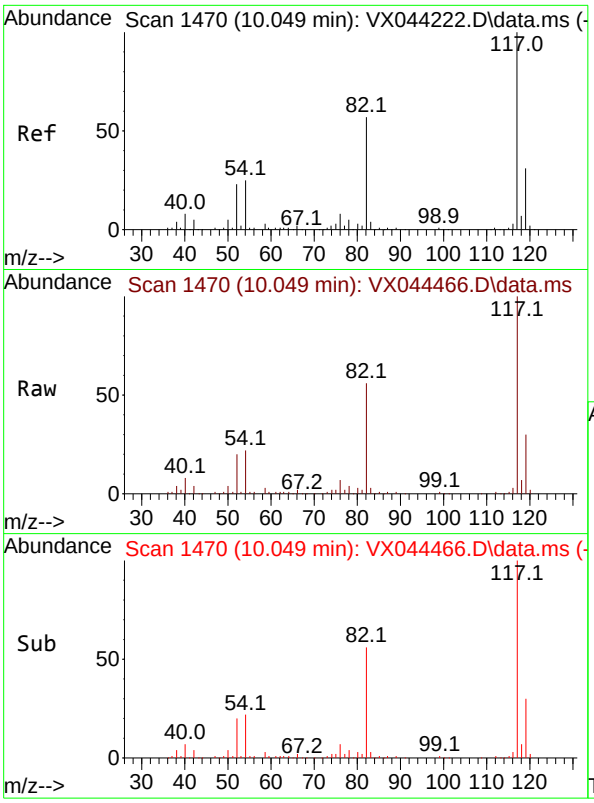




#62
4-Bromofluorobenzene
Concen: 50.827 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 95 Resp: 64363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.7 | 0.0 | 145.8 |
| 176 | 74.8 | 0.0 | 137.8 |



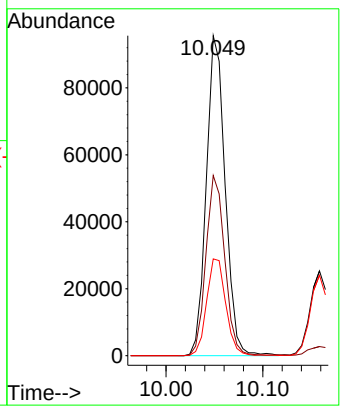


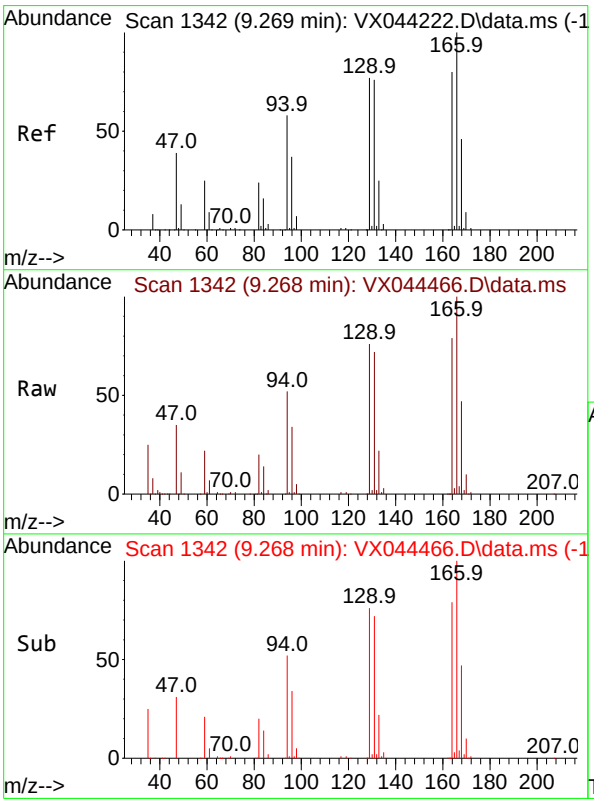

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 129773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 45.8 | 68.8 |
| 119 | 30.2 | 25.0 | 37.4 |

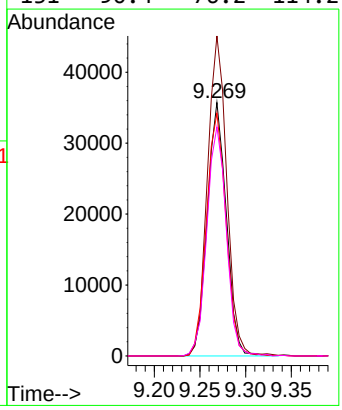


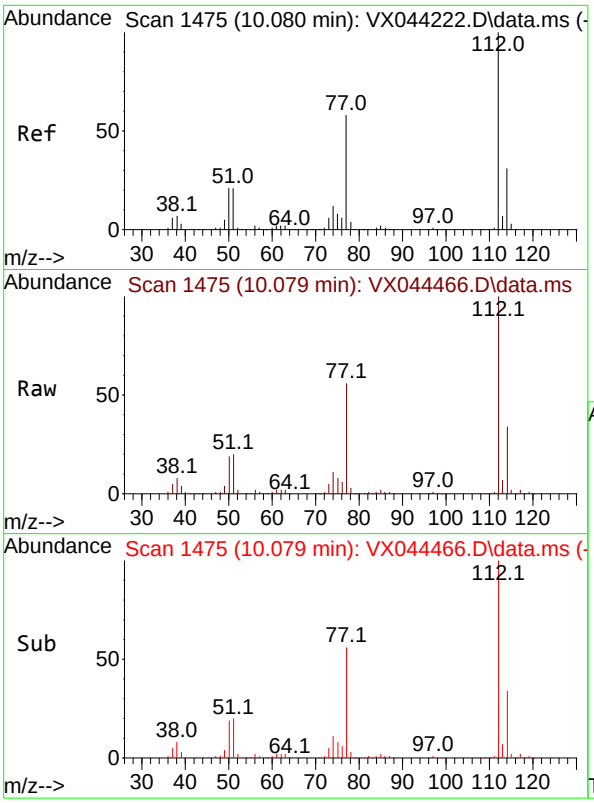




#64
Tetrachloroethene
Concen: 60.182 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:164 Resp: 51836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.3 | 100.4 | 150.6 |
| 129 | 95.7 | 77.2 | 115.8 |
| 131 | 90.4 | 76.2 | 114.2 |



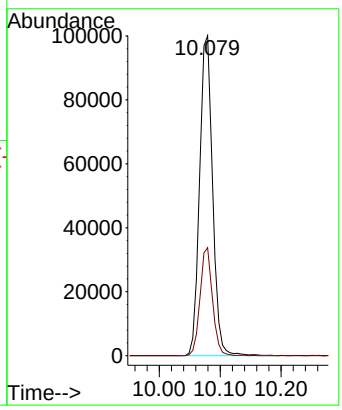


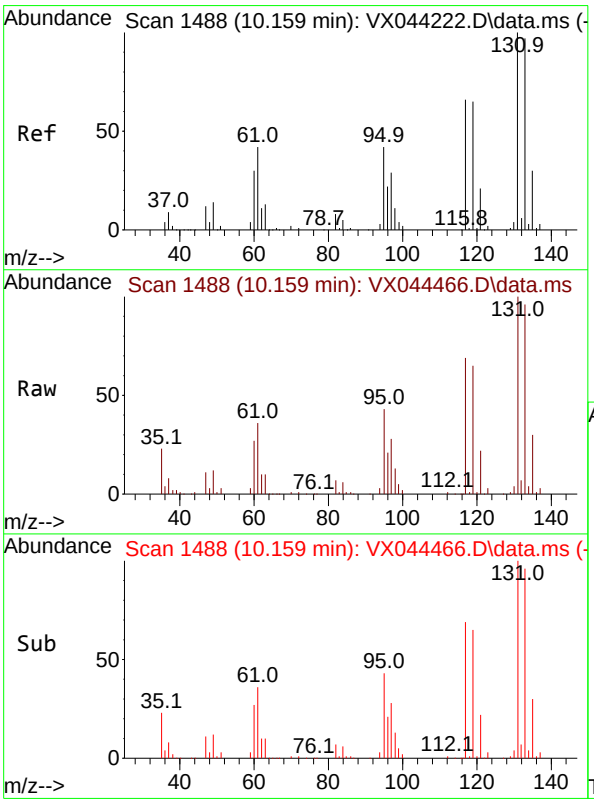

#65
Chlorobenzene
Concen: 53.435 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 148588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.7 | 25.0 | 37.6 |

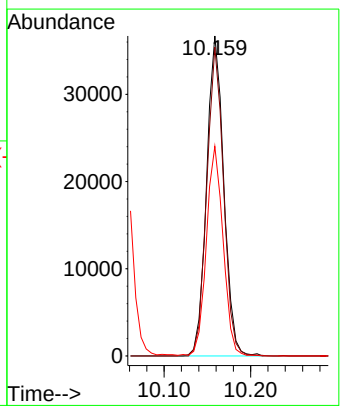


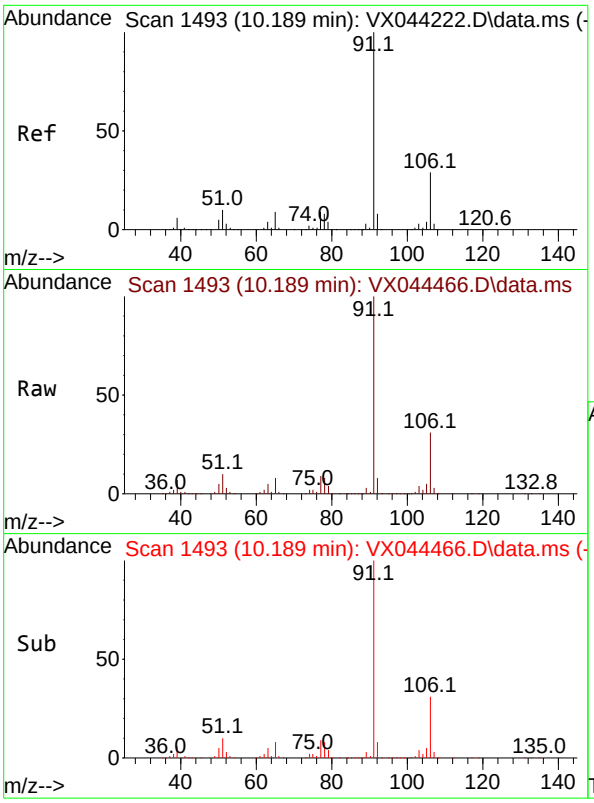




#66
1,1,1,2-Tetrachloroethane
Concen: 56.575 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:131 Resp: 50561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.2 | 47.3 | 141.8 |
| 119 | 63.8 | 31.6 | 95.0 |



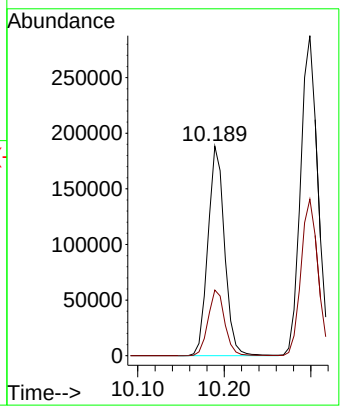


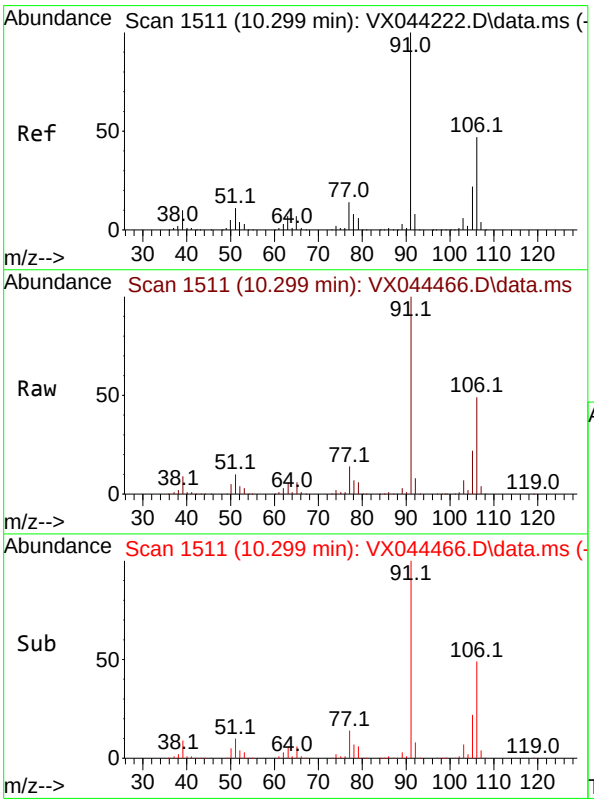

#67
Ethyl Benzene
Concen: 52.159 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 250606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 23.5 | 35.3 |

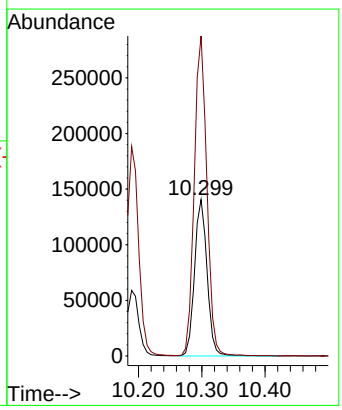


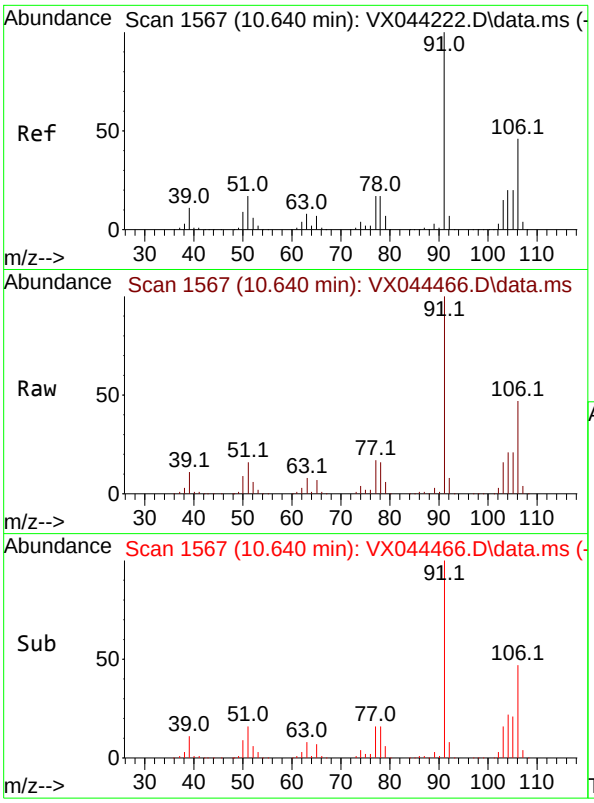




#68
m/p-Xylenes
Concen: 110.024 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:106 Resp: 193976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.1 | 170.2 | 255.2 |



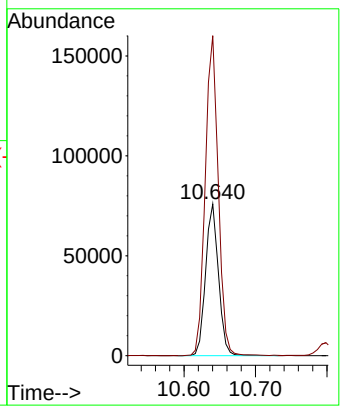


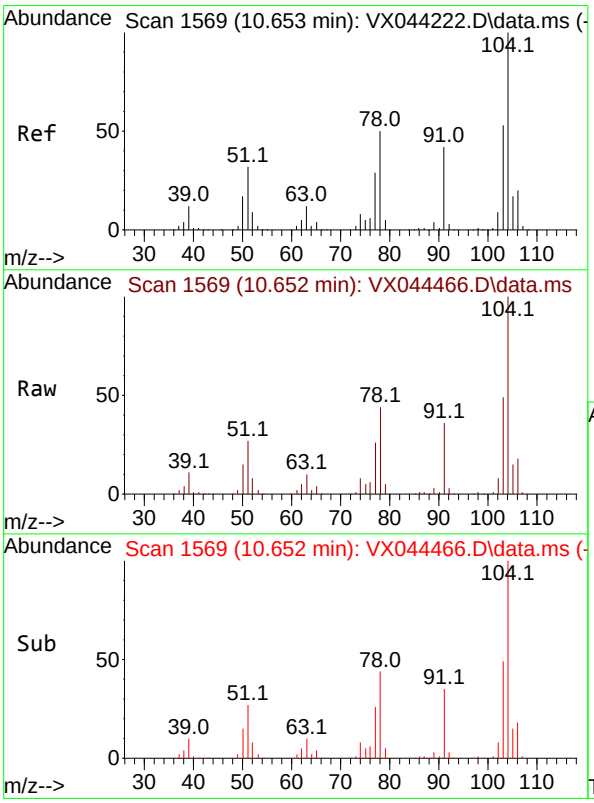

#69
o-Xylene
Concen: 53.232 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 94957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.5 | 112.3 | 337.0 |

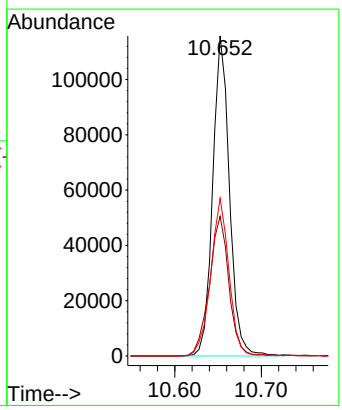


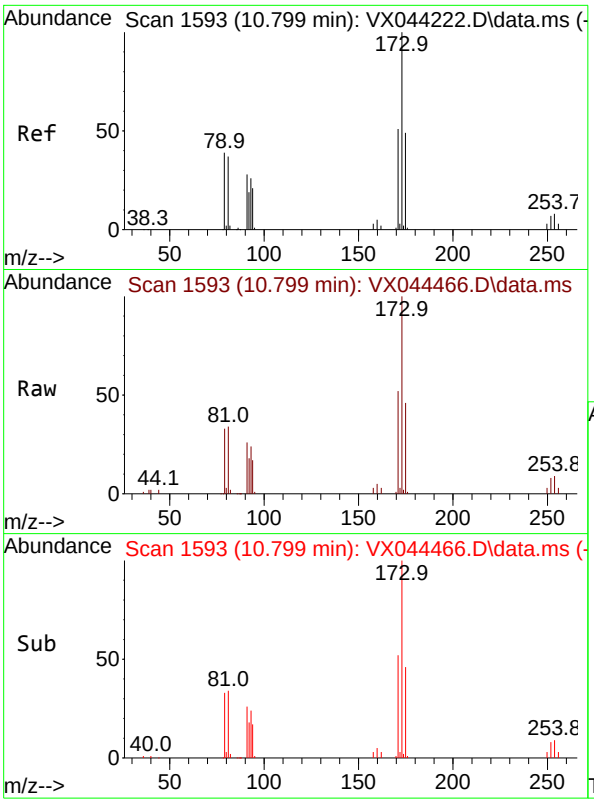




#70
Styrene
Concen: 54.396 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:104 Resp: 155555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 44.6 | 67.0 |
| 103 | 54.0 | 45.4 | 68.0 |



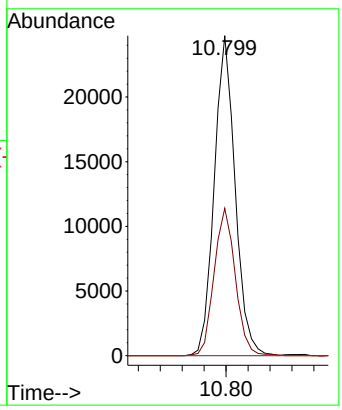


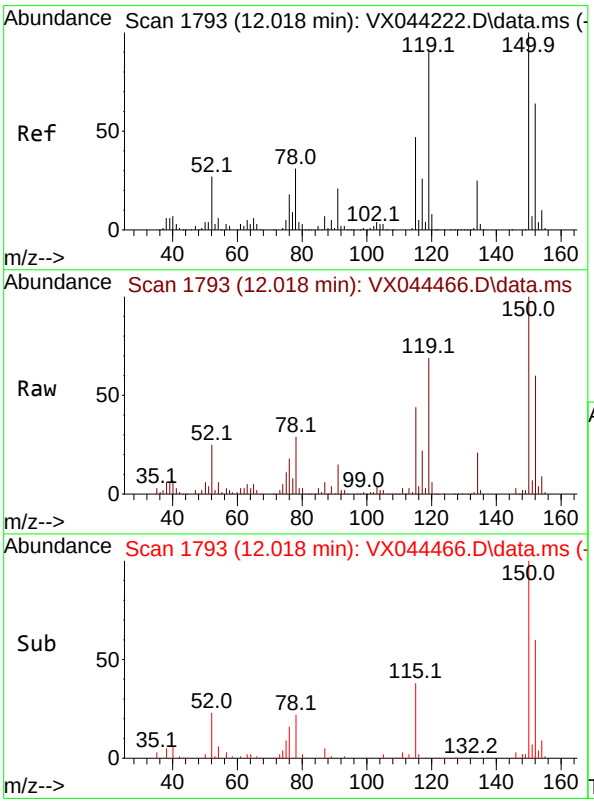

#71
Bromoform
Concen: 52.112 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 32723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

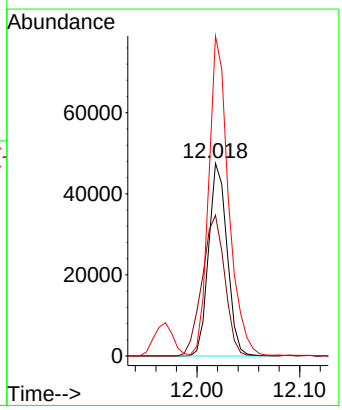


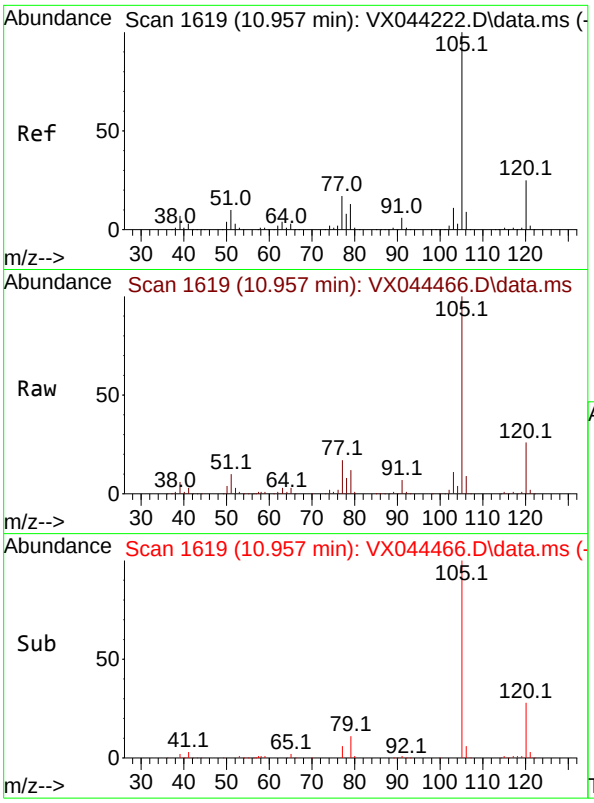




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:152 Resp: 59280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 89.6 | 44.5 | 133.3 |
| 150 | 179.1 | 0.0 | 353.8 |



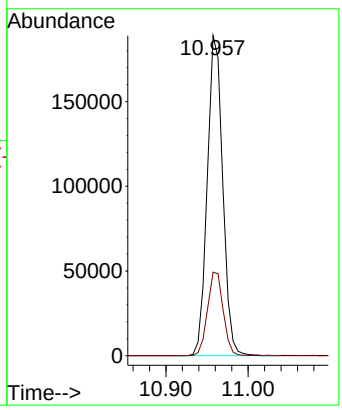


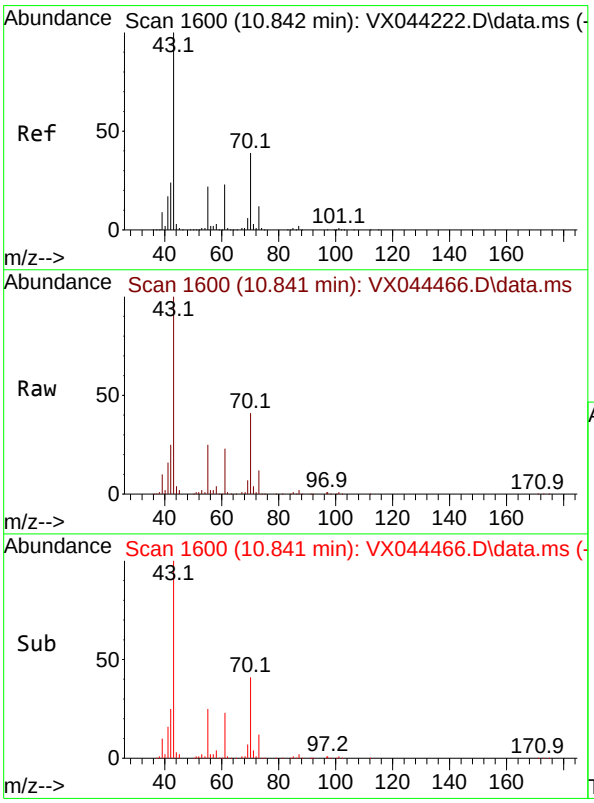

#73
Isopropylbenzene
Concen: 54.392 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 246838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.1 | 39.3 |

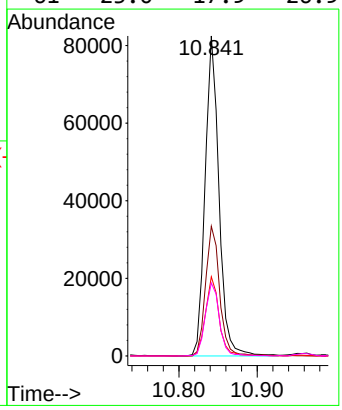


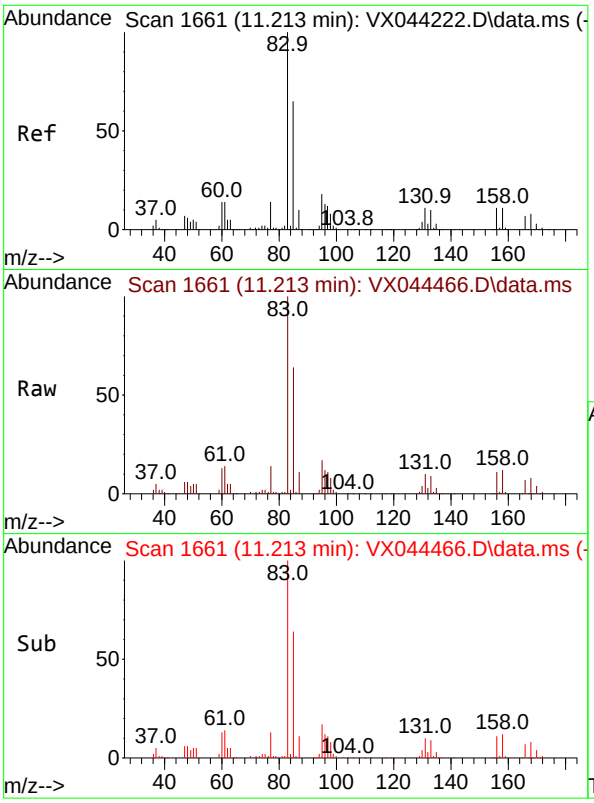




#74
N-amyl acetate
Concen: 48.214 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 43 Resp: 101119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 31.9 | 47.9 |
| 55 | 24.4 | 17.9 | 26.9 |
| 61 | 23.0 | 17.9 | 26.9 |



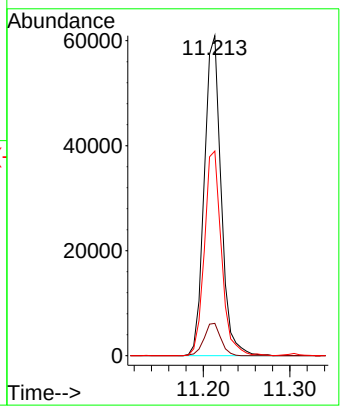


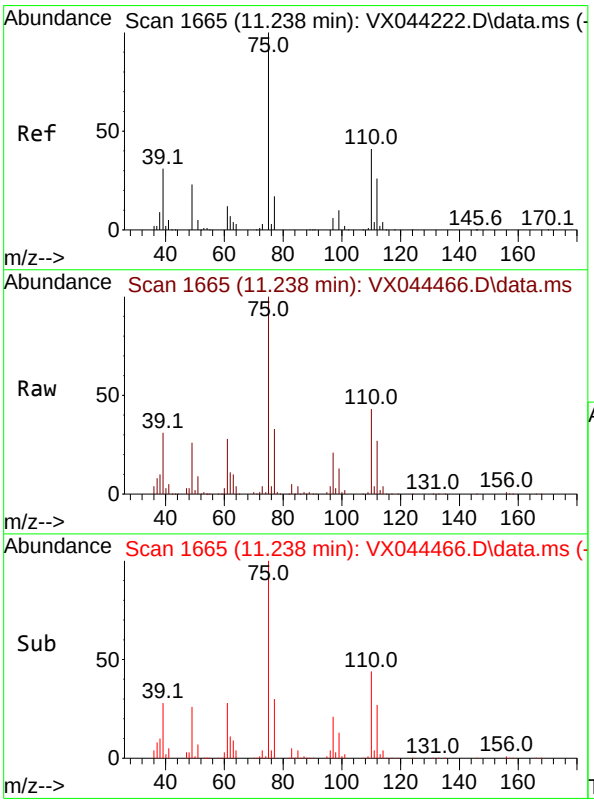

#75
1,1,2,2-Tetrachloroethane
Concen: 52.066 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 82068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.1 | 15.4 |
| 85 | 64.9 | 32.5 | 97.4 |

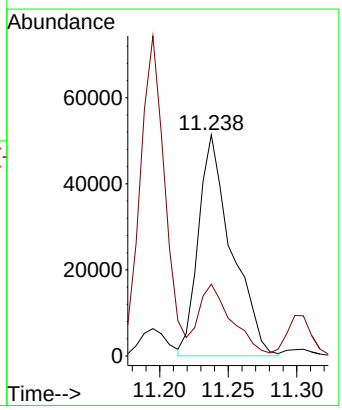


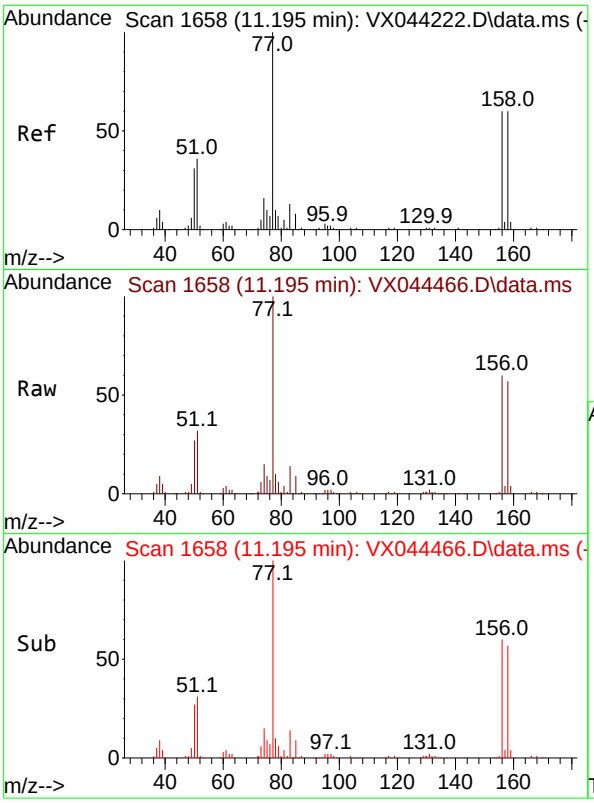




#76
1,2,3-Trichloropropane
Concen: 65.540 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 86748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 20.9 | 62.7 |



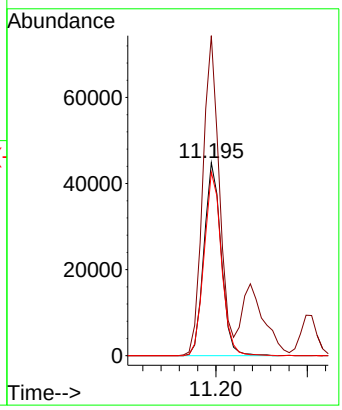


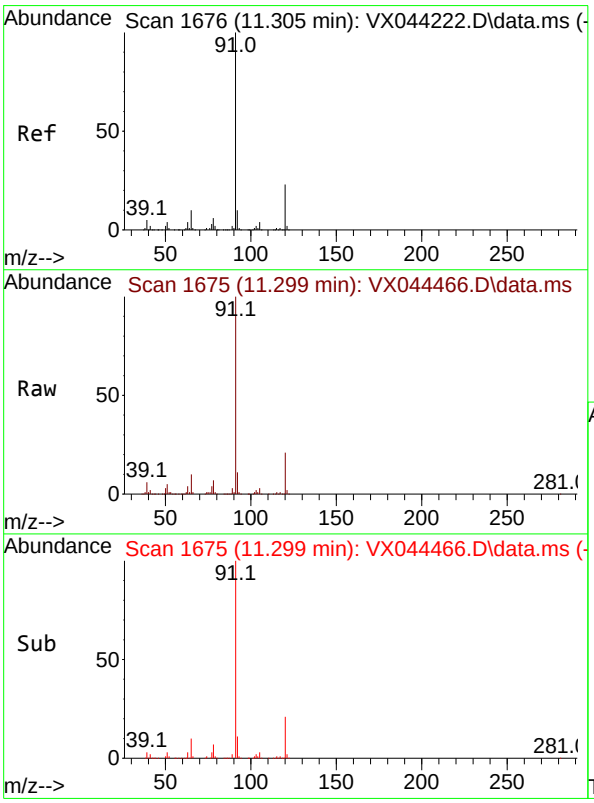

#77
Bromobenzene
Concen: 52.949 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 58269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 160.3 | 82.6 | 247.8 |
| 158 | 96.4 | 48.8 | 146.4 |

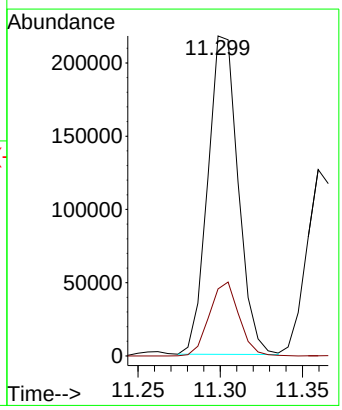


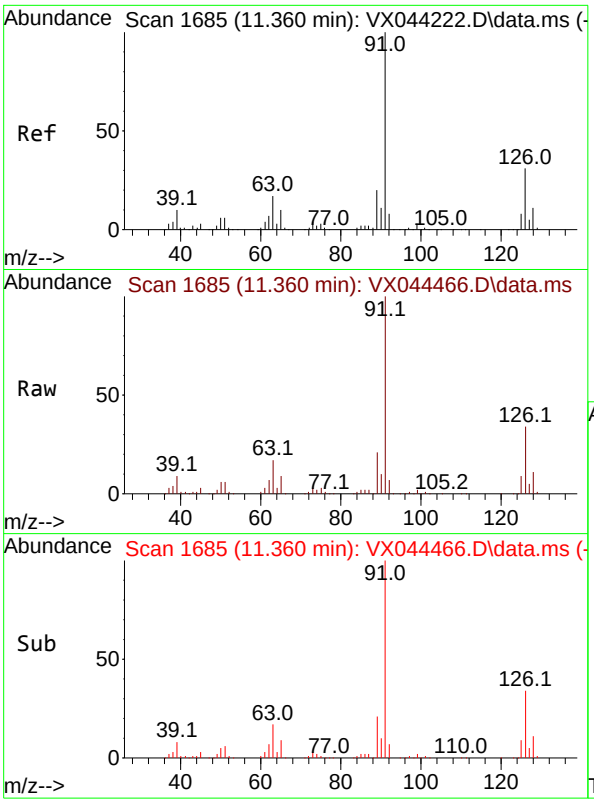




#78
n-propylbenzene
Concen: 55.610 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 91 Resp: 278932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.0 | 33.0 |



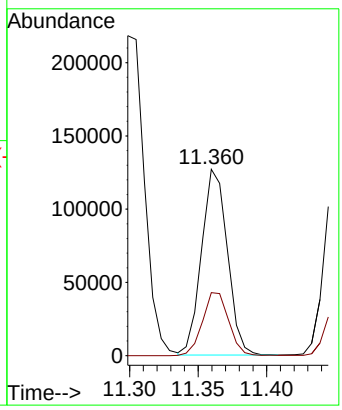


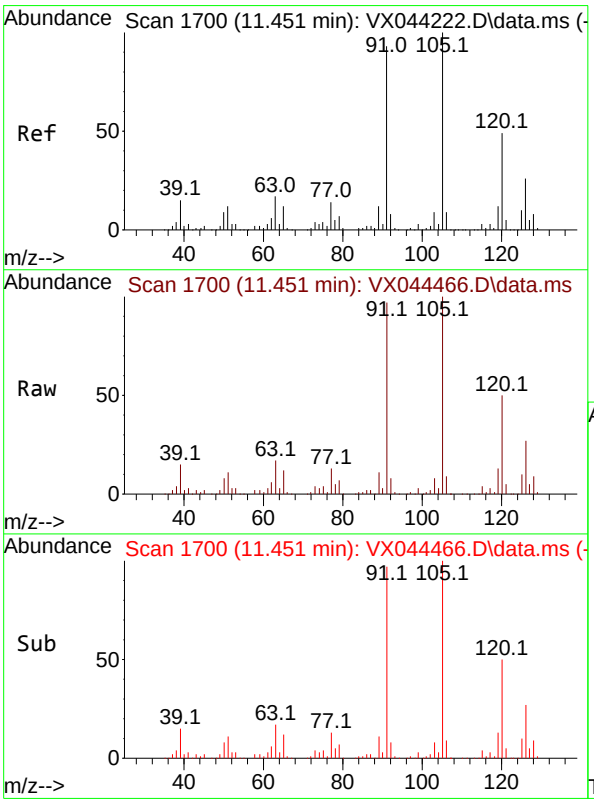

#79
2-Chlorotoluene
Concen: 51.245 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 166232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.7 | 16.4 | 49.1 |

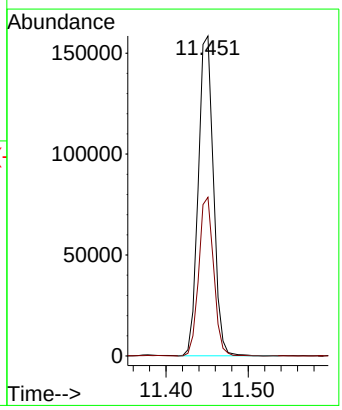


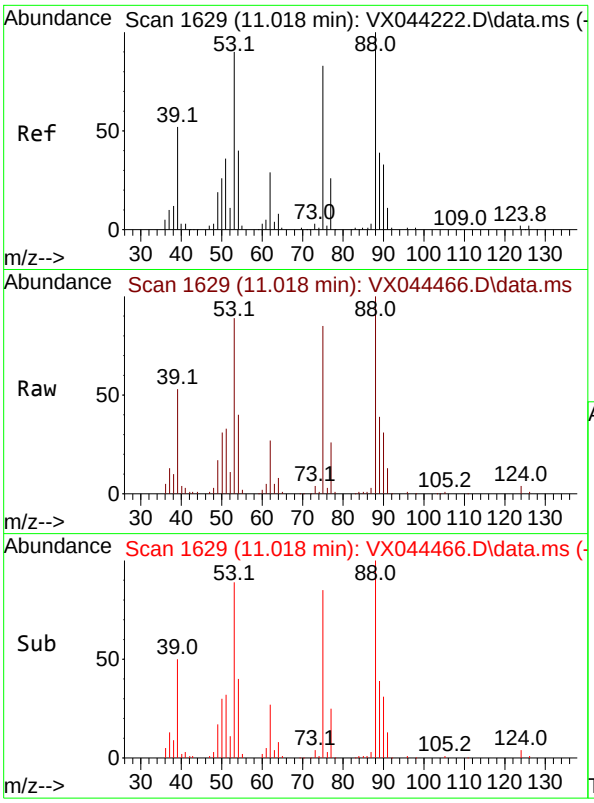




#80
1,3,5-Trimethylbenzene
Concen: 53.807 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:105 Resp: 202499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.0 | 23.8 | 71.4 |



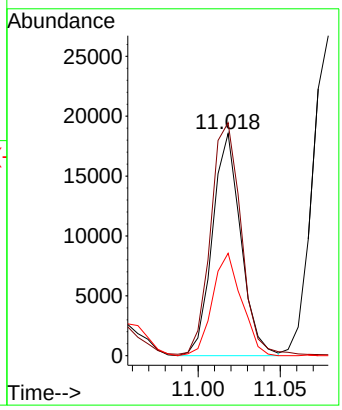


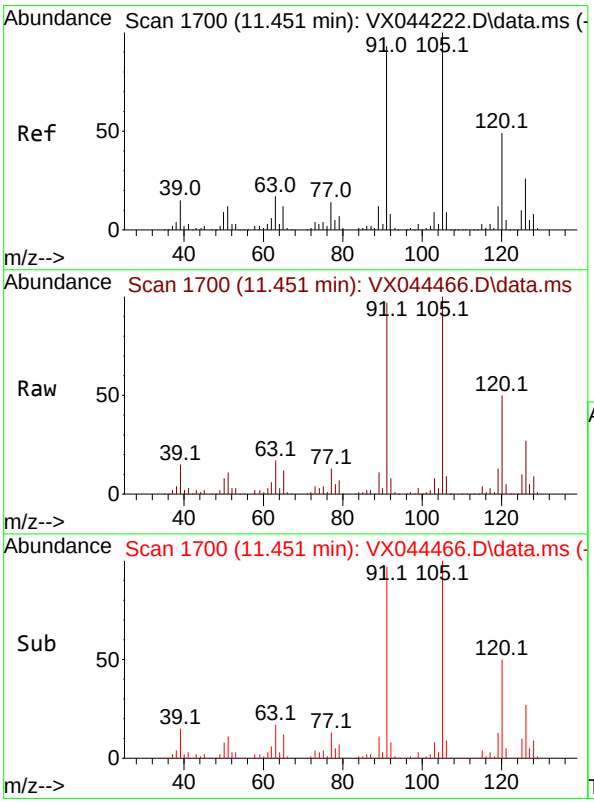

#81
trans-1,4-Dichloro-2-butene
Concen: 48.538 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 22335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 113.5 | 93.6 | 140.4 |
| 89 | 47.1 | 37.3 | 55.9 |

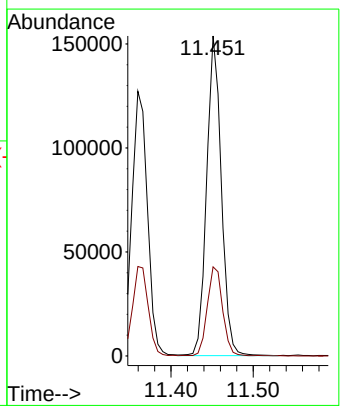


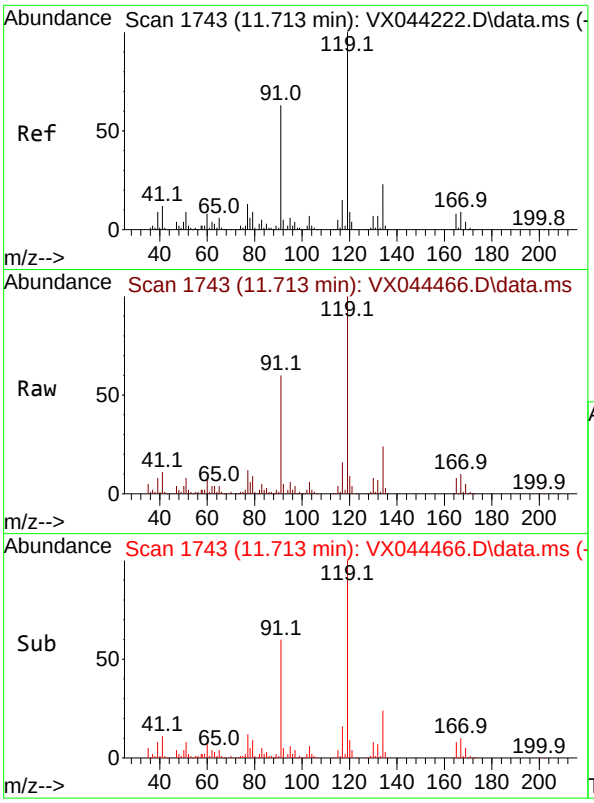




#82
4-Chlorotoluene
Concen: 52.988 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 91 Resp: 190339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.8 | 14.5 | 43.5 |



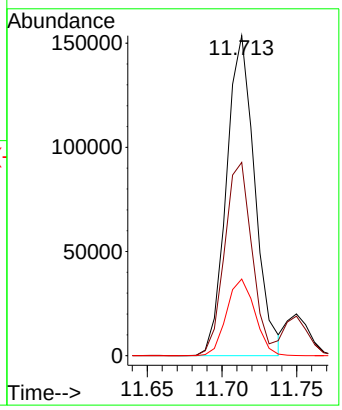


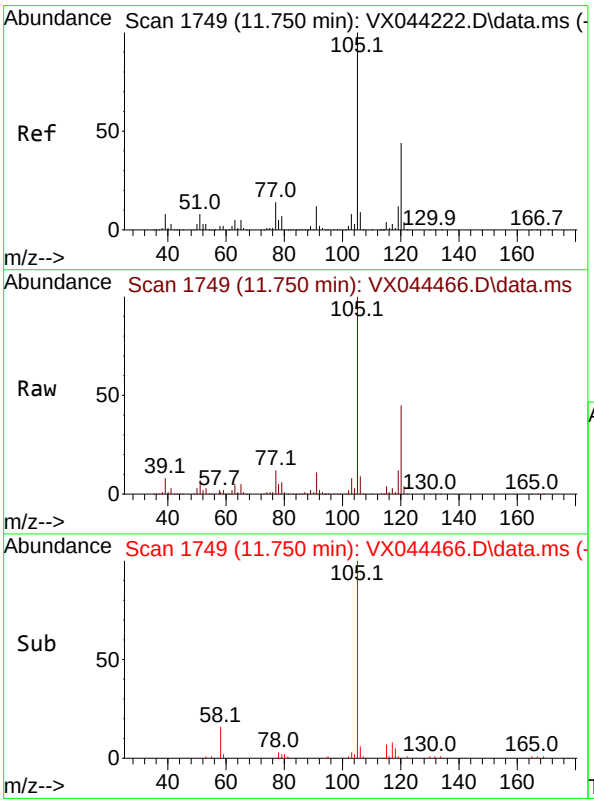

#83
tert-Butylbenzene
Concen: 54.400 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 202328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.4 | 30.9 | 92.5 |
| 134 | 24.0 | 11.5 | 34.4 |

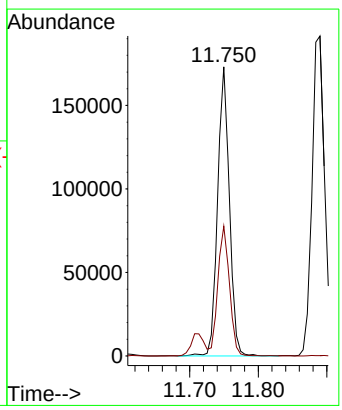


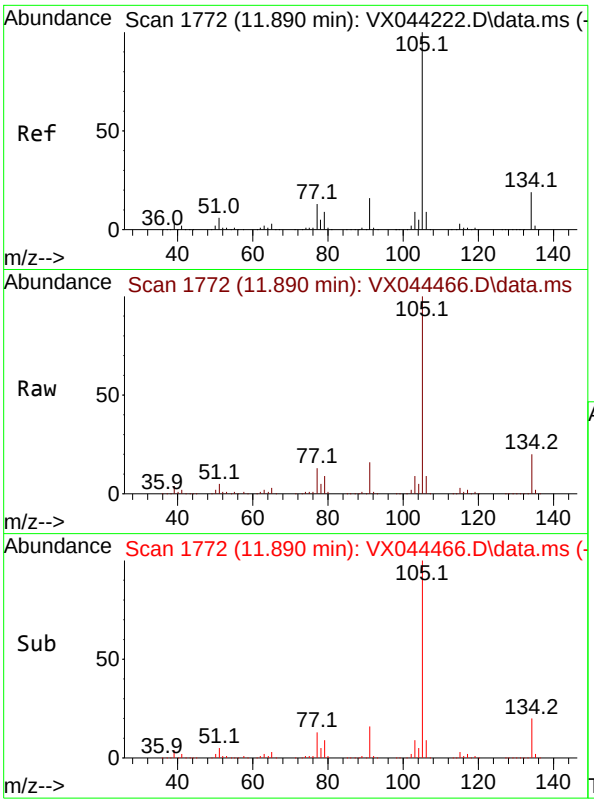




#84
1,2,4-Trimethylbenzene
Concen: 55.839 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:105 Resp: 206380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 21.7 | 65.1 |



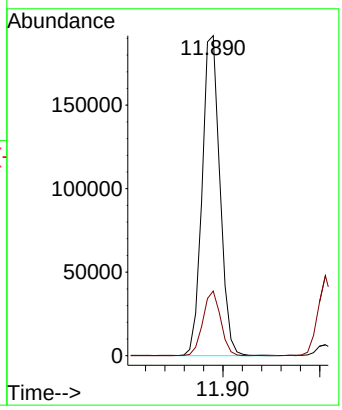


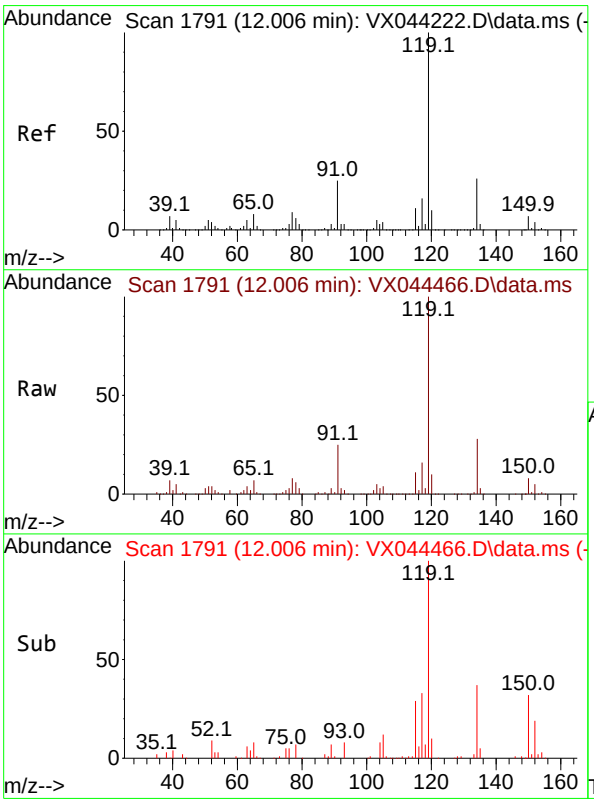

#85
sec-Butylbenzene
Concen: 54.332 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 245317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 9.8 | 29.4 |

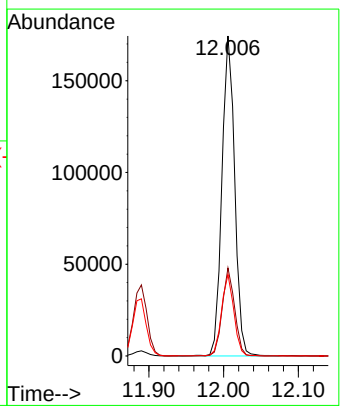


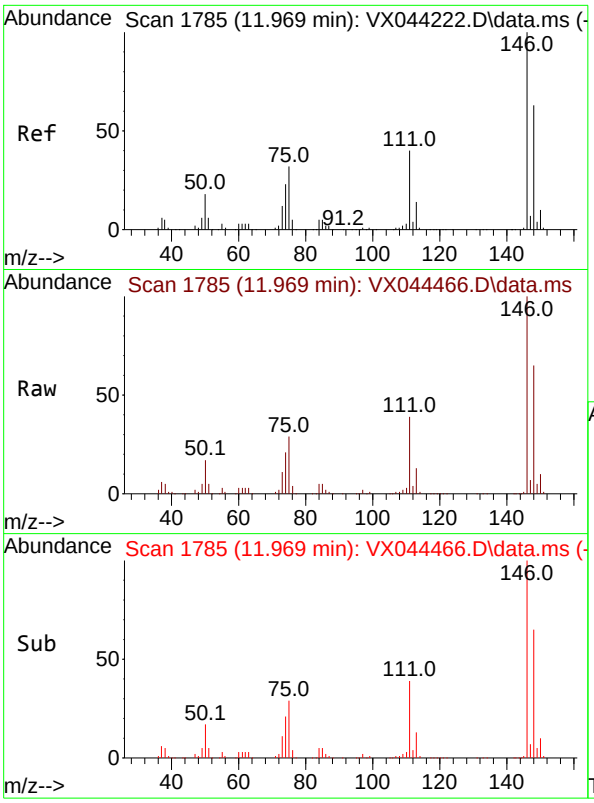




#86
p-Isopropyltoluene
Concen: 55.162 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:119 Resp: 207299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.7 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |



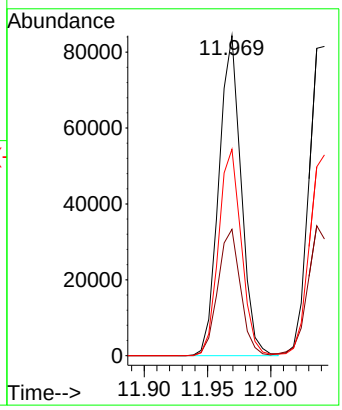


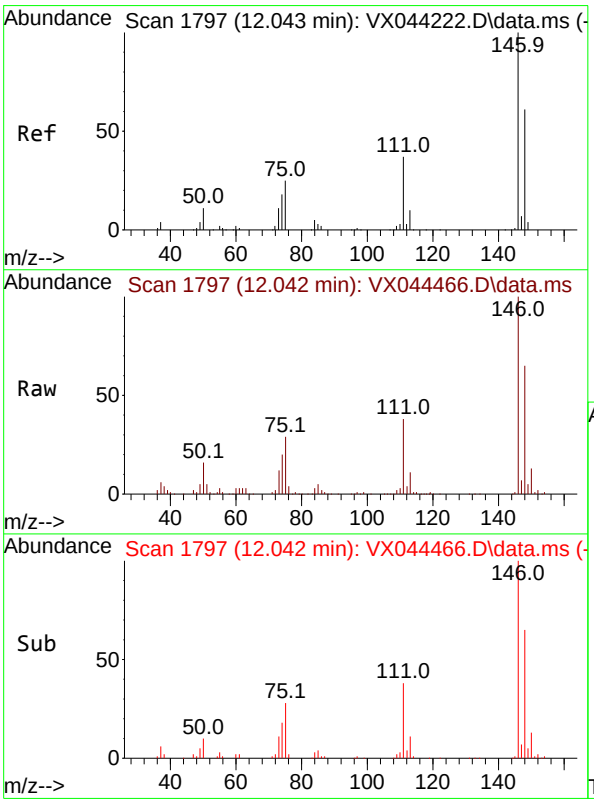

#87
1,3-Dichlorobenzene
Concen: 53.639 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 103109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.2 | 21.4 | 64.2 |
| 148 | 66.0 | 31.7 | 95.1 |

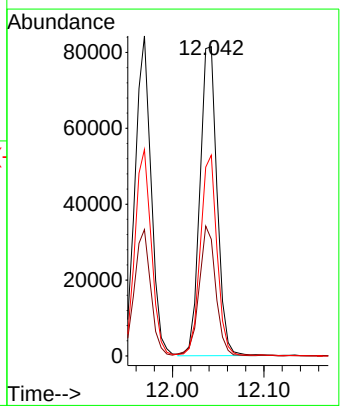


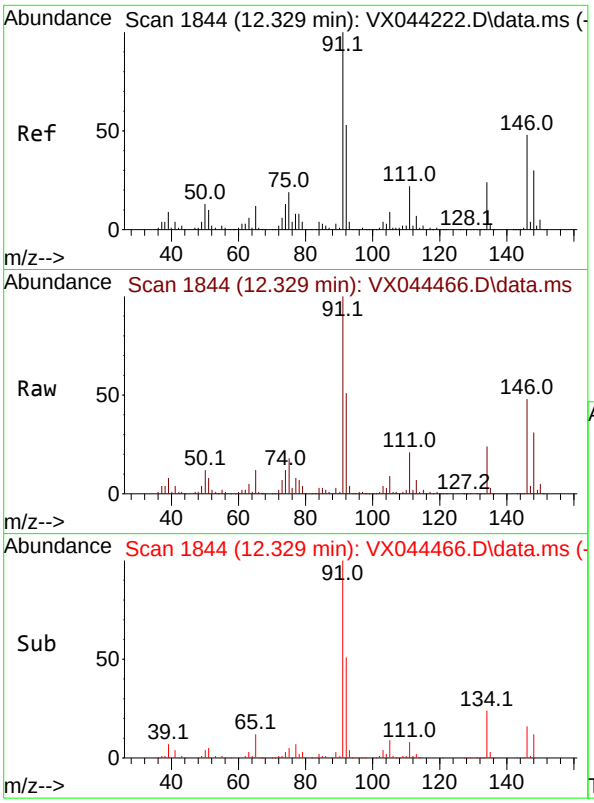




#88
1,4-Dichlorobenzene
Concen: 53.777 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:146 Resp: 106265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 21.0 | 63.0 |
| 148 | 62.8 | 32.3 | 96.8 |



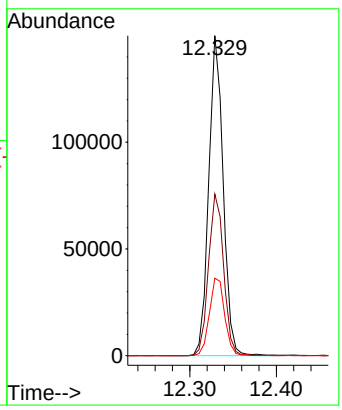


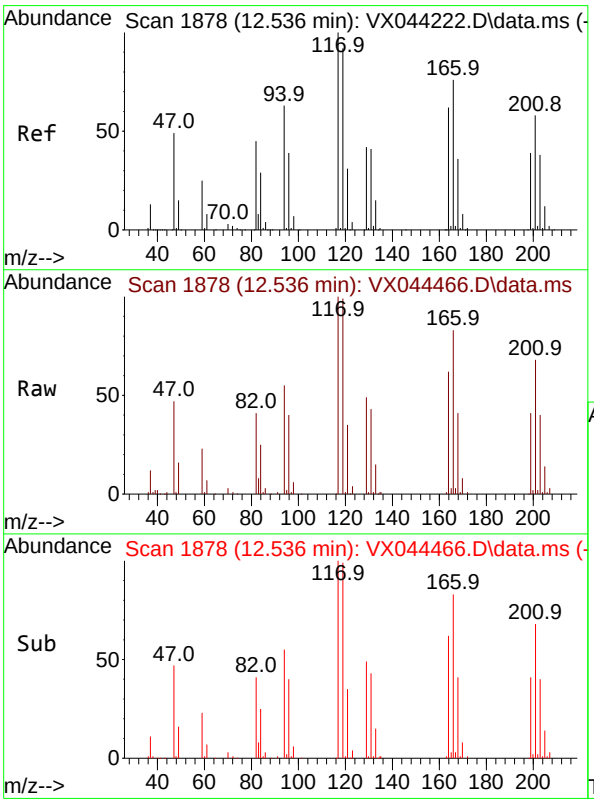

#89
n-Butylbenzene
Concen: 54.910 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 173517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.6 | 79.7 |
| 134 | 25.8 | 12.6 | 37.8 |

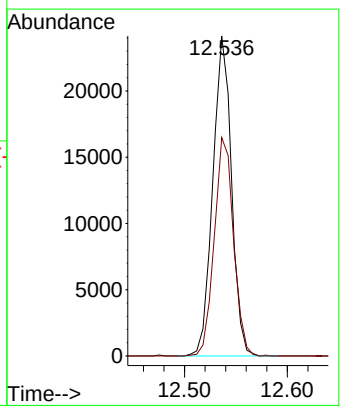


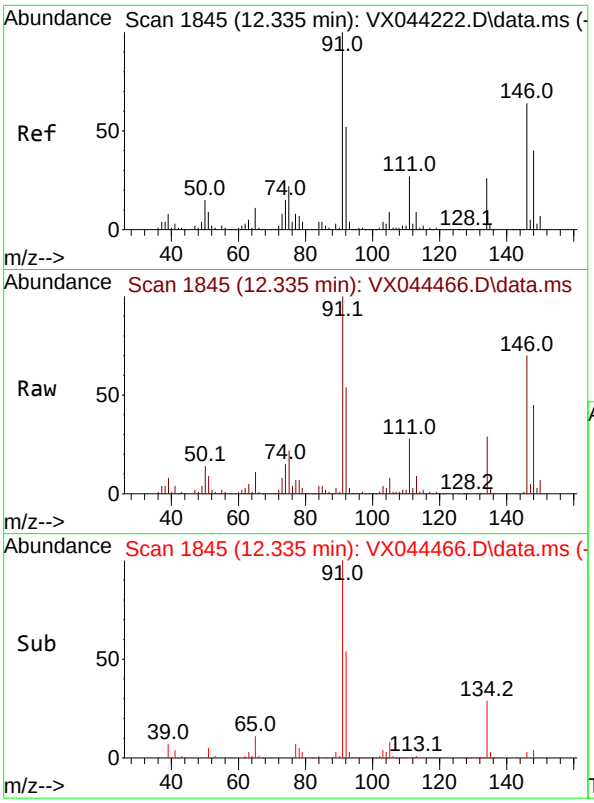




#90
Hexachloroethane
Concen: 55.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:117 Resp: 30390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.4 | 31.4 | 94.2 |



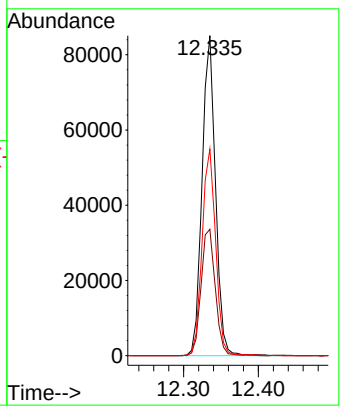


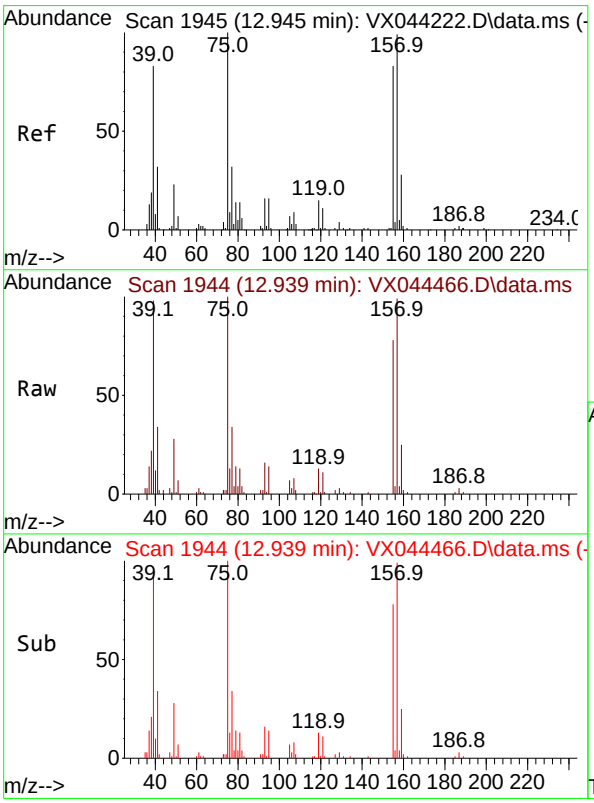

#91
1,2-Dichlorobenzene
Concen: 53.130 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 106046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 21.4 | 64.3 |
| 148 | 65.2 | 31.6 | 95.0 |

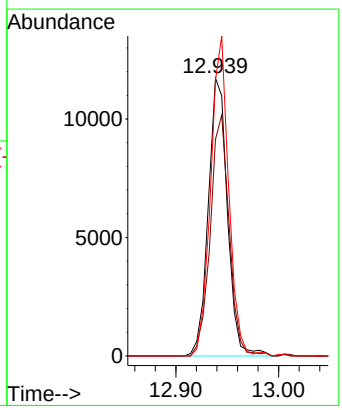


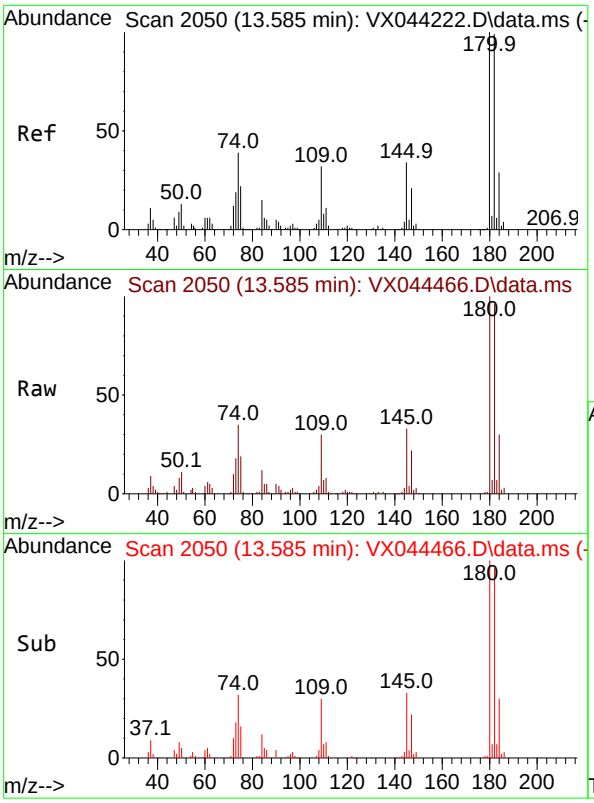




#92
1,2-Dibromo-3-Chloropropane
Concen: 49.558 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion: 75 Resp: 15164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.3 | 38.1 | 114.3 |
| 157 | 108.8 | 47.2 | 141.6 |



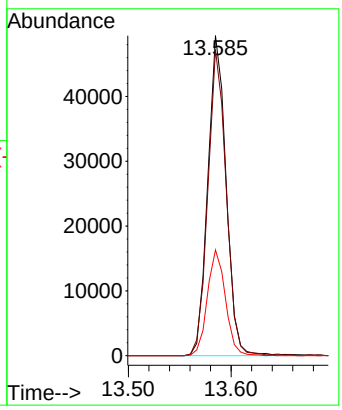


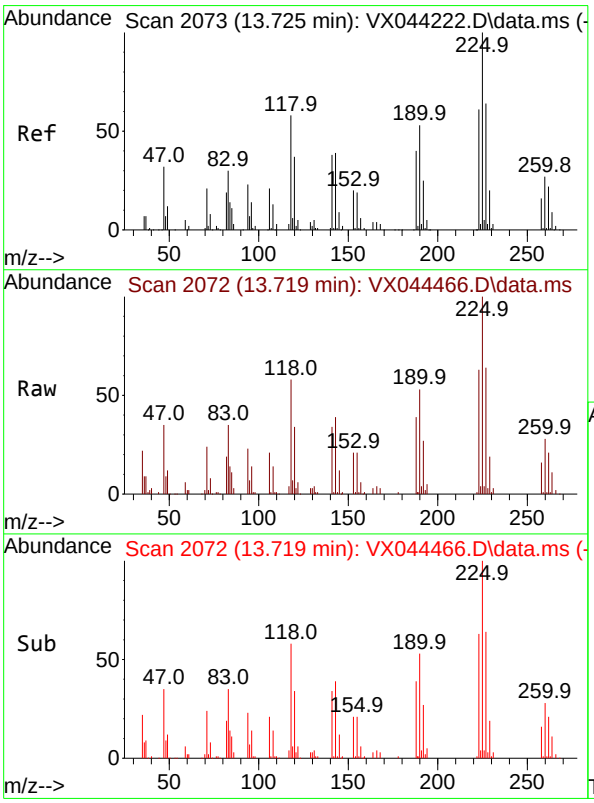

#93
1,2,4-Trichlorobenzene
Concen: 55.746 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 61001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 48.0 | 144.2 |
| 145 | 32.7 | 16.6 | 49.7 |

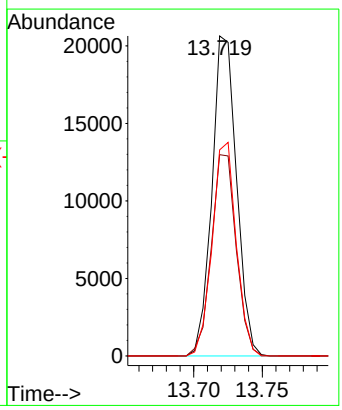


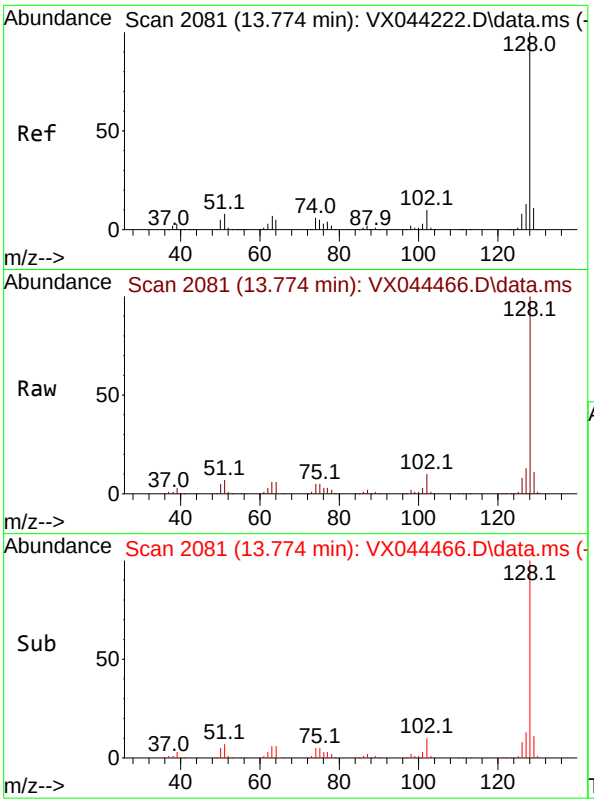




#94
Hexachlorobutadiene
Concen: 58.407 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:225 Resp: 25708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 30.8 | 92.4 |
| 227 | 65.3 | 32.1 | 96.3 |



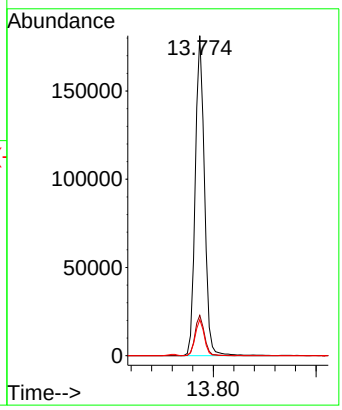


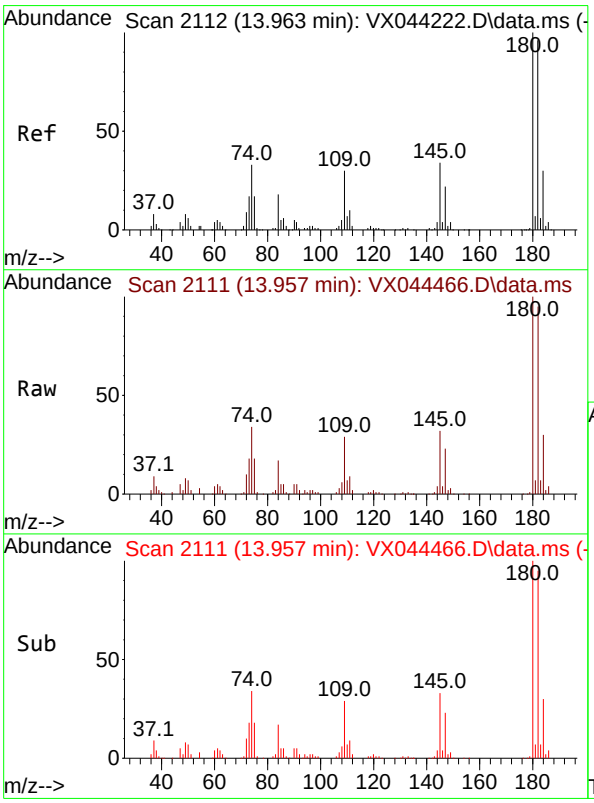

#95
Naphthalene
Concen: 52.712 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 225150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 11.1 | 9.0 | 13.4 |

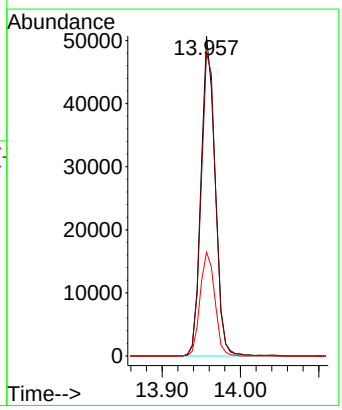



#96
1,2,3-Trichlorobenzene
Concen: 54.418 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044466.D
Acq: 23 Dec 2024 08:49

Tgt Ion:180 Resp: 63159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.7 | 48.0 | 144.0 |
| 145 | 33.8 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044484.D
Acq On : 23 Dec 2024 16:46
Operator : JC/MD
Sample : VX1223WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Dec 23 22:12:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 136426 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 230675 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 197773 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 93712 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 104522 | 43.697 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 87.400% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 83146 | 52.043 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.080% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 282252 | 52.366 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 104.740% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 98037 | 52.054 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 104.100% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 35681 | 16.914 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 34450 | 17.078 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 36105 | 17.180 | ug/l | 95 |
| 5) Bromomethane | 1.593 | 94 | 24727 | 16.585 | ug/l | 95 |
| 6) Chloroethane | 1.666 | 64 | 22413 | 17.127 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 56884 | 13.826 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 20539 | 14.625 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 29167 | 17.519 | ug/l | 94 |
| 10) Methyl Iodide | 2.447 | 142 | 40160 | 18.303 | ug/l | 95 |
| 11) Tert butyl alcohol | 3.001 | 59 | 27656 | 82.037 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 27828 | 18.198 | ug/l | 93 |
| 13) Acrolein | 2.233 | 56 | 34567 | 70.835 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 43269 | 16.988 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 72713 | 77.865 | ug/l | 96 |
| 16) Acetone | 2.380 | 43 | 64193 | 65.827 | ug/l | 96 |
| 17) Carbon Disulfide | 2.501 | 76 | 50832 | 17.488 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 37683 | 14.987 | ug/l | 95 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 97412 | 16.324 | ug/l | 96 |
| 20) Methylene Chloride | 2.788 | 84 | 32960 | 17.995 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 27761 | 17.082 | ug/l | 96 |
| 22) Diisopropyl ether | 3.757 | 45 | 96519 | 16.828 | ug/l # | 83 |
| 23) Vinyl Acetate | 3.715 | 43 | 396777 | 85.091 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 55371 | 17.319 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 96544 | 69.639 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 47079 | 18.126 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 36799 | 17.829 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 29299 | 18.689 | ug/l | 92 |
| 29) Tetrahydrofuran | 5.007 | 42 | 62253 | 69.958 | ug/l | 98 |
| 30) Chloroform | 5.080 | 83 | 60467 | 16.834 | ug/l | 95 |
| 31) Cyclohexane | 5.458 | 56 | 43786 | 16.960 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 52091 | 17.470 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 37790 | 18.299 | ug/l | 98 |
| 37) Ethyl Acetate | 4.715 | 43 | 39294 | 15.393 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 40813 | 18.356 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 45190 | 18.304 | ug/l | 95 |
| 40) Benzene | 6.031 | 78 | 121112 | 19.316 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044484.D
Acq On : 23 Dec 2024 16:46
Operator : JC/MD
Sample : VX1223WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Dec 23 22:12:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 20789 | 15.336 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 48045 | 18.601 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 65736 | 16.475 | ug/l | | 98 |
| 44) Trichloroethene | 7.123 | 130 | 32559 | 20.823 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 30009 | 18.733 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 22954 | 18.470 | ug/l | | 92 |
| 47) Bromodichloromethane | 7.818 | 83 | 39600 | 18.450 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 30544 | 15.770 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.665 | 88 | 8523 | 265.414 | ug/l | # | 83 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 202796 | 79.048 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 77555 | 19.696 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 39372 | 18.305 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 45608 | 19.516 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 30421 | 19.448 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 43727 | 17.707 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 50156 | 18.421 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 112759 | 90.532 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 145212 | 78.199 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.519 | 129 | 28097 | 18.262 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 31023 | 19.484 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 28163 | 21.455 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 84278 | 19.887 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 28171 | 20.684 | ug/l | | 96 |
| 67) Ethyl Benzene | 10.195 | 91 | 143285 | 19.568 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 109170 | 40.631 | ug/l | | 93 |
| 69) o-Xylene | 10.640 | 106 | 53058 | 19.517 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 85331 | 19.580 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 16410 | 19.239 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 137153 | 19.118 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 53387 | 16.102 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 44755 | 17.961 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 44711 | 21.369 | ug/l | | 85 |
| 77) Bromobenzene | 11.195 | 156 | 34470 | 19.814 | ug/l | | 97 |
| 78) n-propylbenzene | 11.299 | 91 | 150204 | 18.943 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 96001 | 18.721 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 115427 | 19.402 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 9853 | 17.567 | ug/l | | 88 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 106582 | 18.769 | ug/l | | 96 |
| 83) tert-Butylbenzene | 11.713 | 119 | 114705 | 19.509 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 115005 | 19.684 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 137779 | 19.303 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 117010 | 19.696 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 61238 | 20.152 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 61611 | 19.723 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 94376 | 18.892 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 15991 | 18.440 | ug/l | | 86 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 61558 | 19.510 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 7109 | 14.697 | ug/l | | 86 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 35380 | 20.453 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 15222 | 21.877 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 121575 | 18.005 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 37987 | 20.704 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044484.D
Acq On : 23 Dec 2024 16:46
Operator : JC/MD
Sample : VX1223WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Dec 23 22:12:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

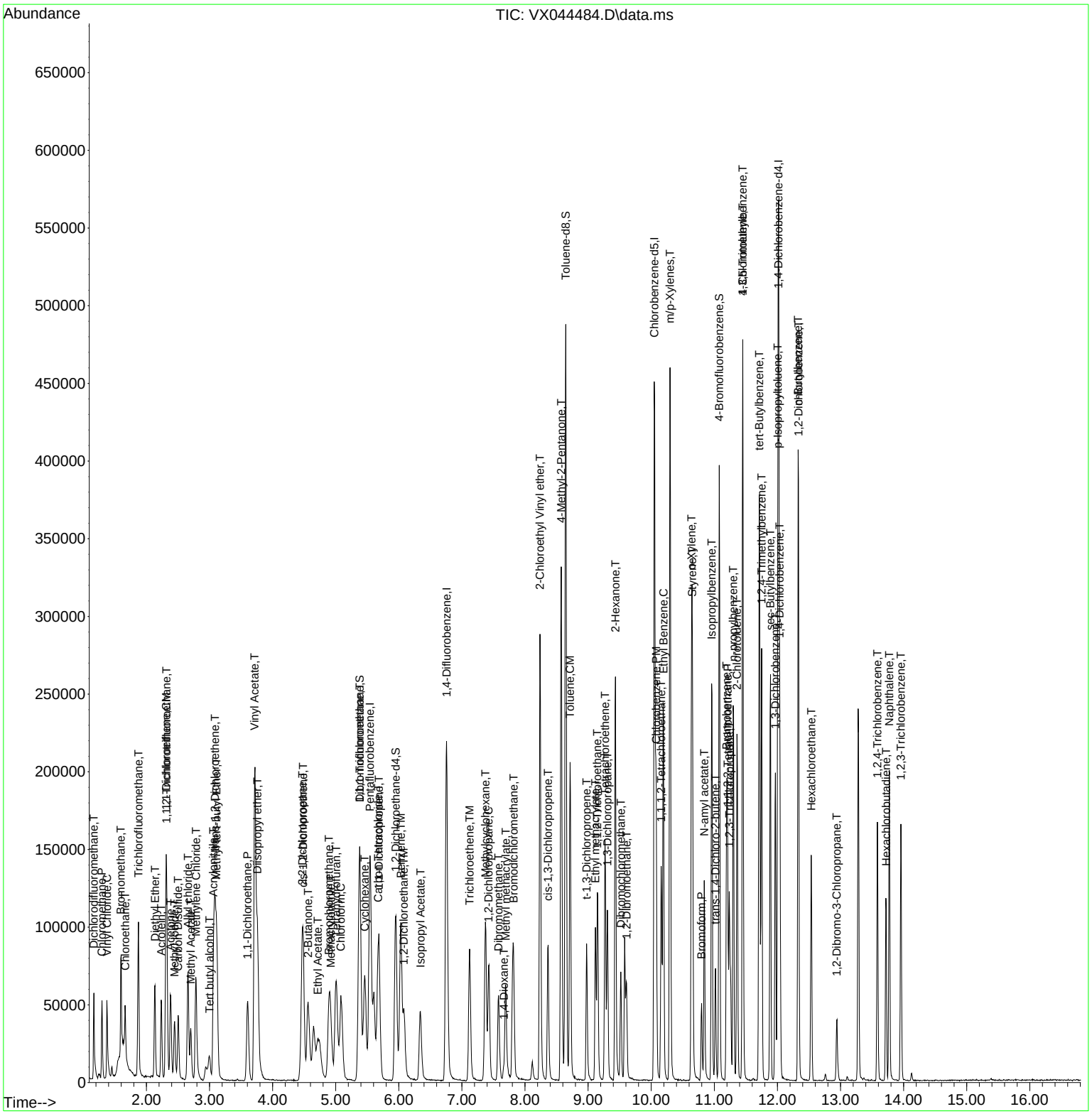
(#) = qualifier out of range (m) = manual integration (+) = signals summed

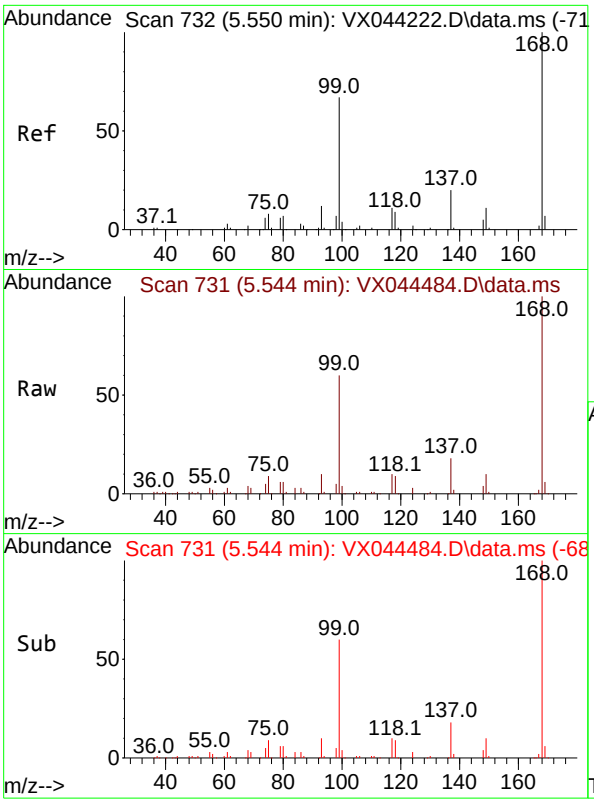
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044484.D
Acq On : 23 Dec 2024 16:46
Operator : JC/MD
Sample : VX1223WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Dec 23 22:12:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



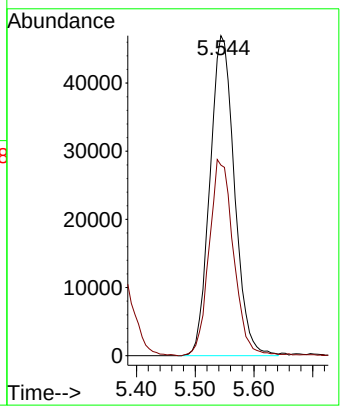


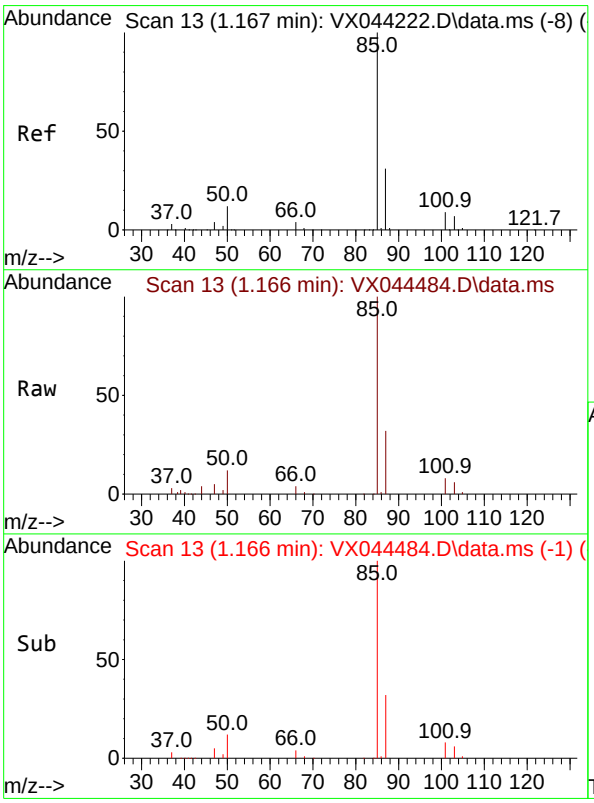

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:168 Resp: 136426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.6 | 53.4 | 80.0 |

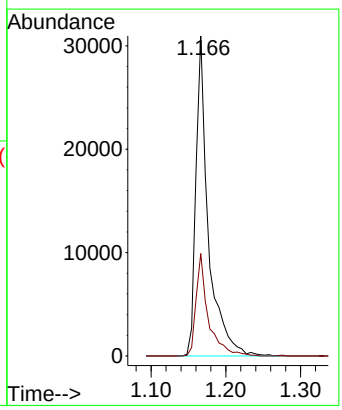


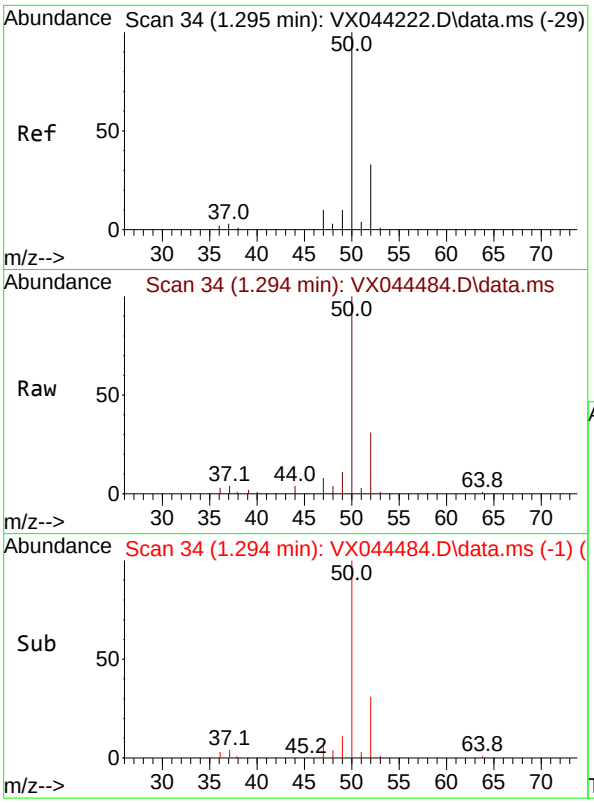




#2
Dichlorodifluoromethane
Concen: 16.914 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 85 Resp: 35681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 15.4 | 46.4 |



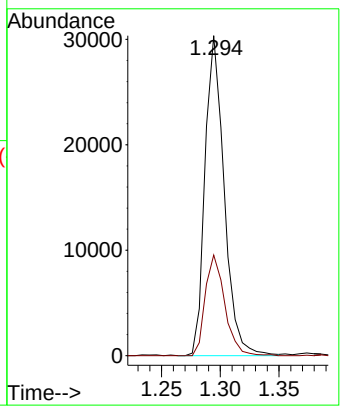


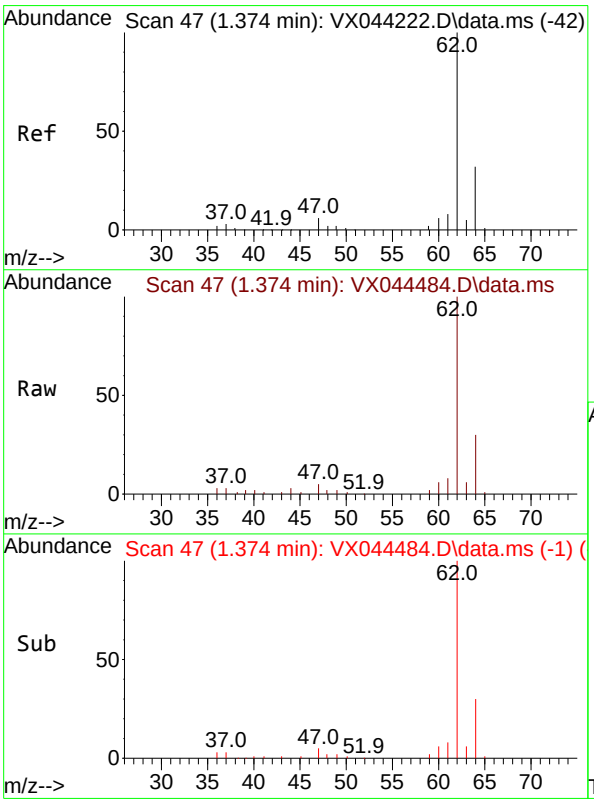

#3
Chloromethane
Concen: 17.078 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 50 Resp: 34450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.4 | 26.5 | 39.7 |

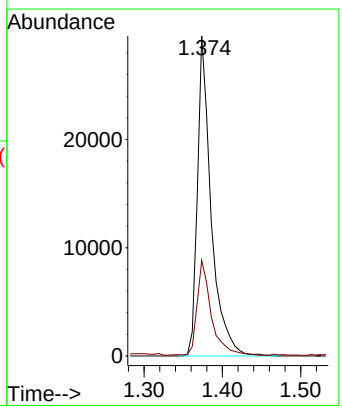


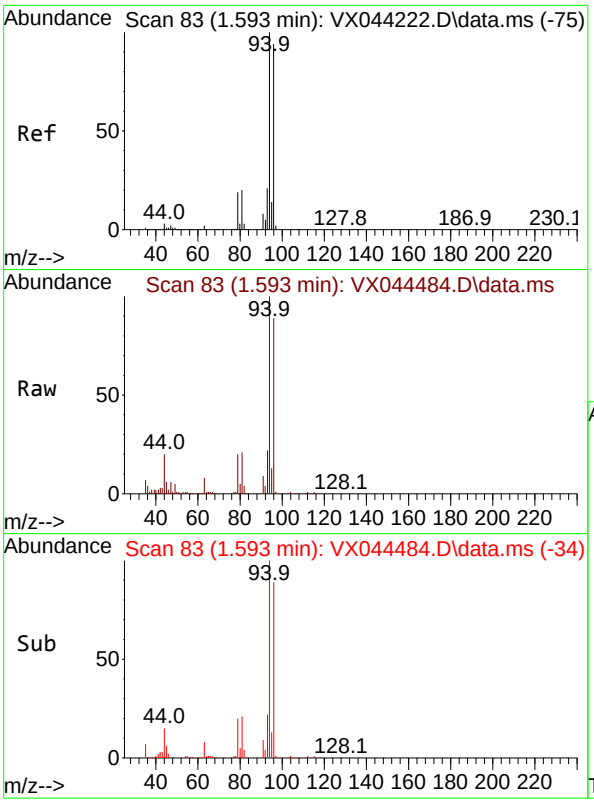




#4
Vinyl Chloride
Concen: 17.180 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 62 Resp: 36105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.4 | 25.7 | 38.5 |



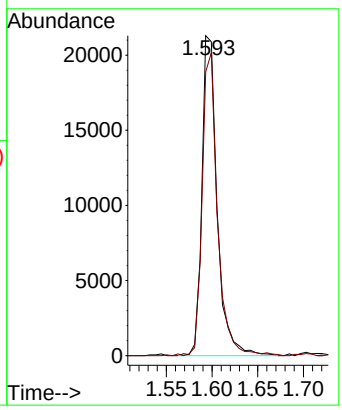


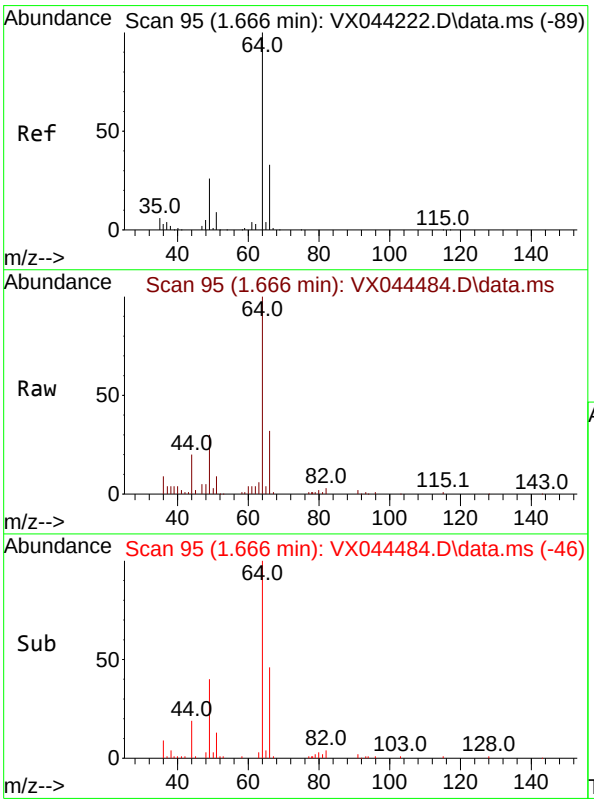

#5
Bromomethane
Concen: 16.585 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 94 Resp: 24727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 88.4 | 74.9 | 112.3 |

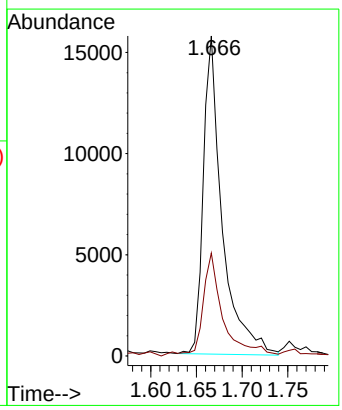


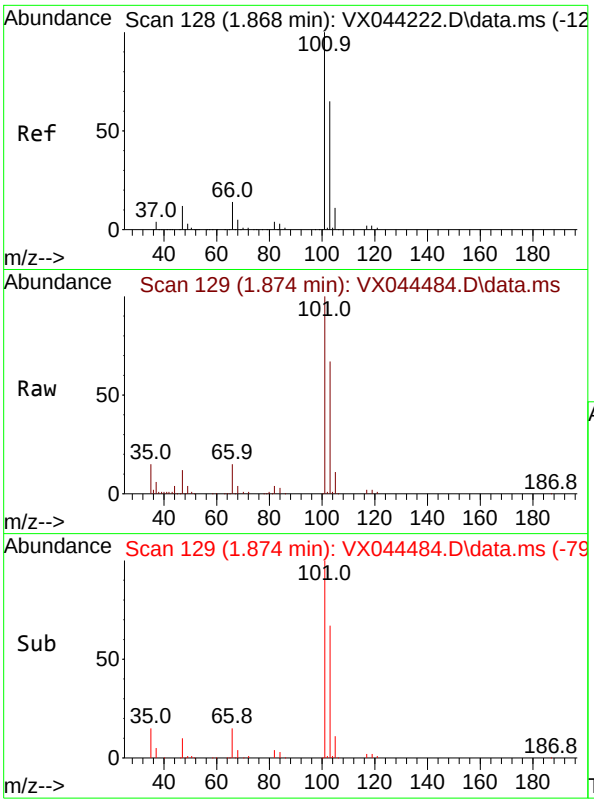




#6
Chloroethane
Concen: 17.127 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 64 Resp: 22413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 26.6 | 39.8 |



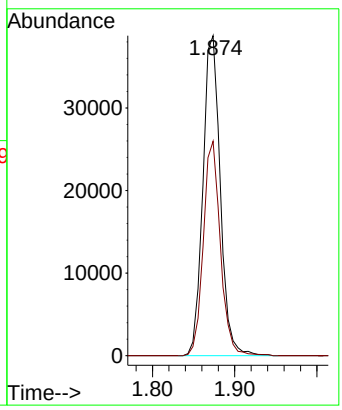


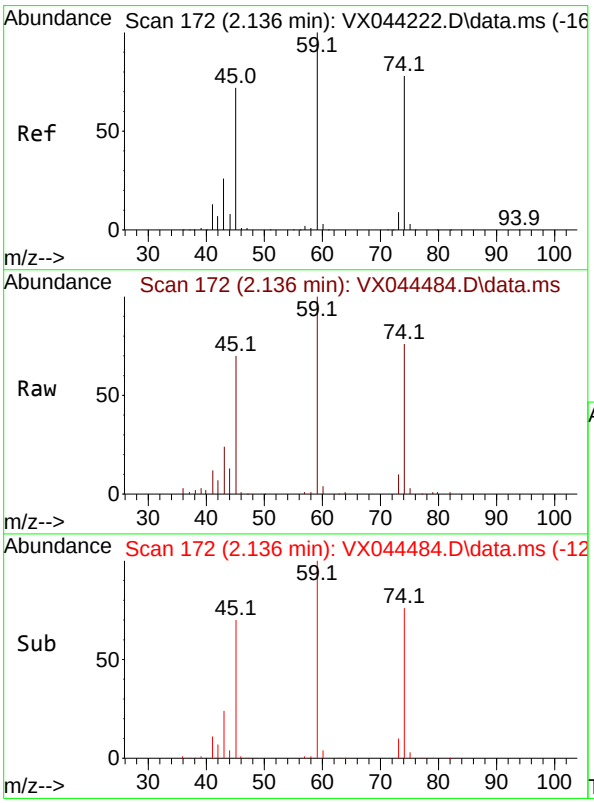

#7
Trichlorofluoromethane
Concen: 13.826 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:101 Resp: 56884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.0 | 51.8 | 77.8 |

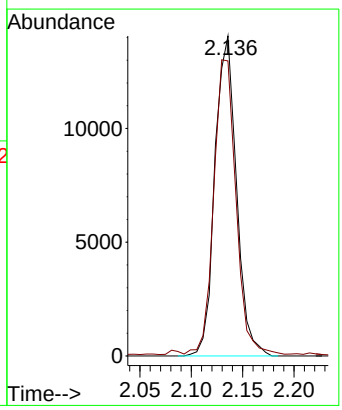


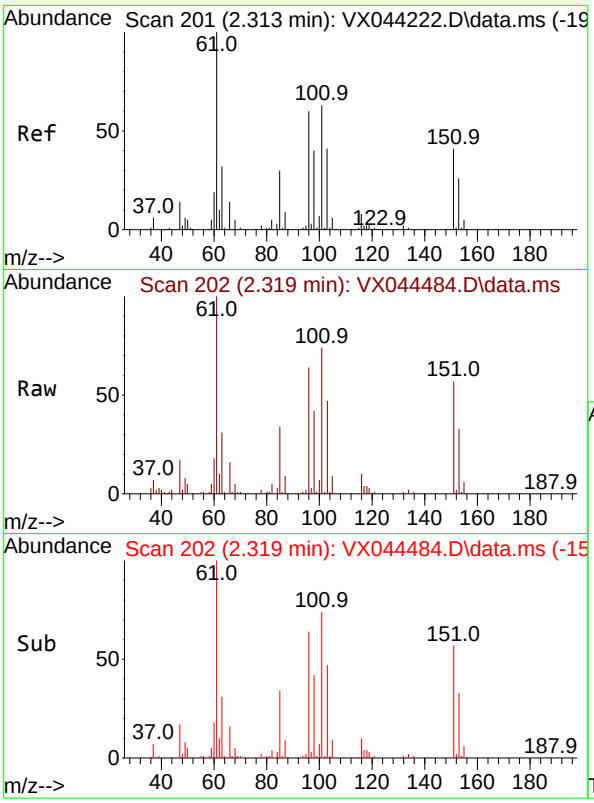




#8
Diethyl Ether
Concen: 14.625 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 74 Resp: 20539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 93.9 | 48.4 | 145.0 |



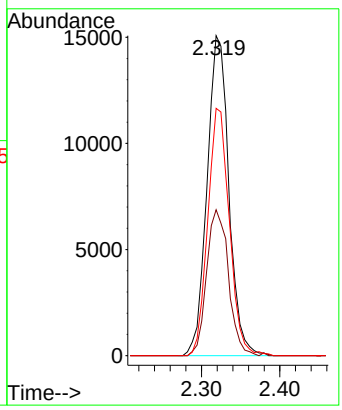


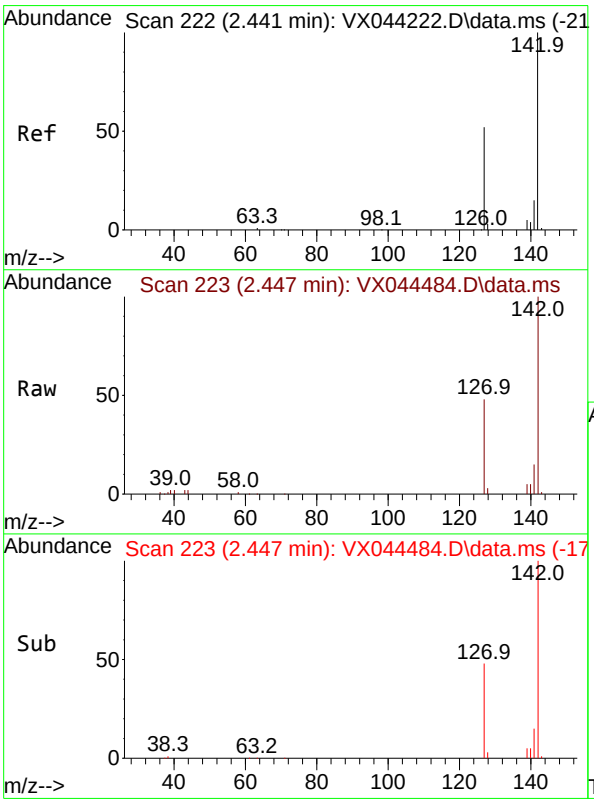

#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.519 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:101 Resp: 29167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 38.5 | 57.7 |
| 151 | 76.5 | 55.8 | 83.6 |

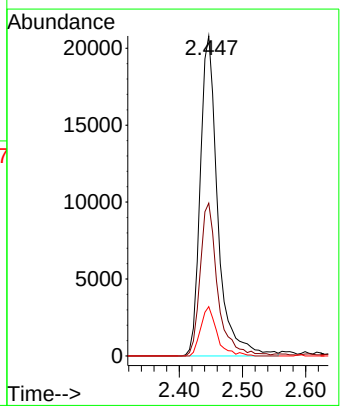


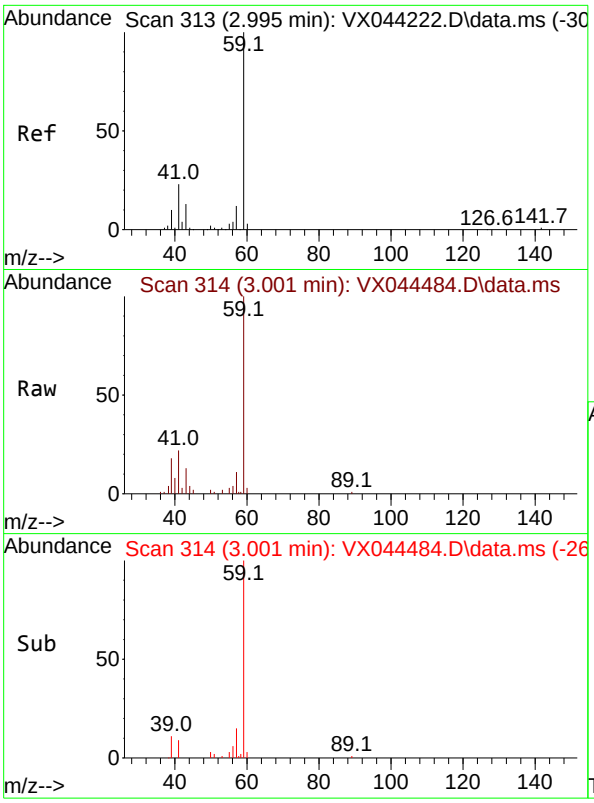




#10
Methyl Iodide
Concen: 18.303 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:142 Resp: 40160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.6 | 41.8 | 62.8 |
| 141 | 14.4 | 11.5 | 17.3 |



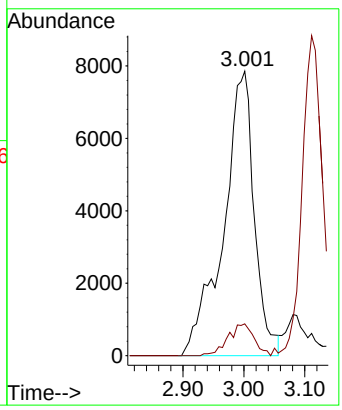


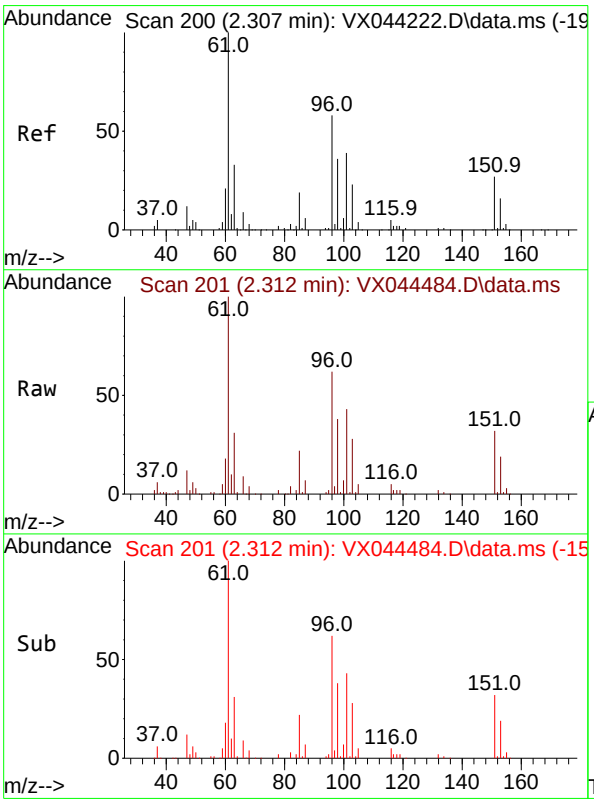

#11
Tert butyl alcohol
Concen: 82.037 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 59 Resp: 27656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.4 | 8.8 | 13.2 |

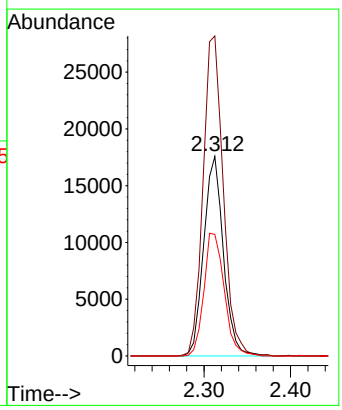


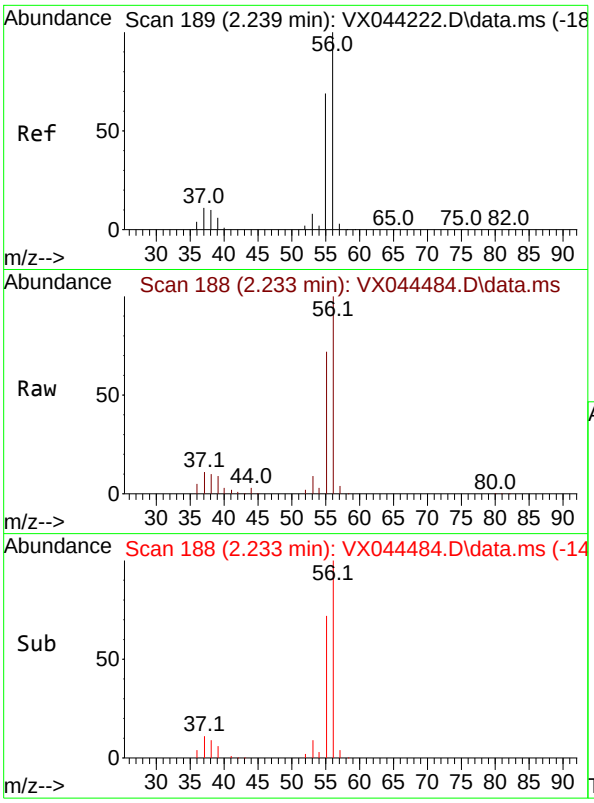




#12
1,1-Dichloroethene
Concen: 18.198 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 96 Resp: 27828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.3 | 138.0 | 207.0 |
| 98 | 60.9 | 50.0 | 75.0 |



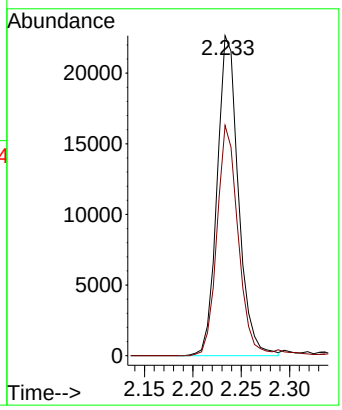


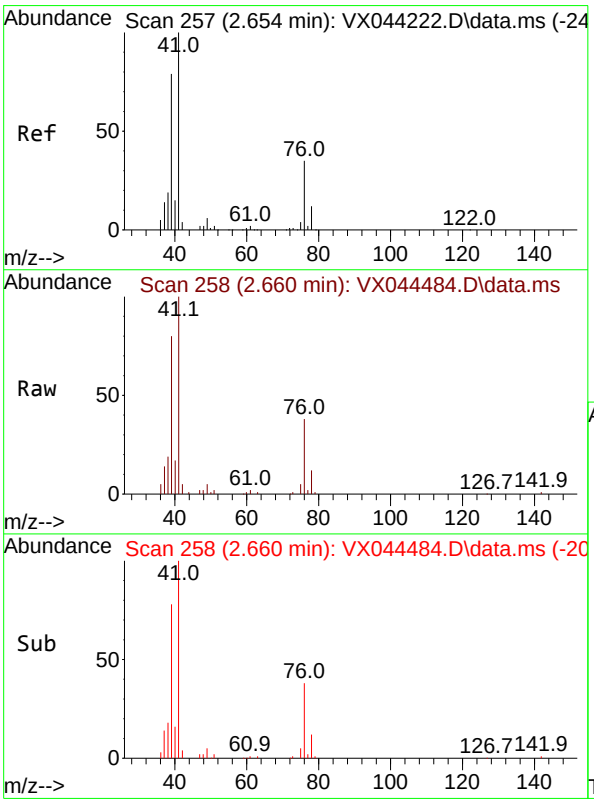

#13
Acrolein
Concen: 70.835 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 56 Resp: 34567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.4 | 56.6 | 84.8 |

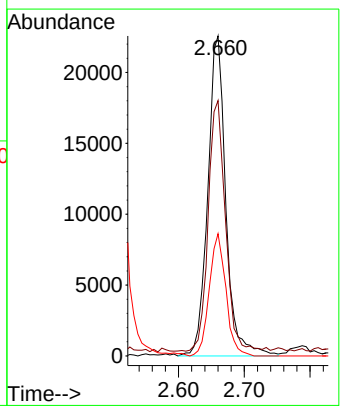


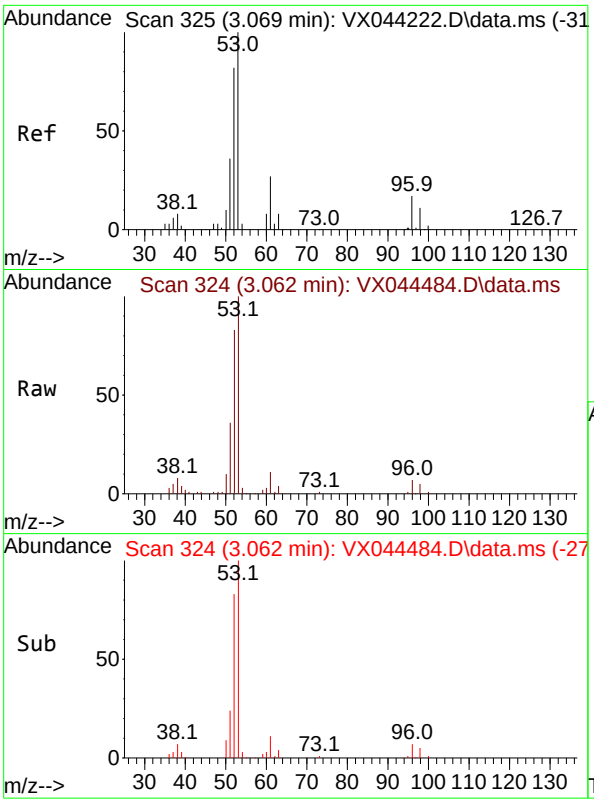




#14
Allyl chloride
Concen: 16.988 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 41 Resp: 43269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.4 | 61.9 | 92.9 |
| 76 | 35.0 | 27.4 | 41.2 |



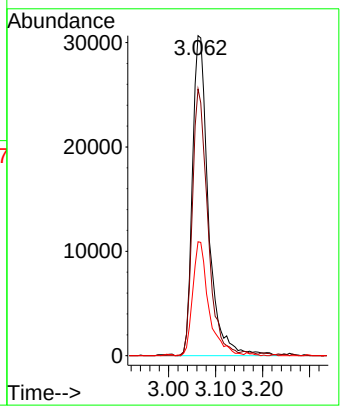


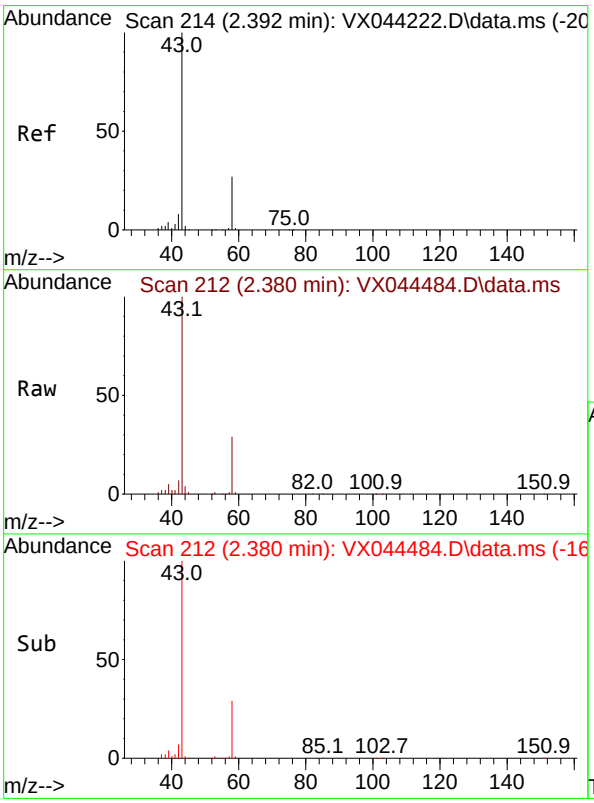

#15
Acrylonitrile
Concen: 77.865 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 53 Resp: 72713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.5 | 67.4 | 101.0 |
| 51 | 35.7 | 30.3 | 45.5 |

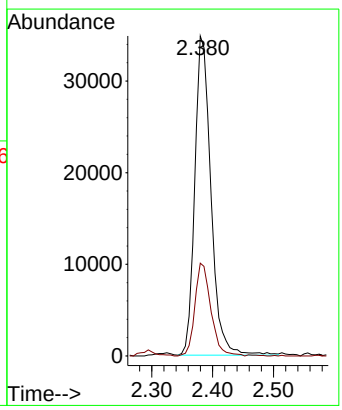


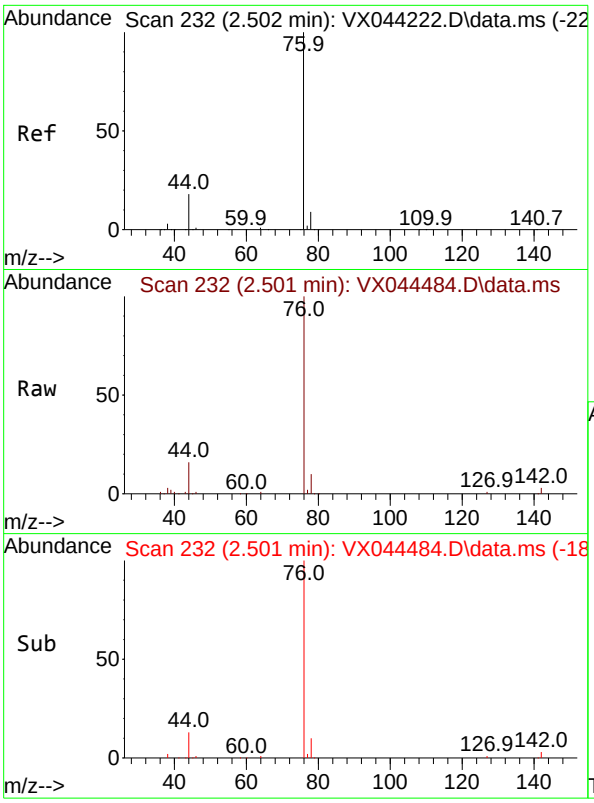




#16
Acetone
Concen: 65.827 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 64193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.1 | 21.6 | 32.4 |



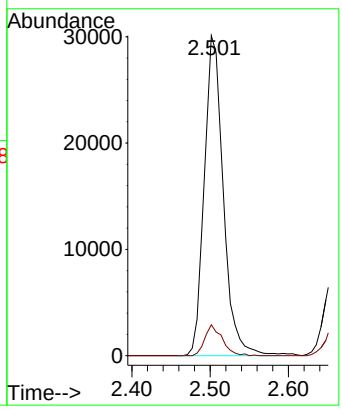


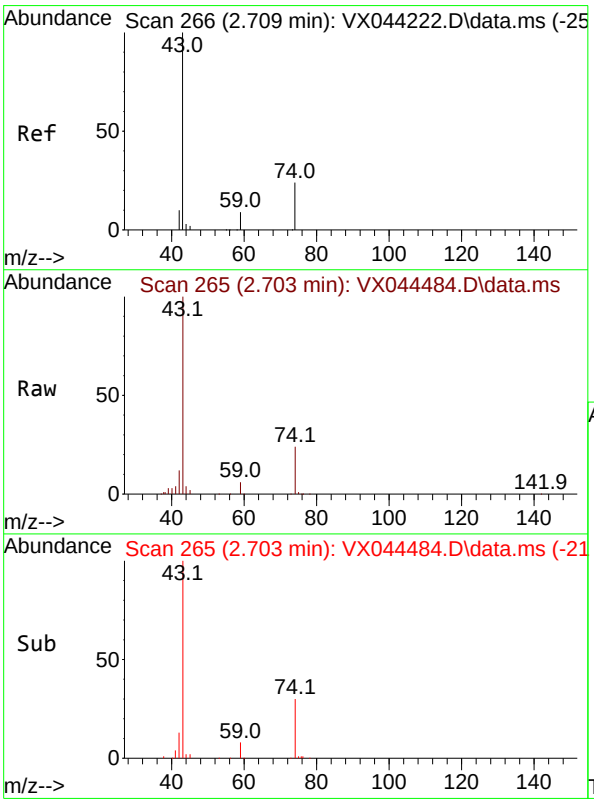

#17
Carbon Disulfide
Concen: 17.488 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 76 Resp: 50832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.7 | 7.4 | 11.0 |

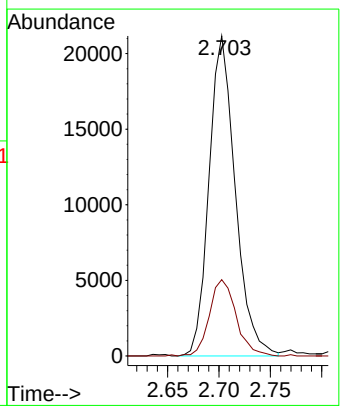


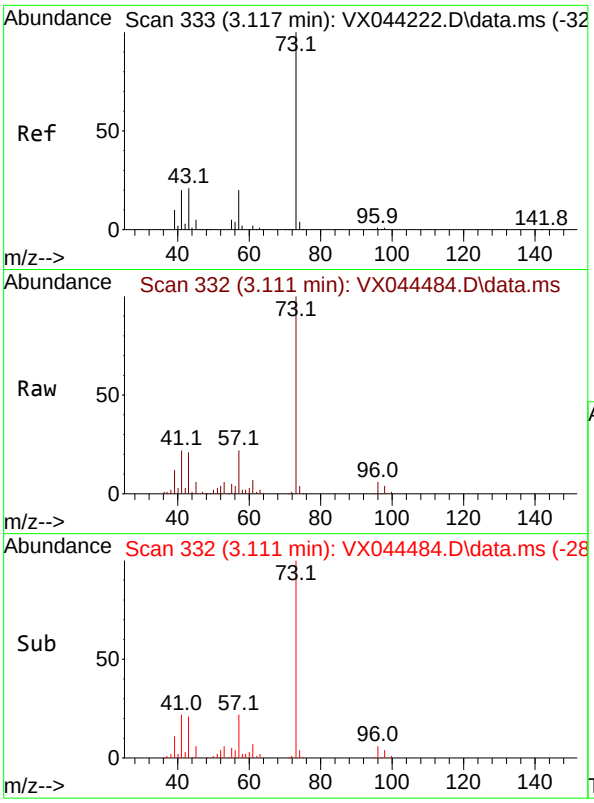




#18
Methyl Acetate
Concen: 14.987 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 37683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.3 | 17.7 | 26.5 |



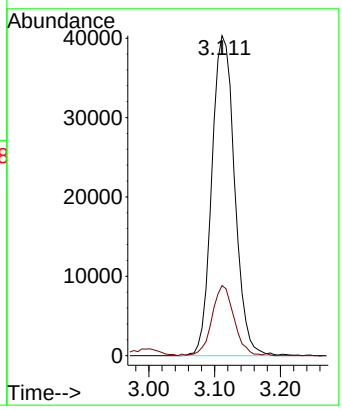


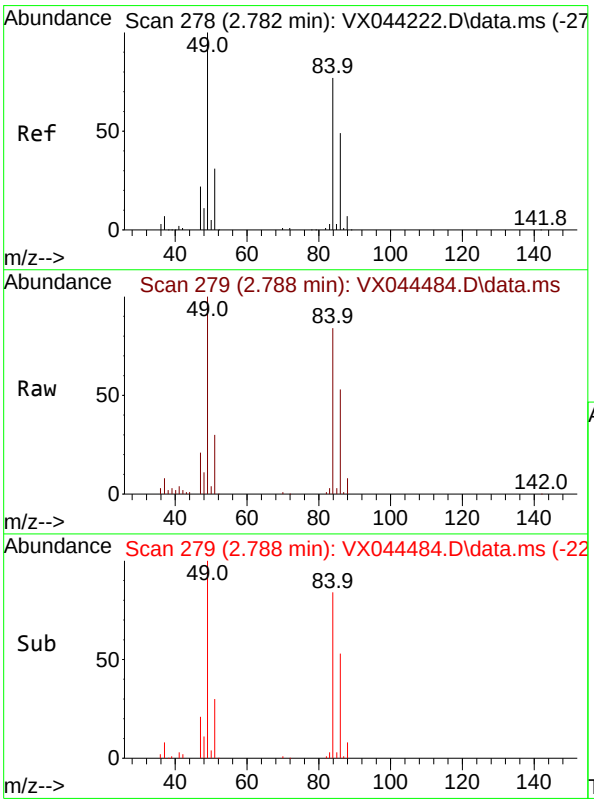

#19
Methyl tert-butyl Ether
Concen: 16.324 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 73 Resp: 97412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 16.2 | 24.4 |

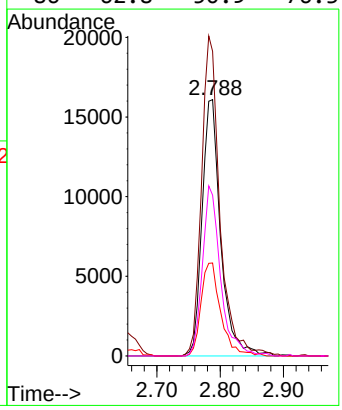


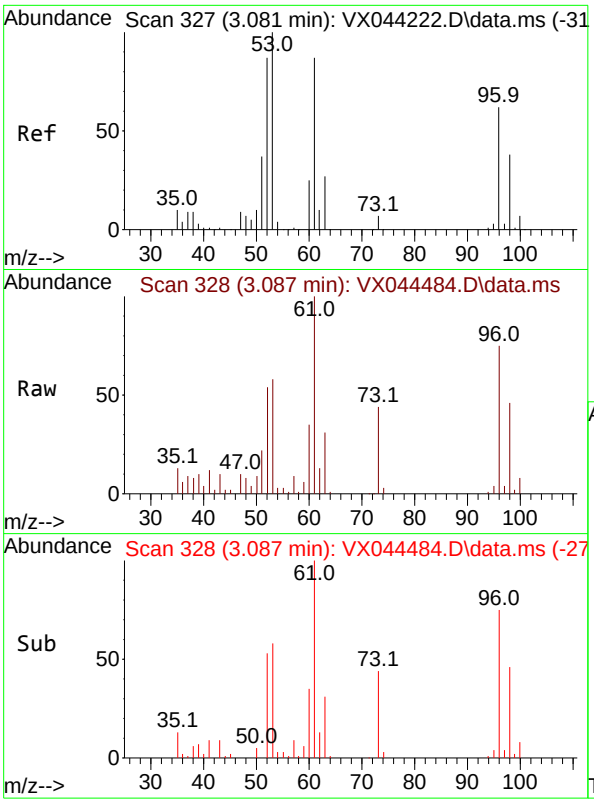




#20
Methylene Chloride
Concen: 17.995 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 84 Resp: 32960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 118.9 | 104.2 | 156.4 |
| 51 | 36.3 | 32.2 | 48.4 |
| 86 | 62.8 | 50.9 | 76.3 |



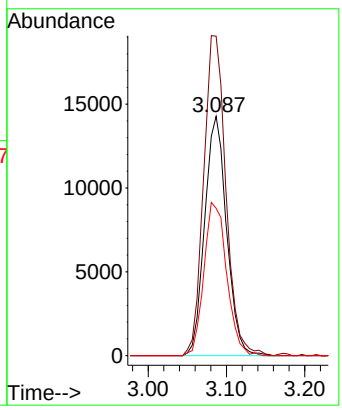


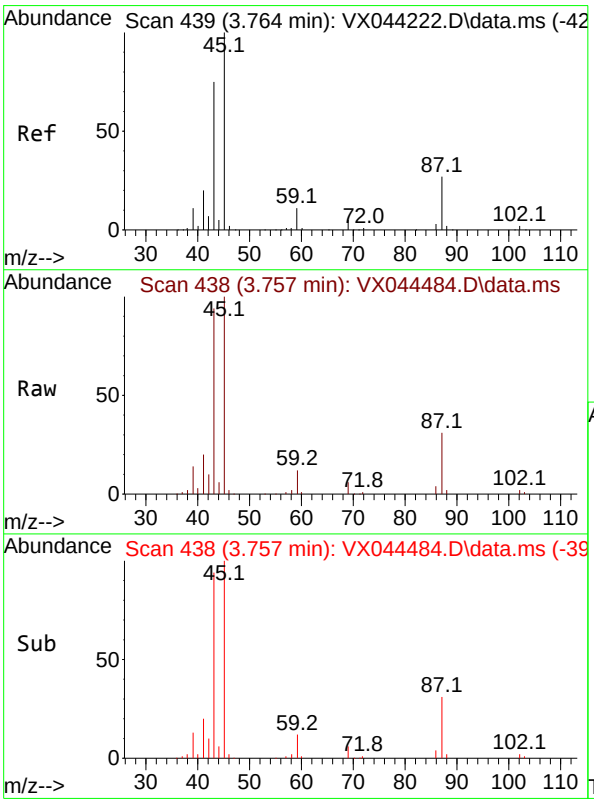

#21
trans-1,2-Dichloroethene
Concen: 17.082 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 96 Resp: 27761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.6 | 112.0 | 168.0 |
| 98 | 61.6 | 48.8 | 73.2 |

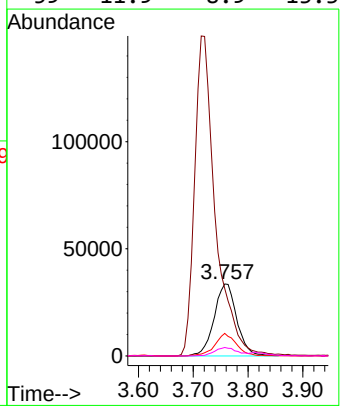


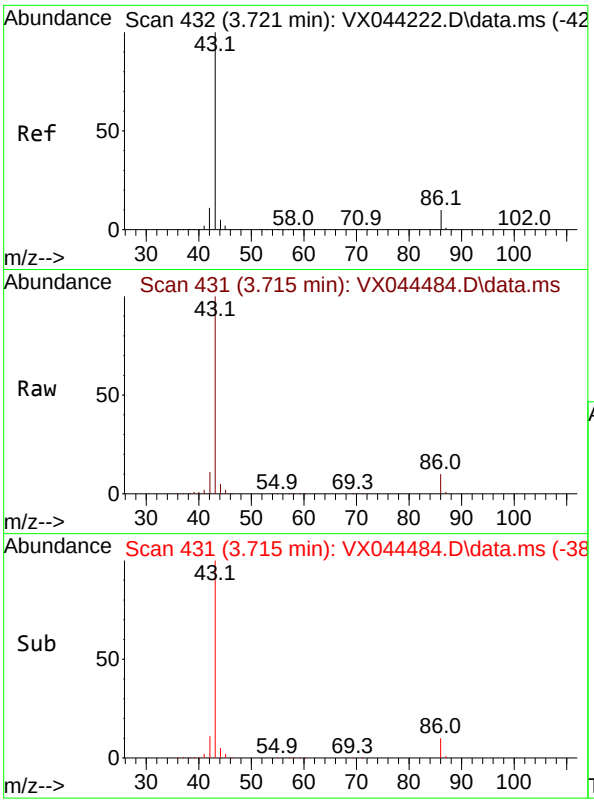




#22
Diisopropyl ether
Concen: 16.828 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 45 Resp: 96519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 93.3 | 60.2 | 90.2# |
| 87 | 31.4 | 21.2 | 31.8 |
| 59 | 11.9 | 8.9 | 13.3 |



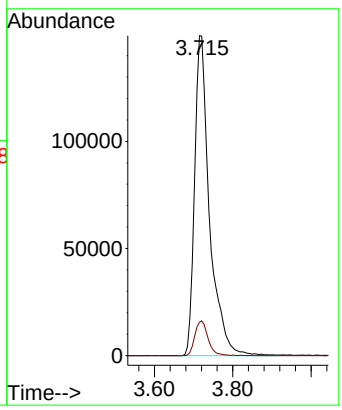


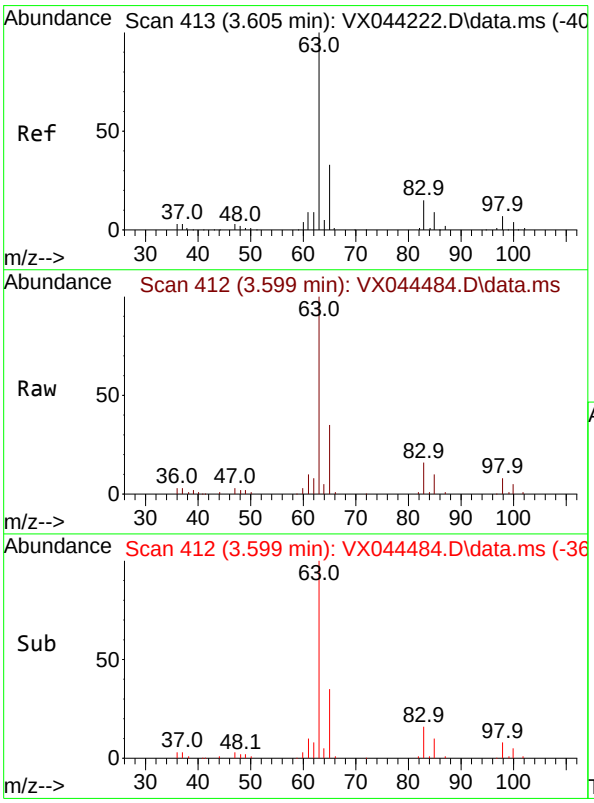

#23
Vinyl Acetate
Concen: 85.091 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 396777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.2 | 12.2 |

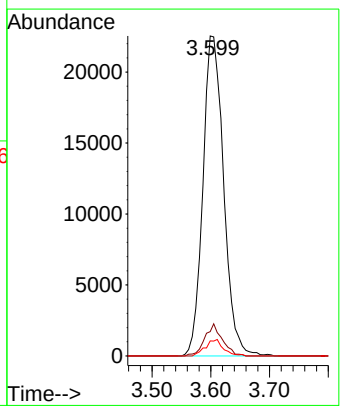


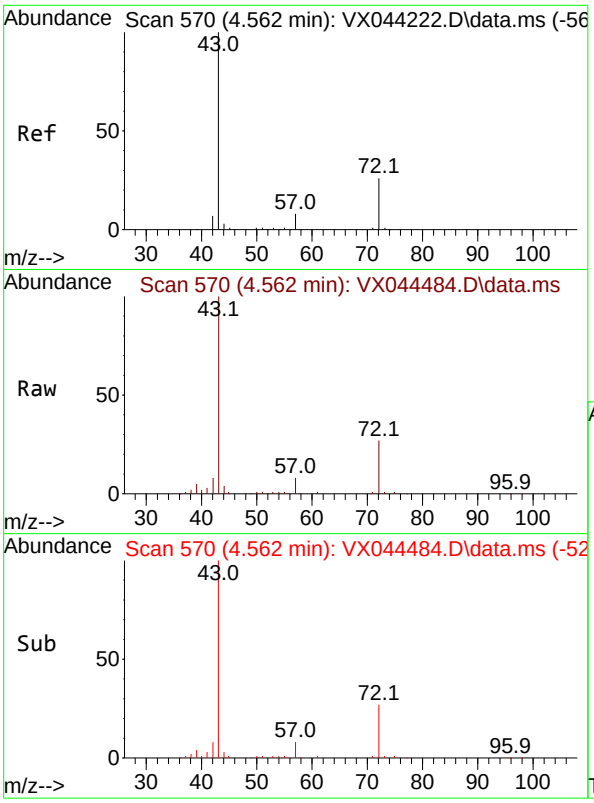




#24
1,1-Dichloroethane
Concen: 17.319 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 63 Resp: 55371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.6 | 10.8 |
| 100 | 4.7 | 2.1 | 6.3 |



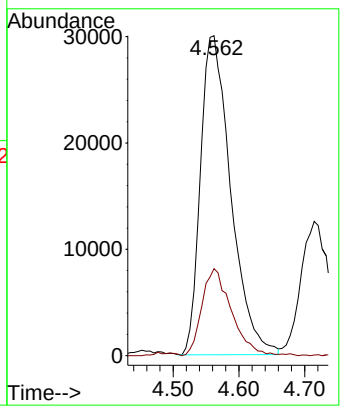


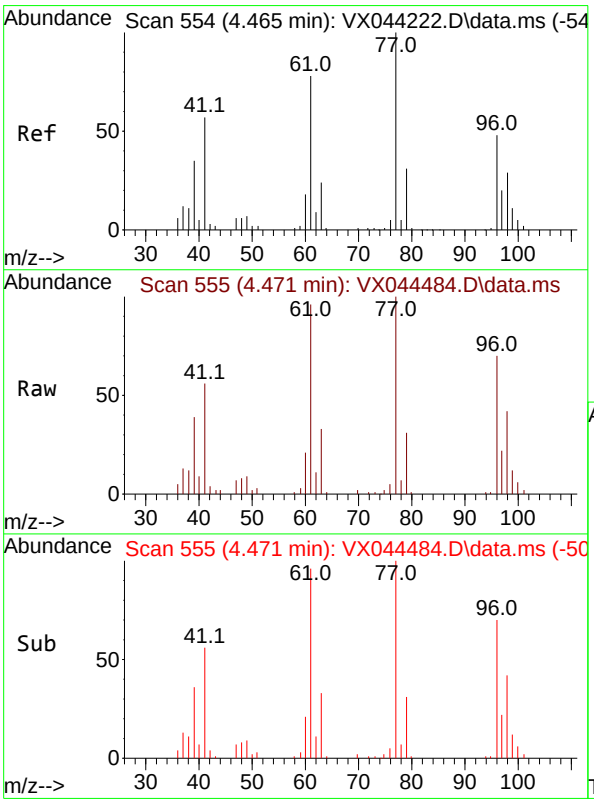

#25
2-Butanone
Concen: 69.639 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 96544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.9 | 20.2 | 30.4 |

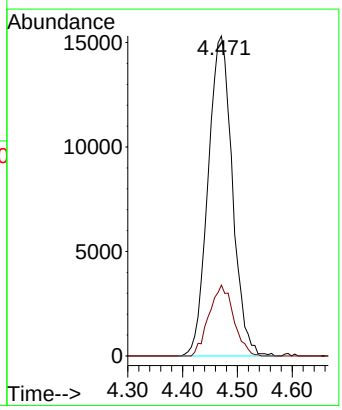


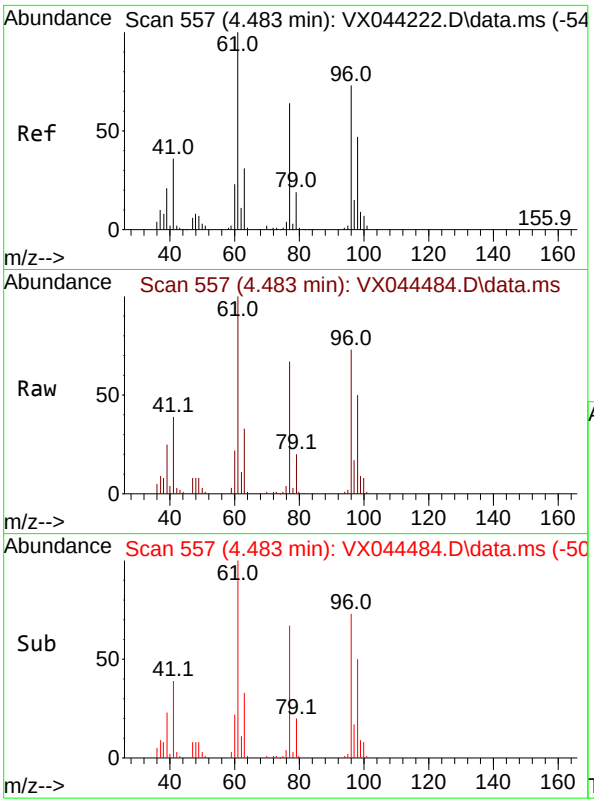




#26
2,2-Dichloropropane
Concen: 18.126 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 77 Resp: 47079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.5 | 10.7 | 32.1 |



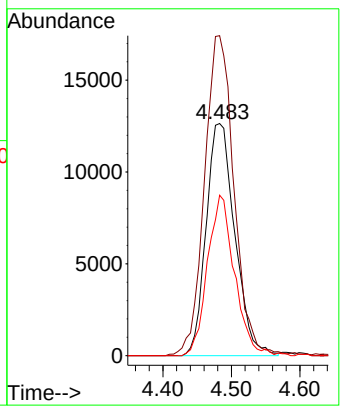


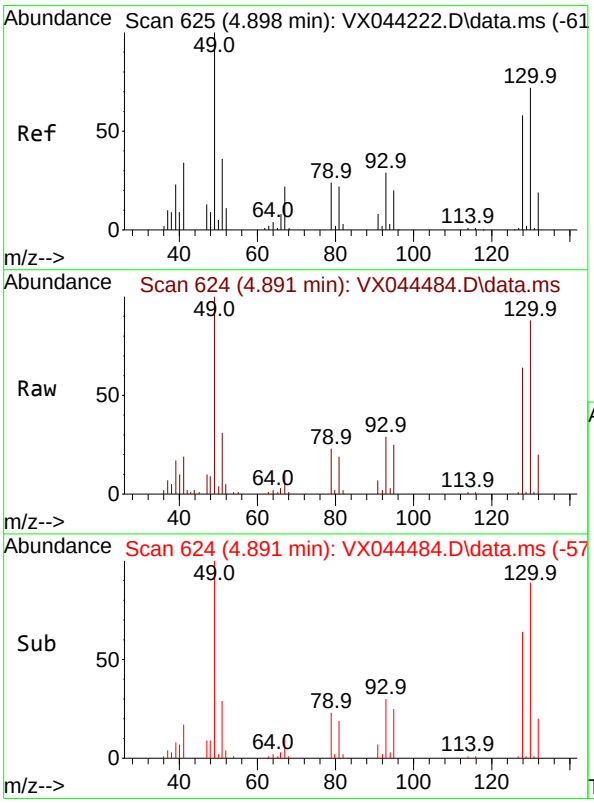

#27
cis-1,2-Dichloroethene
Concen: 17.829 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 96 Resp: 36799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.6 | 0.0 | 299.0 |
| 98 | 65.2 | 0.0 | 129.0 |

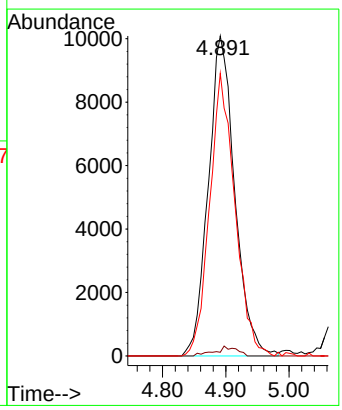


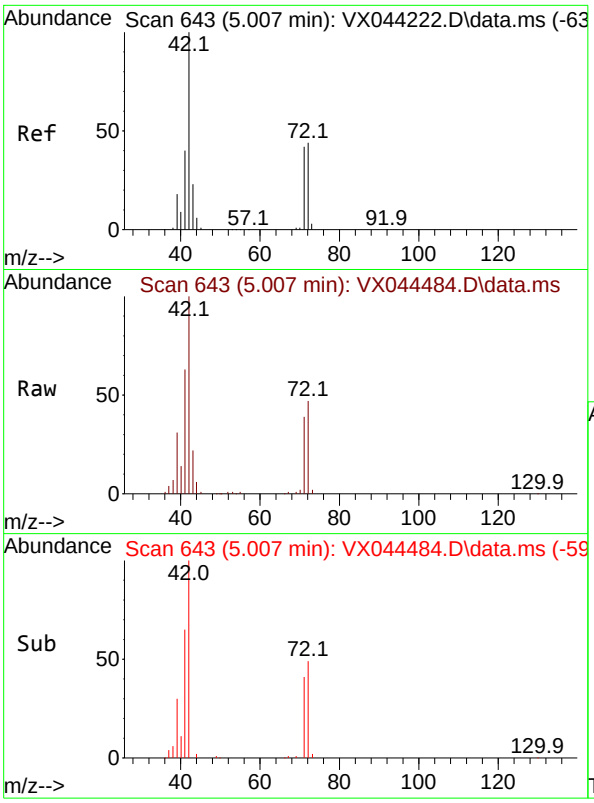




#28
Bromochloromethane
Concen: 18.689 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 49 Resp: 29299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.5 | 0.0 | 4.2 |
| 130 | 84.3 | 62.1 | 93.1 |



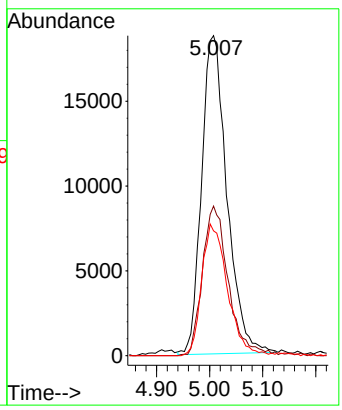


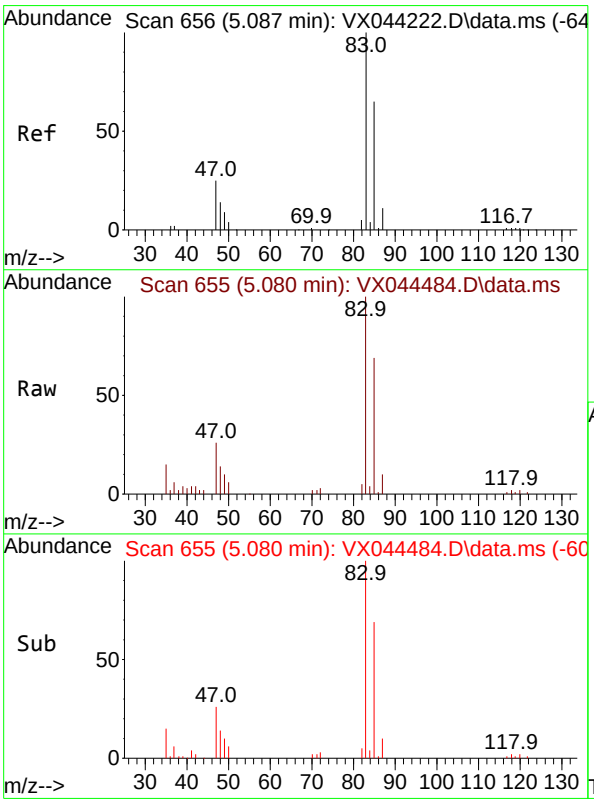

#29
Tetrahydrofuran
Concen: 69.958 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 42 Resp: 62253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.1 | 37.0 | 55.6 |
| 71 | 41.9 | 33.6 | 50.4 |

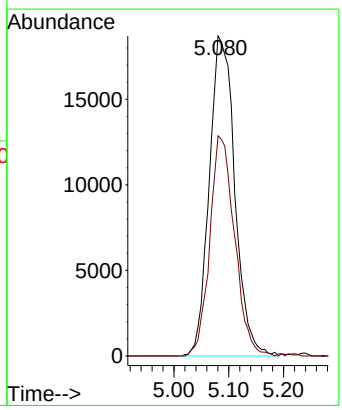


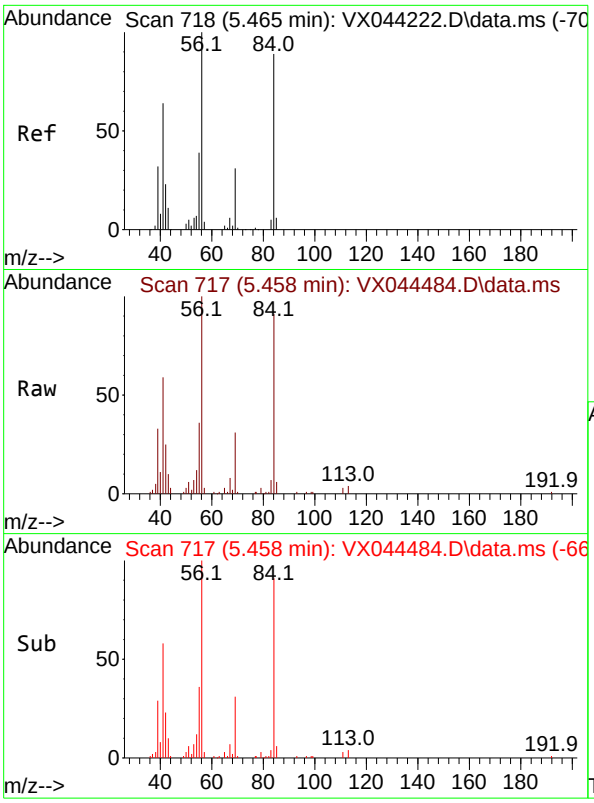




#30
Chloroform
Concen: 16.834 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 83 Resp: 60467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.8 | 51.6 | 77.4 |



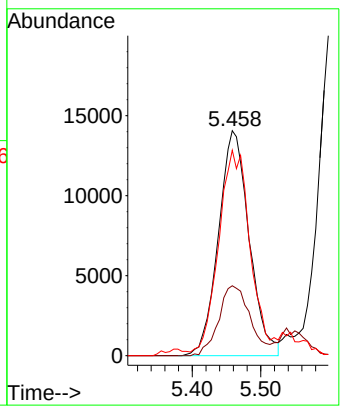


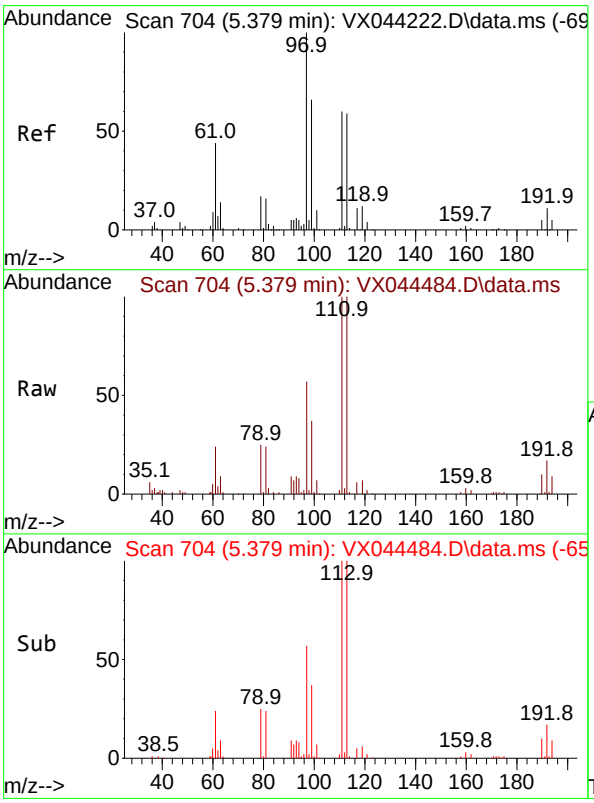

#31
Cyclohexane
Concen: 16.960 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 56 Resp: 43786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.1 | 24.7 | 37.1 |
| 84 | 88.4 | 71.0 | 106.6 |

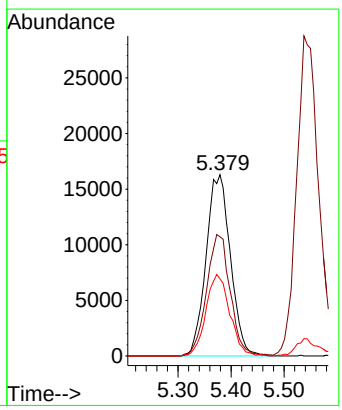


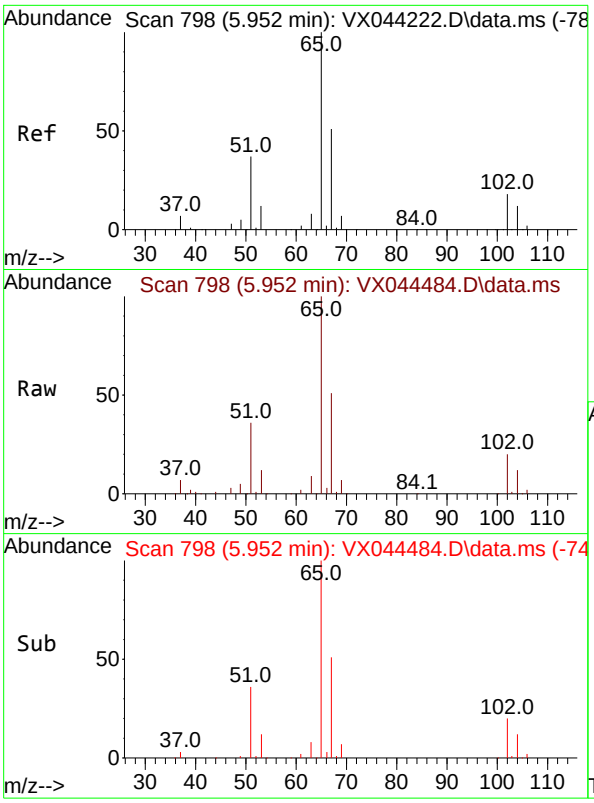




#32
1,1,1-Trichloroethane
Concen: 17.470 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 97 Resp: 52091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 50.8 | 76.2 |
| 61 | 44.0 | 35.2 | 52.8 |



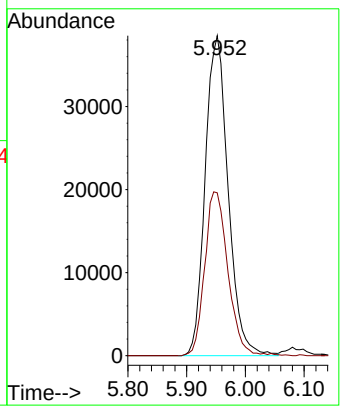


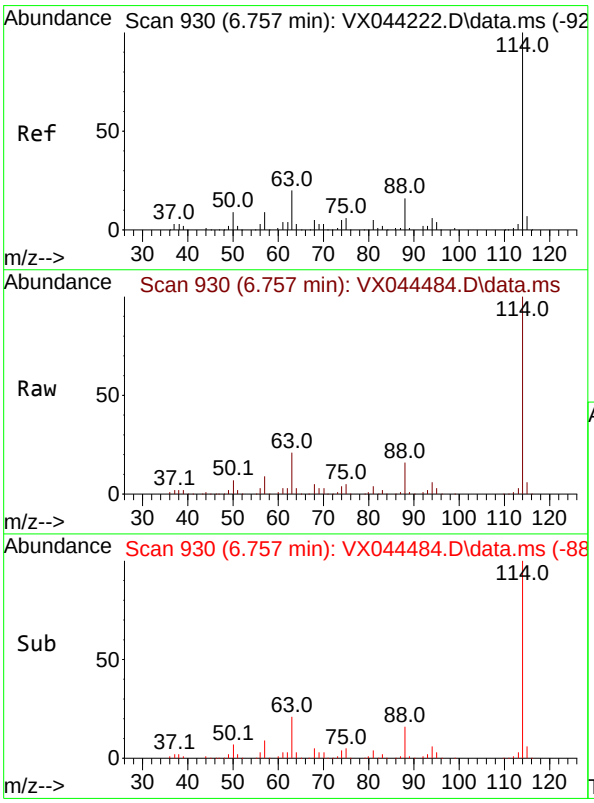

#33
1,2-Dichloroethane-d4
Concen: 43.697 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 65 Resp: 104522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 101.6 |

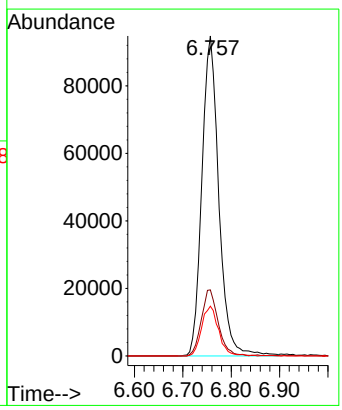


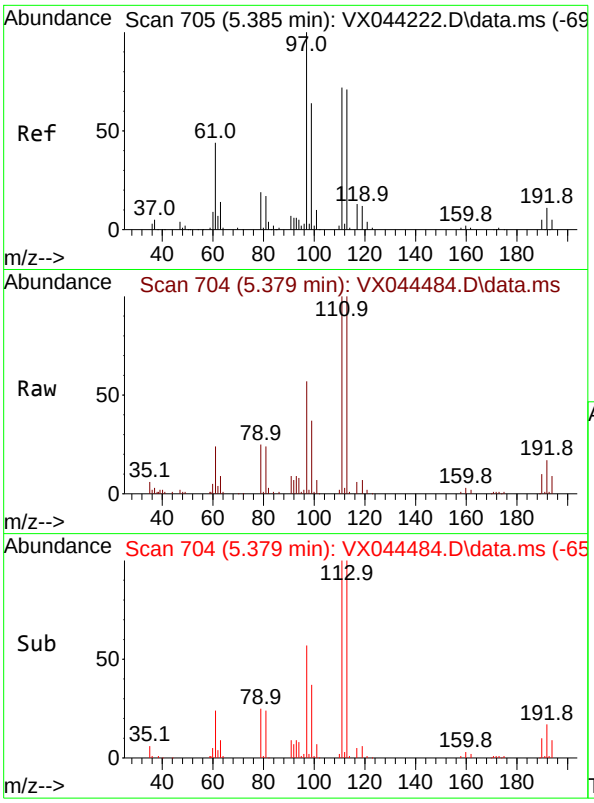




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:114 Resp: 230675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 40.6 |
| 88 | 15.6 | 0.0 | 31.8 |



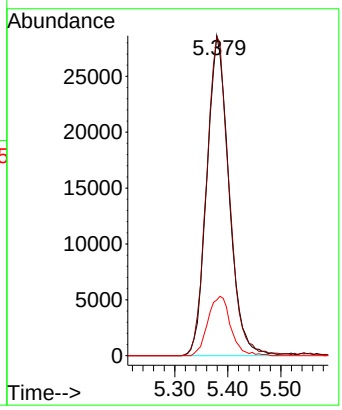


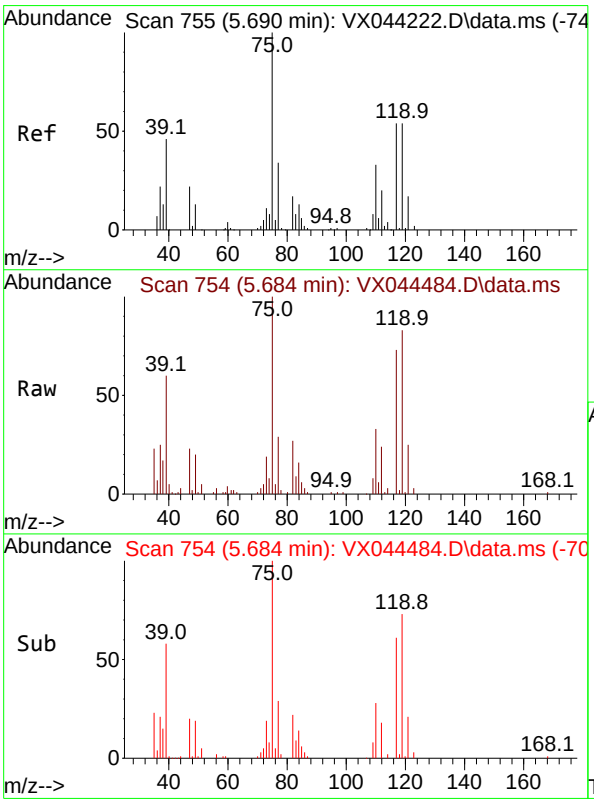

#35
Dibromofluoromethane
Concen: 52.043 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:113 Resp: 83146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 80.4 | 120.6 |
| 192 | 19.1 | 13.3 | 19.9 |

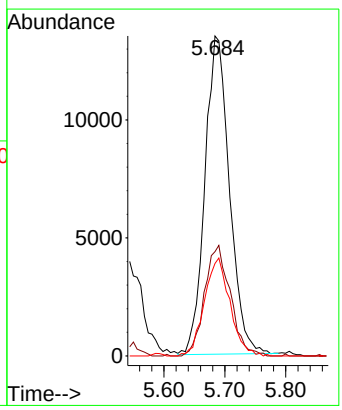


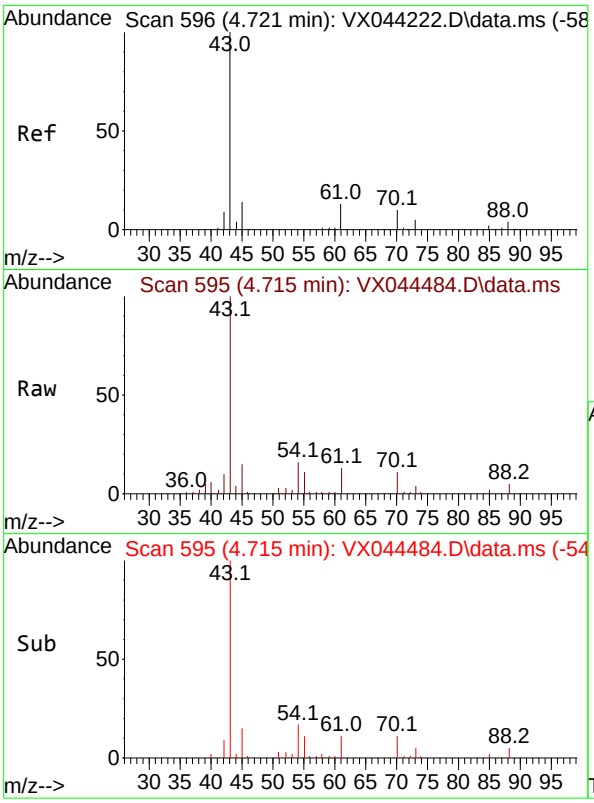




#36
1,1-Dichloropropene
Concen: 18.299 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 75 Resp: 37790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.4 | 17.3 | 51.7 |
| 77 | 32.1 | 25.4 | 38.0 |



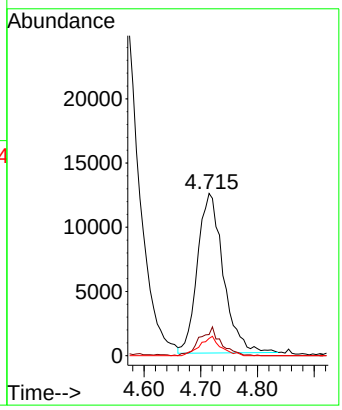


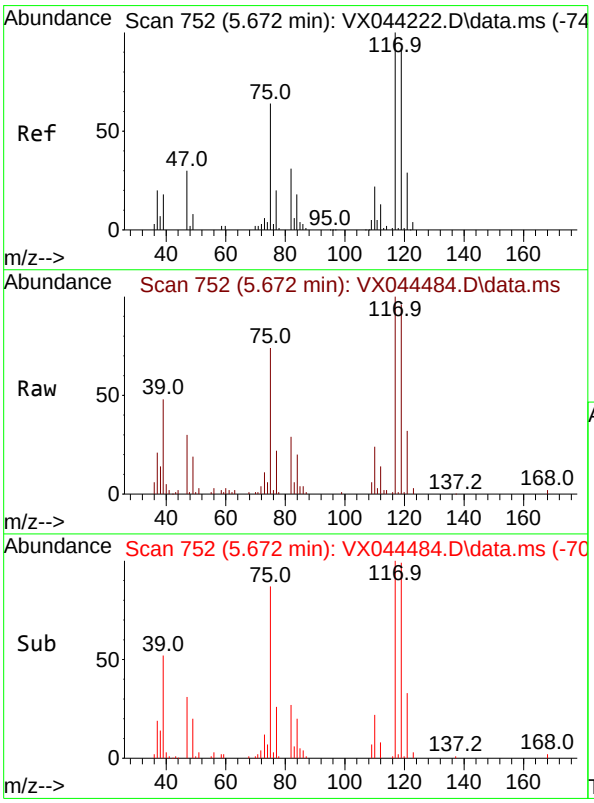

#37
Ethyl Acetate
Concen: 15.393 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 39294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.6 | 9.8 | 14.8 |
| 70 | 9.7 | 7.7 | 11.5 |

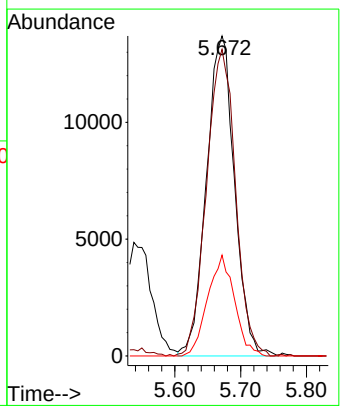


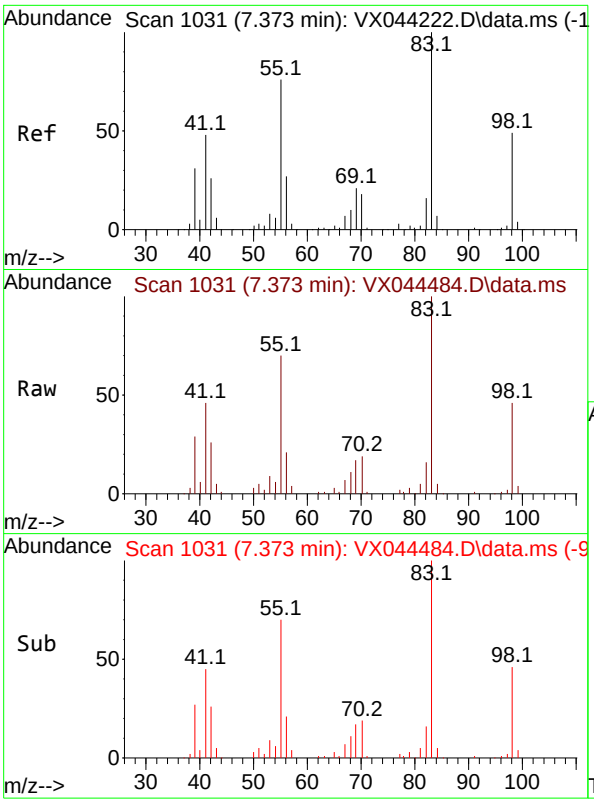




#38
Carbon Tetrachloride
Concen: 18.356 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:117 Resp: 40813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.4 | 74.2 | 111.4 |
| 121 | 31.5 | 23.0 | 34.6 |



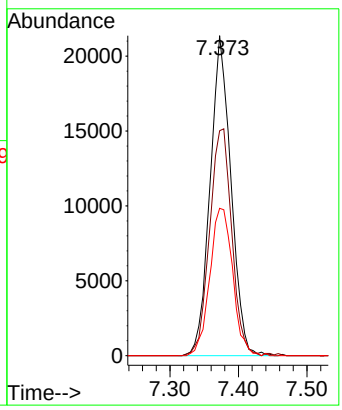


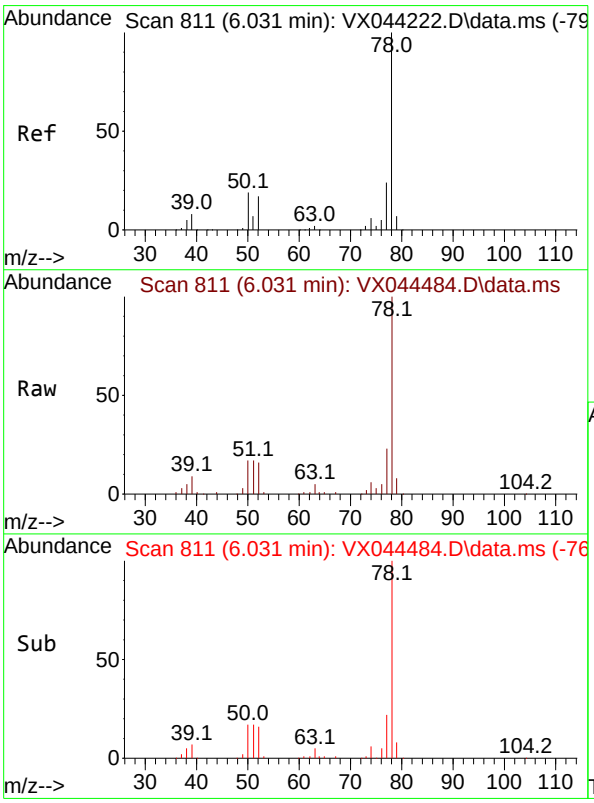

#39
Methylcyclohexane
Concen: 18.304 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 83 Resp: 45190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 70.3 | 60.7 | 91.1 |
| 98 | 46.1 | 38.9 | 58.3 |

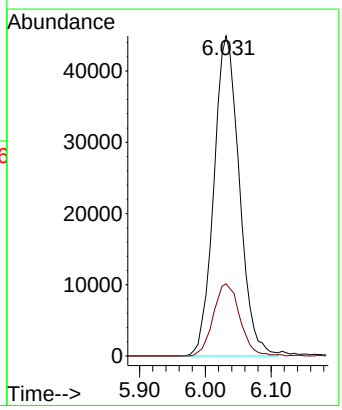


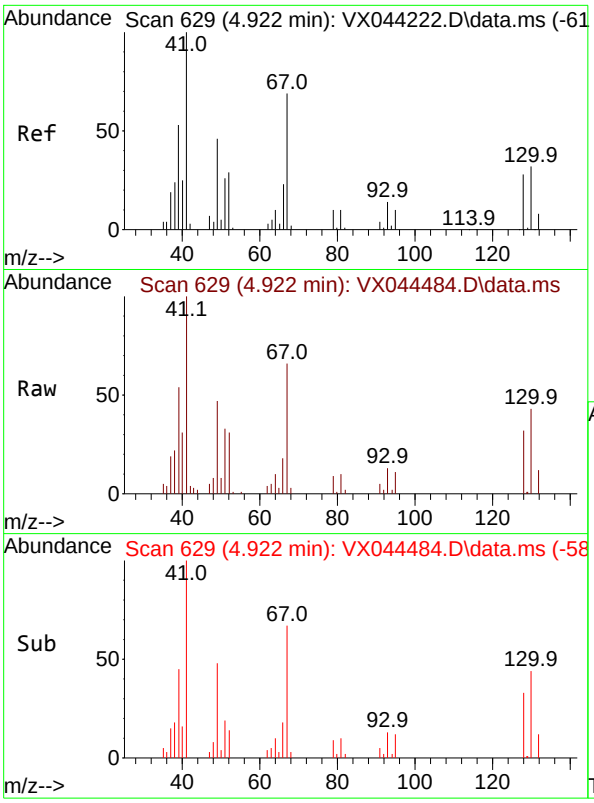




#40
Benzene
Concen: 19.316 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 78 Resp: 121112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.6 | 19.3 | 28.9 |



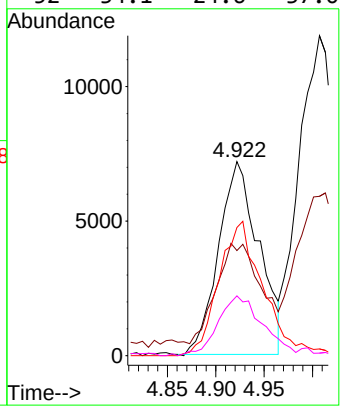


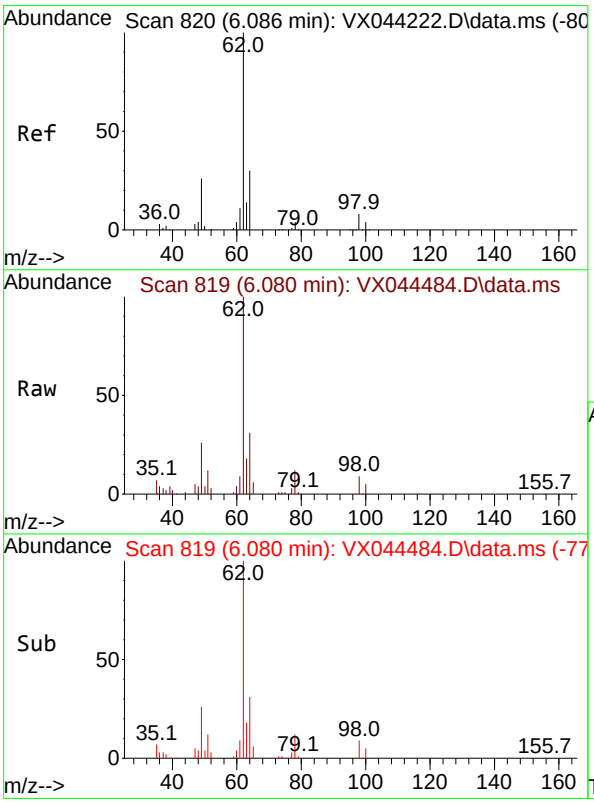

#41
Methacrylonitrile
Concen: 15.336 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 41 Resp: 20789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.7 | 44.2 | 66.4 |
| 67 | 76.5 | 57.2 | 85.8 |
| 52 | 34.1 | 24.6 | 37.0 |

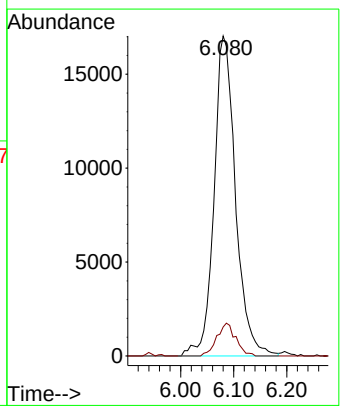


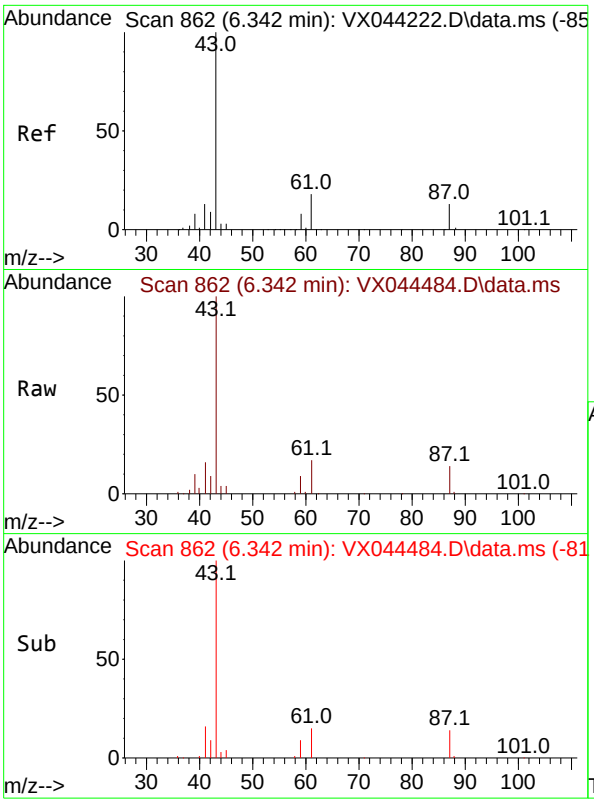




#42
1,2-Dichloroethane
Concen: 18.601 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 62 Resp: 48045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 15.8 |



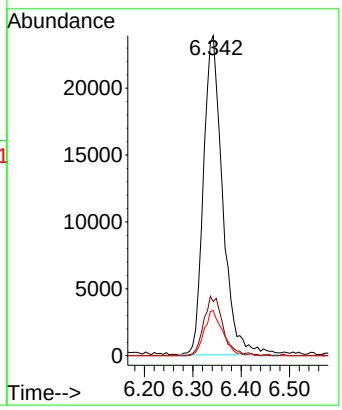


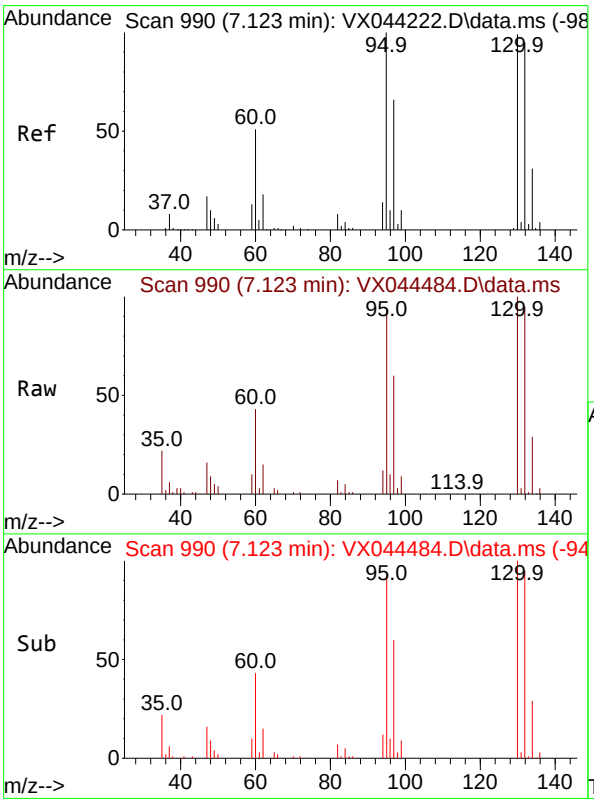

#43
Isopropyl Acetate
Concen: 16.475 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 65736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 14.2 | 21.2 |
| 87 | 13.6 | 10.2 | 15.2 |

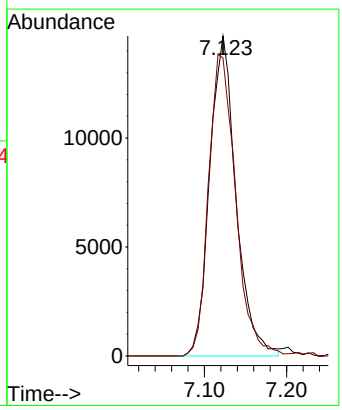


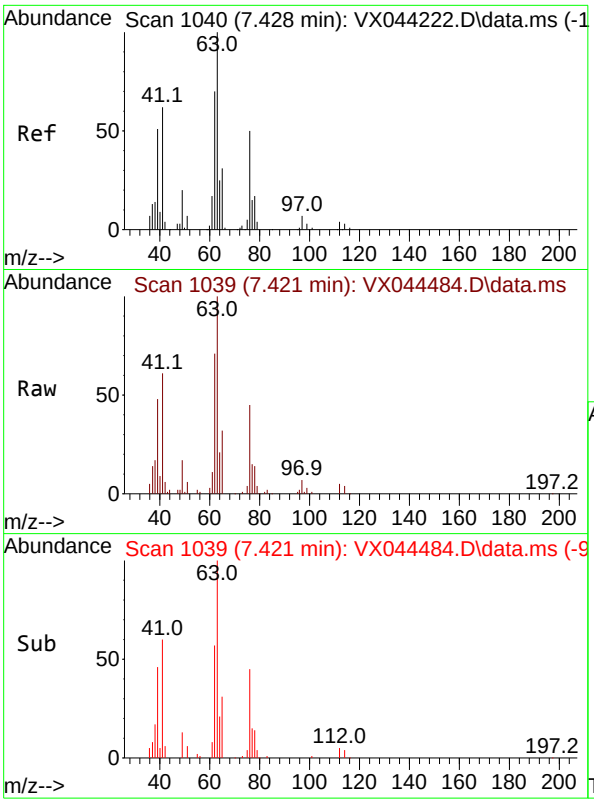




#44
Trichloroethene
Concen: 20.823 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:130 Resp: 32559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 93.1 | 0.0 | 201.4 |



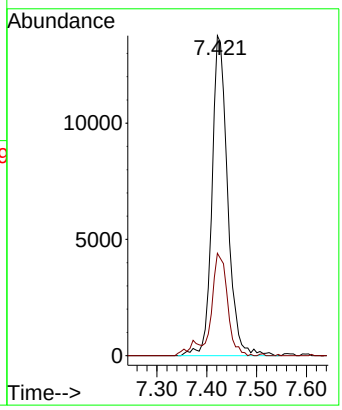


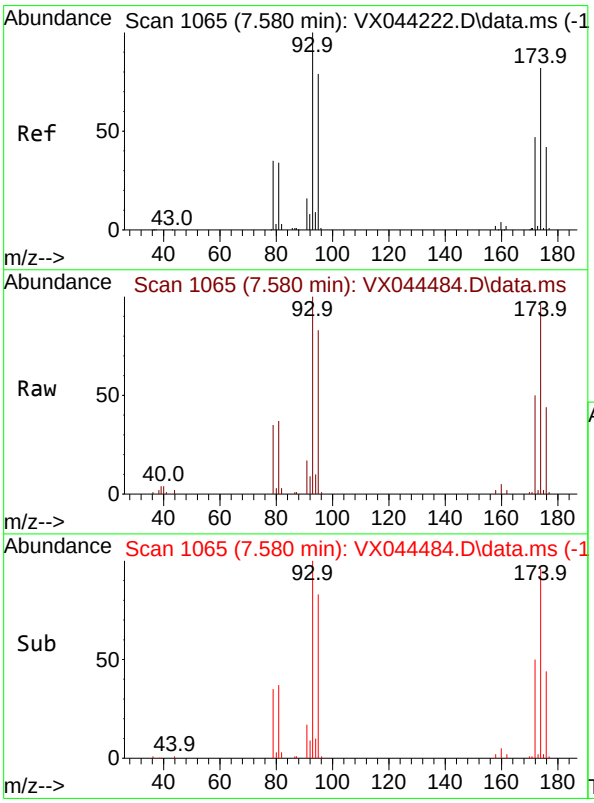

#45
1,2-Dichloropropane
Concen: 18.733 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 63 Resp: 30009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 24.6 | 37.0 |

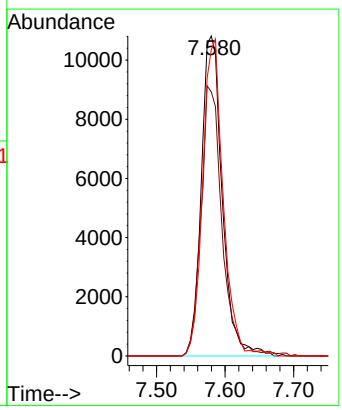


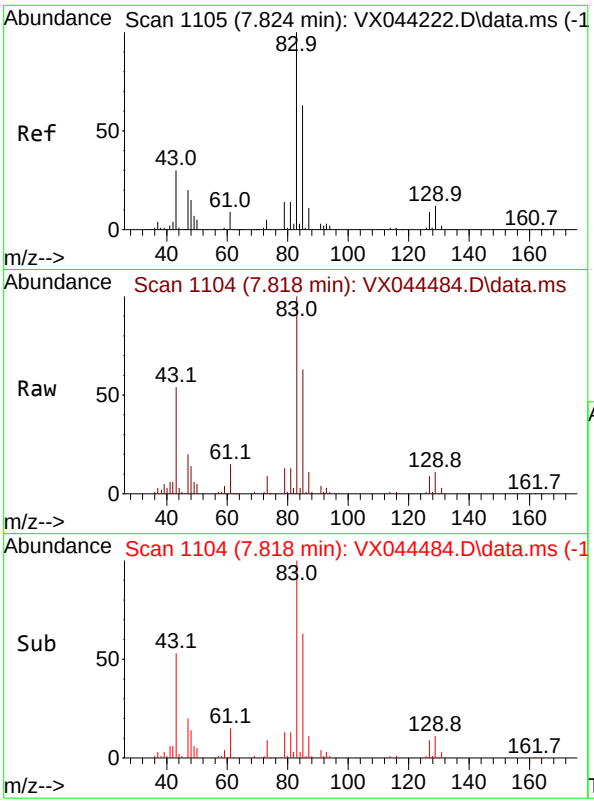




#46
Dibromomethane
Concen: 18.470 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 93 Resp: 22954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.9 | 65.4 | 98.2 |
| 174 | 97.4 | 67.9 | 101.9 |



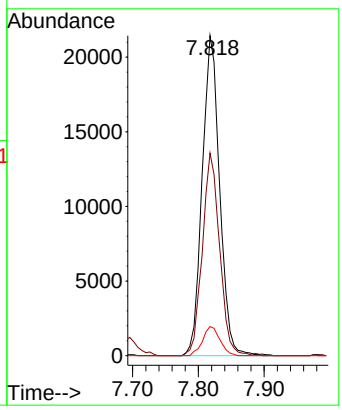


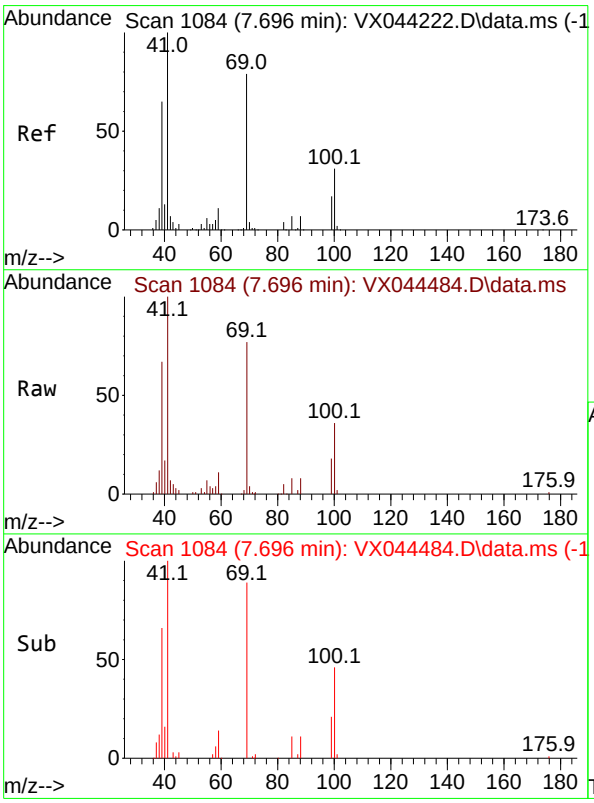

#47
Bromodichloromethane
Concen: 18.450 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 83 Resp: 39600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 50.6 | 75.8 |
| 127 | 9.1 | 7.3 | 10.9 |

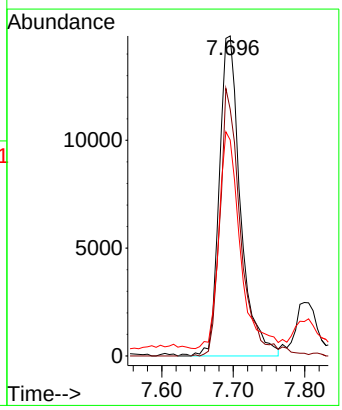


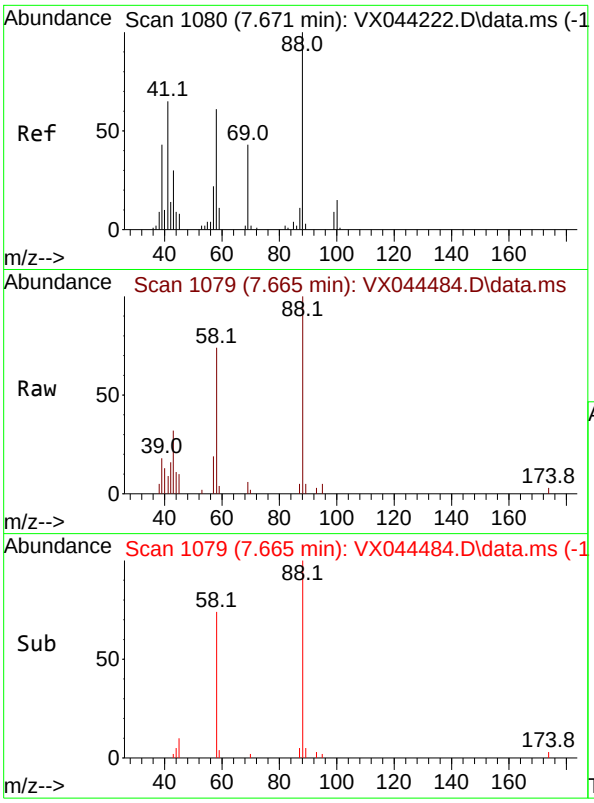




#48
Methyl methacrylate
Concen: 15.770 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 41 Resp: 30544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.7 | 62.4 | 93.6 |
| 39 | 67.8 | 53.3 | 79.9 |



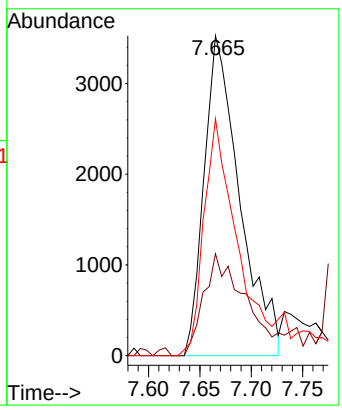


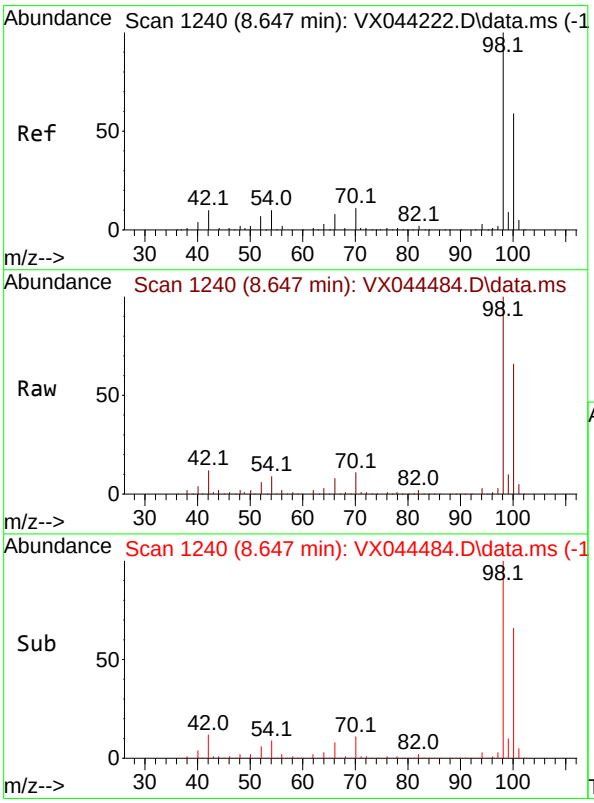

#49
1,4-Dioxane
Concen: 265.414 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 88 Resp: 8523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.0 | 27.1 | 40.7 |
| 58 | 67.9 | 41.0 | 61.4# |

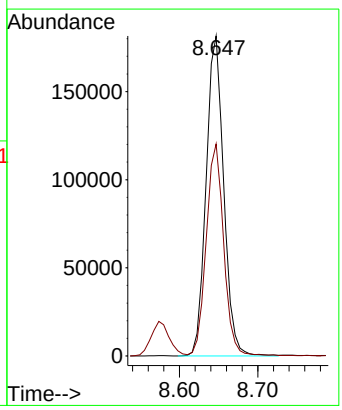


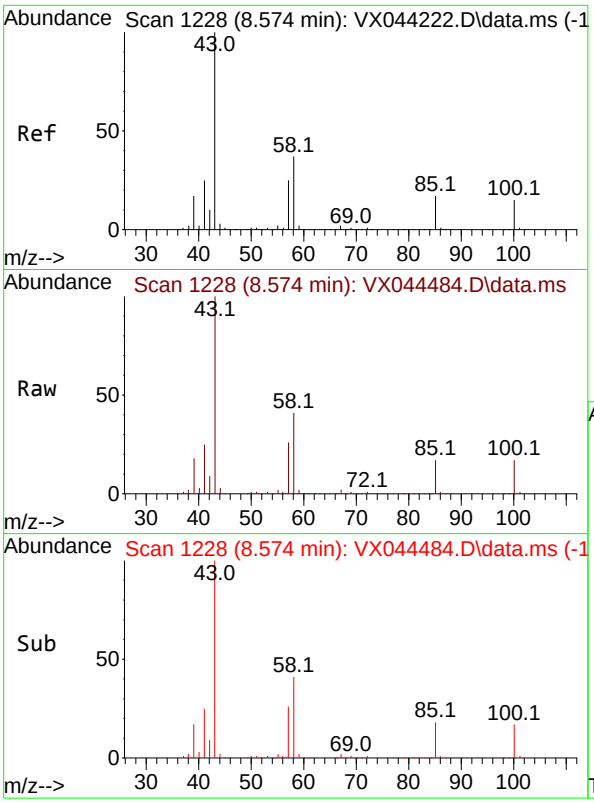




#50
Toluene-d8
Concen: 52.366 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 98 Resp: 282252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 51.5 | 77.3 |



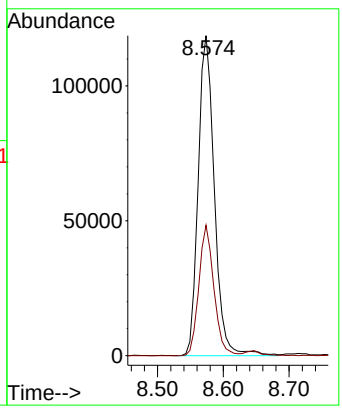


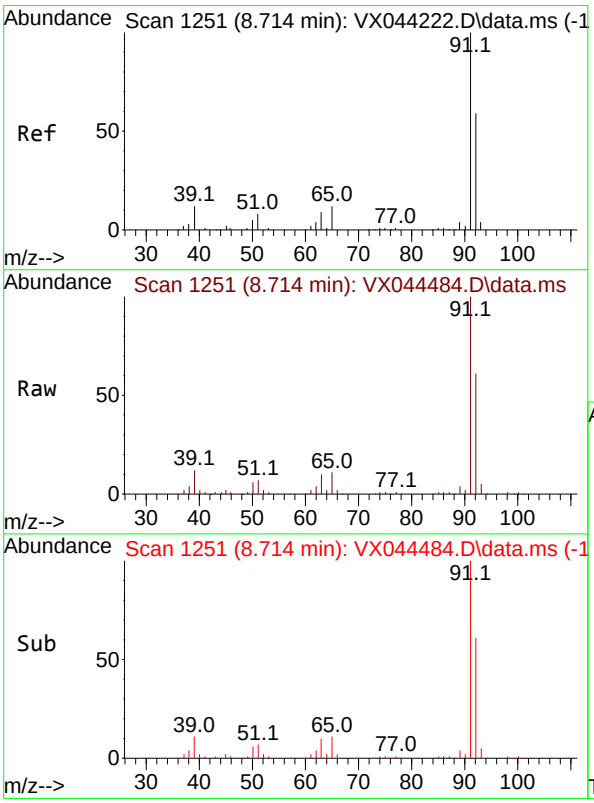

#51
4-Methyl-2-Pentanone
Concen: 79.048 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 202796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 29.4 | 44.0 |

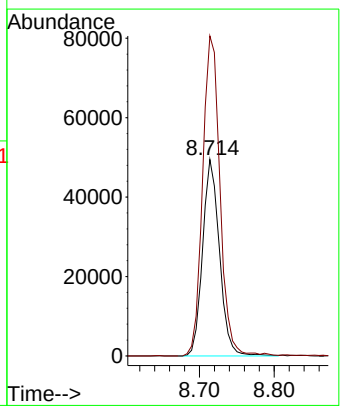


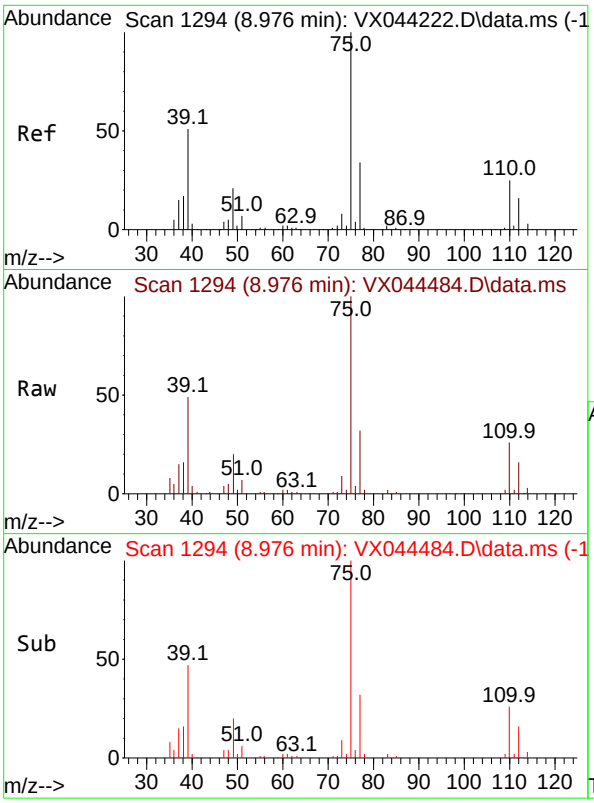




#52
Toluene
Concen: 19.696 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 92 Resp: 77555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.9 | 137.0 | 205.6 |



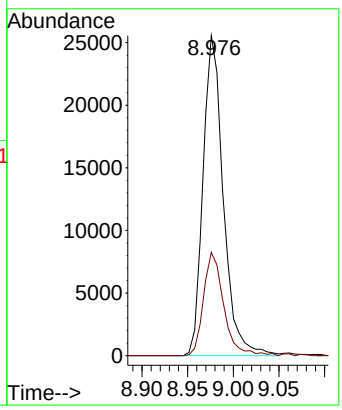


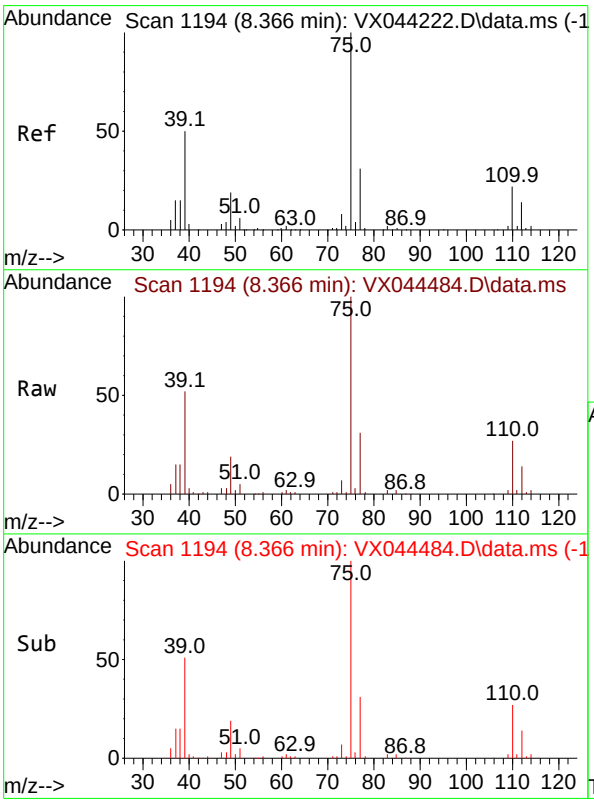

#53
t-1,3-Dichloropropene
Concen: 18.305 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 75 Resp: 39372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 27.2 | 40.8 |

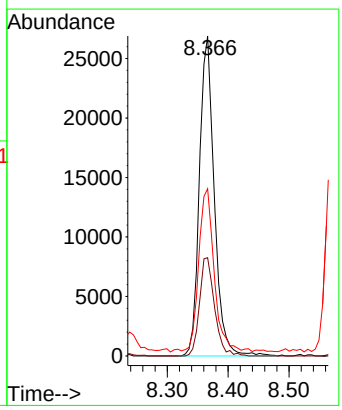


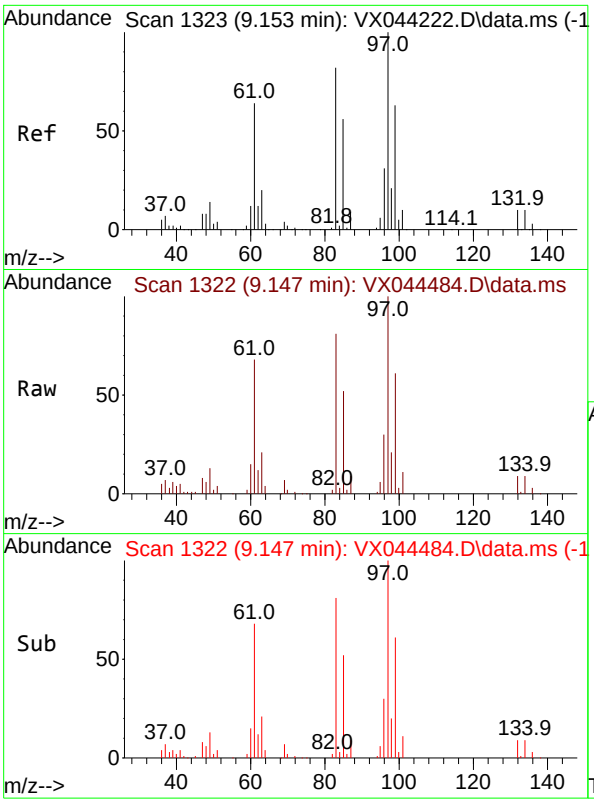




#54
cis-1,3-Dichloropropene
Concen: 19.516 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 75 Resp: 45608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 24.7 | 37.1 |
| 39 | 50.9 | 40.3 | 60.5 |



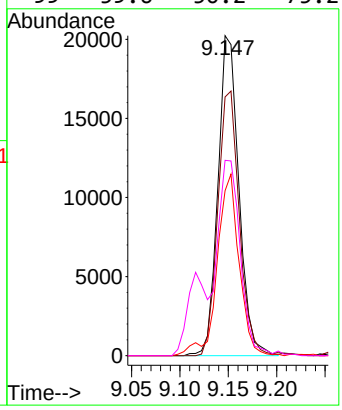


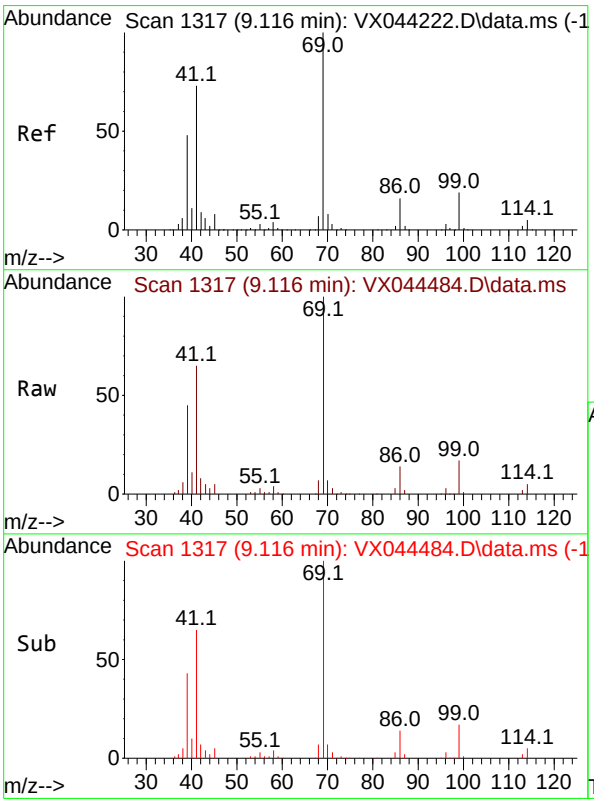

#55
1,1,2-Trichloroethane
Concen: 19.448 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 97 Resp: 30421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.8 | 65.3 | 97.9 |
| 85 | 51.1 | 44.6 | 67.0 |
| 99 | 59.6 | 50.2 | 75.2 |

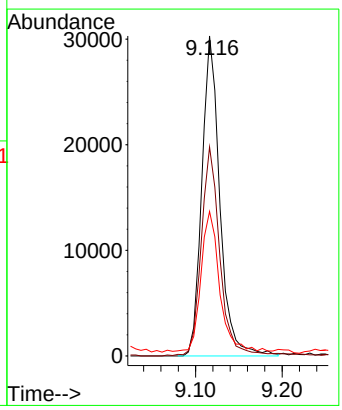


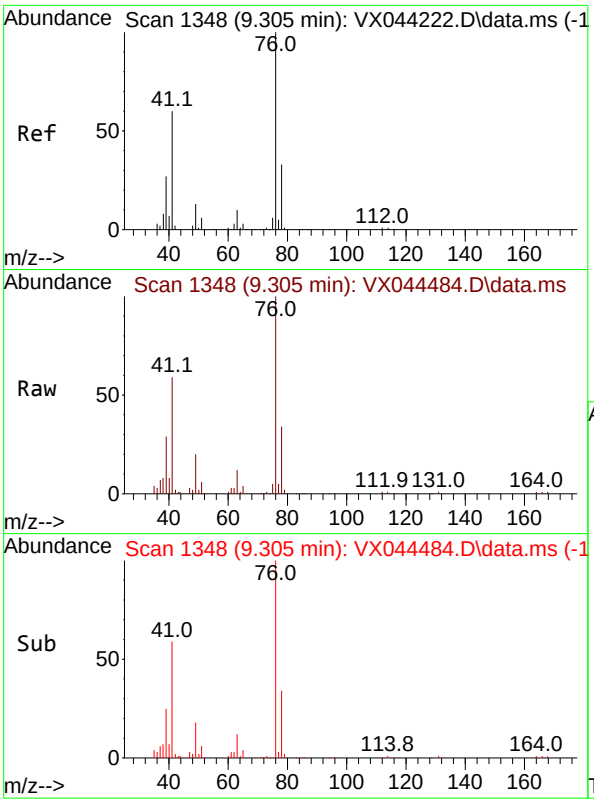




#56
Ethyl methacrylate
Concen: 17.707 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 69 Resp: 43727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.6 | 56.6 | 85.0 |
| 39 | 46.2 | 37.4 | 56.0 |



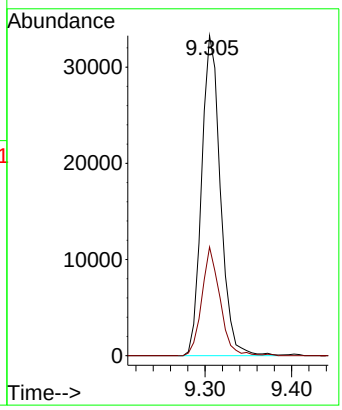


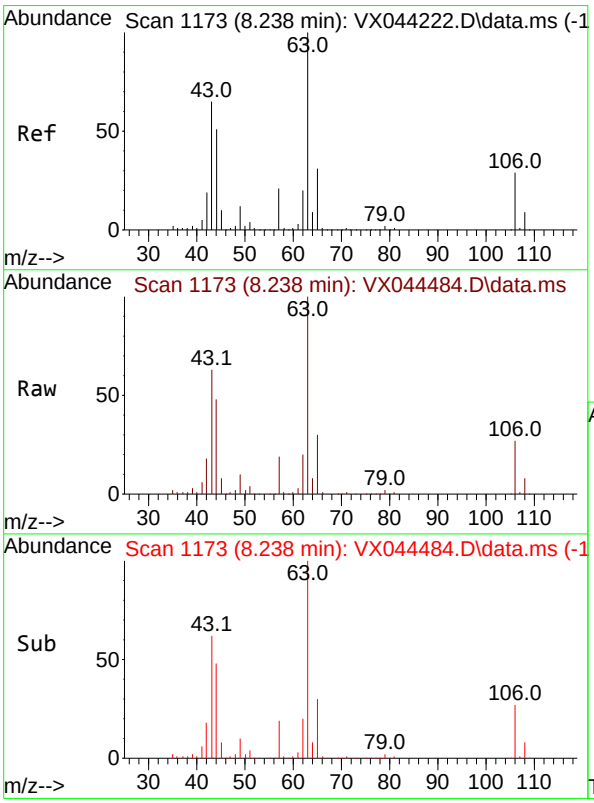

#57
1,3-Dichloropropane
Concen: 18.421 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 76 Resp: 50156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.5 | 39.7 |

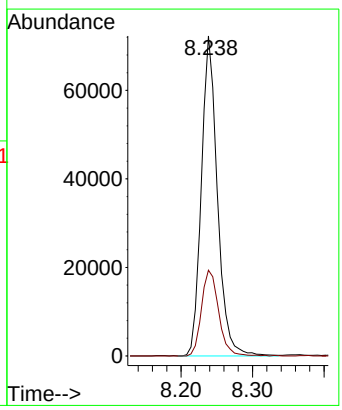


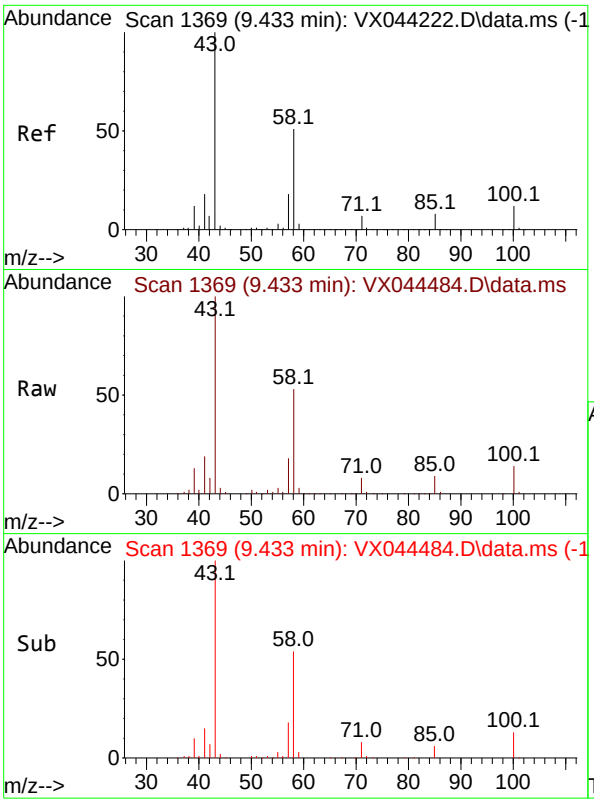




#58
2-Chloroethyl Vinyl ether
Concen: 90.532 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 63 Resp: 112759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 22.8 | 34.2 |



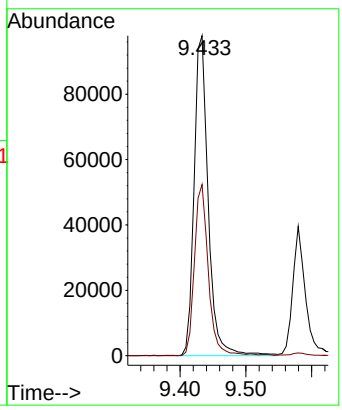


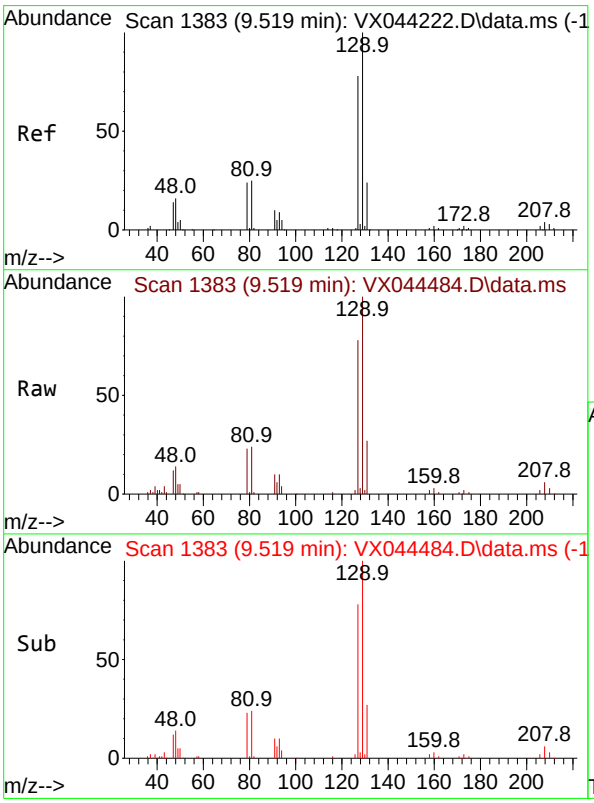

#59
2-Hexanone
Concen: 78.199 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 145212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 25.7 | 77.0 |

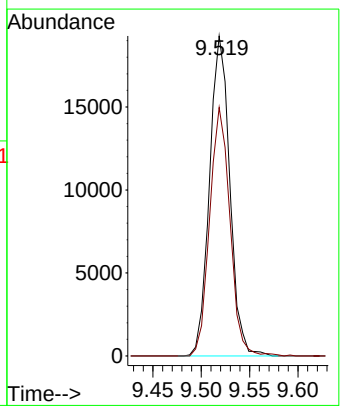


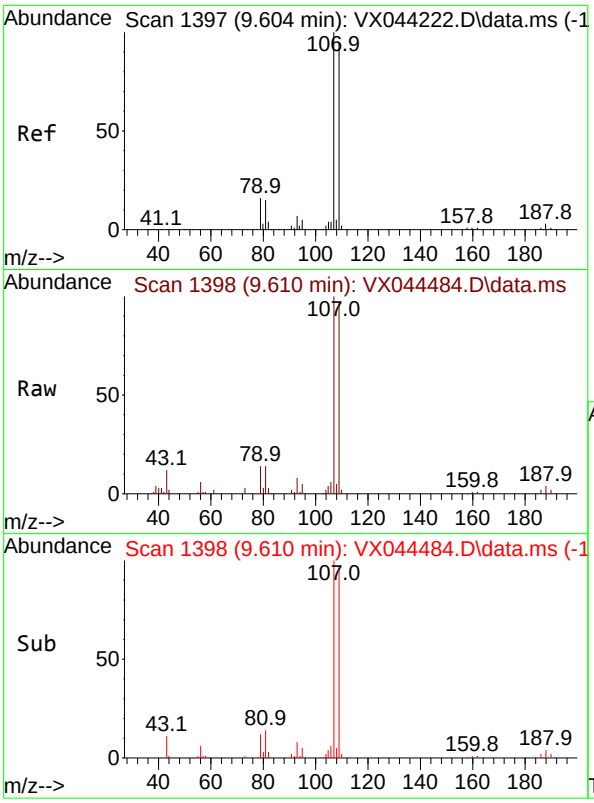




#60
Dibromochloromethane
Concen: 18.262 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:129 Resp: 28097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 38.5 | 115.3 |



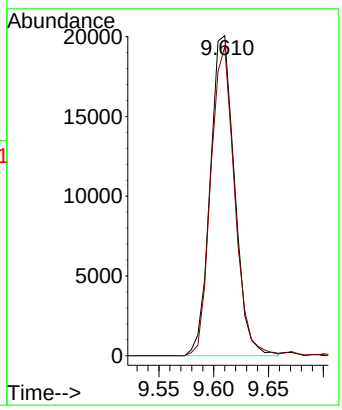


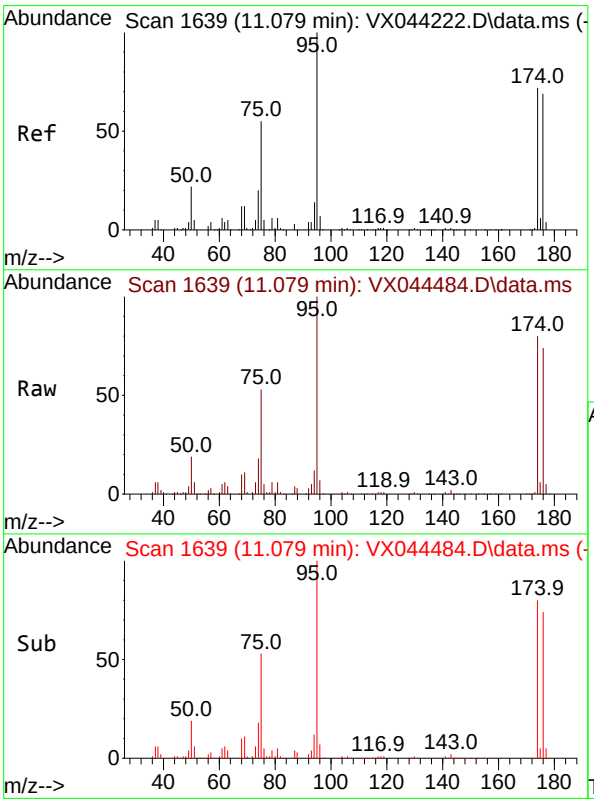

#61
1,2-Dibromoethane
Concen: 19.484 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:107 Resp: 31023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 77.0 | 115.4 |

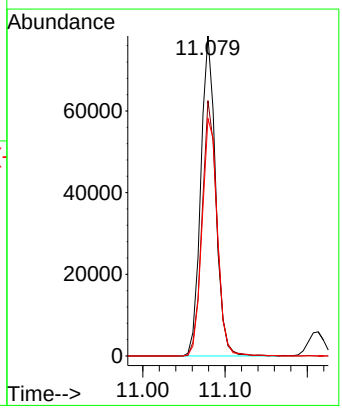


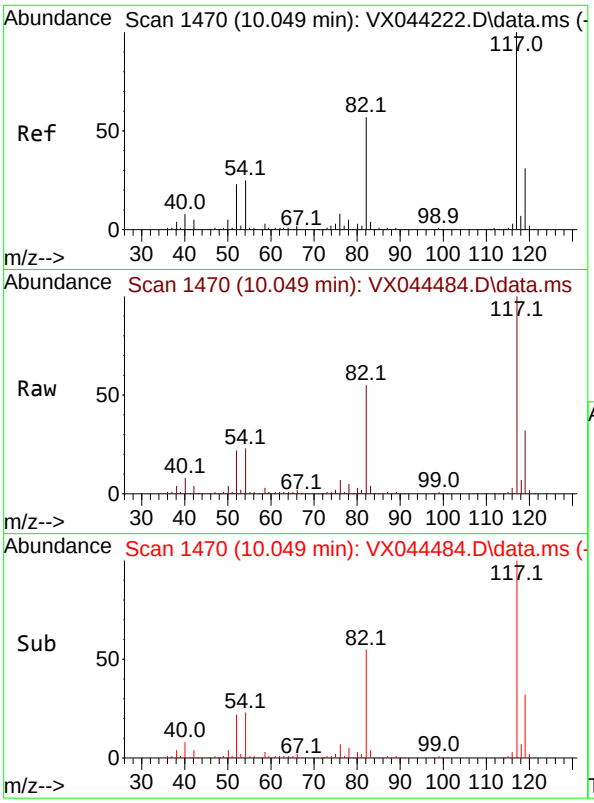




#62
4-Bromofluorobenzene
Concen: 52.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 95 Resp: 98037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.8 | 0.0 | 145.8 |
| 176 | 77.2 | 0.0 | 137.8 |



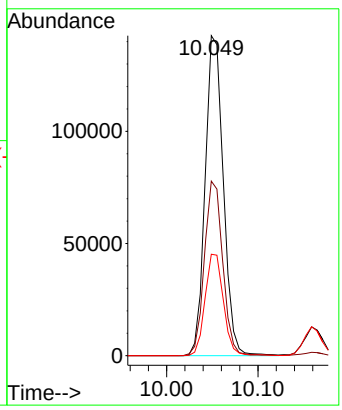


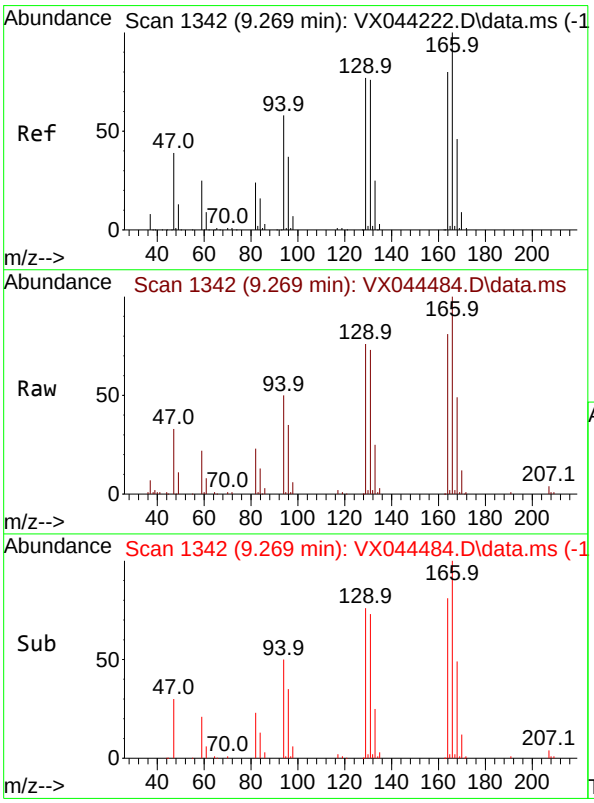

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:117 Resp: 197773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.6 | 45.8 | 68.8 |
| 119 | 31.7 | 25.0 | 37.4 |

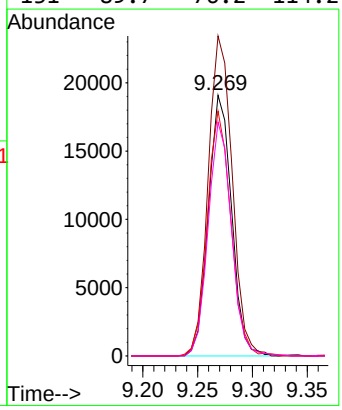


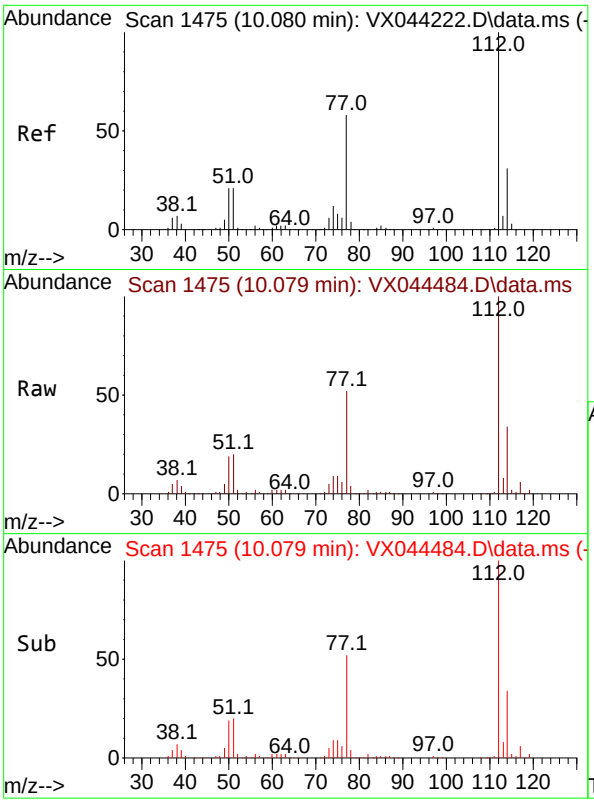




#64
Tetrachloroethene
Concen: 21.455 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:164 Resp: 28163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 122.8 | 100.4 | 150.6 |
| 129 | 93.9 | 77.2 | 115.8 |
| 131 | 89.7 | 76.2 | 114.2 |



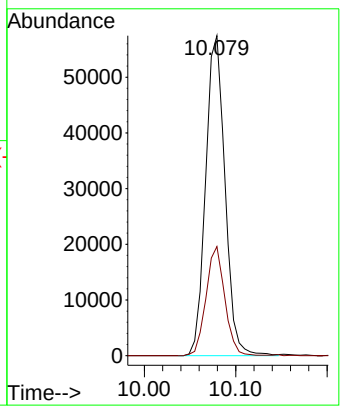


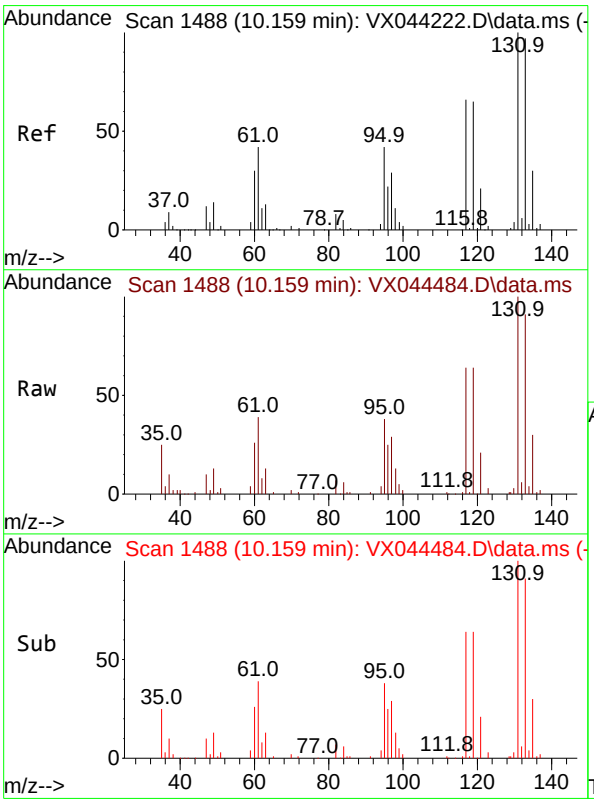

#65
Chlorobenzene
Concen: 19.887 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:112 Resp: 84278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 34.1 | 25.0 | 37.6 |

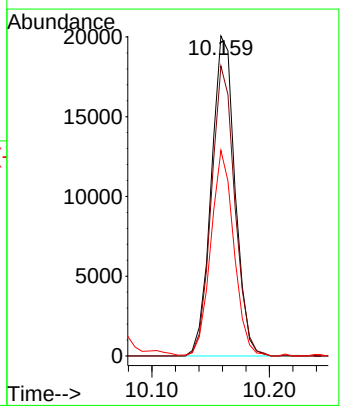


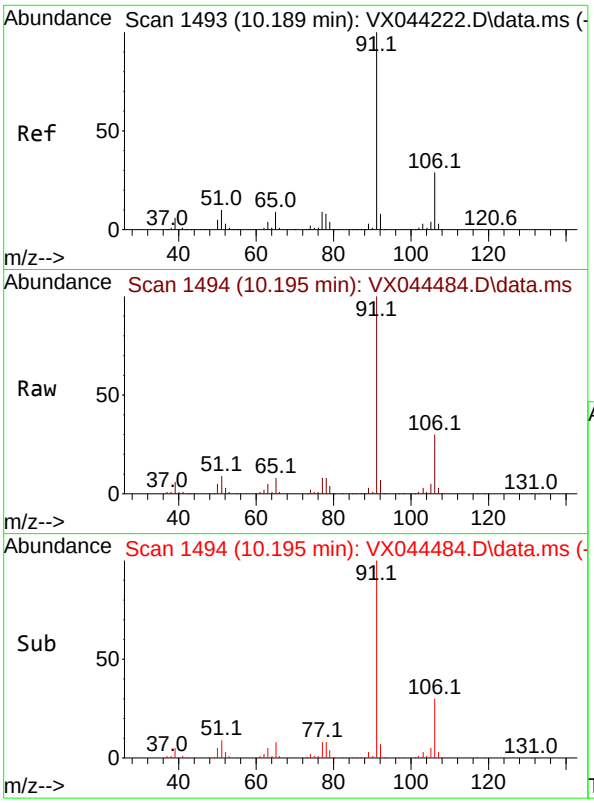




#66
1,1,1,2-Tetrachloroethane
Concen: 20.684 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:131 Resp: 28171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 89.6 | 47.3 | 141.8 |
| 119 | 62.3 | 31.6 | 95.0 |



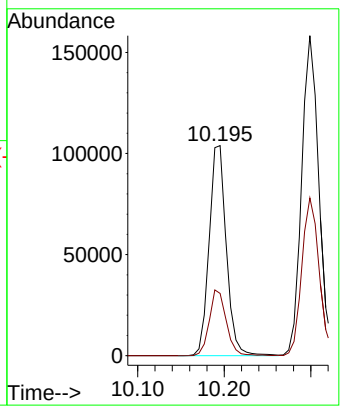


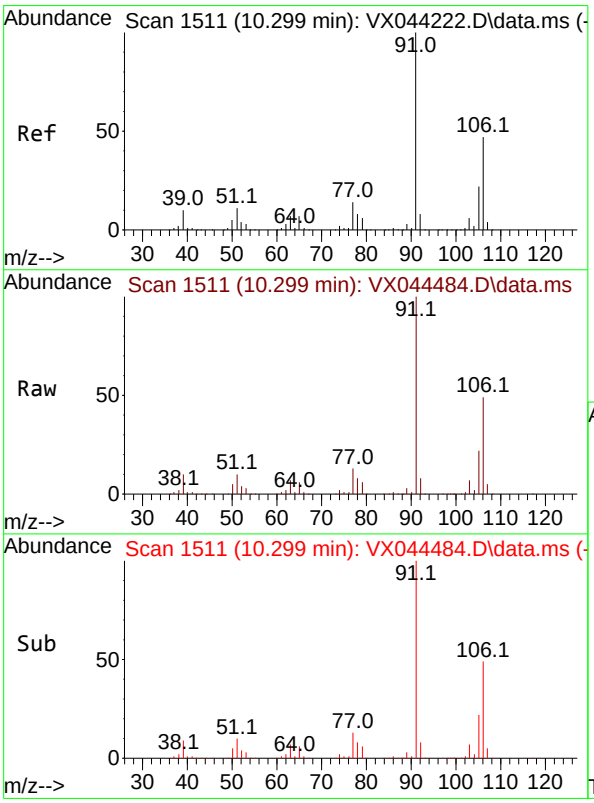

#67
Ethyl Benzene
Concen: 19.568 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 91 Resp: 143285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 23.5 | 35.3 |

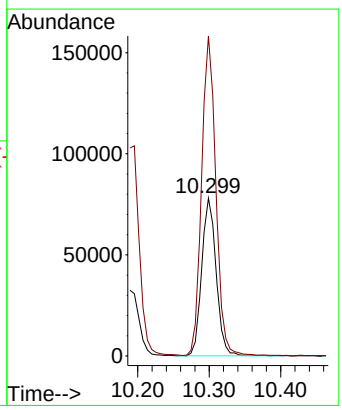


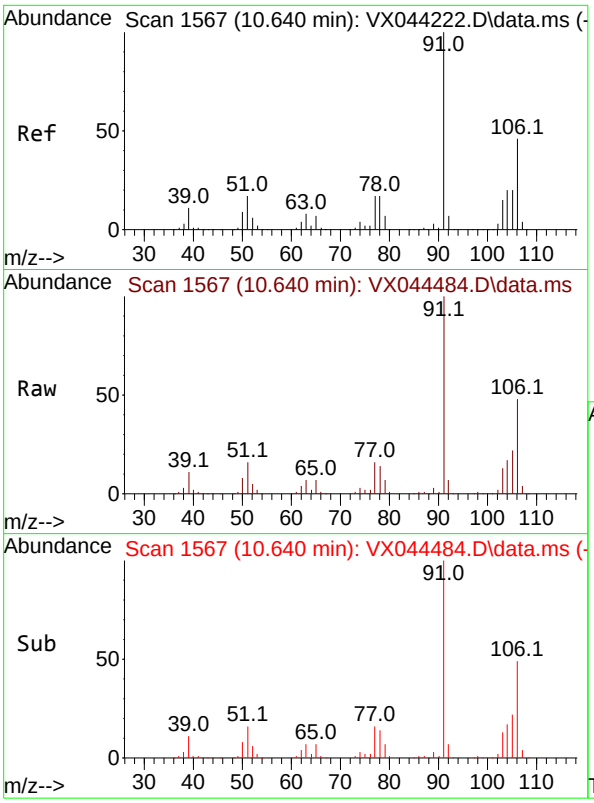




#68
m/p-Xylenes
Concen: 40.631 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:106 Resp: 109170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.8 | 170.2 | 255.2 |



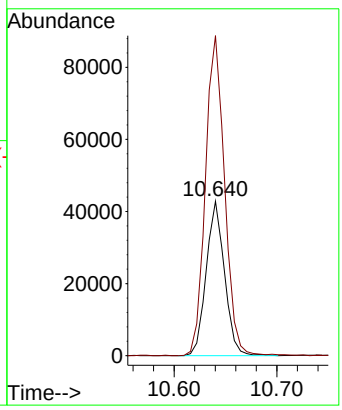


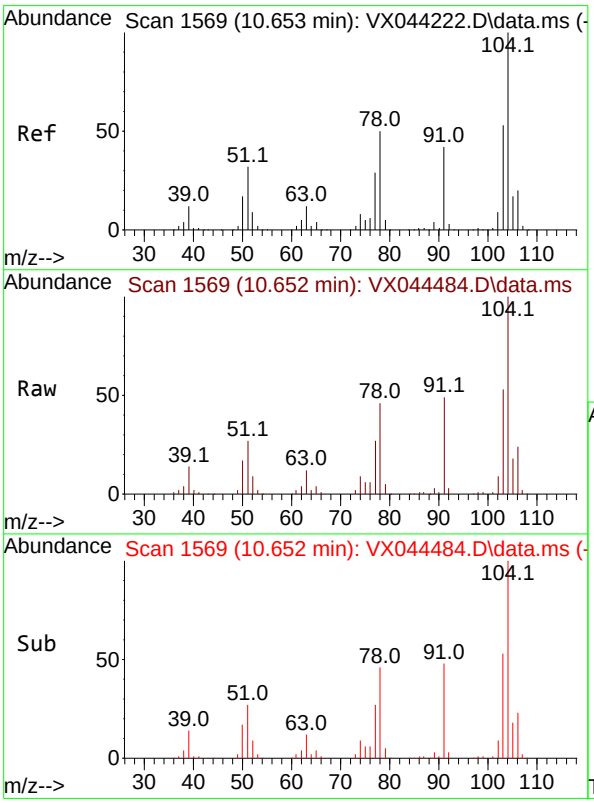

#69
o-Xylene
Concen: 19.517 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:106 Resp: 53058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.5 | 112.3 | 337.0 |

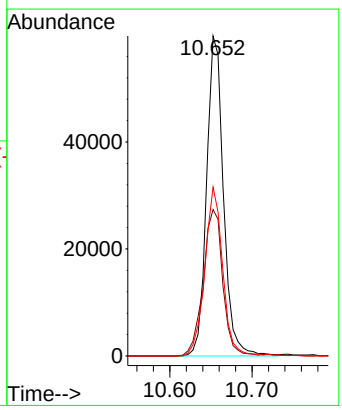


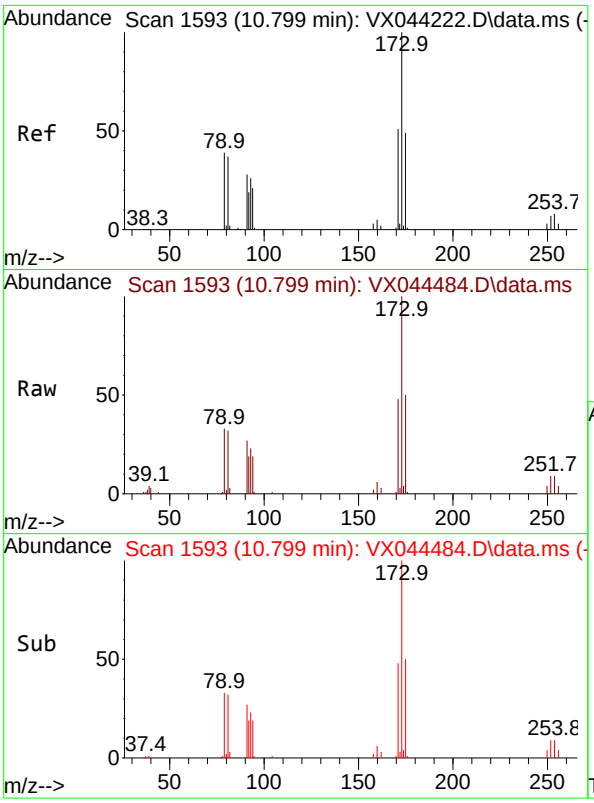




#70
Styrene
Concen: 19.580 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:104 Resp: 85331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.9 | 44.6 | 67.0 |
| 103 | 56.1 | 45.4 | 68.0 |



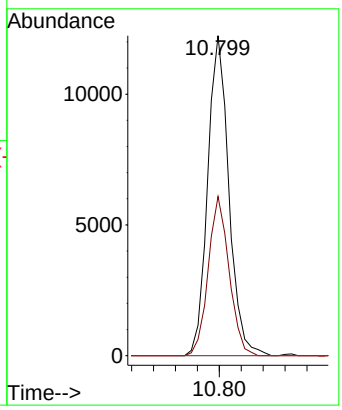


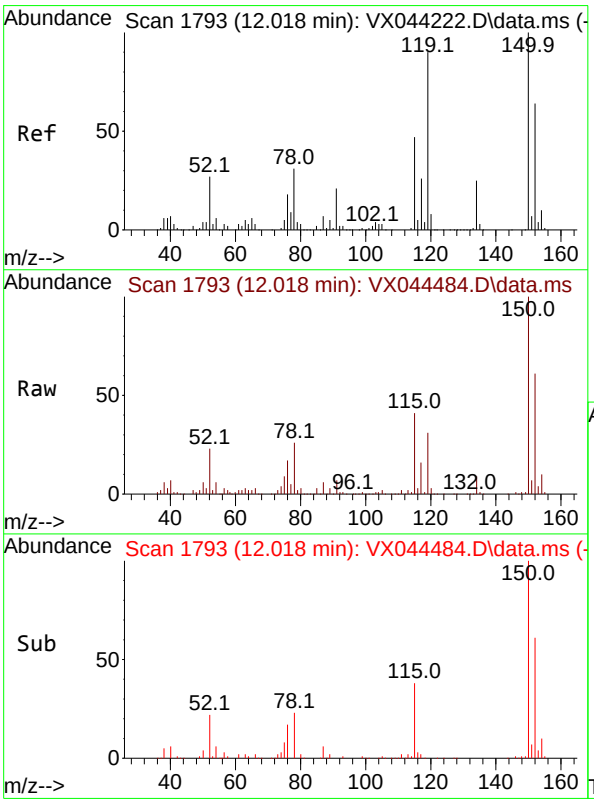

#71
Bromoform
Concen: 19.239 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:173 Resp: 16410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.0 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

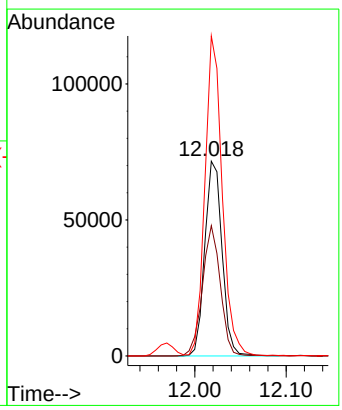


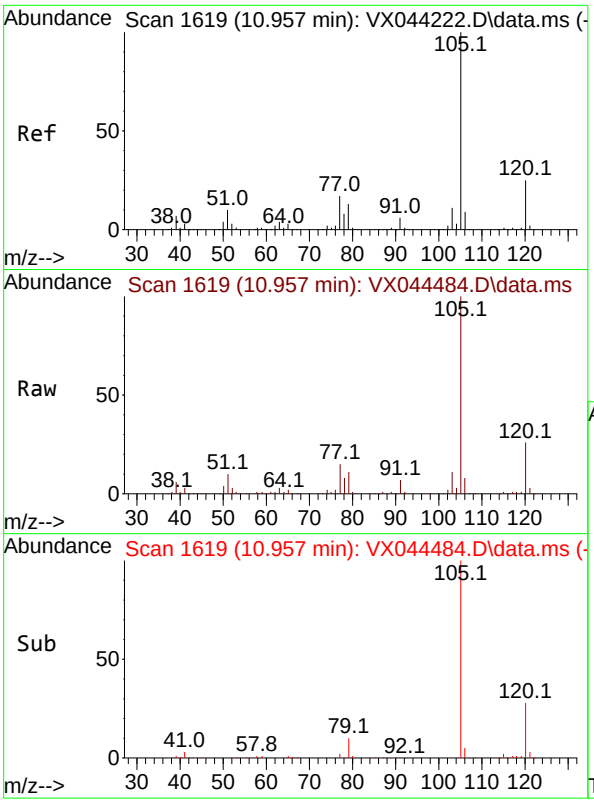




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:152 Resp: 93712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 69.6 | 44.5 | 133.3 |
| 150 | 163.6 | 0.0 | 353.8 |



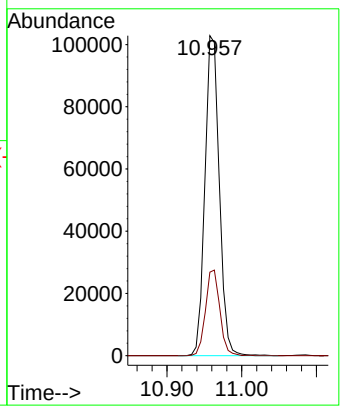


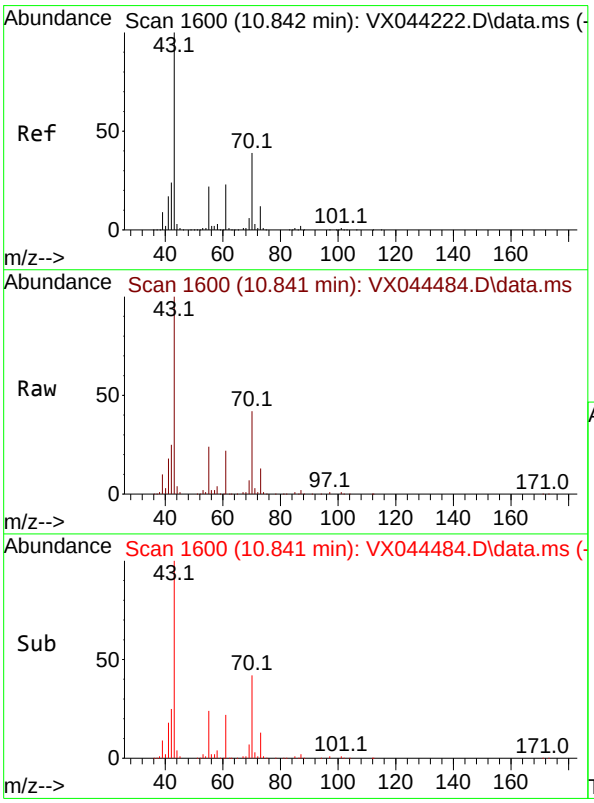

#73
Isopropylbenzene
Concen: 19.118 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:105 Resp: 137153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 13.1 | 39.3 |

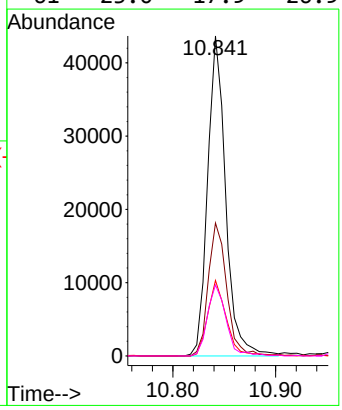


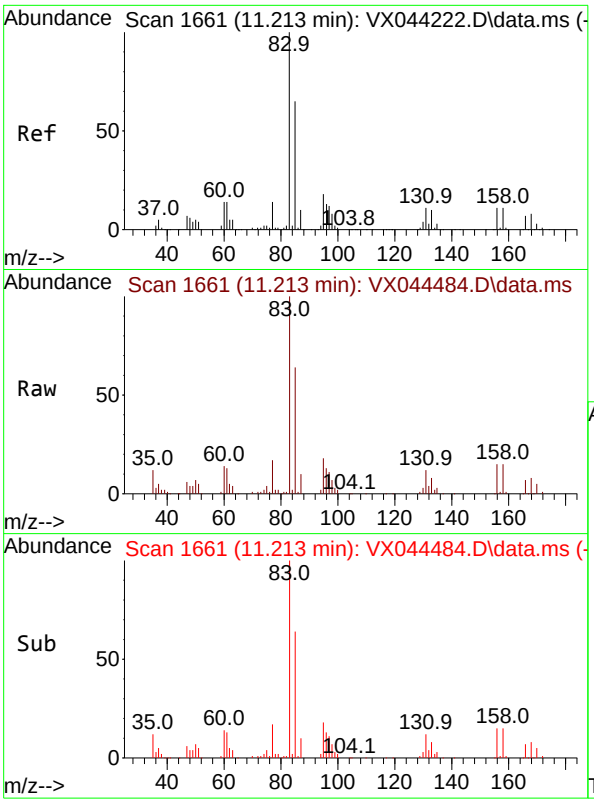




#74
N-amyl acetate
Concen: 16.102 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 43 Resp: 53387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.7 | 31.9 | 47.9 |
| 55 | 24.4 | 17.9 | 26.9 |
| 61 | 23.0 | 17.9 | 26.9 |



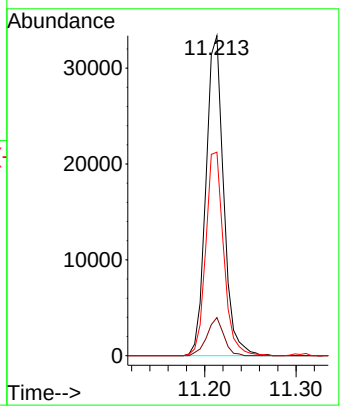


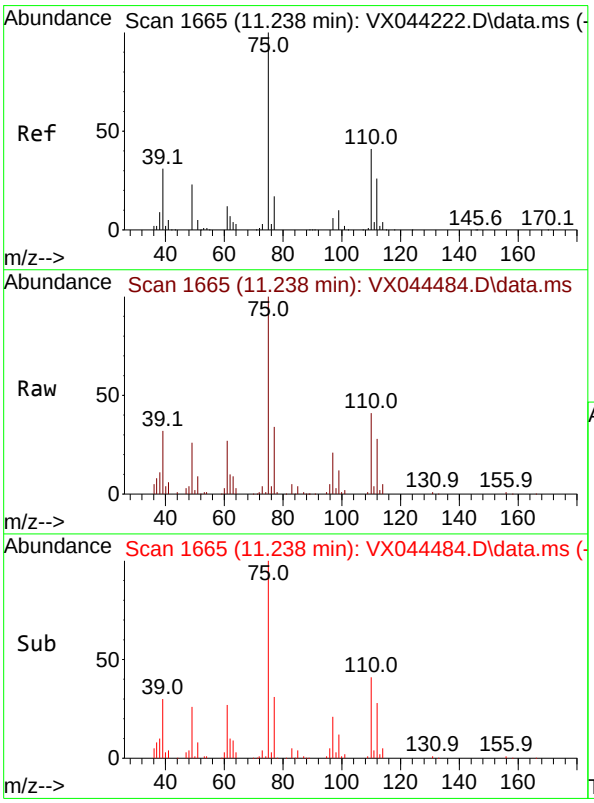

#75
1,1,2,2-Tetrachloroethane
Concen: 17.961 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 83 Resp: 44755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.3 | 5.1 | 15.4 |
| 85 | 64.5 | 32.5 | 97.4 |

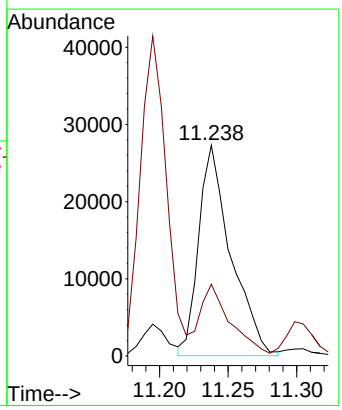


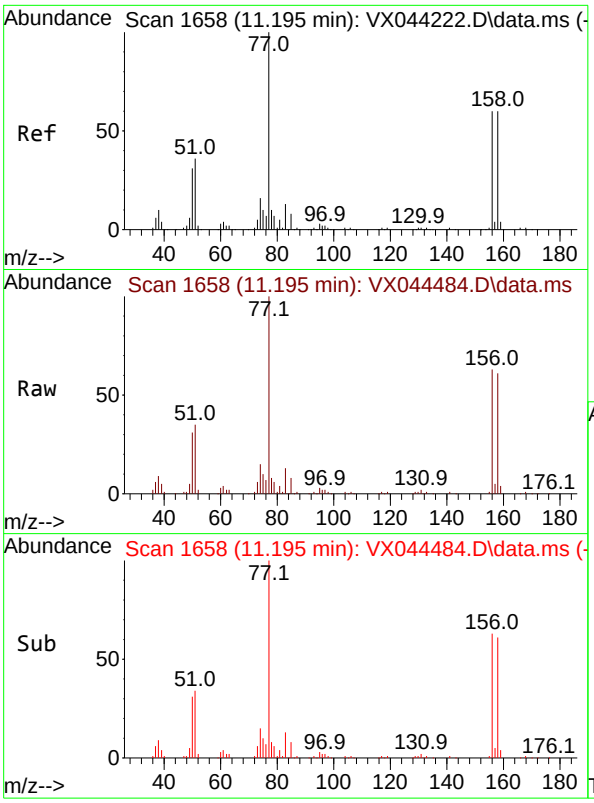




#76
1,2,3-Trichloropropane
Concen: 21.369 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 75 Resp: 44711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 20.9 | 62.7 |



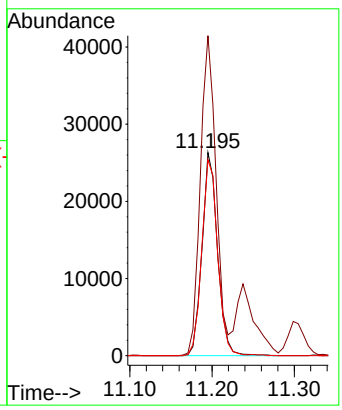


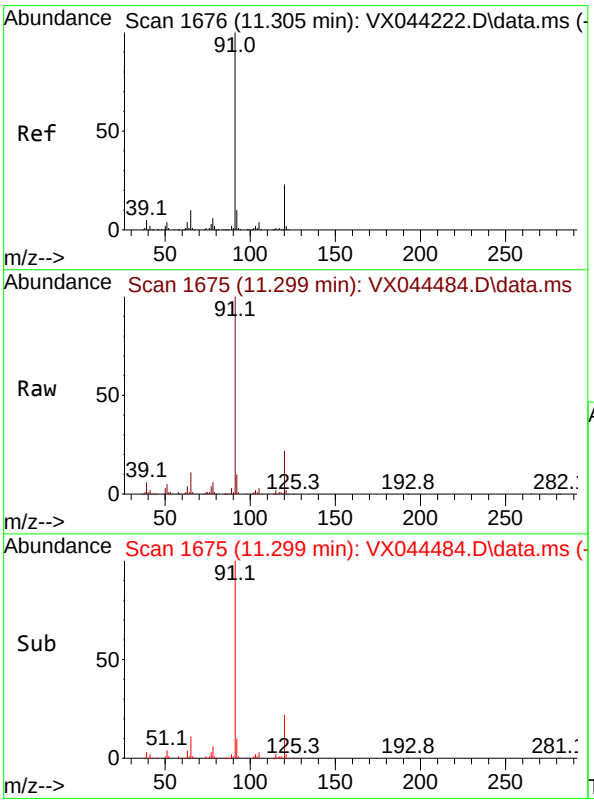

#77
Bromobenzene
Concen: 19.814 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:156 Resp: 34470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 160.0 | 82.6 | 247.8 |
| 158 | 98.8 | 48.8 | 146.4 |

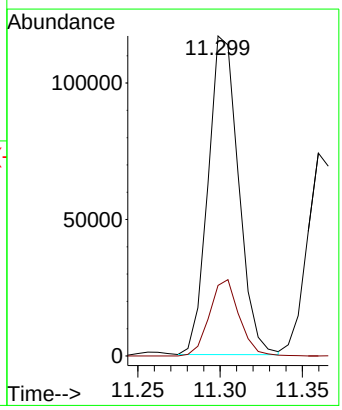


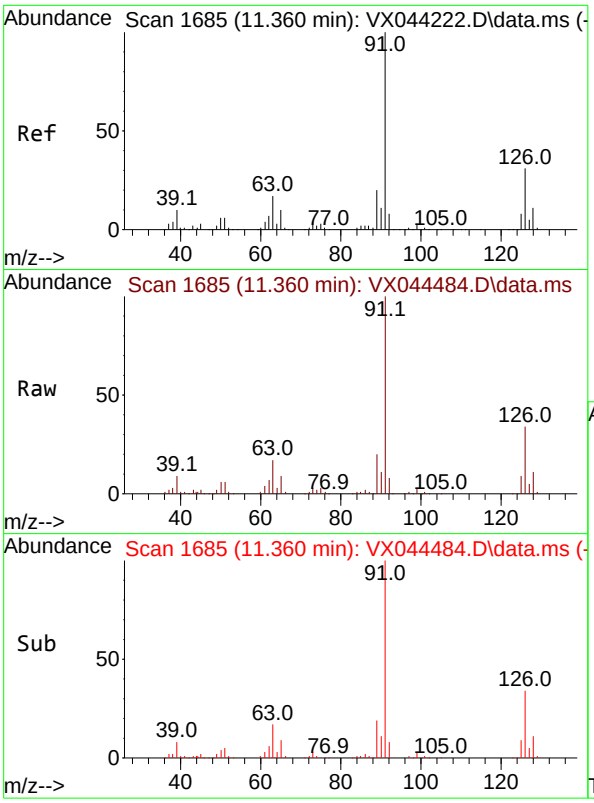




#78
n-propylbenzene
Concen: 18.943 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 91 Resp: 150204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.5 | 11.0 | 33.0 |



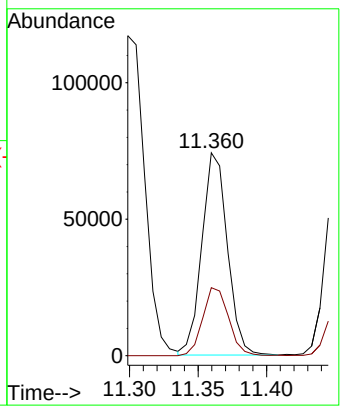


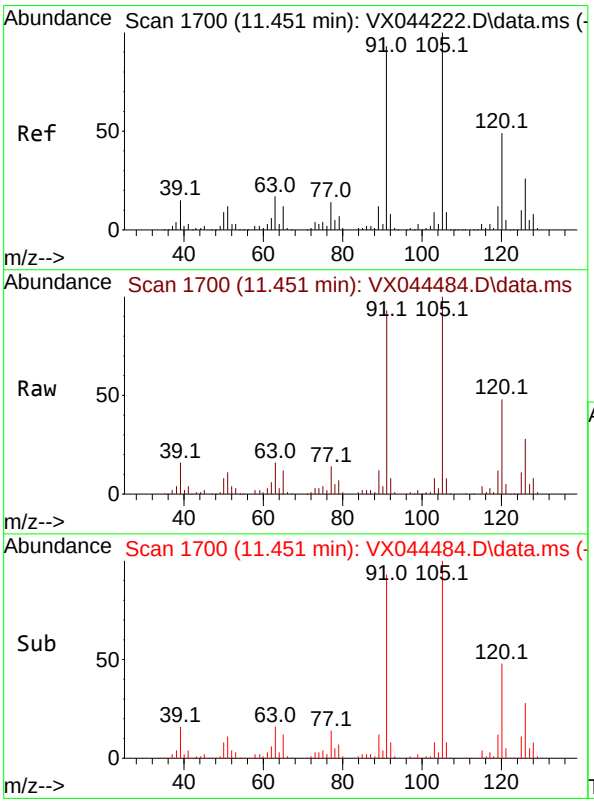

#79
2-Chlorotoluene
Concen: 18.721 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 91 Resp: 96001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.2 | 16.4 | 49.1 |

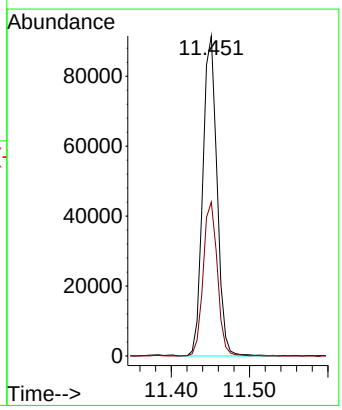


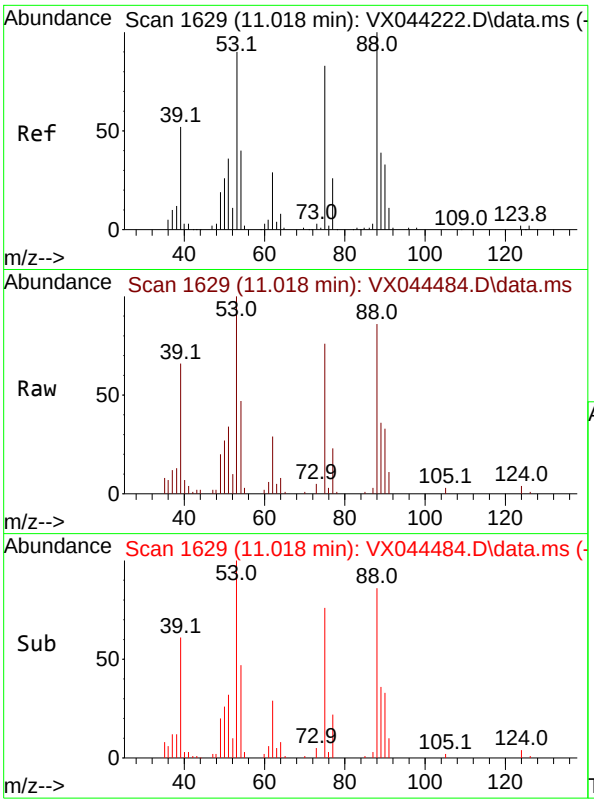




#80
1,3,5-Trimethylbenzene
Concen: 19.402 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:105 Resp: 115427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 23.8 | 71.4 |



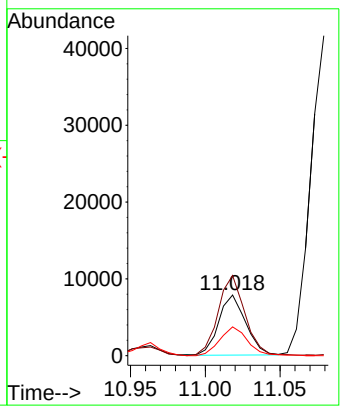


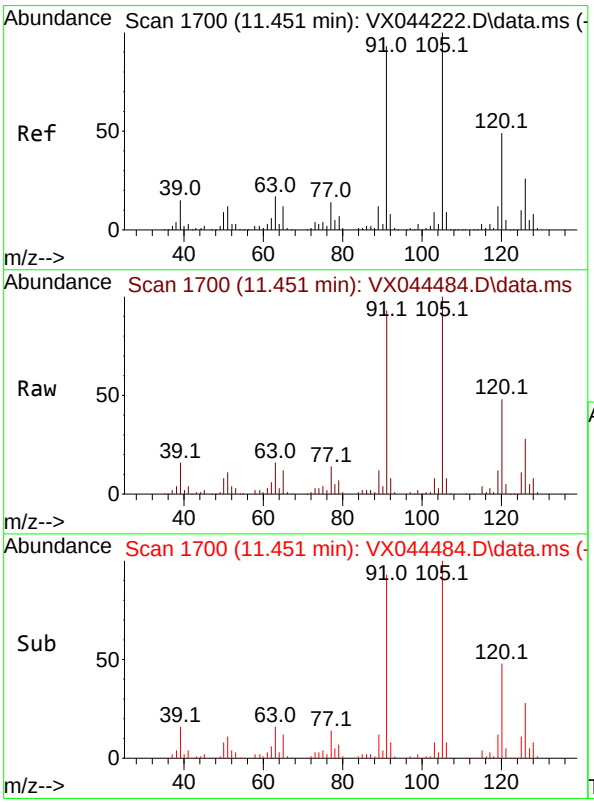

#81
trans-1,4-Dichloro-2-butene
Concen: 17.567 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 75 Resp: 9853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 133.0 | 93.6 | 140.4 |
| 89 | 49.2 | 37.3 | 55.9 |

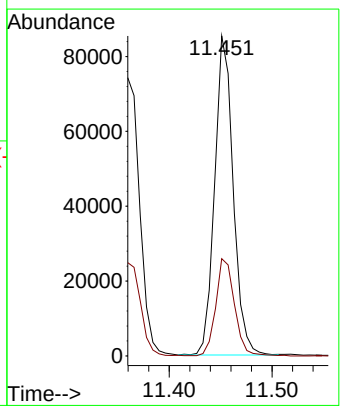


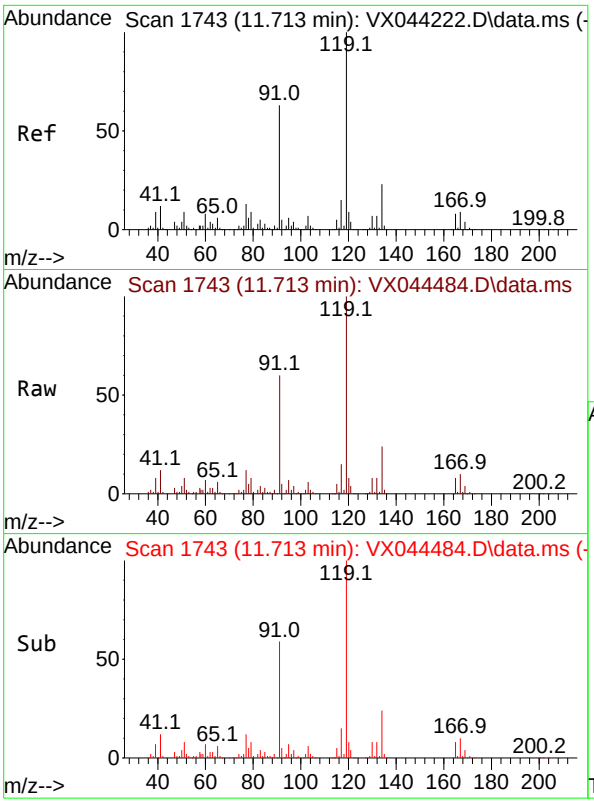




#82
4-Chlorotoluene
Concen: 18.769 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 91 Resp: 106582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.9 | 14.5 | 43.5 |



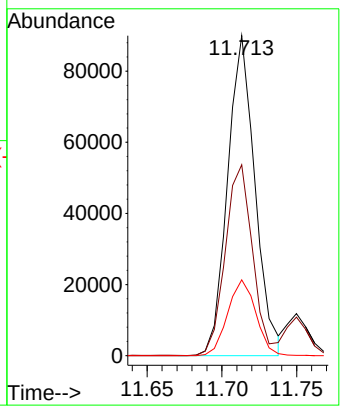


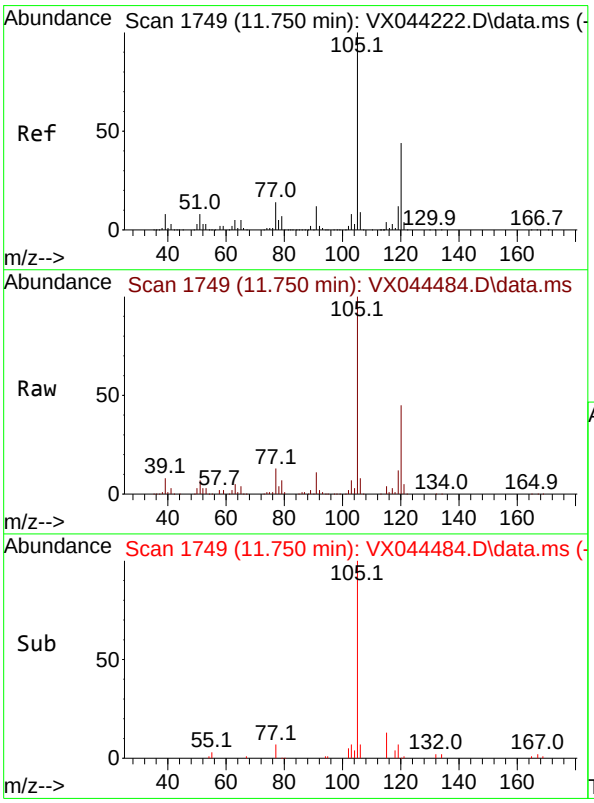

#83
tert-Butylbenzene
Concen: 19.509 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:119 Resp: 114705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.8 | 30.9 | 92.5 |
| 134 | 24.4 | 11.5 | 34.4 |

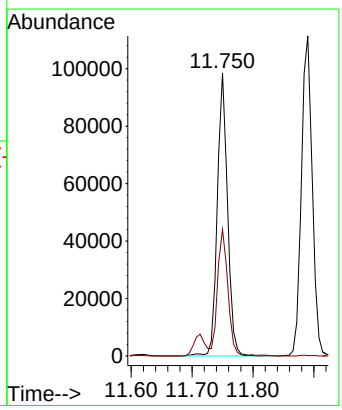


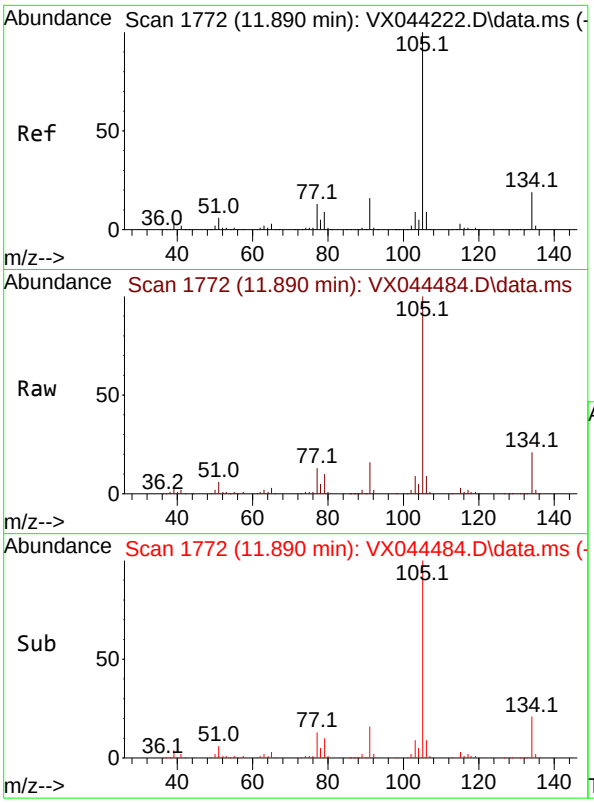




#84
1,2,4-Trimethylbenzene
Concen: 19.684 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:105 Resp: 115005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 21.7 | 65.1 |



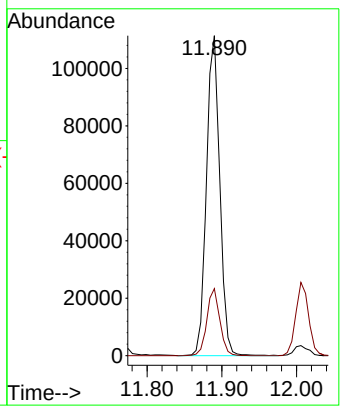


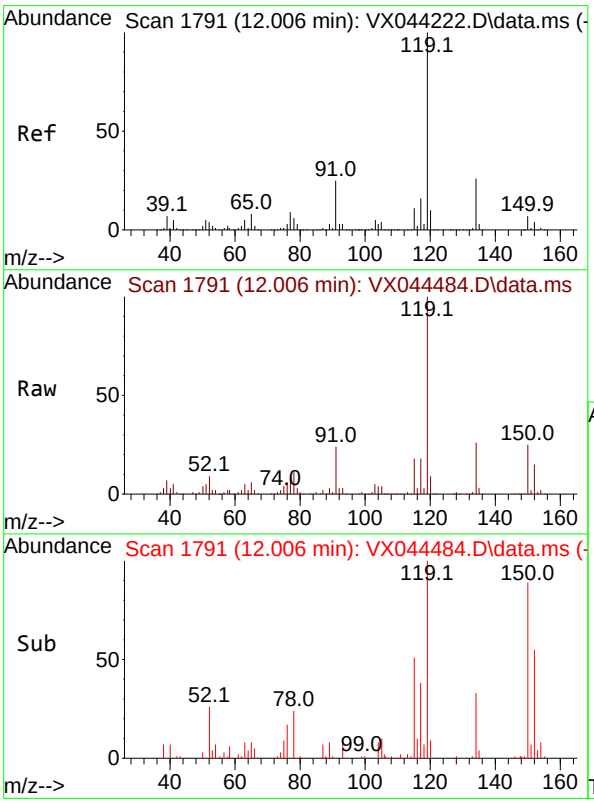

#85
sec-Butylbenzene
Concen: 19.303 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:105 Resp: 137779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 9.8 | 29.4 |

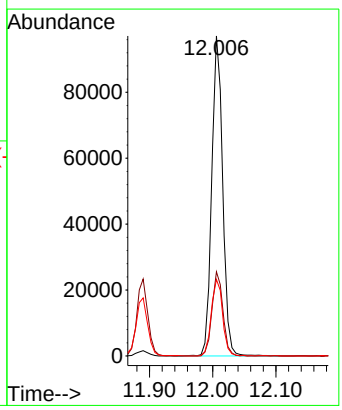


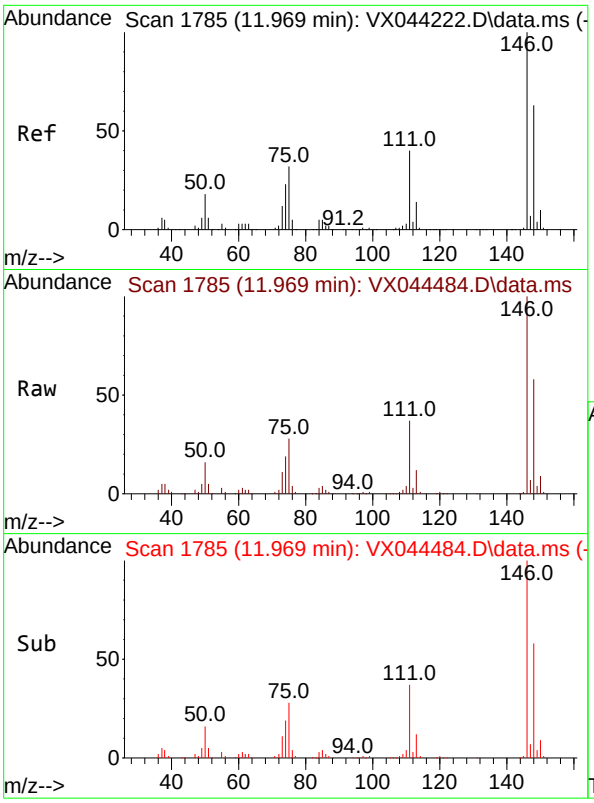




#86
p-Isopropyltoluene
Concen: 19.696 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:119 Resp: 117010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |



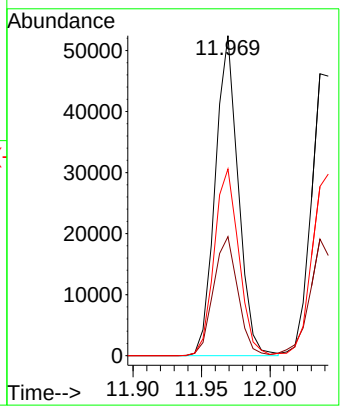


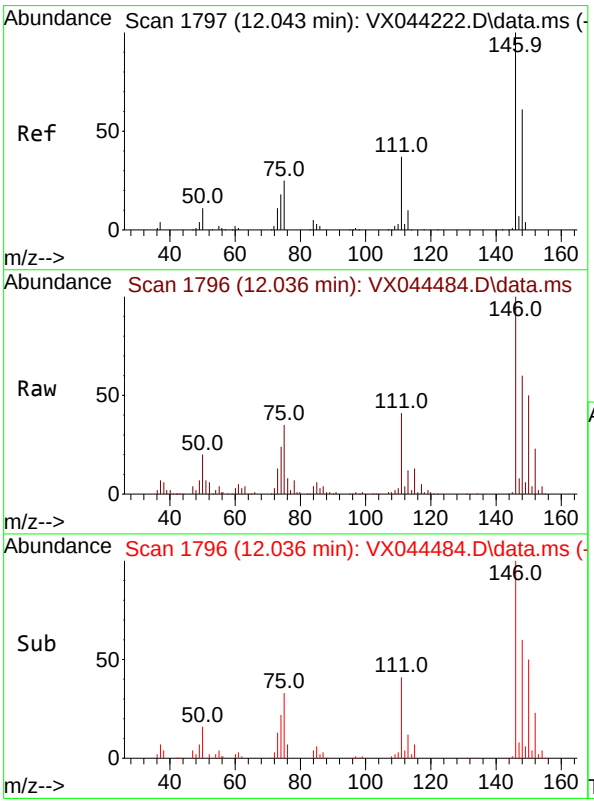

#87
1,3-Dichlorobenzene
Concen: 20.152 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:146 Resp: 61238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.6 | 21.4 | 64.2 |
| 148 | 62.4 | 31.7 | 95.1 |

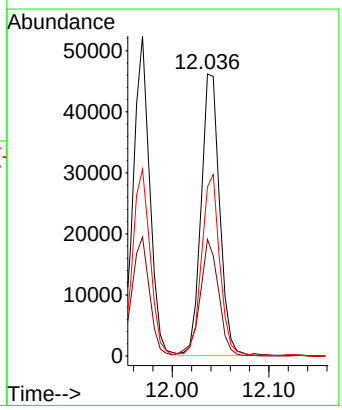


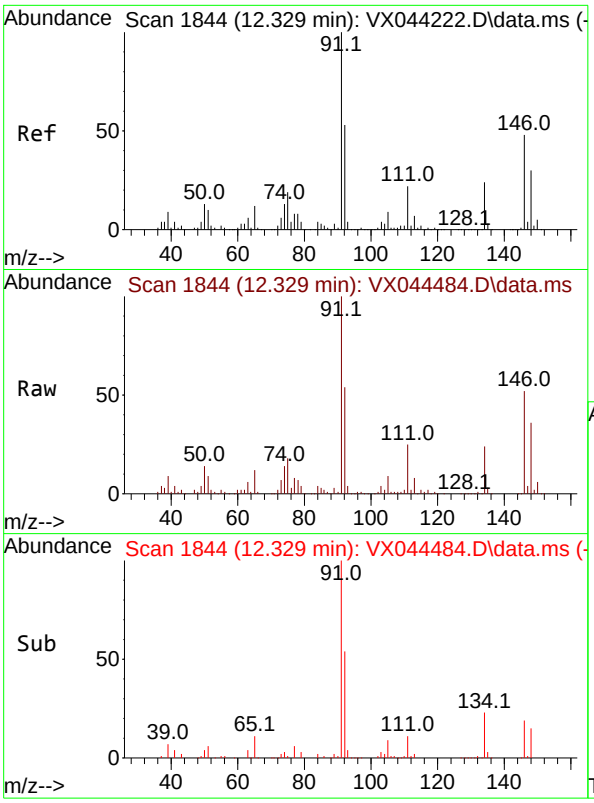




#88
1,4-Dichlorobenzene
Concen: 19.723 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:146 Resp: 61611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.0 | 63.0 |
| 148 | 63.4 | 32.3 | 96.8 |



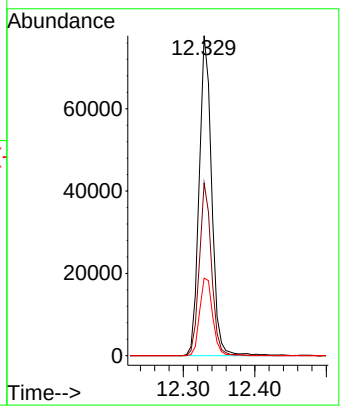


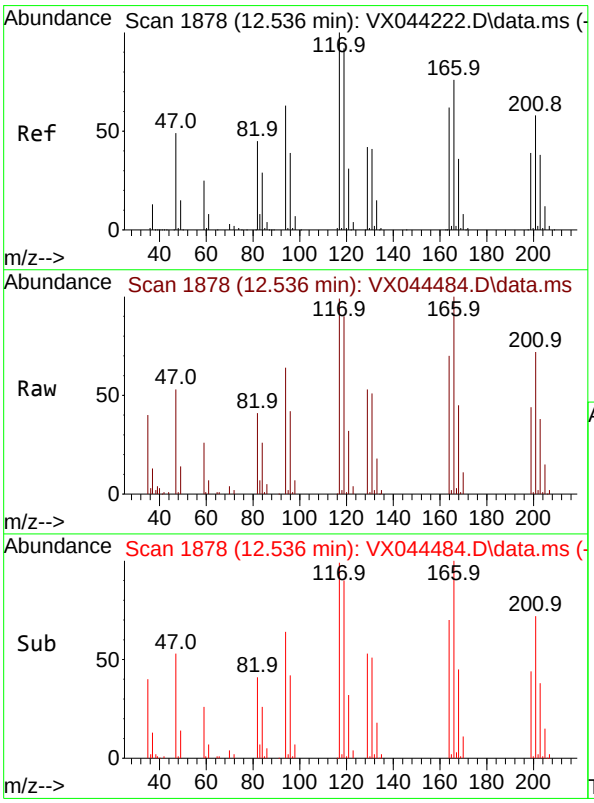

#89
n-Butylbenzene
Concen: 18.892 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 91 Resp: 94376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 26.6 | 79.7 |
| 134 | 25.2 | 12.6 | 37.8 |

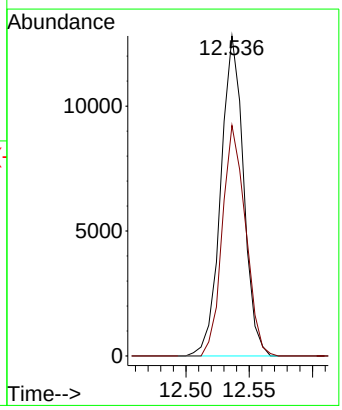


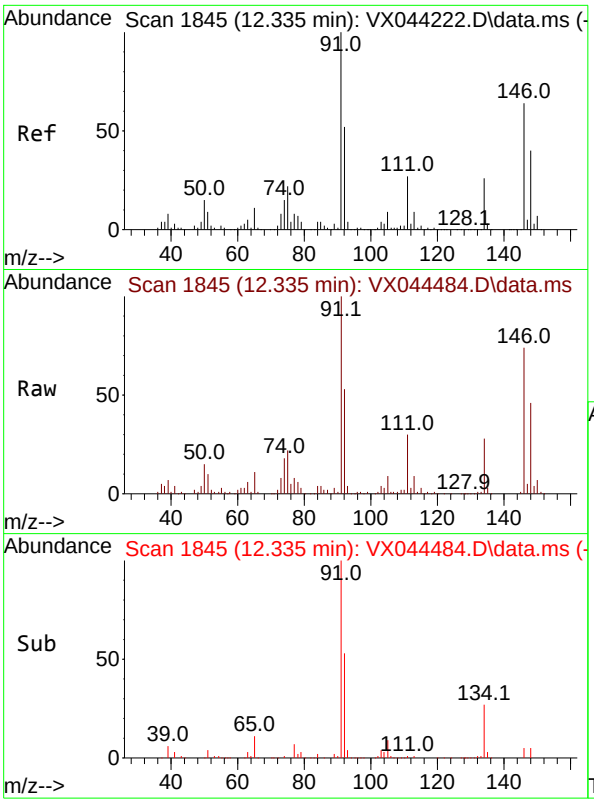




#90
Hexachloroethane
Concen: 18.440 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:117 Resp: 15991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 73.5 | 31.4 | 94.2 |



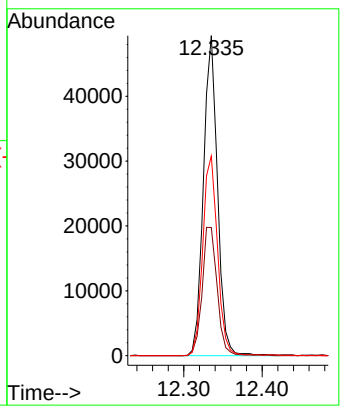


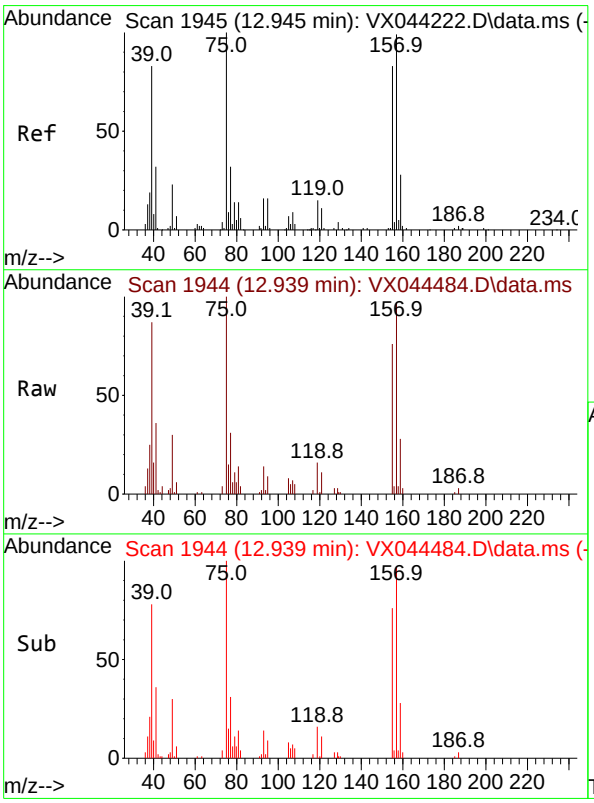

#91
1,2-Dichlorobenzene
Concen: 19.510 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:146 Resp: 61558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.4 | 64.3 |
| 148 | 65.4 | 31.6 | 95.0 |

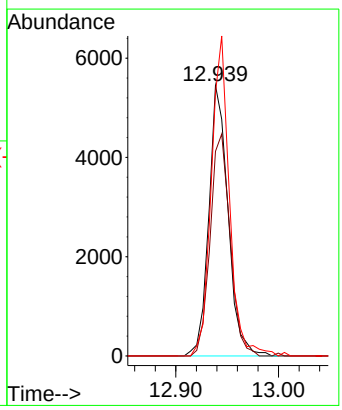


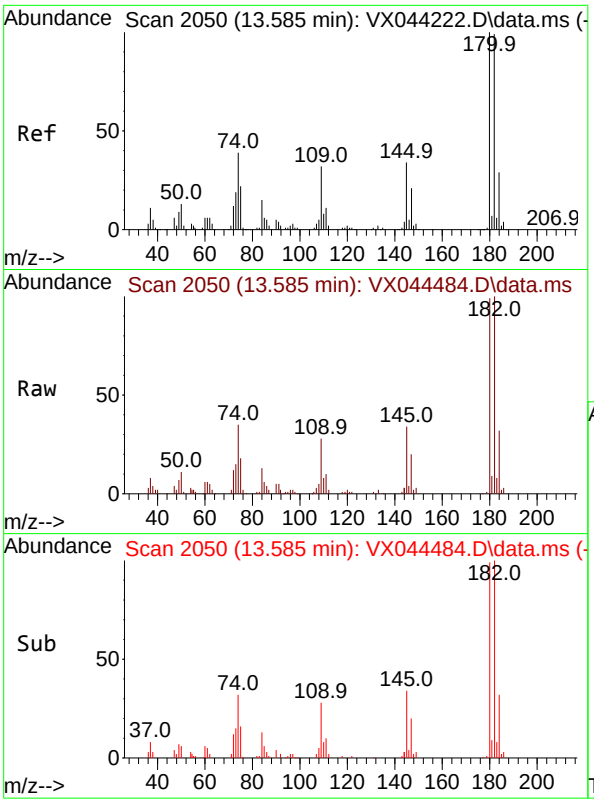




#92
1,2-Dibromo-3-Chloropropane
Concen: 14.697 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion: 75 Resp: 7109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.7 | 38.1 | 114.3 |
| 157 | 111.6 | 47.2 | 141.6 |



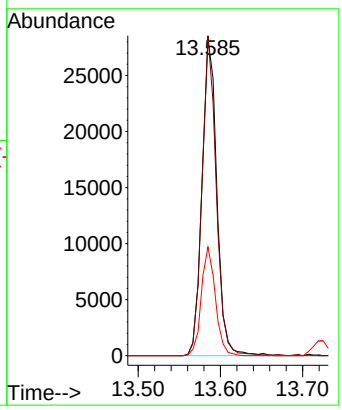


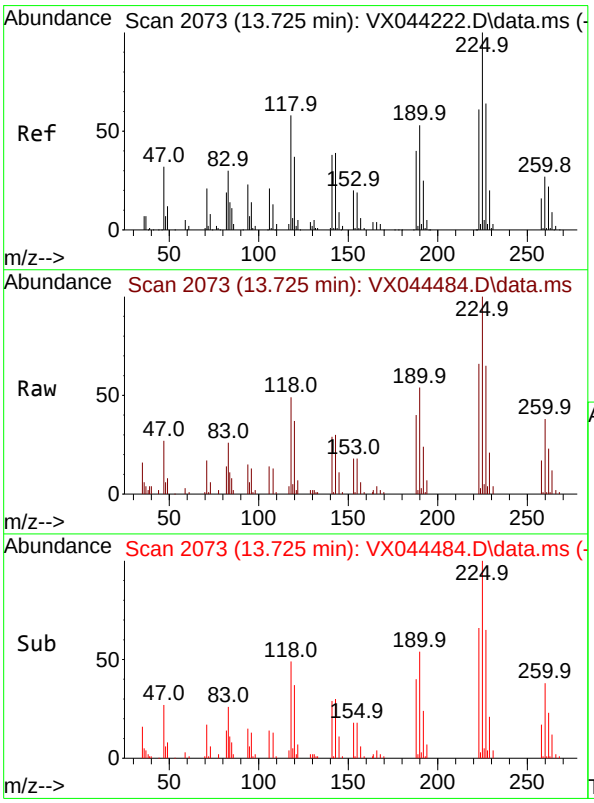

#93
1,2,4-Trichlorobenzene
Concen: 20.453 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:180 Resp: 35380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 48.0 | 144.2 |
| 145 | 32.5 | 16.6 | 49.7 |

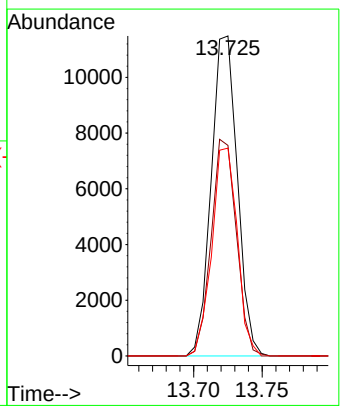


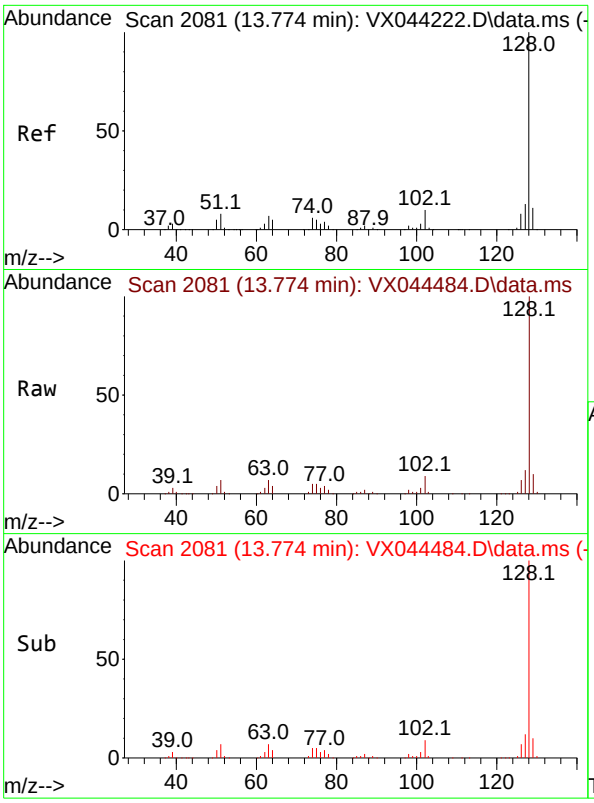




#94
Hexachlorobutadiene
Concen: 21.877 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:225 Resp: 15222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.4 | 30.8 | 92.4 |
| 227 | 63.3 | 32.1 | 96.3 |



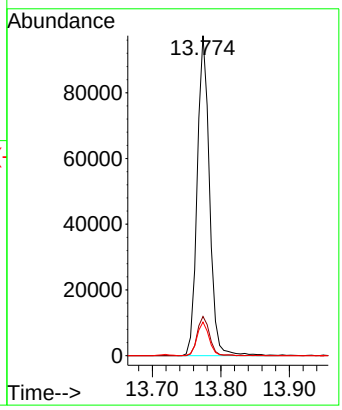


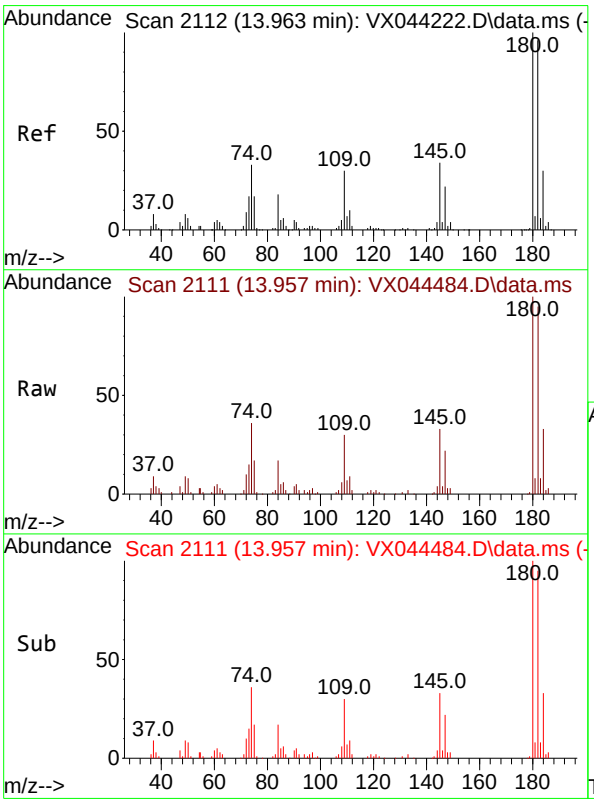

#95
Naphthalene
Concen: 18.005 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:128 Resp: 121575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.2 | 10.5 | 15.7 |
| 129 | 10.3 | 9.0 | 13.4 |

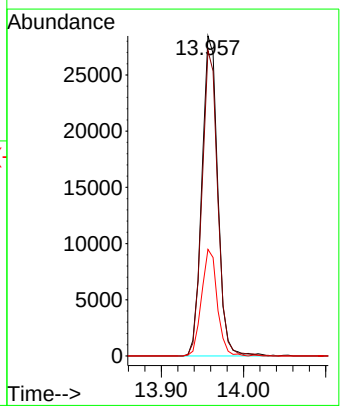



#96
1,2,3-Trichlorobenzene
Concen: 20.704 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044484.D
Acq: 23 Dec 2024 16:46

Tgt Ion:180 Resp: 37987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 48.0 | 144.0 |
| 145 | 33.0 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044485.D
Acq On : 23 Dec 2024 17:09
Operator : JC/MD
Sample : P5317-21 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Dec 23 22:13:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 144075 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 249365 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 221444 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 102248 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 104514 | 41.374 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 82.740% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 82534 | 47.788 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.580% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 310298 | 53.255 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 106.500% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 102247 | 50.220 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.440% | | | |
| Target Compounds | | | | | | Qvalue |
| 5) Bromomethane | 1.593 | 94 | 643 | 0.408 | ug/l # | 72 |
| 6) Chloroethane | 1.678 | 64 | 307 | 0.222 | ug/l # | 41 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 1168 | 0.664 | ug/l # | 87 |
| 11) Tert butyl alcohol | 2.940 | 59 | 5236 | 14.707 | ug/l # | 71 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 625 | 0.387 | ug/l # | 84 |
| 13) Acrolein | 2.245 | 56 | 132 | 0.256 | ug/l # | 36 |
| 14) Allyl chloride | 2.660 | 41 | 736 | 0.274 | ug/l # | 68 |
| 15) Acrylonitrile | 3.081 | 53 | 242 | 0.245 | ug/l # | 65 |
| 16) Acetone | 2.392 | 43 | 547 | 0.531 | ug/l # | 81 |
| 17) Carbon Disulfide | 2.501 | 76 | 1291 | 0.421 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 412 | 0.240 | ug/l # | 51 |
| 31) Cyclohexane | 5.537 | 56 | 3577 | 1.312 | ug/l # | 33 |
| 36) 1,1-Dichloropropene | 5.544 | 75 | 11902 | 5.331 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 5.544 | 117 | 14934 | 6.213 | ug/l # | 17 |
| 44) Trichloroethene | 7.123 | 130 | 67143 | 39.722 | ug/l | 92 |
| 49) 1,4-Dioxane | 7.683 | 88 | 20 | 0.576 | ug/l # | 32 |
| 53) t-1,3-Dichloropropene | 9.006 | 75 | 170 | 1.066 | ug/l # | 41 |
| 60) Dibromochloromethane | 9.525 | 129 | 19 | 1.242 | ug/l # | 1 |
| 64) Tetrachloroethene | 9.268 | 164 | 428 | 0.291 | ug/l # | 76 |
| 68) m/p-Xylenes | 10.311 | 106 | 702 | 0.233 | ug/l | 89 |
| 71) Bromoform | 10.805 | 173 | 97 | 1.329 | ug/l # | 29 |
| 76) 1,2,3-Trichloropropane | 11.079 | 75 | 56229 | 24.630 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75 | 56229 | 68.281 | ug/l # | 4 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 795 | 0.240 | ug/l | 92 |
| 88) 1,4-Dichlorobenzene | 11.969 | 146 | 795 | 0.233 | ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.597 | 180 | 560 | 0.297 | ug/l | 92 |
| 95) Naphthalene | 13.780 | 128 | 2946 | 0.400 | ug/l | 95 |
| 96) 1,2,3-Trichlorobenzene | 13.969 | 180 | 720 | 0.360 | ug/l | 96 |

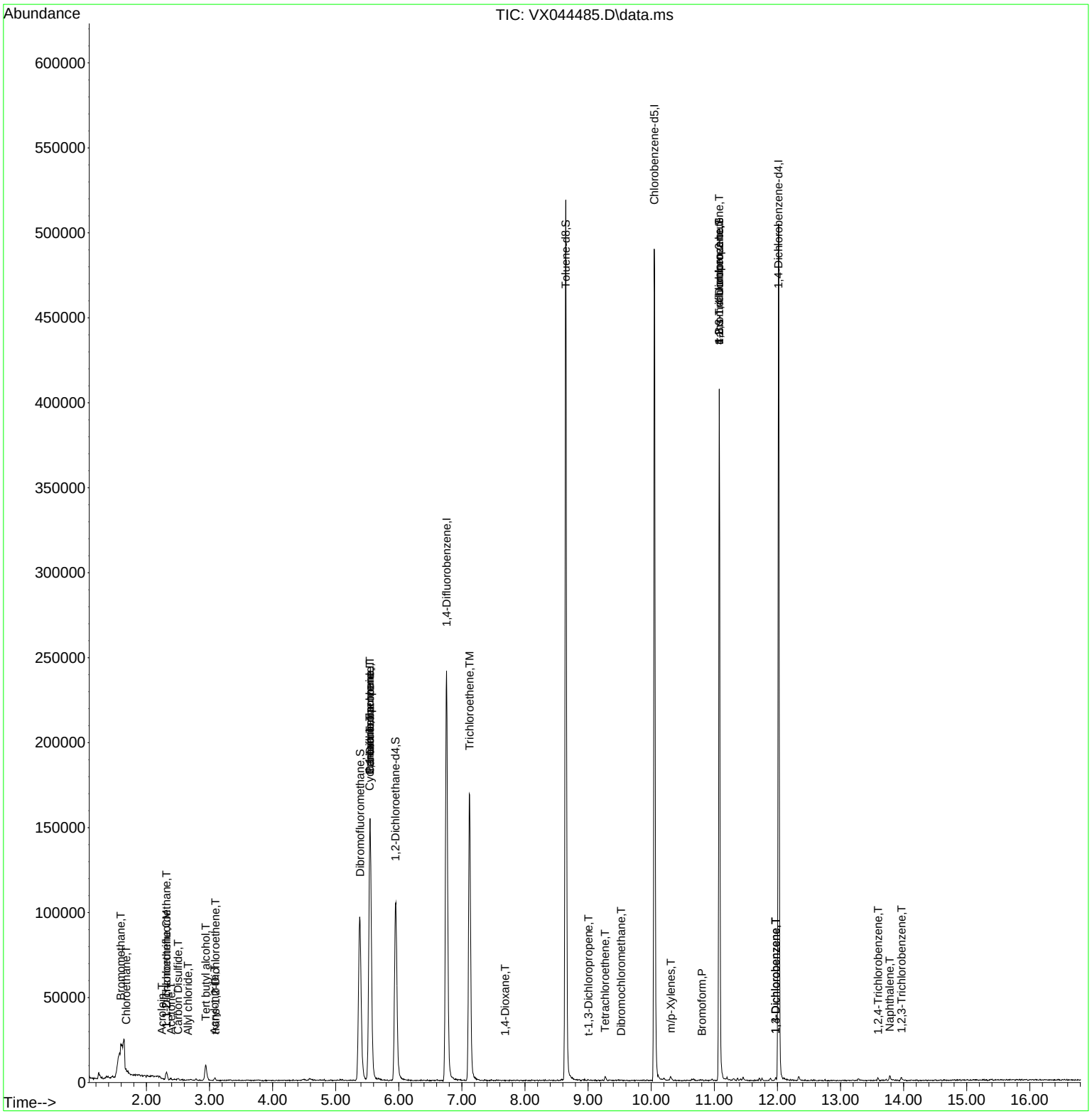
(#) = qualifier out of range (m) = manual integration (+) = signals summed

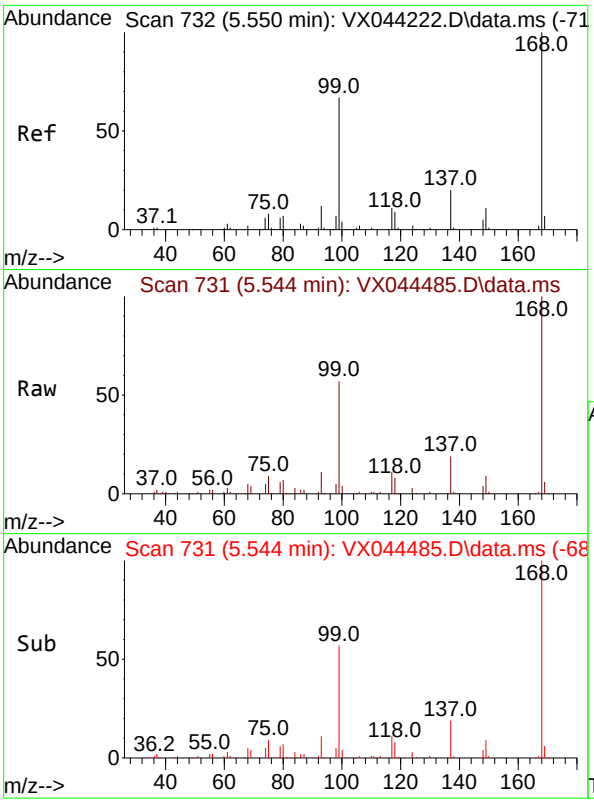
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044485.D
Acq On : 23 Dec 2024 17:09
Operator : JC/MD
Sample : P5317-21 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Dec 23 22:13:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



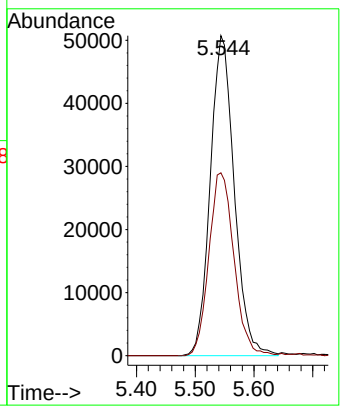


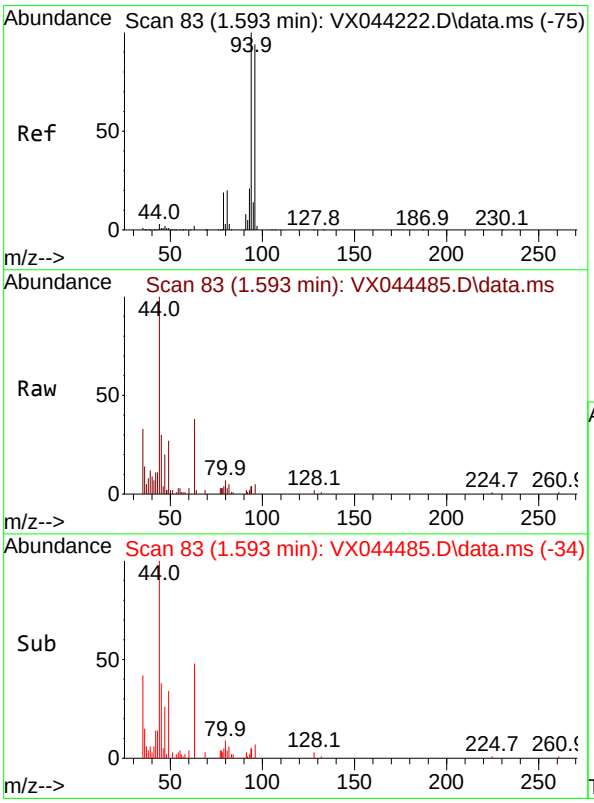

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:168 Resp: 144075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.1 | 53.4 | 80.0 |

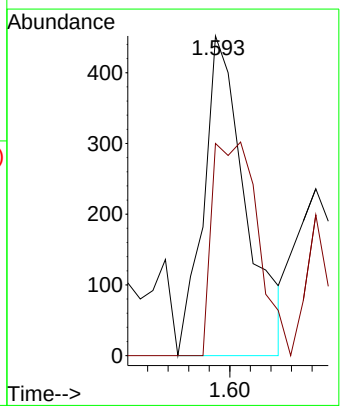


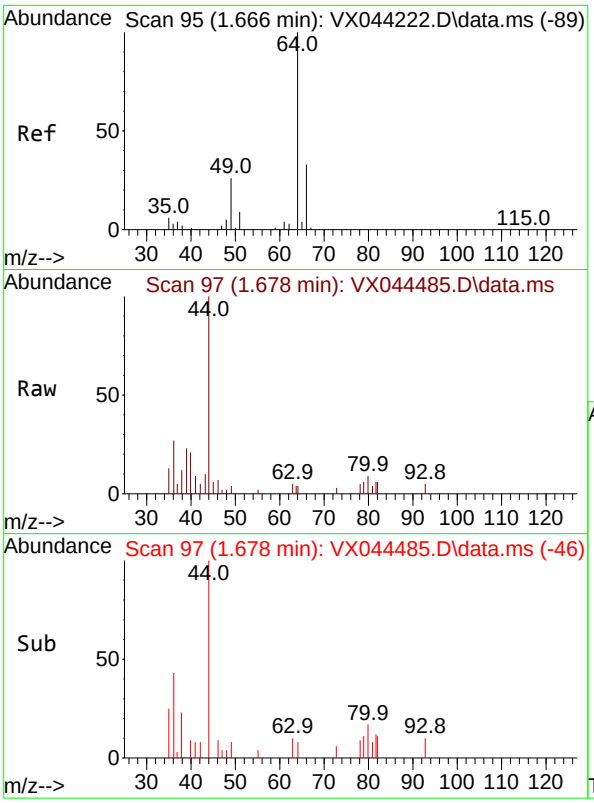




#5
Bromomethane
Concen: 0.408 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 94 Resp: 643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 66.4 | 74.9 | 112.3# |



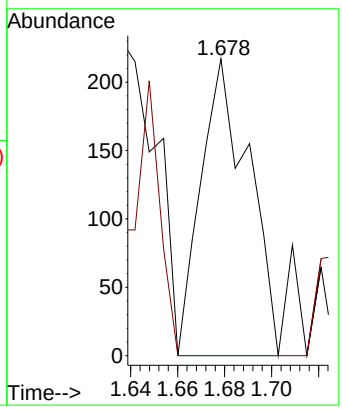


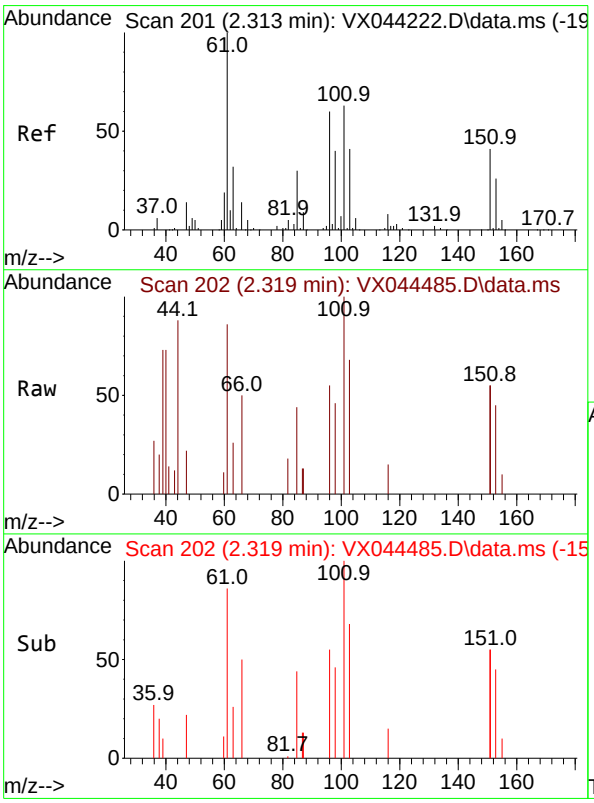

#6
Chloroethane
Concen: 0.222 ug/l
RT: 1.678 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 64 Resp: 307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 26.6 | 39.8# |

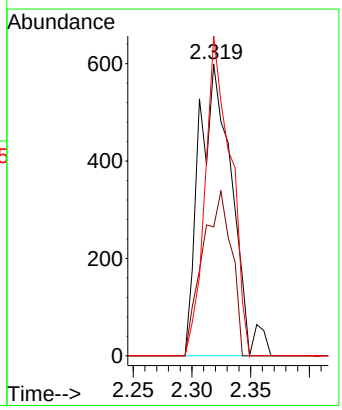


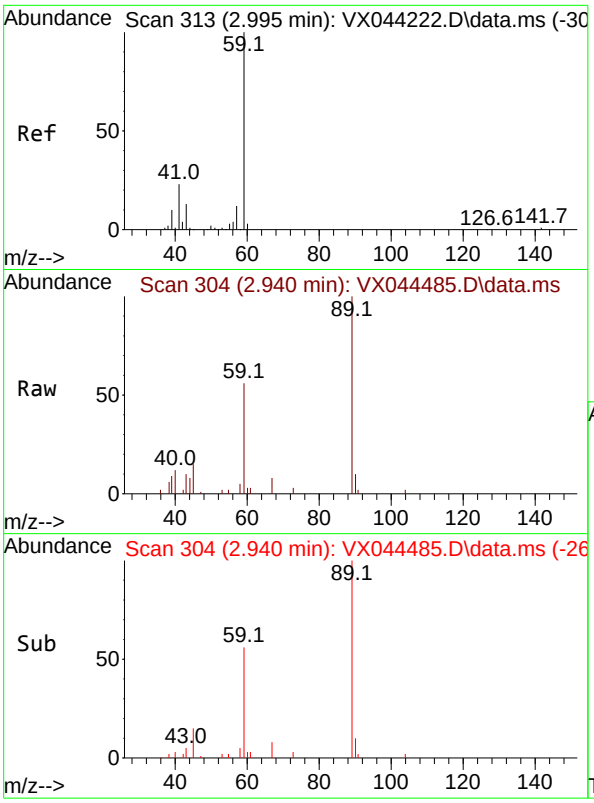




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.664 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:101 Resp: 1168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.7 | 38.5 | 57.7 |
| 151 | 85.7 | 55.8 | 83.6# |



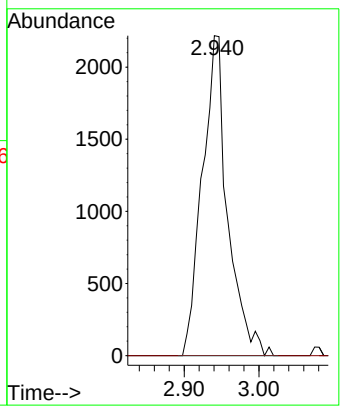


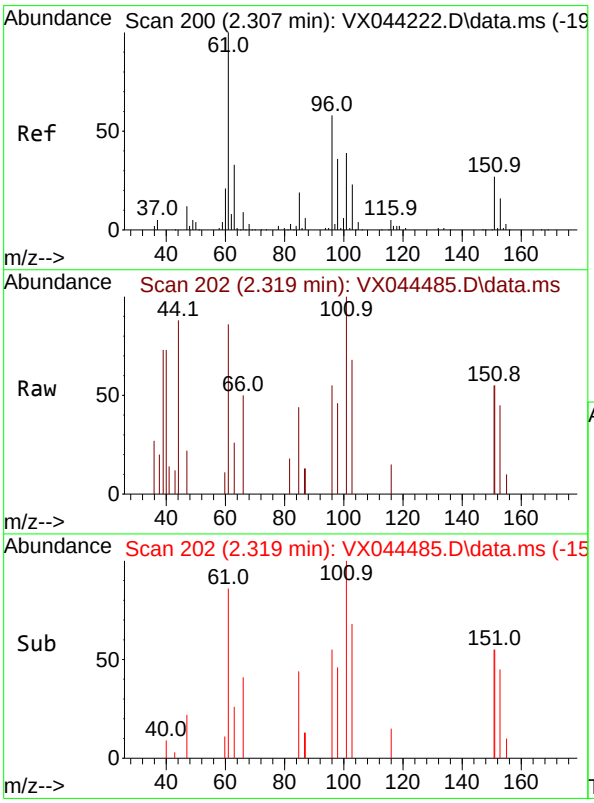

#11
Tert butyl alcohol
Concen: 14.707 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.055 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 59 Resp: 5236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |

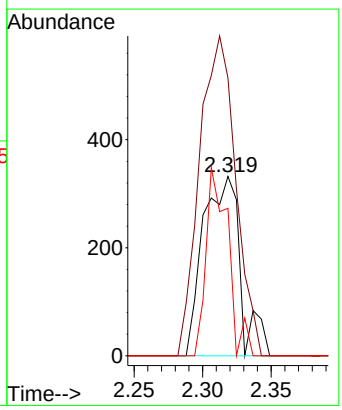


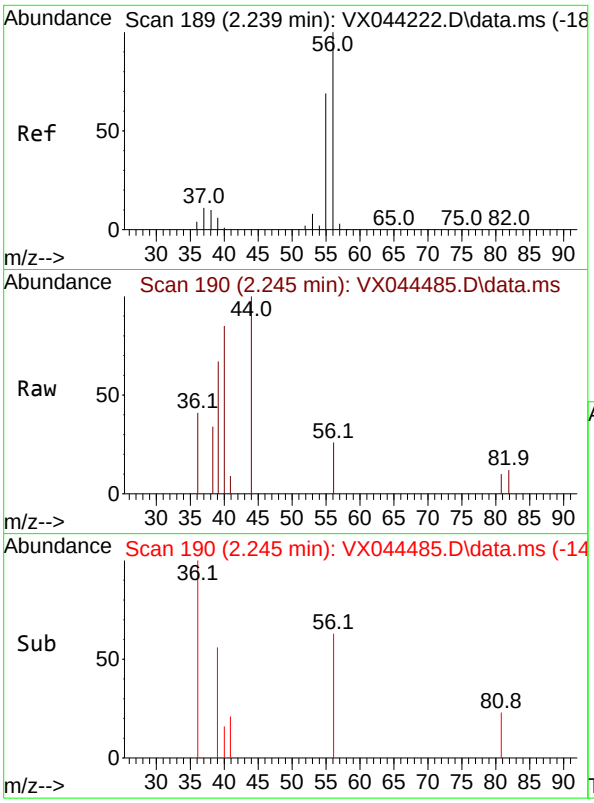




#12
1,1-Dichloroethene
Concen: 0.387 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.012 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 96 Resp: 625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.8 | 138.0 | 207.0 |
| 98 | 82.2 | 50.0 | 75.0# |



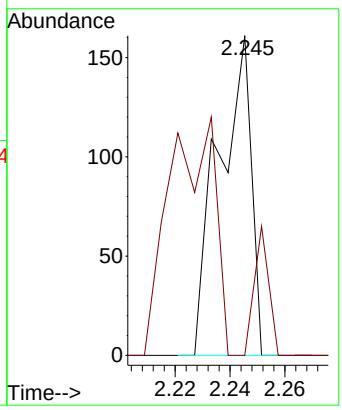


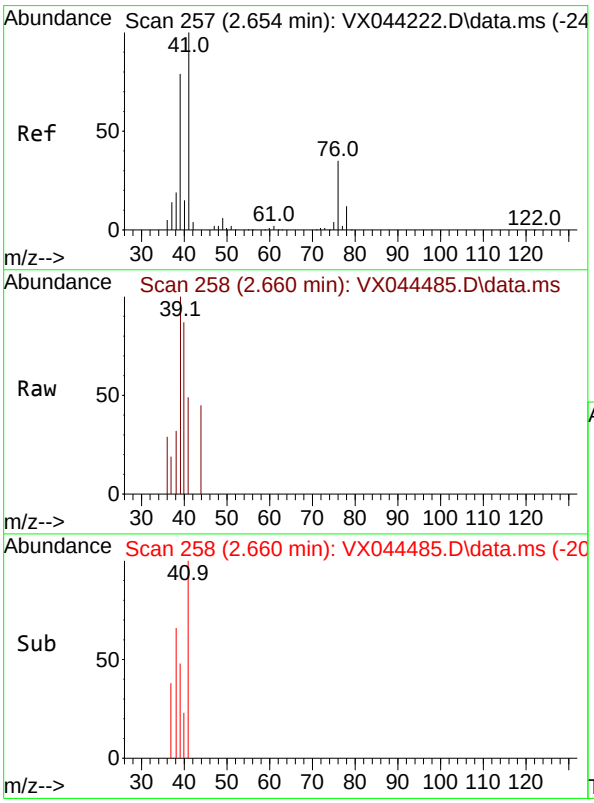

#13
Acrolein
Concen: 0.256 ug/l
RT: 2.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 56 Resp: 132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 18.2 | 56.6 | 84.8# |

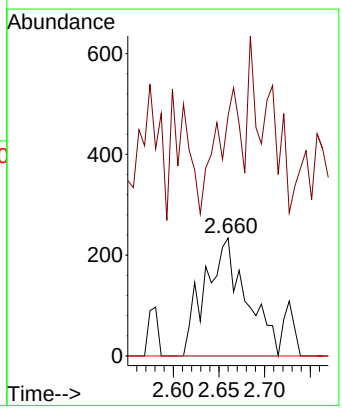


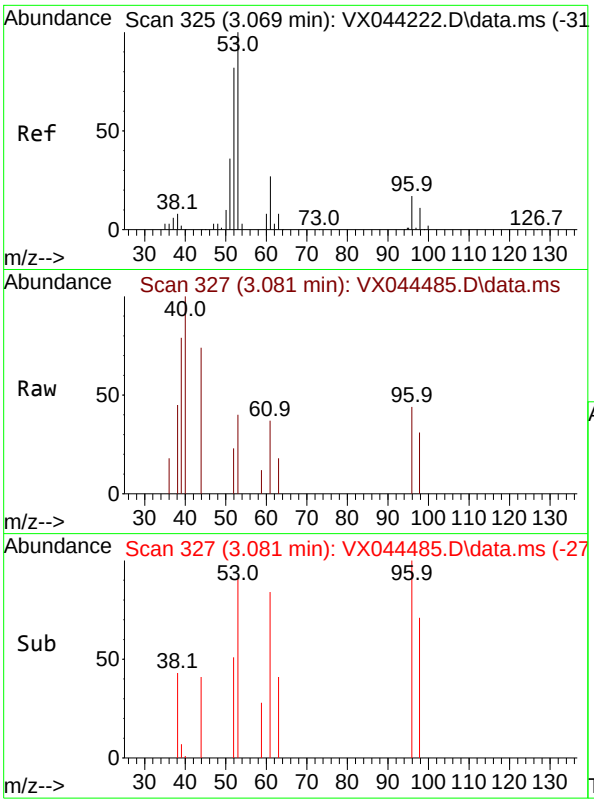




#14
Allyl chloride
Concen: 0.274 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 41 Resp: 736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.8 | 61.9 | 92.9# |
| 76 | 0.0 | 27.4 | 41.2# |



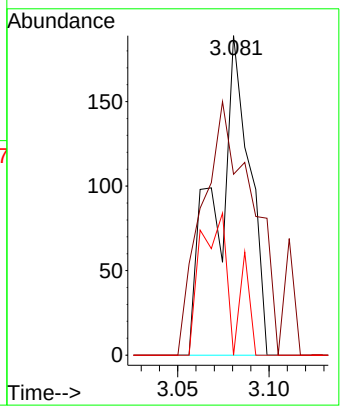


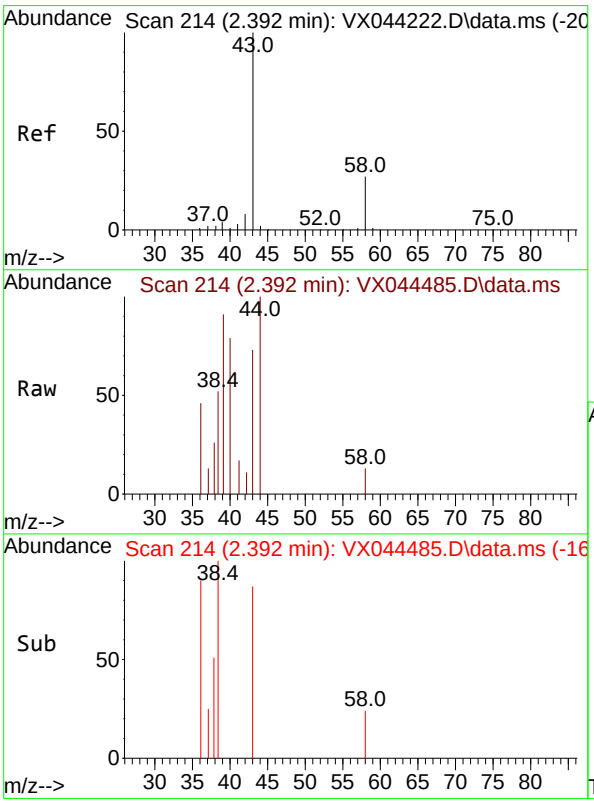

#15
Acrylonitrile
Concen: 0.245 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 53 Resp: 242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 127.7 | 67.4 | 101.0# |
| 51 | 42.6 | 30.3 | 45.5 |

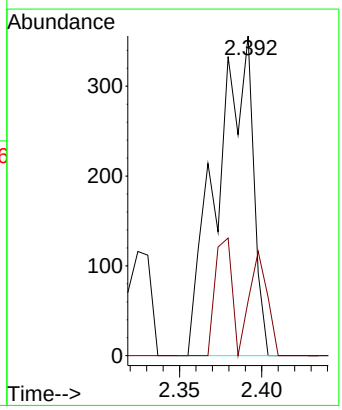


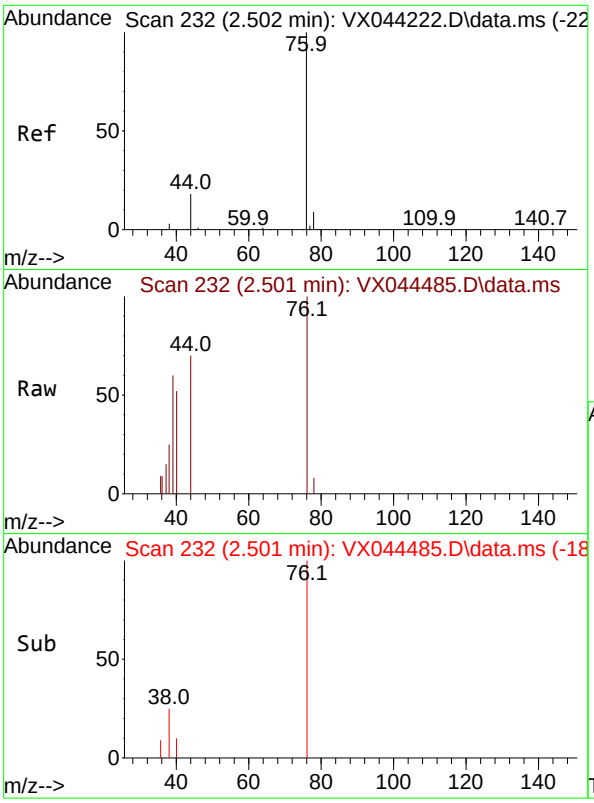




#16
Acetone
Concen: 0.531 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 43 Resp: 547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 17.1 | 21.6 | 32.4# |



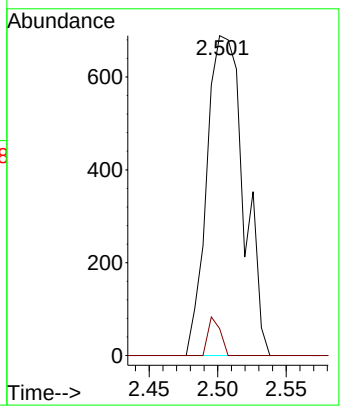


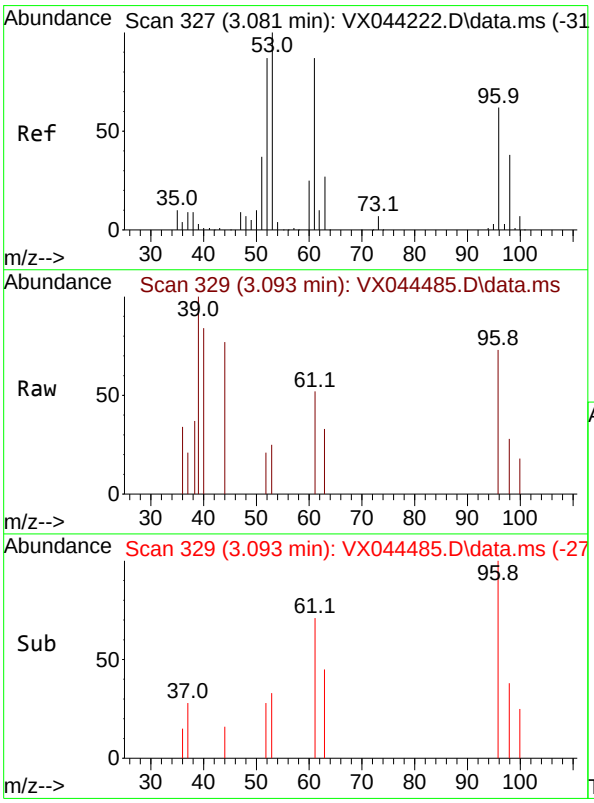

#17
Carbon Disulfide
Concen: 0.421 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 76 Resp: 1291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.4 | 11.0 |

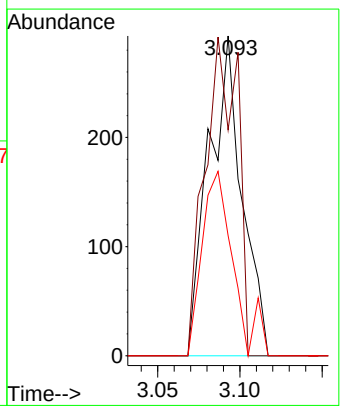


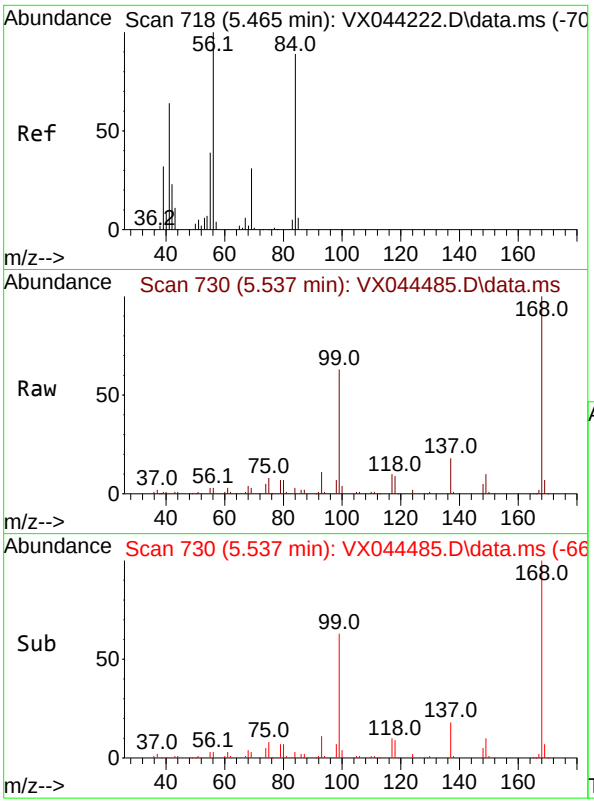




#21
trans-1,2-Dichloroethene
Concen: 0.240 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.012 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 96 Resp: 412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 70.6 | 112.0 | 168.0# |
| 98 | 37.5 | 48.8 | 73.2# |



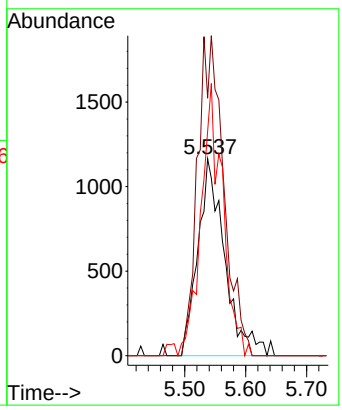


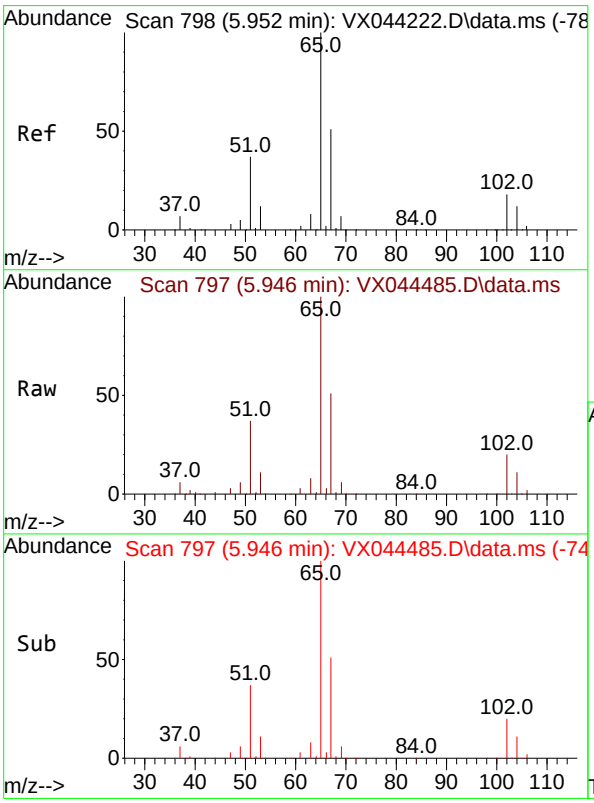

#31
Cyclohexane
Concen: 1.312 ug/l
RT: 5.537 min Scan# 7
Delta R.T. 0.073 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 56 Resp: 3577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 130.7 | 24.7 | 37.1# |
| 84 | 114.0 | 71.0 | 106.6# |

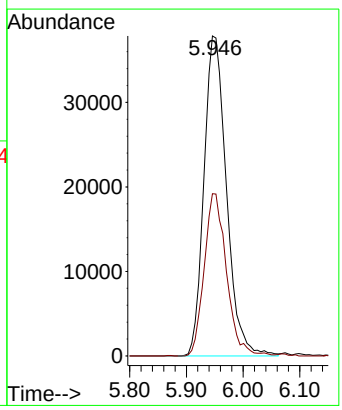


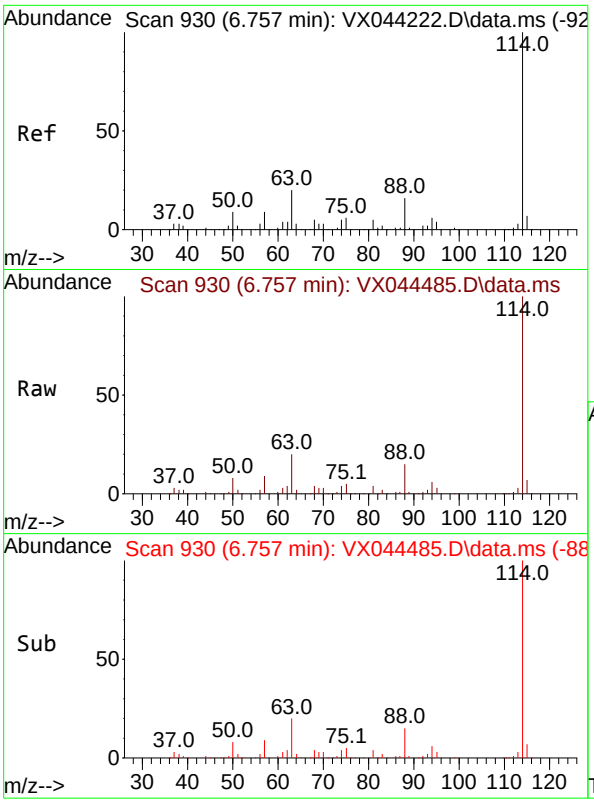




#33
1,2-Dichloroethane-d4
Concen: 41.374 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 65 Resp: 104514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.1 | 0.0 | 101.6 |



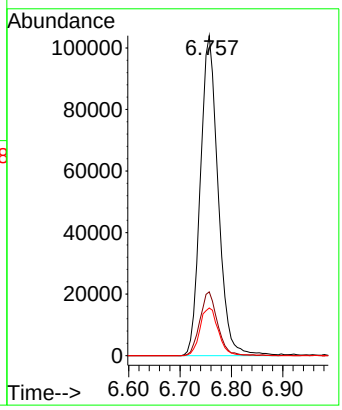


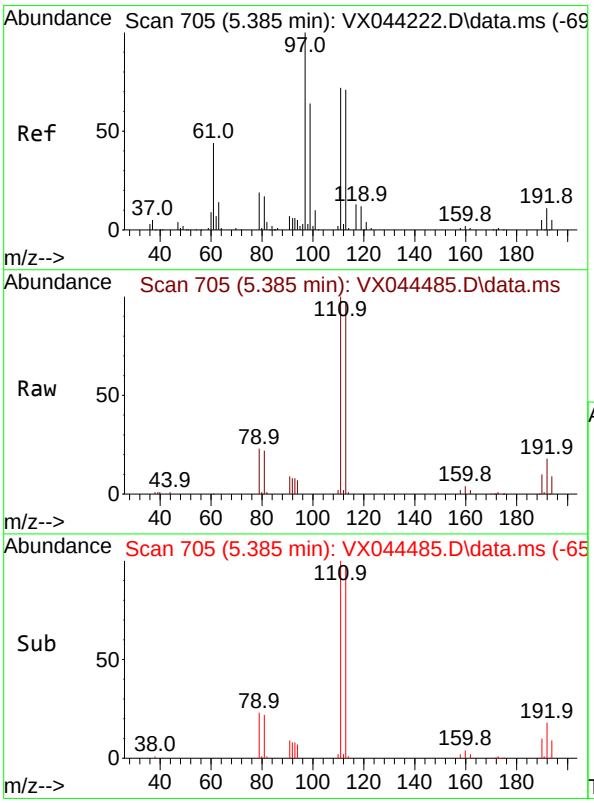

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:114 Resp: 249365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 40.6 |
| 88 | 14.9 | 0.0 | 31.8 |

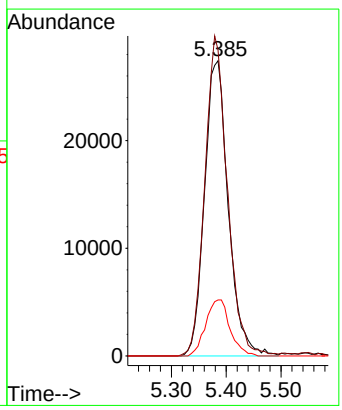


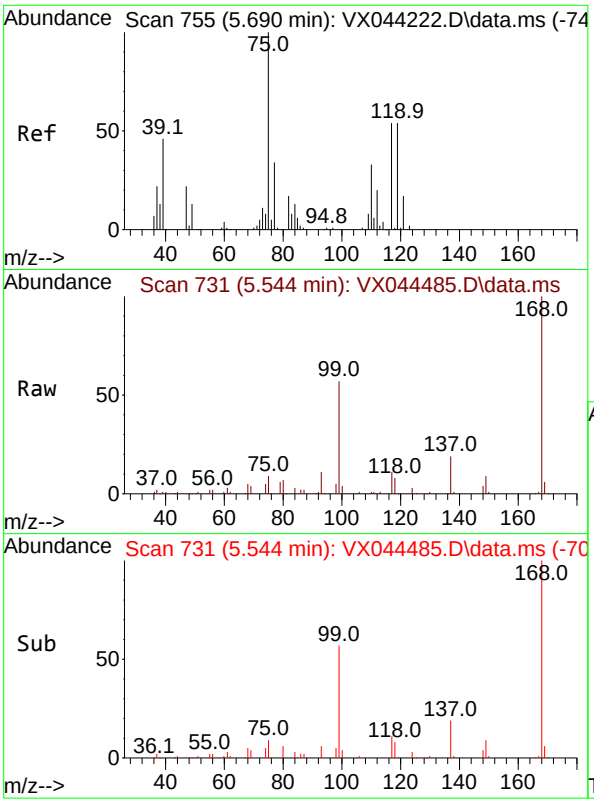




#35
Dibromofluoromethane
Concen: 47.788 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:113 Resp: 82534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 80.4 | 120.6 |
| 192 | 19.4 | 13.3 | 19.9 |



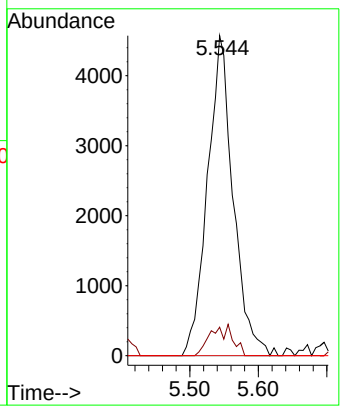


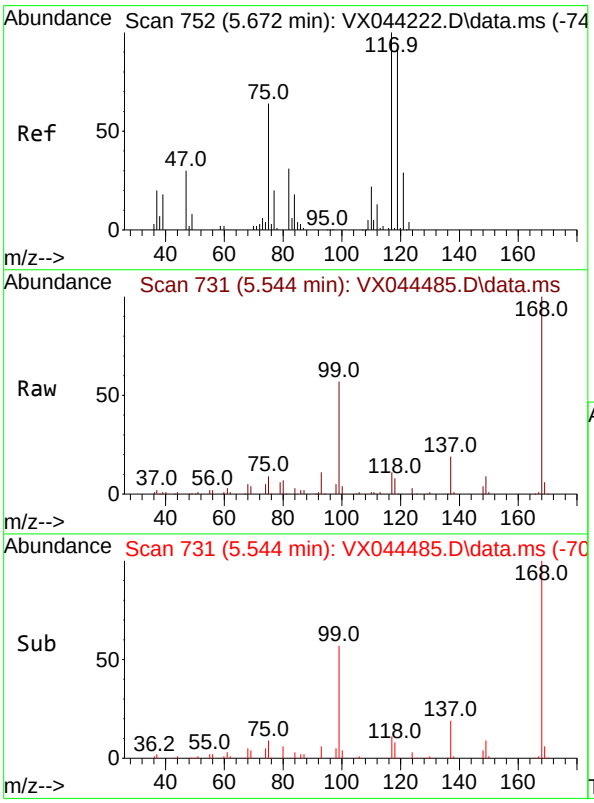

#36
1,1-Dichloropropene
Concen: 5.331 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.147 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 75 Resp: 11902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.4 | 17.3 | 51.7# |
| 77 | 0.0 | 25.4 | 38.0# |

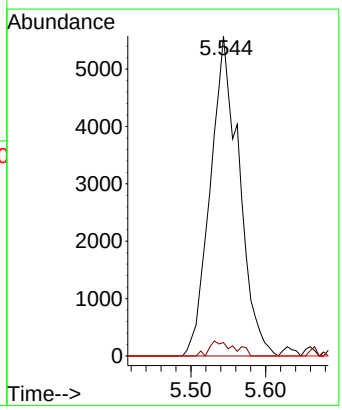


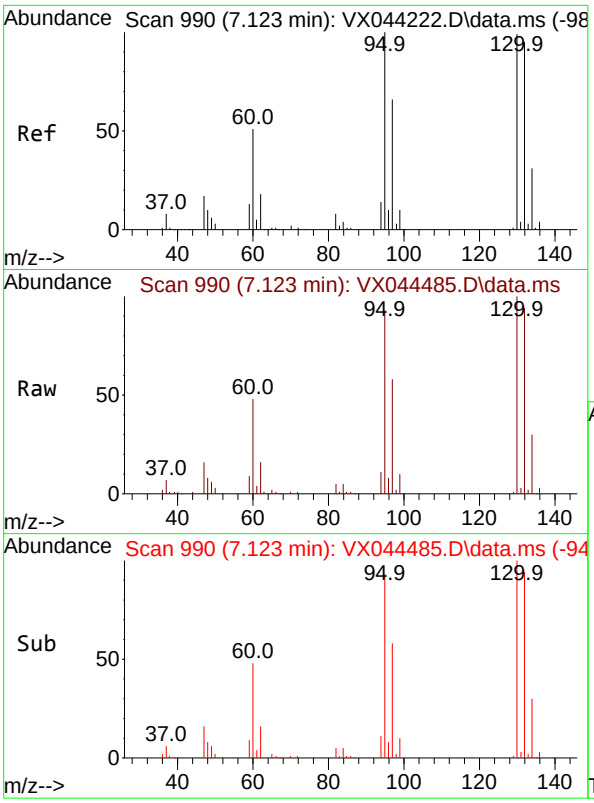




#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:117 Resp: 14934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.2 | 74.2 | 111.4# |
| 121 | 0.0 | 23.0 | 34.6# |



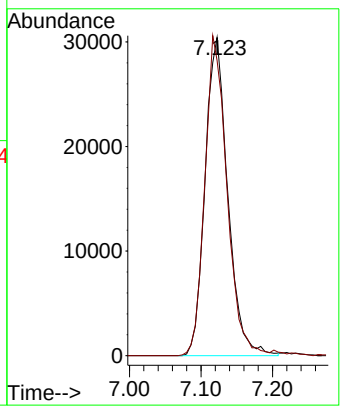


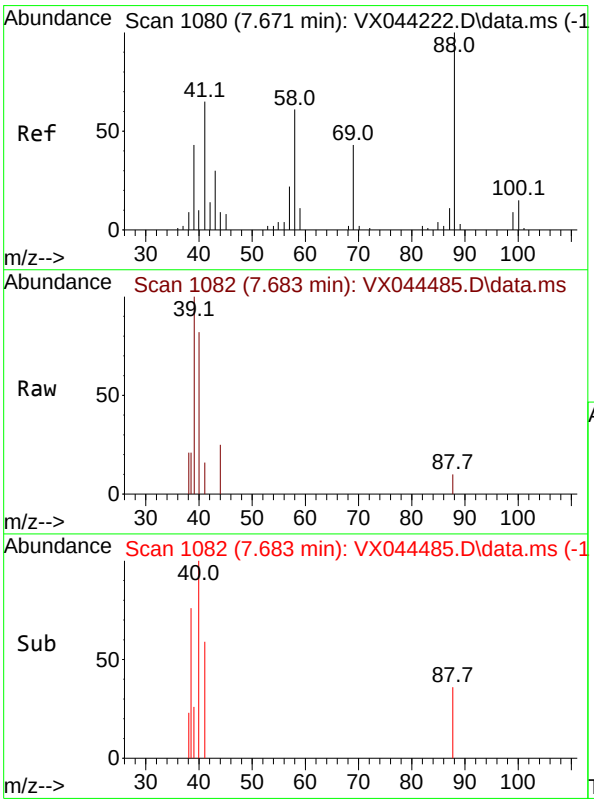

#44
Trichloroethene
Concen: 39.722 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:130 Resp: 67143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 92.7 | 0.0 | 201.4 |

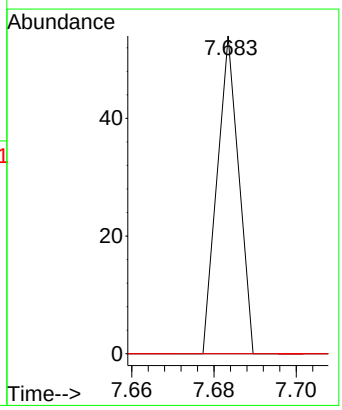


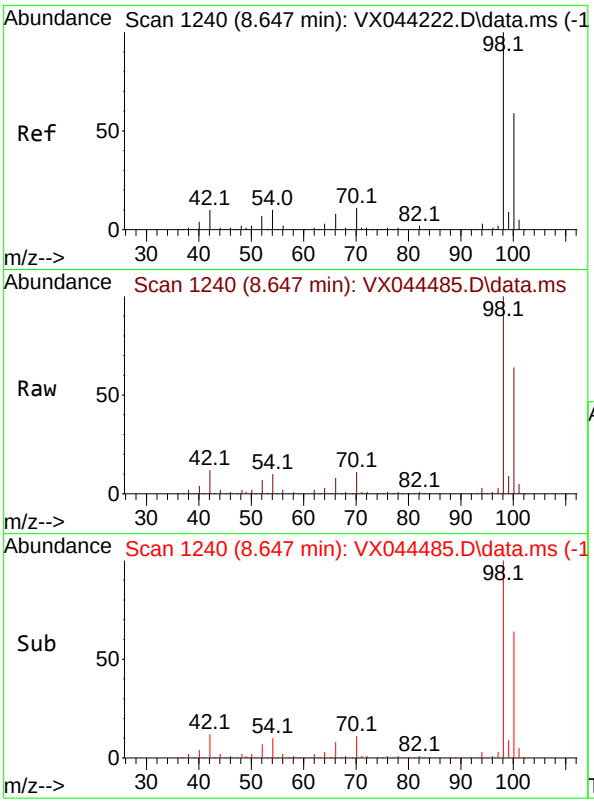




#49
1,4-Dioxane
Concen: 0.576 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.012 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 88 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 27.1 | 40.7# |
| 58 | 0.0 | 41.0 | 61.4# |



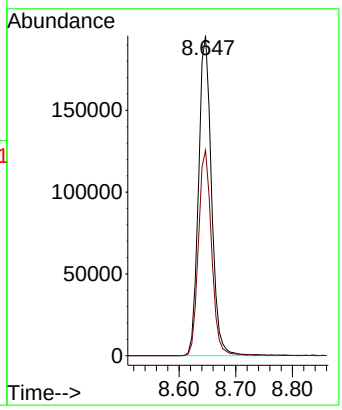


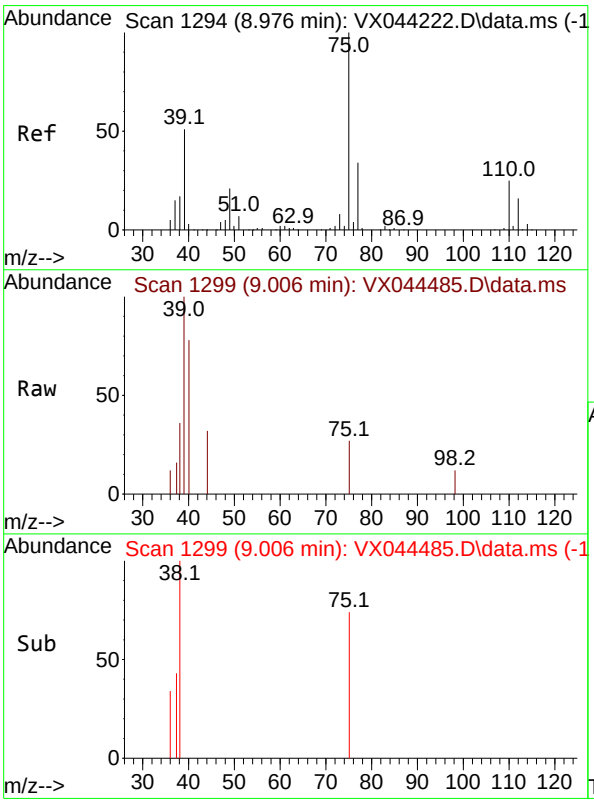

#50
Toluene-d8
Concen: 53.255 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 98 Resp: 310298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 51.5 | 77.3 |

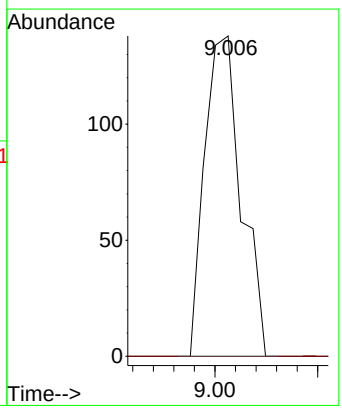


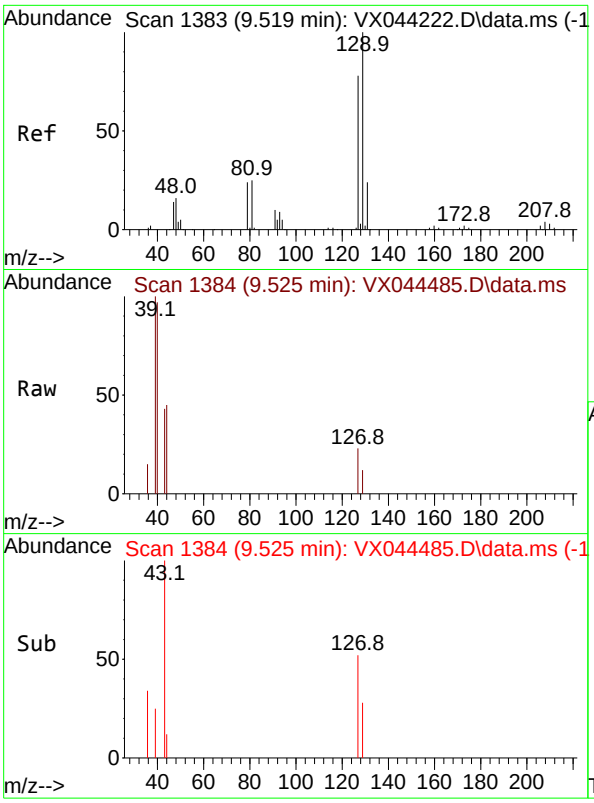




#53
t-1,3-Dichloropropene
Concen: 1.066 ug/l
RT: 9.006 min Scan# 1299
Delta R.T. 0.030 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 75 Resp: 170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 27.2 | 40.8# |



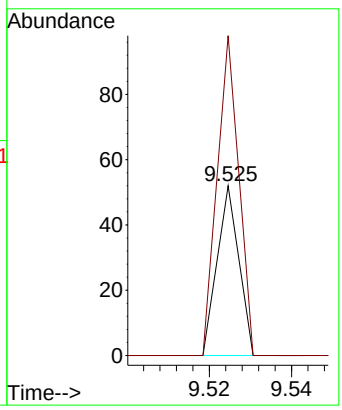


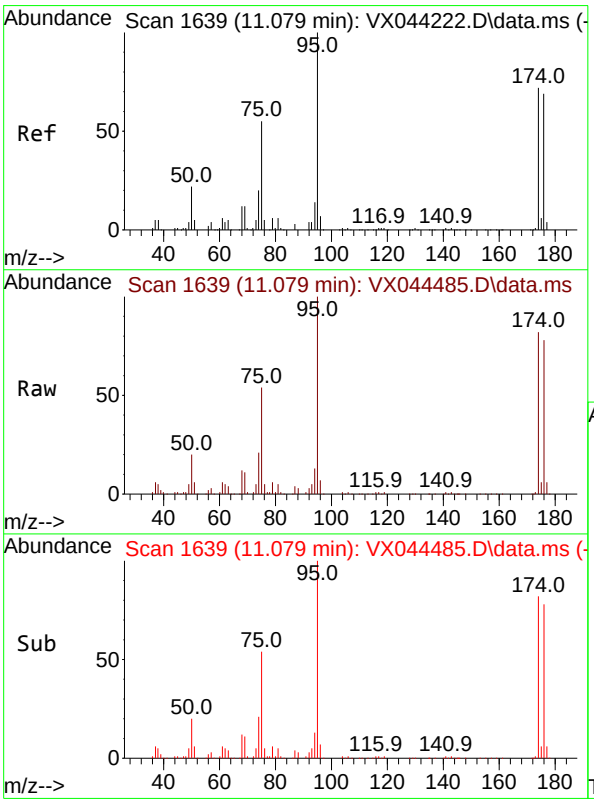

#60
Dibromochloromethane
Concen: 1.242 ug/l
RT: 9.525 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:129 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 189.5 | 38.5 | 115.3# |

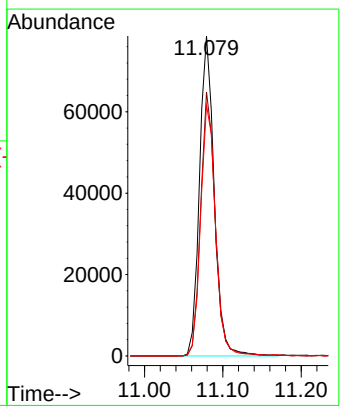


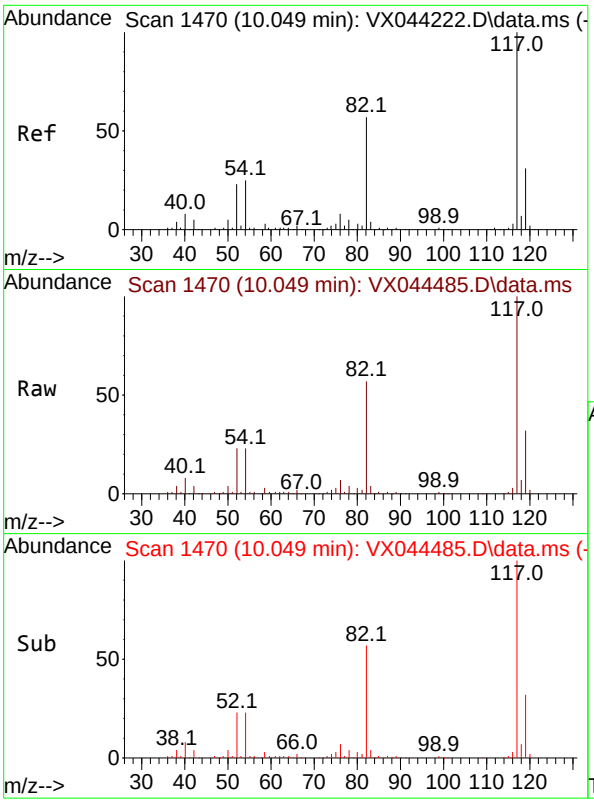




#62
4-Bromofluorobenzene
Concen: 50.220 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 95 Resp: 102247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.3 | 0.0 | 145.8 |
| 176 | 79.5 | 0.0 | 137.8 |



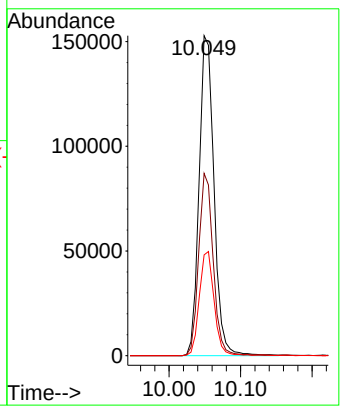


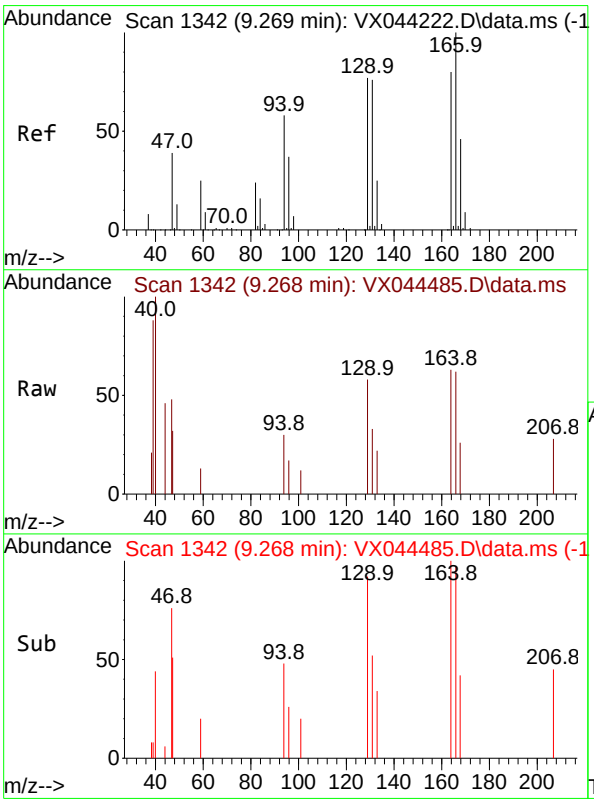

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:117 Resp: 221444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 45.8 | 68.8 |
| 119 | 31.5 | 25.0 | 37.4 |

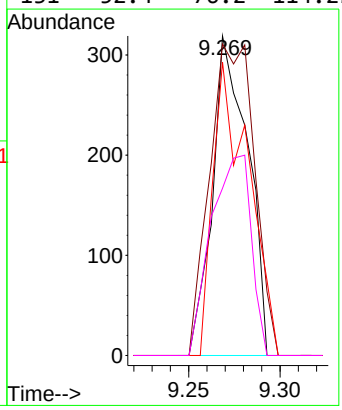


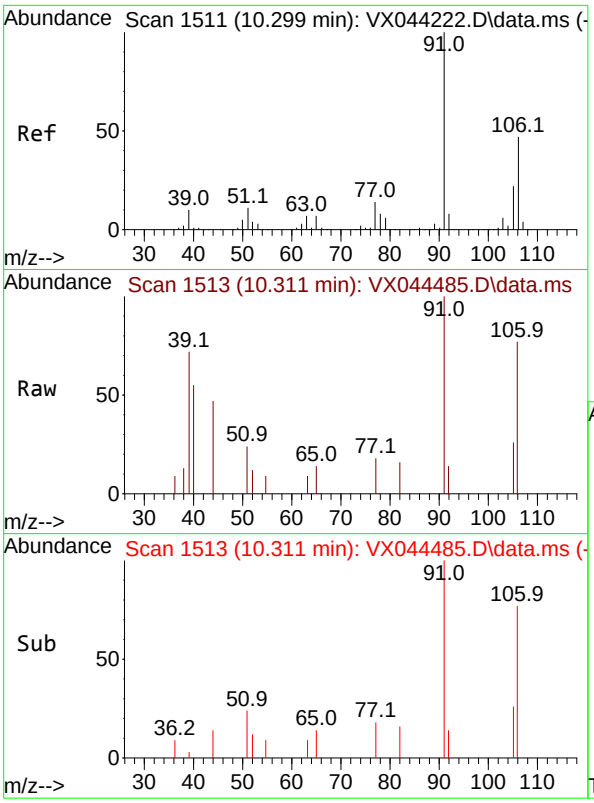




#64
Tetrachloroethene
Concen: 0.291 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:164 Resp: 428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 97.5 | 100.4 | 150.6# |
| 129 | 91.8 | 77.2 | 115.8 |
| 131 | 52.4 | 76.2 | 114.2# |



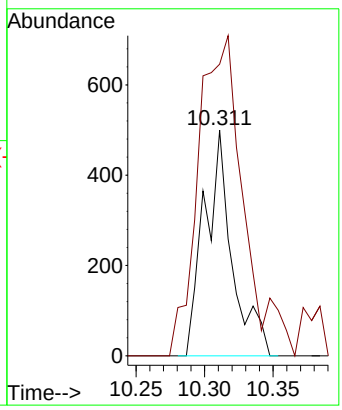


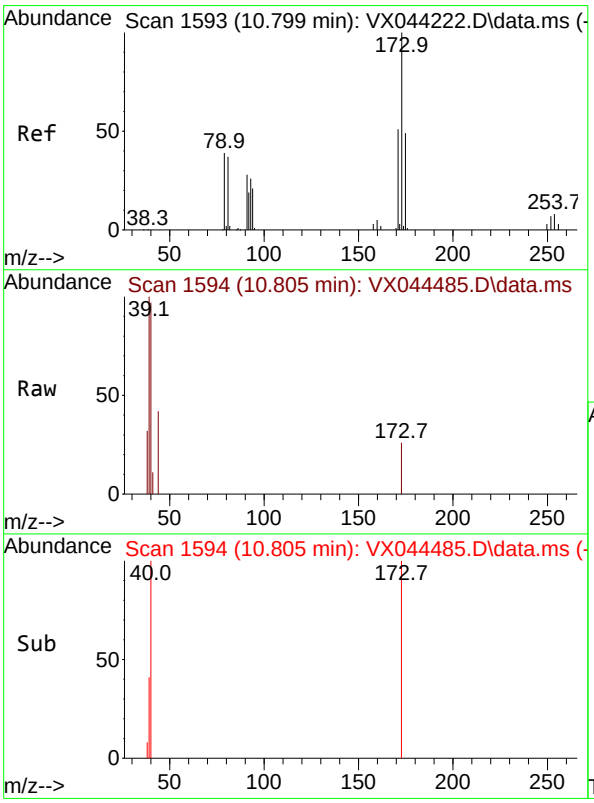

#68
m/p-Xylenes
Concen: 0.233 ug/l
RT: 10.311 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:106 Resp: 702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 230.8 | 170.2 | 255.2 |

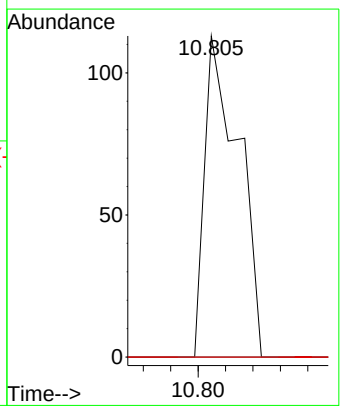


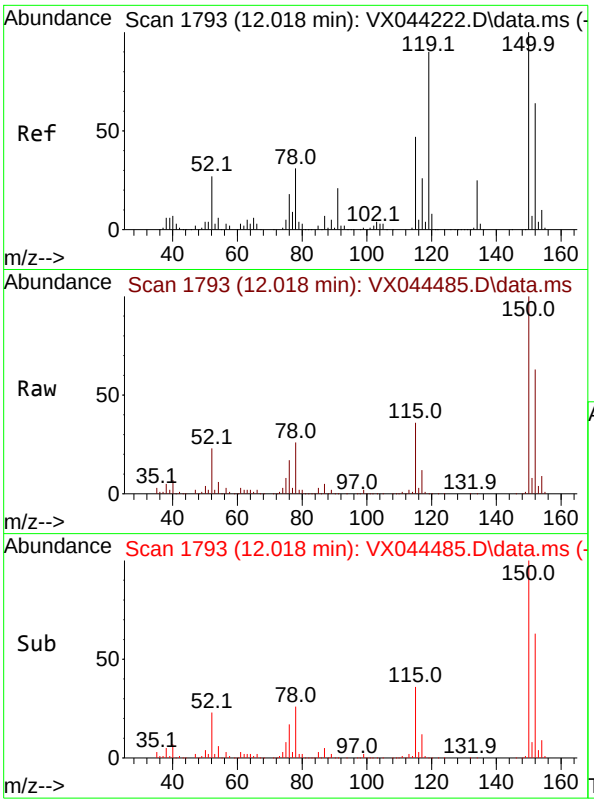




#71
Bromoform
Concen: 1.329 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:173 Resp: 97

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 0.0 | 23.8 | 71.4# |
| 254 | 0.0 | 0.0 | 0.0 |



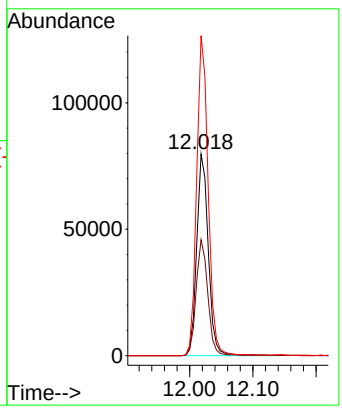


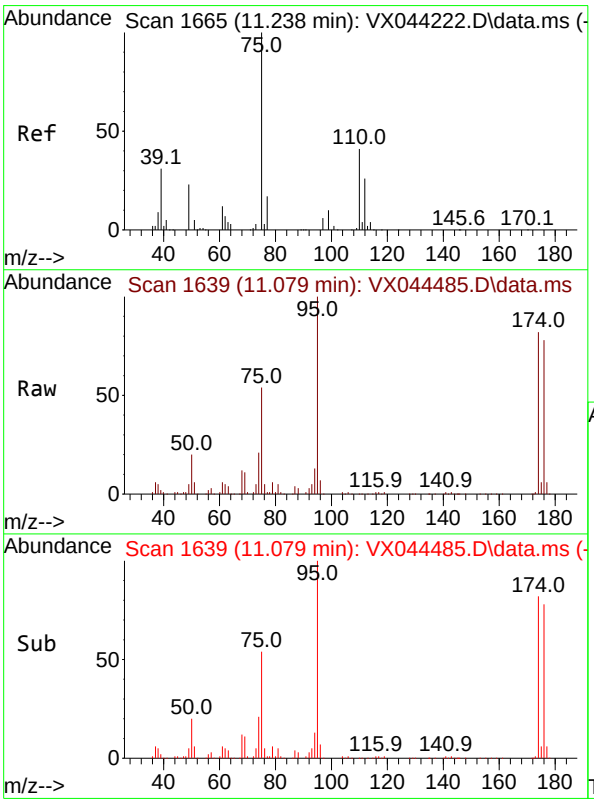

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:152 Resp: 102248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.8 | 44.5 | 133.3 |
| 150 | 156.2 | 0.0 | 353.8 |

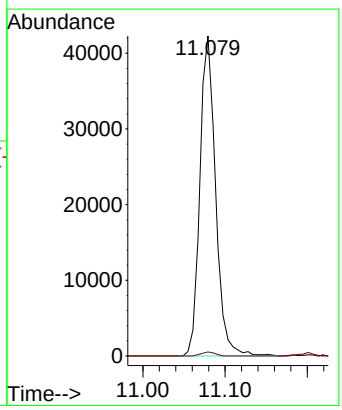


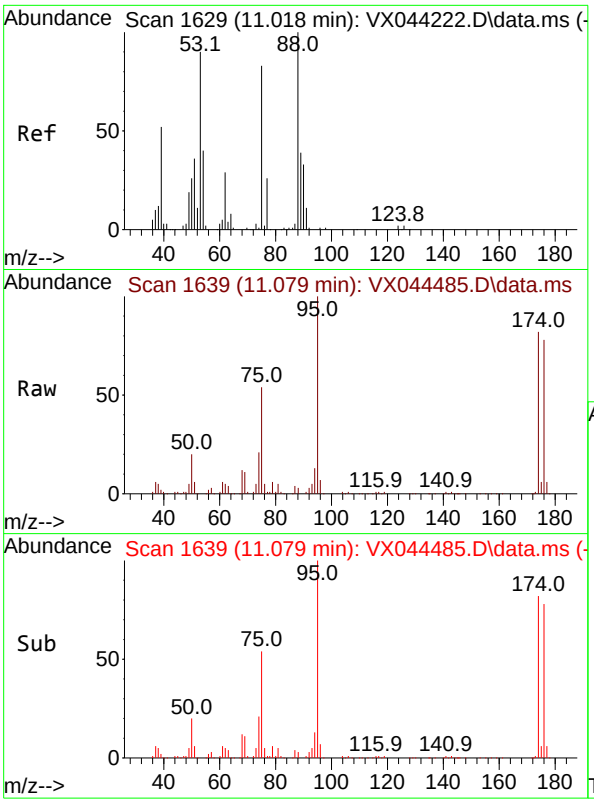




#76
1,2,3-Trichloropropane
Concen: 24.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion: 75 Resp: 56229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 20.9 | 62.7# |



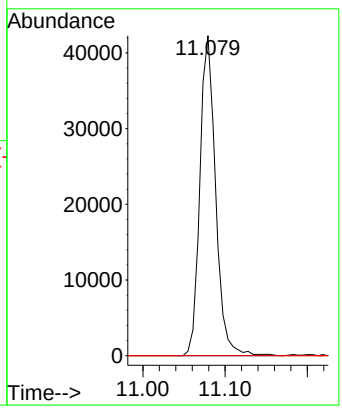


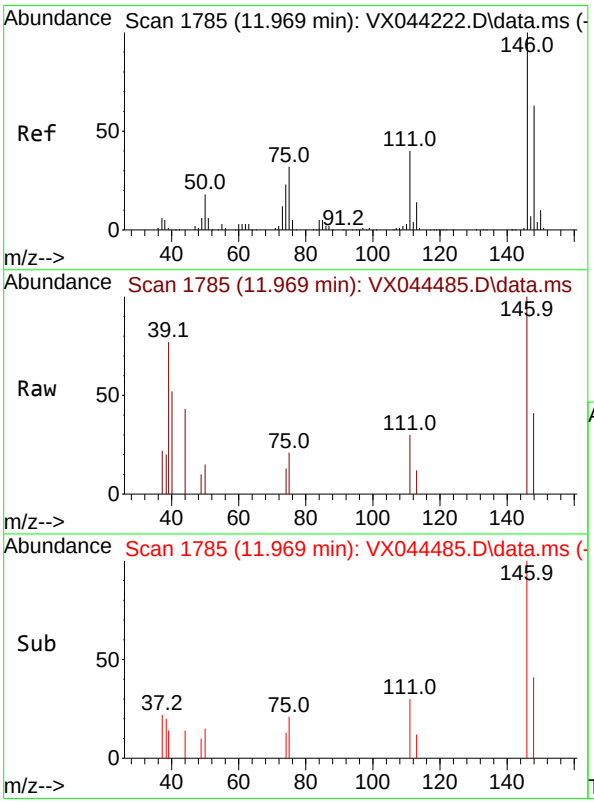

#81
trans-1,4-Dichloro-2-butene
Concen: 68.281 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 75 Resp: 56229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 93.6 | 140.4# |
| 89 | 0.0 | 37.3 | 55.9# |

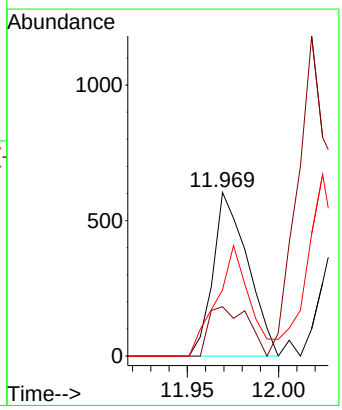


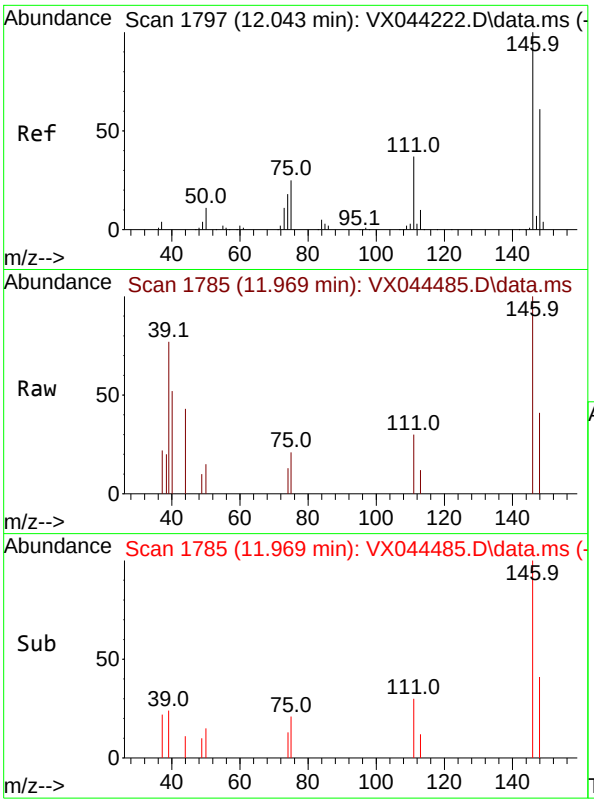




#87
1,3-Dichlorobenzene
Concen: 0.240 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:146 Resp: 795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 34.1 | 21.4 | 64.2 |
| 148 | 66.8 | 31.7 | 95.1 |



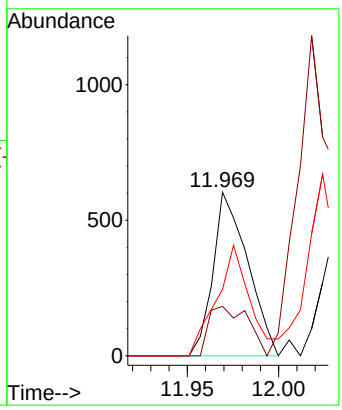


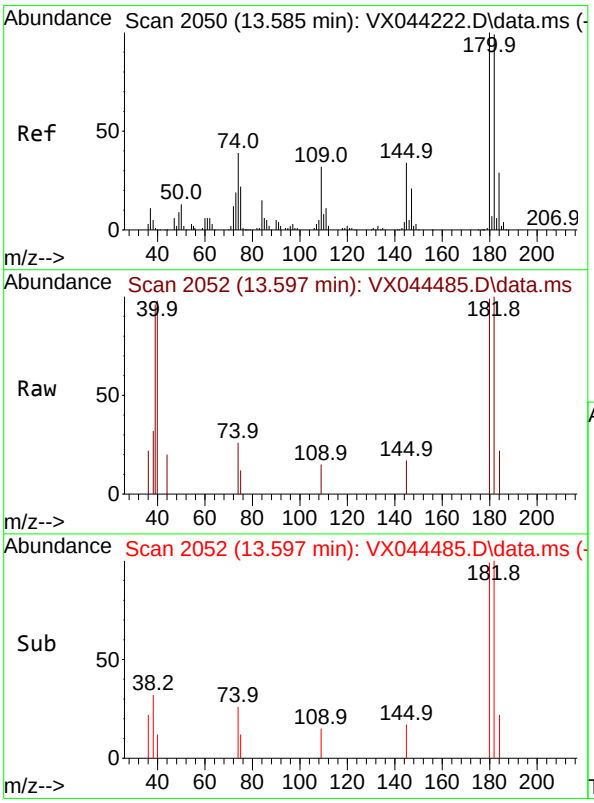

#88
1,4-Dichlorobenzene
Concen: 0.233 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.073 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:146 Resp: 795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 34.1 | 21.0 | 63.0 |
| 148 | 66.8 | 32.3 | 96.8 |

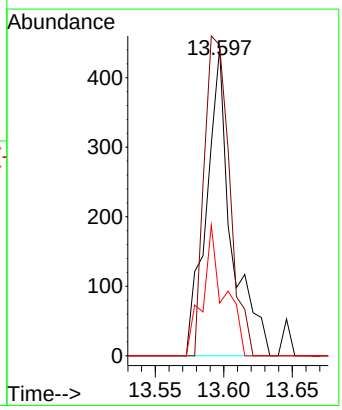


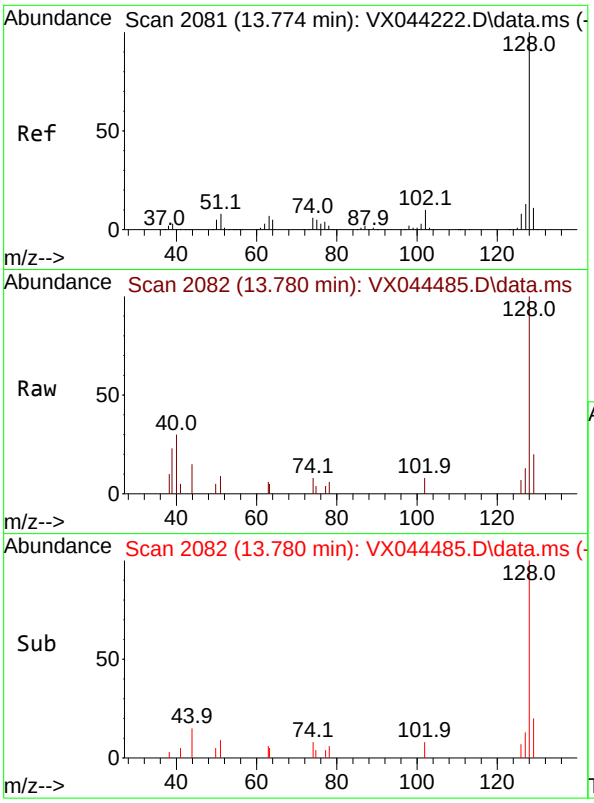




#93
1,2,4-Trichlorobenzene
Concen: 0.297 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:180 Resp: 560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 104.6 | 48.0 | 144.2 |
| 145 | 37.0 | 16.6 | 49.7 |



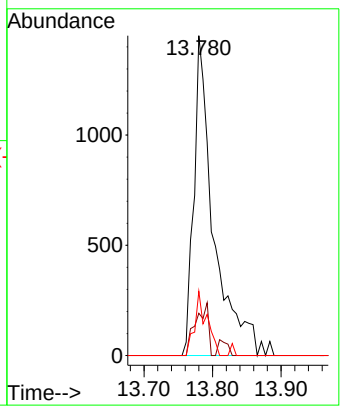


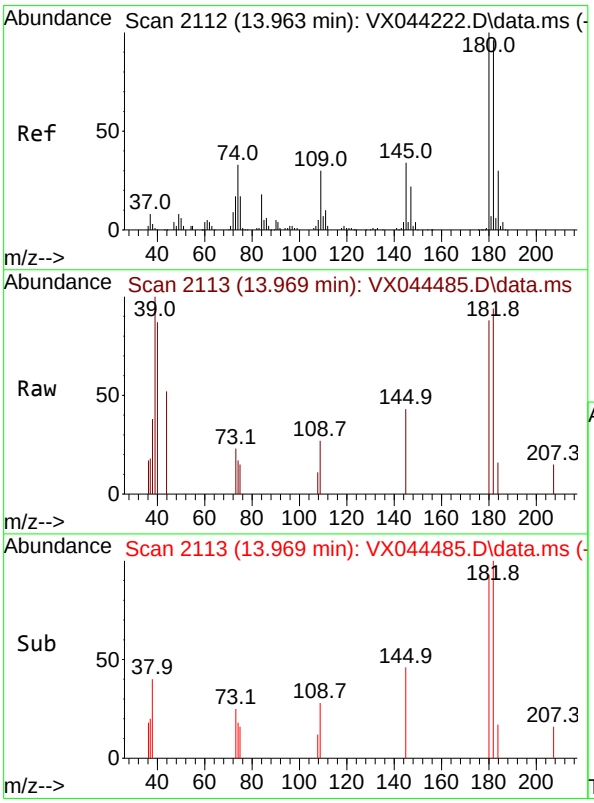

#95
Naphthalene
Concen: 0.400 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:128 Resp: 2946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 10.6 | 10.5 | 15.7 |
| 129 | 12.4 | 9.0 | 13.4 |

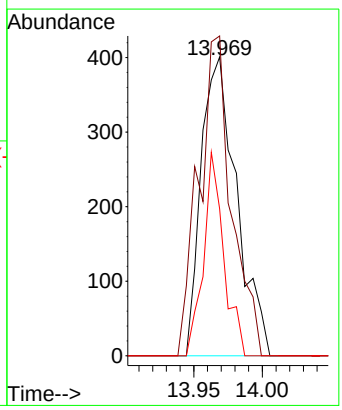



#96
1,2,3-Trichlorobenzene
Concen: 0.360 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX044485.D
Acq: 23 Dec 2024 17:09

Tgt Ion:180 Resp: 720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.2 | 48.0 | 144.0 |
| 145 | 38.8 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044487.D
Acq On : 23 Dec 2024 17:54
Operator : JC/MD
Sample : P5317-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Quant Time: Dec 23 22:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 141229 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 244942 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 208216 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 92708 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 105913 | 42.772 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 85.540% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 82591 | 48.685 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.360% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 300884 | 52.572 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 105.140% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 96839 | 48.423 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 1508 | 0.691 | ug/l | 97 |
| 3) Chloromethane | 1.295 | 50 | 1090 | 0.522 | ug/l | 93 |
| 5) Bromomethane | 1.605 | 94 | 698 | 0.452 | ug/l | 87 |
| 6) Chloroethane | 1.636 | 64 | 482 | 0.356 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 2977 | 1.727 | ug/l | 95 |
| 11) Tert butyl alcohol | 2.947 | 59 | 376 | 1.077 | ug/l # | 71 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 1007 | 0.636 | ug/l # | 76 |
| 16) Acetone | 2.380 | 43 | 1142 | 1.131 | ug/l # | 88 |
| 20) Methylene Chloride | 2.782 | 84 | 446 | 0.235 | ug/l | 89 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 639 | 0.299 | ug/l | 77 |
| 30) Chloroform | 5.099 | 83 | 1276 | 0.343 | ug/l # | 77 |
| 31) Cyclohexane | 5.550 | 56 | 3529 | 1.320 | ug/l # | 49 |
| 36) 1,1-Dichloropropene | 5.538 | 75 | 11935 | 5.443 | ug/l # | 41 |
| 38) Carbon Tetrachloride | 5.550 | 117 | 14624 | 6.194 | ug/l # | 19 |
| 44) Trichloroethene | 7.129 | 130 | 16176 | 9.743 | ug/l | 81 |
| 49) 1,4-Dioxane | 7.501 | 88 | 19 | 0.557 | ug/l # | 32 |
| 51) 4-Methyl-2-Pentanone | 8.641 | 43 | 1474 | 0.541 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 11.079 | 75 | 52897 | 25.555 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75 | 52897 | 70.636 | ug/l # | 4 |

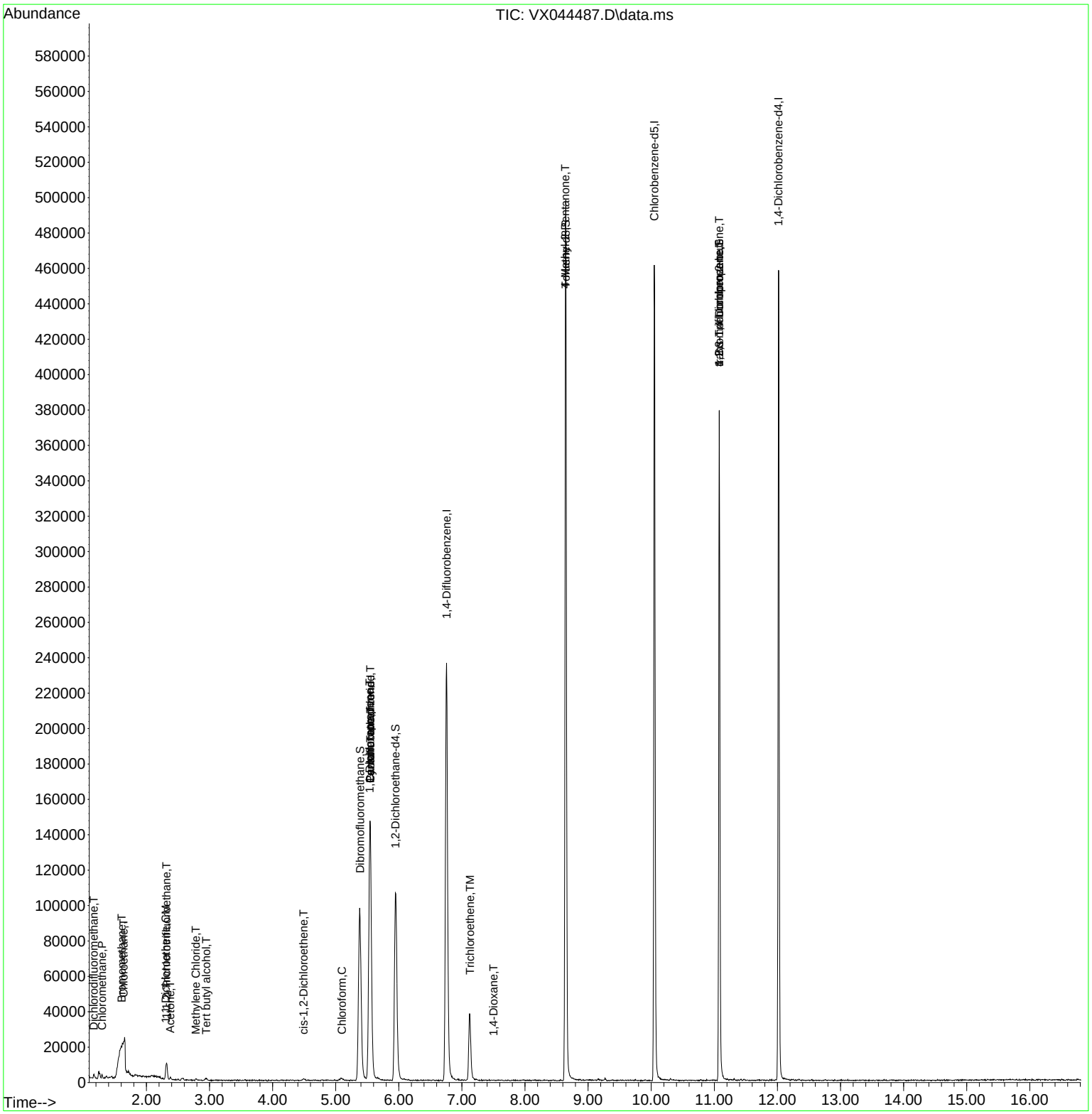
(#) = qualifier out of range (m) = manual integration (+) = signals summed

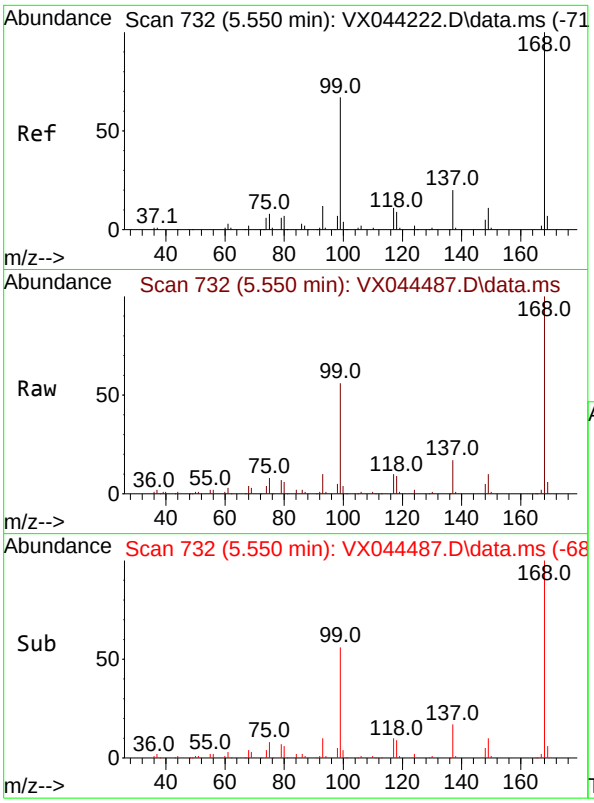
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044487.D
Acq On : 23 Dec 2024 17:54
Operator : JC/MD
Sample : P5317-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Quant Time: Dec 23 22:14:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



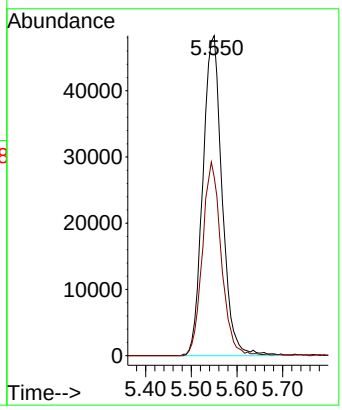


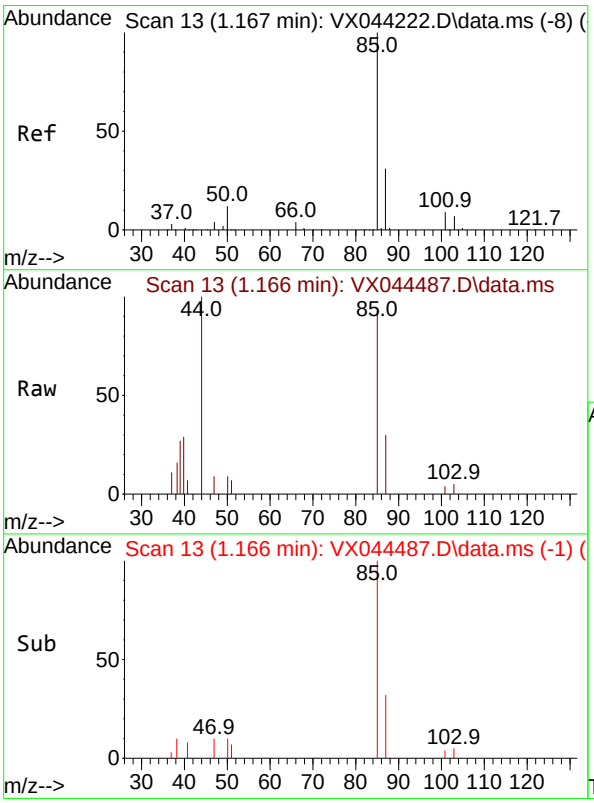

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion:168 Resp: 141229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.8 | 53.4 | 80.0 |

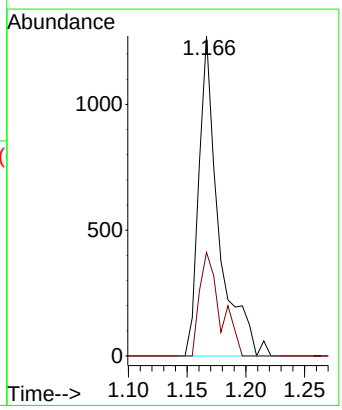


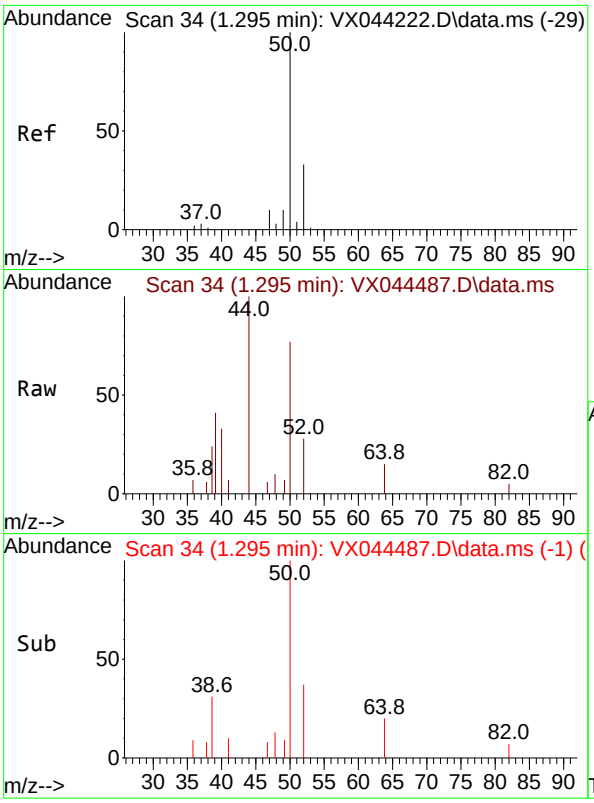




#2
Dichlorodifluoromethane
Concen: 0.691 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 85 Resp: 1508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 15.4 | 46.4 |



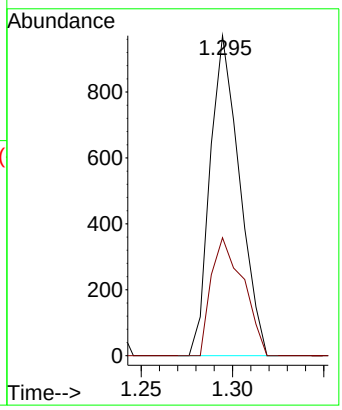


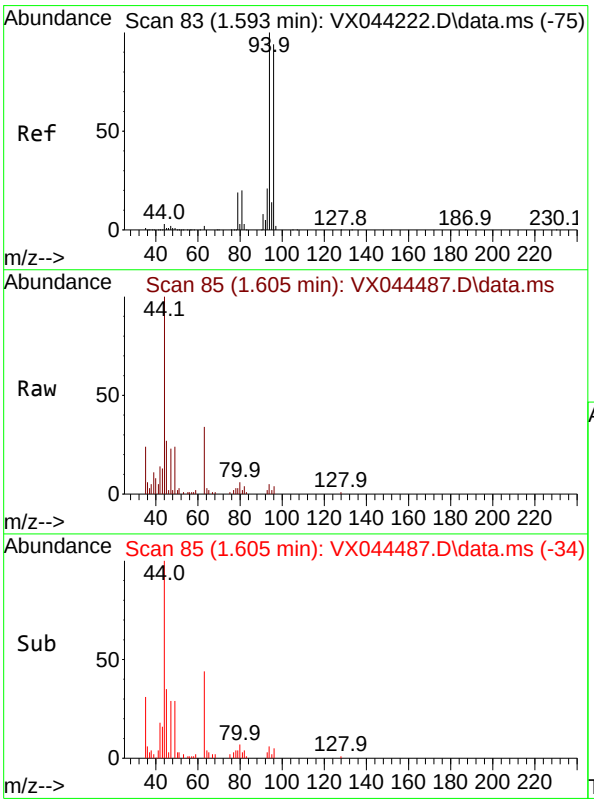

#3
Chloromethane
Concen: 0.522 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 50 Resp: 1090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.9 | 26.5 | 39.7 |

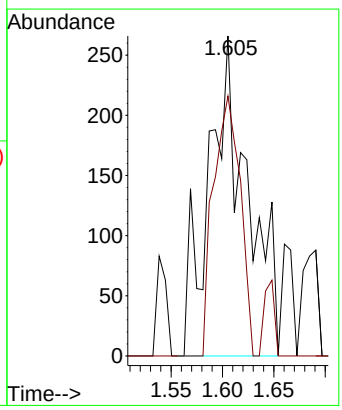


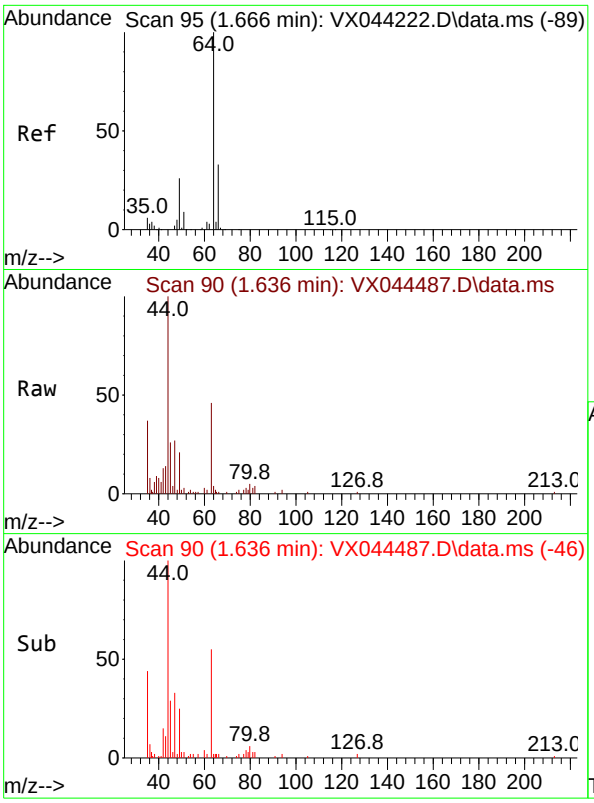




#5
Bromomethane
Concen: 0.452 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 94 Resp: 698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 81.2 | 74.9 | 112.3 |



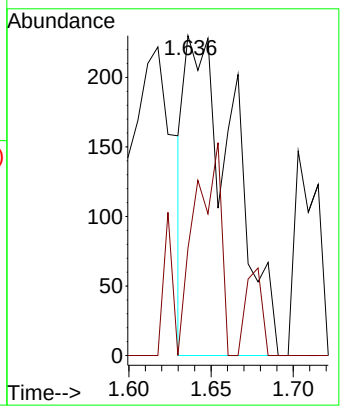


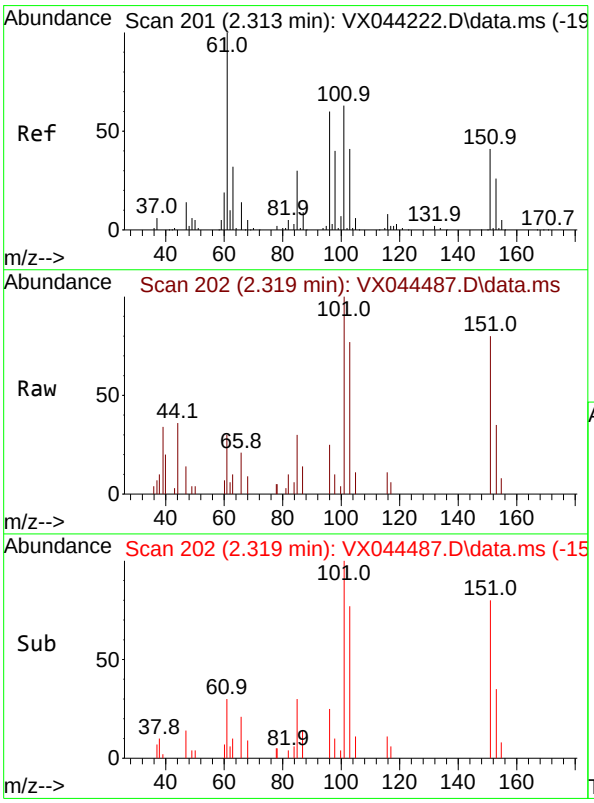

#6
Chloroethane
Concen: 0.356 ug/l
RT: 1.636 min Scan# 9
Delta R.T. -0.031 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 64 Resp: 482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.5 | 26.6 | 39.8 |

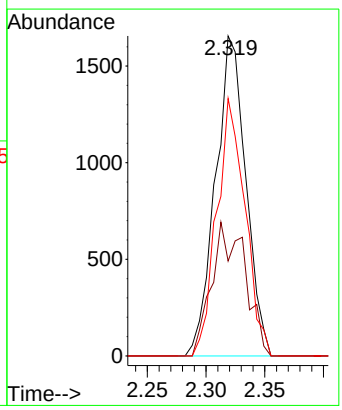


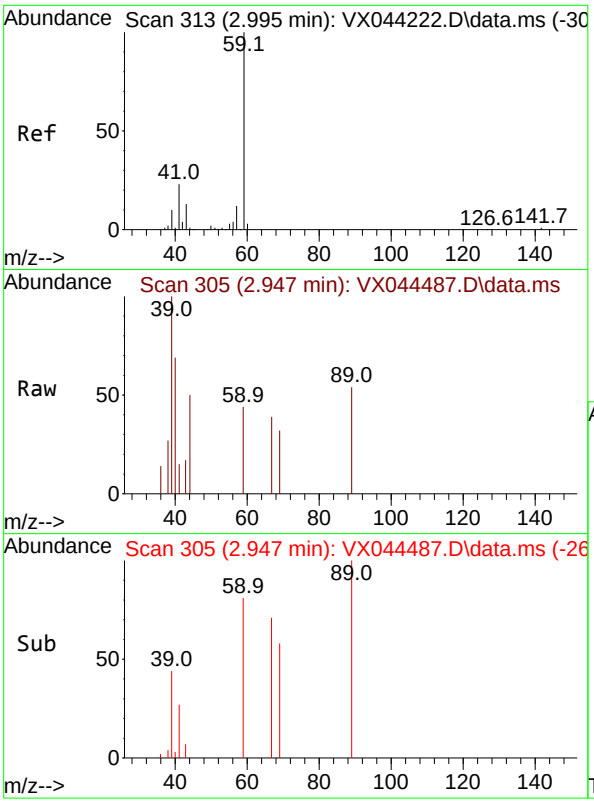




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.727 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:101 Resp: 2977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 38.5 | 57.7 |
| 151 | 75.1 | 55.8 | 83.6 |



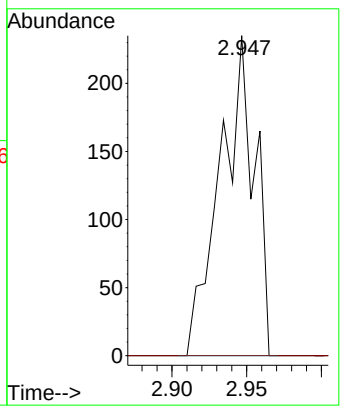


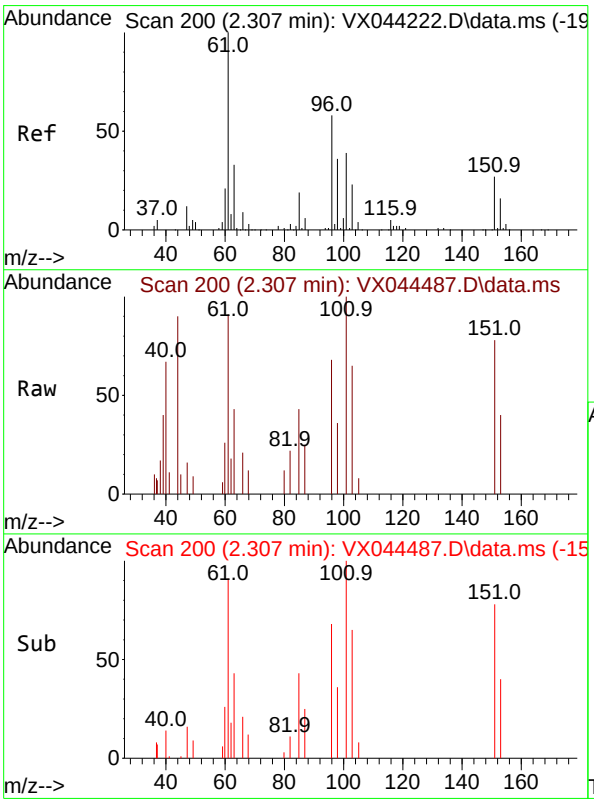

#11
Tert butyl alcohol
Concen: 1.077 ug/l
RT: 2.947 min Scan# 3
Delta R.T. -0.049 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 59 Resp: 376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |

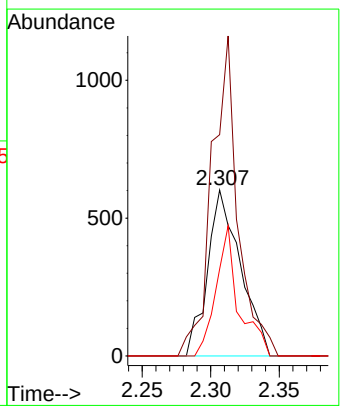


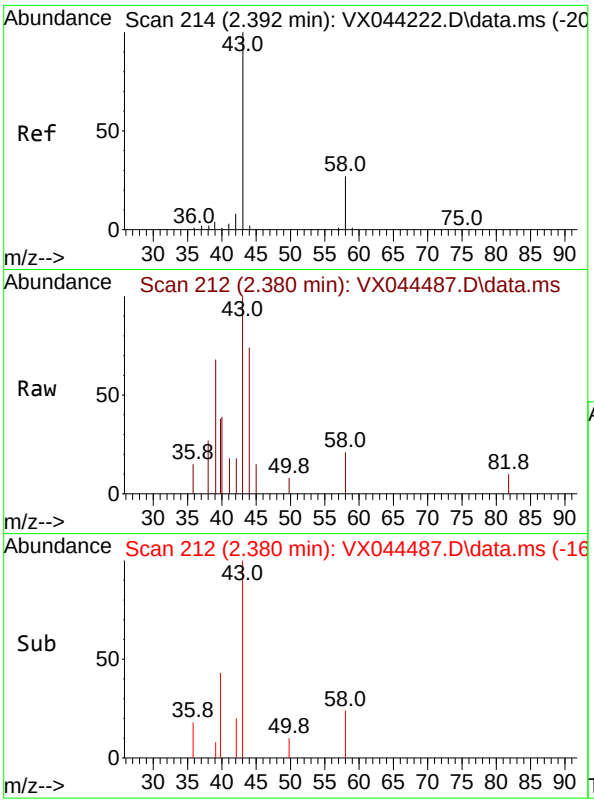




#12
1,1-Dichloroethene
Concen: 0.636 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 96 Resp: 1007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.4 | 138.0 | 207.0# |
| 98 | 52.3 | 50.0 | 75.0 |



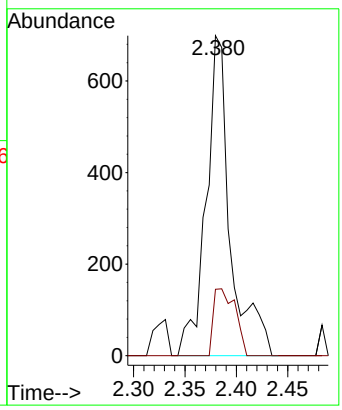


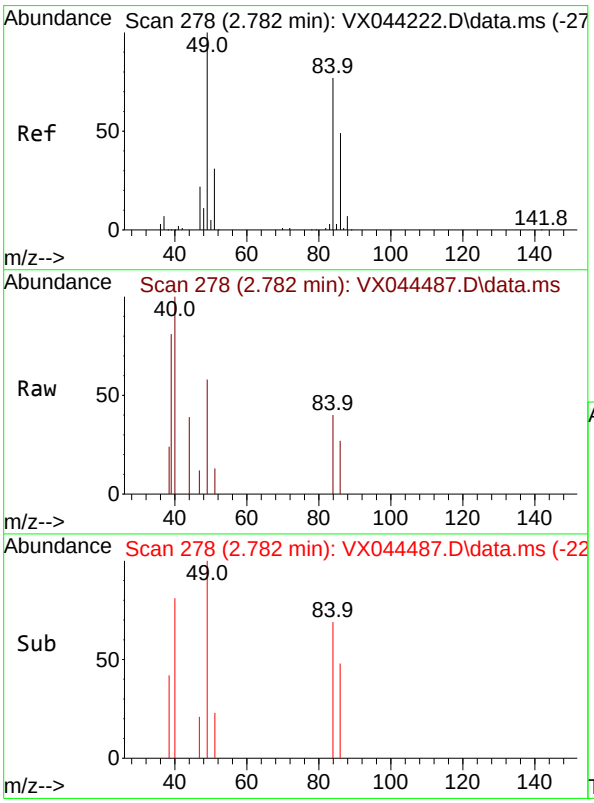

#16
Acetone
Concen: 1.131 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 43 Resp: 1142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 20.7 | 21.6 | 32.4# |

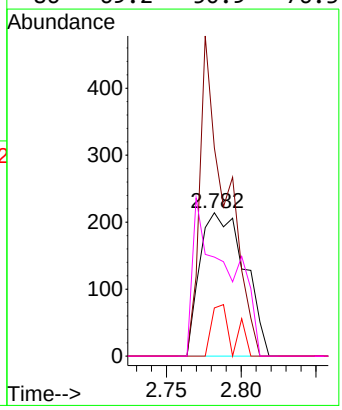


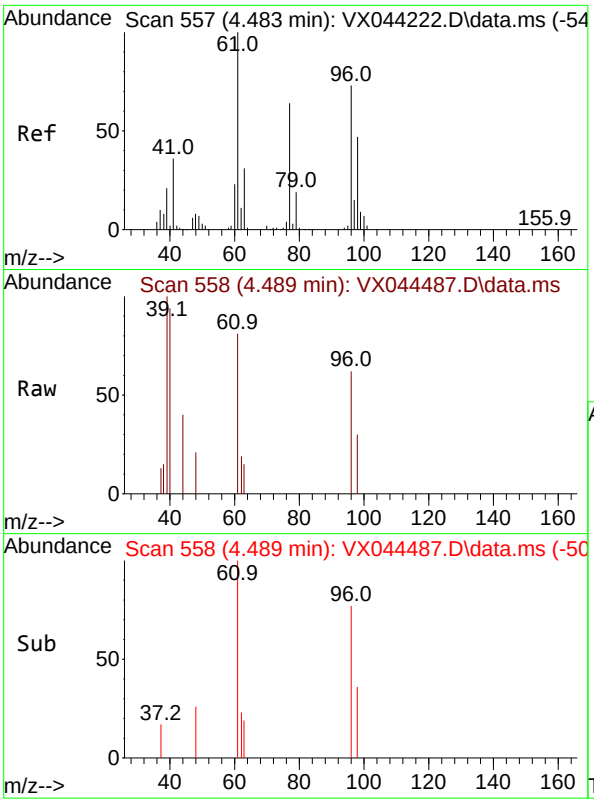




#20
Methylene Chloride
Concen: 0.235 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 84 Resp: 446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 145.3 | 104.2 | 156.4 |
| 51 | 33.6 | 32.2 | 48.4 |
| 86 | 69.2 | 50.9 | 76.3 |



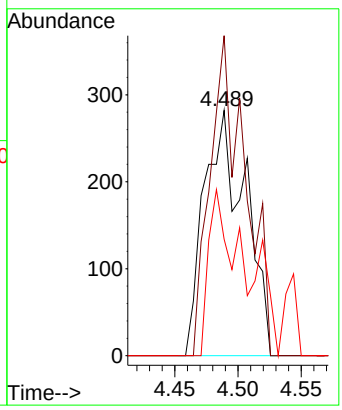


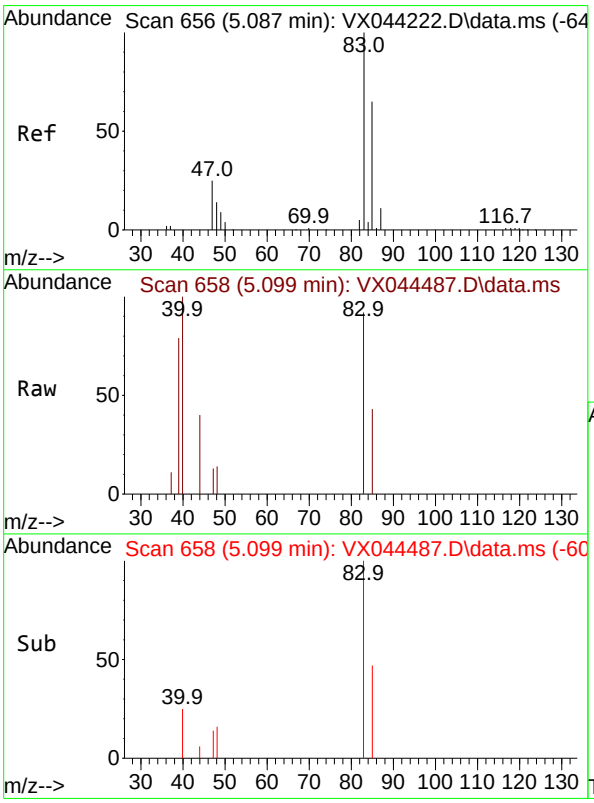

#27
cis-1,2-Dichloroethene
Concen: 0.299 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 96 Resp: 639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 111.0 | 0.0 | 299.0 |
| 98 | 60.7 | 0.0 | 129.0 |

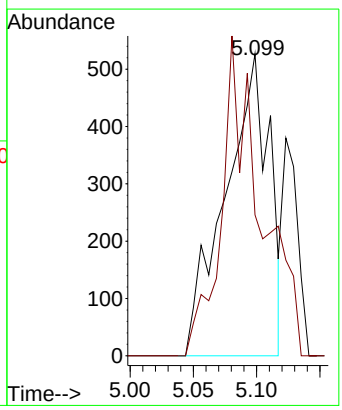


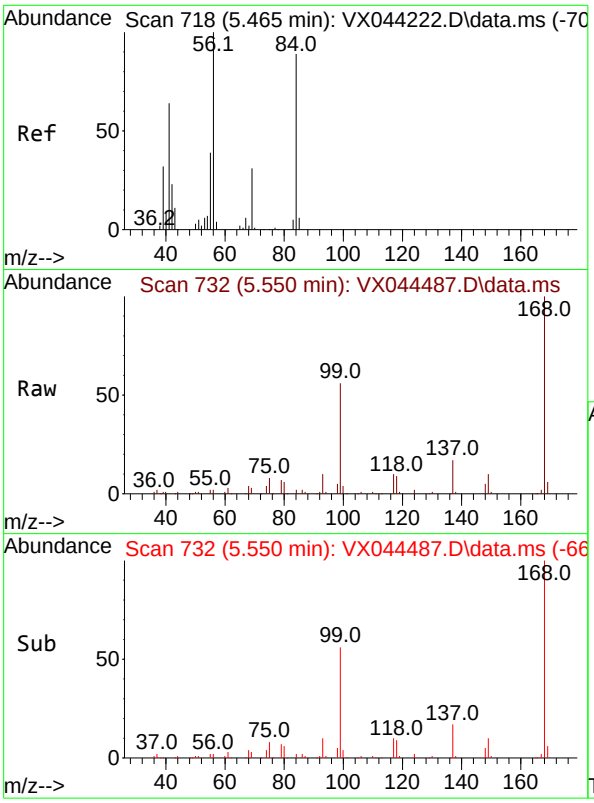




#30
Chloroform
Concen: 0.343 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 83 Resp: 1276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 46.7 | 51.6 | 77.4# |



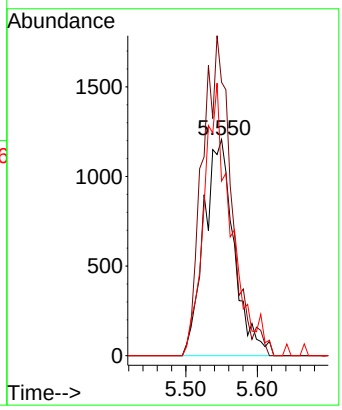


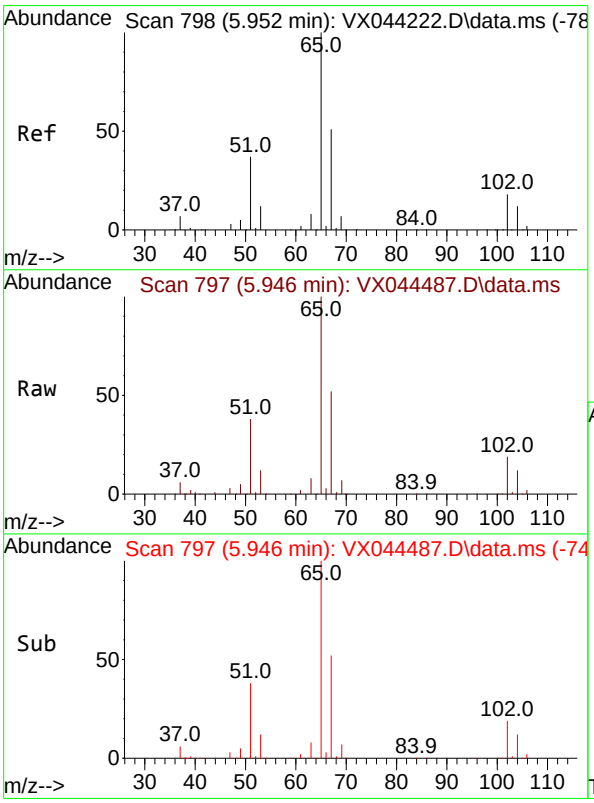

#31
Cyclohexane
Concen: 1.320 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.085 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 56 Resp: 3529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 126.5 | 24.7 | 37.1# |
| 84 | 80.8 | 71.0 | 106.6 |

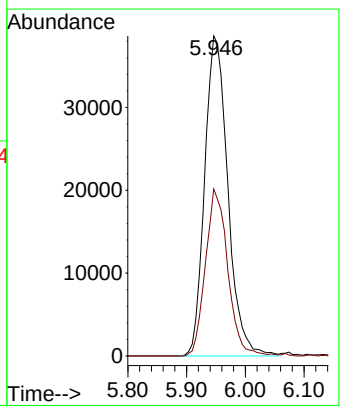


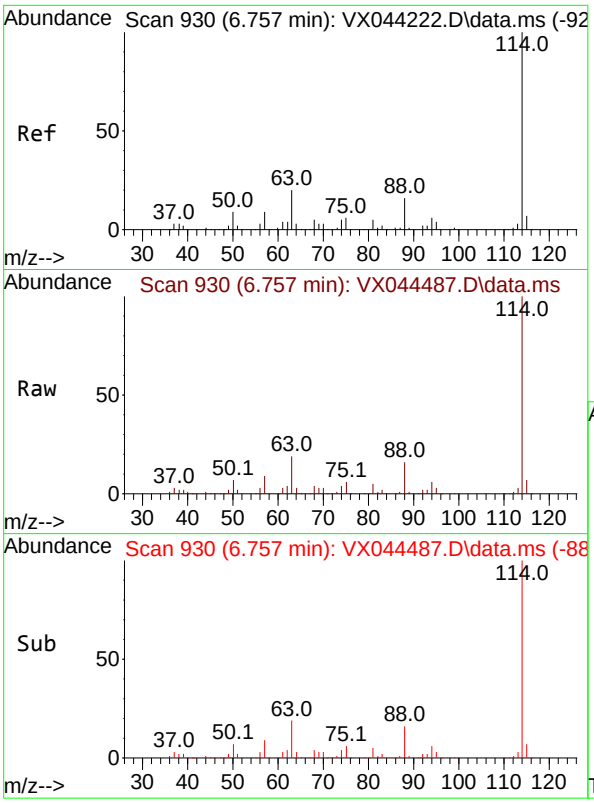




#33
1,2-Dichloroethane-d4
Concen: 42.772 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 65 Resp: 105913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.3 | 0.0 | 101.6 |



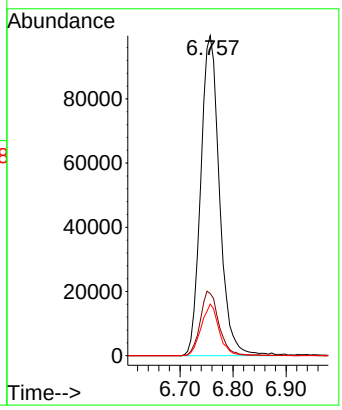


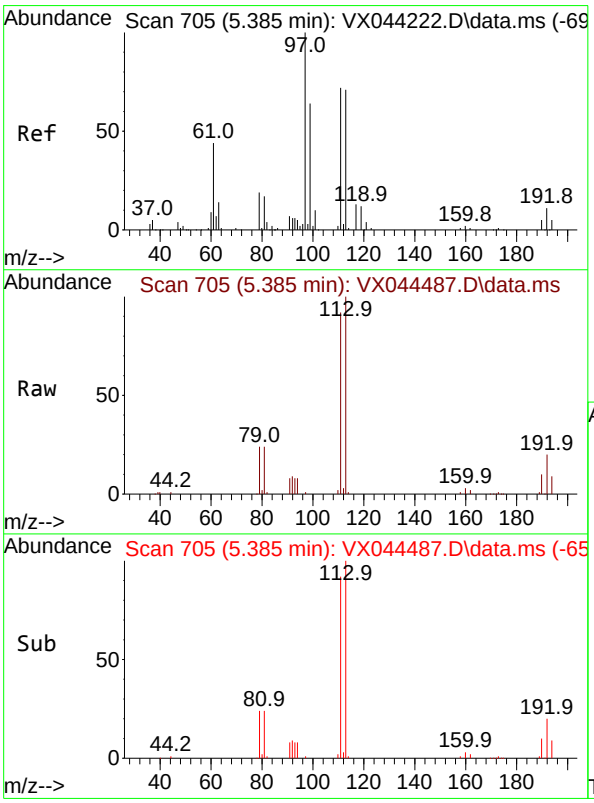

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion:114 Resp: 244942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 40.6 |
| 88 | 16.1 | 0.0 | 31.8 |

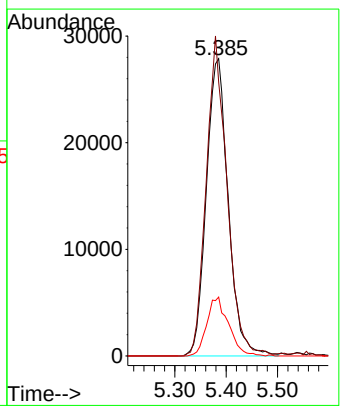


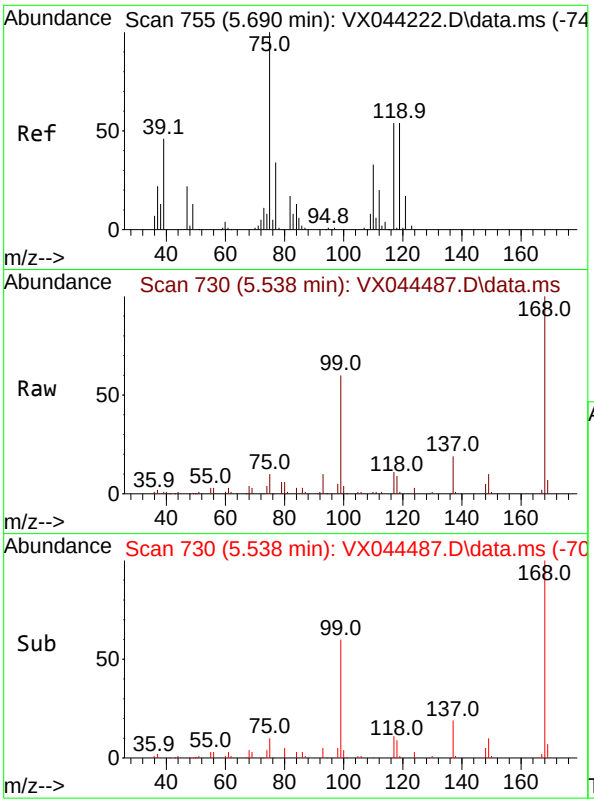




#35
Dibromofluoromethane
Concen: 48.685 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:113 Resp: 82591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 80.4 | 120.6 |
| 192 | 19.6 | 13.3 | 19.9 |



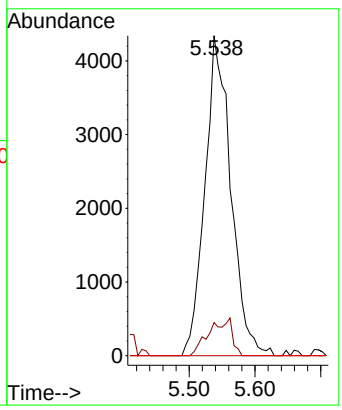


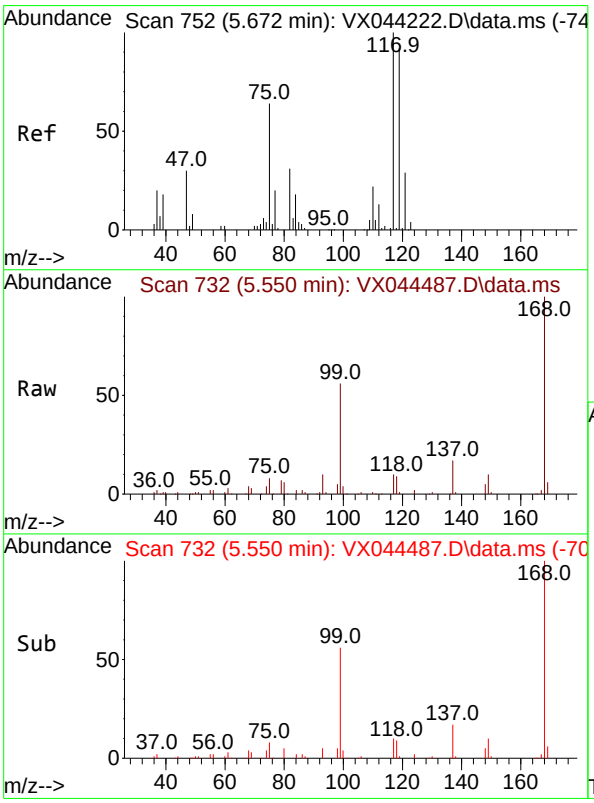

#36
1,1-Dichloropropene
Concen: 5.443 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.152 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 75 Resp: 11935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 17.3 | 51.7# |
| 77 | 0.0 | 25.4 | 38.0# |

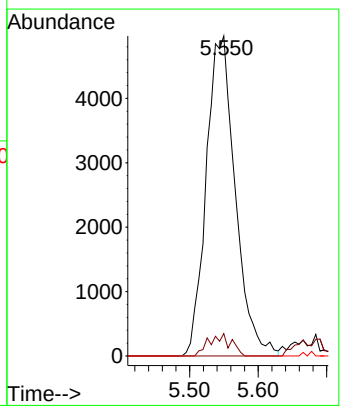


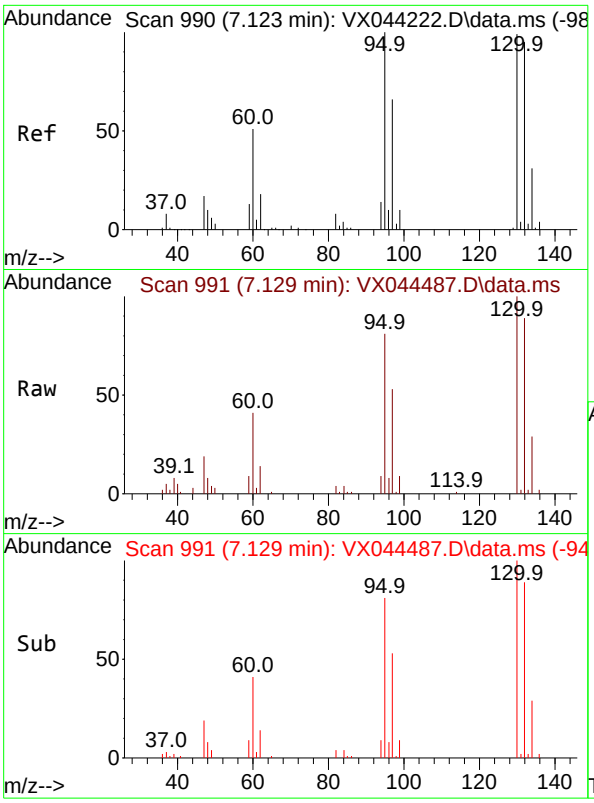




#38
Carbon Tetrachloride
Concen: 6.194 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:117 Resp: 14624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 7.0 | 74.2 | 111.4# |
| 121 | 0.0 | 23.0 | 34.6# |



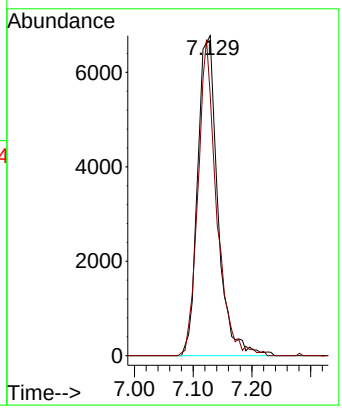


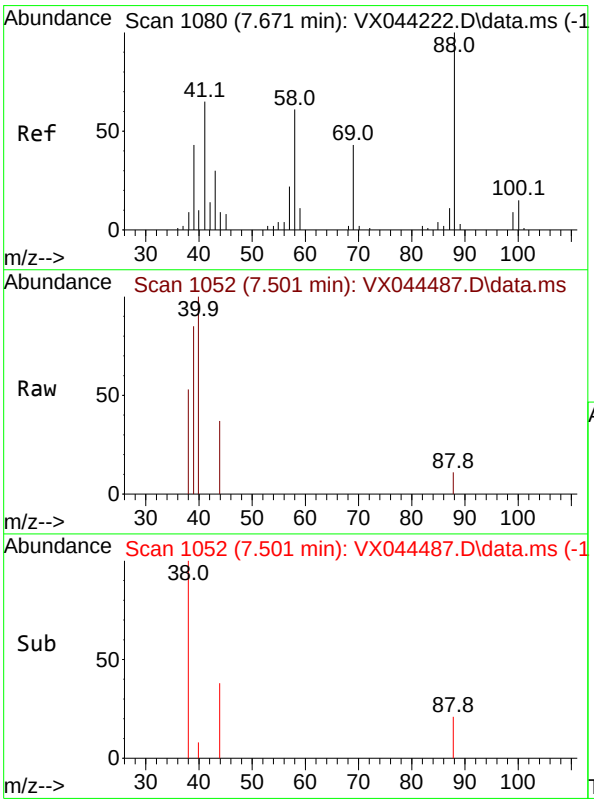

#44
Trichloroethene
Concen: 9.743 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion:130 Resp: 16176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 81.5 | 0.0 | 201.4 |

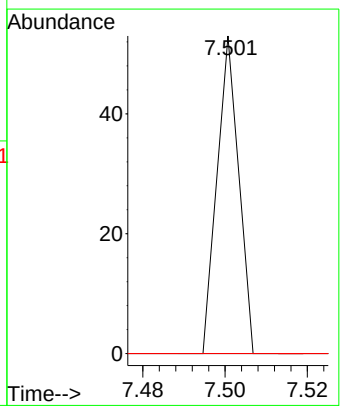


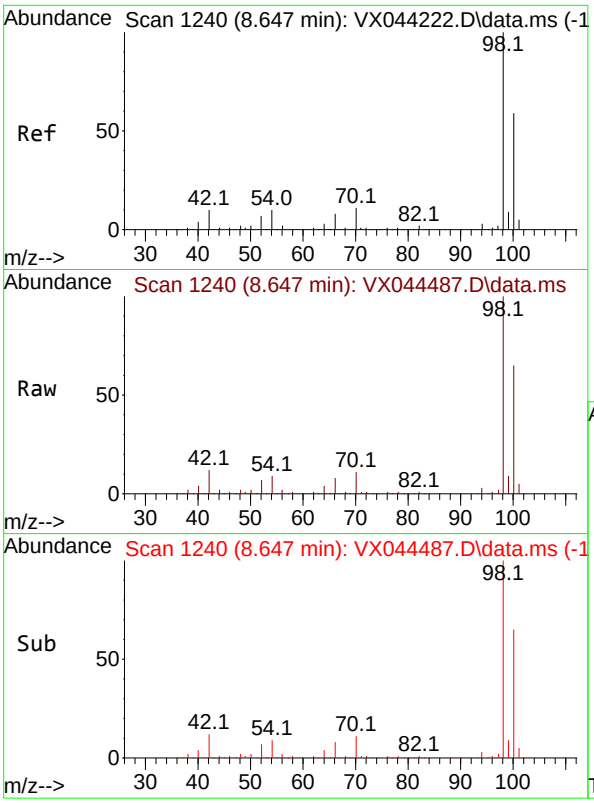




#49
1,4-Dioxane
Concen: 0.557 ug/l
RT: 7.501 min Scan# 1052
Delta R.T. -0.171 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 88 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 27.1 | 40.7# |
| 58 | 0.0 | 41.0 | 61.4# |



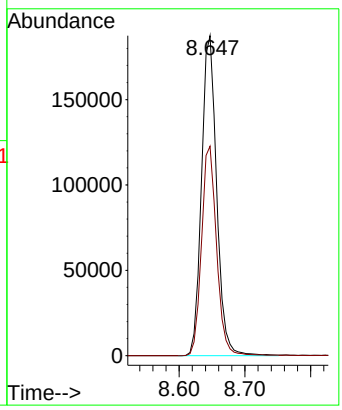


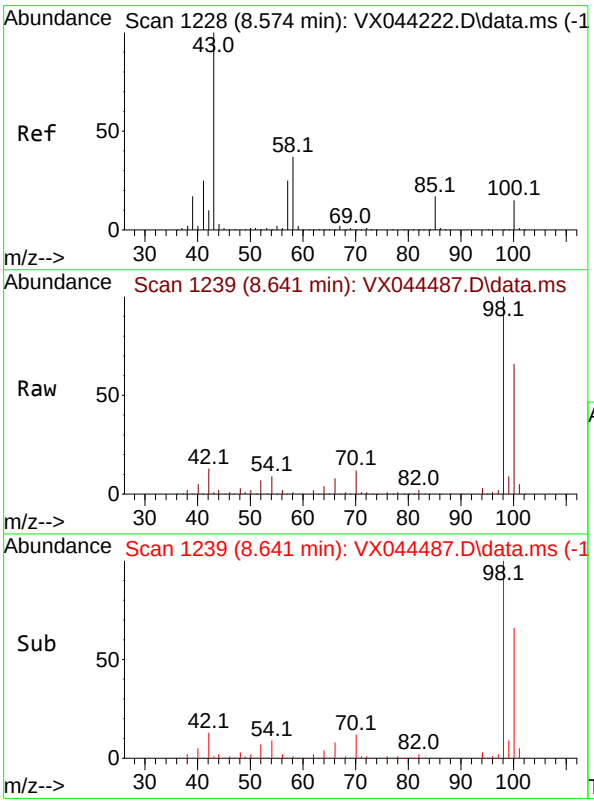

#50
Toluene-d8
Concen: 52.572 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 98 Resp: 300884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 51.5 | 77.3 |

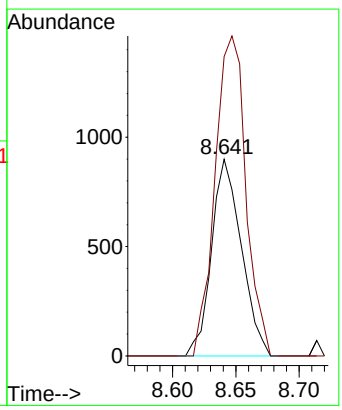


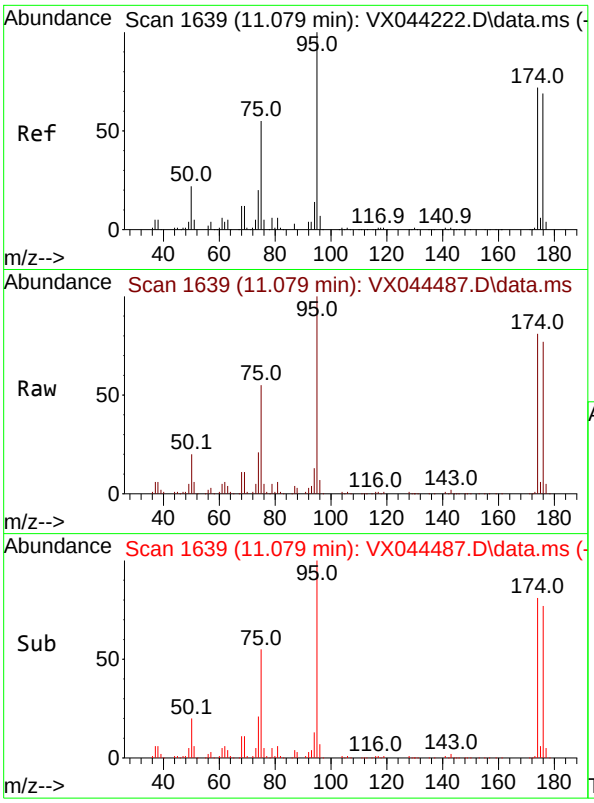




#51
4-Methyl-2-Pentanone
Concen: 0.541 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 43 Resp: 1474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 168.5 | 29.4 | 44.0# |



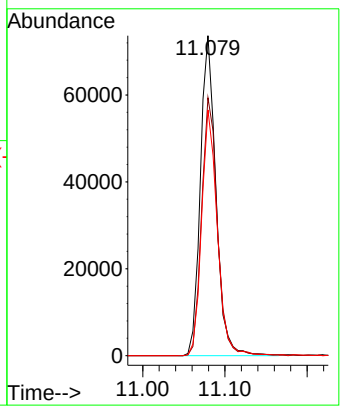


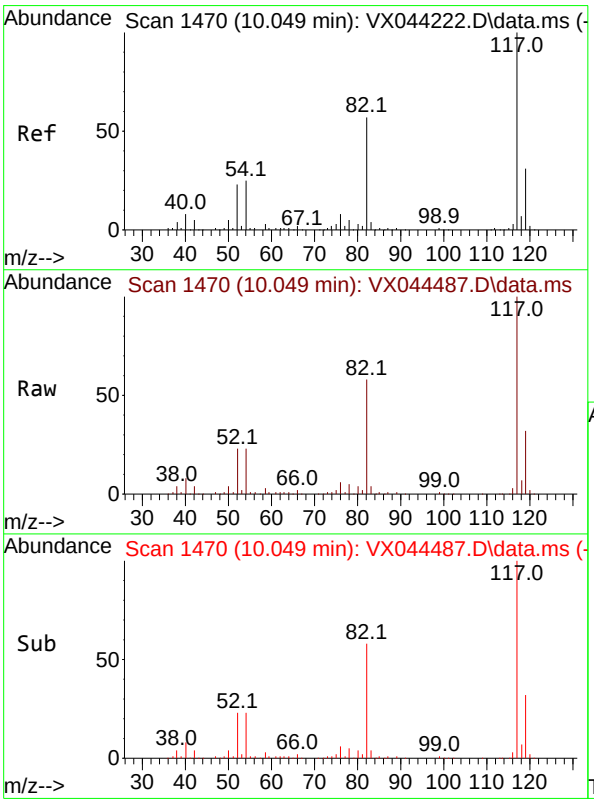

#62
4-Bromofluorobenzene
Concen: 48.423 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 95 Resp: 96839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.0 | 0.0 | 145.8 |
| 176 | 77.6 | 0.0 | 137.8 |

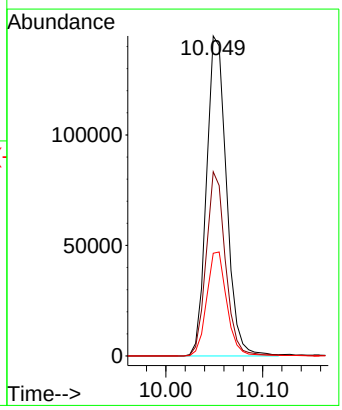


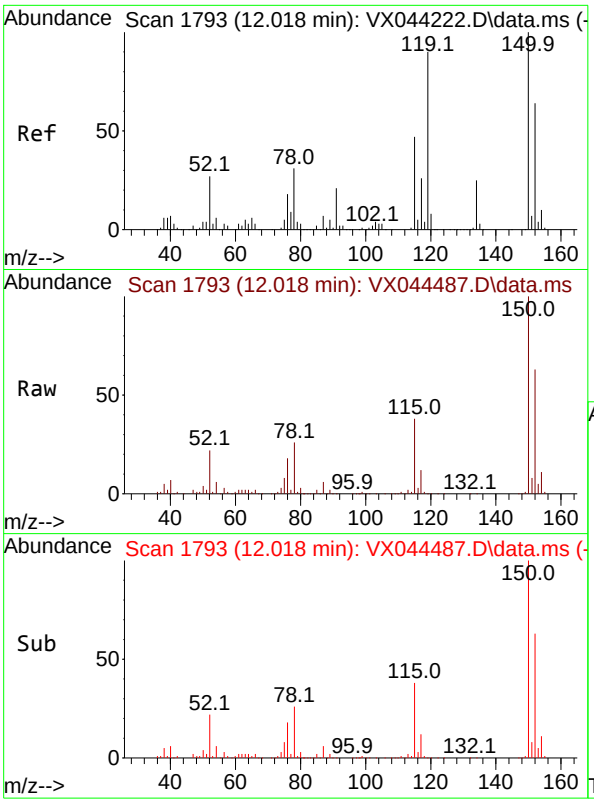




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:117 Resp: 208216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.5 | 45.8 | 68.8 |
| 119 | 32.1 | 25.0 | 37.4 |



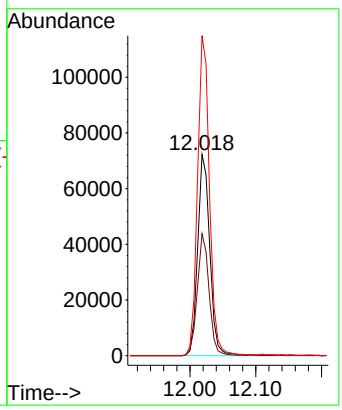


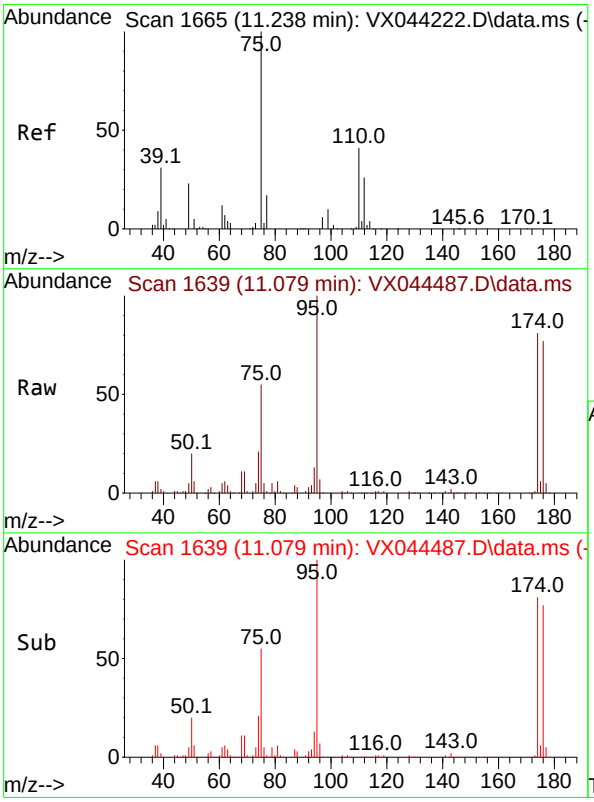

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion:152 Resp: 92708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.8 | 44.5 | 133.3 |
| 150 | 156.6 | 0.0 | 353.8 |

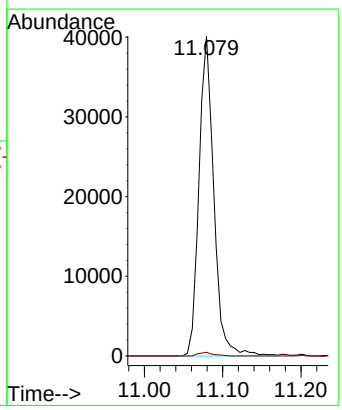


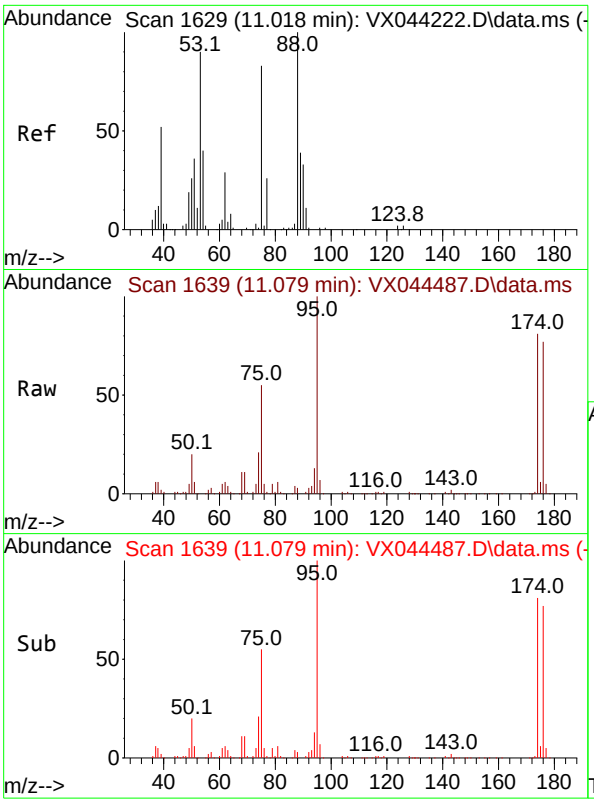




#76
1,2,3-Trichloropropane
Concen: 25.555 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 75 Resp: 52897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 20.9 | 62.7# |



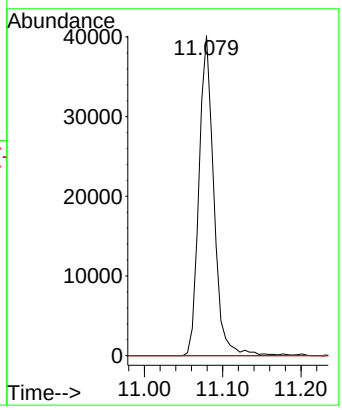



#81
trans-1,4-Dichloro-2-butene
Concen: 70.636 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP-04-20241216

Tgt Ion: 75 Resp: 52897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 93.6 | 140.4# |
| 89 | 0.0 | 37.3 | 55.9# |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044491.D
Acq On : 23 Dec 2024 19:26
Operator : JC/MD
Sample : P5317-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Quant Time: Dec 23 22:16:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 131619 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 231647 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 212925 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 89186 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 100345 | 43.482 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 86.960% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 78978 | 49.227 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.460% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 296413 | 54.763 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 109.520% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 96164 | 50.845 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.680% | | | |
| Target Compounds | | | | | | Qvalue |
| 5) Bromomethane | 1.618 | 94 | 647 | 0.450 | ug/l # | 54 |
| 6) Chloroethane | 1.636 | 64 | 557 | 0.441 | ug/l # | 61 |
| 11) Tert butyl alcohol | 2.940 | 59 | 101 | 0.311 | ug/l # | 71 |
| 16) Acetone | 2.380 | 43 | 710 | 0.755 | ug/l | 92 |
| 29) Tetrahydrofuran | 5.019 | 42 | 2082 | 2.425 | ug/l # | 52 |
| 31) Cyclohexane | 5.550 | 56 | 3101 | 1.245 | ug/l # | 43 |
| 36) 1,1-Dichloropropene | 5.544 | 75 | 10691 | 5.155 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 5.544 | 117 | 13470 | 6.033 | ug/l # | 19 |
| 51) 4-Methyl-2-Pentanone | 8.641 | 43 | 1317 | 0.511 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 11.079 | 75 | 52108 | 26.168 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75 | 52108 | 72.196 | ug/l # | 4 |

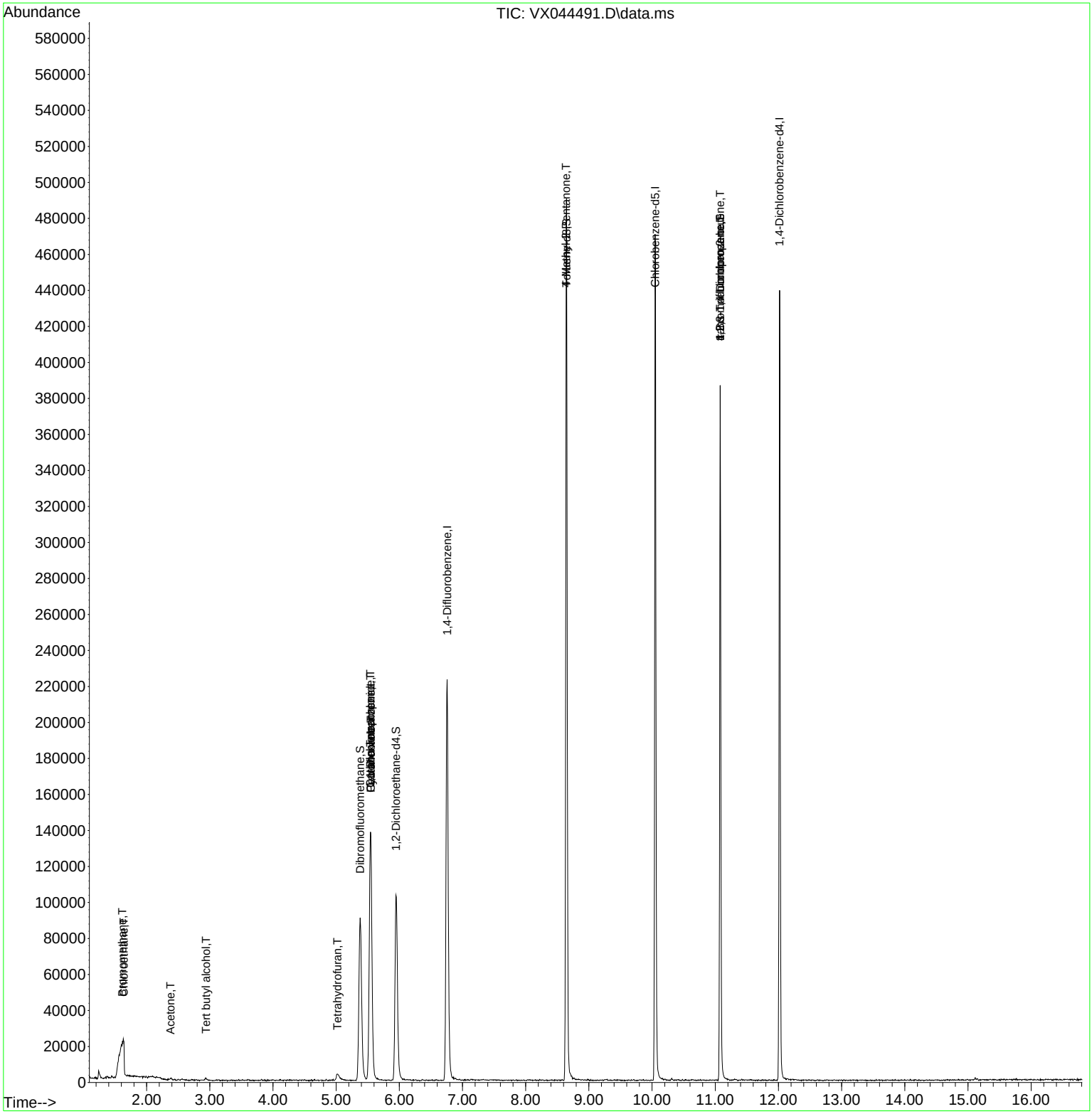
(#) = qualifier out of range (m) = manual integration (+) = signals summed

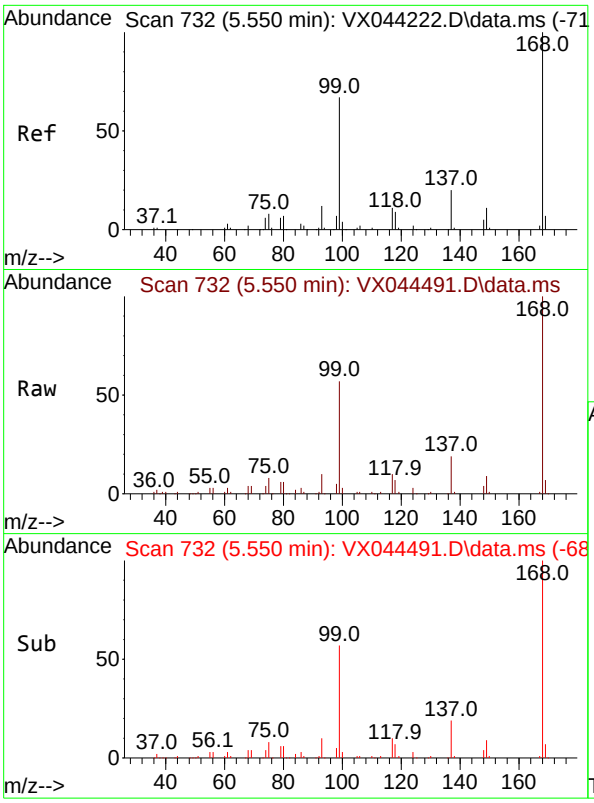
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044491.D
Acq On : 23 Dec 2024 19:26
Operator : JC/MD
Sample : P5317-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Quant Time: Dec 23 22:16:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



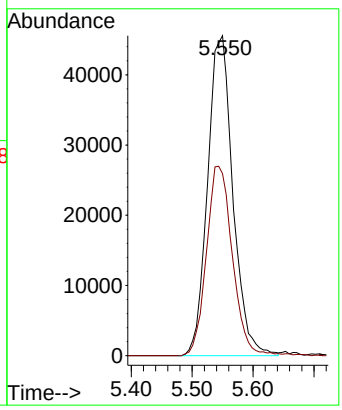


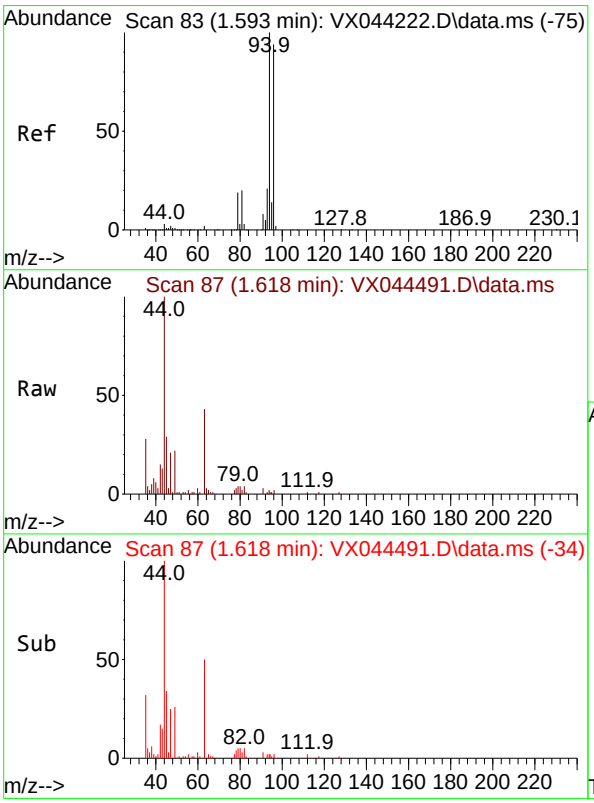

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion:168 Resp: 131619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.9 | 53.4 | 80.0 |

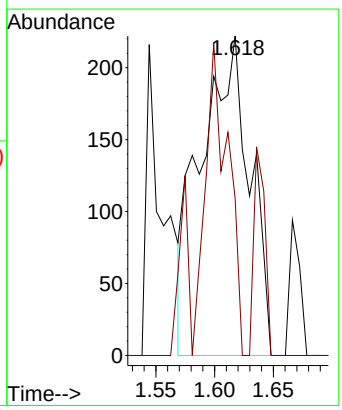


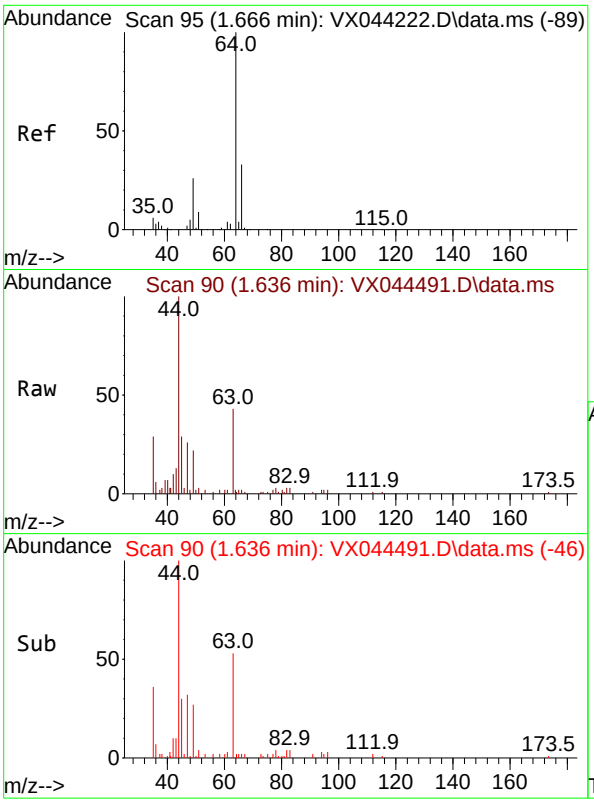




#5
Bromomethane
Concen: 0.450 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.024 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion: 94 Resp: 647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 49.1 | 74.9 | 112.3# |



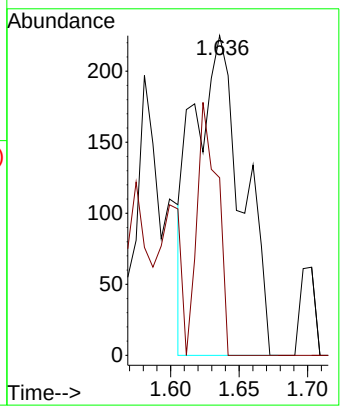


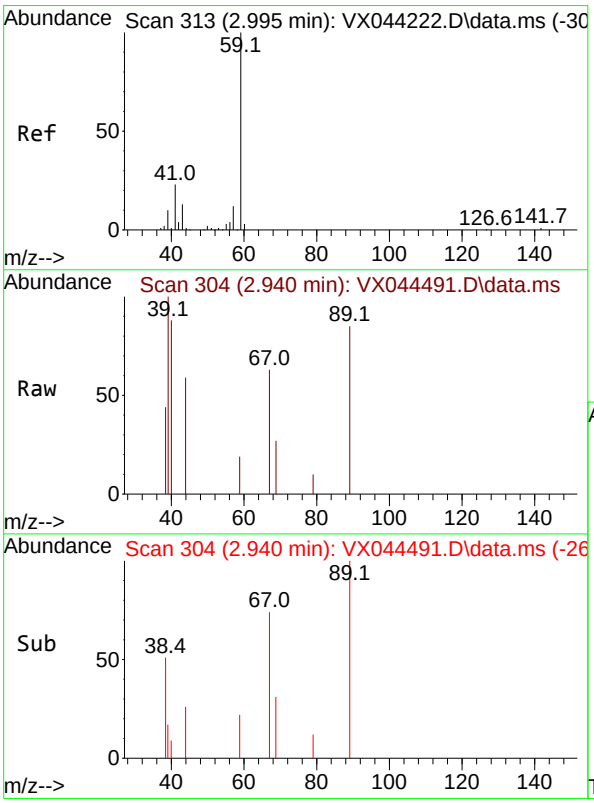

#6
Chloroethane
Concen: 0.441 ug/l
RT: 1.636 min Scan# 9
Delta R.T. -0.031 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion: 64 Resp: 557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 55.6 | 26.6 | 39.8# |

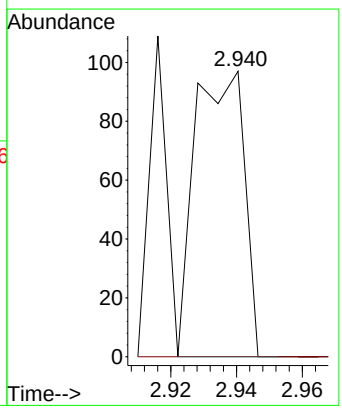


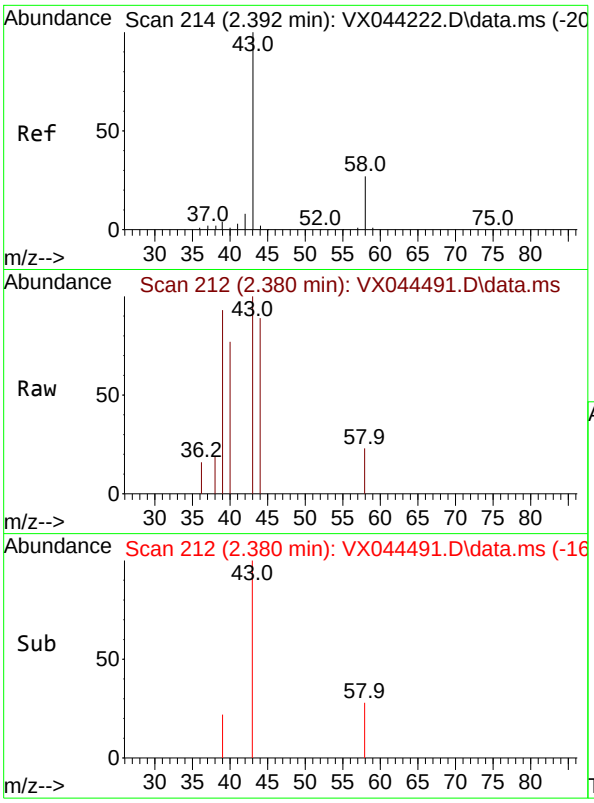




#11
Tert butyl alcohol
Concen: 0.311 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion: 59 Resp: 101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |



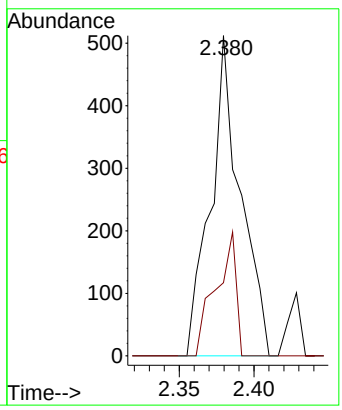


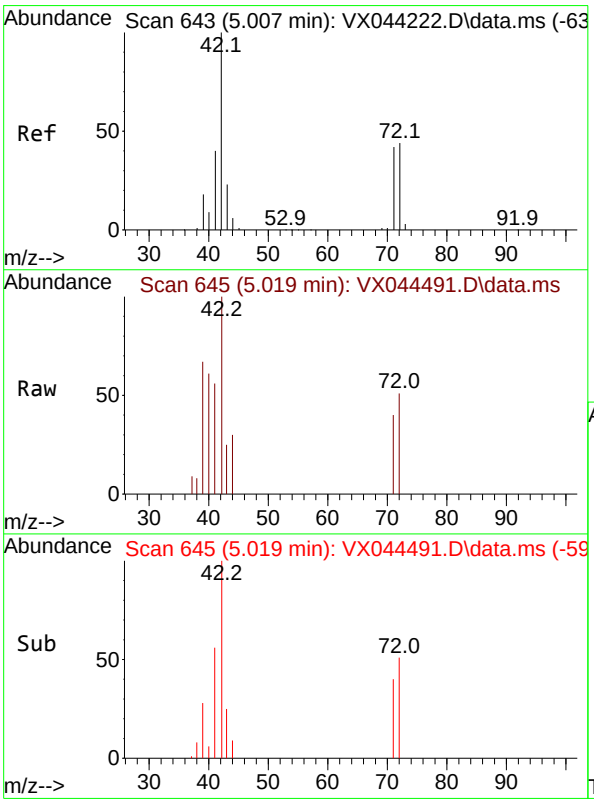

#16
Acetone
Concen: 0.755 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion: 43 Resp: 710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.9 | 21.6 | 32.4 |

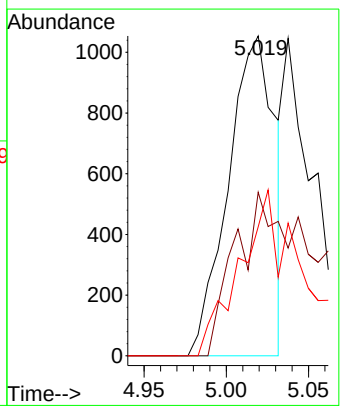


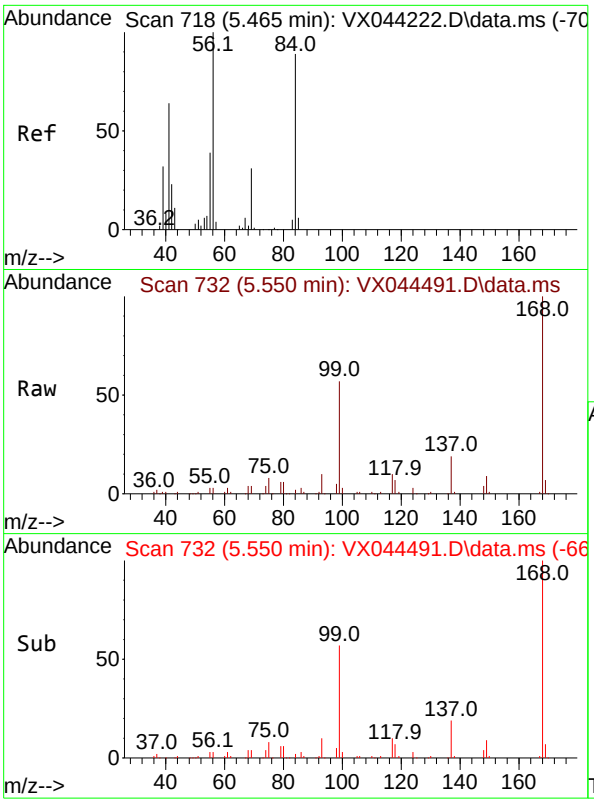




#29
Tetrahydrofuran
Concen: 2.425 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.012 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion: 42 Resp: 2082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 85.1 | 37.0 | 55.6# |
| 71 | 65.7 | 33.6 | 50.4# |



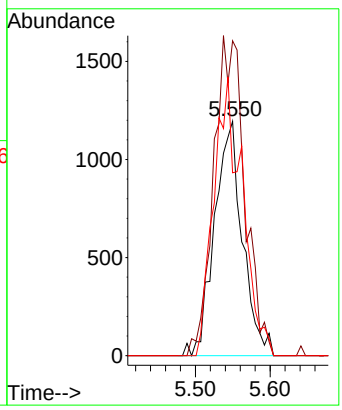


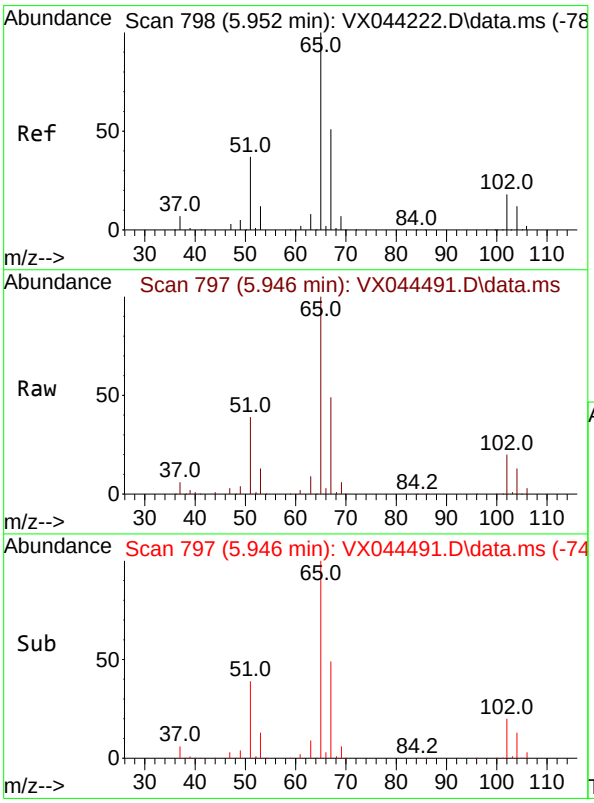

#31
Cyclohexane
Concen: 1.245 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.085 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion: 56 Resp: 3101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 134.3 | 24.7 | 37.1# |
| 84 | 78.0 | 71.0 | 106.6 |

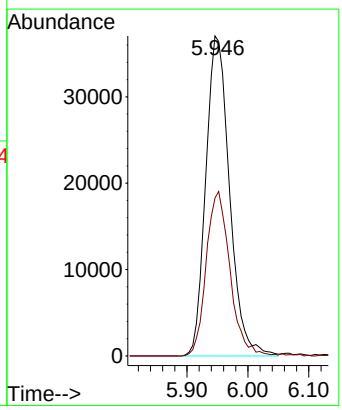


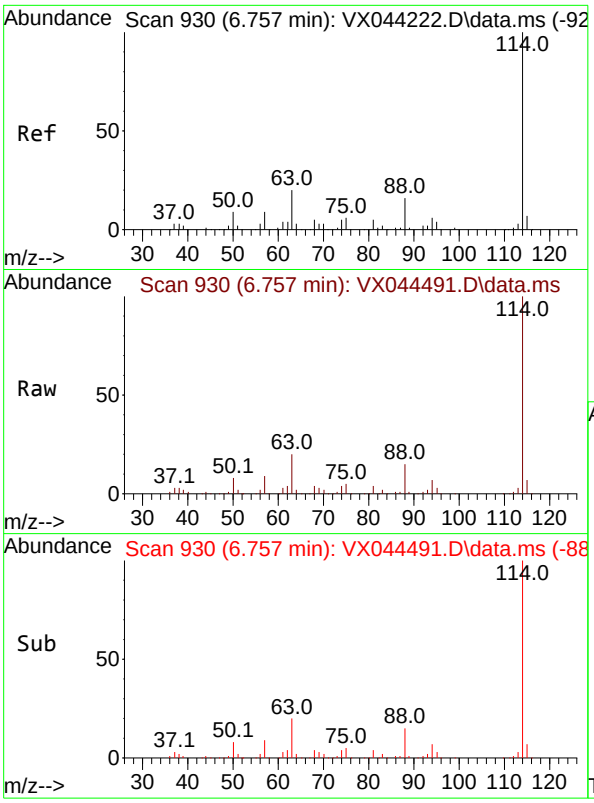




#33
1,2-Dichloroethane-d4
Concen: 43.482 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion: 65 Resp: 100345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 101.6 |



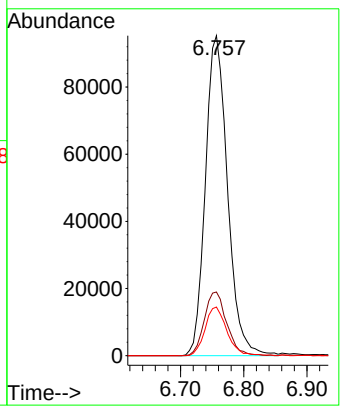


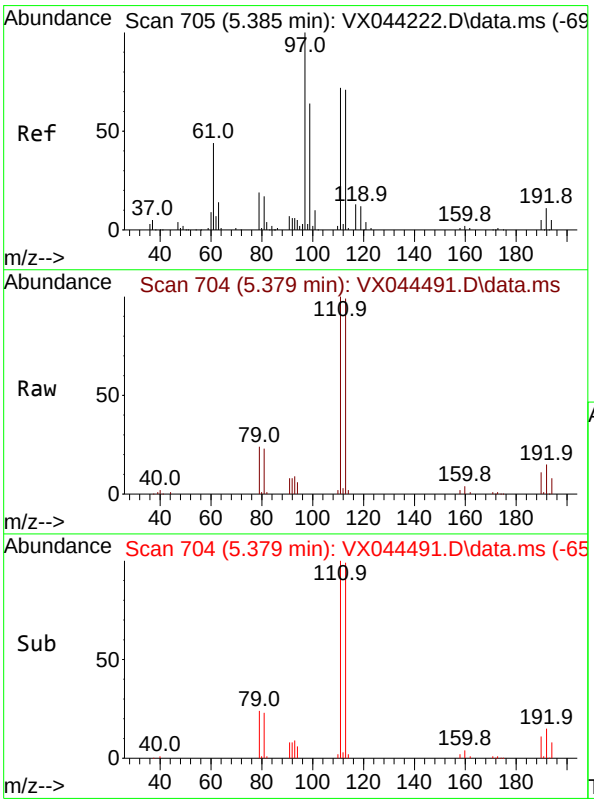

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion:114 Resp: 231647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 40.6 |
| 88 | 15.2 | 0.0 | 31.8 |

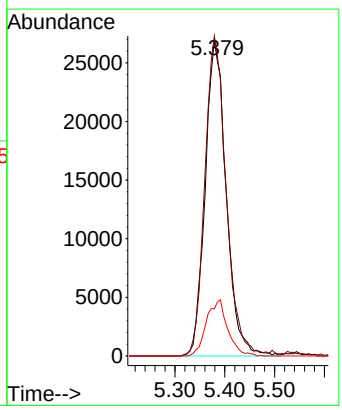


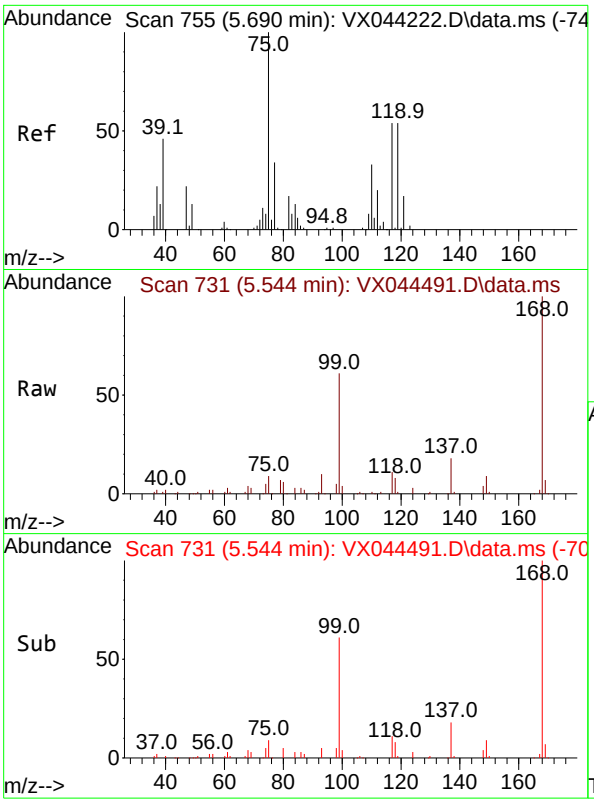




#35
Dibromofluoromethane
Concen: 49.227 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion:113 Resp: 78978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 80.4 | 120.6 |
| 192 | 18.0 | 13.3 | 19.9 |



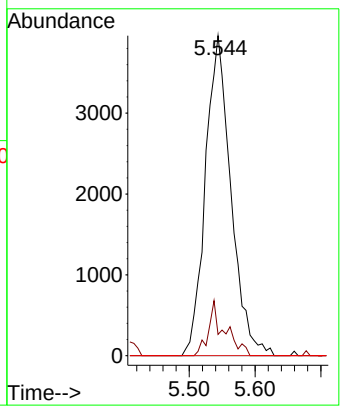


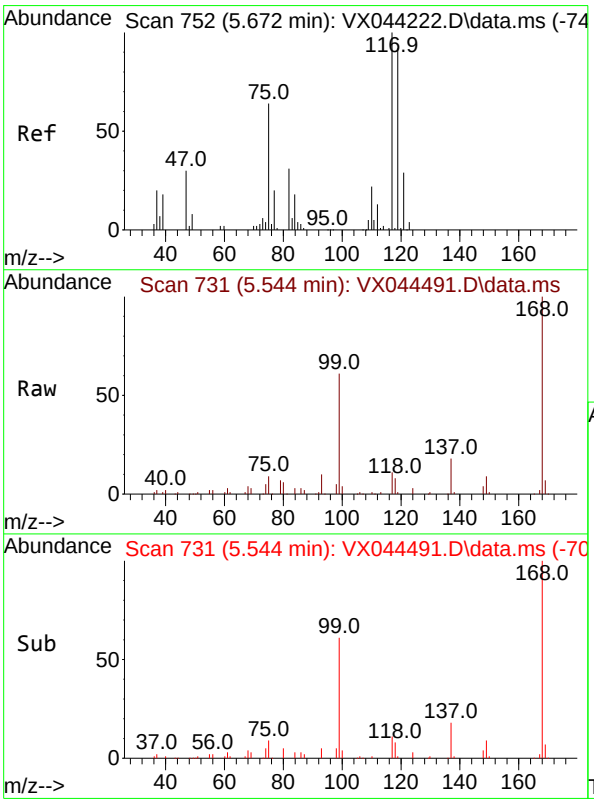

#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.146 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion: 75 Resp: 10691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.9 | 17.3 | 51.7# |
| 77 | 0.0 | 25.4 | 38.0# |

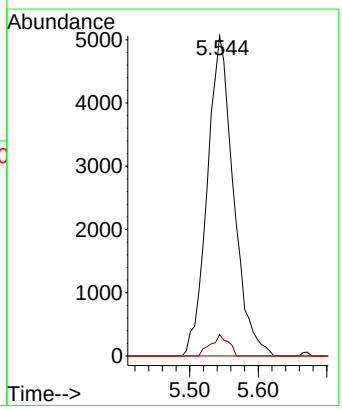


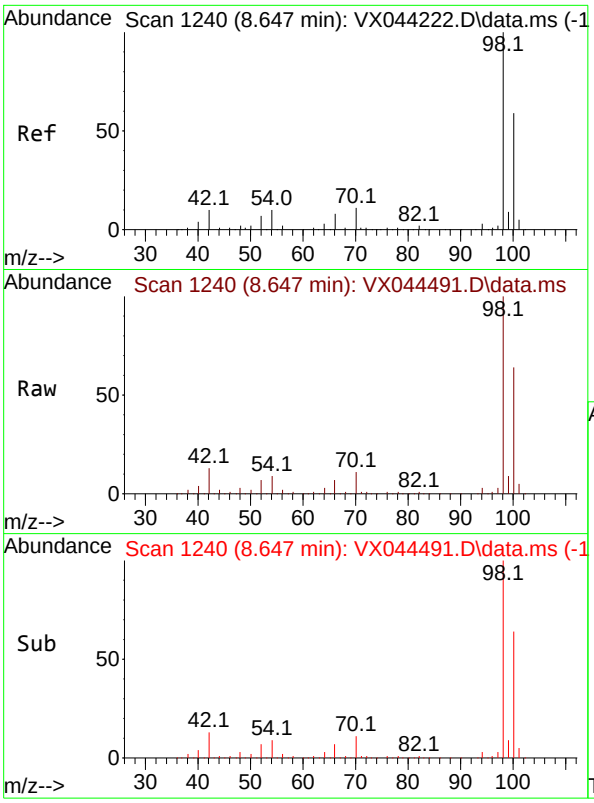




#38
Carbon Tetrachloride
Concen: 6.033 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion:117 Resp: 13470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.7 | 74.2 | 111.4# |
| 121 | 0.0 | 23.0 | 34.6# |



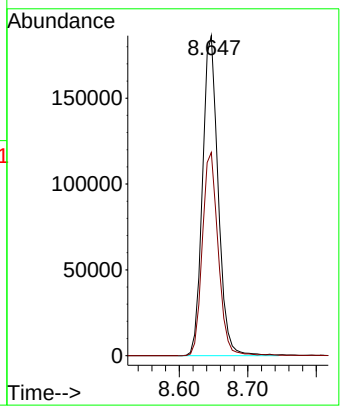


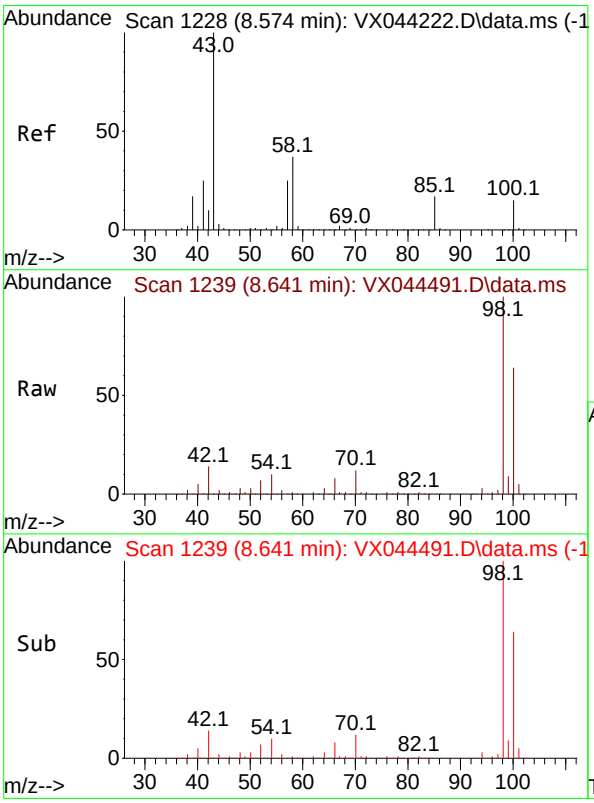

#50
Toluene-d8
Concen: 54.763 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion: 98 Resp: 296413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.5 | 51.5 | 77.3 |

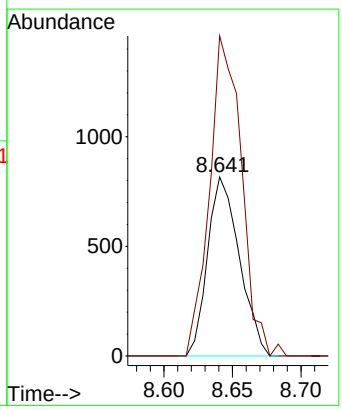


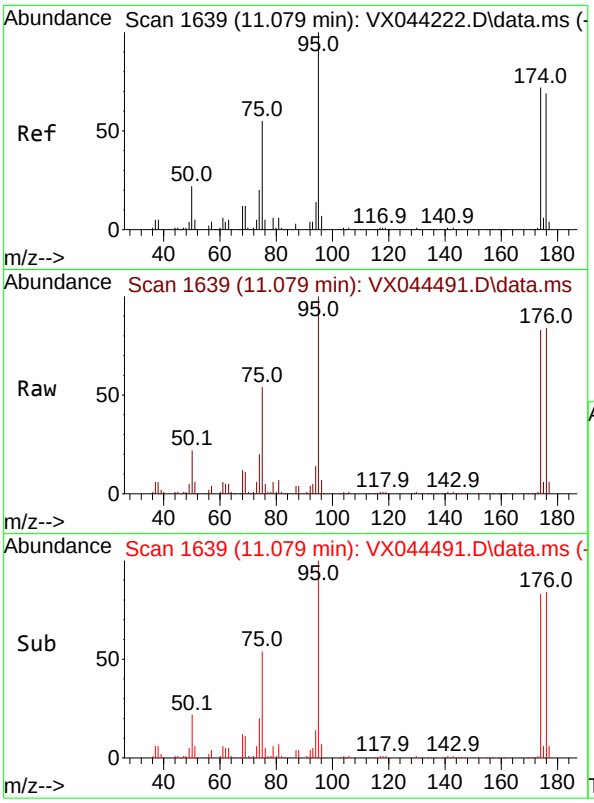




#51
4-Methyl-2-Pentanone
Concen: 0.511 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion: 43 Resp: 1317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 180.3 | 29.4 | 44.0# |



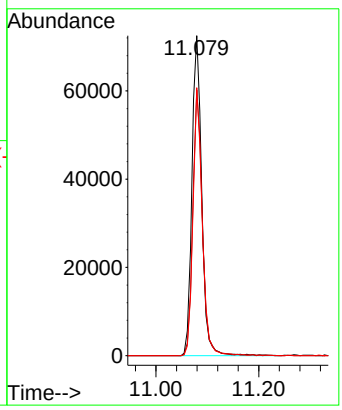


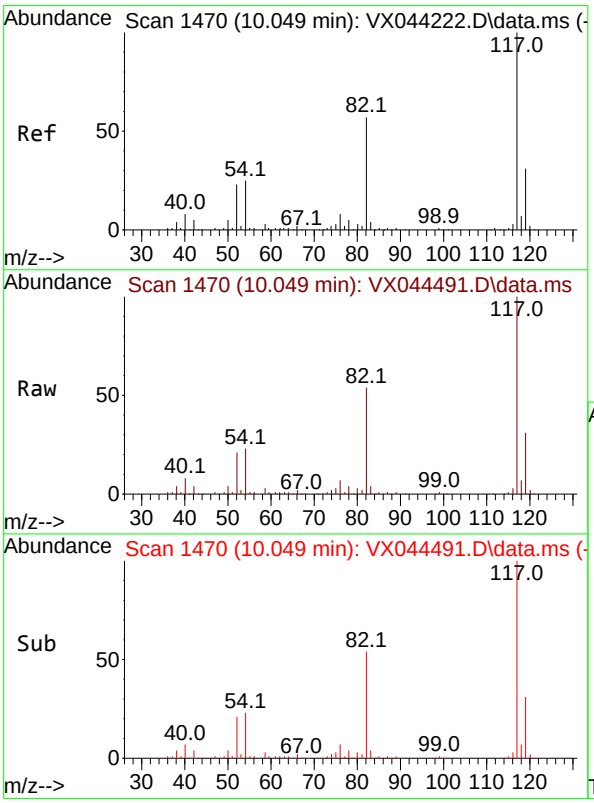

#62
4-Bromofluorobenzene
Concen: 50.845 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion: 95 Resp: 96164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.9 | 0.0 | 145.8 |
| 176 | 79.2 | 0.0 | 137.8 |

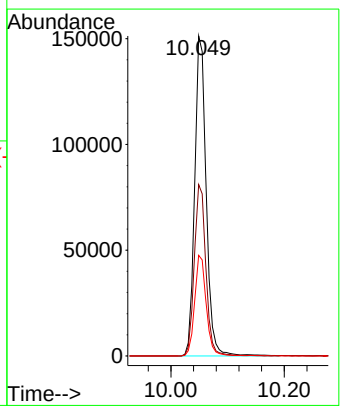


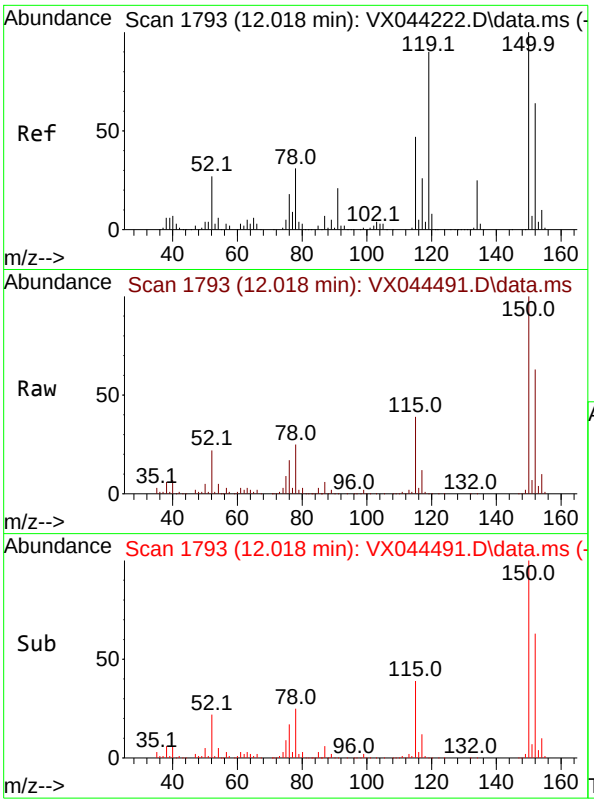




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion:117 Resp: 212925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.6 | 45.8 | 68.8 |
| 119 | 31.4 | 25.0 | 37.4 |



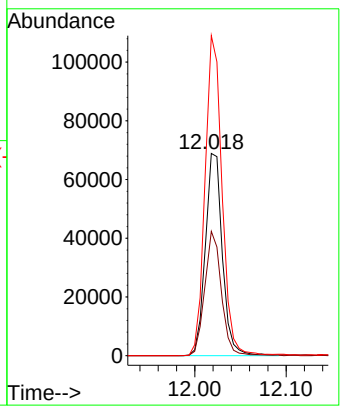


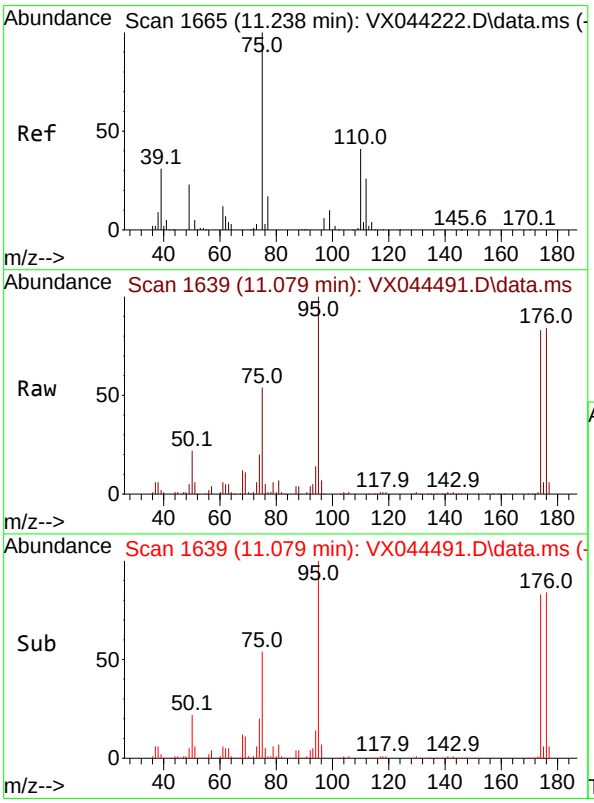

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion:152 Resp: 89186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.0 | 44.5 | 133.3 |
| 150 | 157.0 | 0.0 | 353.8 |

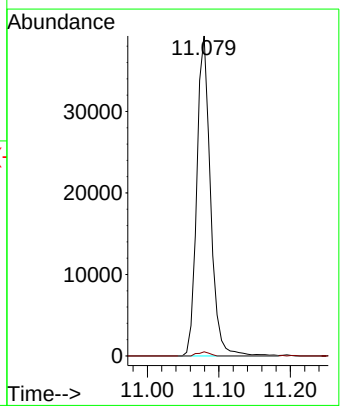


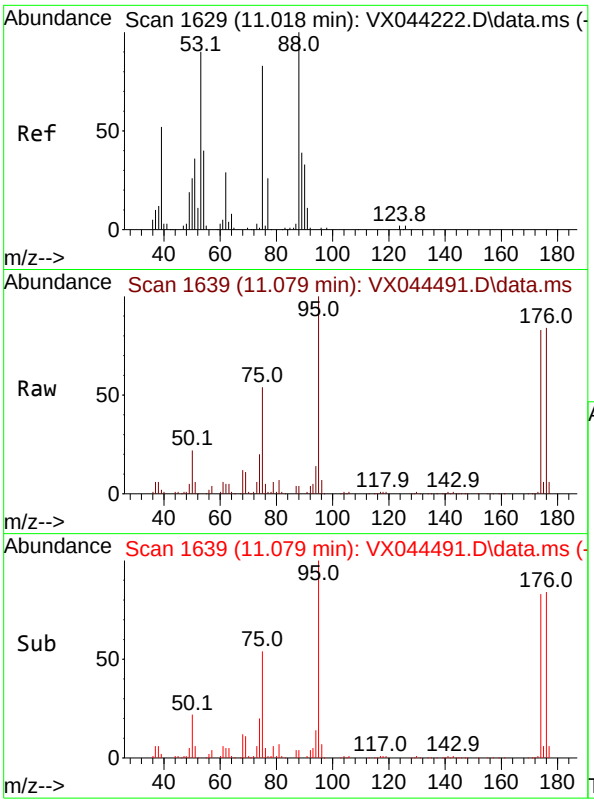




#76
1,2,3-Trichloropropane
Concen: 26.168 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

Tgt Ion: 75 Resp: 52108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 20.9 | 62.7# |



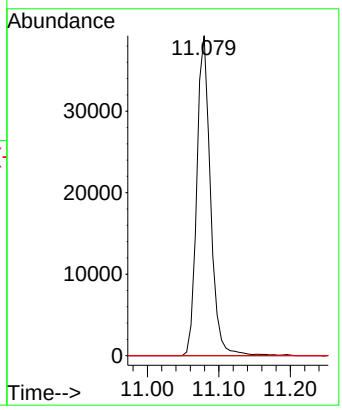



#81
trans-1,4-Dichloro-2-butene
Concen: 72.196 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044491.D
Acq: 23 Dec 2024 19:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D3-20241217

Tgt Ion: 75 Resp: 52108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 93.6 | 140.4# |
| 89 | 0.0 | 37.3 | 55.9# |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 142062 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 233398 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 200491 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 97321 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 91340 | 36.671 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 73.340%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 73837 | 45.677 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 91.360% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 242389 | 44.446 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 88.900% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 83671 | 43.908 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 87.820% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 99403 | 45.252 | ug/l | 99 |
| 3) Chloromethane | 1.295 | 50 | 96315 | 45.851 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 97827 | 44.703 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 66434 | 42.791 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 62749 | 46.048 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 151860 | 35.446 | ug/l | 98 |
| 8) Diethyl Ether | 2.130 | 74 | 57535 | 39.343 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 78265 | 45.146 | ug/l | 92 |
| 10) Methyl Iodide | 2.447 | 142 | 114488 | 50.107 | ug/l | 94 |
| 11) Tert butyl alcohol | 2.996 | 59 | 70521 | 200.889 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.313 | 96 | 75484 | 47.404 | ug/l | 91 |
| 13) Acrolein | 2.233 | 56 | 92120 | 181.285 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 118303 | 44.605 | ug/l | 98 |
| 15) Acrylonitrile | 3.063 | 53 | 200626 | 206.319 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 178267 | 175.552 | ug/l | 97 |
| 17) Carbon Disulfide | 2.508 | 76 | 139644 | 46.135 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 104075 | 39.750 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 262040 | 42.170 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 88543 | 46.423 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 77251 | 45.648 | ug/l | 93 |
| 22) Diisopropyl ether | 3.758 | 45 | 259272 | 43.412 | ug/l | 95 |
| 23) Vinyl Acetate | 3.715 | 43 | 1084781 | 223.409 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 150456 | 45.194 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 271591 | 188.131 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 119970 | 44.358 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 96440 | 44.871 | ug/l | 95 |
| 28) Bromochloromethane | 4.892 | 49 | 64763 | 39.671 | ug/l | 94 |
| 29) Tetrahydrofuran | 5.001 | 42 | 173821 | 187.586 | ug/l | 98 |
| 30) Chloroform | 5.093 | 83 | 162393 | 43.416 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 115044 | 42.794 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 140086 | 45.118 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 101604 | 48.625 | ug/l | 98 |
| 37) Ethyl Acetate | 4.715 | 43 | 109126 | 42.249 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 111385 | 49.513 | ug/l | 98 |
| 39) Methylcyclohexane | 7.373 | 83 | 125247 | 50.139 | ug/l | 96 |
| 40) Benzene | 6.032 | 78 | 325004 | 51.229 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 58306 | 42.511 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 124536 | 47.653 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.336 | 43 | 177770 | 44.034 | ug/l | | 97 |
| 44) Trichloroethene | 7.117 | 130 | 82827 | 52.353 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 82109 | 50.659 | ug/l | | 99 |
| 46) Dibromomethane | 7.580 | 93 | 64127 | 50.998 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.818 | 83 | 114072 | 52.527 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 85907 | 43.837 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 31930 | 982.728 | ug/l | | 92 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 556283 | 214.305 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 201289 | 50.524 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 109547 | 47.186 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 123531 | 52.242 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 80941 | 51.140 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 118479 | 47.418 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 134913 | 48.972 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 263448 | 209.048 | ug/l | | 98 |
| 59) 2-Hexanone | 9.427 | 43 | 403537 | 214.776 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 81910 | 48.943 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 83250 | 51.675 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.269 | 164 | 72600 | 54.558 | ug/l | | 96 |
| 65) Chlorobenzene | 10.080 | 112 | 221119 | 51.470 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 75407 | 54.615 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 376573 | 50.731 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 286106 | 105.040 | ug/l | | 94 |
| 69) o-Xylene | 10.640 | 106 | 142004 | 51.527 | ug/l | | 94 |
| 70) Styrene | 10.653 | 104 | 236734 | 53.584 | ug/l | | 95 |
| 71) Bromoform | 10.799 | 173 | 49054 | 50.746 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.958 | 105 | 362803 | 48.696 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 152291 | 44.229 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 118300 | 45.716 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 122464 | 56.359 | ug/l | | 84 |
| 77) Bromobenzene | 11.195 | 156 | 91156 | 50.455 | ug/l | | 94 |
| 78) n-propylbenzene | 11.299 | 91 | 412127 | 50.048 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 251412 | 47.209 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.445 | 105 | 300384 | 48.618 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 30857 | 41.730 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 283625 | 48.094 | ug/l | | 97 |
| 83) tert-Butylbenzene | 11.713 | 119 | 306541 | 50.203 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 305617 | 50.368 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 367512 | 49.579 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 309480 | 50.162 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 162721 | 51.562 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 163225 | 50.314 | ug/l | | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 259880 | 50.094 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 46945 | 52.126 | ug/l | | 91 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 162236 | 49.511 | ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 21028 | 41.860 | ug/l | | 88 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 97256 | 54.137 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 40220 | 55.660 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 321843 | 45.897 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 99323 | 52.126 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

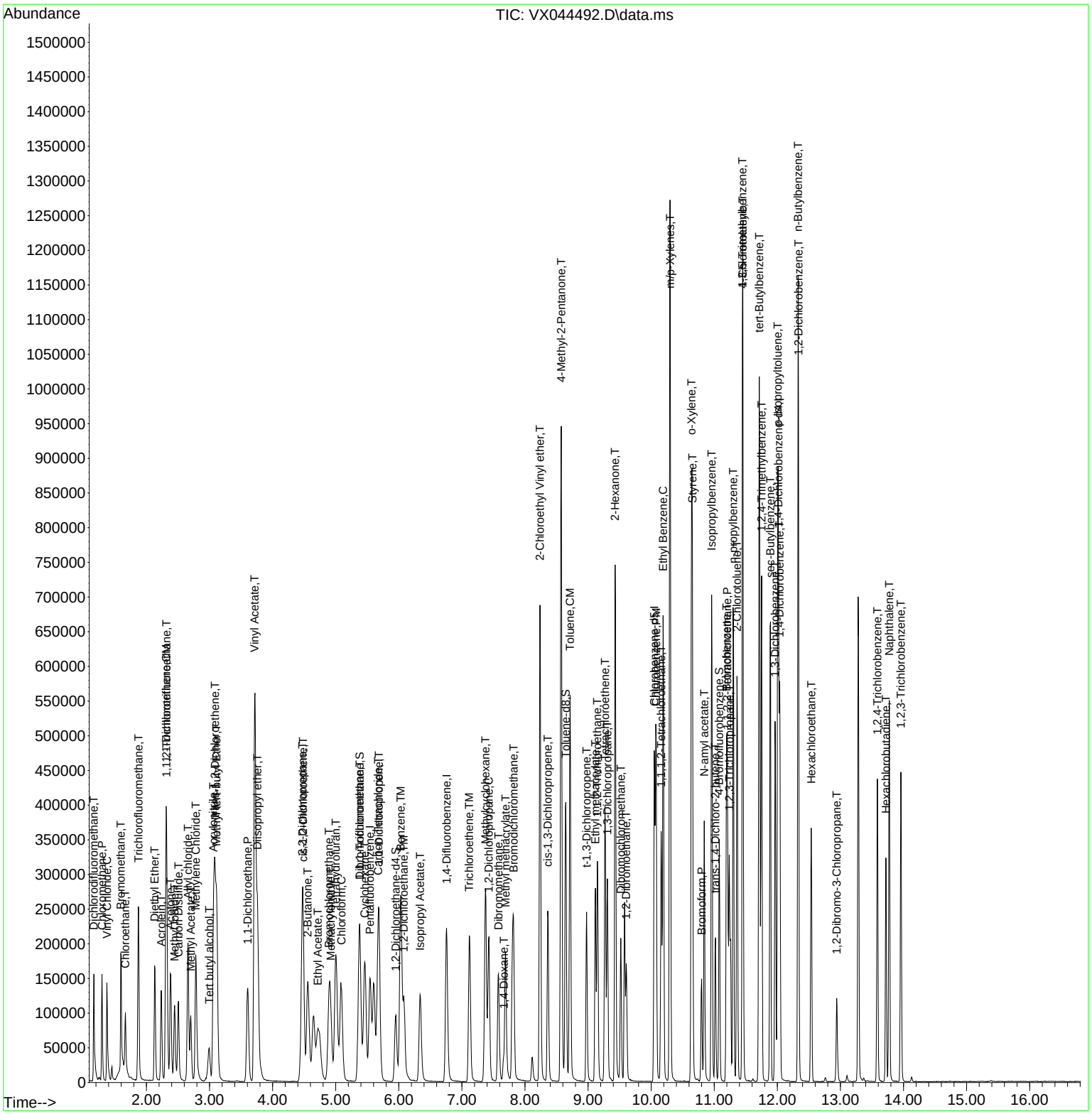
(#) = qualifier out of range (m) = manual integration (+) = signals summed

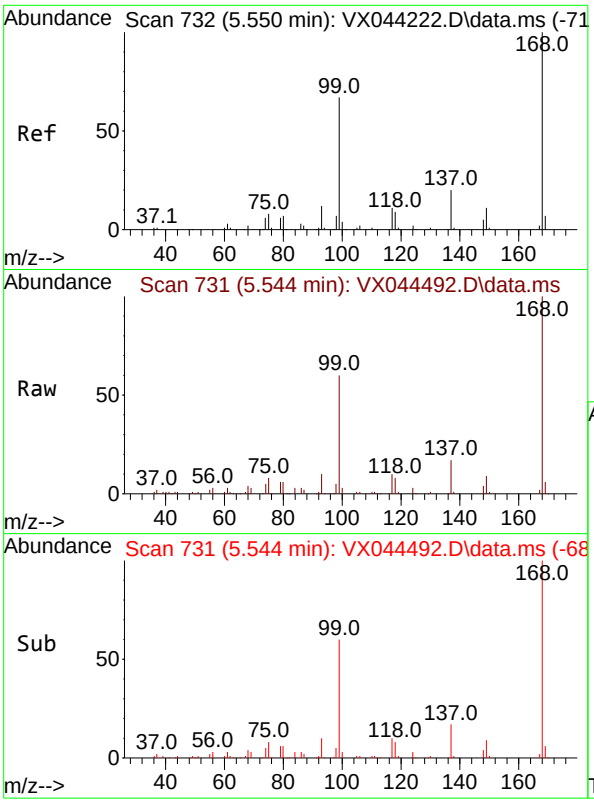
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
Data File : VX044492.D
Acq On : 23 Dec 2024 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 23 22:16:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



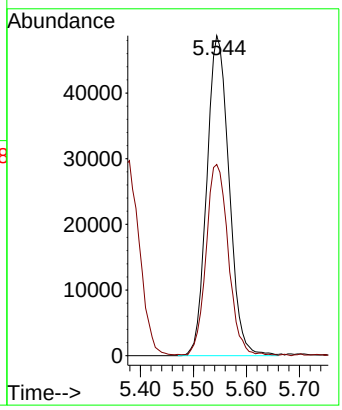


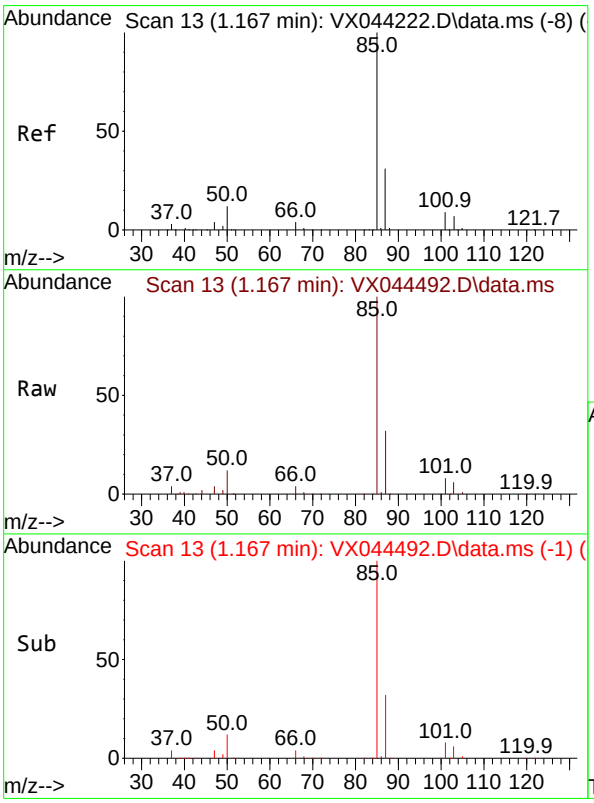

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 142062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.6 | 53.4 | 80.0 |

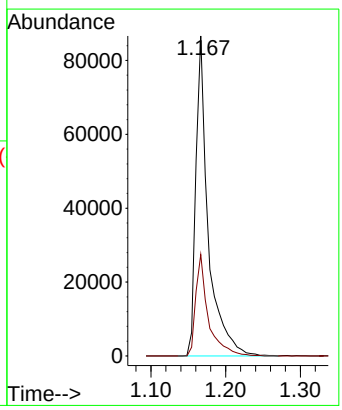


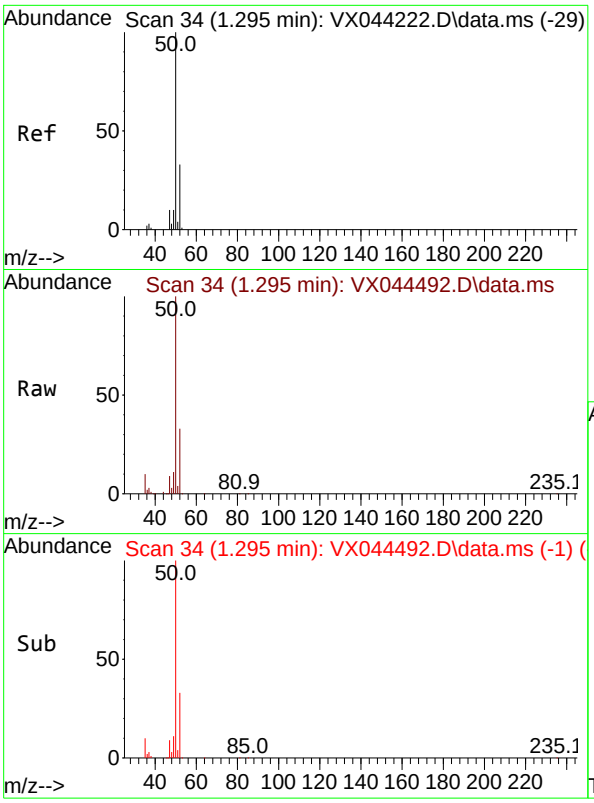




#2
Dichlorodifluoromethane
Concen: 45.252 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 85 Resp: 99403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.4 | 46.4 |



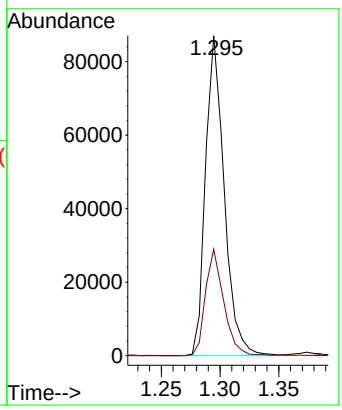


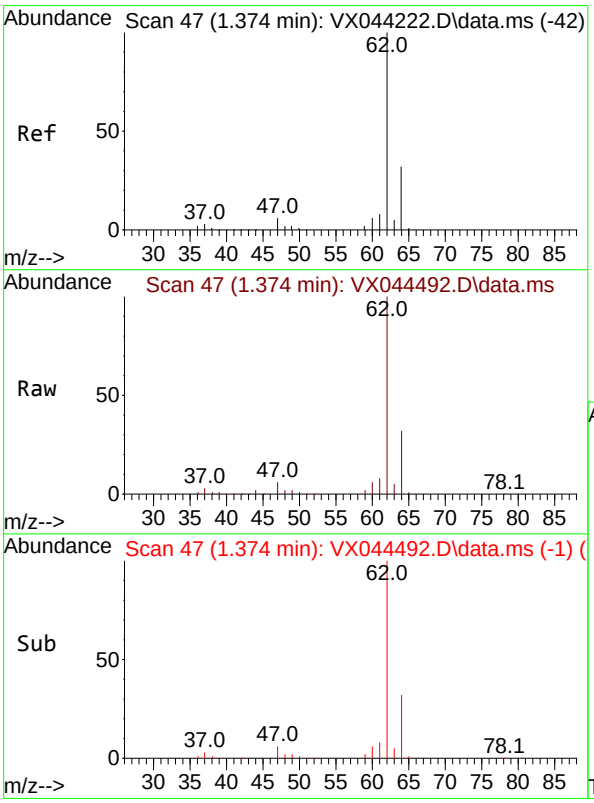

#3
Chloromethane
Concen: 45.851 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 96315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.3 | 26.5 | 39.7 |

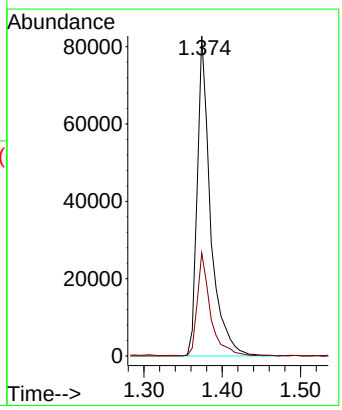


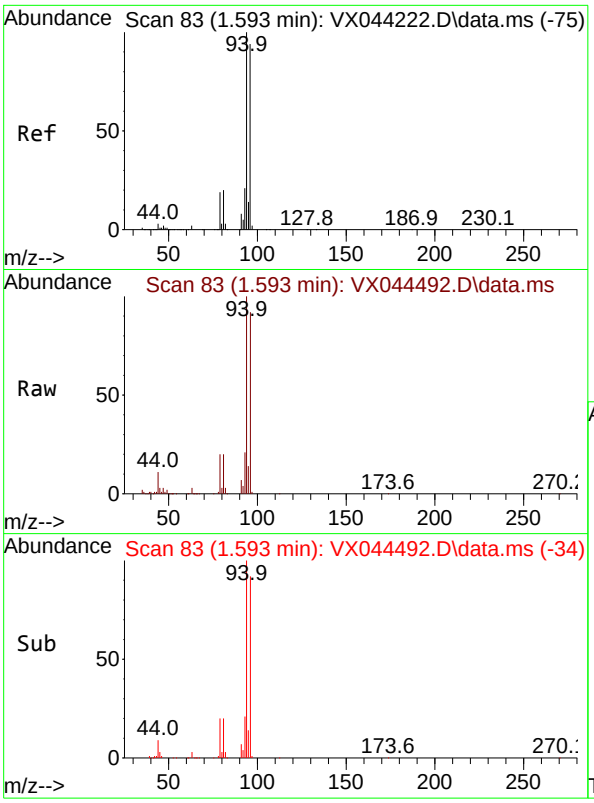




#4
Vinyl Chloride
Concen: 44.703 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 62 Resp: 97827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.2 | 25.7 | 38.5 |



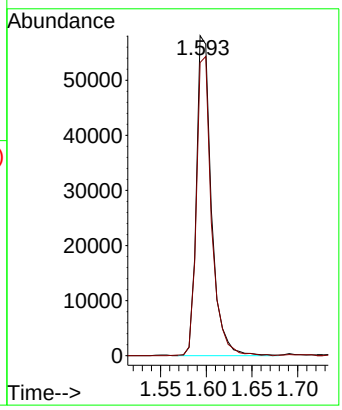


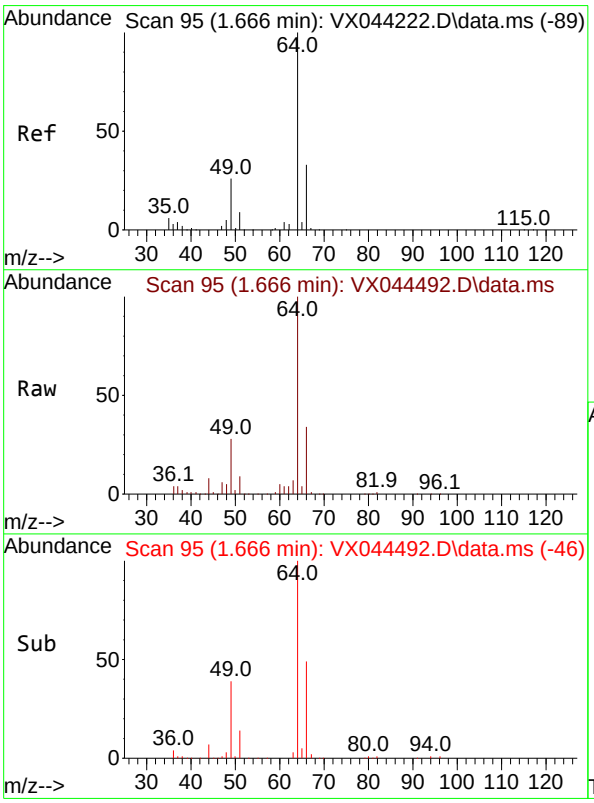

#5
Bromomethane
Concen: 42.791 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 66434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.4 | 74.9 | 112.3 |

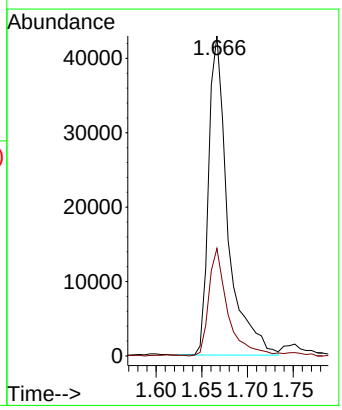


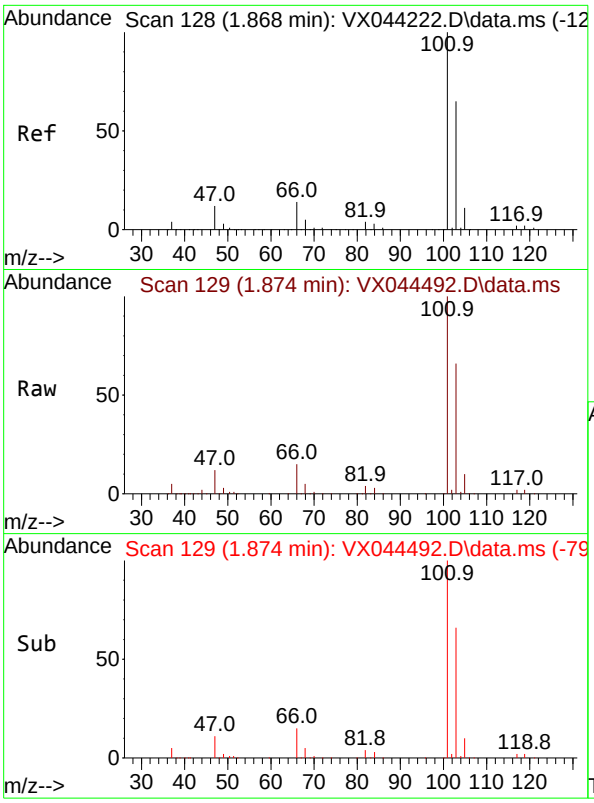




#6
Chloroethane
Concen: 46.048 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 64 Resp: 62749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.5 | 26.6 | 39.8 |



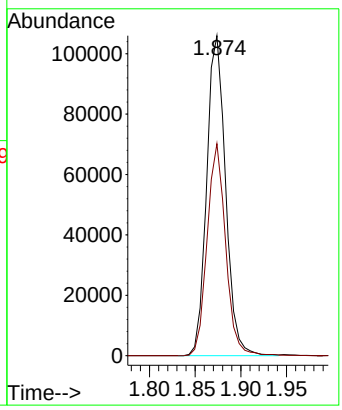


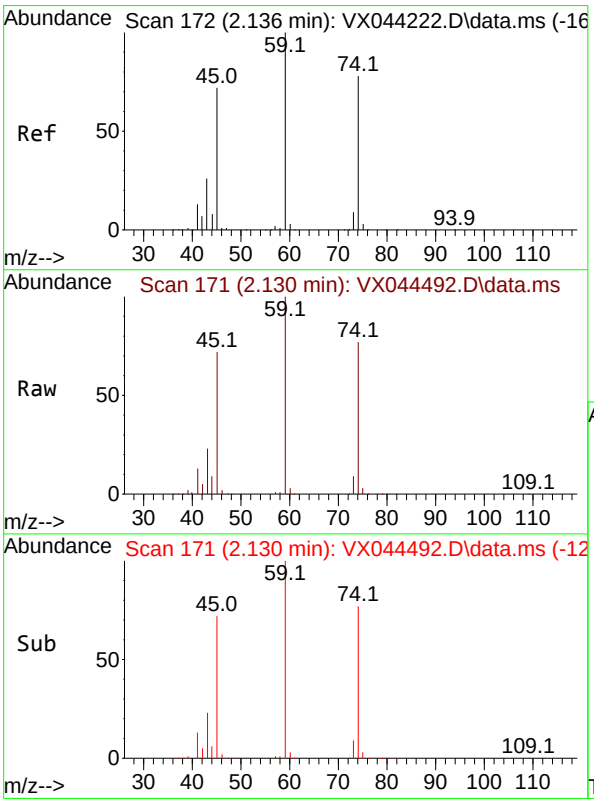

#7
Trichlorofluoromethane
Concen: 35.446 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 151860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.2 | 51.8 | 77.8 |

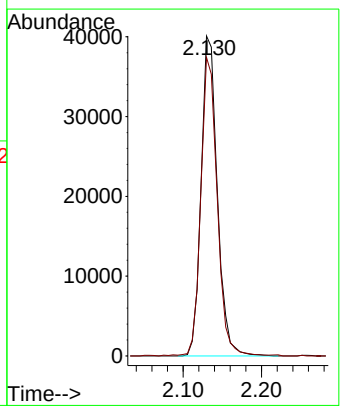


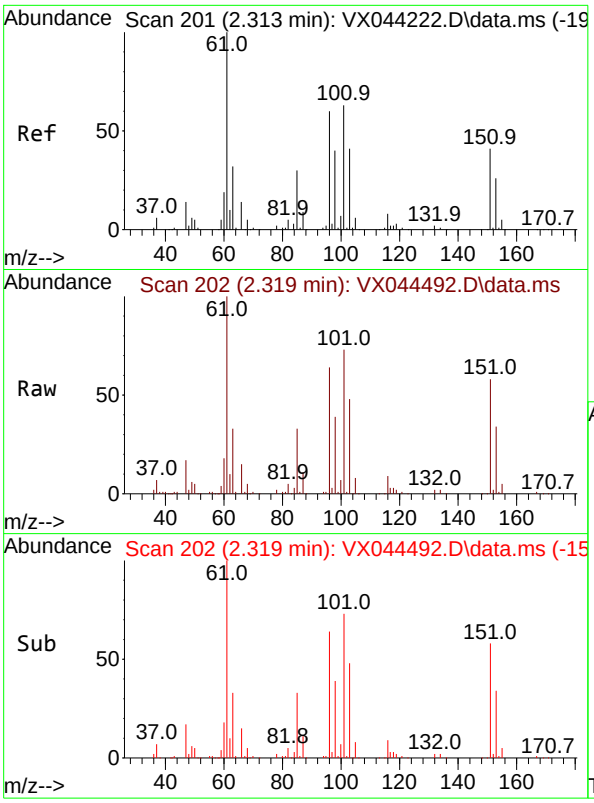




#8
Diethyl Ether
Concen: 39.343 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 74 Resp: 57535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 94.4 | 48.4 | 145.0 |



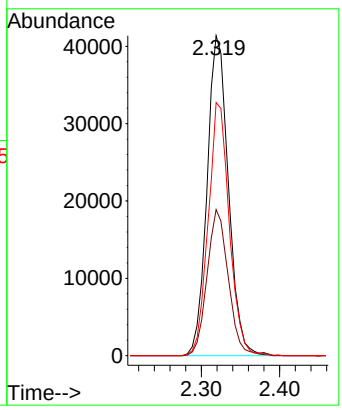


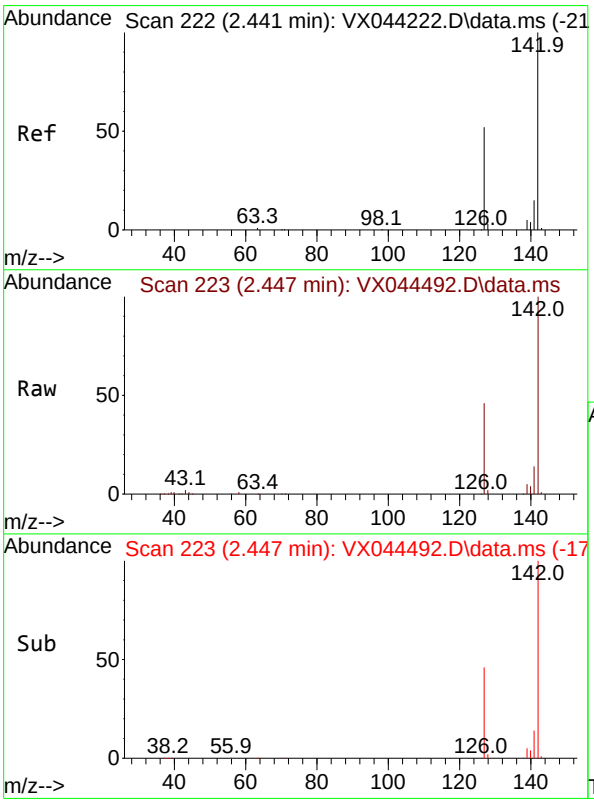

#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.146 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 78265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.3 | 38.5 | 57.7 |
| 151 | 78.3 | 55.8 | 83.6 |

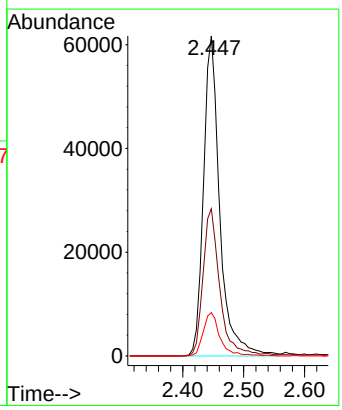


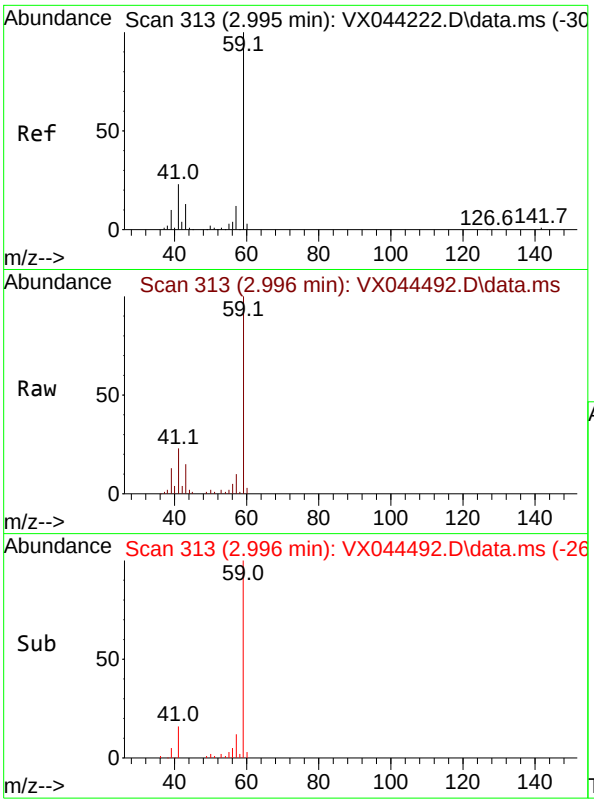




#10
Methyl Iodide
Concen: 50.107 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:142 Resp: 114488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.2 | 41.8 | 62.8 |
| 141 | 14.1 | 11.5 | 17.3 |



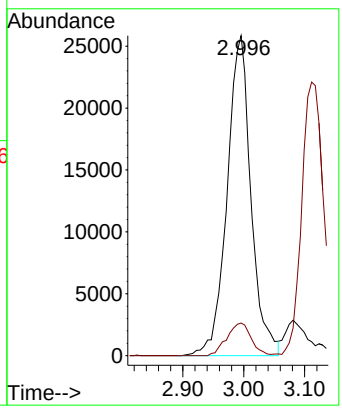


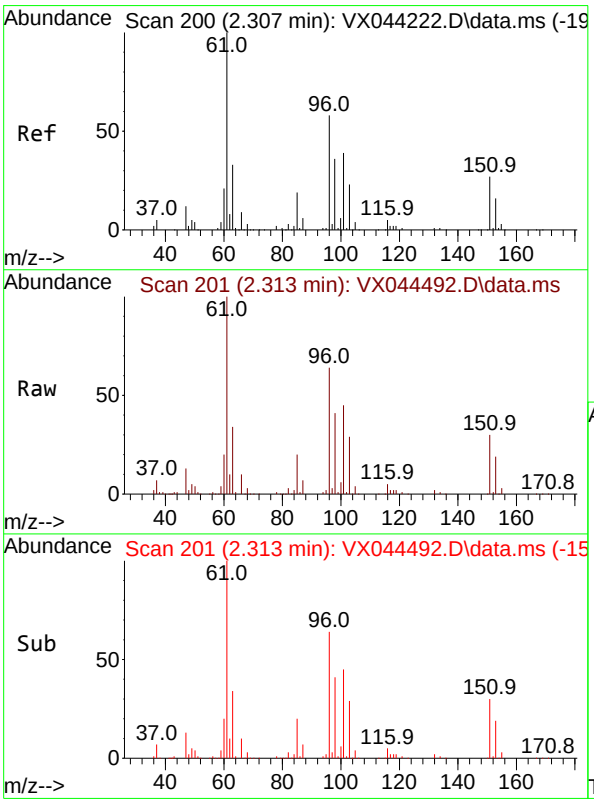

#11
Tert butyl alcohol
Concen: 200.889 ug/l
RT: 2.996 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 70521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.8 | 13.2 |

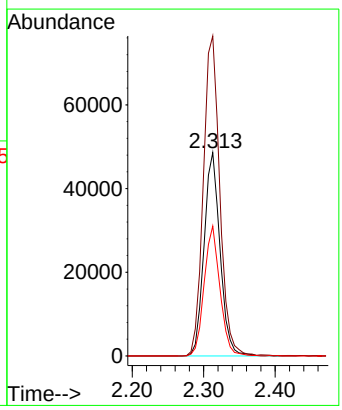


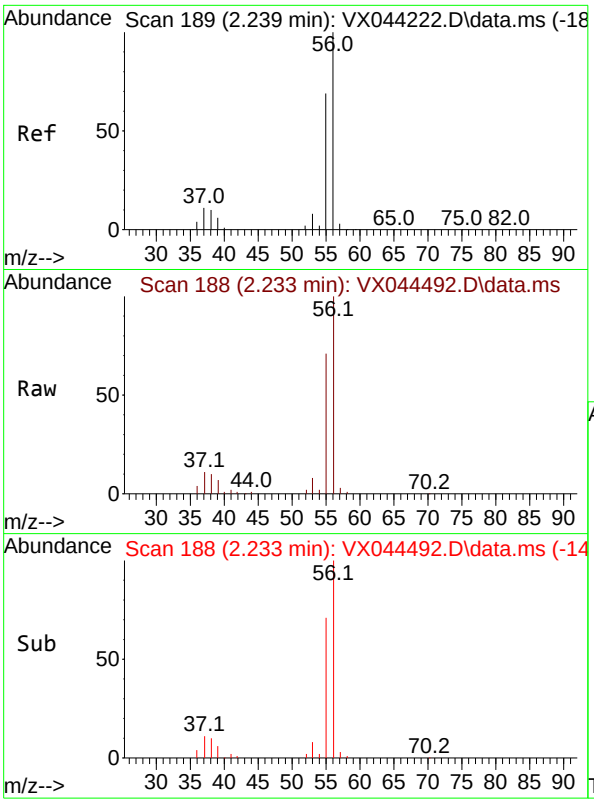




#12
1,1-Dichloroethene
Concen: 47.404 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 96 Resp: 75484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 157.4 | 138.0 | 207.0 |
| 98 | 63.9 | 50.0 | 75.0 |



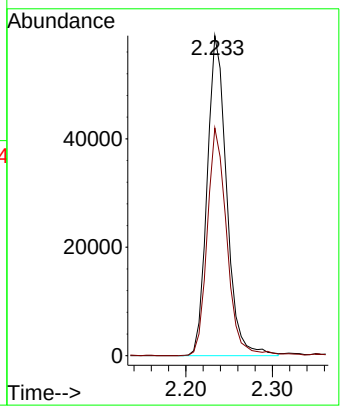


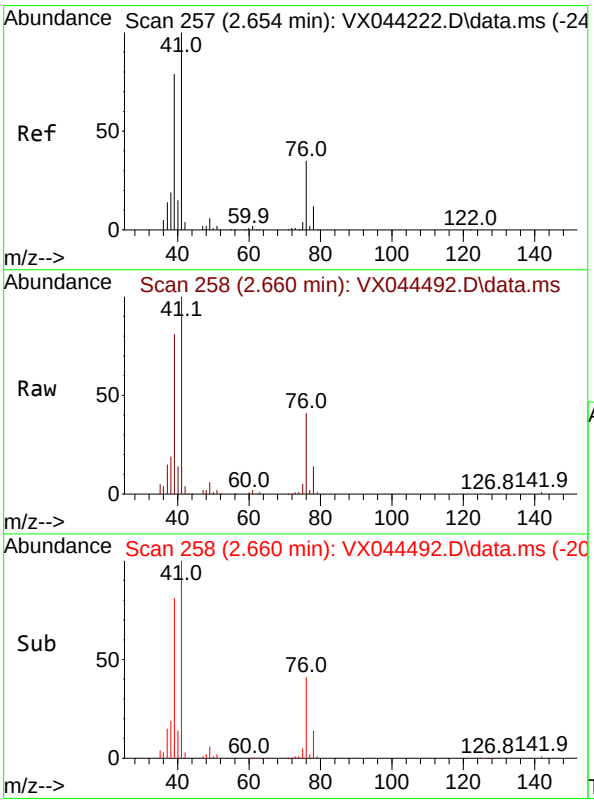

#13
Acrolein
Concen: 181.285 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 92120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.8 | 56.6 | 84.8 |

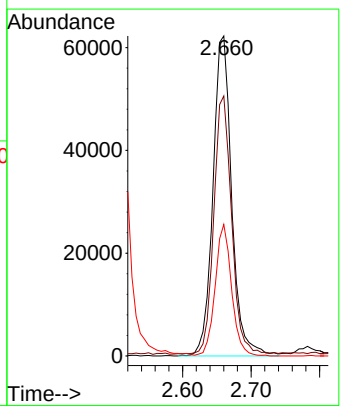


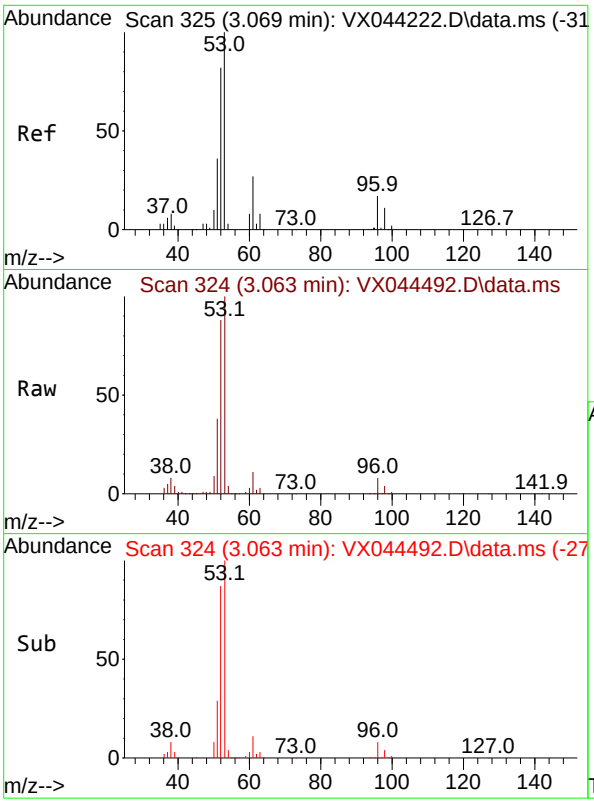




#14
Allyl chloride
Concen: 44.605 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 41 Resp: 118303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.1 | 61.9 | 92.9 |
| 76 | 36.0 | 27.4 | 41.2 |



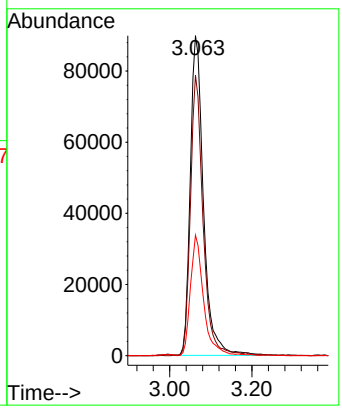


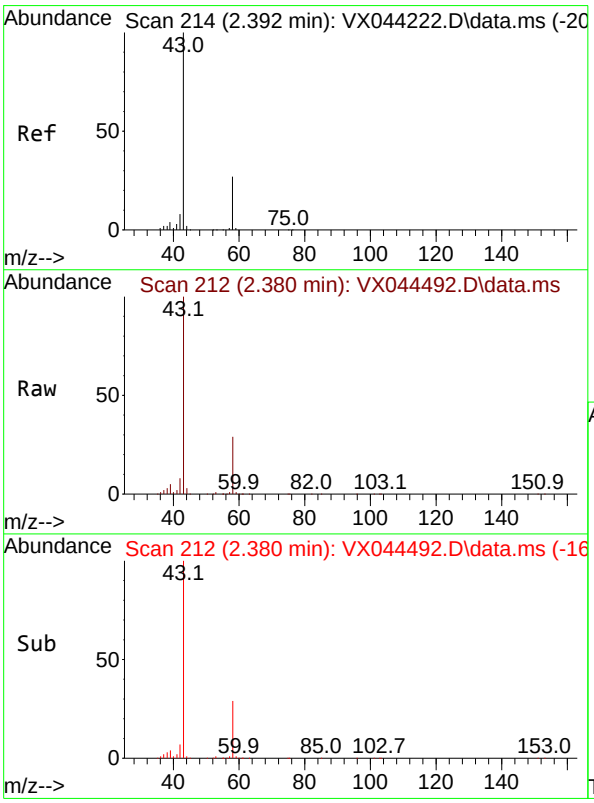

#15
Acrylonitrile
Concen: 206.319 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 200626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.5 | 67.4 | 101.0 |
| 51 | 37.1 | 30.3 | 45.5 |

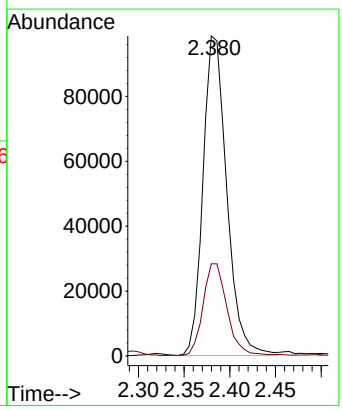


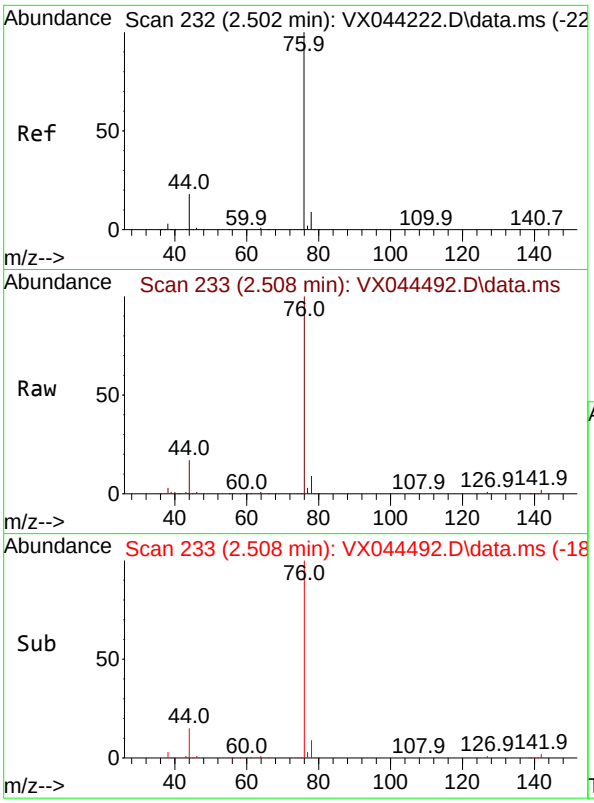




#16
Acetone
Concen: 175.552 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 178267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 21.6 | 32.4 |



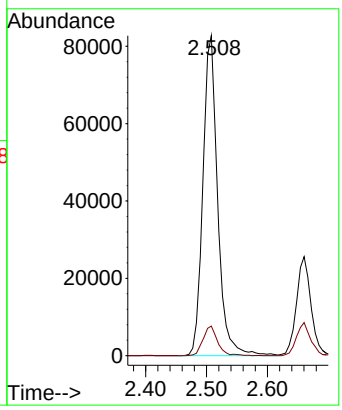


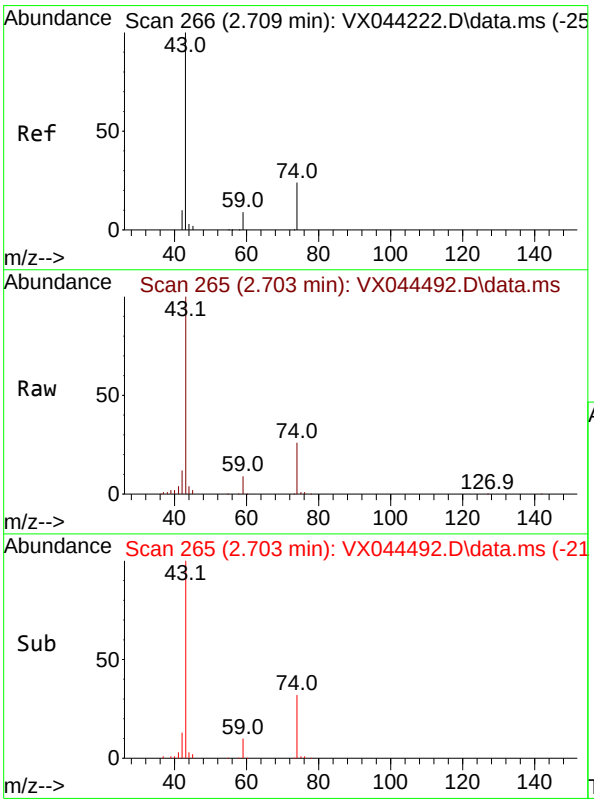

#17
Carbon Disulfide
Concen: 46.135 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 139644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.4 | 11.0 |

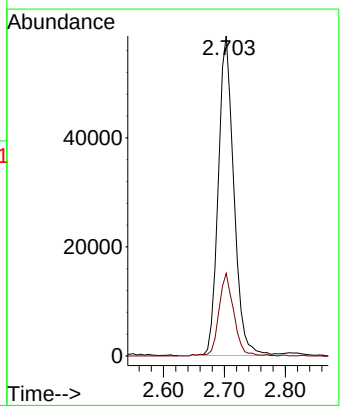


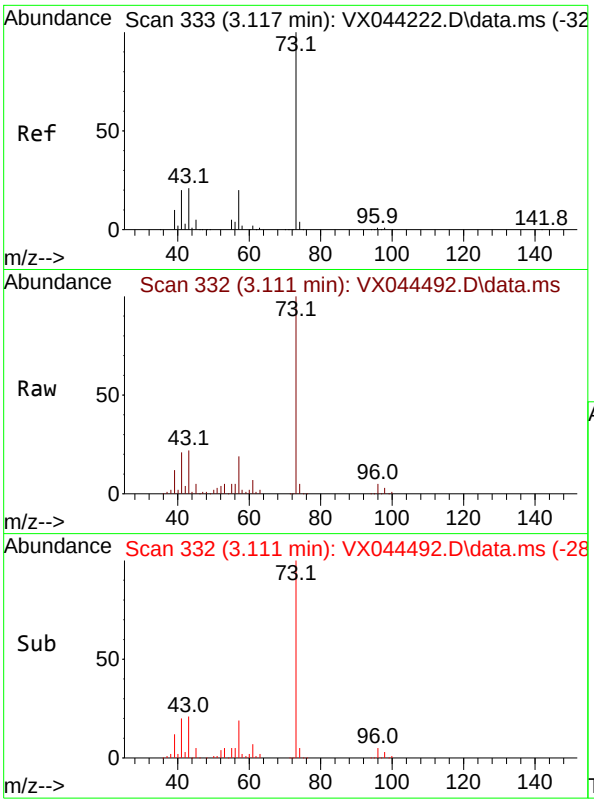




#18
Methyl Acetate
Concen: 39.750 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 104075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.9 | 17.7 | 26.5 |



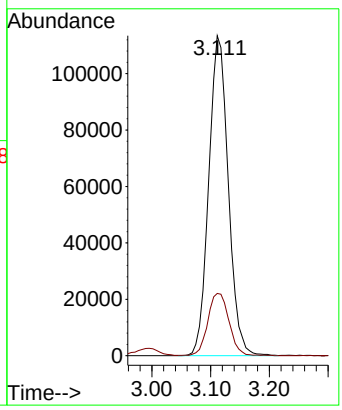


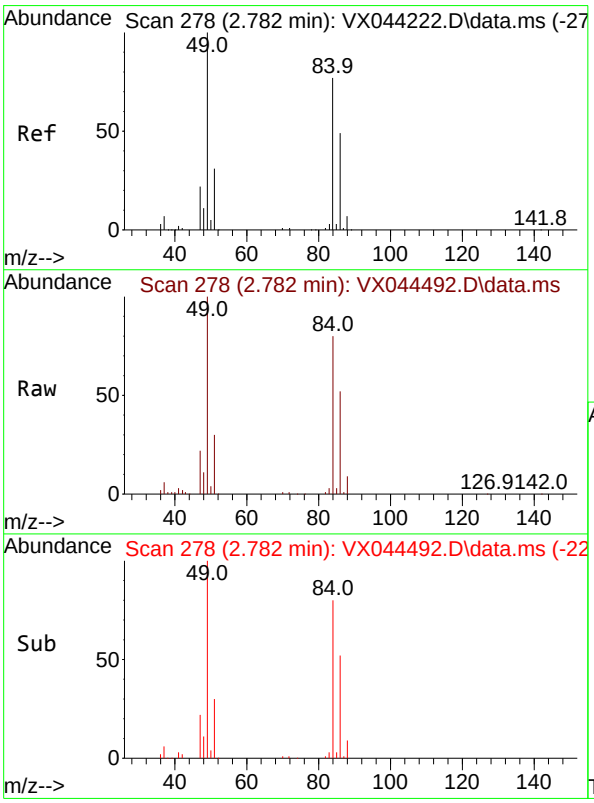

#19
Methyl tert-butyl Ether
Concen: 42.170 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 262040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.5 | 16.2 | 24.4 |

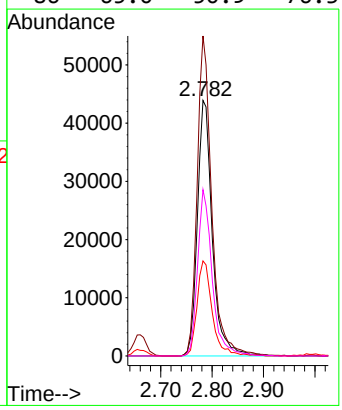


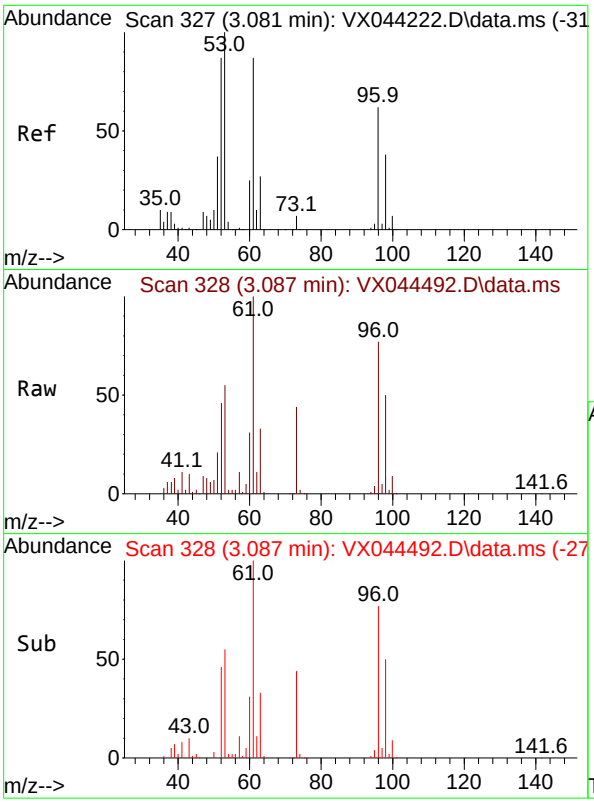




#20
Methylene Chloride
Concen: 46.423 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 84 Resp: 88543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.3 | 104.2 | 156.4 |
| 51 | 37.2 | 32.2 | 48.4 |
| 86 | 65.0 | 50.9 | 76.3 |



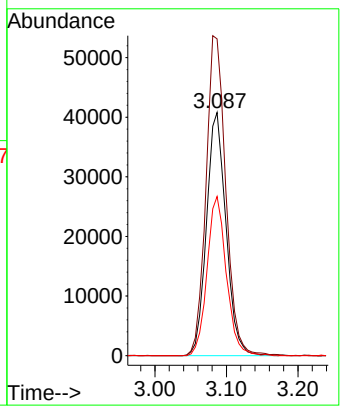


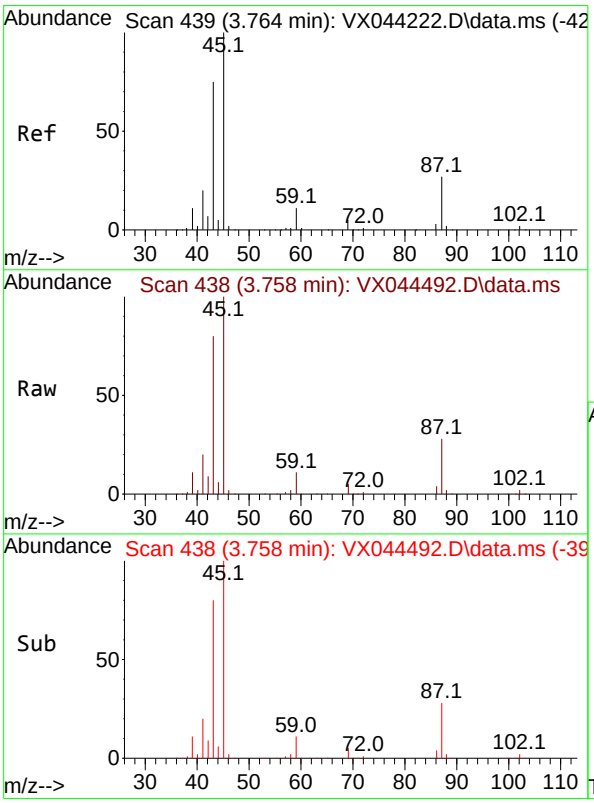

#21
trans-1,2-Dichloroethene
Concen: 45.648 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 77251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.2 | 112.0 | 168.0 |
| 98 | 65.4 | 48.8 | 73.2 |

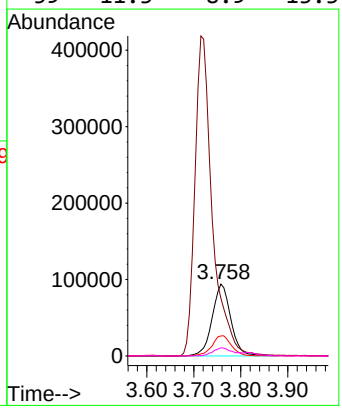


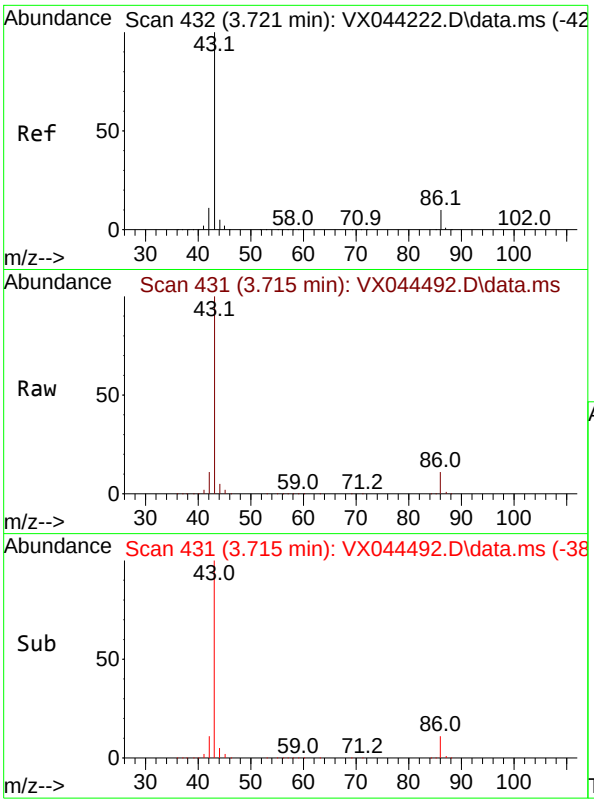




#22
Diisopropyl ether
Concen: 43.412 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 45 Resp: 259272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 80.2 | 60.2 | 90.2 |
| 87 | 27.9 | 21.2 | 31.8 |
| 59 | 11.3 | 8.9 | 13.3 |



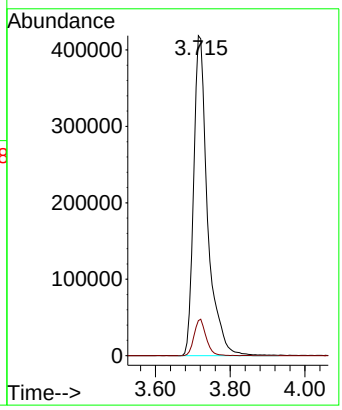


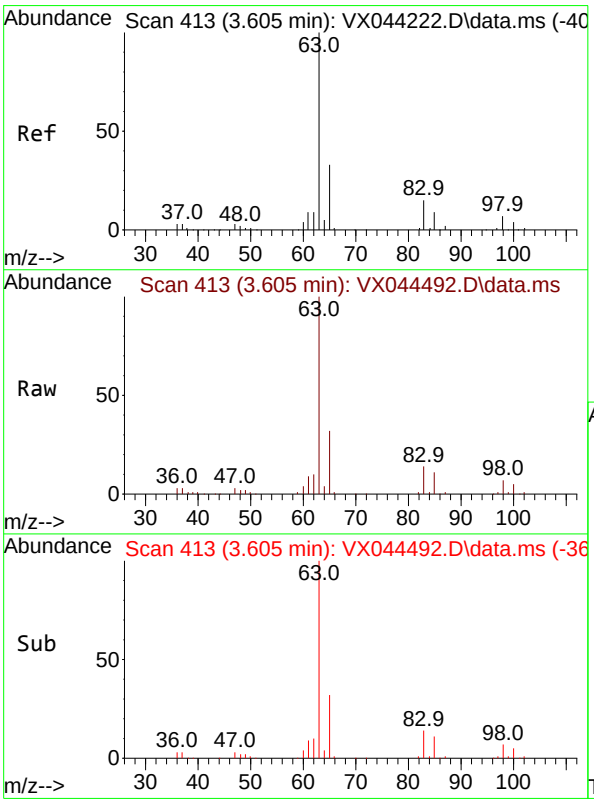

#23
Vinyl Acetate
Concen: 223.409 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1084781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 8.2 | 12.2 |

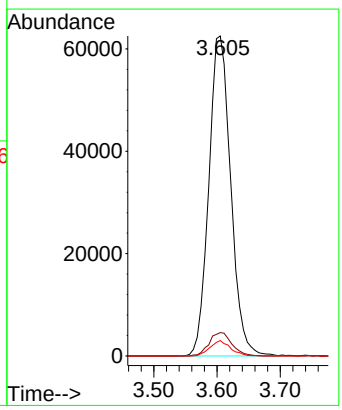


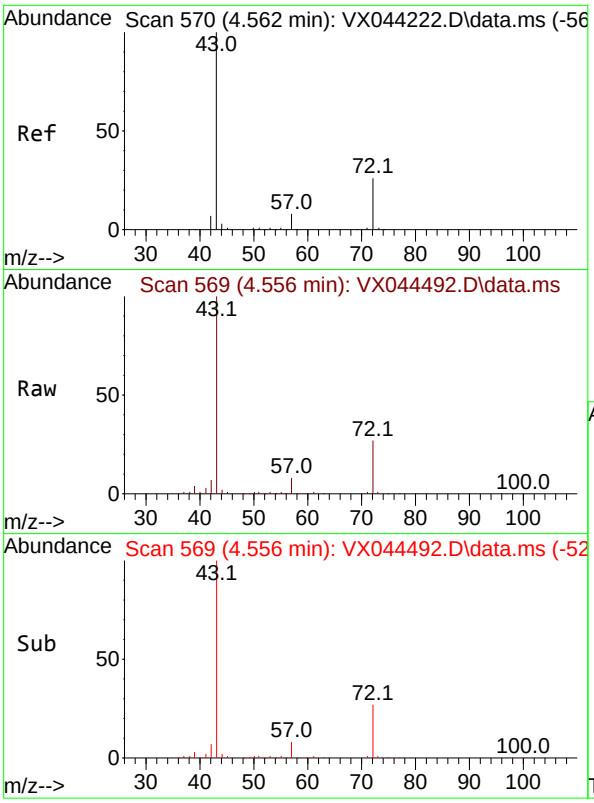




#24
1,1-Dichloroethane
Concen: 45.194 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 63 Resp: 150456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.6 | 10.8 |
| 100 | 4.8 | 2.1 | 6.3 |



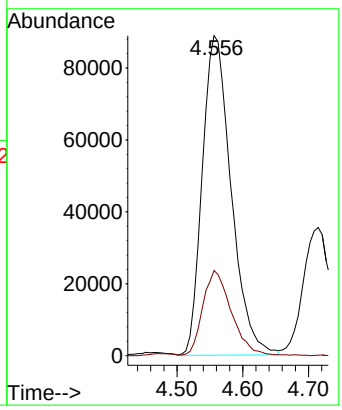


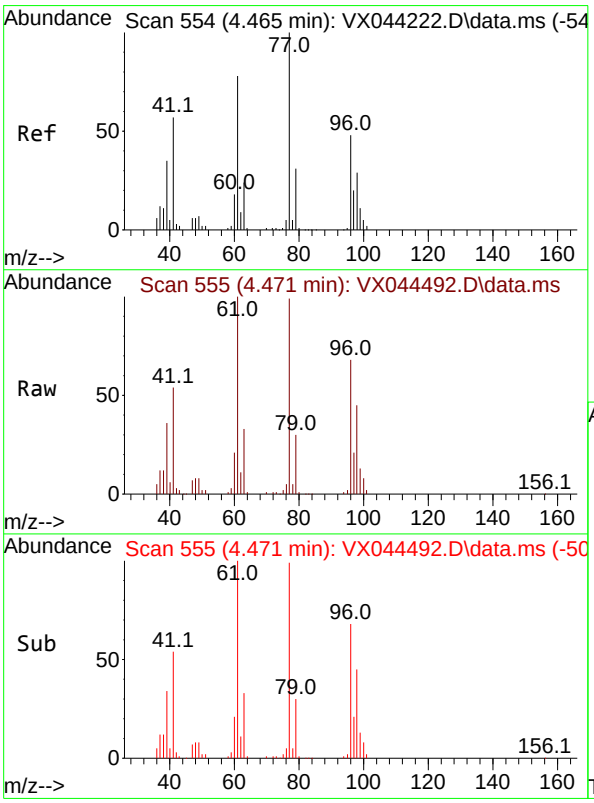

#25
2-Butanone
Concen: 188.131 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 271591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.5 | 20.2 | 30.4 |

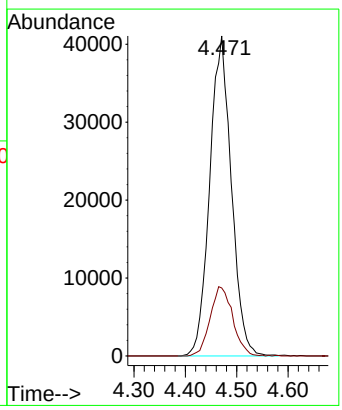


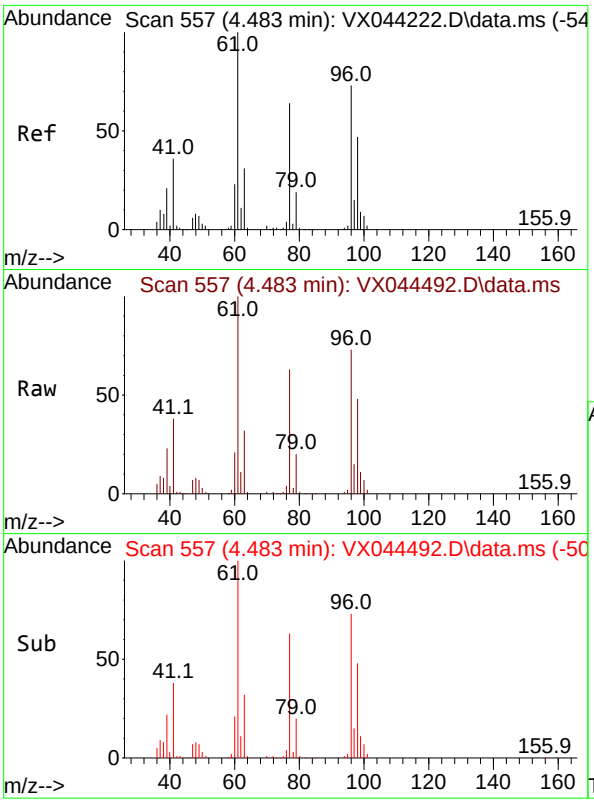




#26
2,2-Dichloropropane
Concen: 44.358 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 77 Resp: 119970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.6 | 10.7 | 32.1 |



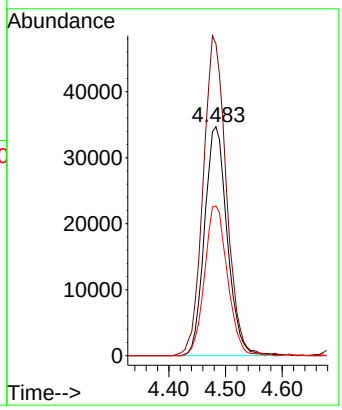


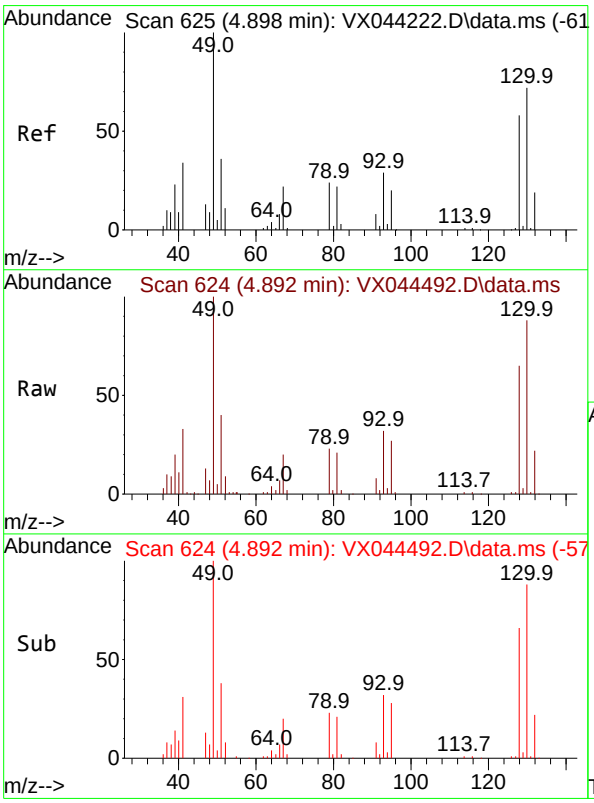

#27
cis-1,2-Dichloroethene
Concen: 44.871 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 96440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.1 | 0.0 | 299.0 |
| 98 | 66.0 | 0.0 | 129.0 |

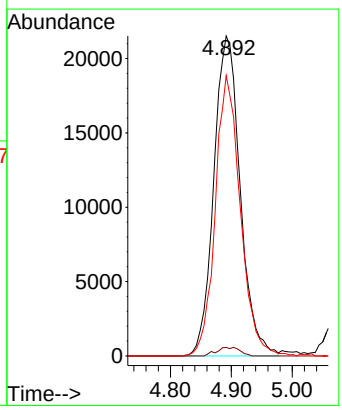


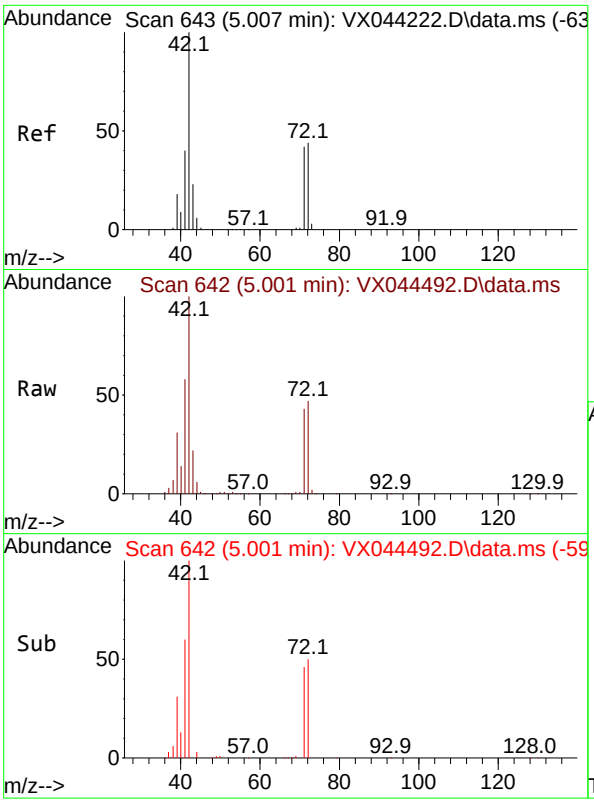




#28
Bromochloromethane
Concen: 39.671 ug/l
RT: 4.892 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 49 Resp: 64763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.4 | 0.0 | 4.2 |
| 130 | 83.3 | 62.1 | 93.1 |



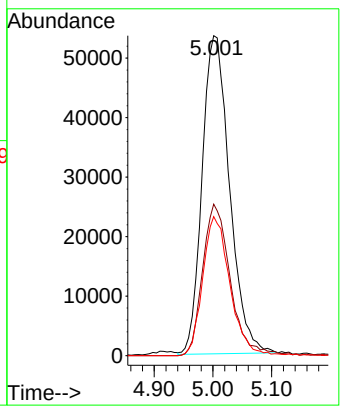


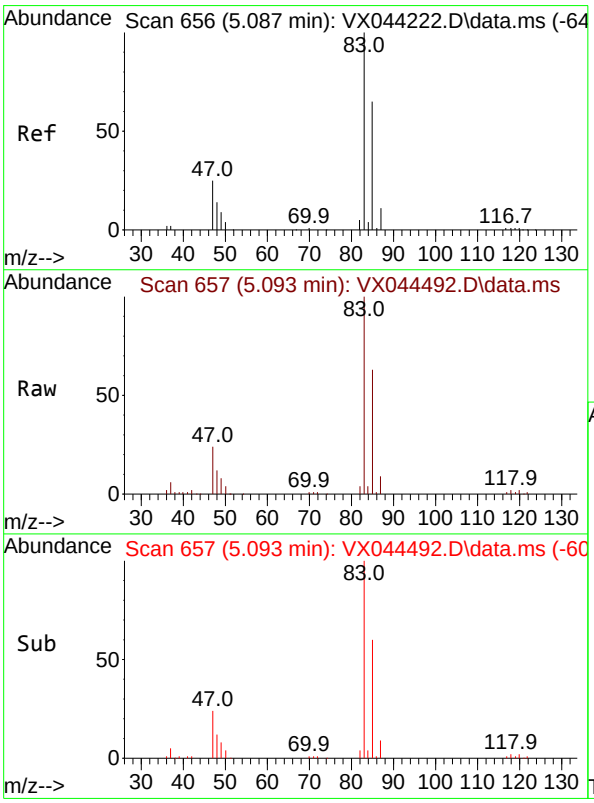

#29
Tetrahydrofuran
Concen: 187.586 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 173821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.0 | 37.0 | 55.6 |
| 71 | 43.3 | 33.6 | 50.4 |

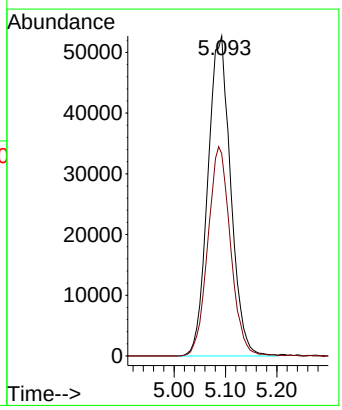


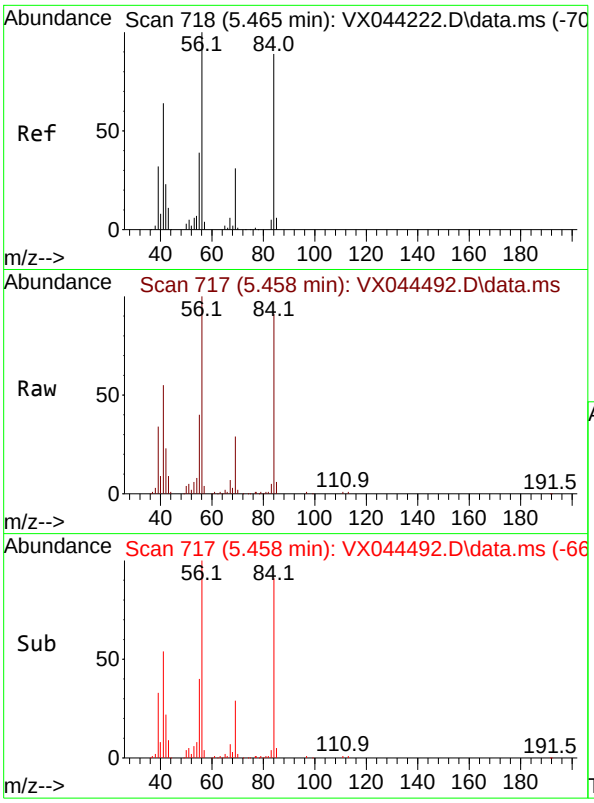




#30
Chloroform
Concen: 43.416 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 83 Resp: 162393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 51.6 | 77.4 |



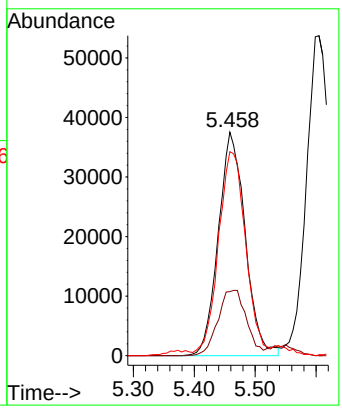


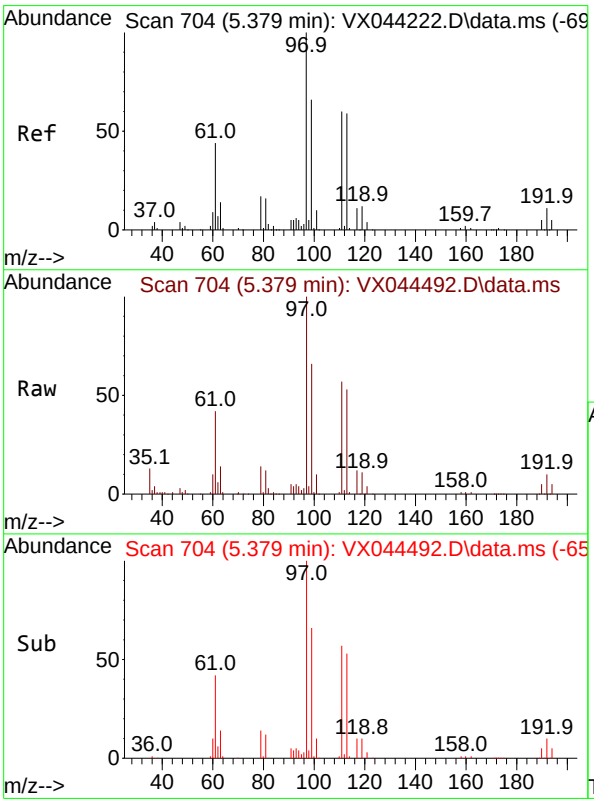

#31
Cyclohexane
Concen: 42.794 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 115044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.7 | 24.7 | 37.1 |
| 84 | 88.9 | 71.0 | 106.6 |

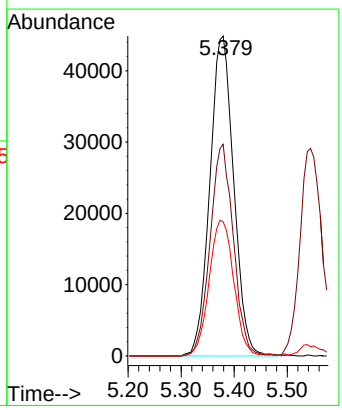


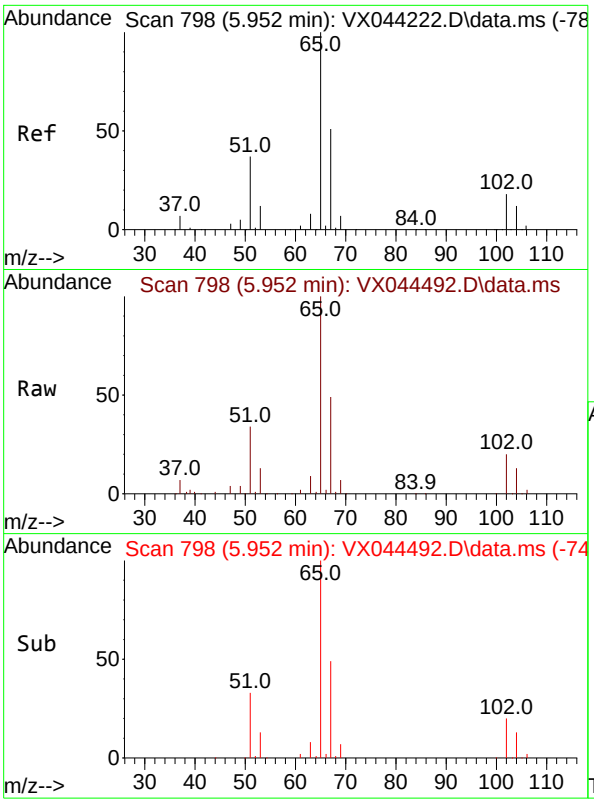




#32
1,1,1-Trichloroethane
Concen: 45.118 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 97 Resp: 140086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 50.8 | 76.2 |
| 61 | 43.9 | 35.2 | 52.8 |



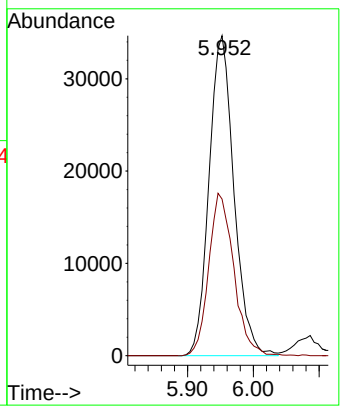


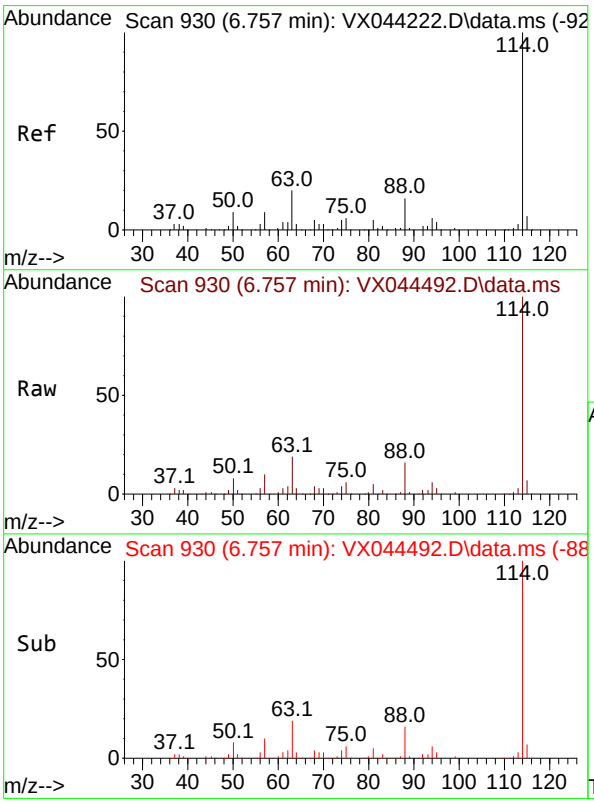

#33
1,2-Dichloroethane-d4
Concen: 36.671 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 91340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 101.6 |

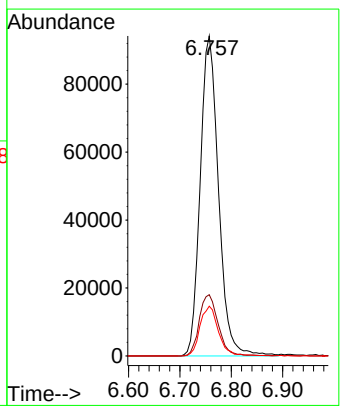


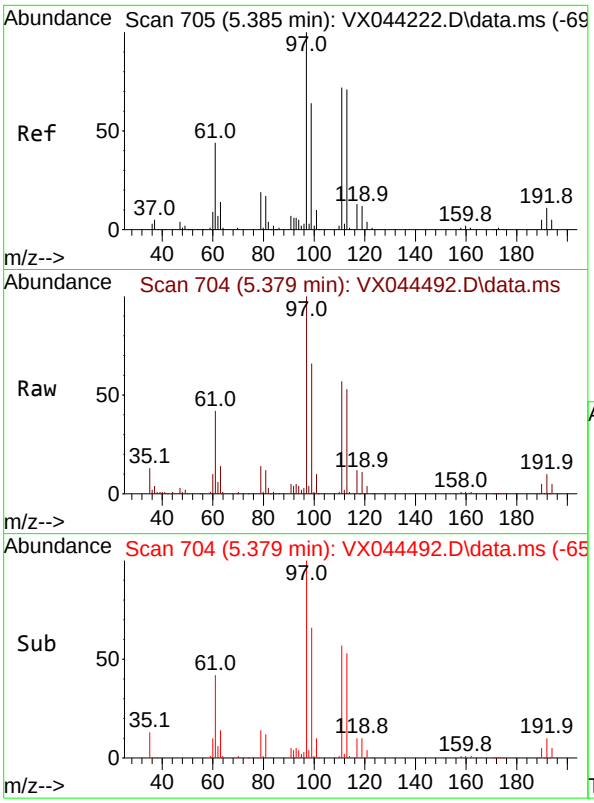




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:114 Resp: 233398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 40.6 |
| 88 | 15.6 | 0.0 | 31.8 |



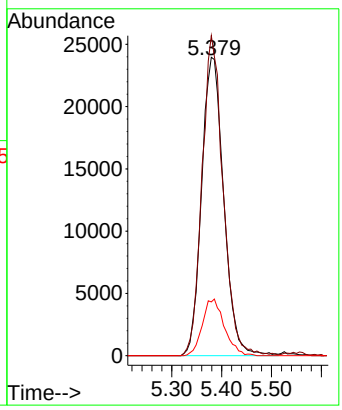


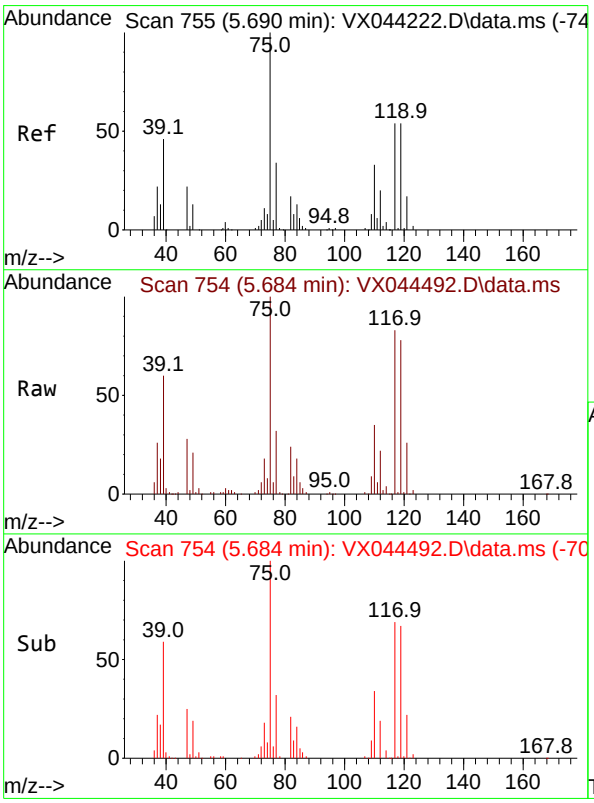

#35
Dibromofluoromethane
Concen: 45.677 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 73837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 80.4 | 120.6 |
| 192 | 18.9 | 13.3 | 19.9 |

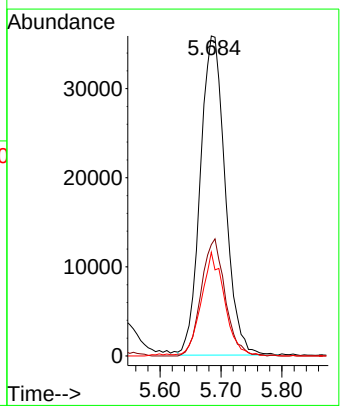


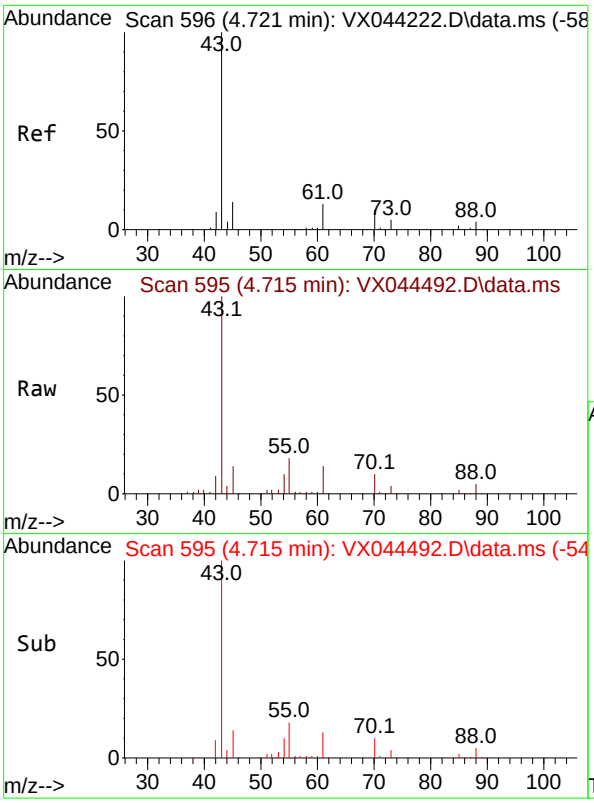




#36
1,1-Dichloropropene
Concen: 48.625 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 75 Resp: 101604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.3 | 17.3 | 51.7 |
| 77 | 29.8 | 25.4 | 38.0 |



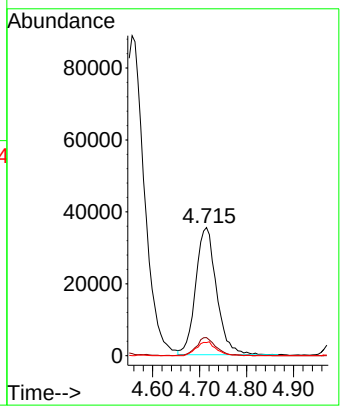


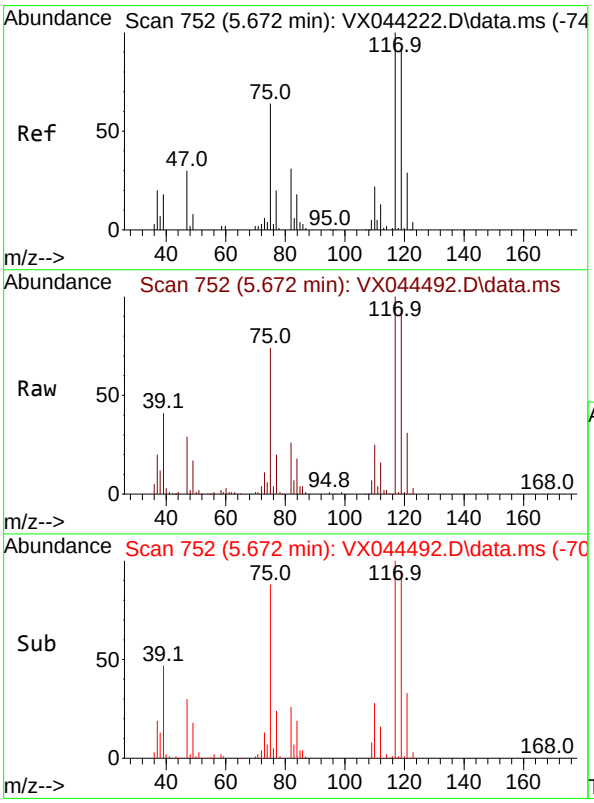

#37
Ethyl Acetate
Concen: 42.249 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 109126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.5 | 9.8 | 14.8 |
| 70 | 10.3 | 7.7 | 11.5 |

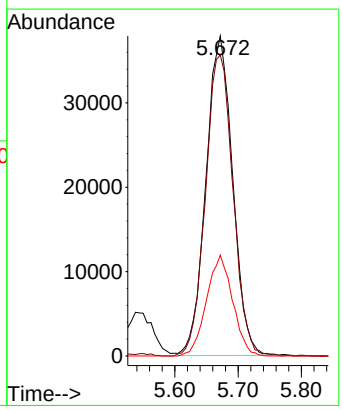


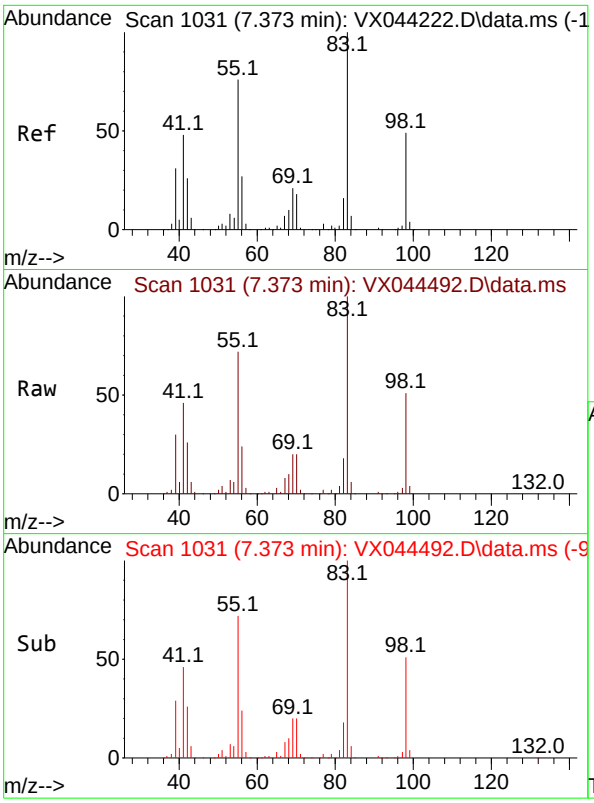




#38
Carbon Tetrachloride
Concen: 49.513 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:117 Resp: 111385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 74.2 | 111.4 |
| 121 | 31.6 | 23.0 | 34.6 |



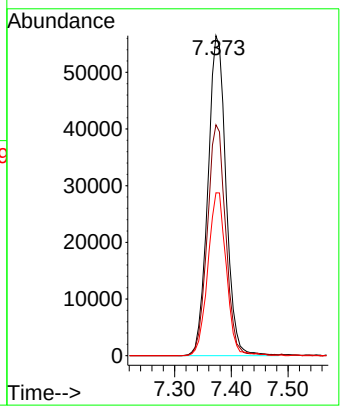


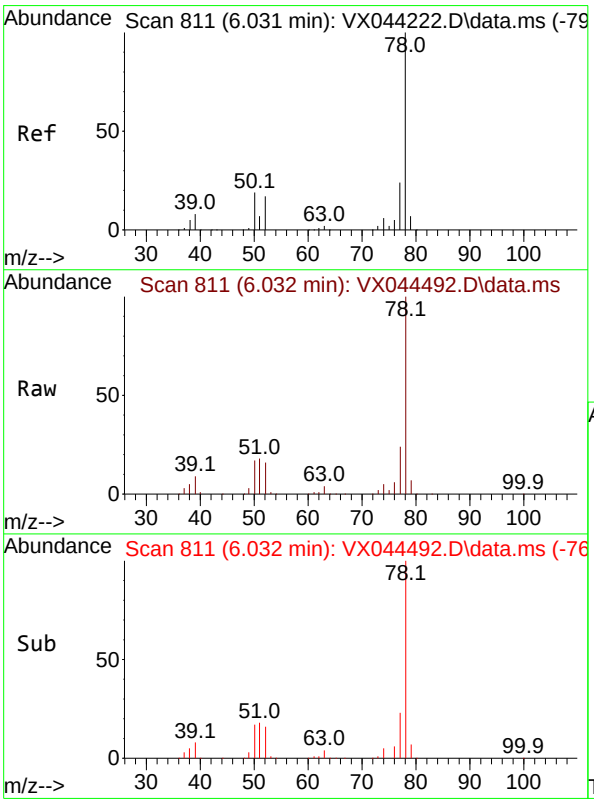

#39
Methylcyclohexane
Concen: 50.139 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 125247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.2 | 60.7 | 91.1 |
| 98 | 50.9 | 38.9 | 58.3 |

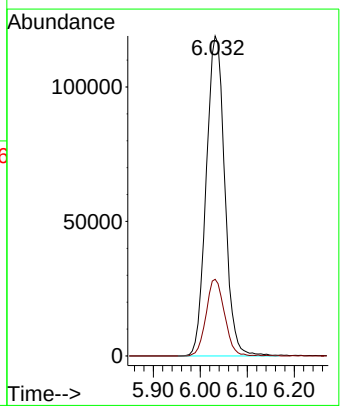


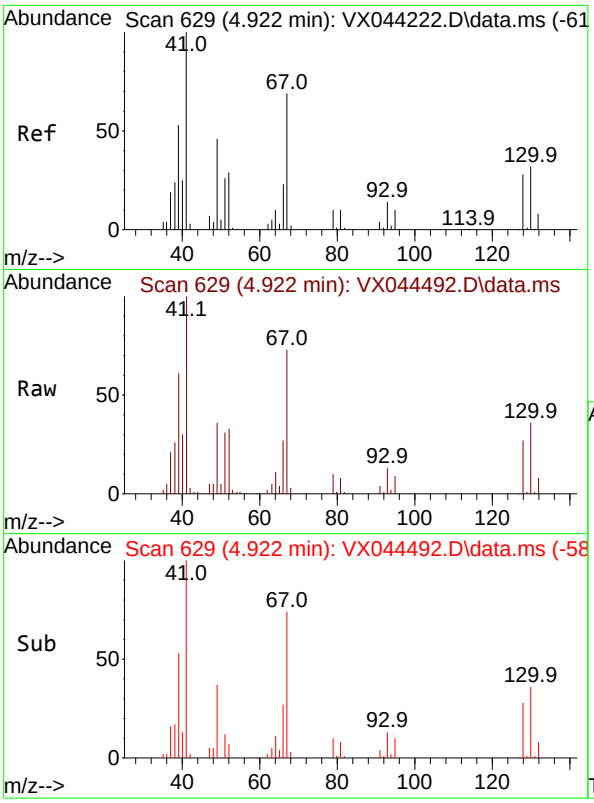




#40
Benzene
Concen: 51.229 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 78 Resp: 325004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.3 | 28.9 |



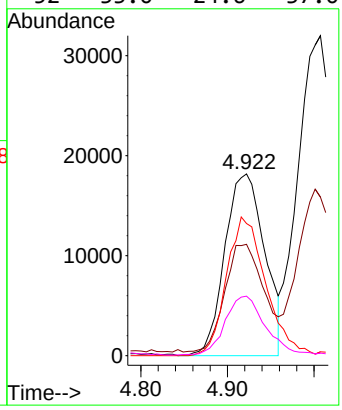


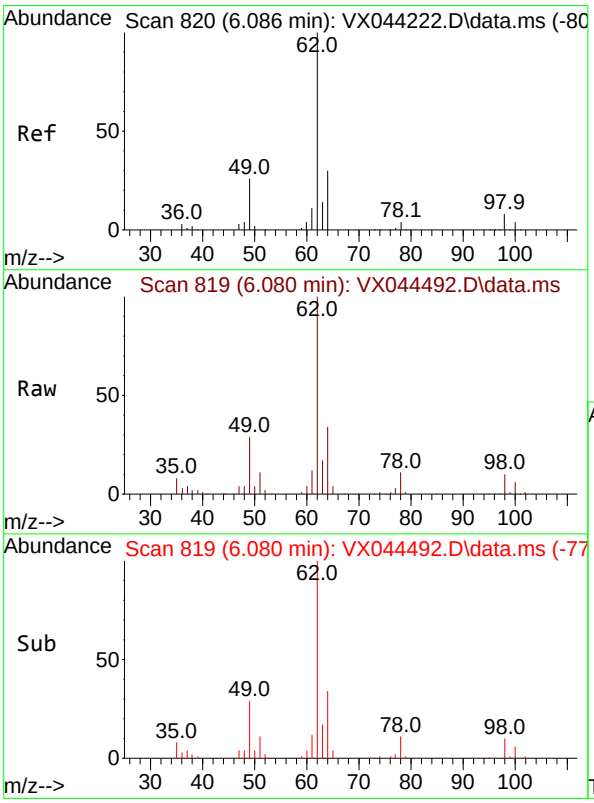

#41
Methacrylonitrile
Concen: 42.511 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 58306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.1 | 44.2 | 66.4 |
| 67 | 75.0 | 57.2 | 85.8 |
| 52 | 33.0 | 24.6 | 37.0 |

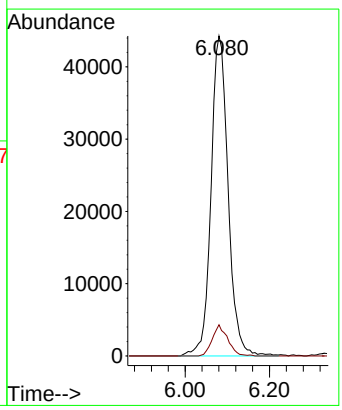


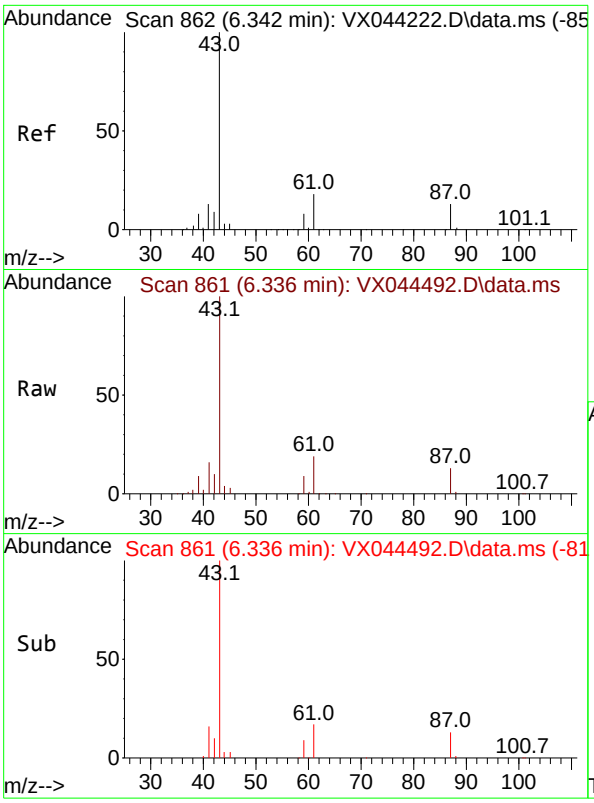




#42
1,2-Dichloroethane
Concen: 47.653 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 62 Resp: 124536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 15.8 |



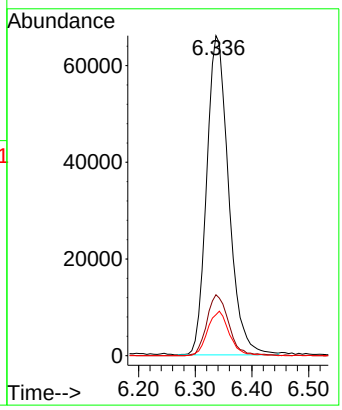


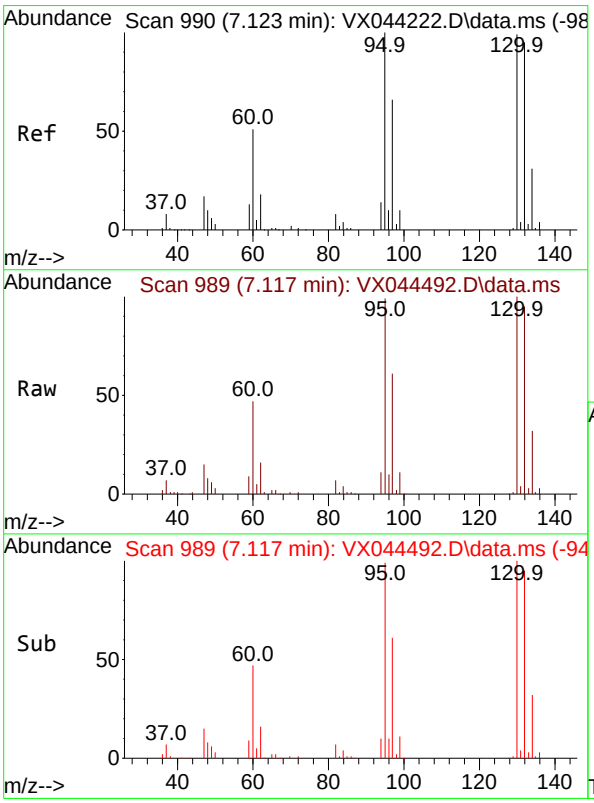

#43
Isopropyl Acetate
Concen: 44.034 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 177770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 14.2 | 21.2 |
| 87 | 13.7 | 10.2 | 15.2 |

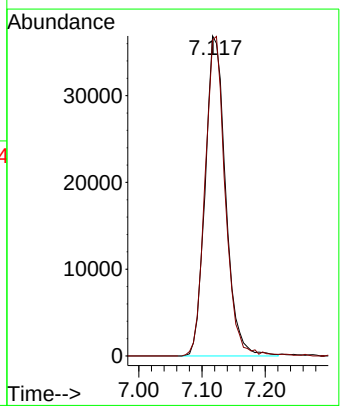


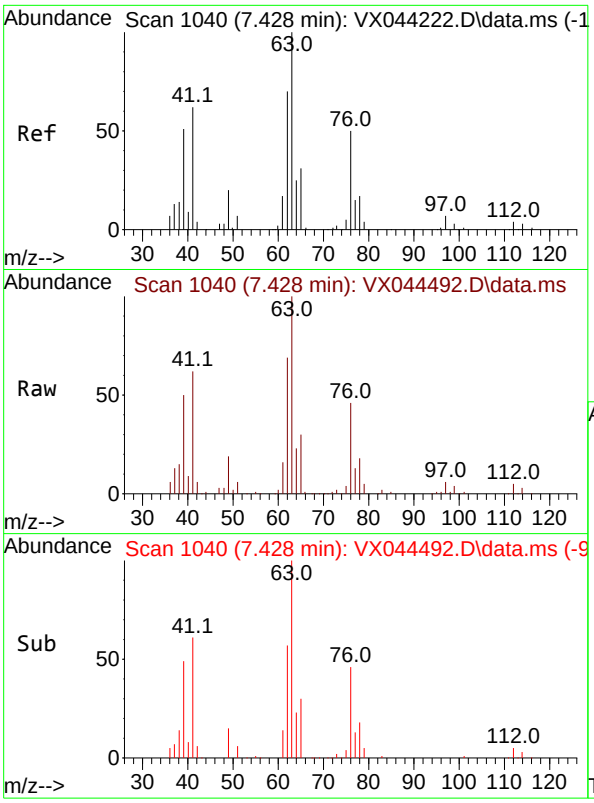




#44
Trichloroethene
Concen: 52.353 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:130 Resp: 82827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.7 | 0.0 | 201.4 |



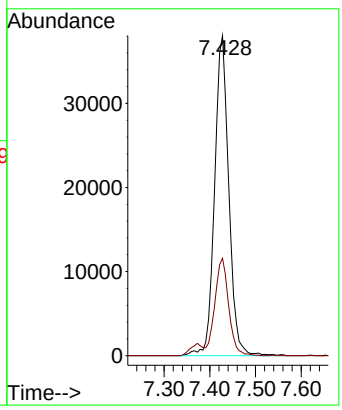


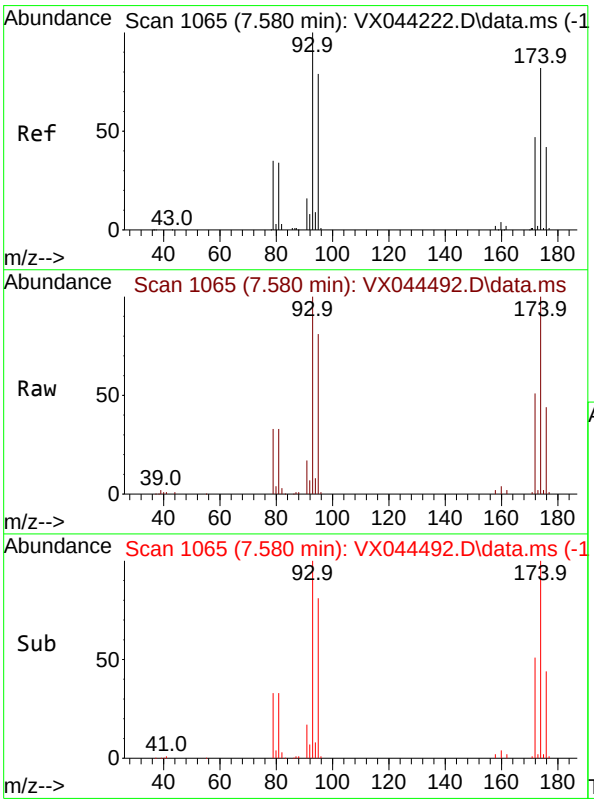

#45
1,2-Dichloropropane
Concen: 50.659 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 82109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 24.6 | 37.0 |

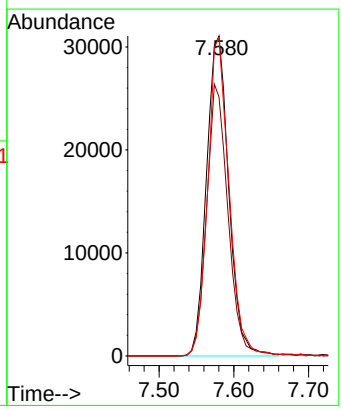


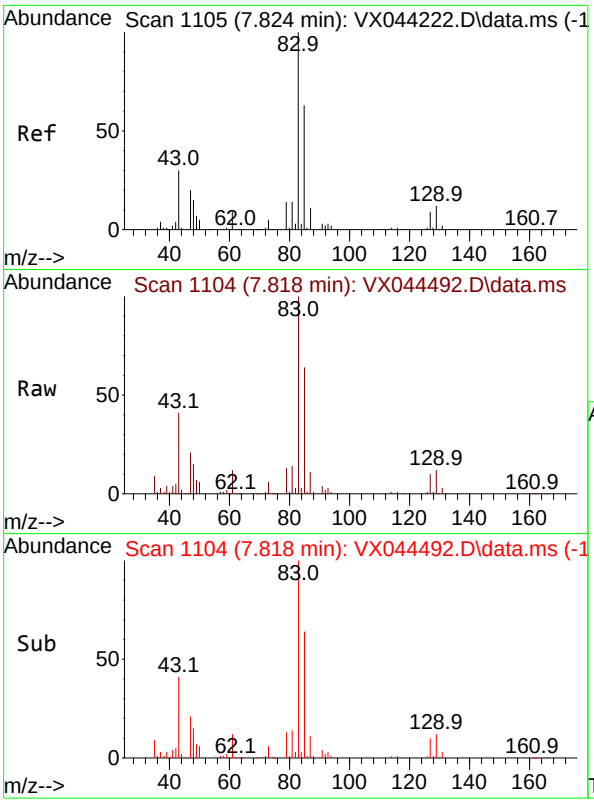




#46
Dibromomethane
Concen: 50.998 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 93 Resp: 64127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.9 | 65.4 | 98.2 |
| 174 | 95.5 | 67.9 | 101.9 |



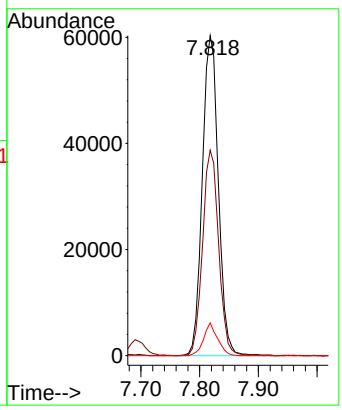


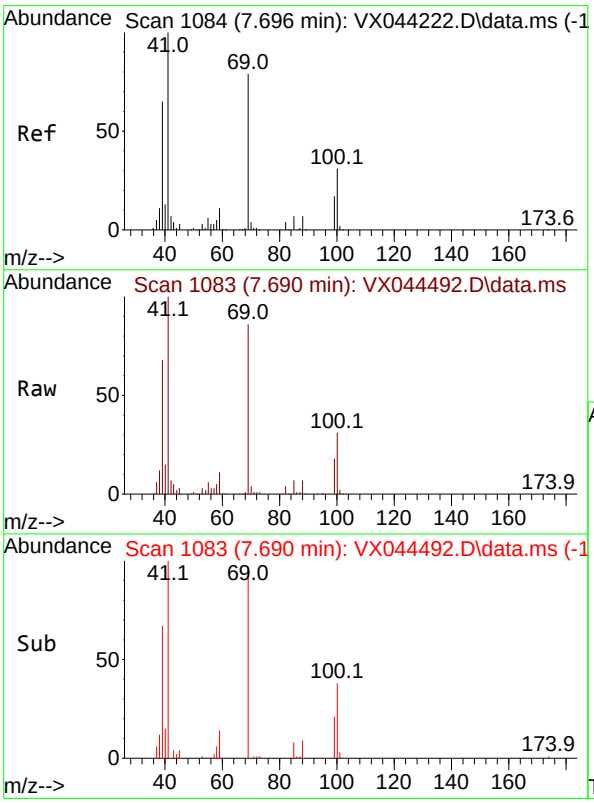

#47
Bromodichloromethane
Concen: 52.527 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 114072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 50.6 | 75.8 |
| 127 | 10.3 | 7.3 | 10.9 |

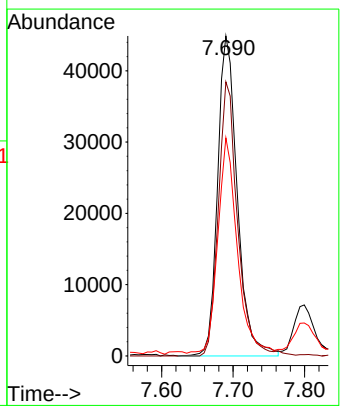


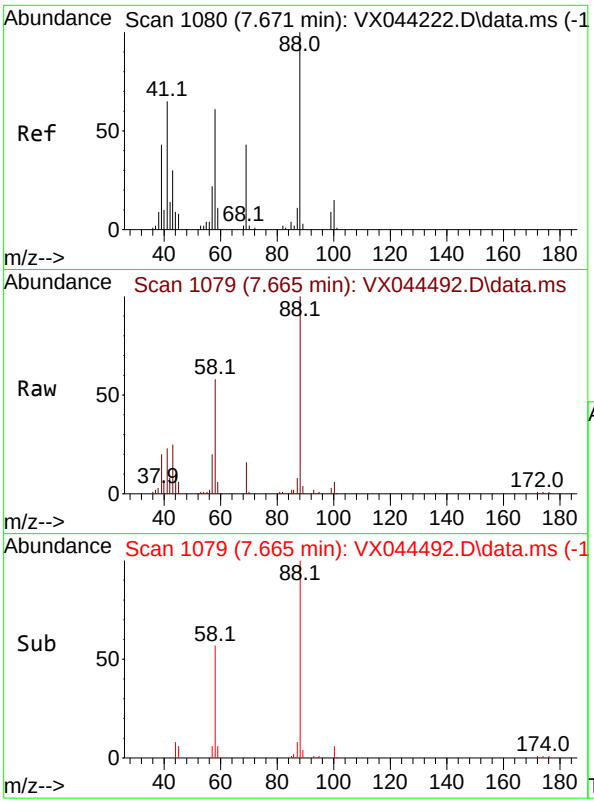




#48
Methyl methacrylate
Concen: 43.837 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 41 Resp: 85907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.0 | 62.4 | 93.6 |
| 39 | 65.7 | 53.3 | 79.9 |



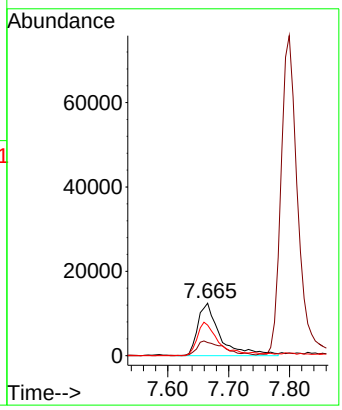


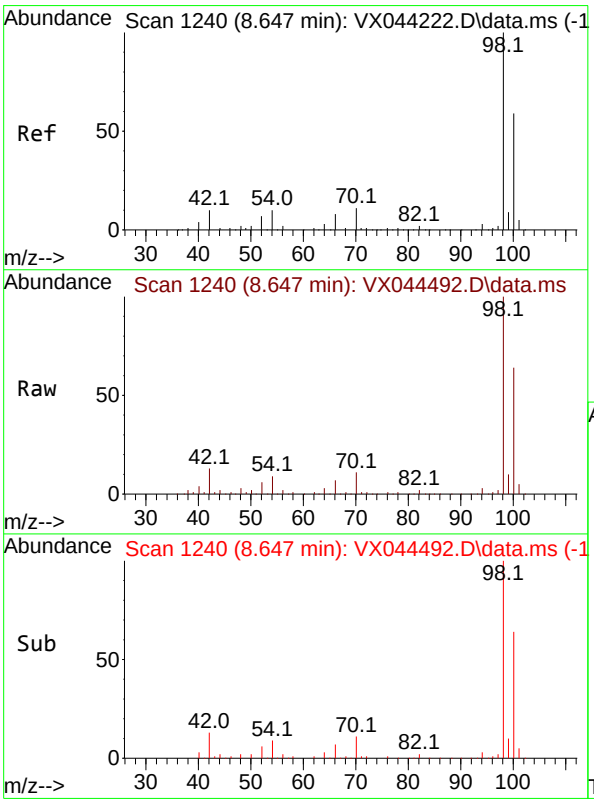

#49
1,4-Dioxane
Concen: 982.728 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 31930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 32.0 | 27.1 | 40.7 |
| 58 | 58.7 | 41.0 | 61.4 |

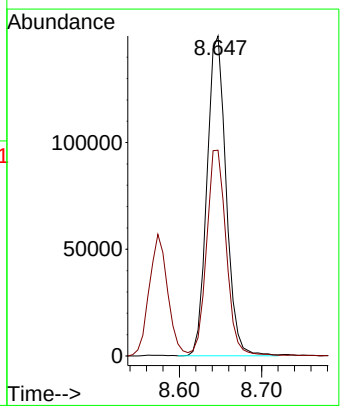


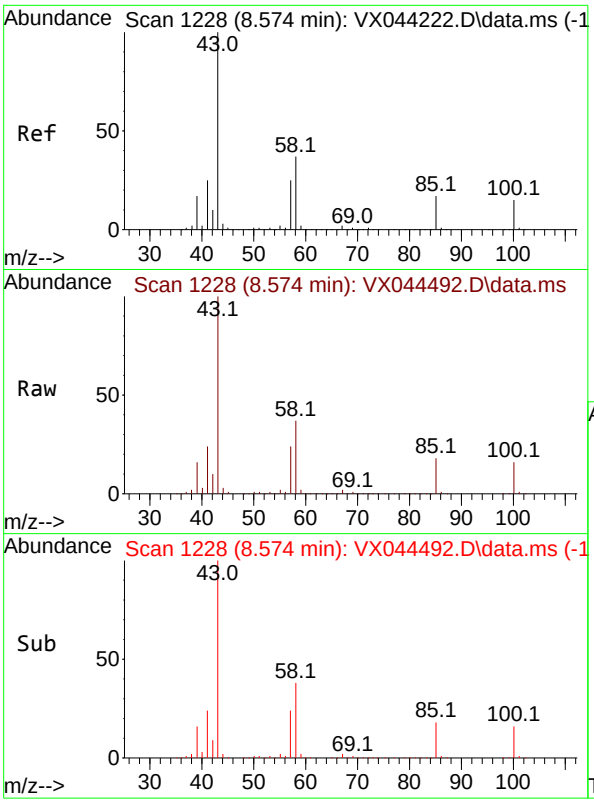




#50
Toluene-d8
Concen: 44.446 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 98 Resp: 242389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 51.5 | 77.3 |



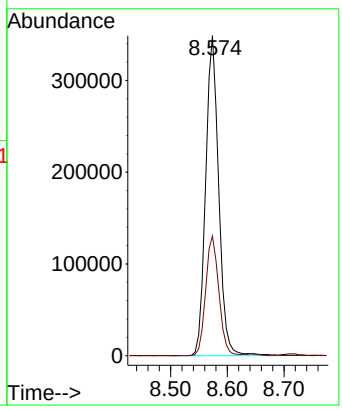


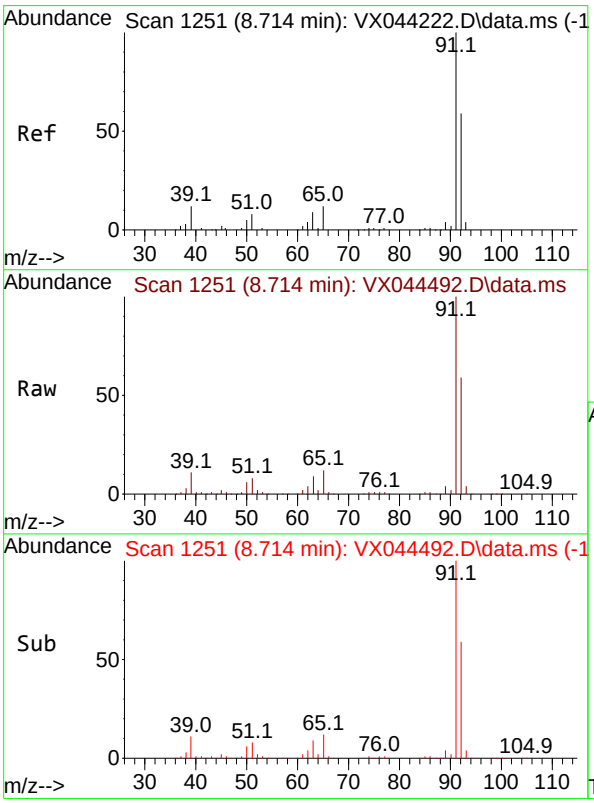

#51
4-Methyl-2-Pentanone
Concen: 214.305 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 556283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 29.4 | 44.0 |

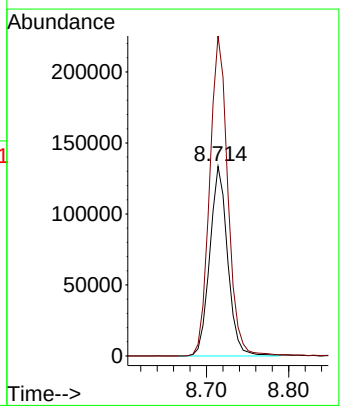


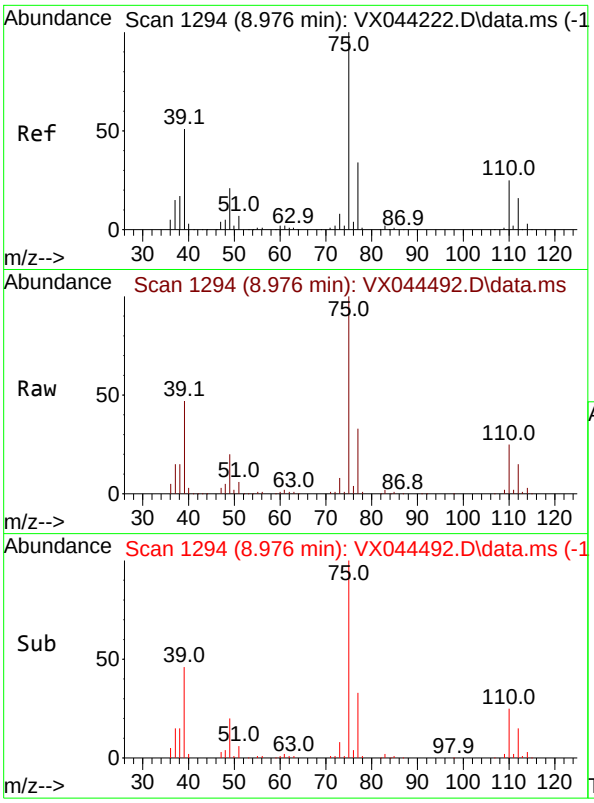




#52
Toluene
Concen: 50.524 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 92 Resp: 201289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.6 | 137.0 | 205.6 |



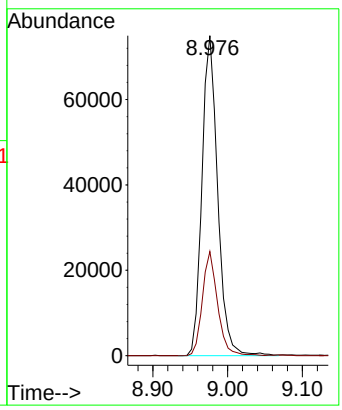


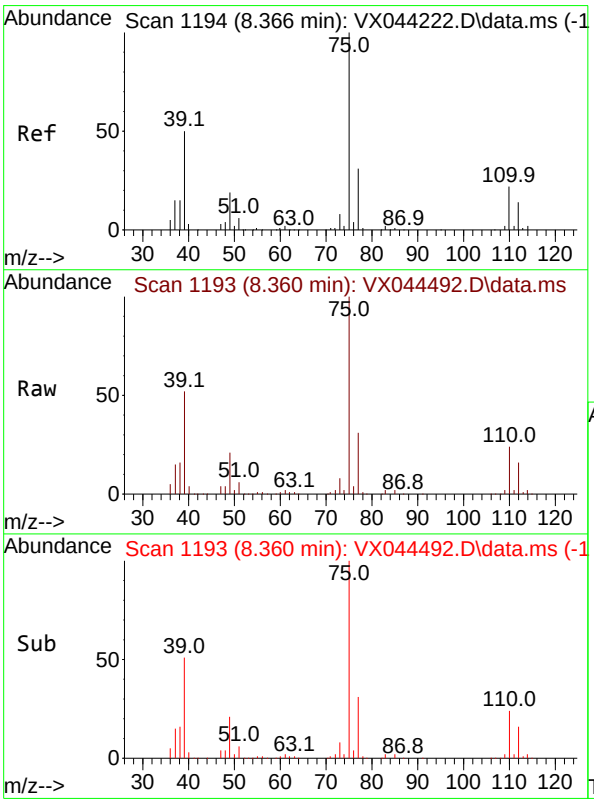

#53
t-1,3-Dichloropropene
Concen: 47.186 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 109547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 27.2 | 40.8 |

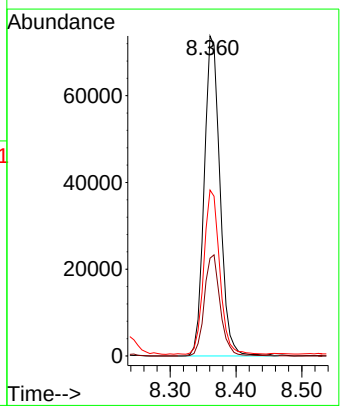


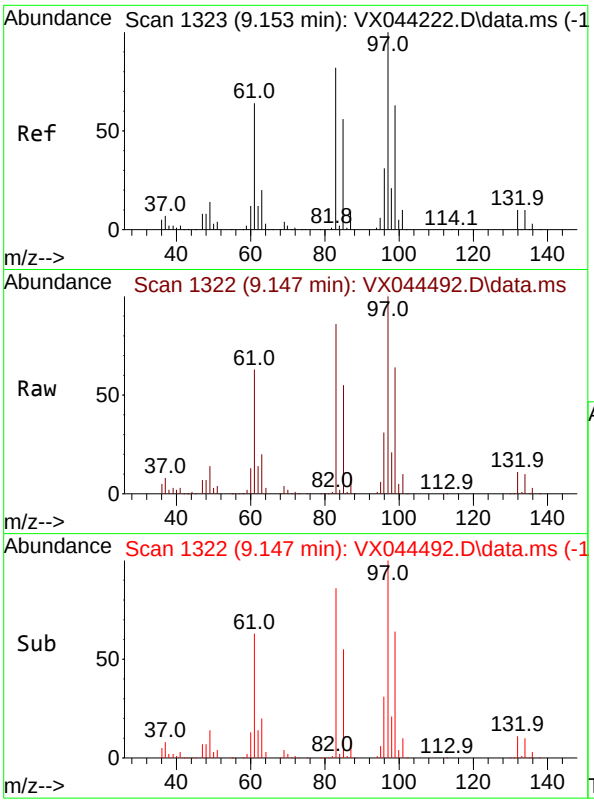




#54
cis-1,3-Dichloropropene
Concen: 52.242 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 75 Resp: 123531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 24.7 | 37.1 |
| 39 | 51.2 | 40.3 | 60.5 |



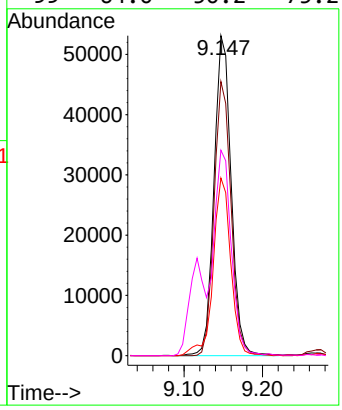


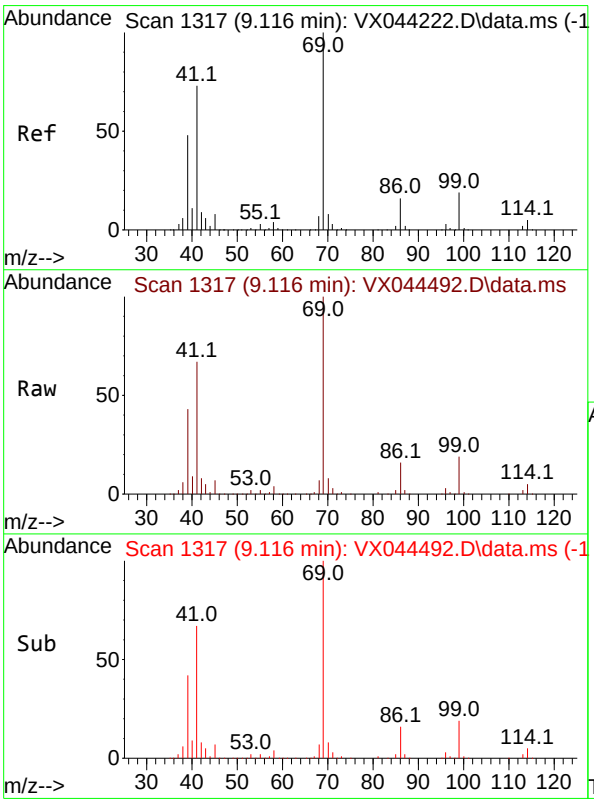

#55
1,1,2-Trichloroethane
Concen: 51.140 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 80941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 65.3 | 97.9 |
| 85 | 55.5 | 44.6 | 67.0 |
| 99 | 64.0 | 50.2 | 75.2 |

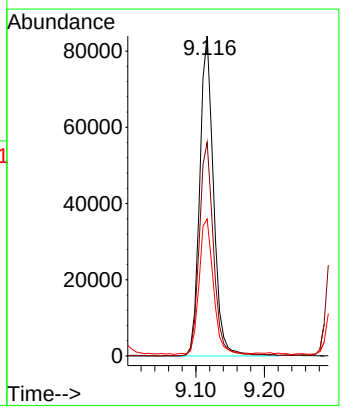


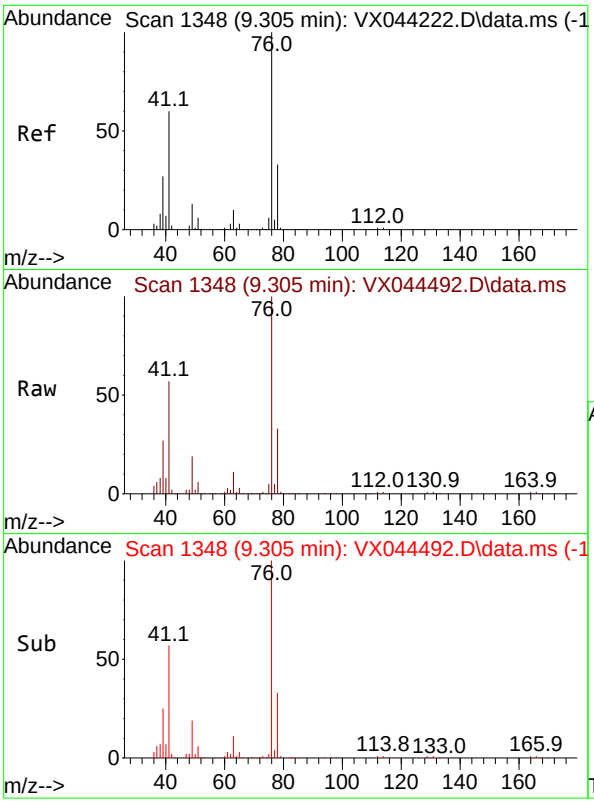




#56
Ethyl methacrylate
Concen: 47.418 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 69 Resp: 118479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 56.6 | 85.0 |
| 39 | 43.7 | 37.4 | 56.0 |



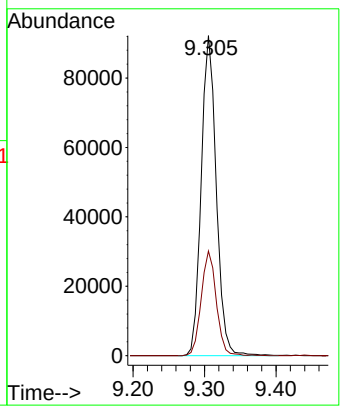


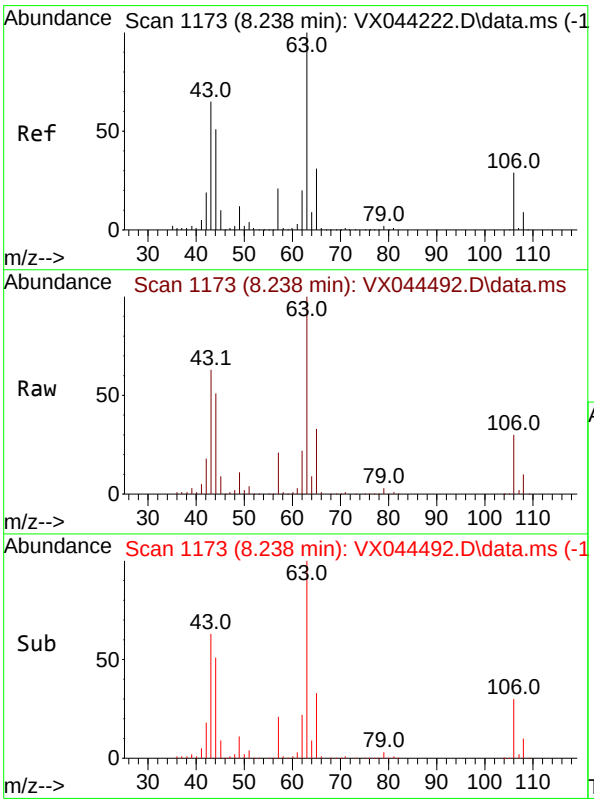

#57
1,3-Dichloropropane
Concen: 48.972 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 134913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.5 | 39.7 |

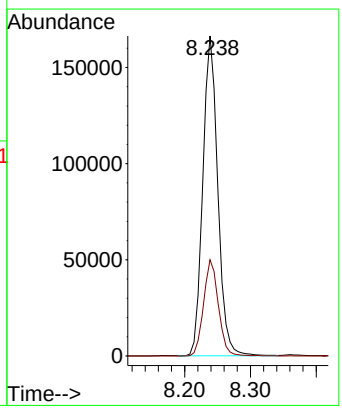


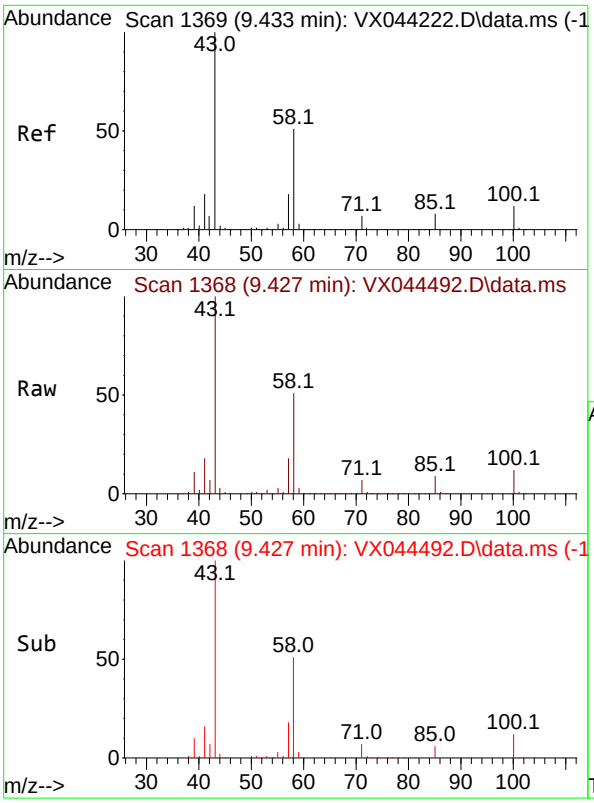




#58
2-Chloroethyl Vinyl ether
Concen: 209.048 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 63 Resp: 263448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.8 | 22.8 | 34.2 |



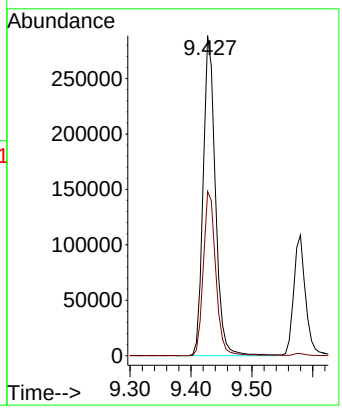


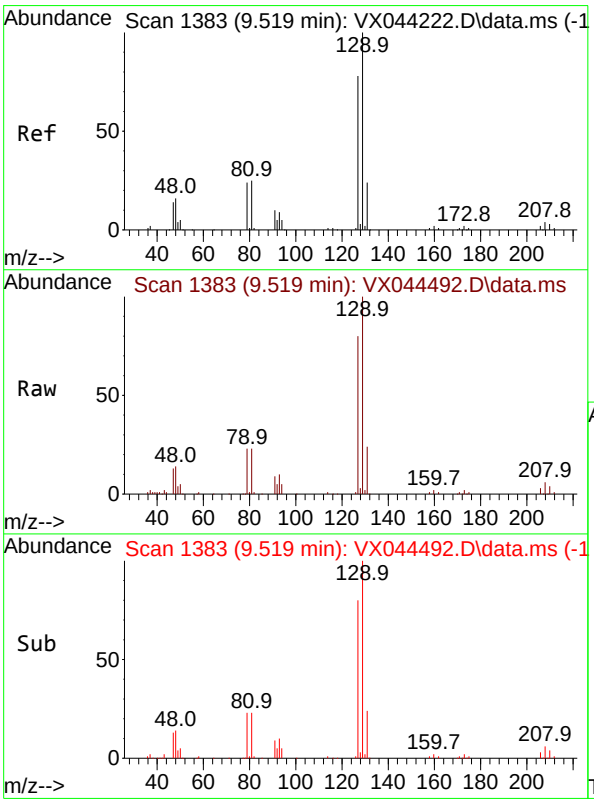

#59
2-Hexanone
Concen: 214.776 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 403537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.2 | 25.7 | 77.0 |

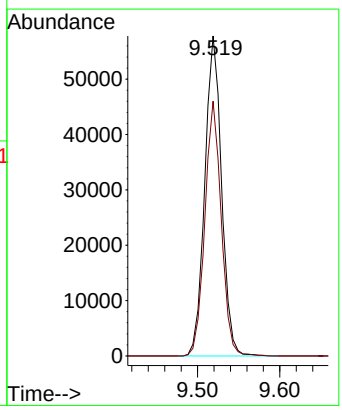


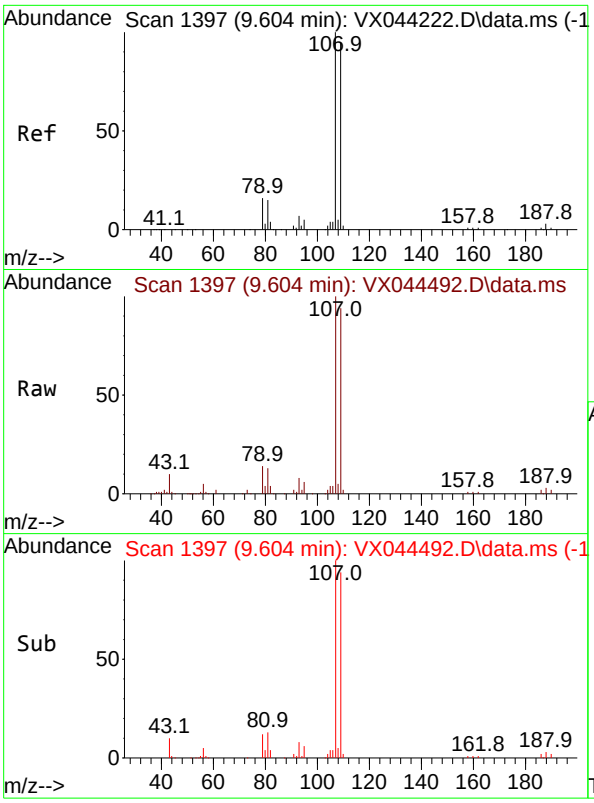




#60
Dibromochloromethane
Concen: 48.943 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:129 Resp: 81910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.5 | 115.3 |



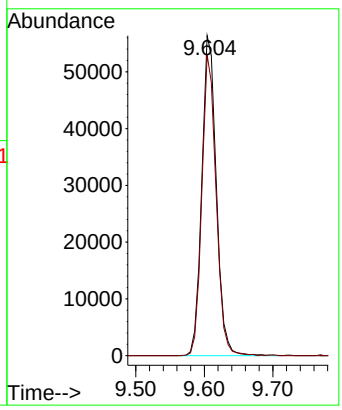


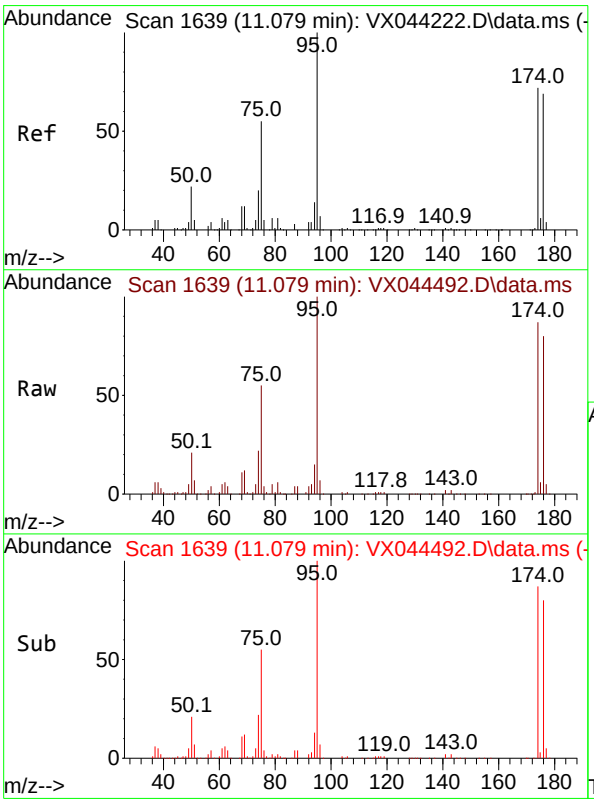

#61
1,2-Dibromoethane
Concen: 51.675 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 83250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.1 | 77.0 | 115.4 |

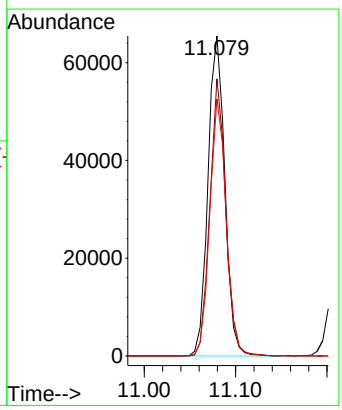


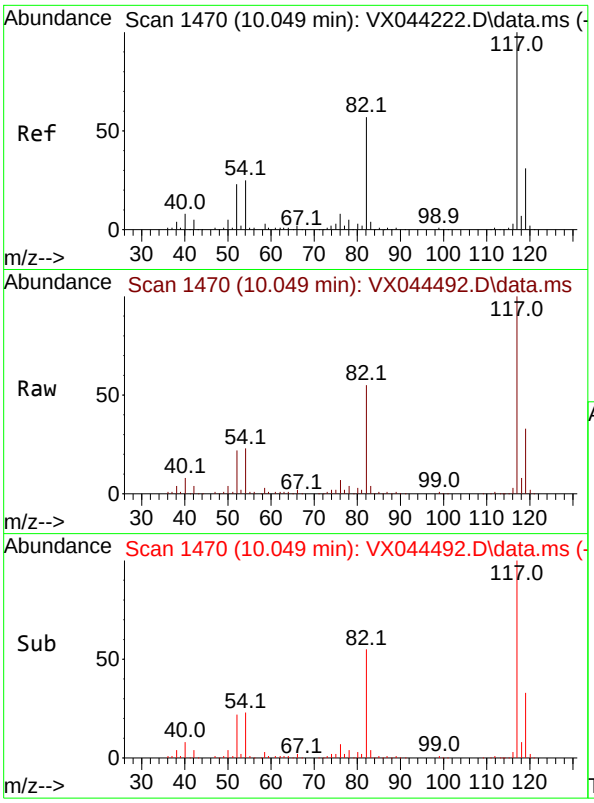




#62
4-Bromofluorobenzene
Concen: 43.908 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 95 Resp: 83671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.4 | 0.0 | 145.8 |
| 176 | 78.5 | 0.0 | 137.8 |



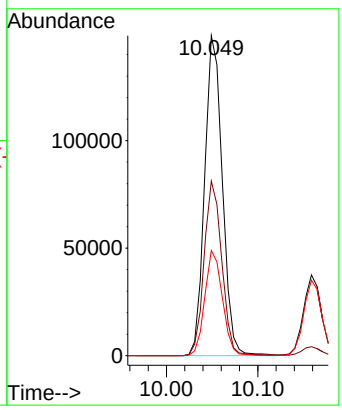


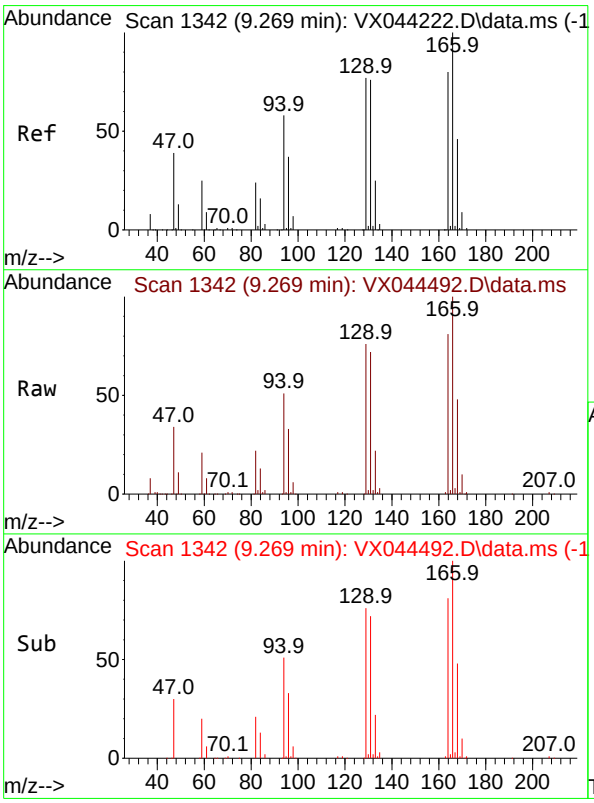

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 200491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.5 | 45.8 | 68.8 |
| 119 | 32.8 | 25.0 | 37.4 |

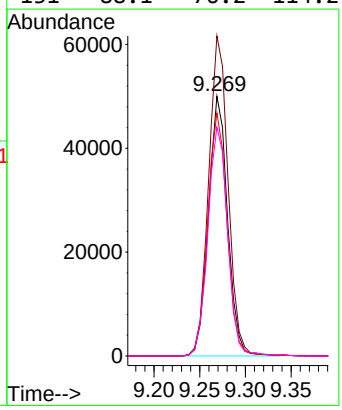


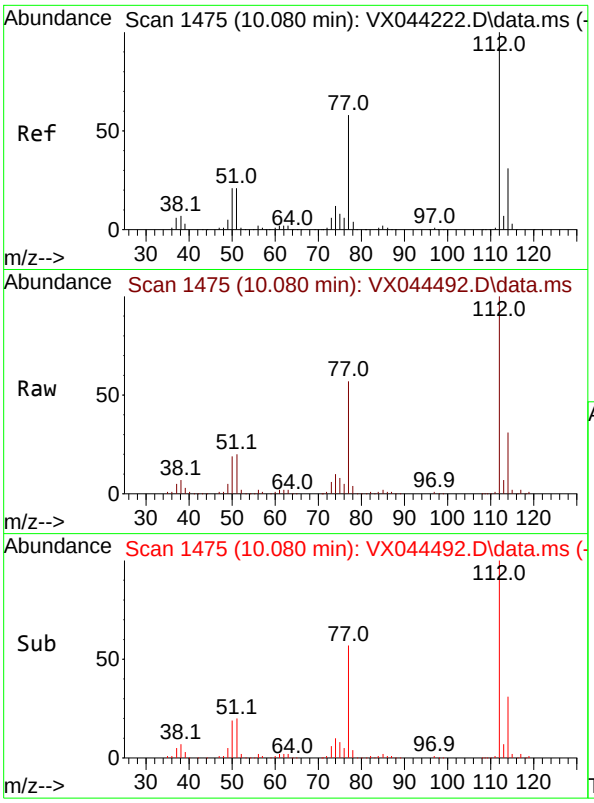




#64
Tetrachloroethene
Concen: 54.558 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:164 Resp: 72600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.2 | 100.4 | 150.6 |
| 129 | 93.6 | 77.2 | 115.8 |
| 131 | 88.1 | 76.2 | 114.2 |



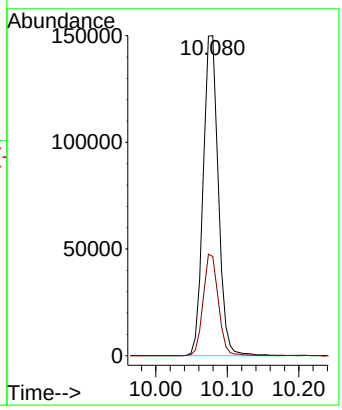


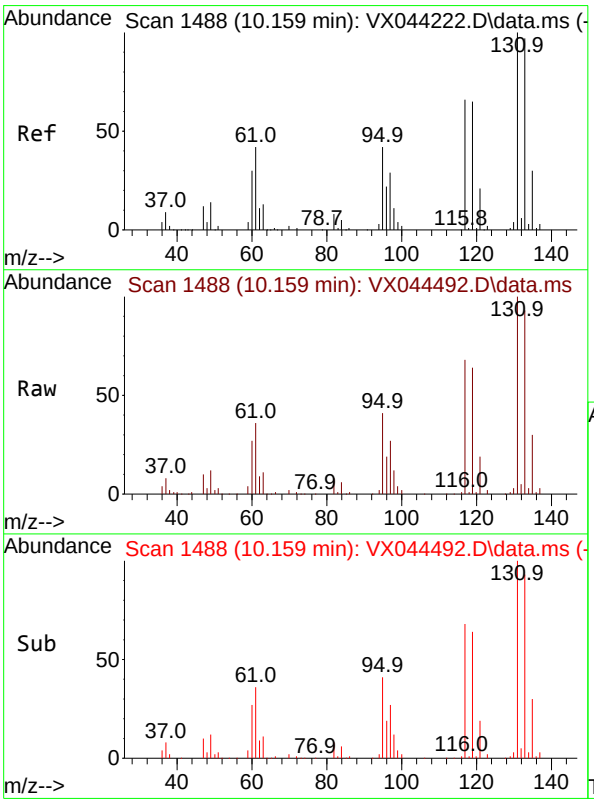

#65
Chlorobenzene
Concen: 51.470 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 221119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 25.0 | 37.6 |

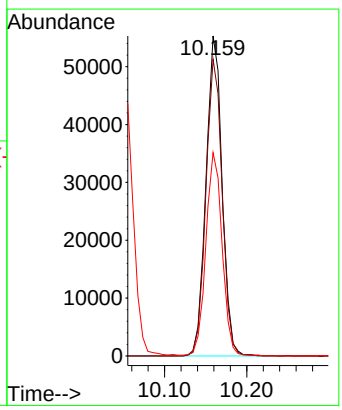


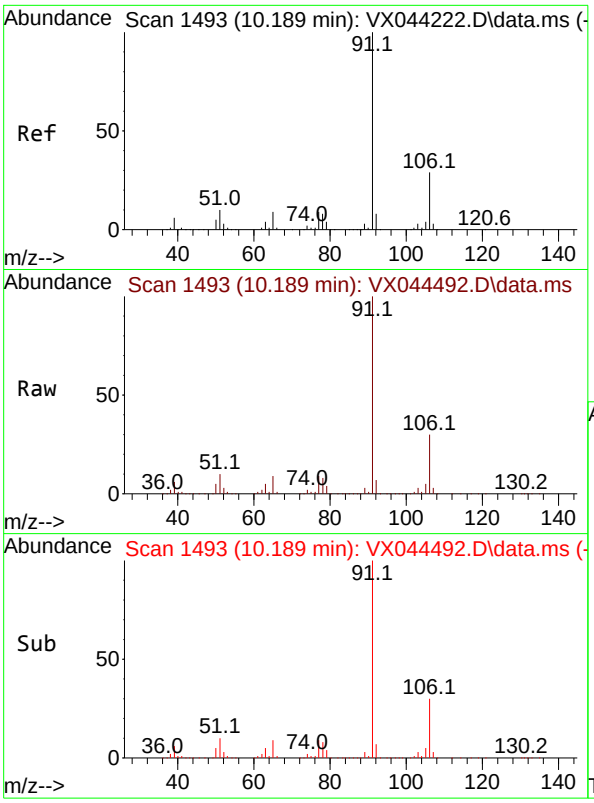




#66
1,1,1,2-Tetrachloroethane
Concen: 54.615 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:131 Resp: 75407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.5 | 47.3 | 141.8 |
| 119 | 64.0 | 31.6 | 95.0 |



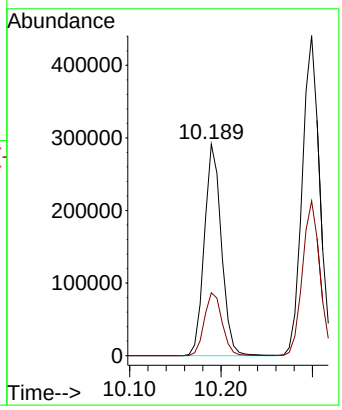


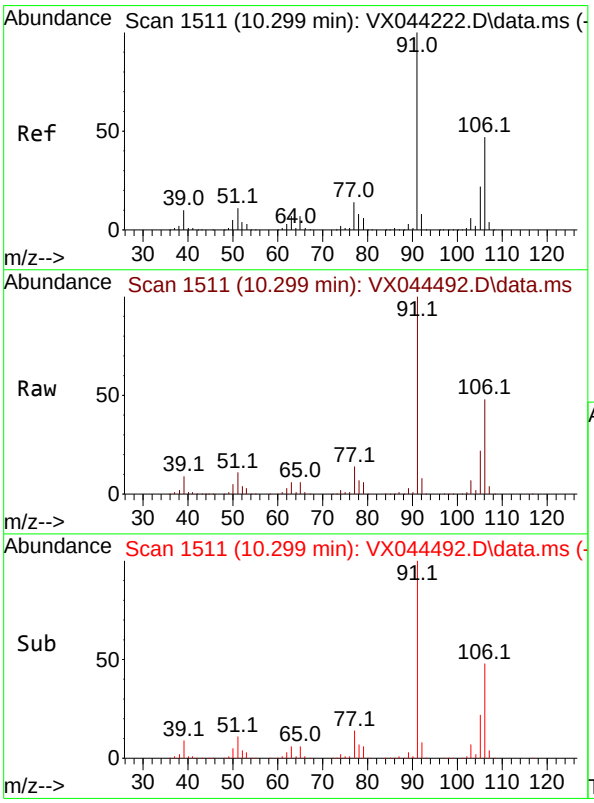

#67
Ethyl Benzene
Concen: 50.731 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 376573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.7 | 23.5 | 35.3 |

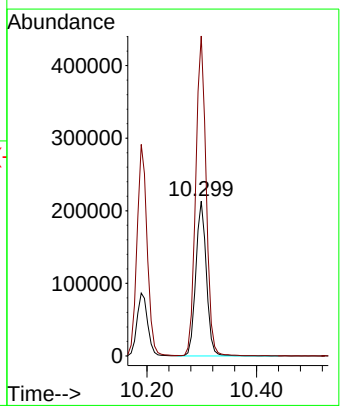


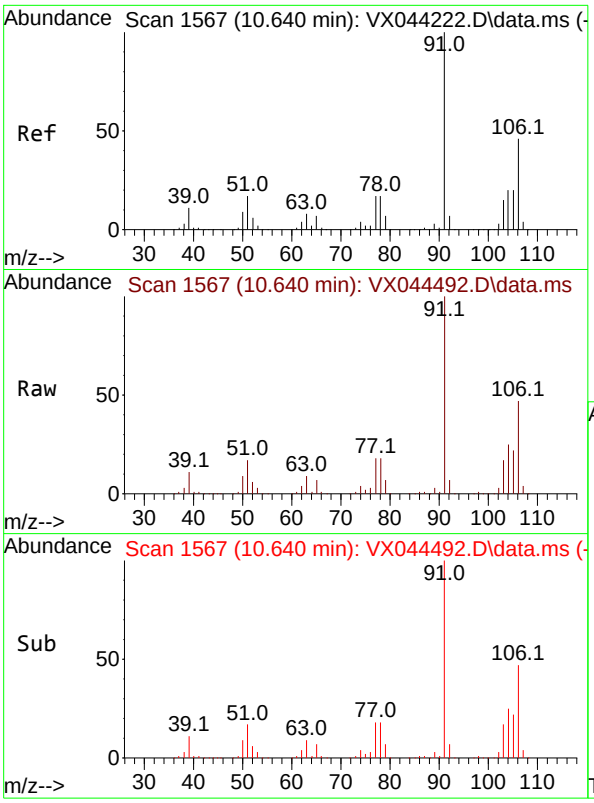




#68
m/p-Xylenes
Concen: 105.040 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:106 Resp: 286106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.9 | 170.2 | 255.2 |



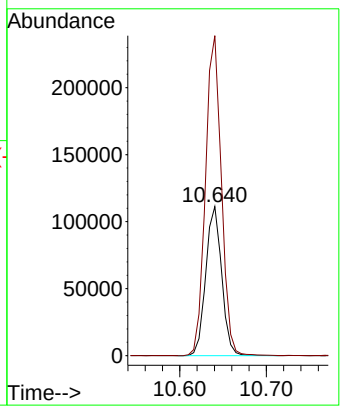


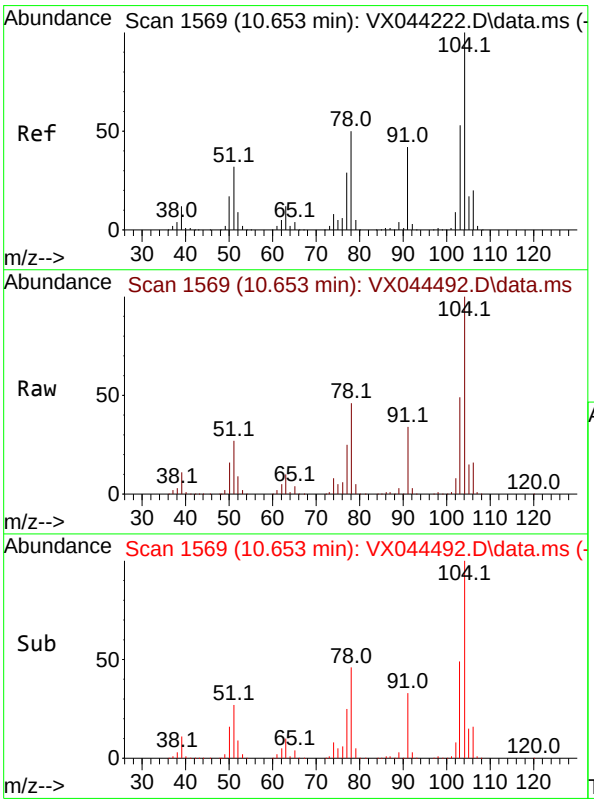

#69
o-Xylene
Concen: 51.527 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 142004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.0 | 112.3 | 337.0 |

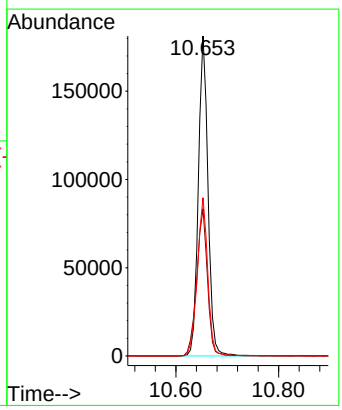


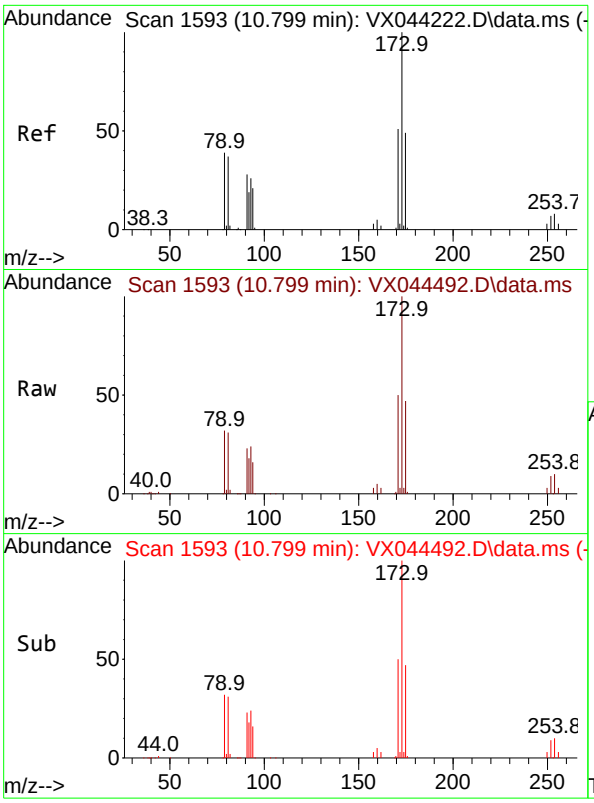




#70
Styrene
Concen: 53.584 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:104 Resp: 236734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.2 | 44.6 | 67.0 |
| 103 | 53.6 | 45.4 | 68.0 |



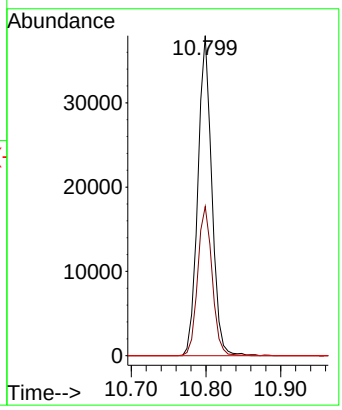


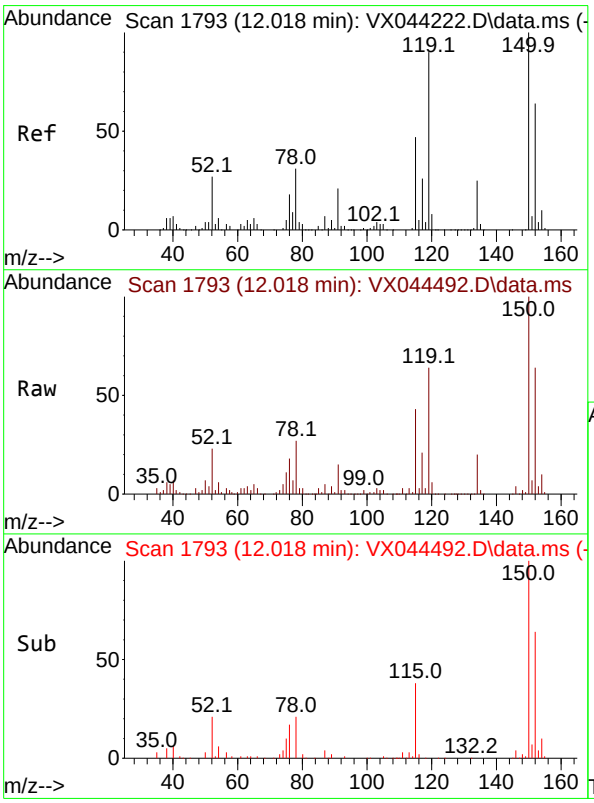

#71
Bromoform
Concen: 50.746 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 49054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

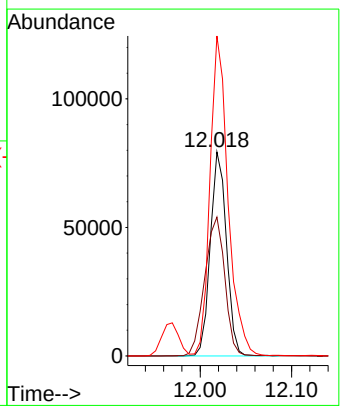


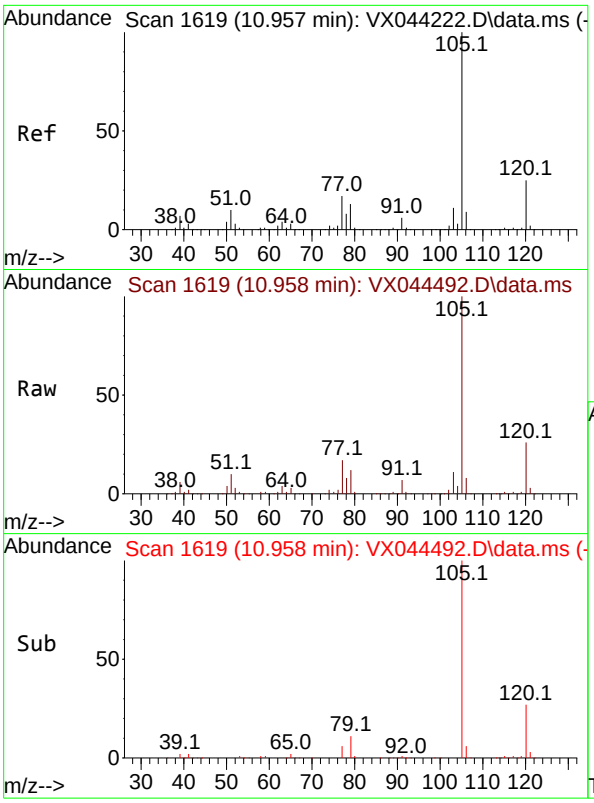




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:152 Resp: 97321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.8 | 44.5 | 133.3 |
| 150 | 174.1 | 0.0 | 353.8 |



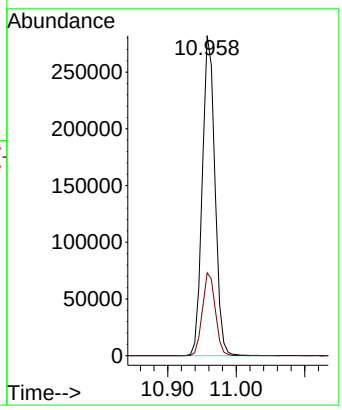


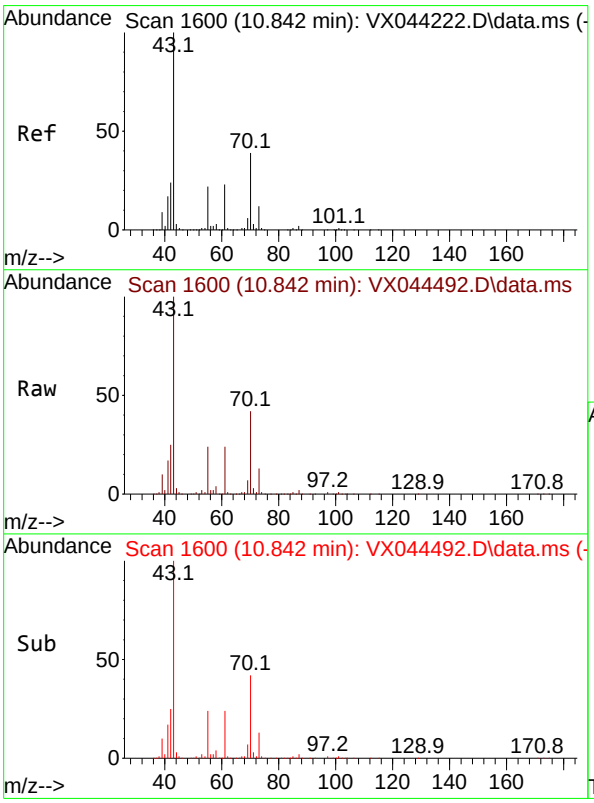

#73
Isopropylbenzene
Concen: 48.696 ug/l
RT: 10.958 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 362803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.1 | 39.3 |

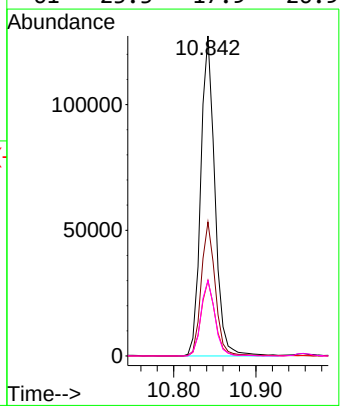


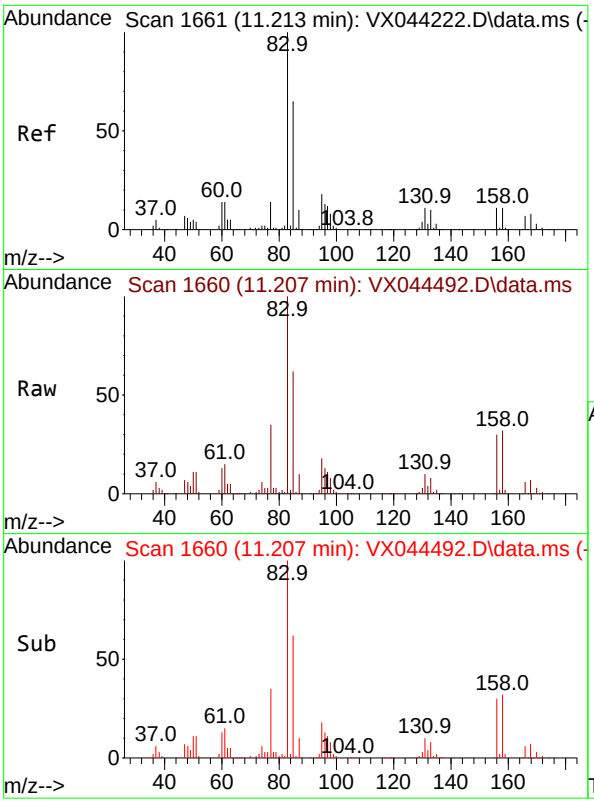




#74
N-amyl acetate
Concen: 44.229 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 43 Resp: 152291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.4 | 31.9 | 47.9 |
| 55 | 23.5 | 17.9 | 26.9 |
| 61 | 23.3 | 17.9 | 26.9 |



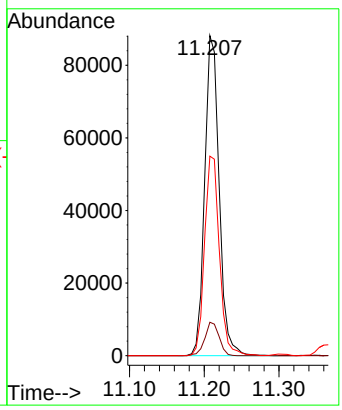


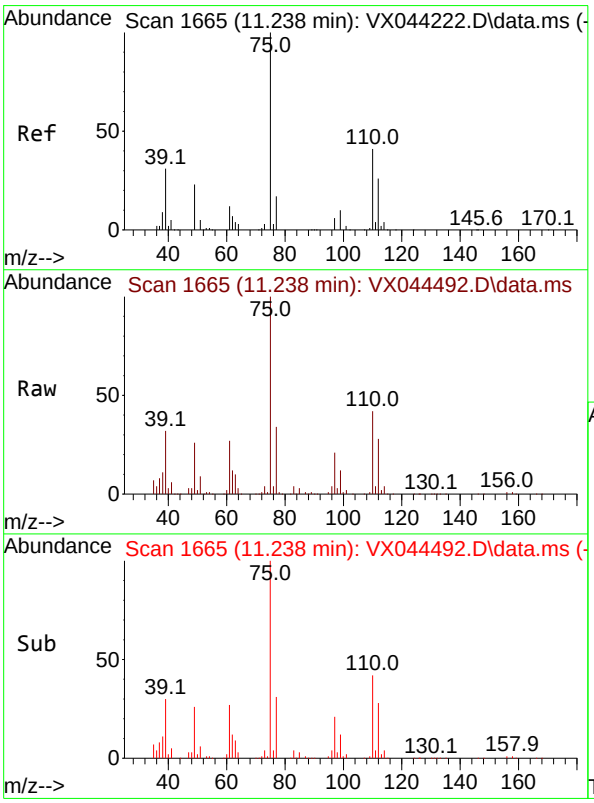

#75
1,1,2,2-Tetrachloroethane
Concen: 45.716 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 118300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.1 | 15.4 |
| 85 | 64.2 | 32.5 | 97.4 |

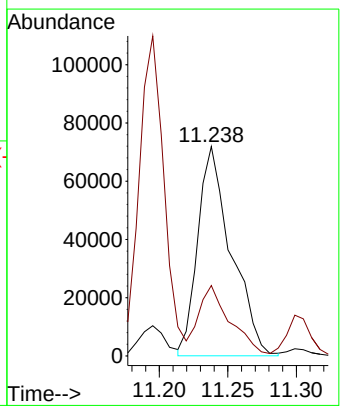


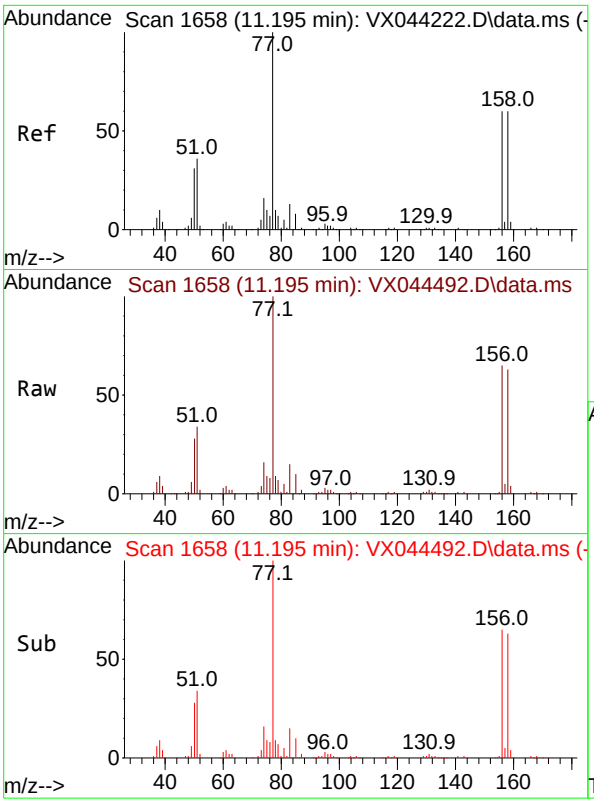




#76
1,2,3-Trichloropropane
Concen: 56.359 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 75 Resp: 122464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 20.9 | 62.7 |



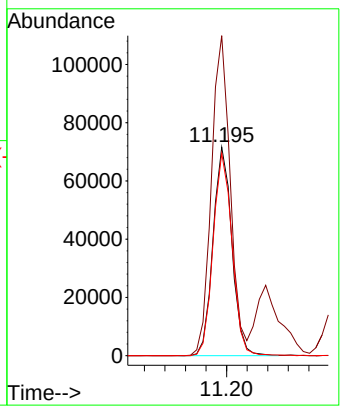


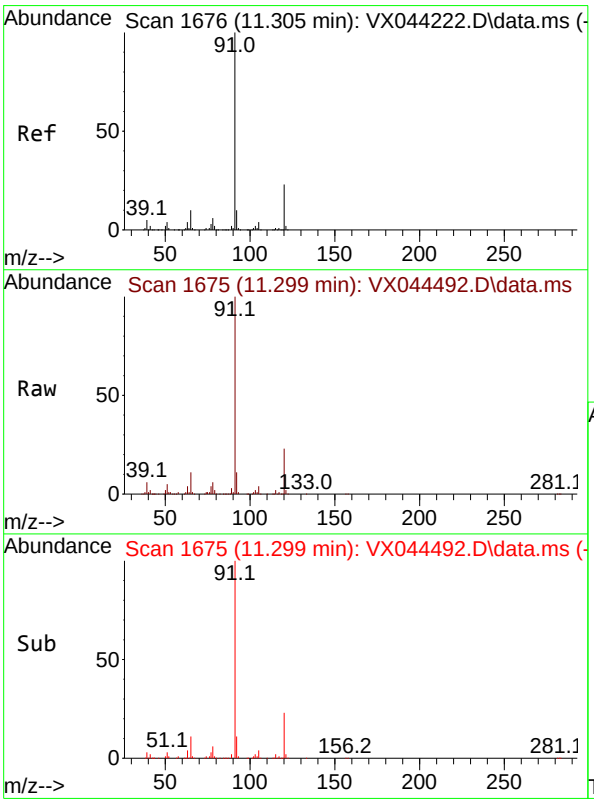

#77
Bromobenzene
Concen: 50.455 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 91156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 153.3 | 82.6 | 247.8 |
| 158 | 97.5 | 48.8 | 146.4 |

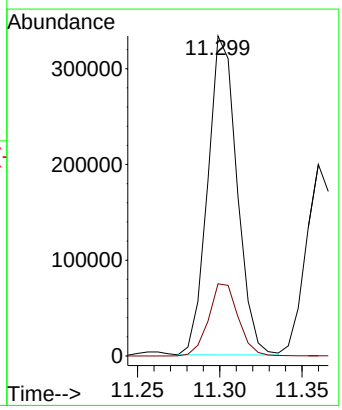


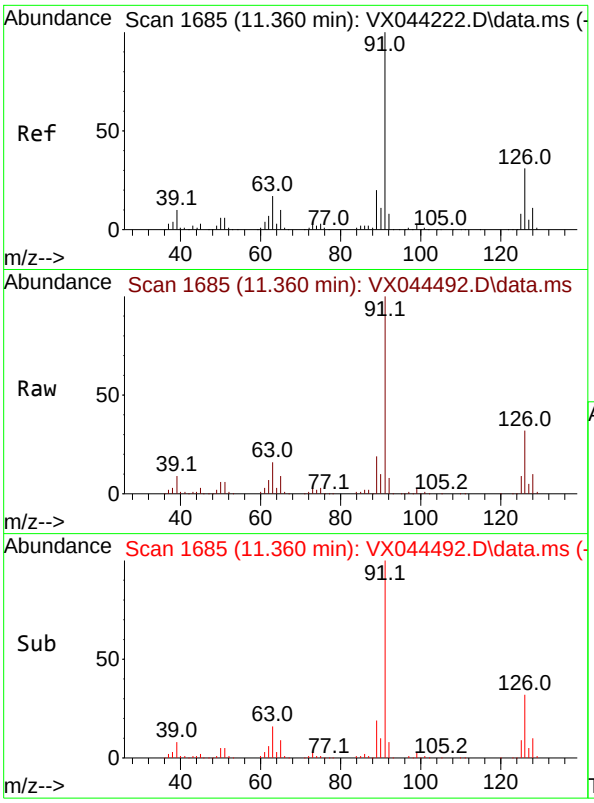




#78
n-propylbenzene
Concen: 50.048 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 91 Resp: 412127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.0 | 33.0 |



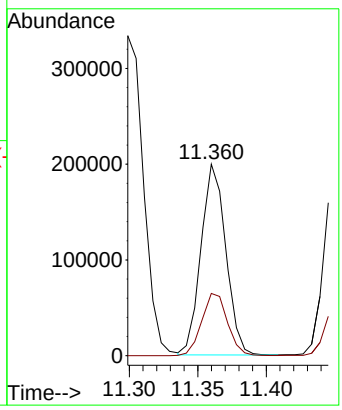


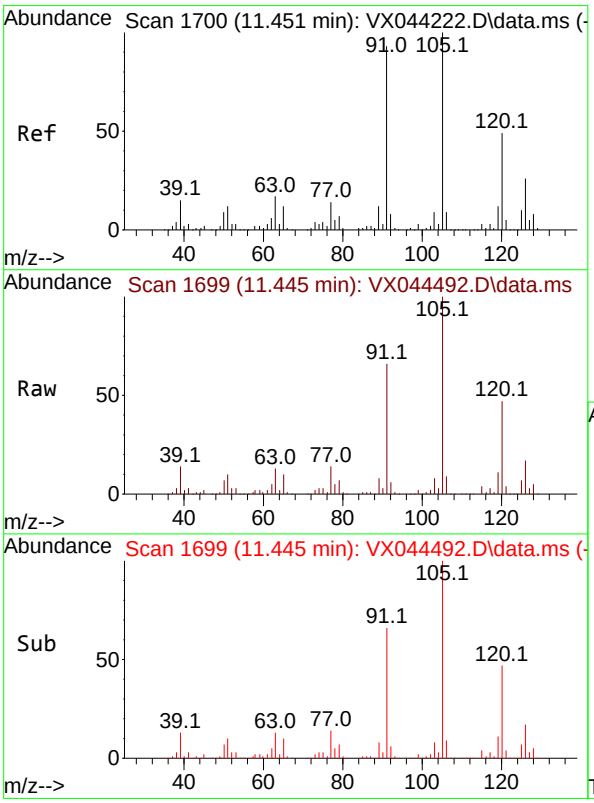

#79
2-Chlorotoluene
Concen: 47.209 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 251412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.1 |

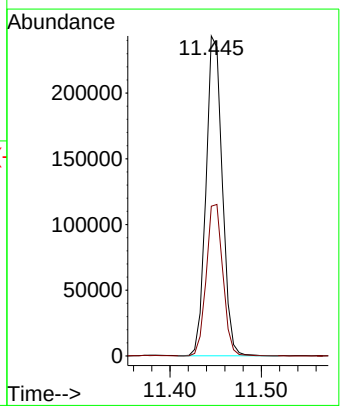


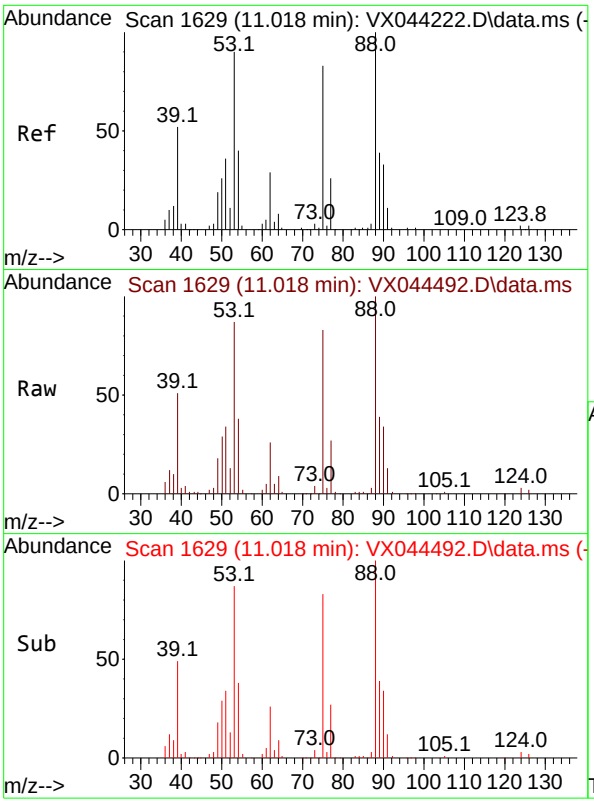




#80
1,3,5-Trimethylbenzene
Concen: 48.618 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:105 Resp: 300384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 23.8 | 71.4 |



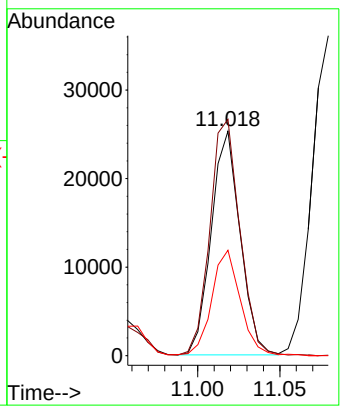


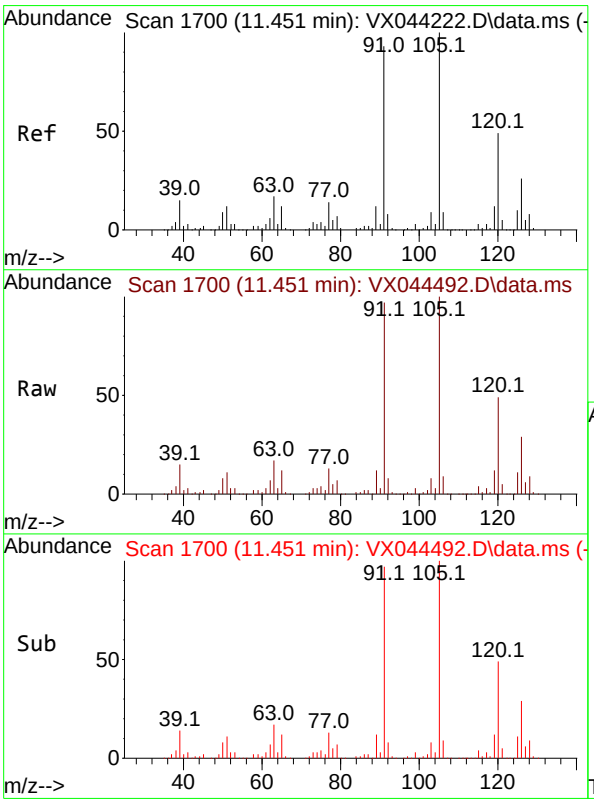

#81
trans-1,4-Dichloro-2-butene
Concen: 41.730 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 30857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 110.0 | 93.6 | 140.4 |
| 89 | 47.2 | 37.3 | 55.9 |

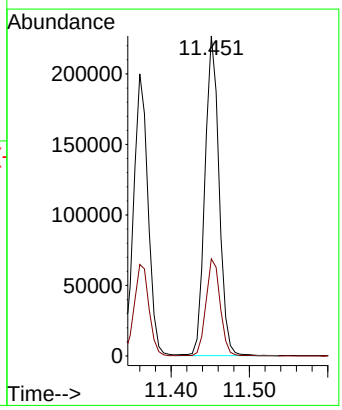


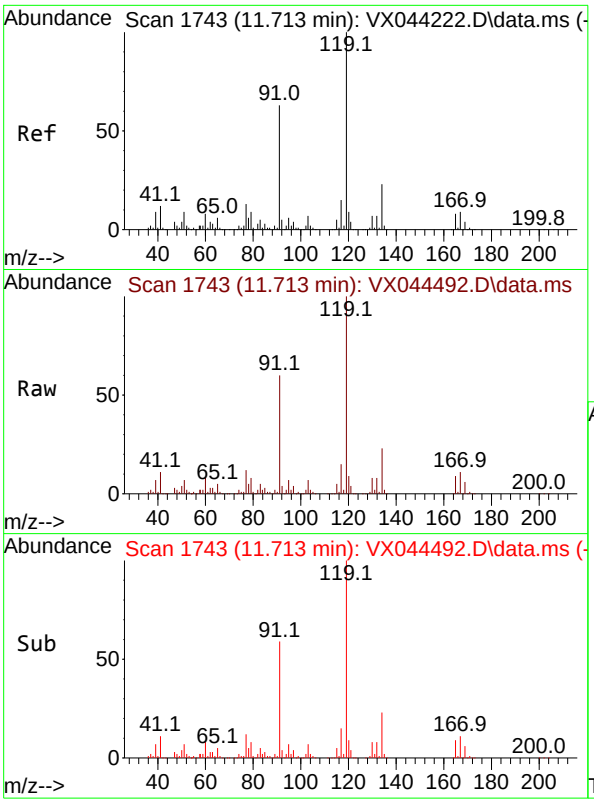




#82
4-Chlorotoluene
Concen: 48.094 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 91 Resp: 283625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.7 | 14.5 | 43.5 |



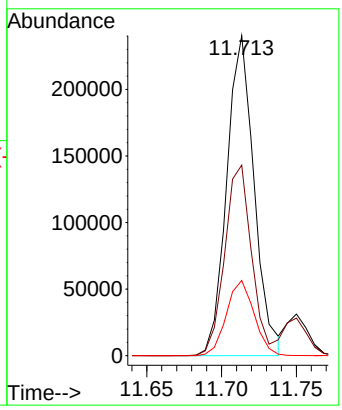


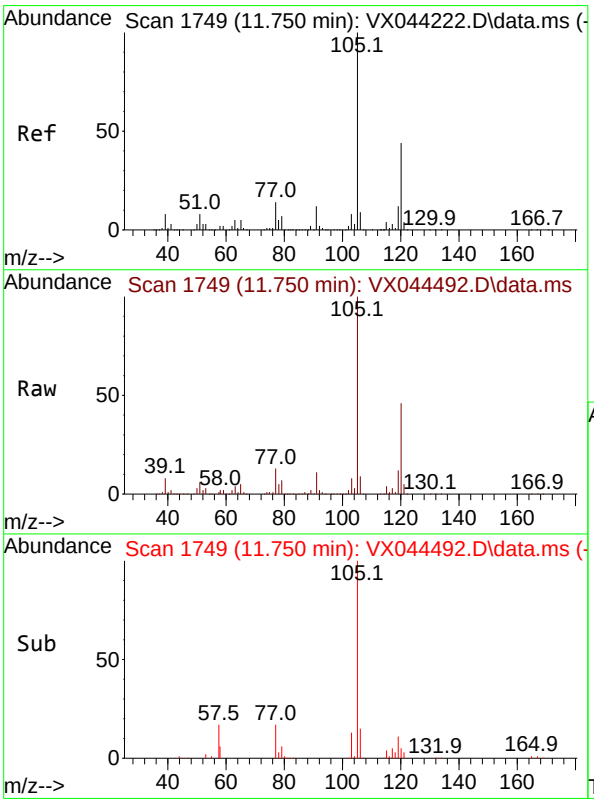

#83
tert-Butylbenzene
Concen: 50.203 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 306541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.2 | 30.9 | 92.5 |
| 134 | 23.8 | 11.5 | 34.4 |

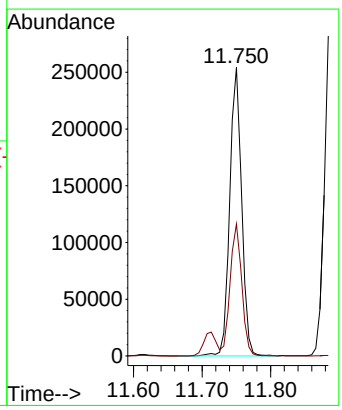


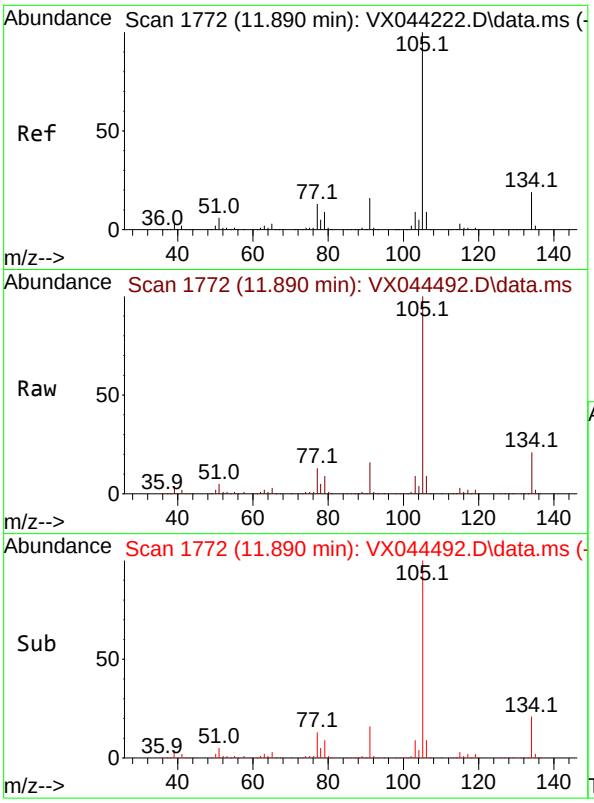




#84
1,2,4-Trimethylbenzene
Concen: 50.368 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:105 Resp: 305617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.0 | 21.7 | 65.1 |



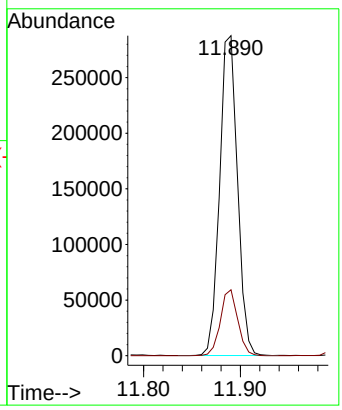


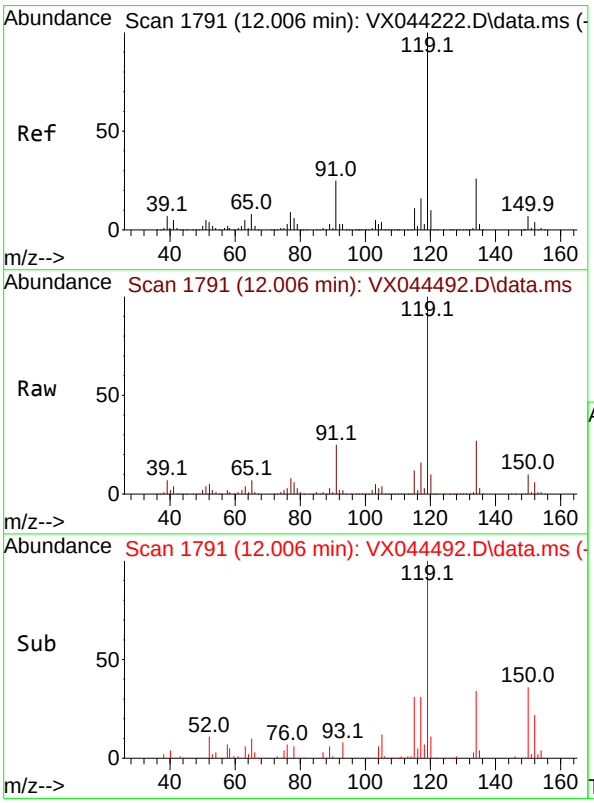

#85
sec-Butylbenzene
Concen: 49.579 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 367512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.1 | 9.8 | 29.4 |

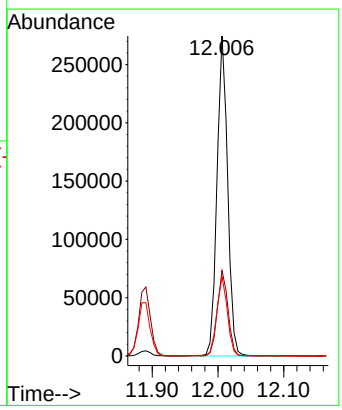


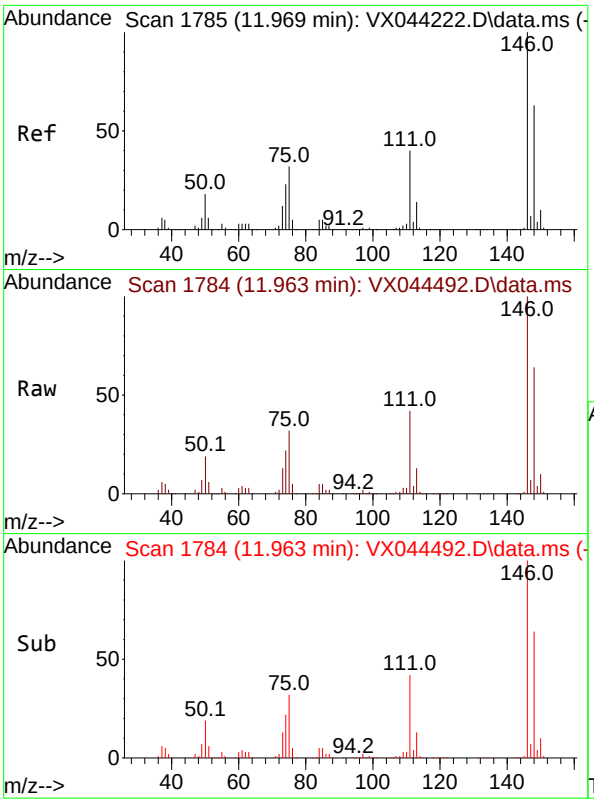




#86
p-Isopropyltoluene
Concen: 50.162 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:119 Resp: 309480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.7 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |



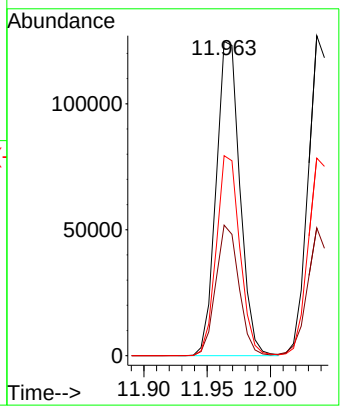


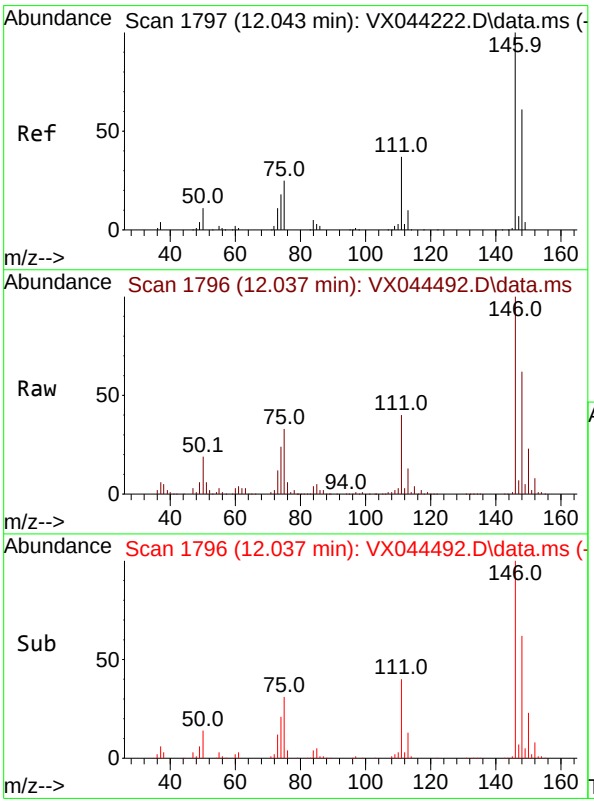

#87
1,3-Dichlorobenzene
Concen: 51.562 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 162721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 21.4 | 64.2 |
| 148 | 63.1 | 31.7 | 95.1 |

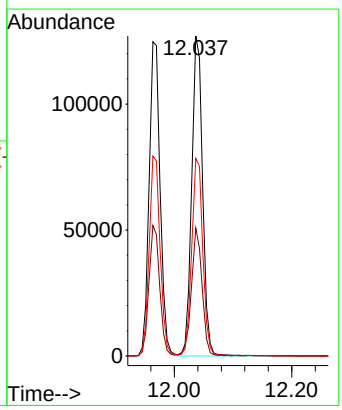


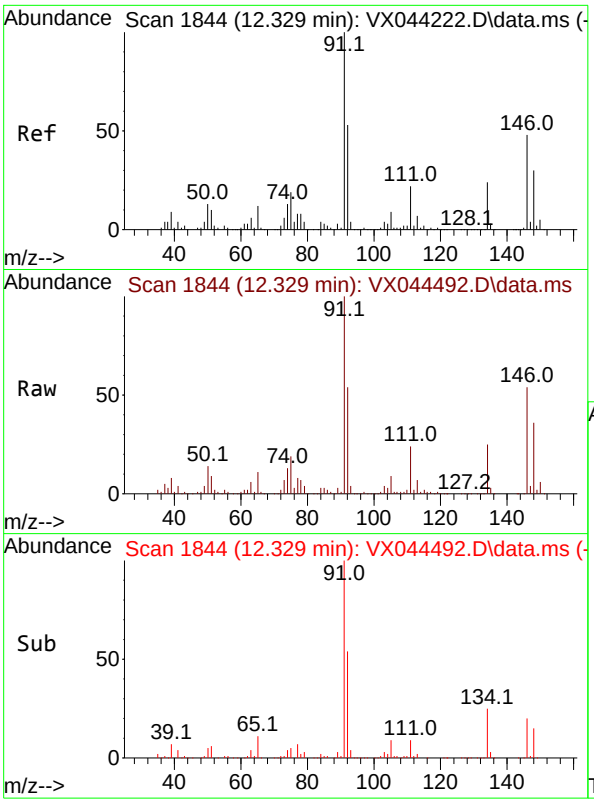




#88
1,4-Dichlorobenzene
Concen: 50.314 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:146 Resp: 163225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.0 | 21.0 | 63.0 |
| 148 | 62.6 | 32.3 | 96.8 |



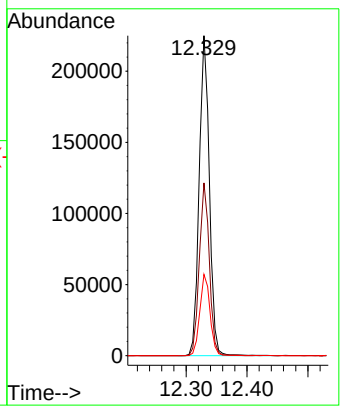


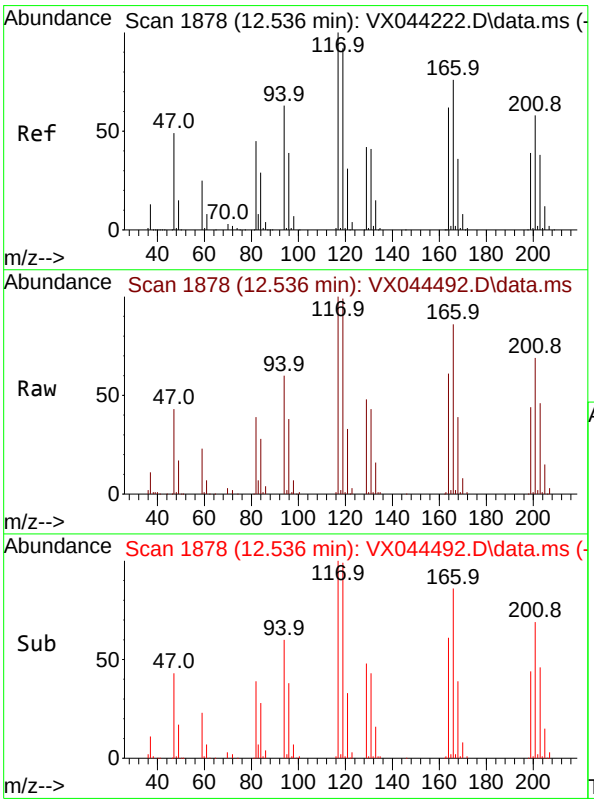

#89
n-Butylbenzene
Concen: 50.094 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 259880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 26.6 | 79.7 |
| 134 | 25.7 | 12.6 | 37.8 |

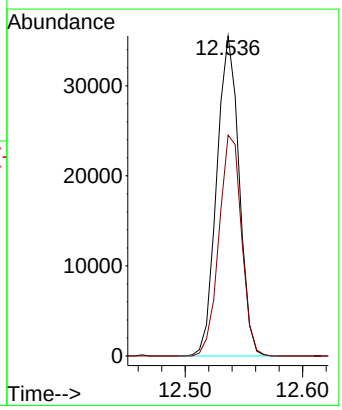


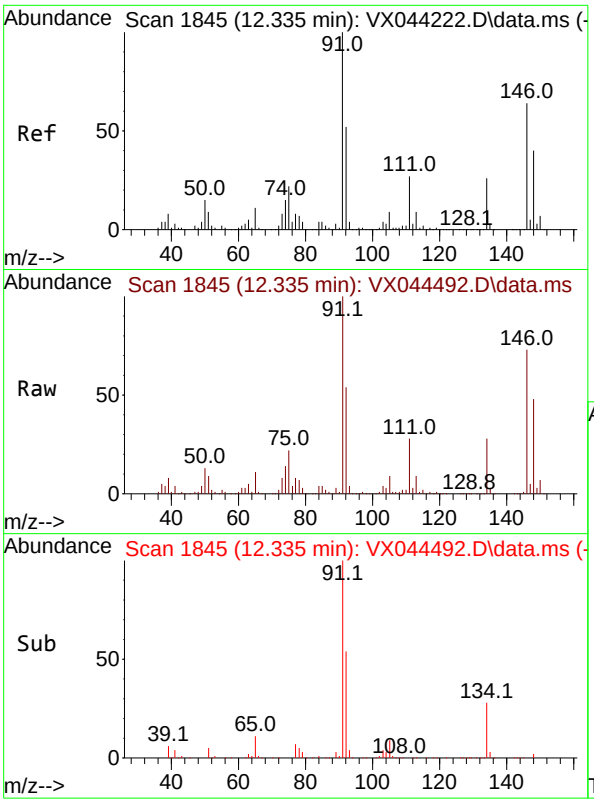




#90
Hexachloroethane
Concen: 52.126 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:117 Resp: 46945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 69.5 | 31.4 | 94.2 |



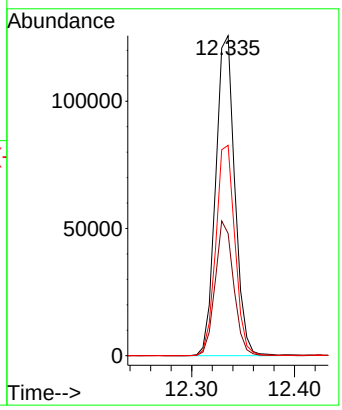


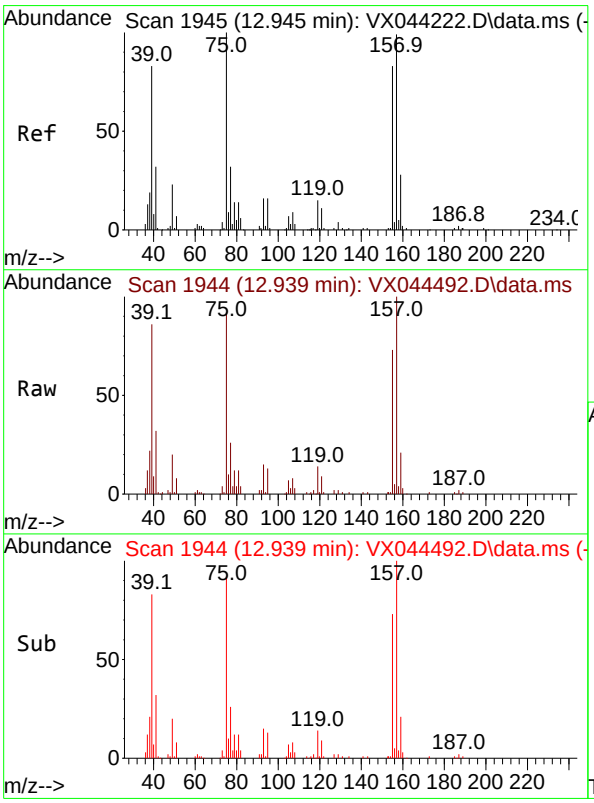

#91
1,2-Dichlorobenzene
Concen: 49.511 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 162236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 21.4 | 64.3 |
| 148 | 65.8 | 31.6 | 95.0 |

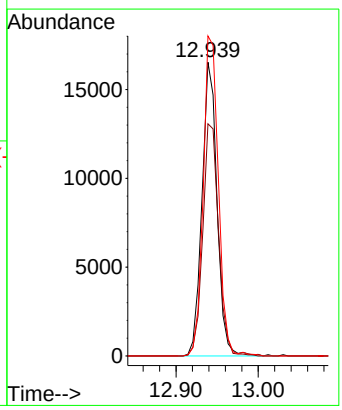


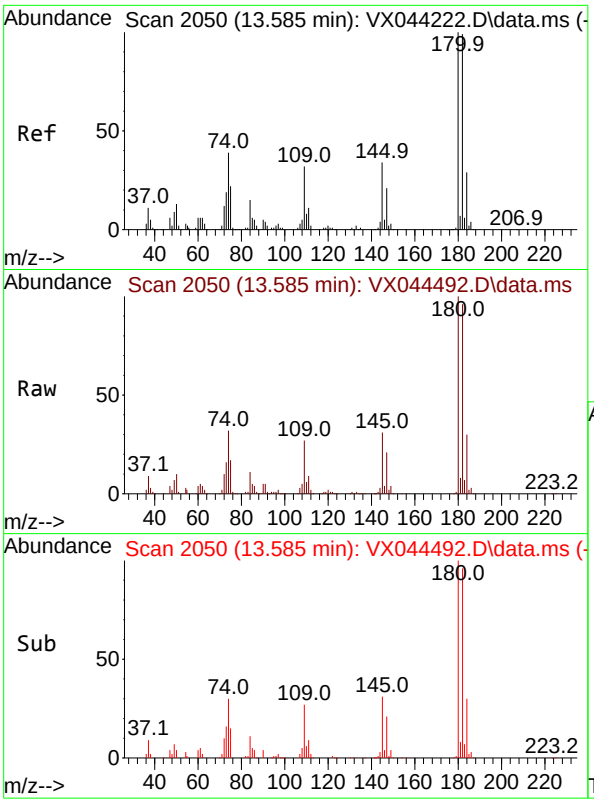




#92
1,2-Dibromo-3-Chloropropane
Concen: 41.860 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion: 75 Resp: 21028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.7 | 38.1 | 114.3 |
| 157 | 110.0 | 47.2 | 141.6 |



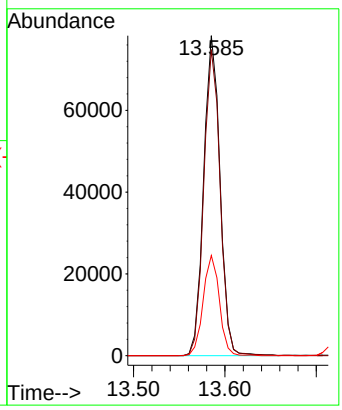


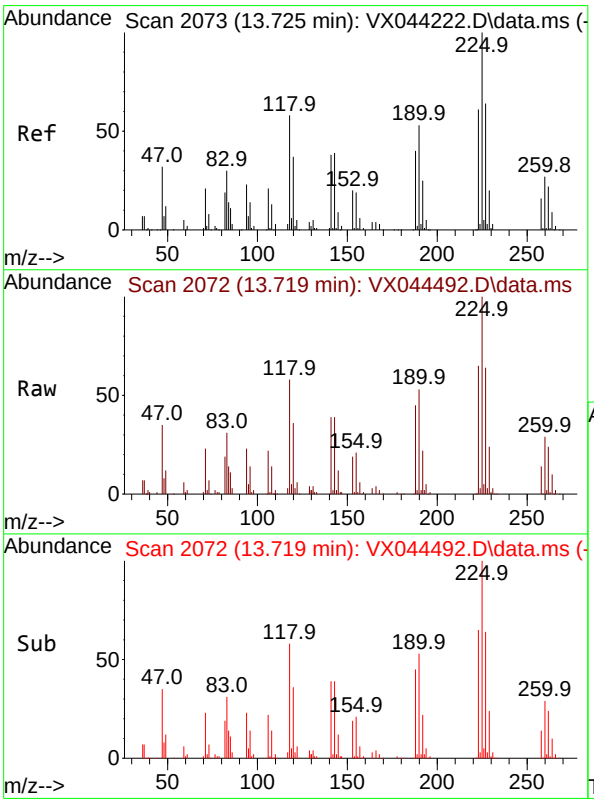

#93
1,2,4-Trichlorobenzene
Concen: 54.137 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 97256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 48.0 | 144.2 |
| 145 | 31.0 | 16.6 | 49.7 |

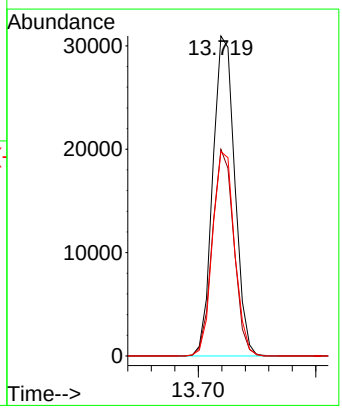


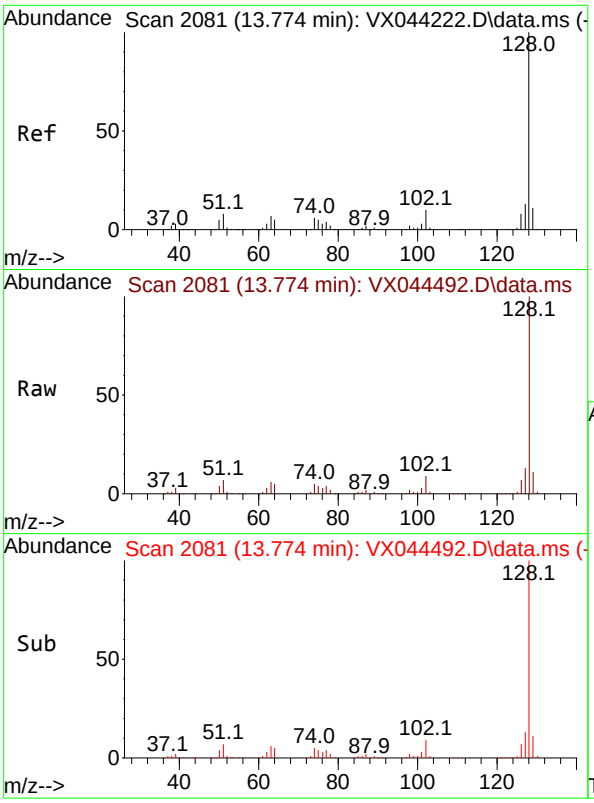




#94
Hexachlorobutadiene
Concen: 55.660 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:225 Resp: 40220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 30.8 | 92.4 |
| 227 | 63.8 | 32.1 | 96.3 |



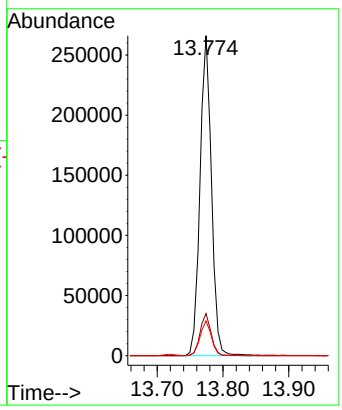


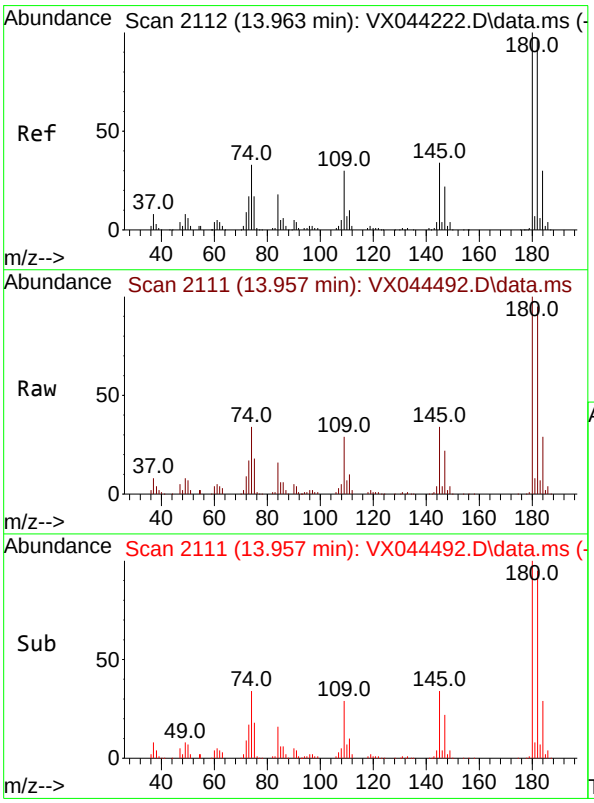

#95
Naphthalene
Concen: 45.897 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 321843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |

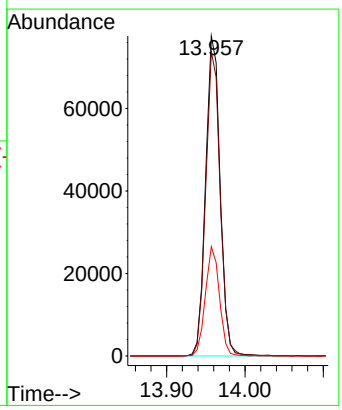



#96
1,2,3-Trichlorobenzene
Concen: 52.126 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044492.D
Acq: 23 Dec 2024 19:49

Tgt Ion:180 Resp: 99323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 48.0 | 144.0 |
| 145 | 33.3 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 137969 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 223553 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 195826 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 98470 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 98268 | 40.623 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 81.240% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 77511 | 50.062 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.120% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 257484 | 49.293 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.580% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92916 | 50.906 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.820% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 97119 | 45.524 | ug/l | 97 |
| 3) Chloromethane | 1.294 | 50 | 89508 | 43.875 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 92481 | 43.513 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 62273 | 41.301 | ug/l | 98 |
| 6) Chloroethane | 1.660 | 64 | 58013 | 43.836 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 169183 | 40.661 | ug/l | 100 |
| 8) Diethyl Ether | 2.130 | 74 | 65134 | 45.861 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 83029 | 49.314 | ug/l | 94 |
| 10) Methyl Iodide | 2.441 | 142 | 110611 | 49.847 | ug/l | 95 |
| 11) Tert butyl alcohol | 2.995 | 59 | 69435 | 203.663 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 75538 | 48.846 | ug/l | 91 |
| 13) Acrolein | 2.233 | 56 | 70342 | 142.534 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 115796 | 44.955 | ug/l | 98 |
| 15) Acrylonitrile | 3.069 | 53 | 220193 | 233.158 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 194756 | 197.479 | ug/l | 100 |
| 17) Carbon Disulfide | 2.495 | 76 | 133615 | 45.453 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 118398 | 46.562 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 261931 | 43.403 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 83957 | 45.325 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 74662 | 45.427 | ug/l | 97 |
| 22) Diisopropyl ether | 3.764 | 45 | 251297 | 43.324 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1085699 | 230.231 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 147276 | 45.551 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 304270 | 217.020 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 122500 | 46.637 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 96079 | 46.029 | ug/l | 94 |
| 28) Bromochloromethane | 4.897 | 49 | 67730 | 42.719 | ug/l | 92 |
| 29) Tetrahydrofuran | 5.007 | 42 | 195789 | 217.562 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 160188 | 44.097 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 115447 | 44.218 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 139739 | 46.342 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 98907 | 49.419 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 117573 | 47.524 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 113637 | 52.739 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 128975 | 53.905 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 313533 | 51.597 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 63812 | 48.575 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 122458 | 48.922 | ug/l | | 96 |
| 43) Isopropyl Acetate | 6.342 | 43 | 191709 | 49.578 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 81658 | 53.888 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 79249 | 51.047 | ug/l | | 93 |
| 46) Dibromomethane | 7.580 | 93 | 61783 | 51.298 | ug/l | | 91 |
| 47) Bromodichloromethane | 7.818 | 83 | 112645 | 54.155 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 91897 | 48.959 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 27012 | 867.976 | ug/l | # | 86 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 622530 | 250.388 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 195660 | 51.274 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 109219 | 48.988 | ug/l | | 94 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 122807 | 54.223 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 81590 | 53.821 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 122100 | 51.019 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 134878 | 51.116 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 279710 | 231.727 | ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 456184 | 253.490 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.519 | 129 | 84109 | 52.230 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 86500 | 56.057 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.269 | 164 | 73466 | 56.524 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 222713 | 53.076 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 77293 | 57.314 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 381762 | 52.655 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 283669 | 106.627 | ug/l | | 97 |
| 69) o-Xylene | 10.640 | 106 | 142859 | 53.072 | ug/l | | 94 |
| 70) Styrene | 10.653 | 104 | 239936 | 55.603 | ug/l | | 96 |
| 71) Bromoform | 10.799 | 173 | 53742 | 56.136 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 371310 | 49.257 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 159962 | 45.915 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 122724 | 46.872 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 134654 | 61.245 | ug/l | | 86 |
| 77) Bromobenzene | 11.195 | 156 | 93453 | 51.123 | ug/l | | 93 |
| 78) n-propylbenzene | 11.305 | 91 | 414470 | 49.746 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 253407 | 47.028 | ug/l | | 95 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 309707 | 49.542 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 33669 | 44.565 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 289361 | 48.495 | ug/l | | 97 |
| 83) tert-Butylbenzene | 11.713 | 119 | 311269 | 50.383 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 311357 | 50.715 | ug/l | | 96 |
| 85) sec-Butylbenzene | 11.890 | 105 | 385987 | 51.464 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 323908 | 51.888 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 167888 | 52.579 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 166124 | 50.610 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 273813 | 52.164 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 48767 | 53.517 | ug/l | | 88 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 169759 | 51.202 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 23942 | 47.105 | ug/l | | 83 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 103255 | 56.806 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 43572 | 59.595 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 362347 | 51.070 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 108119 | 56.081 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

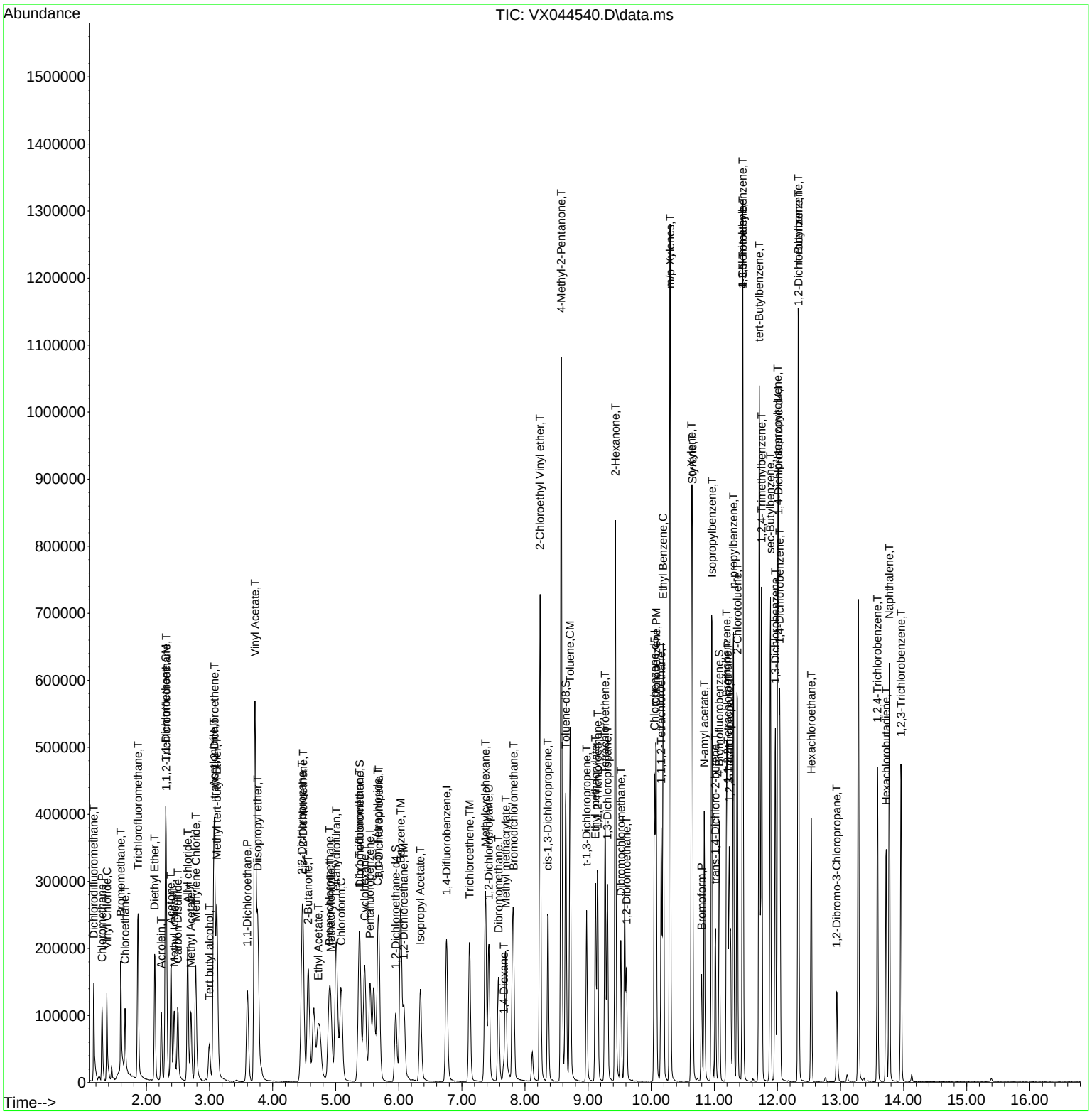
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

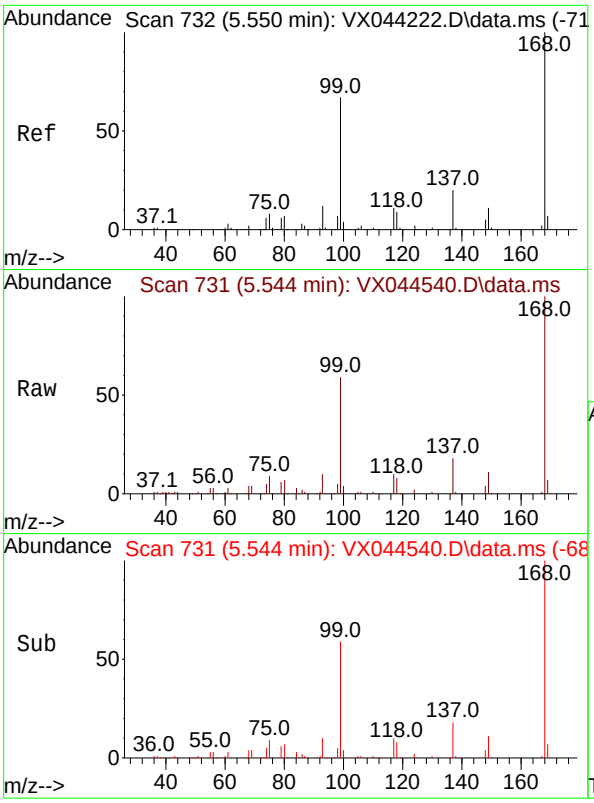
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



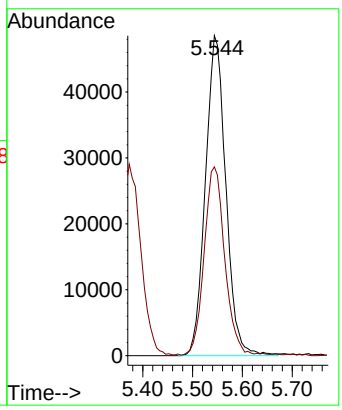


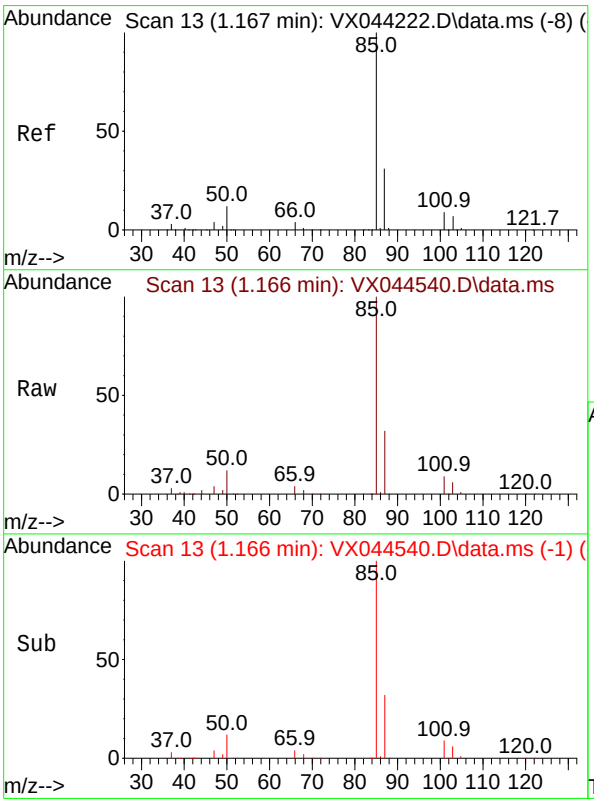

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 137969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.6 | 53.4 | 80.0 |

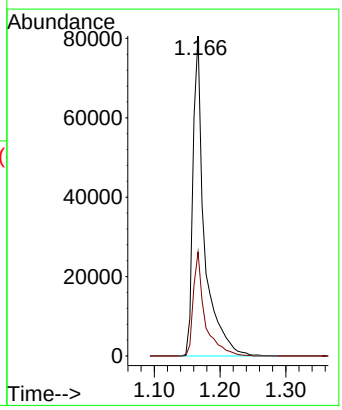


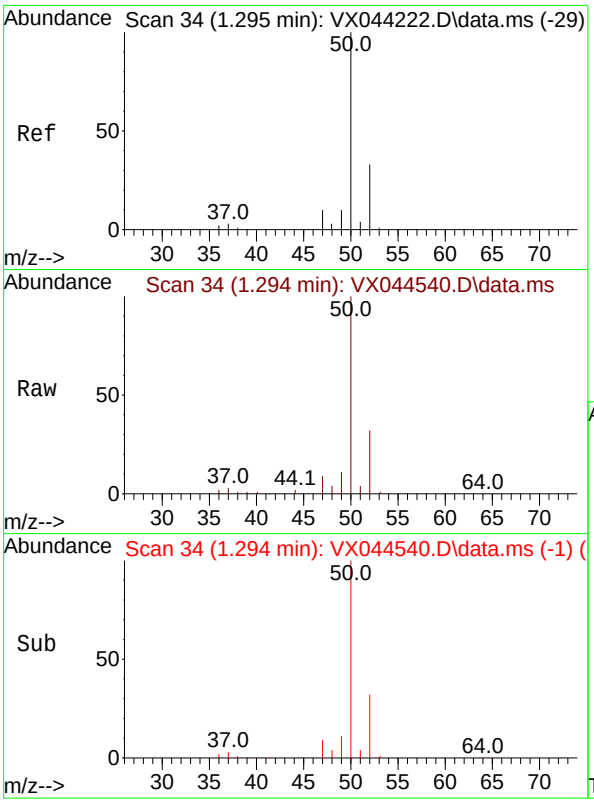




#2
Dichlorodifluoromethane
Concen: 45.524 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 85 Resp: 97119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 15.4 | 46.4 |



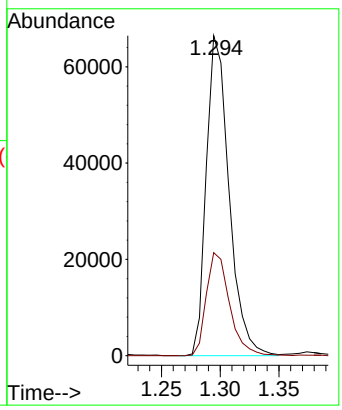


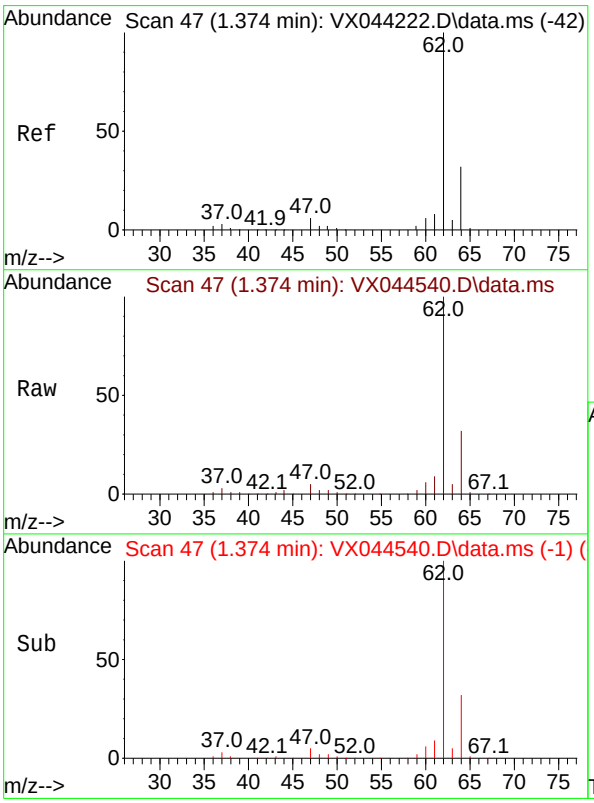

#3
Chloromethane
Concen: 43.875 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 89508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 26.5 | 39.7 |

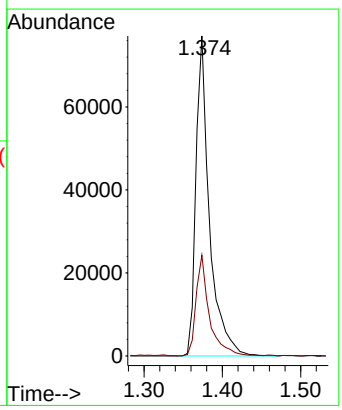


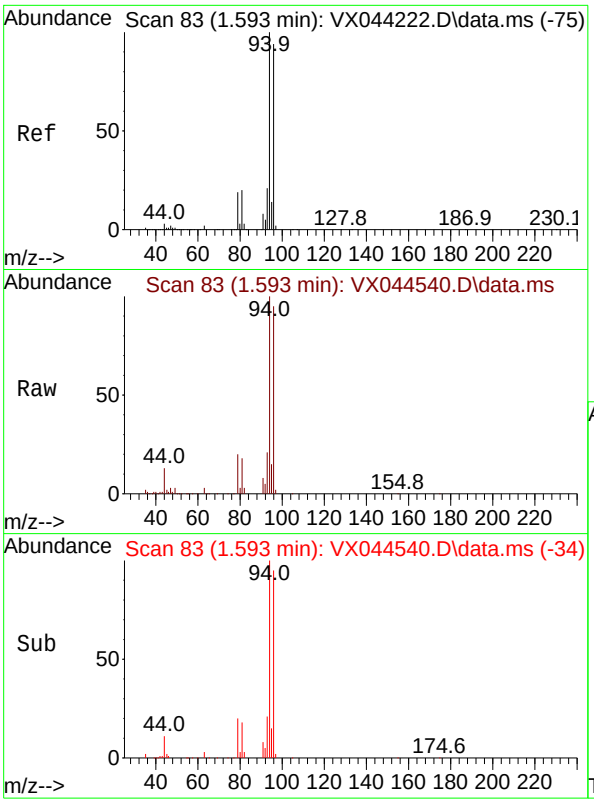




#4
Vinyl Chloride
Concen: 43.513 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 62 Resp: 92481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 25.7 | 38.5 |



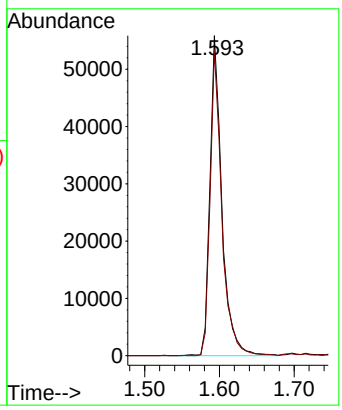


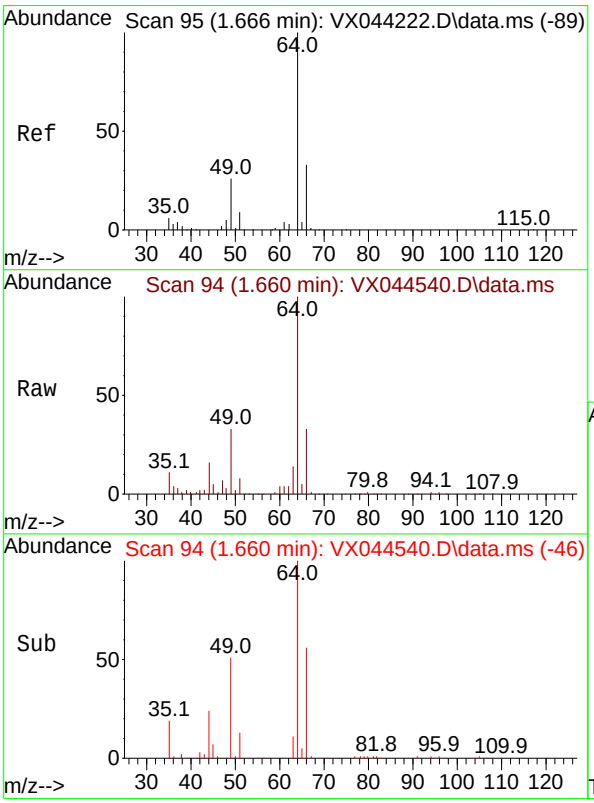

#5
Bromomethane
Concen: 41.301 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 62273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.3 | 74.9 | 112.3 |

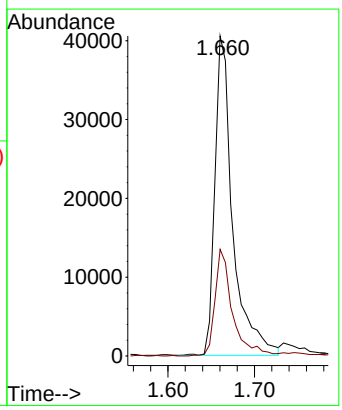


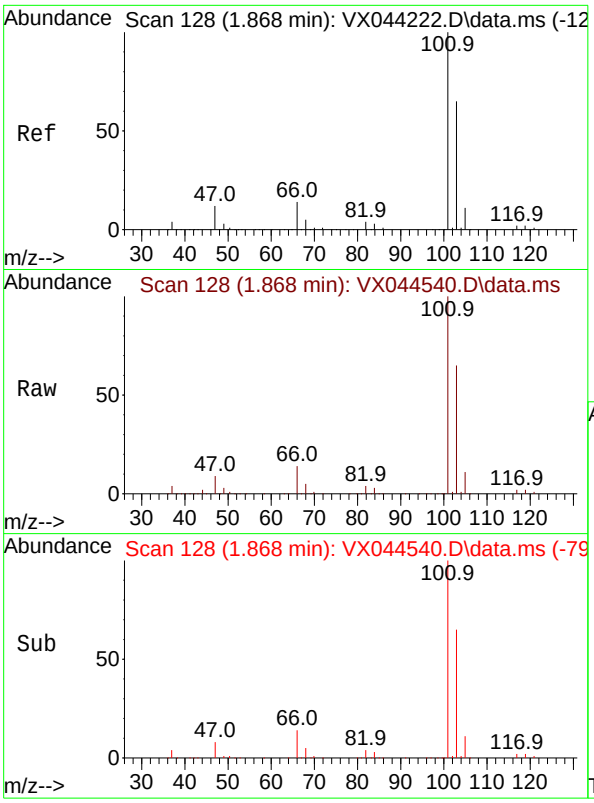




#6
Chloroethane
Concen: 43.836 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 64 Resp: 58013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.4 | 26.6 | 39.8 |



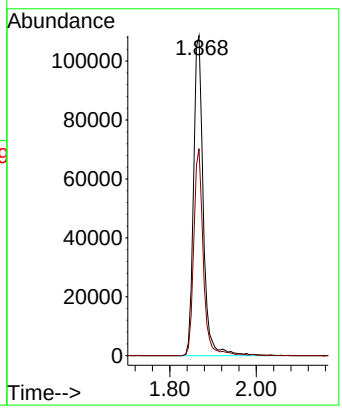


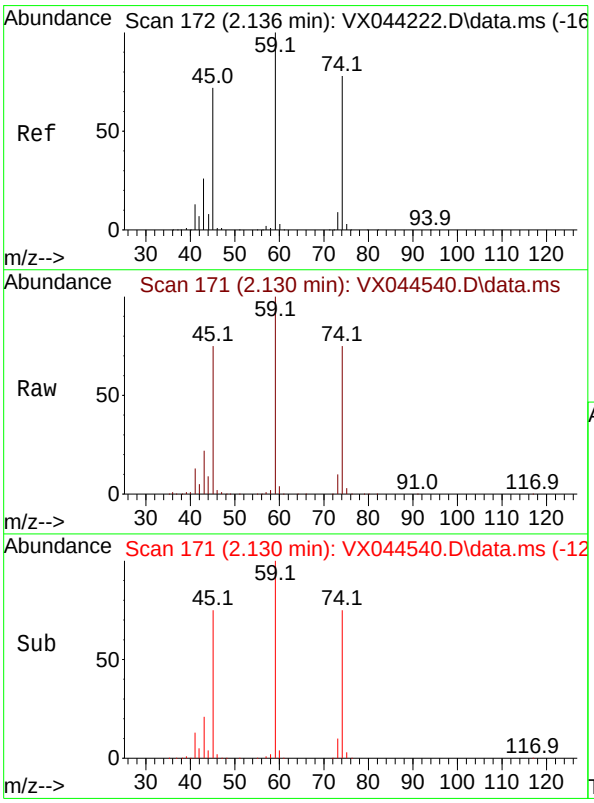

#7
Trichlorofluoromethane
Concen: 40.661 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 169183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.7 | 51.8 | 77.8 |

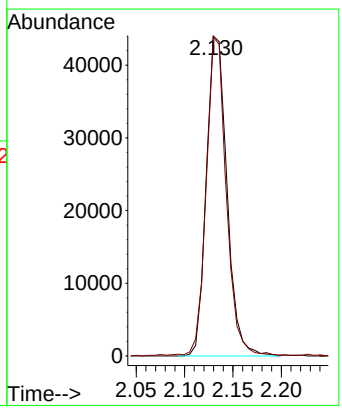


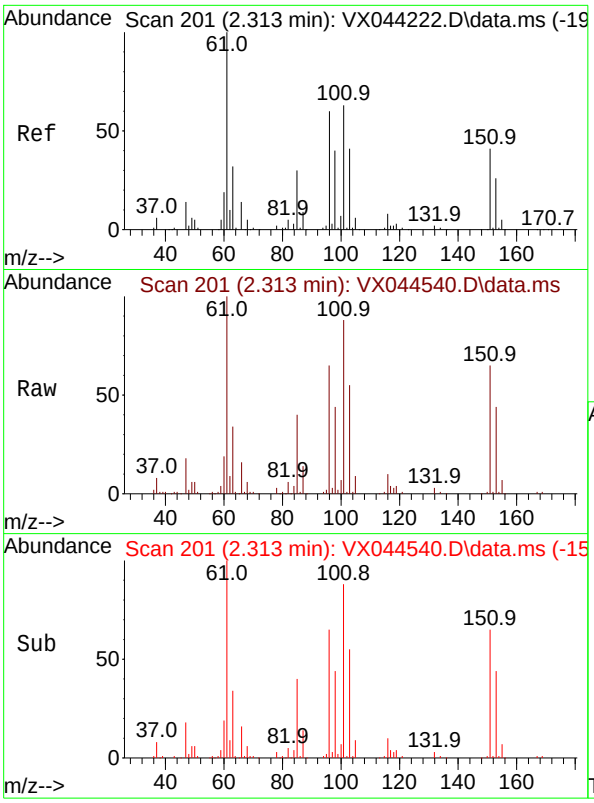




#8
Diethyl Ether
Concen: 45.861 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 74 Resp: 65134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.6 | 48.4 | 145.0 |



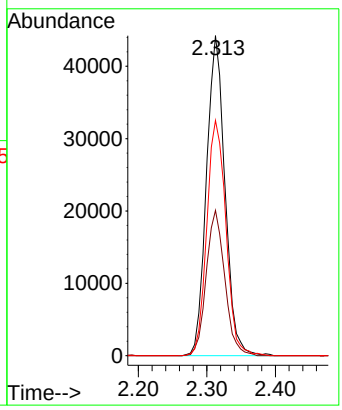


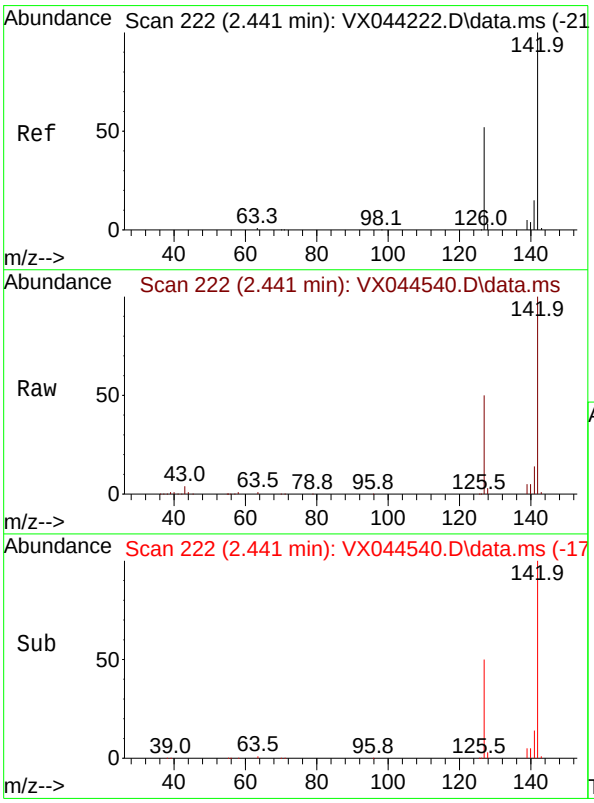

#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.314 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 83029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 38.5 | 57.7 |
| 151 | 76.2 | 55.8 | 83.6 |

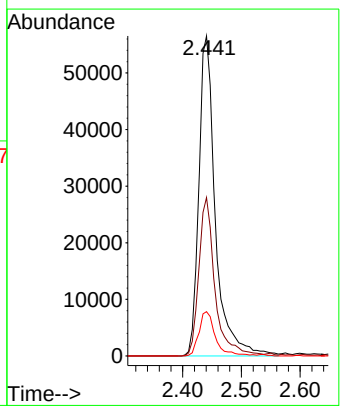


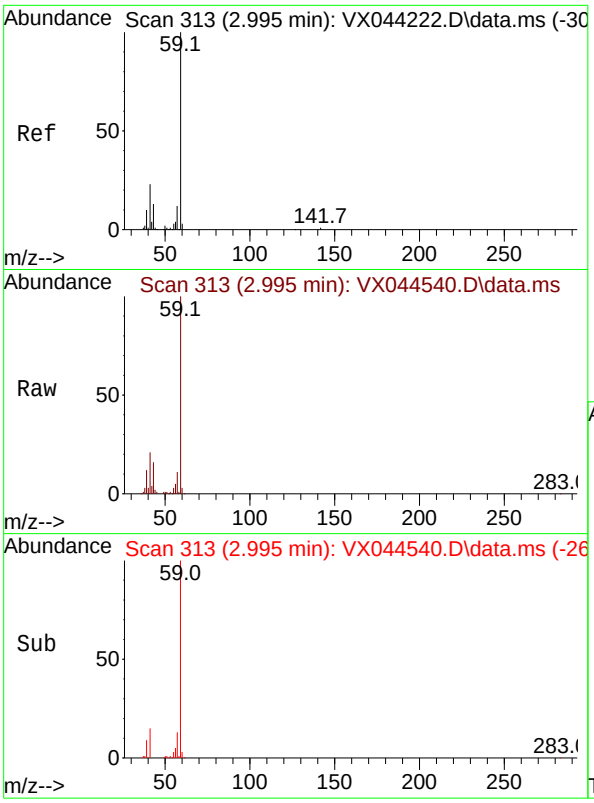




#10
Methyl Iodide
Concen: 49.847 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:142 Resp: 110611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.2 | 41.8 | 62.8 |
| 141 | 13.9 | 11.5 | 17.3 |



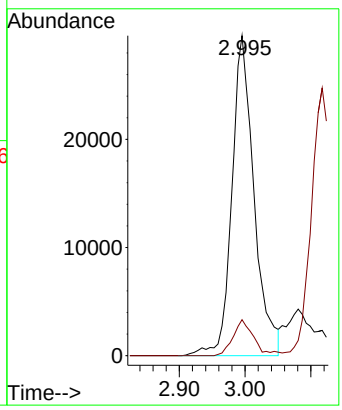


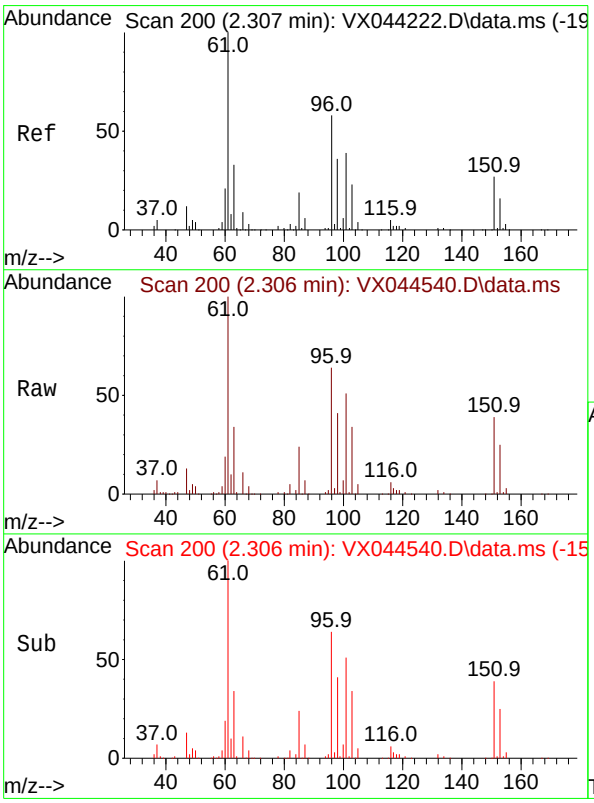

#11
Tert butyl alcohol
Concen: 203.663 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 69435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.8 | 13.2 |

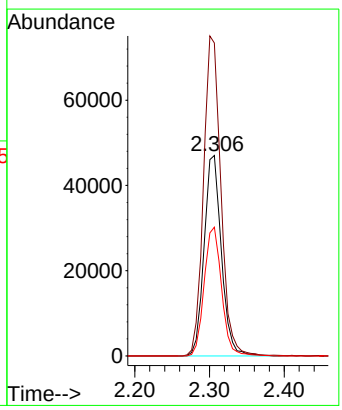


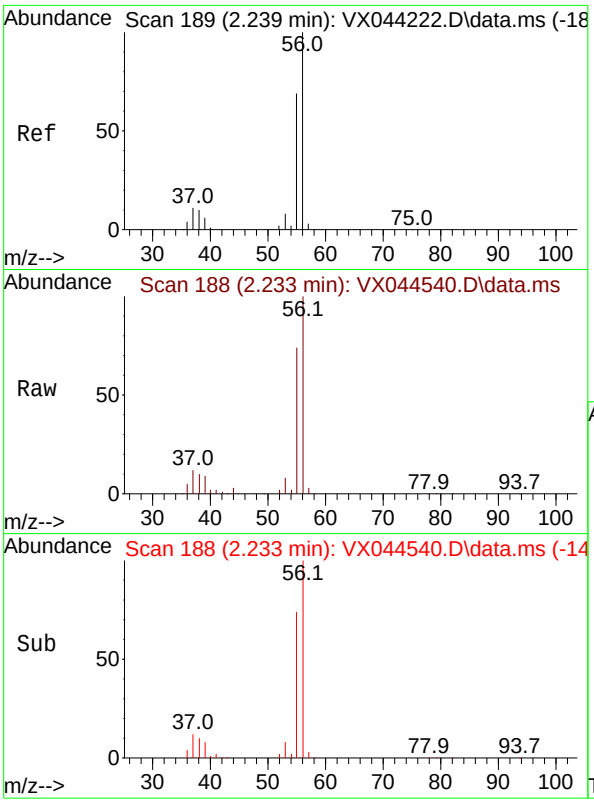




#12
1,1-Dichloroethene
Concen: 48.846 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 96 Resp: 75538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.1 | 138.0 | 207.0 |
| 98 | 64.3 | 50.0 | 75.0 |



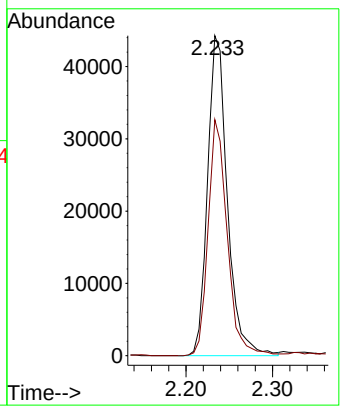


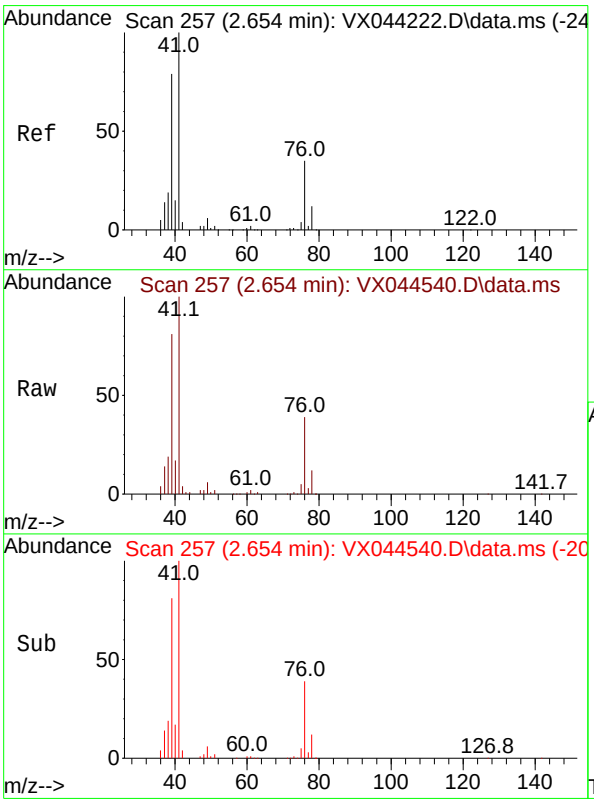

#13
Acrolein
Concen: 142.534 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 70342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.3 | 56.6 | 84.8 |

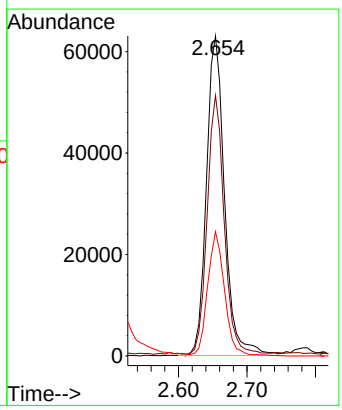


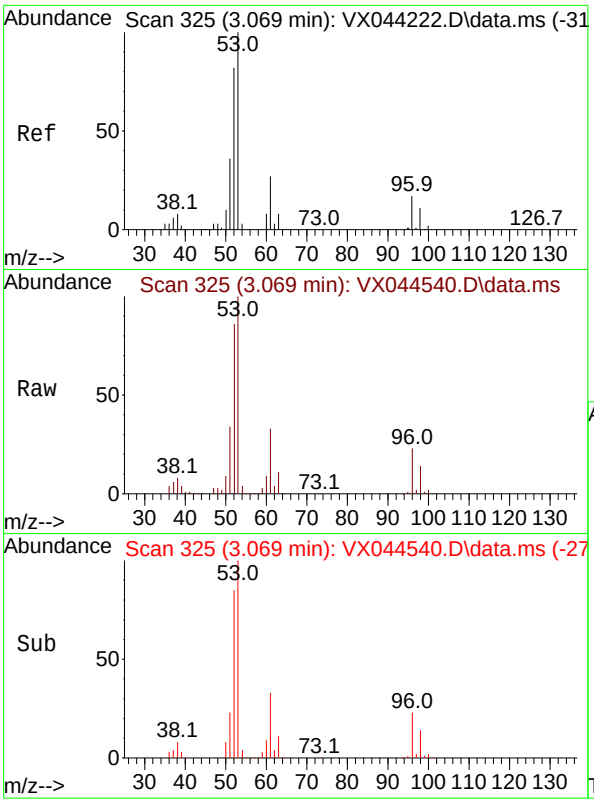




#14
Allyl chloride
Concen: 44.955 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 41 Resp: 115796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.1 | 61.9 | 92.9 |
| 76 | 36.4 | 27.4 | 41.2 |



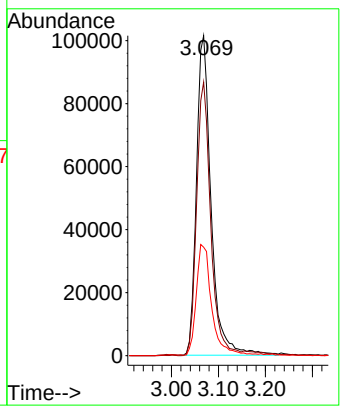


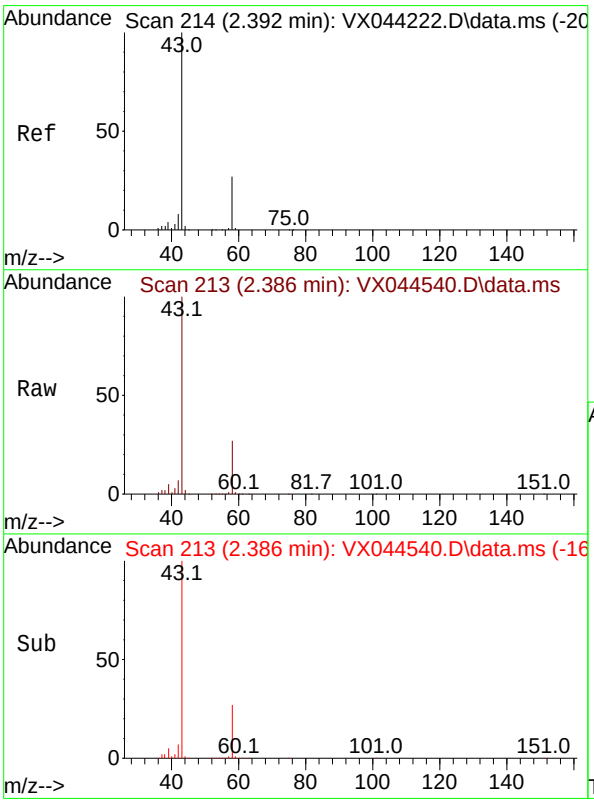

#15
Acrylonitrile
Concen: 233.158 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 220193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 67.4 | 101.0 |
| 51 | 36.4 | 30.3 | 45.5 |

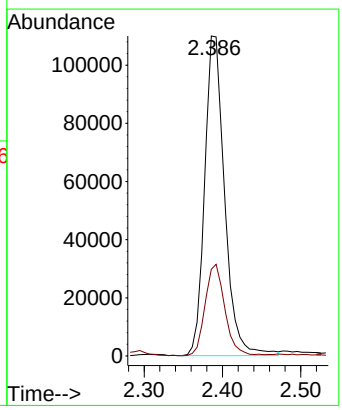


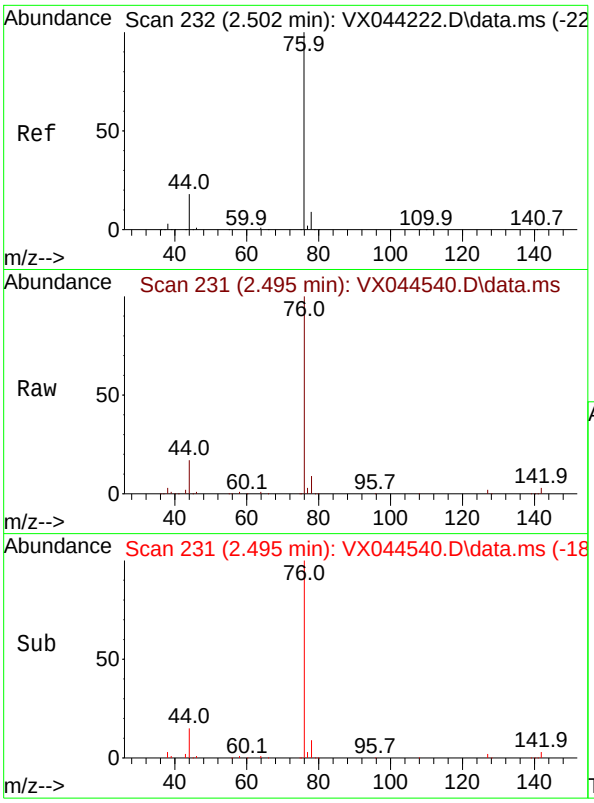




#16
Acetone
Concen: 197.479 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 194756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.0 | 21.6 | 32.4 |



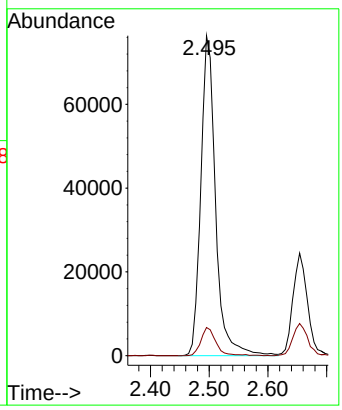


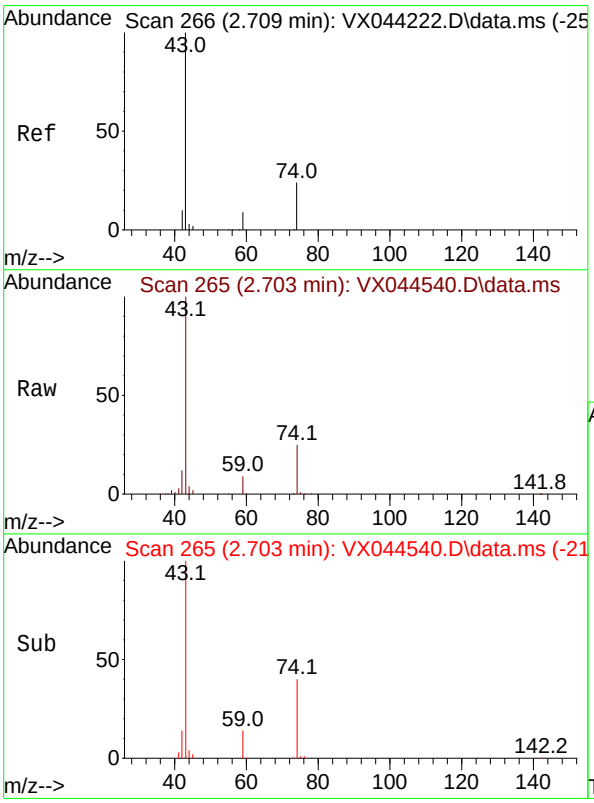

#17
Carbon Disulfide
Concen: 45.453 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 133615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.4 | 11.0 |

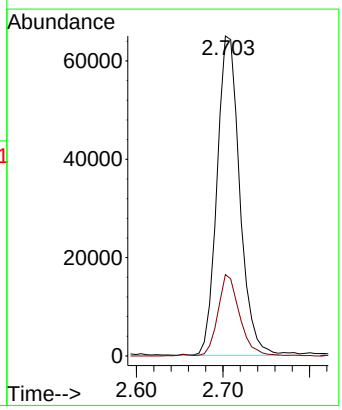


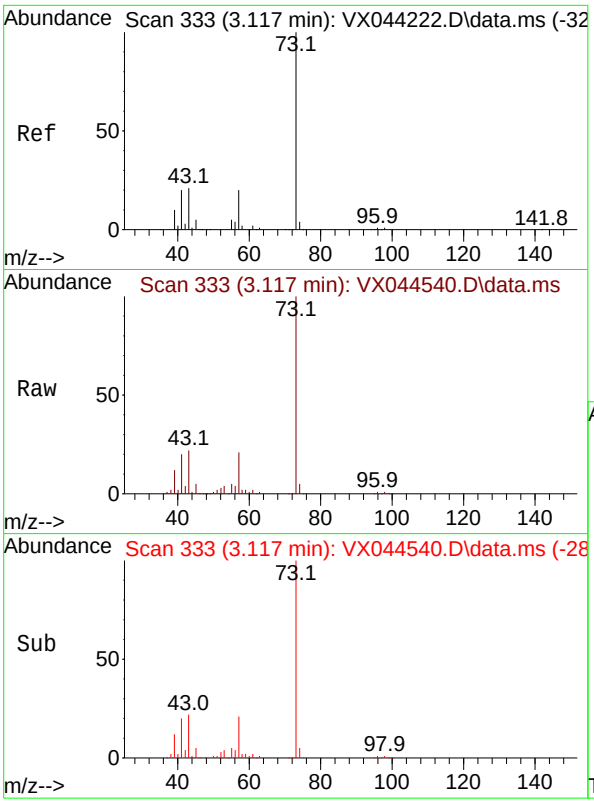




#18
Methyl Acetate
Concen: 46.562 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 118398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 17.7 | 26.5 |



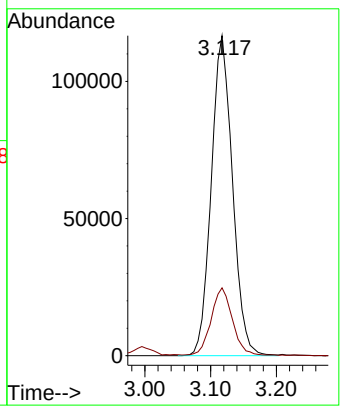


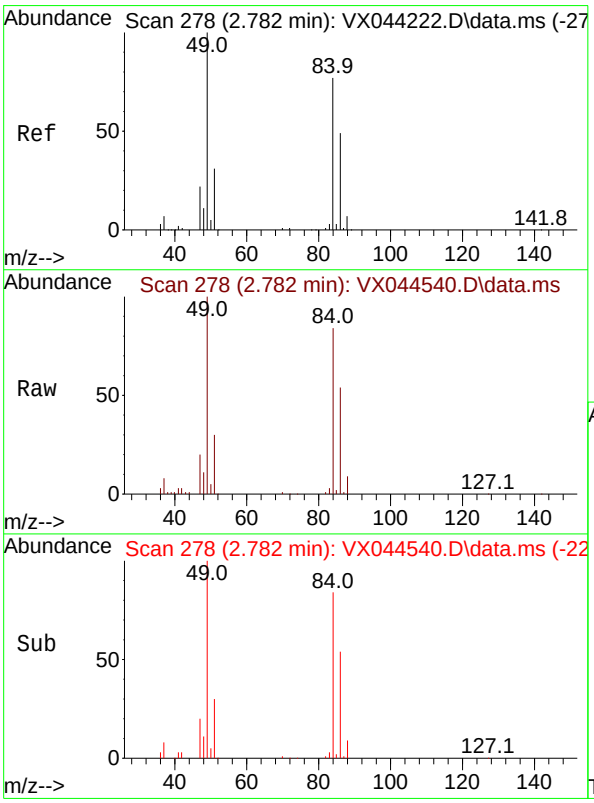

#19
Methyl tert-butyl Ether
Concen: 43.403 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 261931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 16.2 | 24.4 |

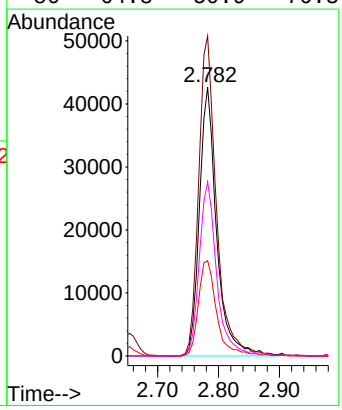


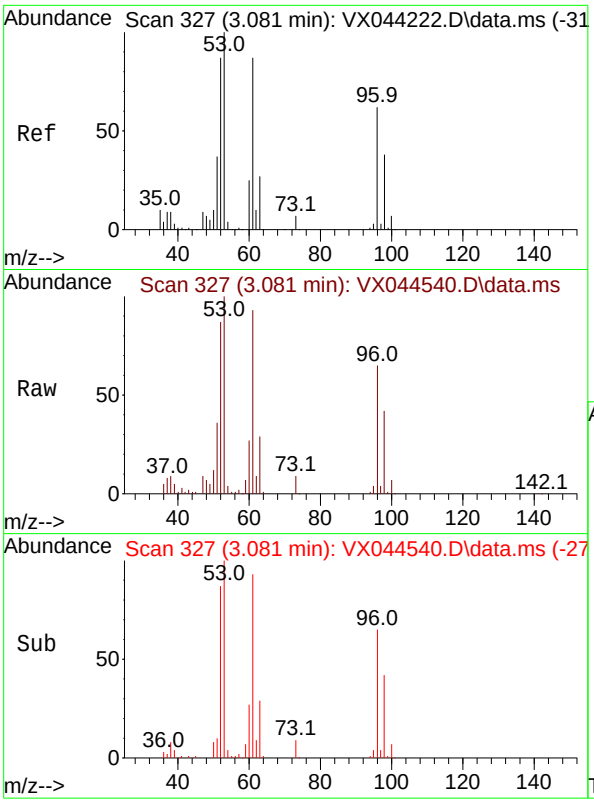




#20
Methylene Chloride
Concen: 45.325 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 84 Resp: 83957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 119.1 | 104.2 | 156.4 |
| 51 | 35.4 | 32.2 | 48.4 |
| 86 | 64.8 | 50.9 | 76.3 |



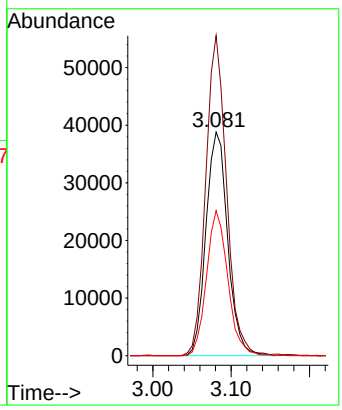


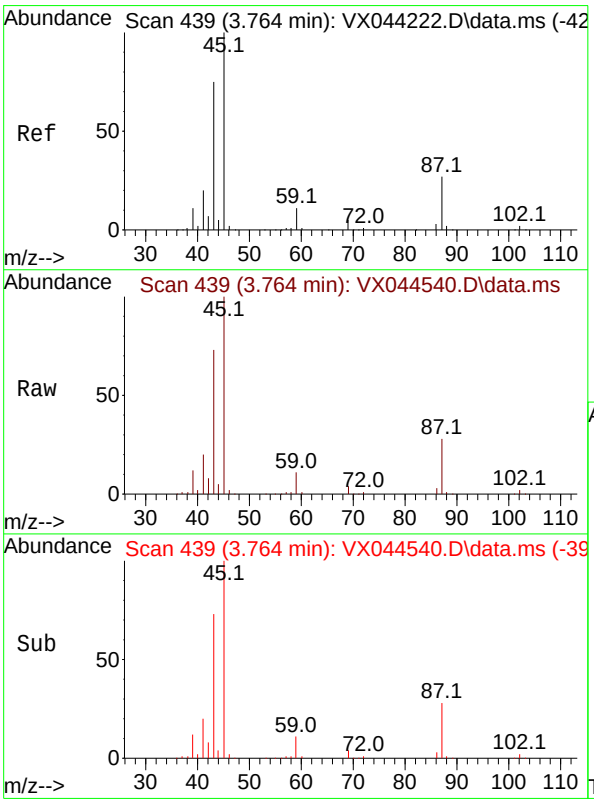

#21
trans-1,2-Dichloroethene
Concen: 45.427 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 74662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.2 | 112.0 | 168.0 |
| 98 | 64.8 | 48.8 | 73.2 |

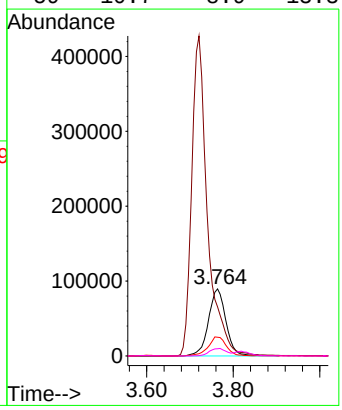


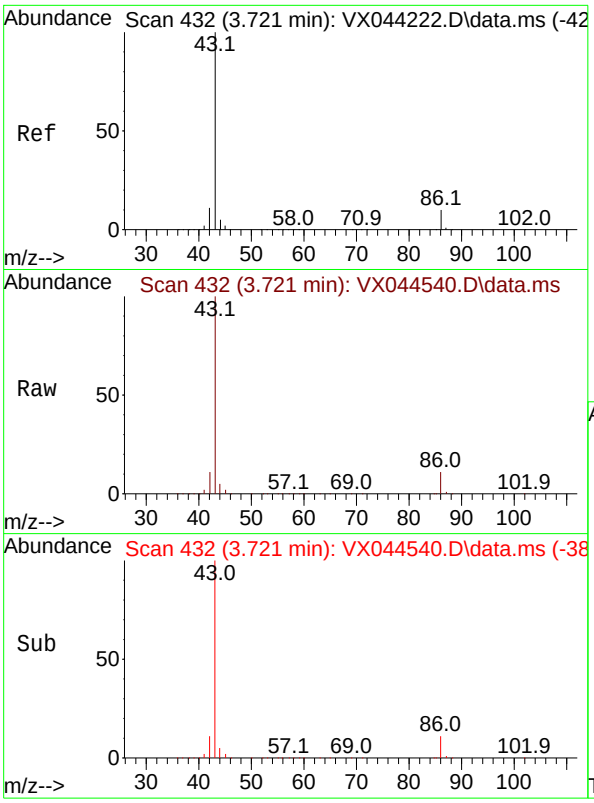




#22
Diisopropyl ether
Concen: 43.324 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 45 Resp: 251297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 73.1 | 60.2 | 90.2 |
| 87 | 28.0 | 21.2 | 31.8 |
| 59 | 10.7 | 8.9 | 13.3 |



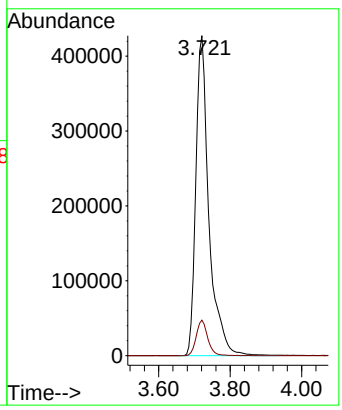


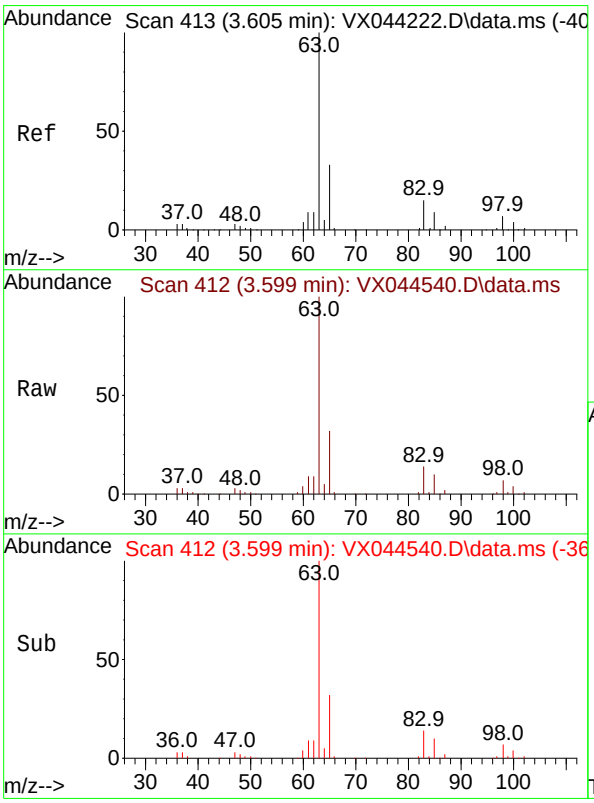

#23
Vinyl Acetate
Concen: 230.231 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 1085699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.1 | 8.2 | 12.2 |

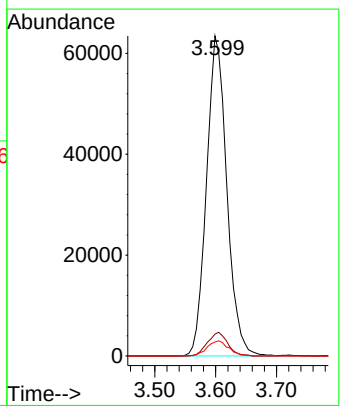


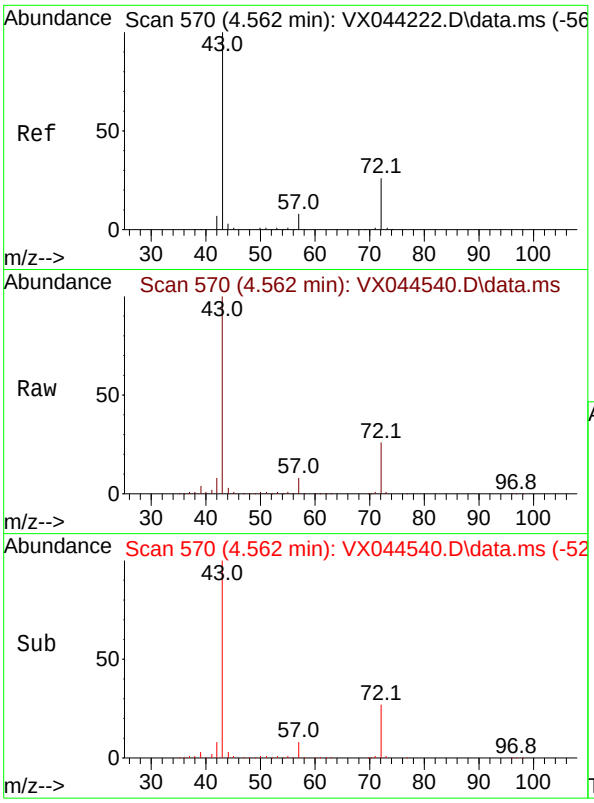




#24
1,1-Dichloroethane
Concen: 45.551 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 63 Resp: 147276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.6 | 10.8 |
| 100 | 4.4 | 2.1 | 6.3 |



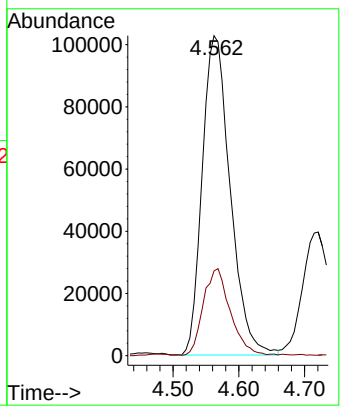


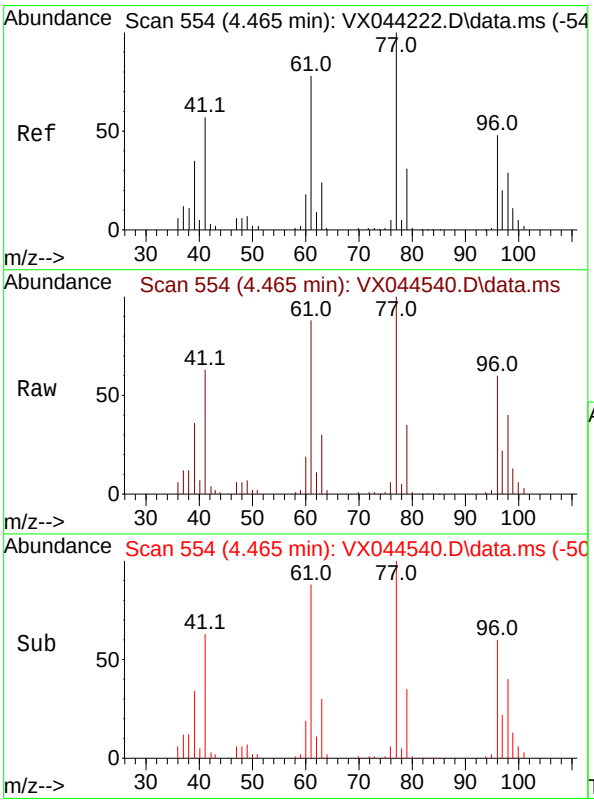

#25
2-Butanone
Concen: 217.020 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 304270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 20.2 | 30.4 |

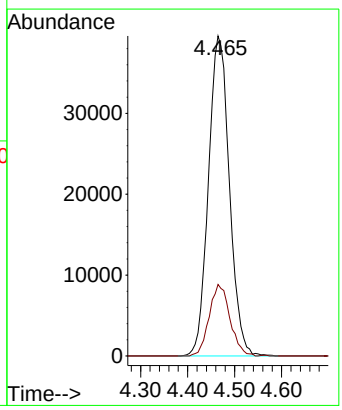


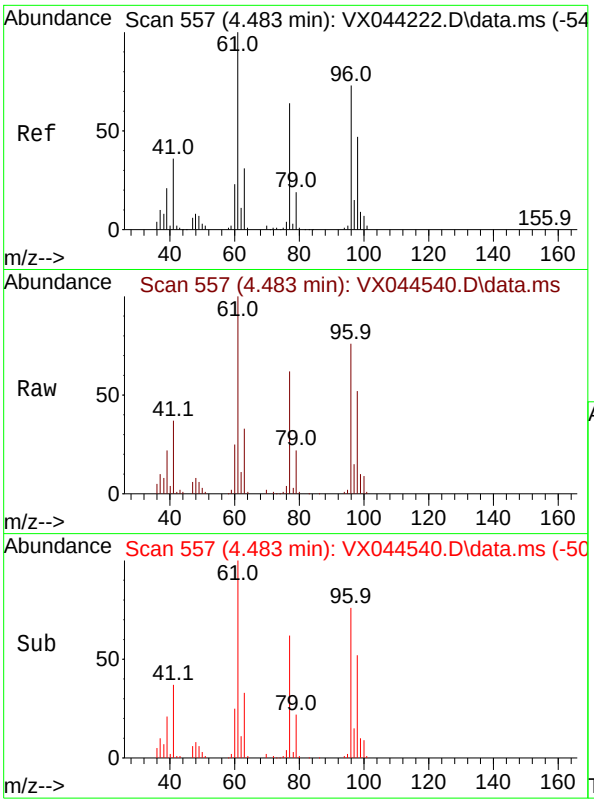




#26
2,2-Dichloropropane
Concen: 46.637 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 77 Resp: 122500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 10.7 | 32.1 |



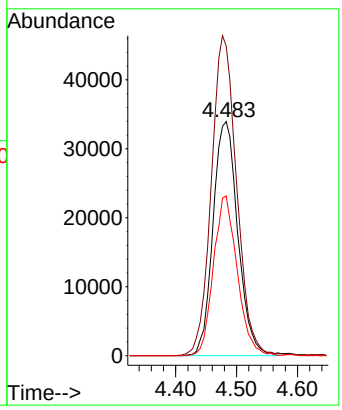


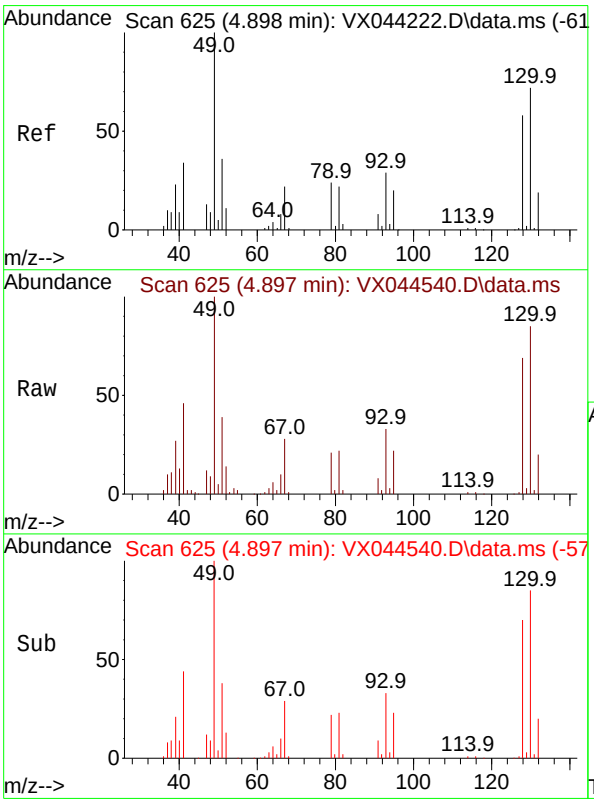

#27
cis-1,2-Dichloroethene
Concen: 46.029 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 96079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.6 | 0.0 | 299.0 |
| 98 | 65.4 | 0.0 | 129.0 |

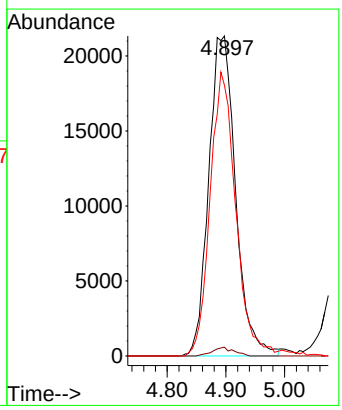


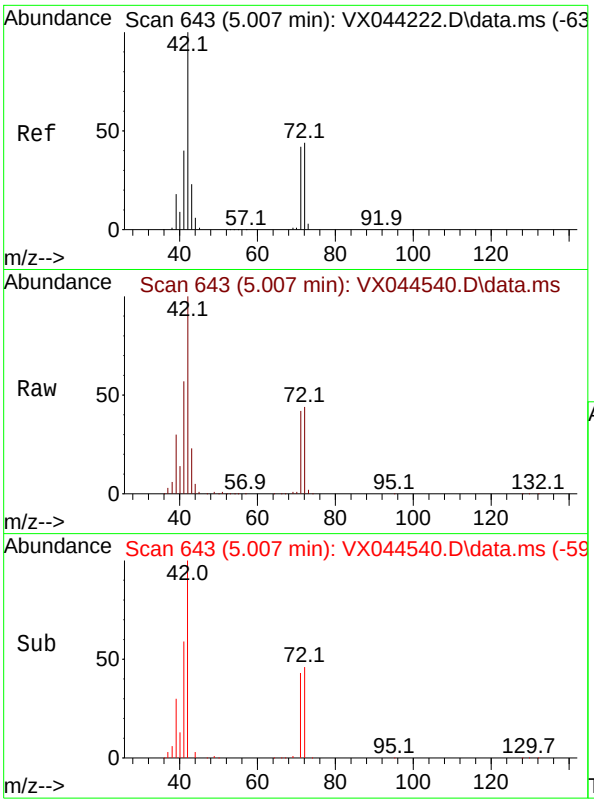




#28
Bromochloromethane
Concen: 42.719 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 49 Resp: 67730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.2 |
| 130 | 84.6 | 62.1 | 93.1 |



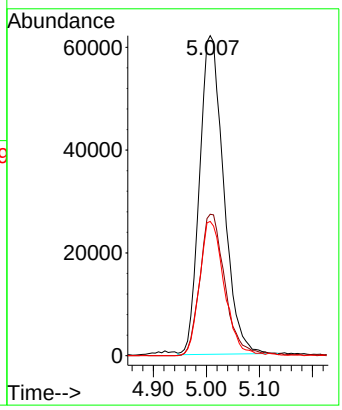


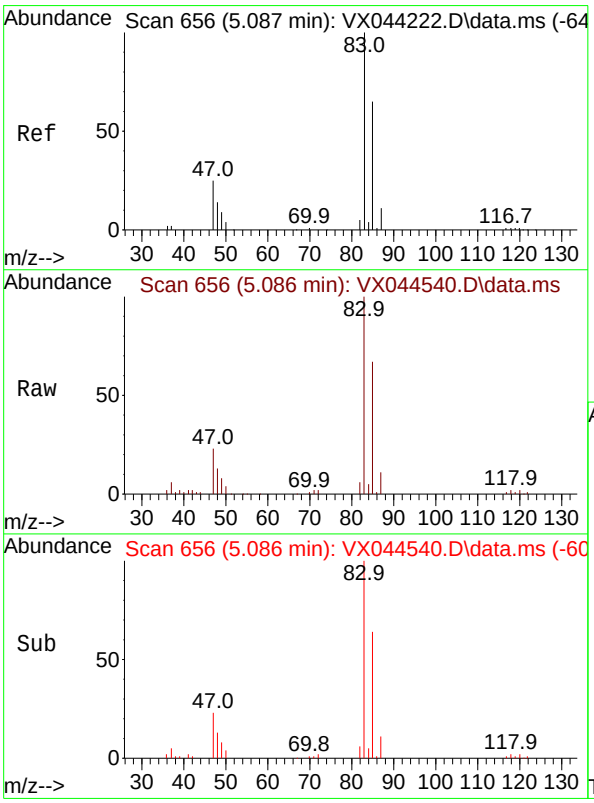

#29
Tetrahydrofuran
Concen: 217.562 ug/l
RT: 5.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 195789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.6 | 37.0 | 55.6 |
| 71 | 43.2 | 33.6 | 50.4 |

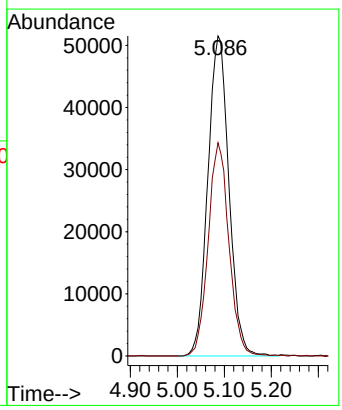


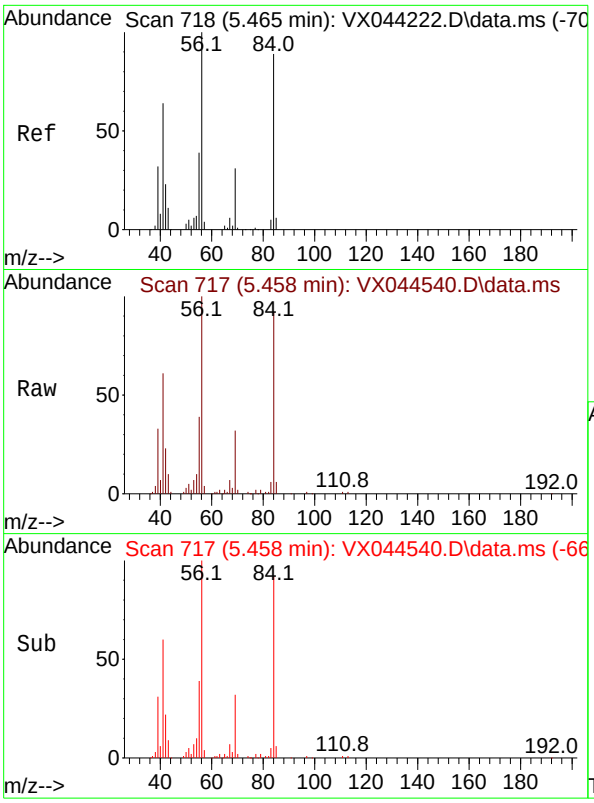




#30
Chloroform
Concen: 44.097 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 83 Resp: 160188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.6 | 51.6 | 77.4 |



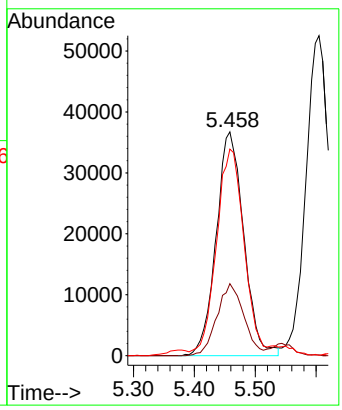


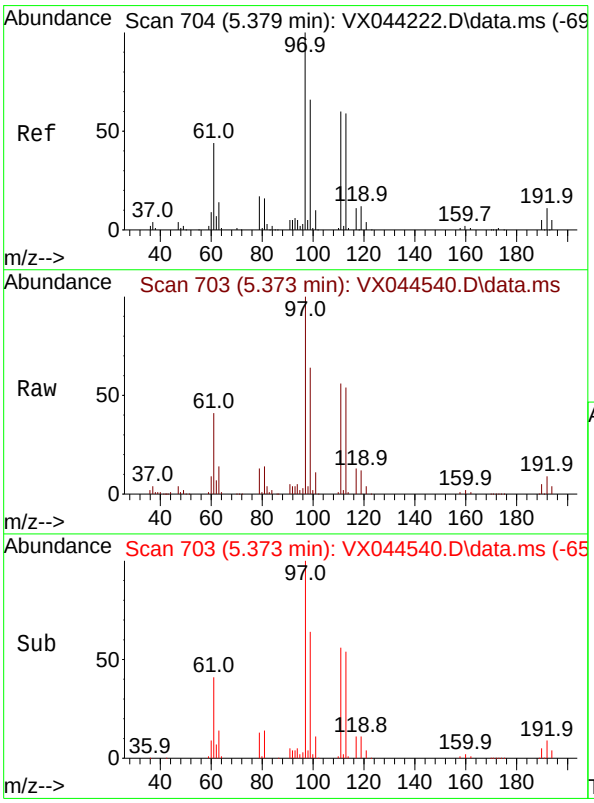

#31
Cyclohexane
Concen: 44.218 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 115447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 24.7 | 37.1 |
| 84 | 89.8 | 71.0 | 106.6 |

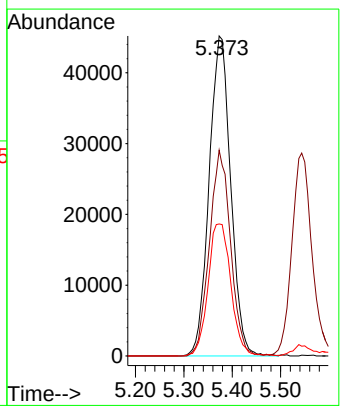


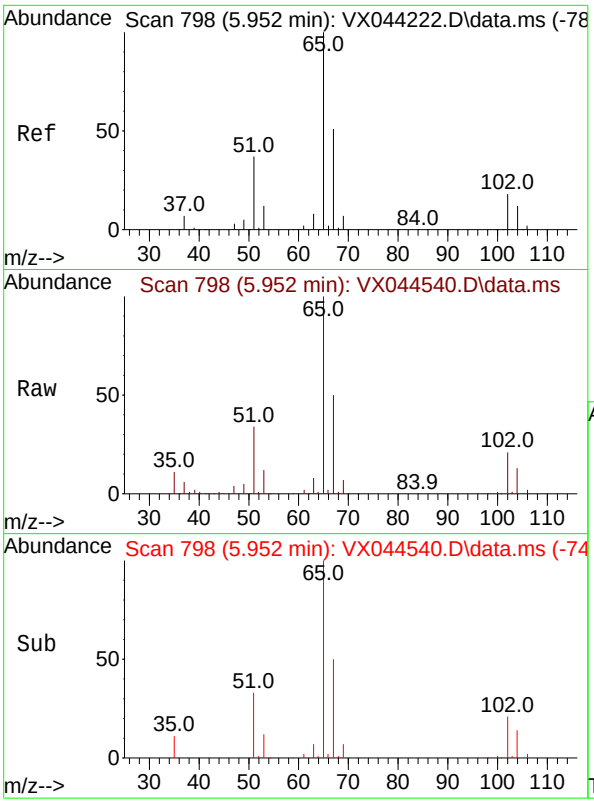




#32
1,1,1-Trichloroethane
Concen: 46.342 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 97 Resp: 139739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 50.8 | 76.2 |
| 61 | 43.8 | 35.2 | 52.8 |



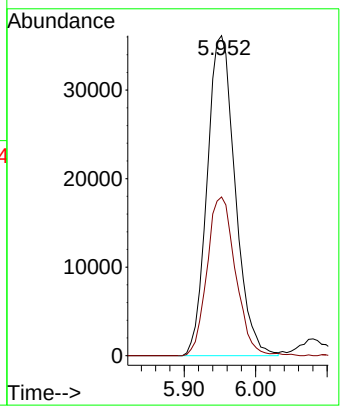


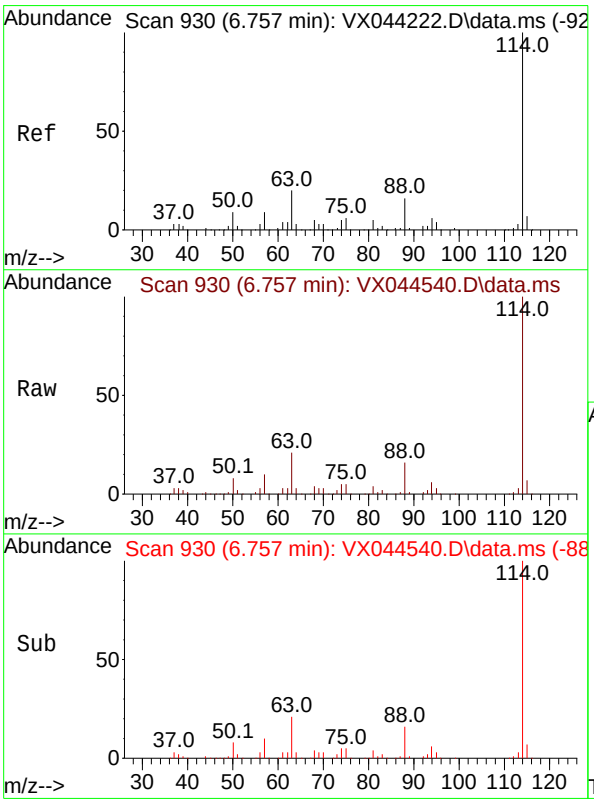

#33
1,2-Dichloroethane-d4
Concen: 40.623 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 98268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 101.6 |

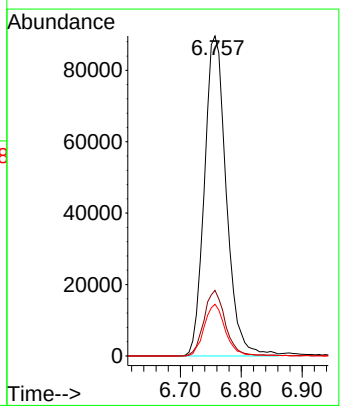


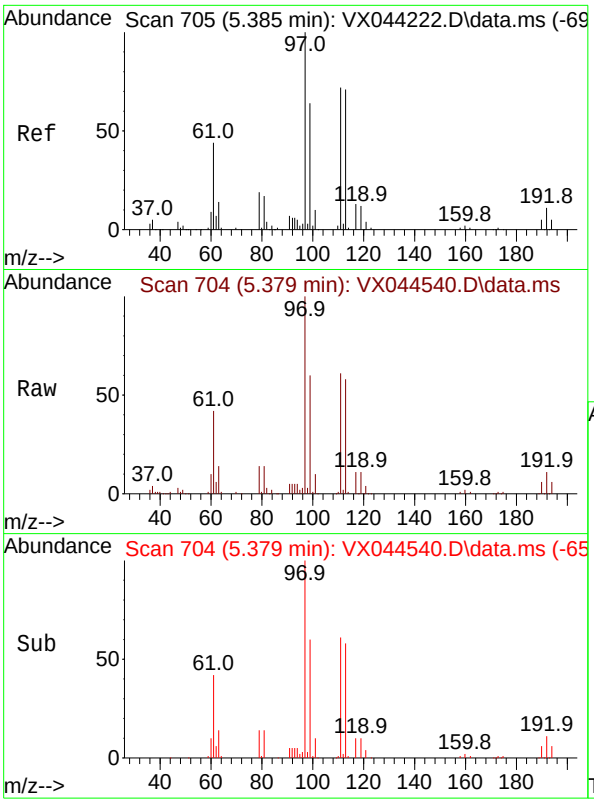




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:114 Resp: 223553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 40.6 |
| 88 | 16.1 | 0.0 | 31.8 |



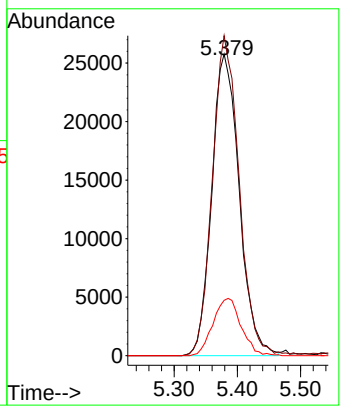


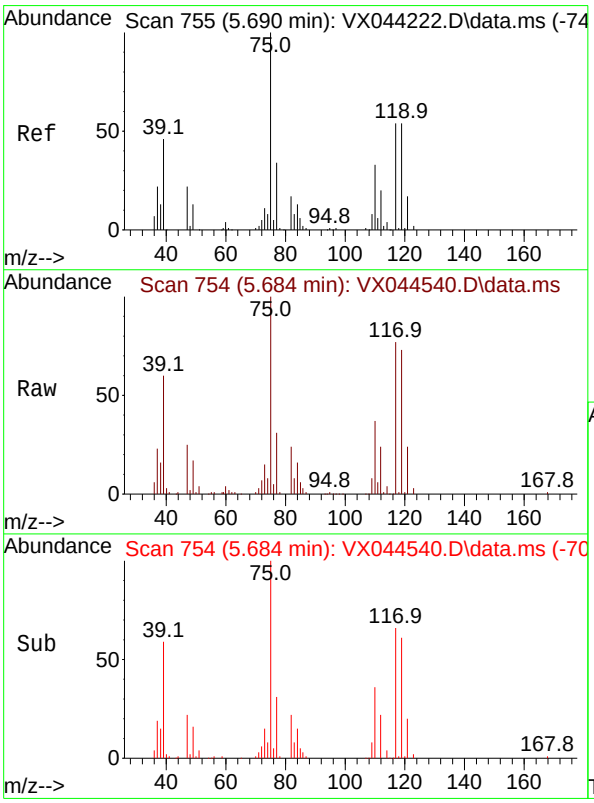

#35
Dibromofluoromethane
Concen: 50.062 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 77511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 80.4 | 120.6 |
| 192 | 19.4 | 13.3 | 19.9 |

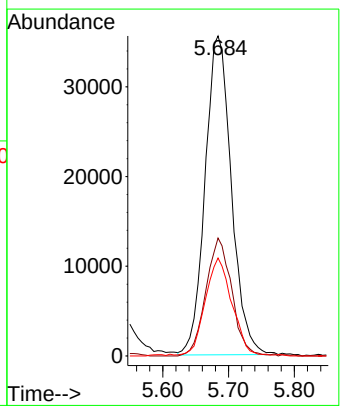


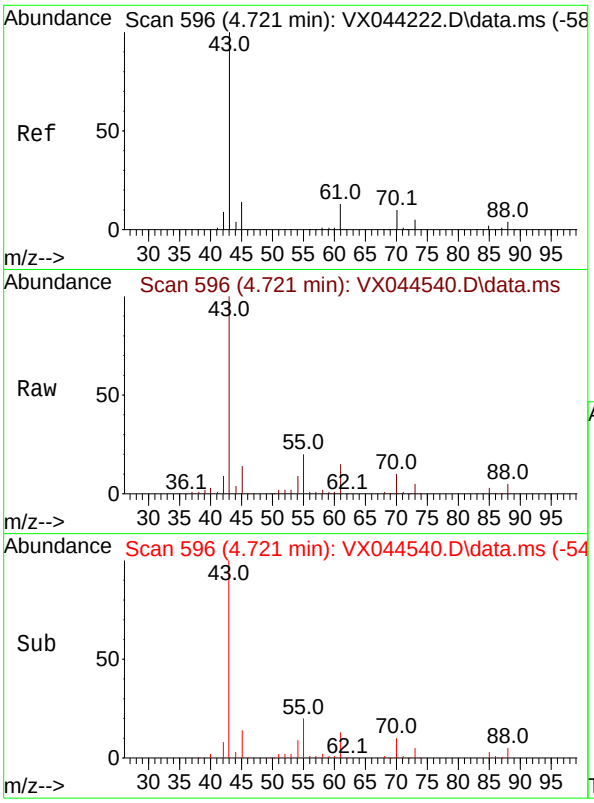




#36
1,1-Dichloropropene
Concen: 49.419 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 98907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.4 | 17.3 | 51.7 |
| 77 | 31.0 | 25.4 | 38.0 |



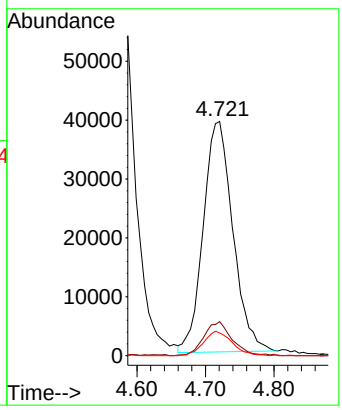


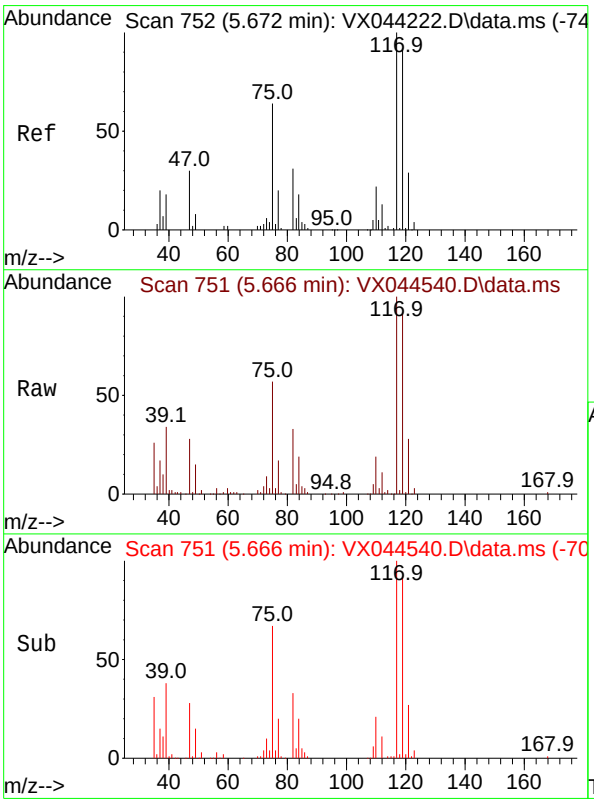

#37
Ethyl Acetate
Concen: 47.524 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 117573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.1 | 9.8 | 14.8 |
| 70 | 10.2 | 7.7 | 11.5 |

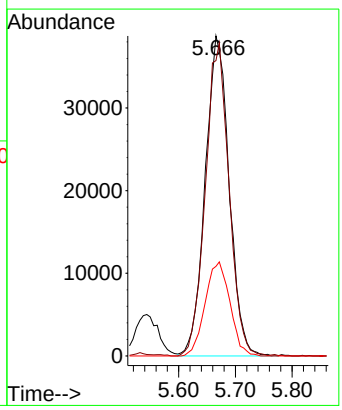


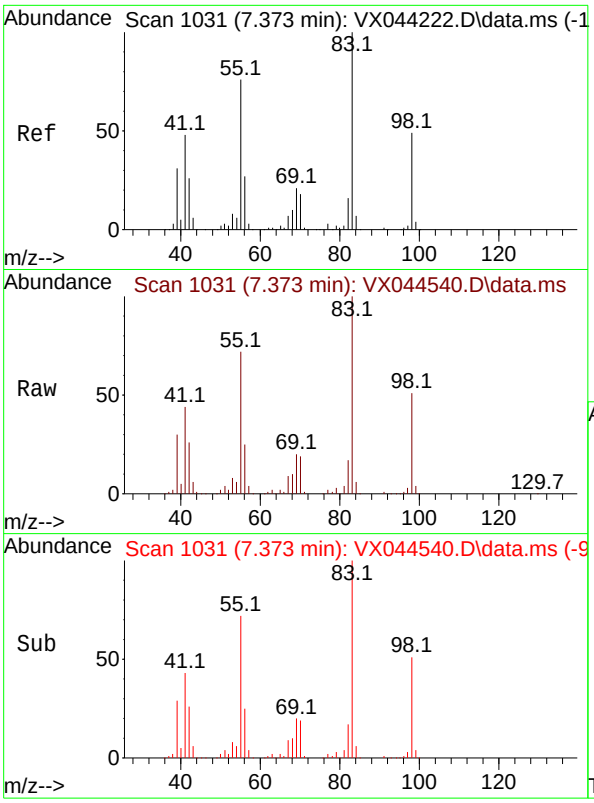




#38
Carbon Tetrachloride
Concen: 52.739 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:117 Resp: 113637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.3 | 74.2 | 111.4 |
| 121 | 28.0 | 23.0 | 34.6 |



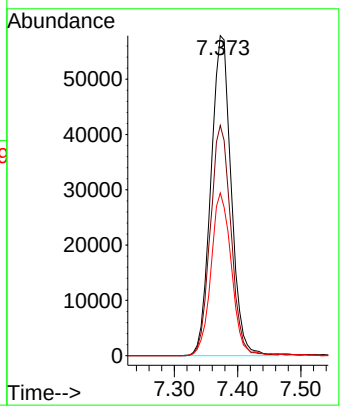


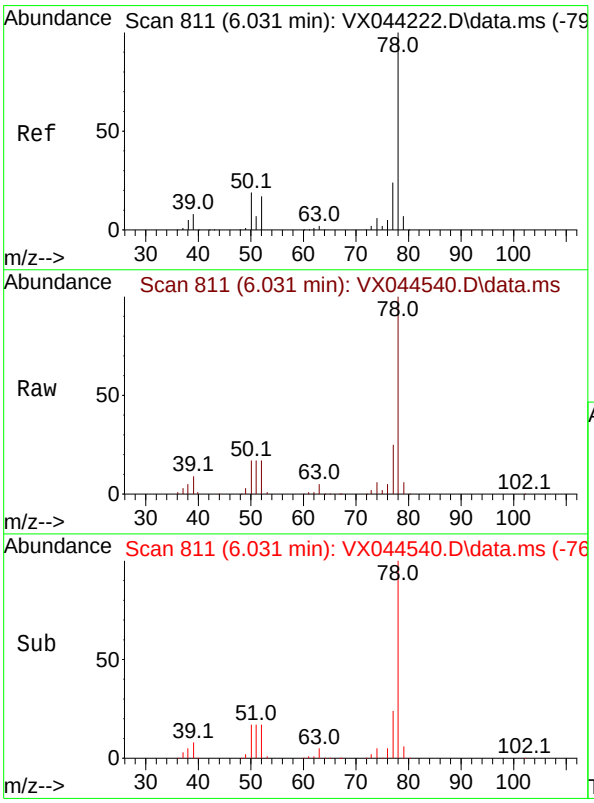

#39
Methylcyclohexane
Concen: 53.905 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 128975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.9 | 60.7 | 91.1 |
| 98 | 50.9 | 38.9 | 58.3 |

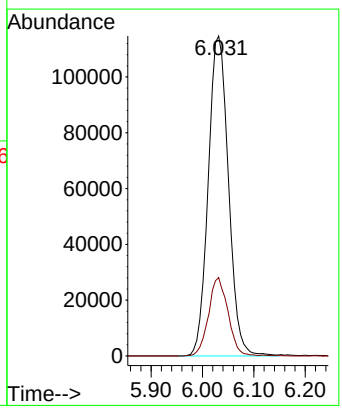


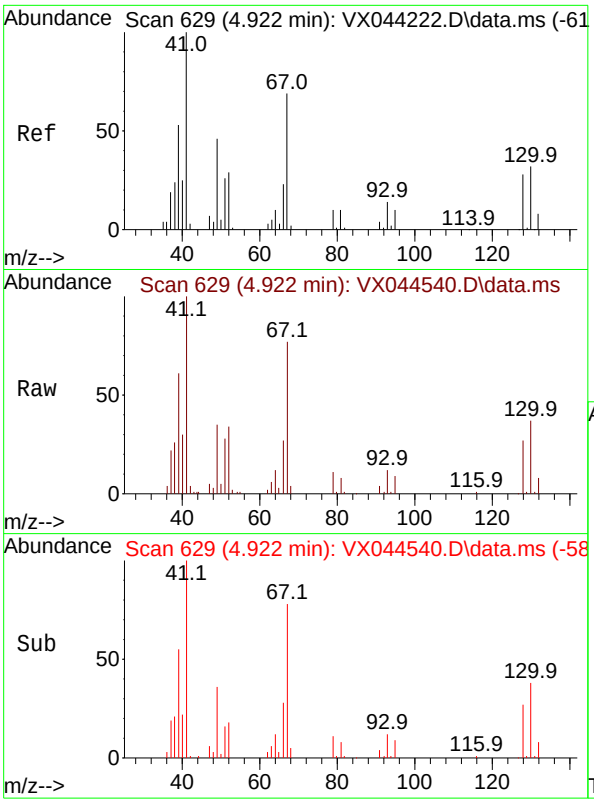




#40
Benzene
Concen: 51.597 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 78 Resp: 313533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 19.3 | 28.9 |



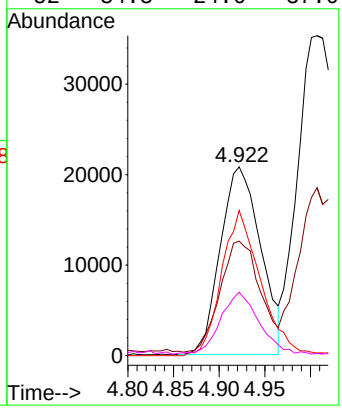


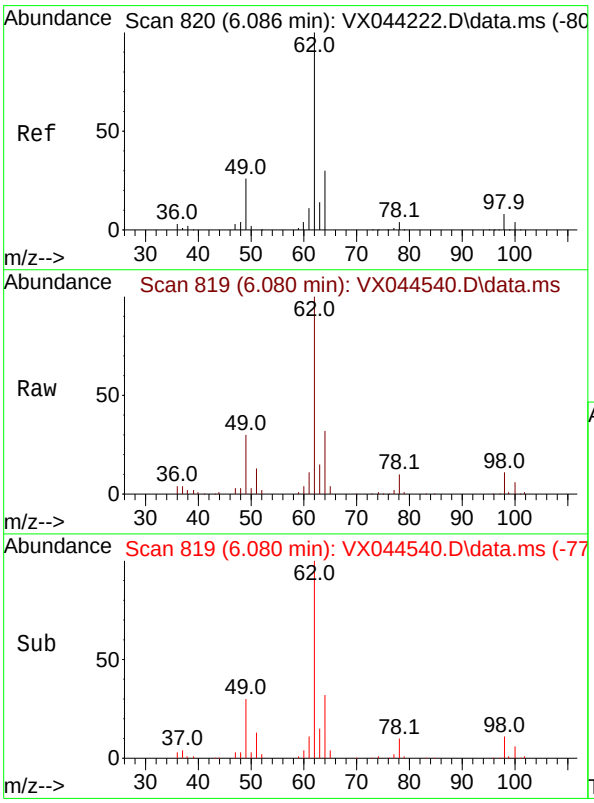

#41
Methacrylonitrile
Concen: 48.575 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 63812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.7 | 44.2 | 66.4 |
| 67 | 74.5 | 57.2 | 85.8 |
| 52 | 34.3 | 24.6 | 37.0 |

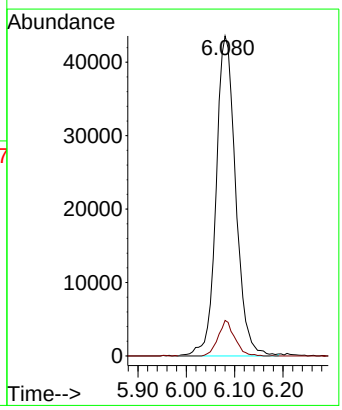


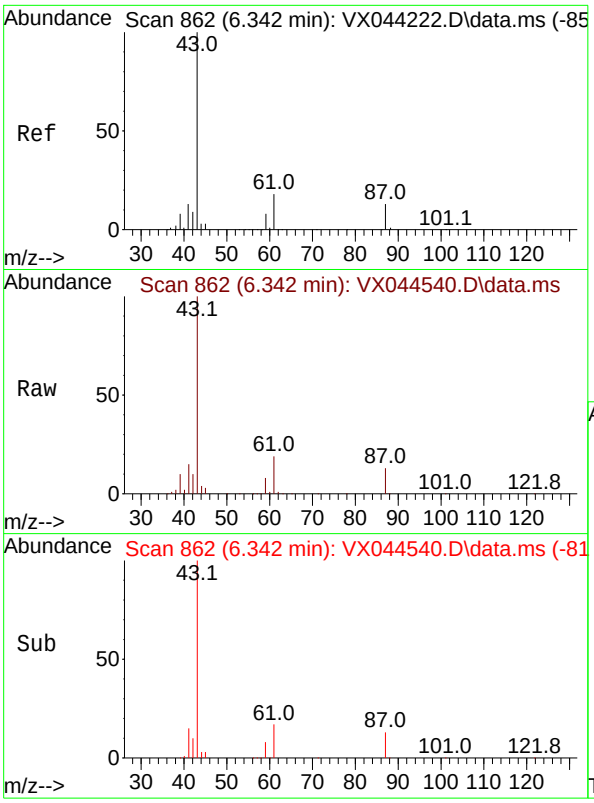




#42
1,2-Dichloroethane
Concen: 48.922 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 62 Resp: 122458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 15.8 |



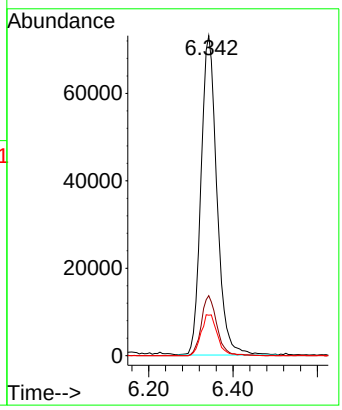


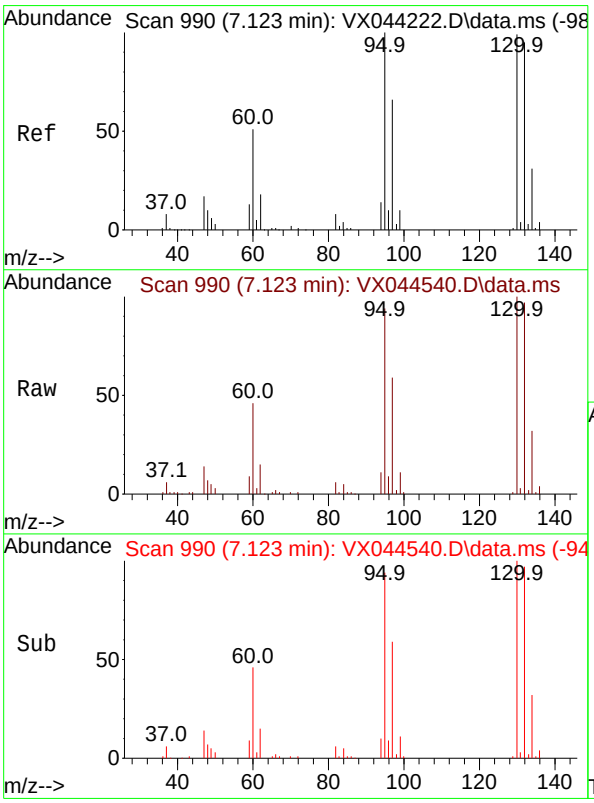

#43
Isopropyl Acetate
Concen: 49.578 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 191709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.2 | 21.2 |
| 87 | 13.3 | 10.2 | 15.2 |

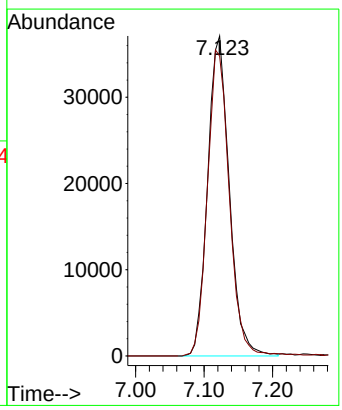


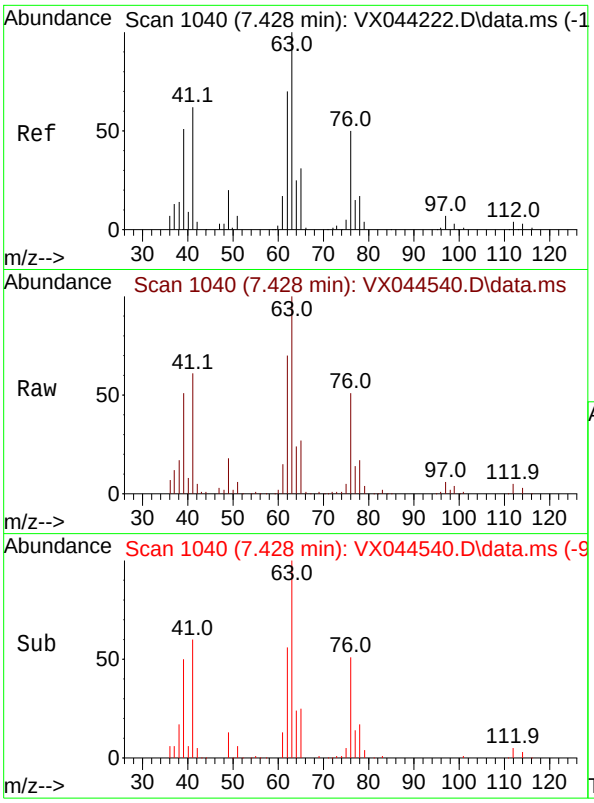




#44
Trichloroethene
Concen: 53.888 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:130 Resp: 81658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 93.7 | 0.0 | 201.4 |



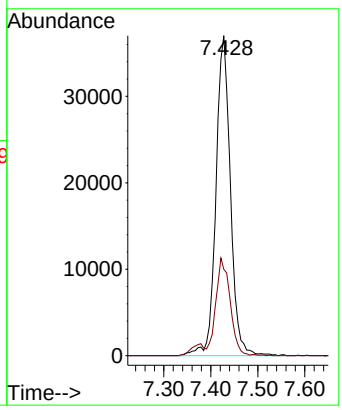


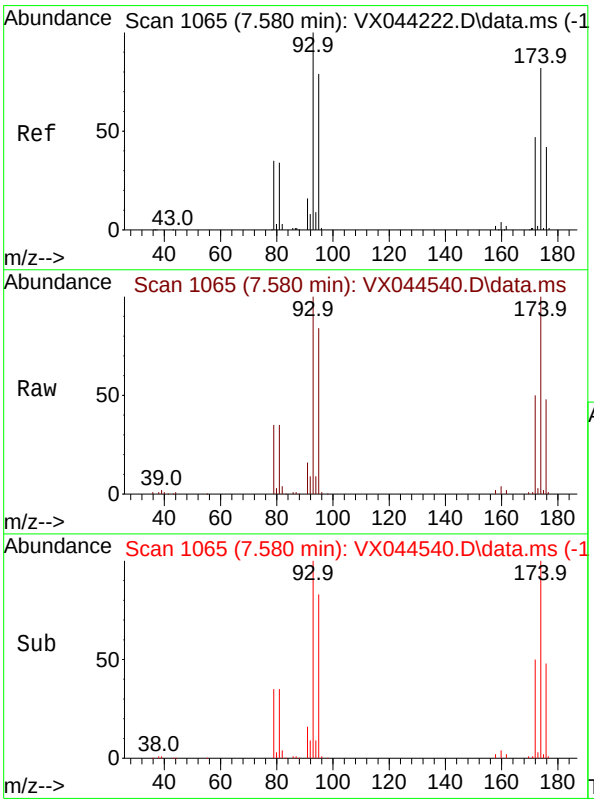

#45
1,2-Dichloropropane
Concen: 51.047 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 79249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.0 | 24.6 | 37.0 |

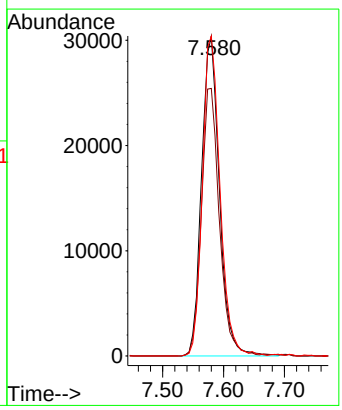


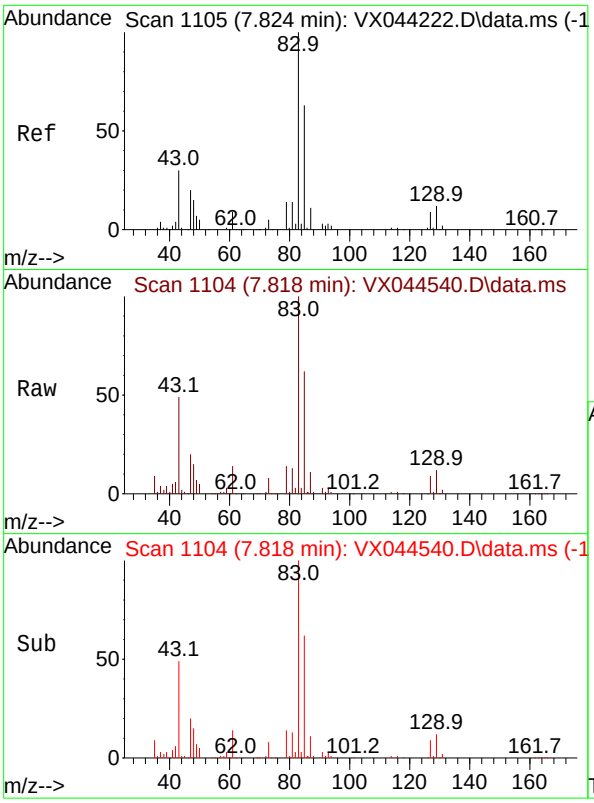




#46
Dibromomethane
Concen: 51.298 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 93 Resp: 61783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.2 | 65.4 | 98.2 |
| 174 | 99.2 | 67.9 | 101.9 |



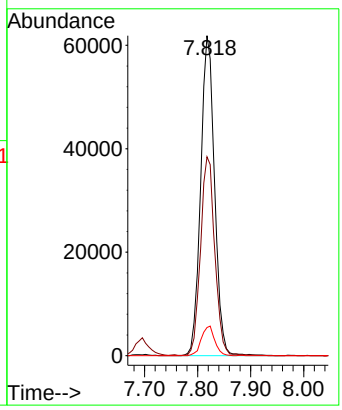


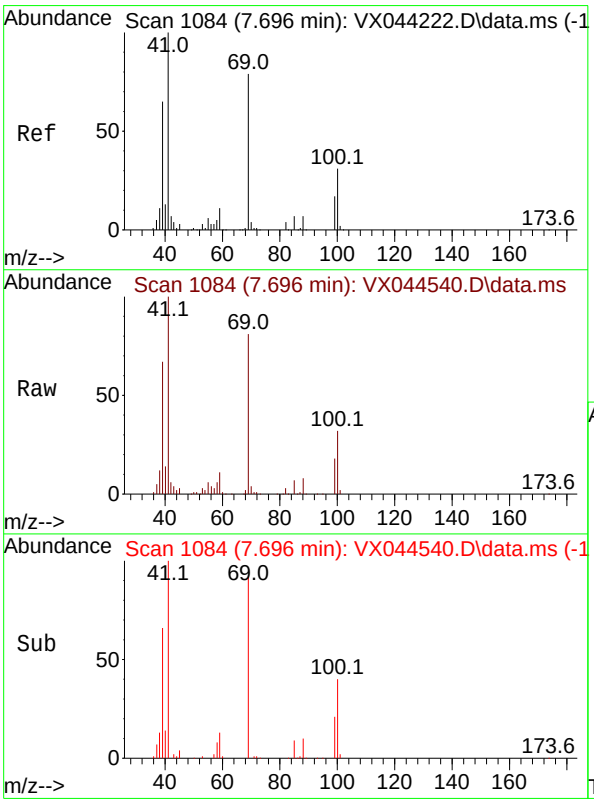

#47
Bromodichloromethane
Concen: 54.155 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 112645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 50.6 | 75.8 |
| 127 | 8.8 | 7.3 | 10.9 |

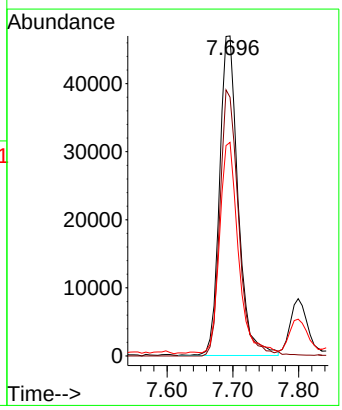


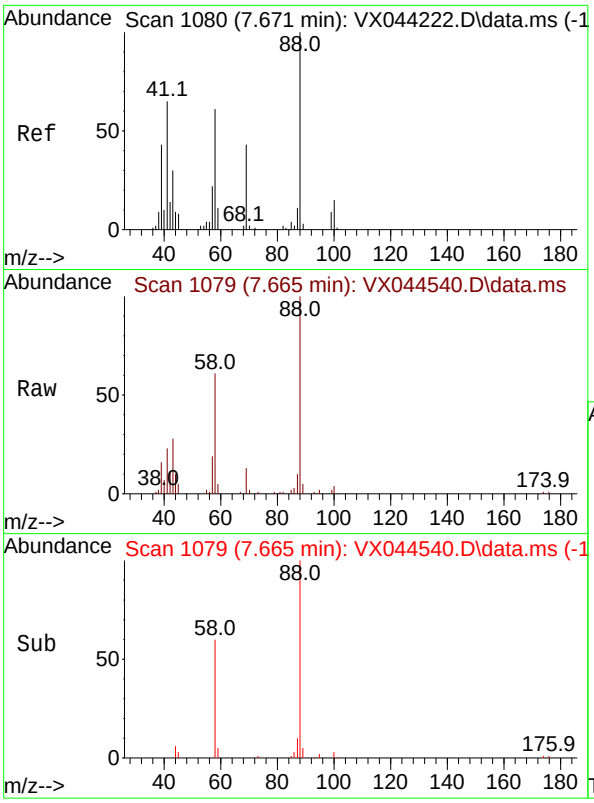




#48
Methyl methacrylate
Concen: 48.959 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 41 Resp: 91897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 84.1 | 62.4 | 93.6 |
| 39 | 65.8 | 53.3 | 79.9 |



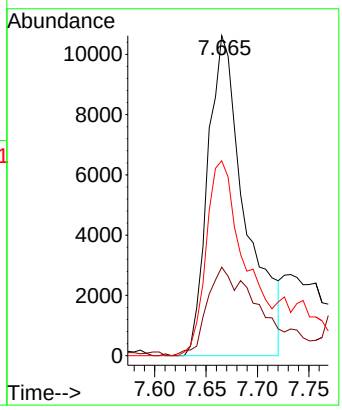


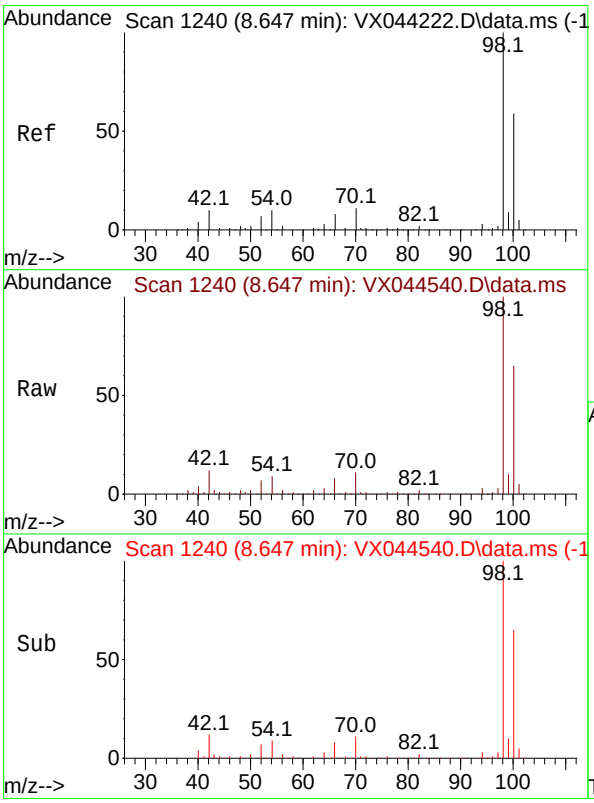

#49
1,4-Dioxane
Concen: 867.976 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 27012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.0 | 27.1 | 40.7 |
| 58 | 62.9 | 41.0 | 61.4# |

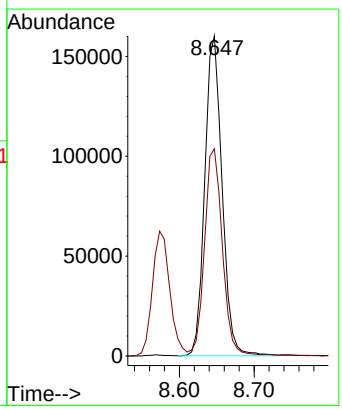


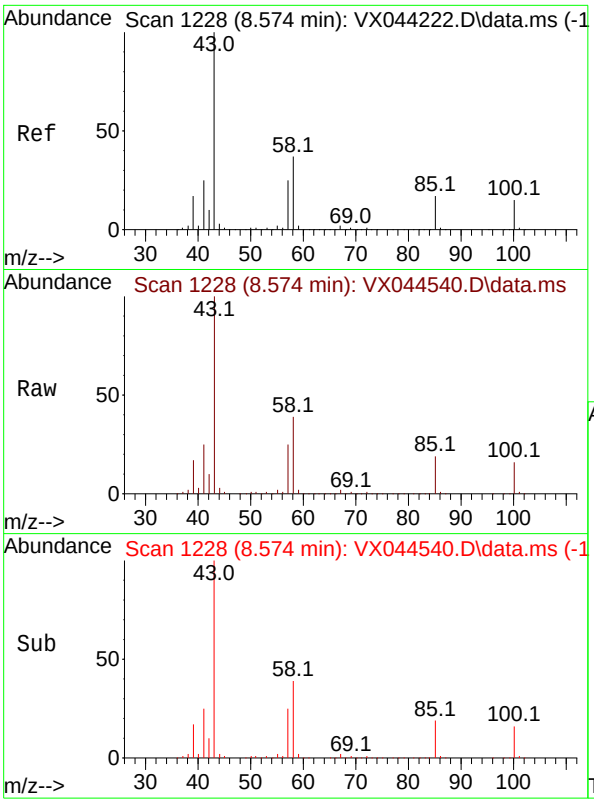




#50
Toluene-d8
Concen: 49.293 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 98 Resp: 257484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.7 | 51.5 | 77.3 |



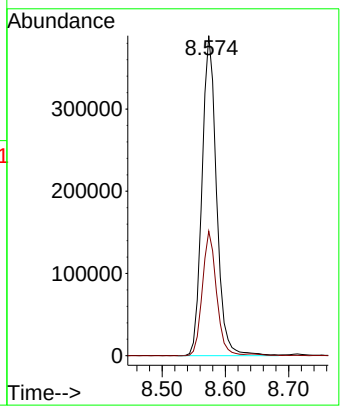


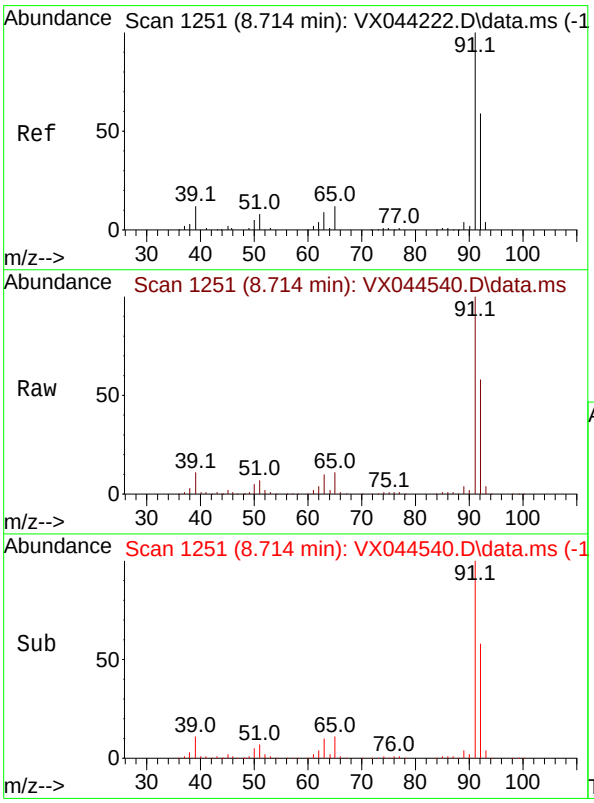

#51
4-Methyl-2-Pentanone
Concen: 250.388 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 622530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 29.4 | 44.0 |

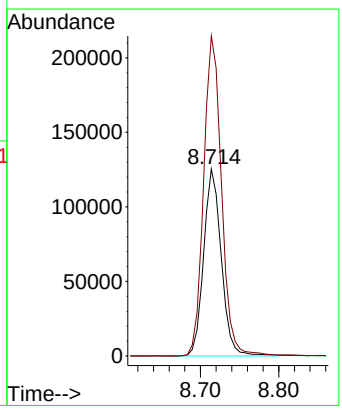


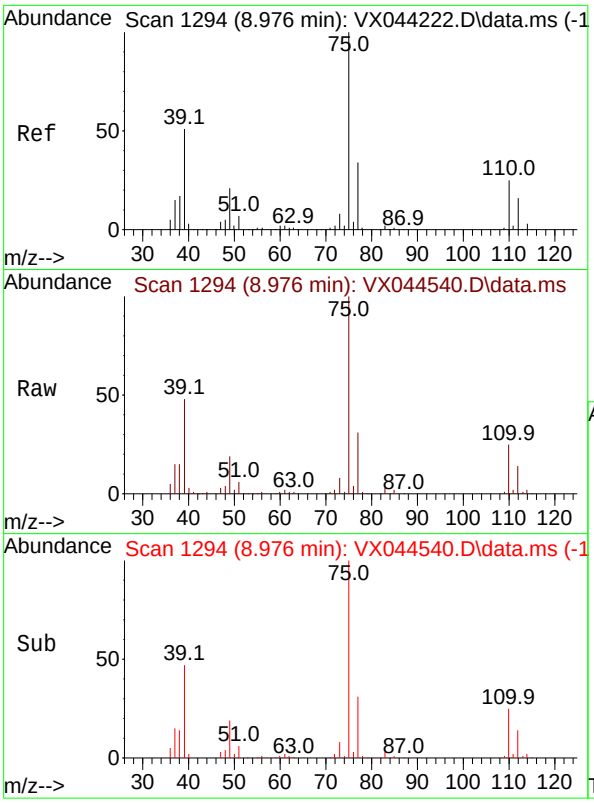




#52
Toluene
Concen: 51.274 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 92 Resp: 195660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.4 | 137.0 | 205.6 |



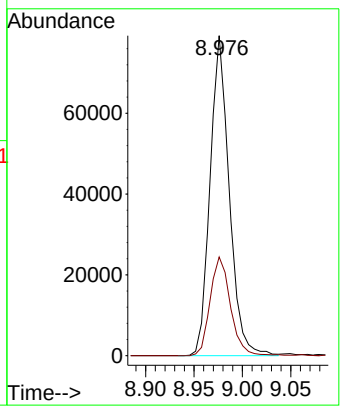


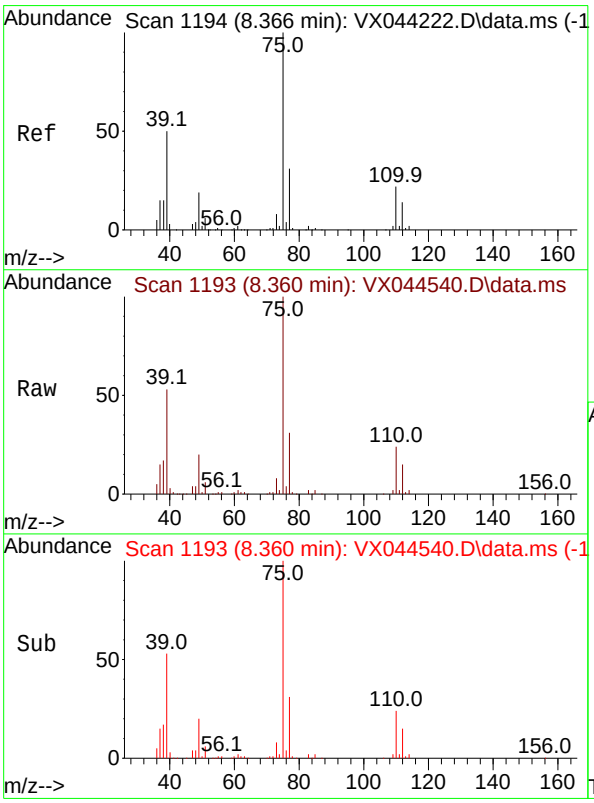

#53
t-1,3-Dichloropropene
Concen: 48.988 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 109219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 27.2 | 40.8 |

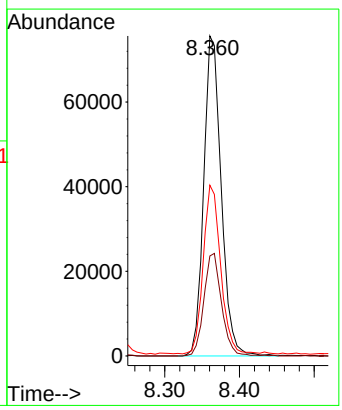


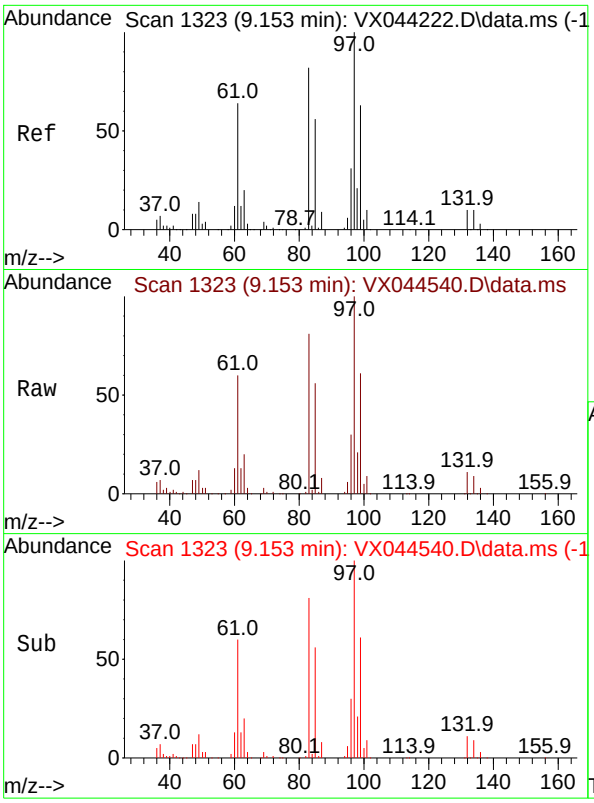




#54
cis-1,3-Dichloropropene
Concen: 54.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 122807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 24.7 | 37.1 |
| 39 | 52.7 | 40.3 | 60.5 |



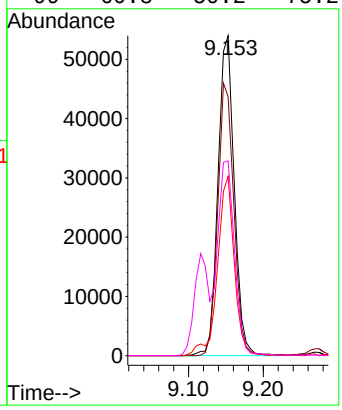


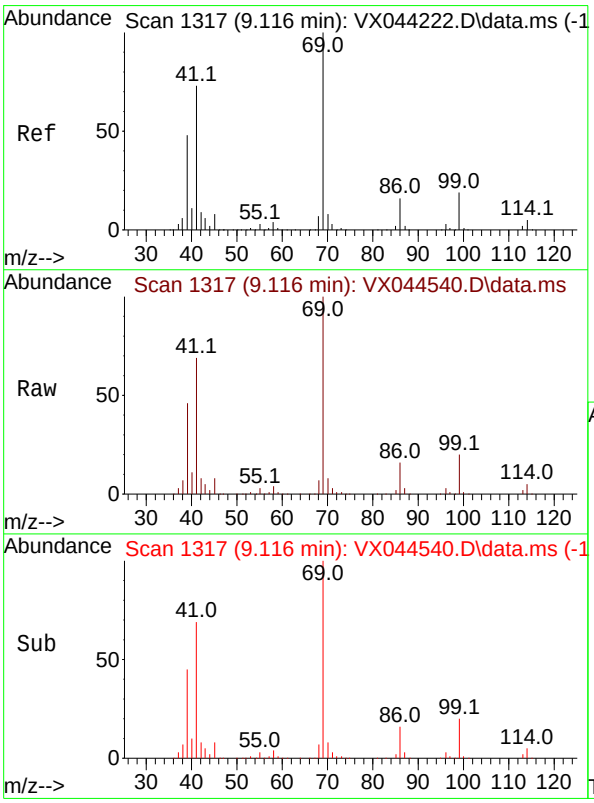

#55
1,1,2-Trichloroethane
Concen: 53.821 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 81590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.9 | 65.3 | 97.9 |
| 85 | 56.1 | 44.6 | 67.0 |
| 99 | 60.8 | 50.2 | 75.2 |

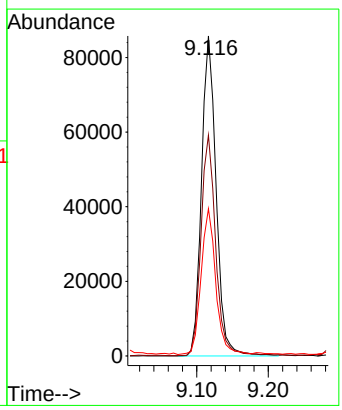


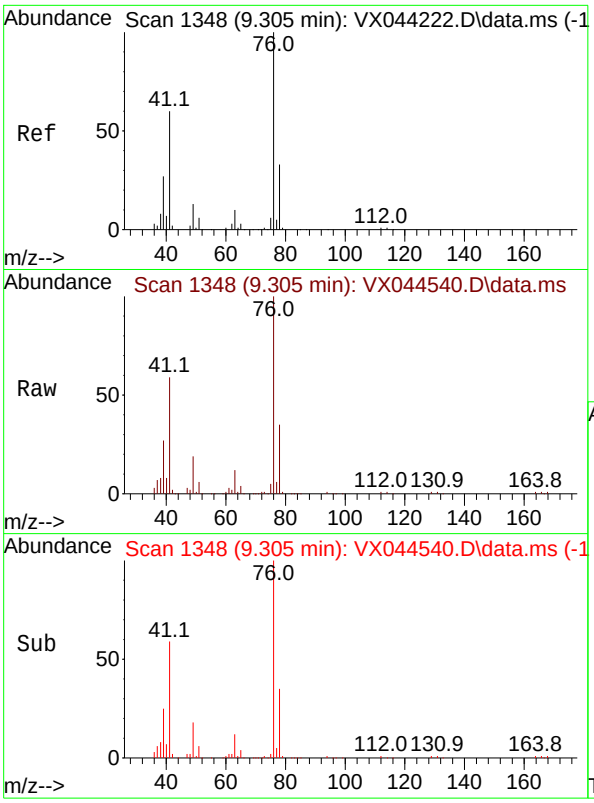




#56
Ethyl methacrylate
Concen: 51.019 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 69 Resp: 122100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.4 | 56.6 | 85.0 |
| 39 | 45.4 | 37.4 | 56.0 |



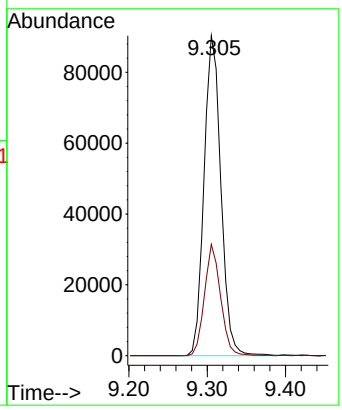


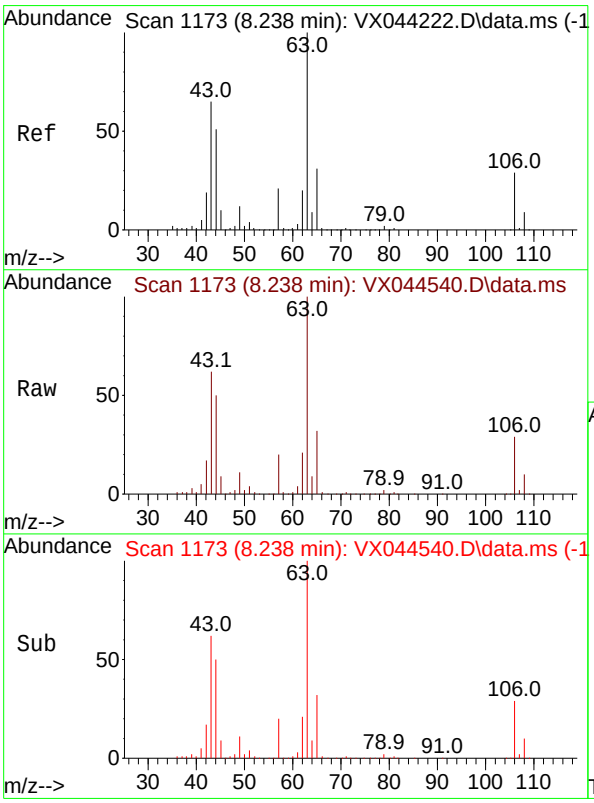

#57
1,3-Dichloropropane
Concen: 51.116 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 134878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.3 | 26.5 | 39.7 |

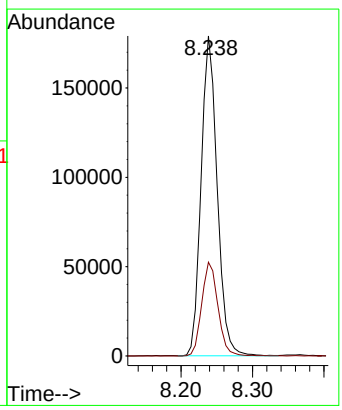


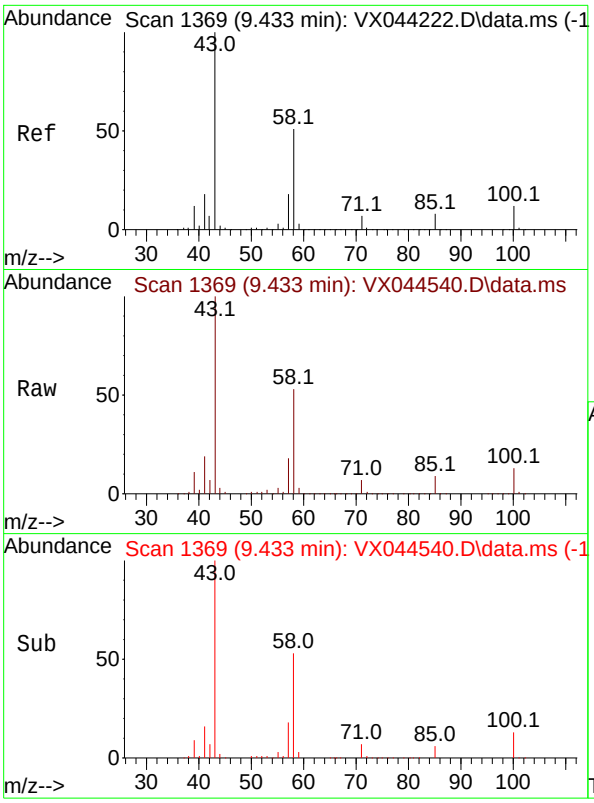




#58
2-Chloroethyl Vinyl ether
Concen: 231.727 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 63 Resp: 279710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.6 | 22.8 | 34.2 |



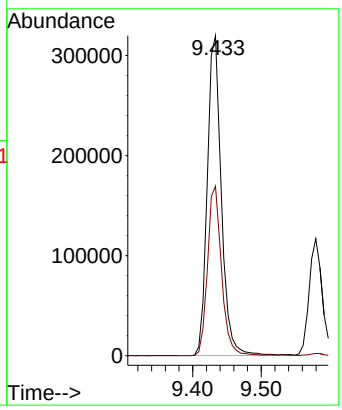


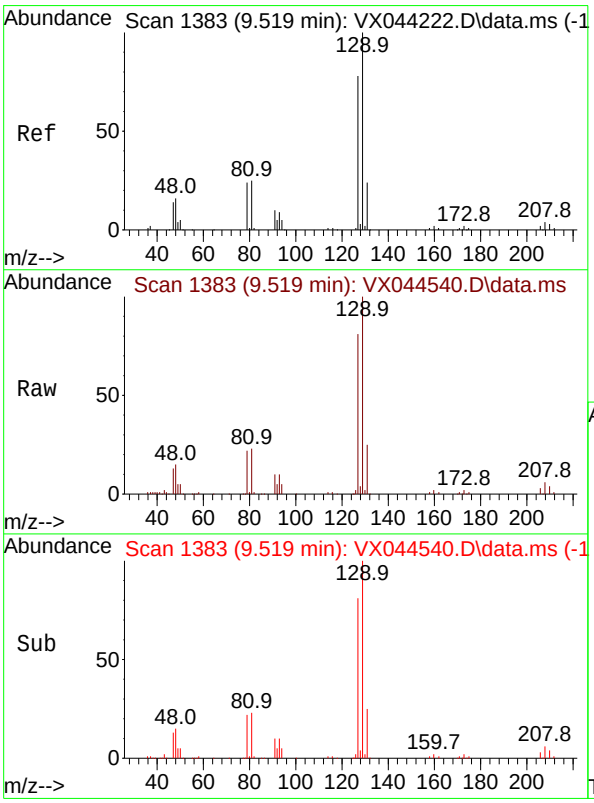

#59
2-Hexanone
Concen: 253.490 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 456184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.2 | 25.7 | 77.0 |

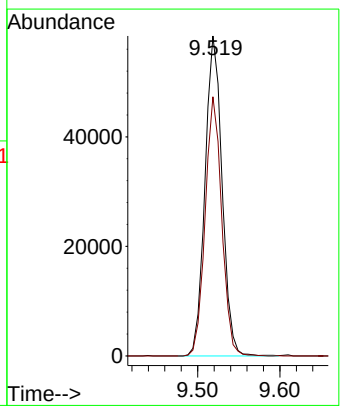


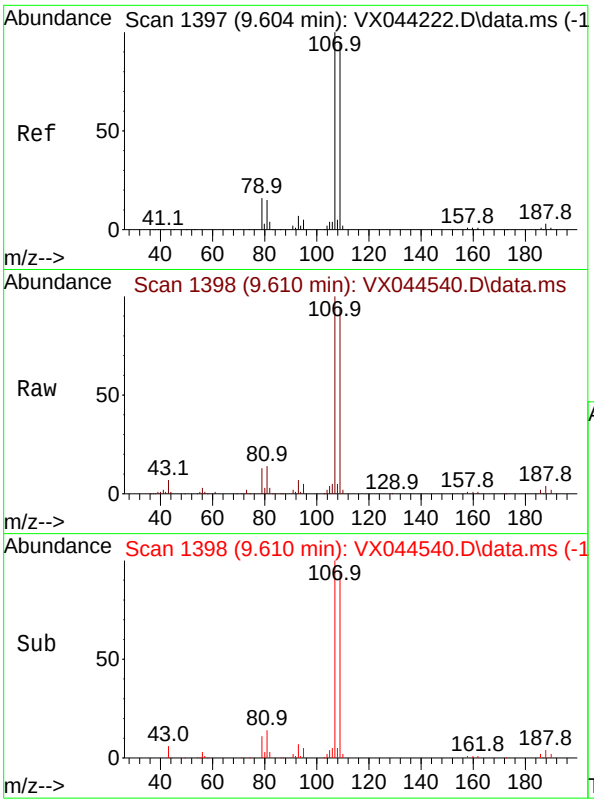




#60
Dibromochloromethane
Concen: 52.230 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:129 Resp: 84109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.6 | 38.5 | 115.3 |



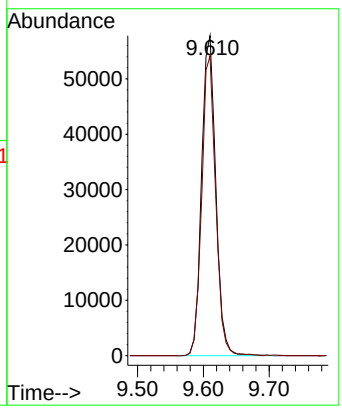


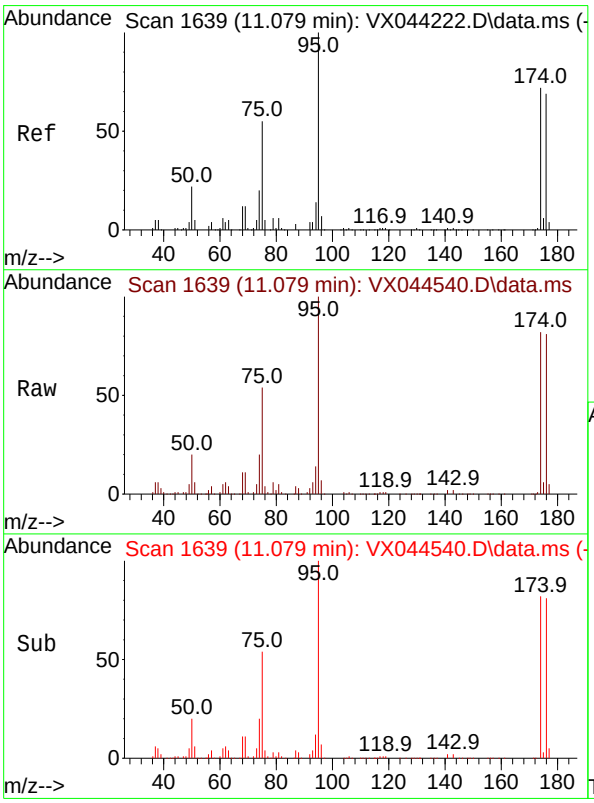

#61
1,2-Dibromoethane
Concen: 56.057 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 86500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.3 | 77.0 | 115.4 |

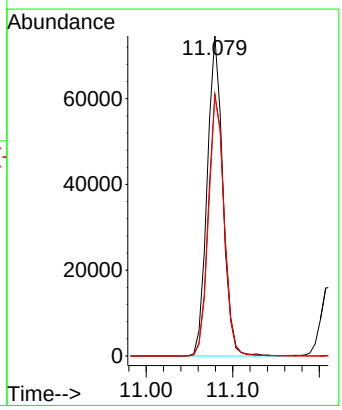


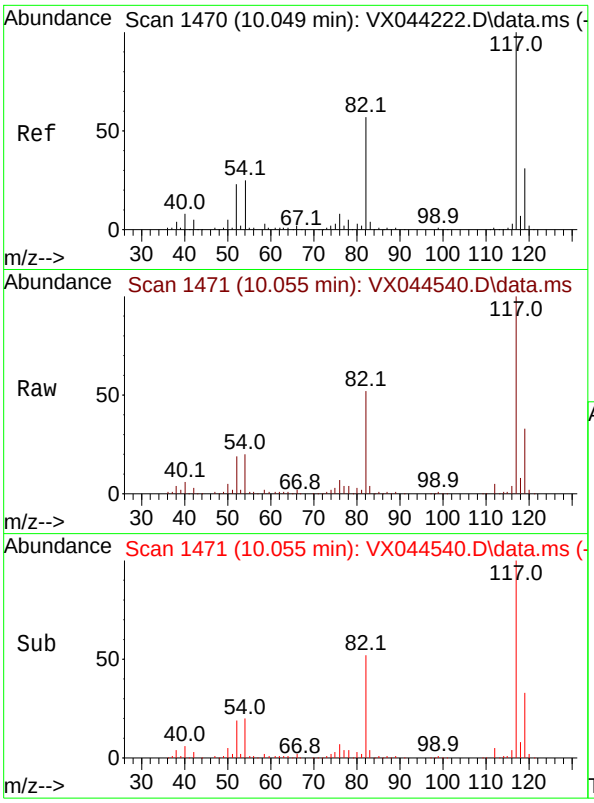




#62
4-Bromofluorobenzene
Concen: 50.906 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 95 Resp: 92916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.8 | 0.0 | 145.8 |
| 176 | 81.1 | 0.0 | 137.8 |



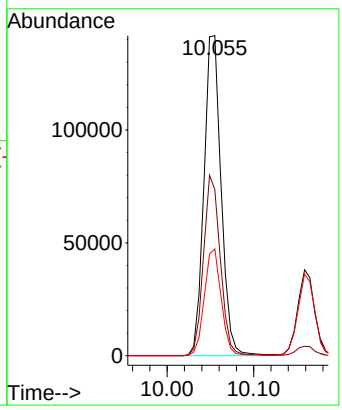


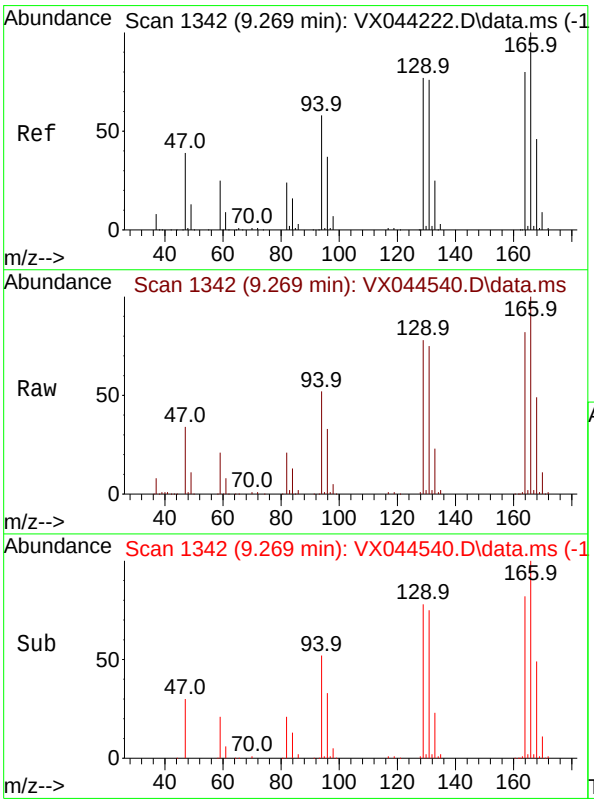

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 195826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.9 | 45.8 | 68.8 |
| 119 | 33.4 | 25.0 | 37.4 |

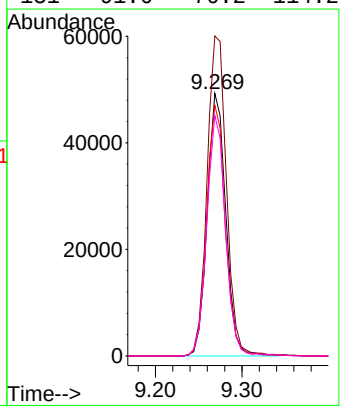


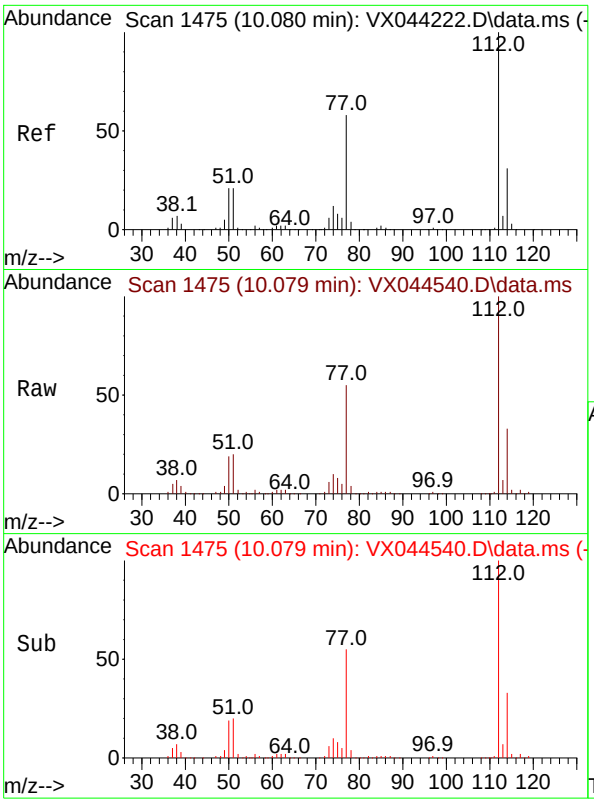




#64
Tetrachloroethene
Concen: 56.524 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:164 Resp: 73466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 121.9 | 100.4 | 150.6 |
| 129 | 95.5 | 77.2 | 115.8 |
| 131 | 91.6 | 76.2 | 114.2 |



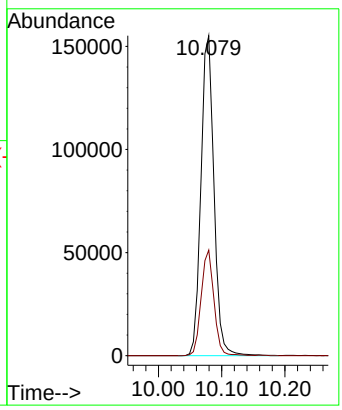


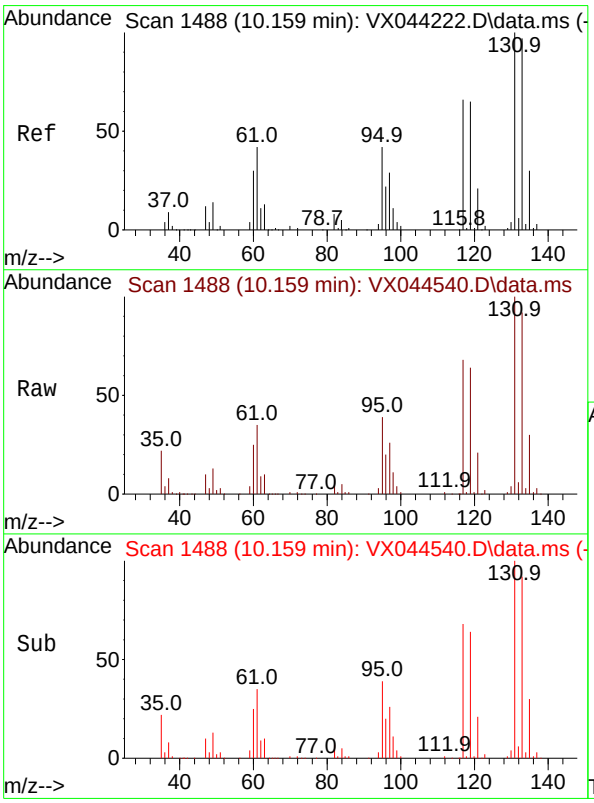

#65
Chlorobenzene
Concen: 53.076 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 222713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.0 | 25.0 | 37.6 |

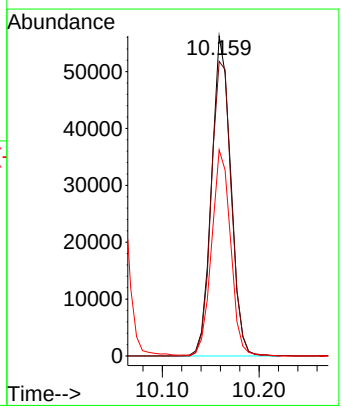


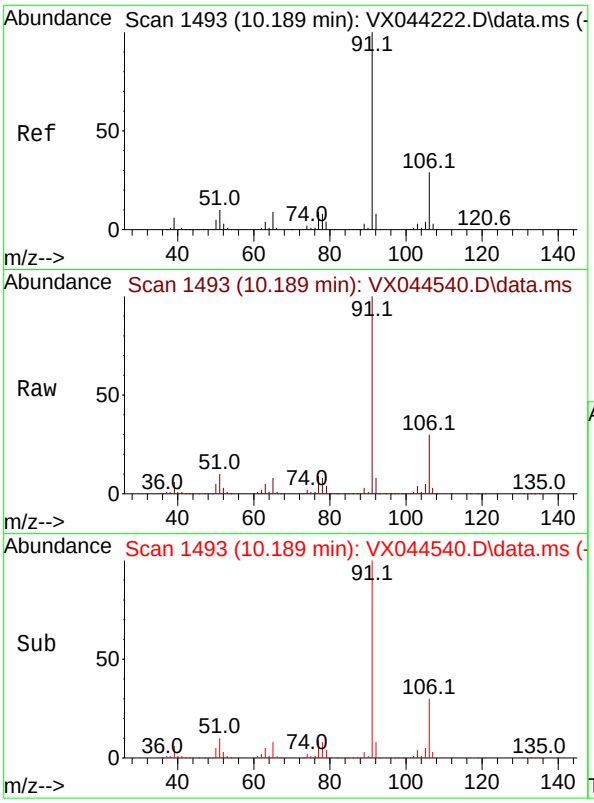




#66
1,1,1,2-Tetrachloroethane
Concen: 57.314 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:131 Resp: 77293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.5 | 47.3 | 141.8 |
| 119 | 63.8 | 31.6 | 95.0 |



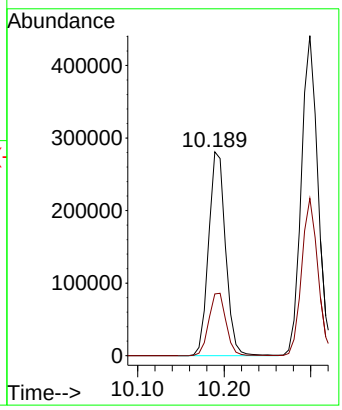


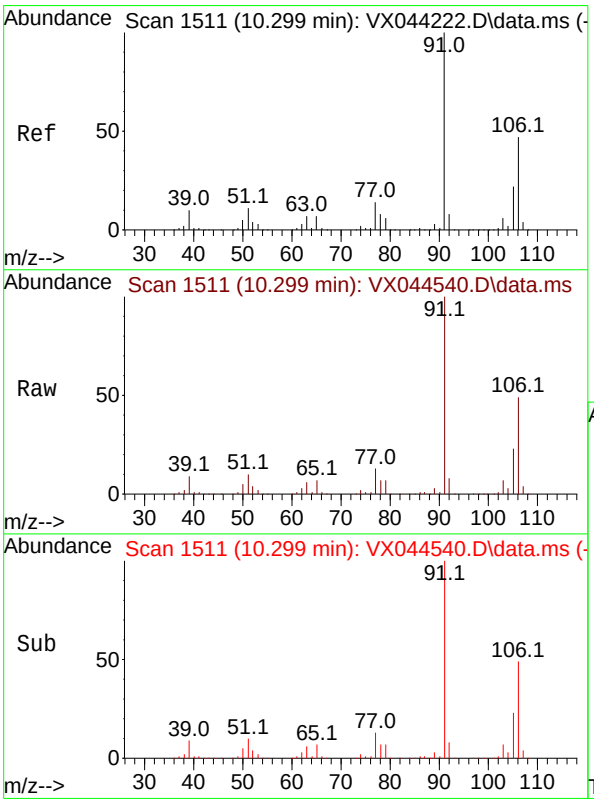

#67
Ethyl Benzene
Concen: 52.655 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 381762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 23.5 | 35.3 |

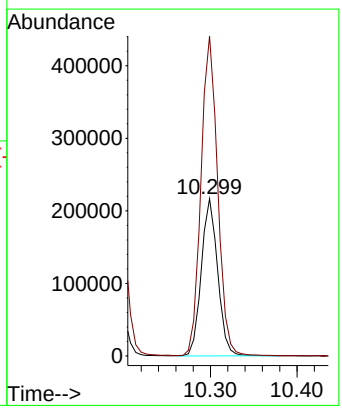


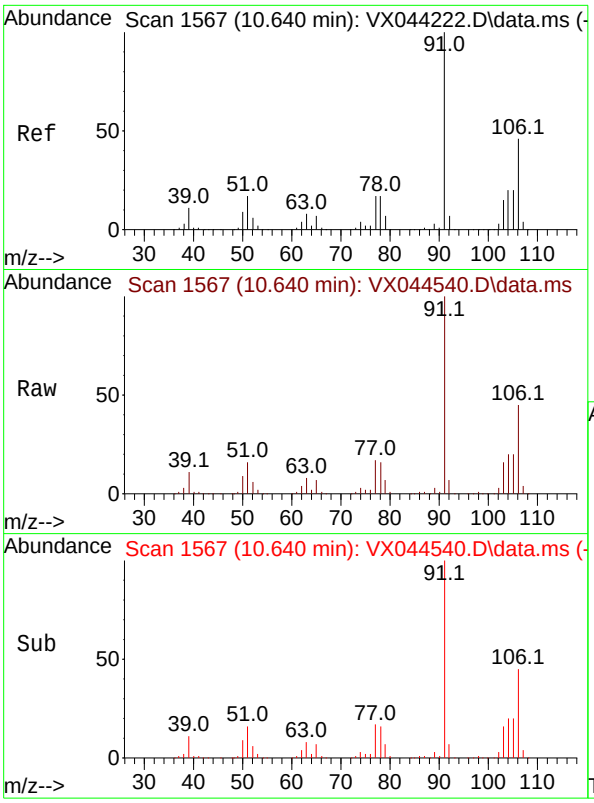




#68
m/p-Xylenes
Concen: 106.627 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:106 Resp: 283669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.0 | 170.2 | 255.2 |



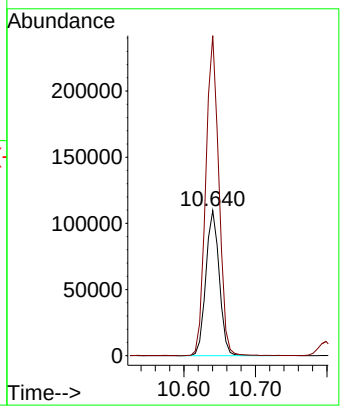


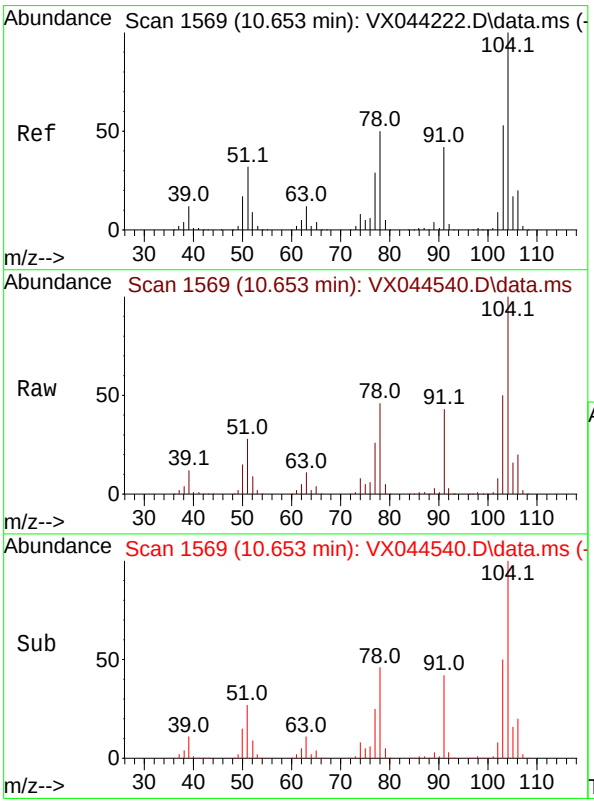

#69
o-Xylene
Concen: 53.072 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 142859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.5 | 112.3 | 337.0 |

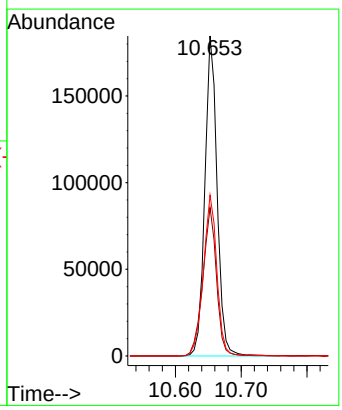


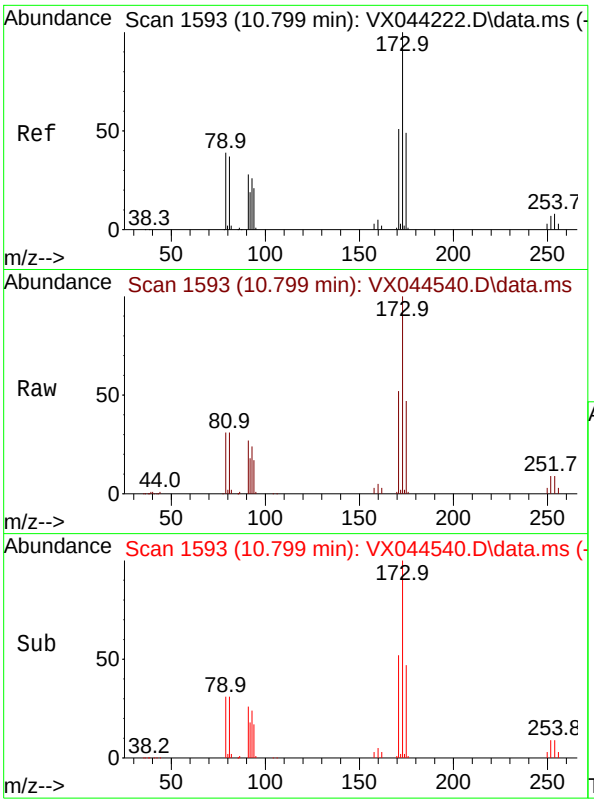




#70
Styrene
Concen: 55.603 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:104 Resp: 239936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 44.6 | 67.0 |
| 103 | 55.6 | 45.4 | 68.0 |



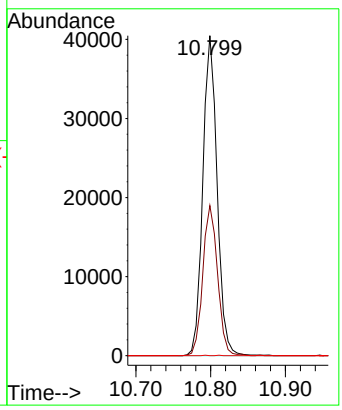


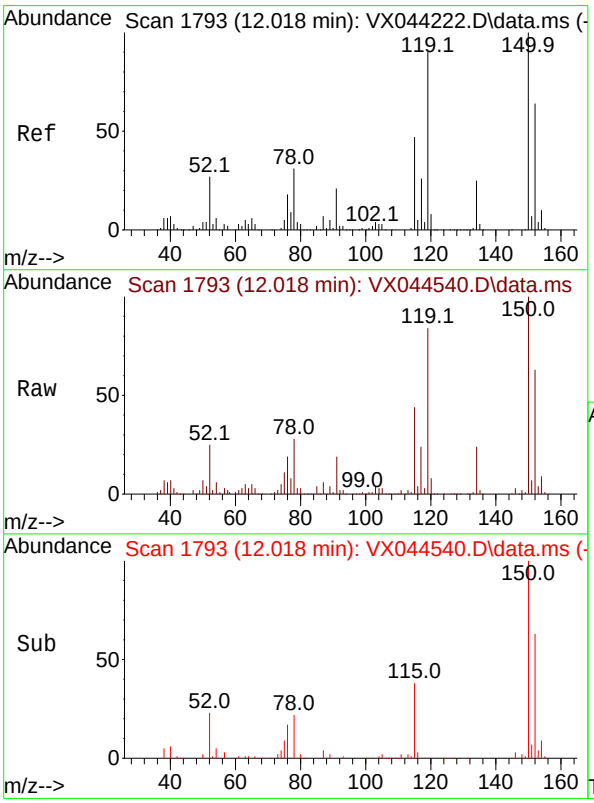

#71
Bromoform
Concen: 56.136 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 53742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0# |

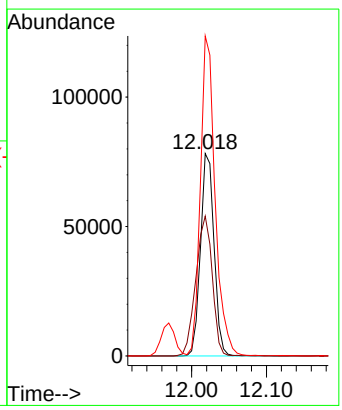


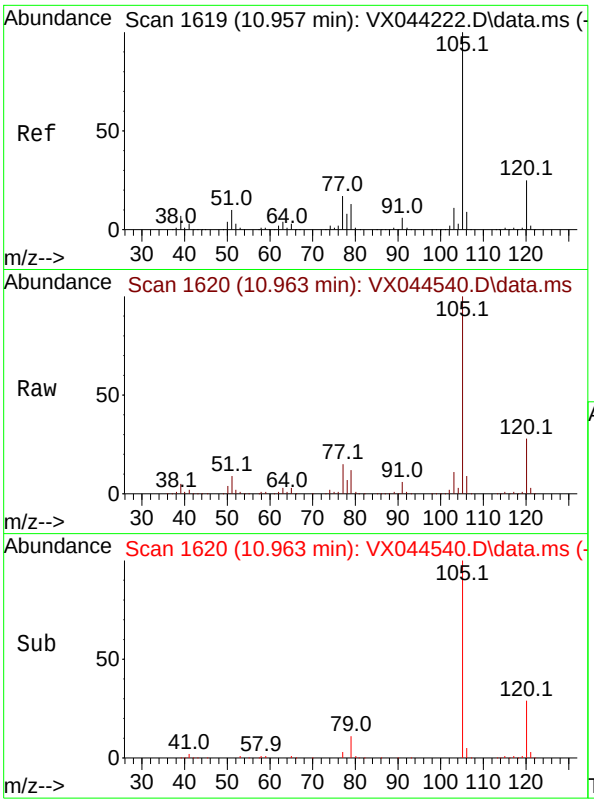




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:152 Resp: 98470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 83.7 | 44.5 | 133.3 |
| 150 | 171.5 | 0.0 | 353.8 |



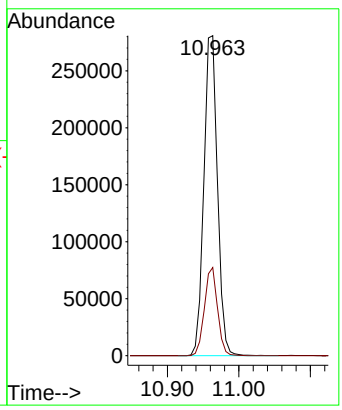


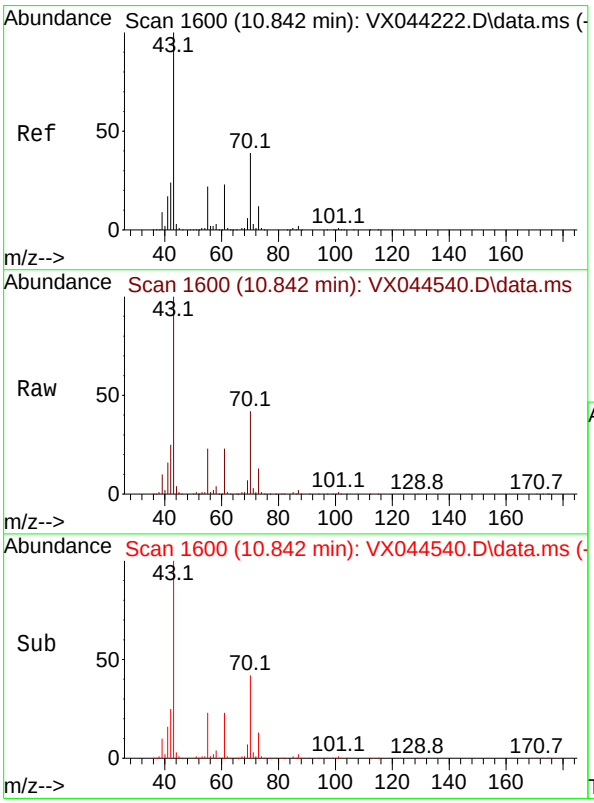

#73
Isopropylbenzene
Concen: 49.257 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 371310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 13.1 | 39.3 |

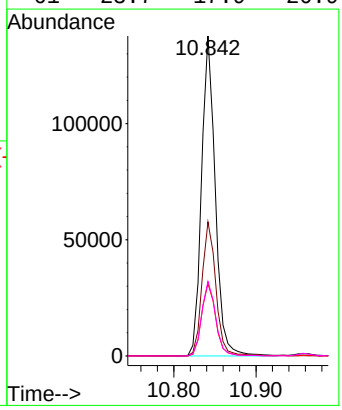


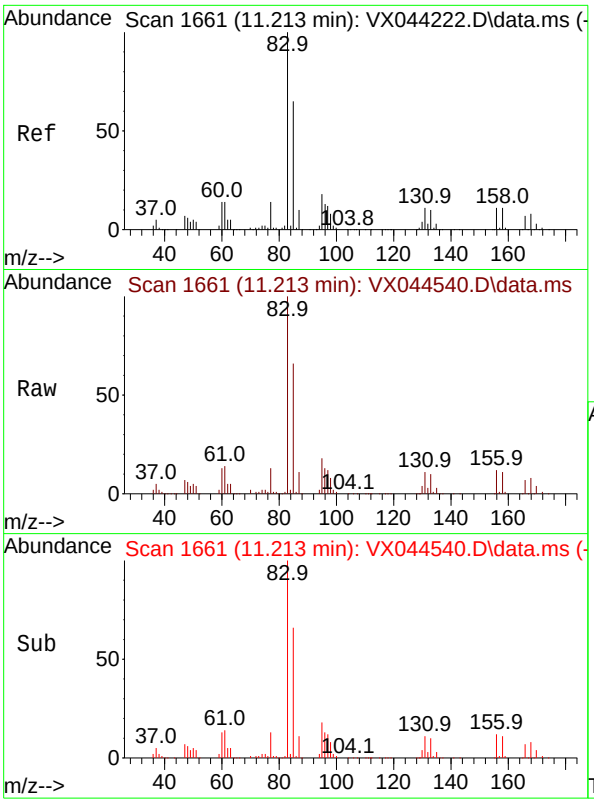




#74
N-amyl acetate
Concen: 45.915 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 159962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.3 | 31.9 | 47.9 |
| 55 | 23.3 | 17.9 | 26.9 |
| 61 | 23.7 | 17.9 | 26.9 |



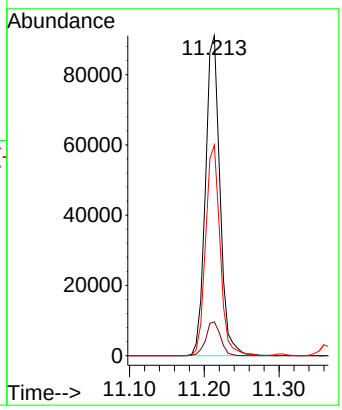


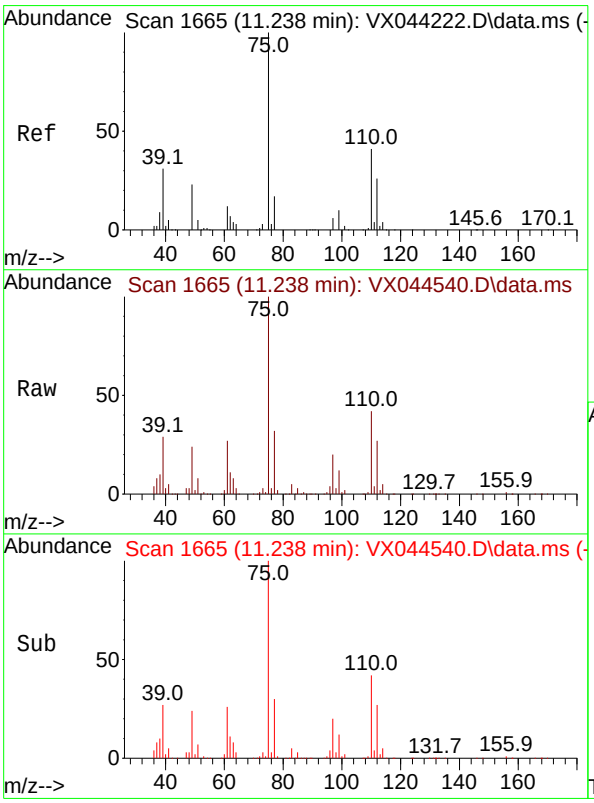

#75
1,1,2,2-Tetrachloroethane
Concen: 46.872 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 122724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 5.1 | 15.4 |
| 85 | 65.5 | 32.5 | 97.4 |

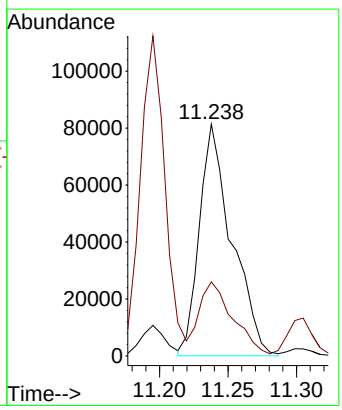


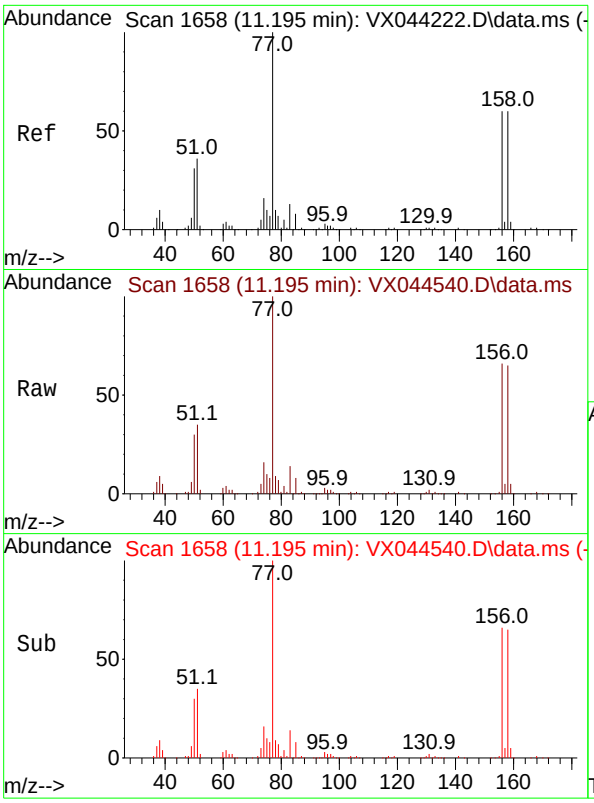




#76
1,2,3-Trichloropropane
Concen: 61.245 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 134654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.2 | 20.9 | 62.7 |



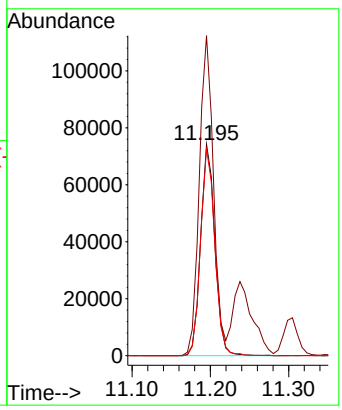


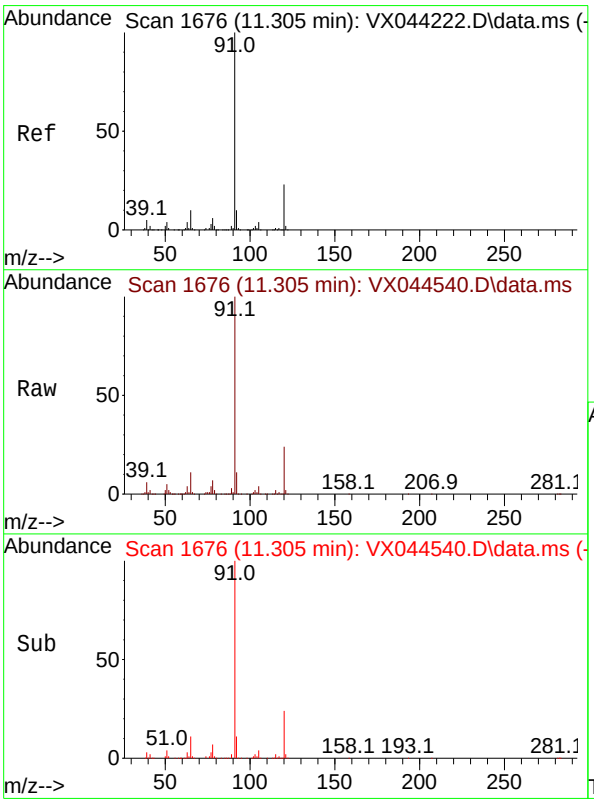

#77
Bromobenzene
Concen: 51.123 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 93453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 151.0 | 82.6 | 247.8 |
| 158 | 98.0 | 48.8 | 146.4 |

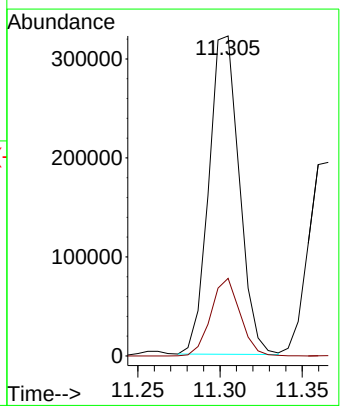


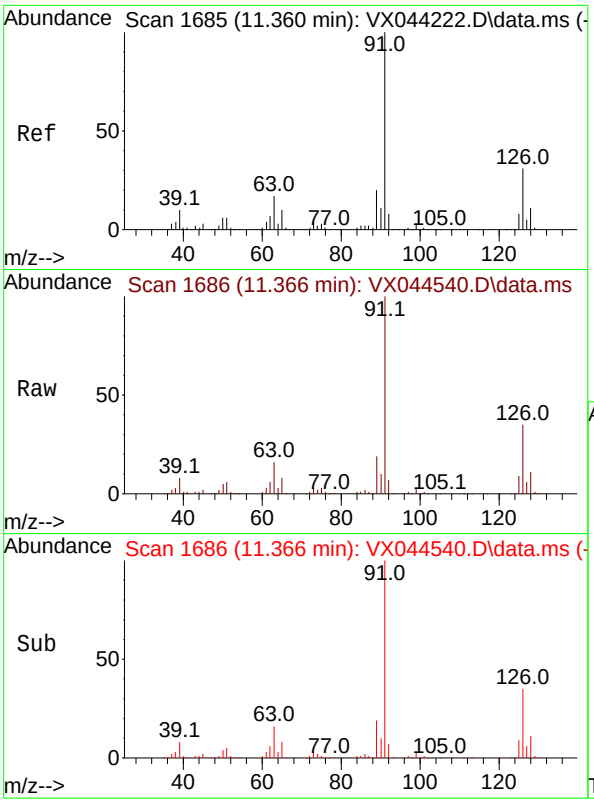




#78
n-propylbenzene
Concen: 49.746 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 414470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.5 | 11.0 | 33.0 |



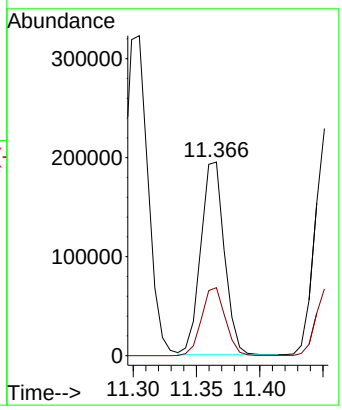


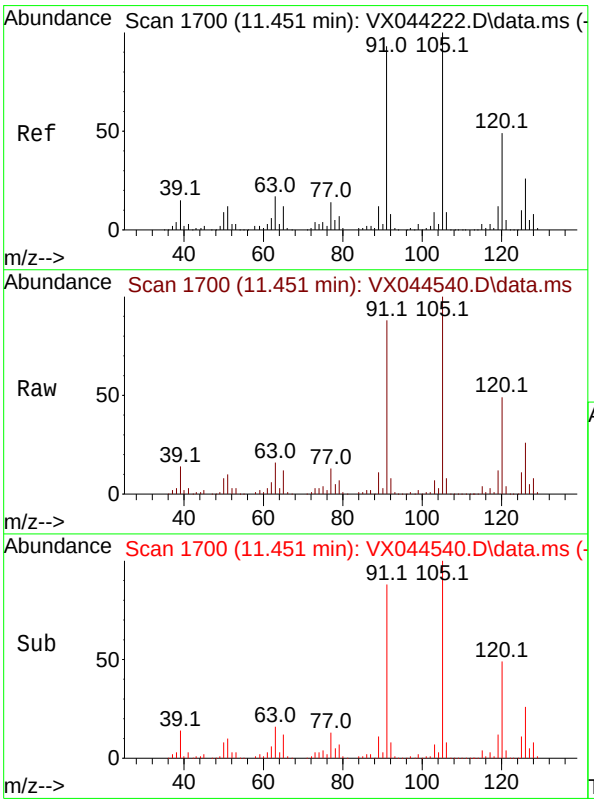

#79
2-Chlorotoluene
Concen: 47.028 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 253407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.5 | 16.4 | 49.1 |

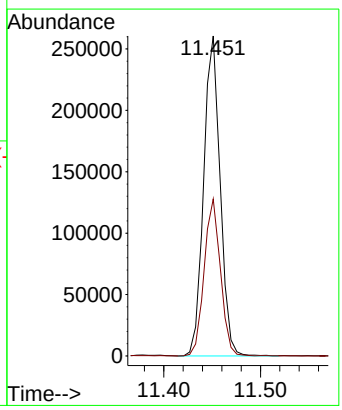


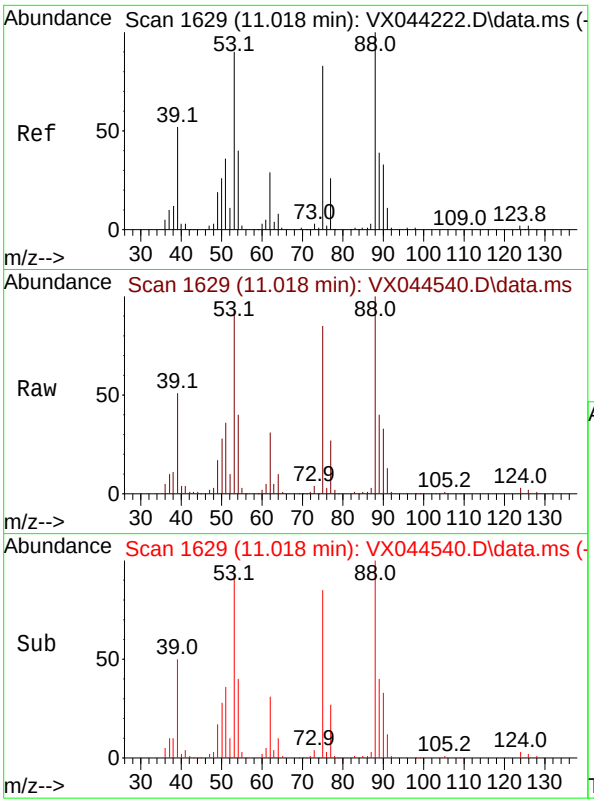




#80
1,3,5-Trimethylbenzene
Concen: 49.542 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 309707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 23.8 | 71.4 |



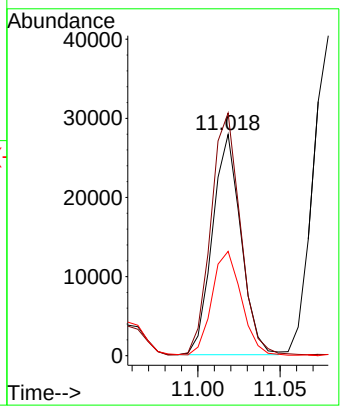


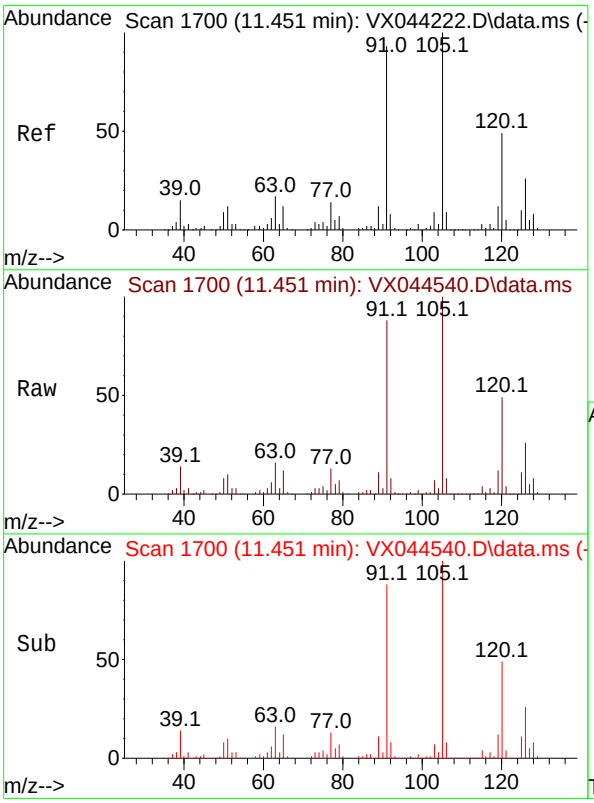

#81
trans-1,4-Dichloro-2-butene
Concen: 44.565 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 33669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 115.2 | 93.6 | 140.4 |
| 89 | 48.6 | 37.3 | 55.9 |

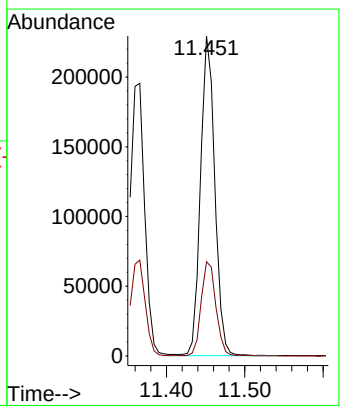


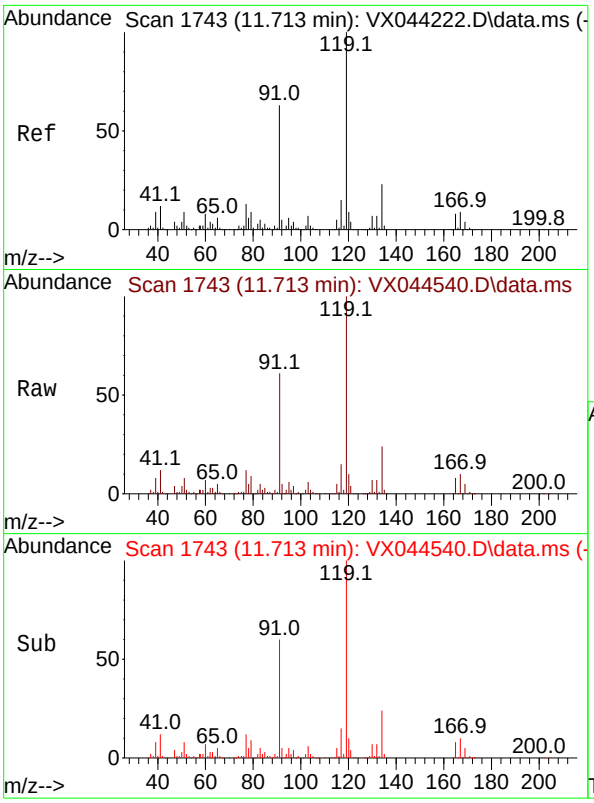




#82
4-Chlorotoluene
Concen: 48.495 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 289361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.5 | 14.5 | 43.5 |



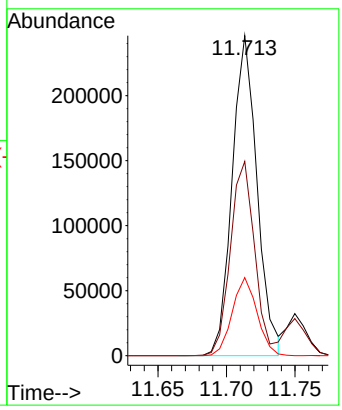


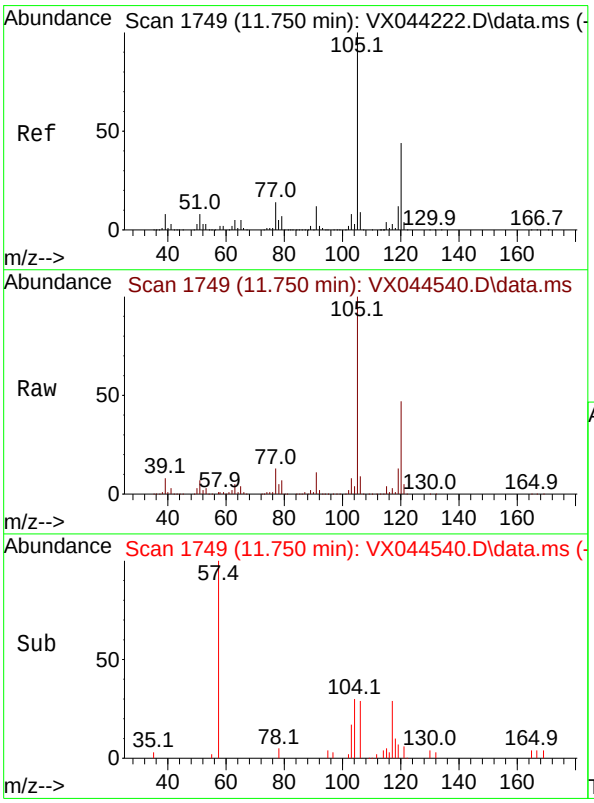

#83
tert-Butylbenzene
Concen: 50.383 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 311269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.8 | 30.9 | 92.5 |
| 134 | 24.3 | 11.5 | 34.4 |

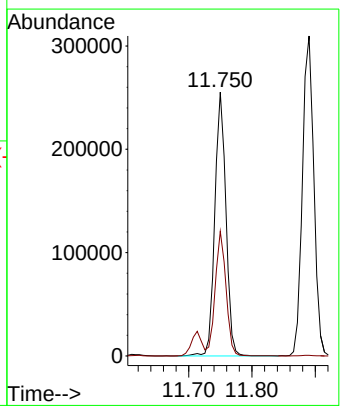


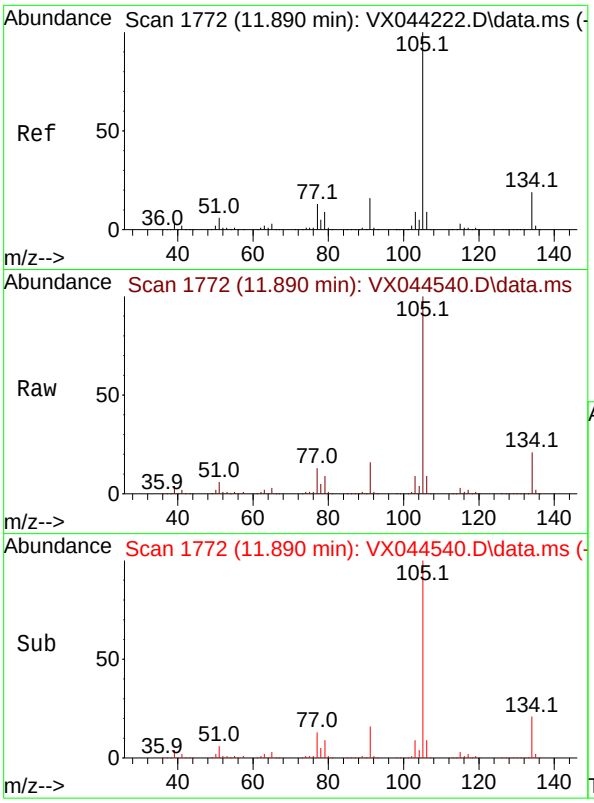




#84
1,2,4-Trimethylbenzene
Concen: 50.715 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 311357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.8 | 21.7 | 65.1 |



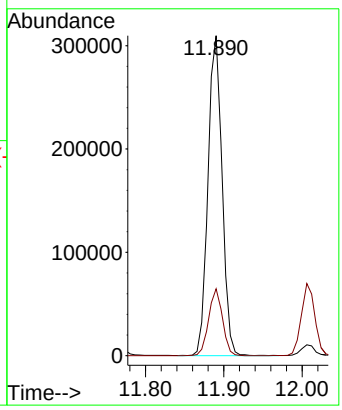


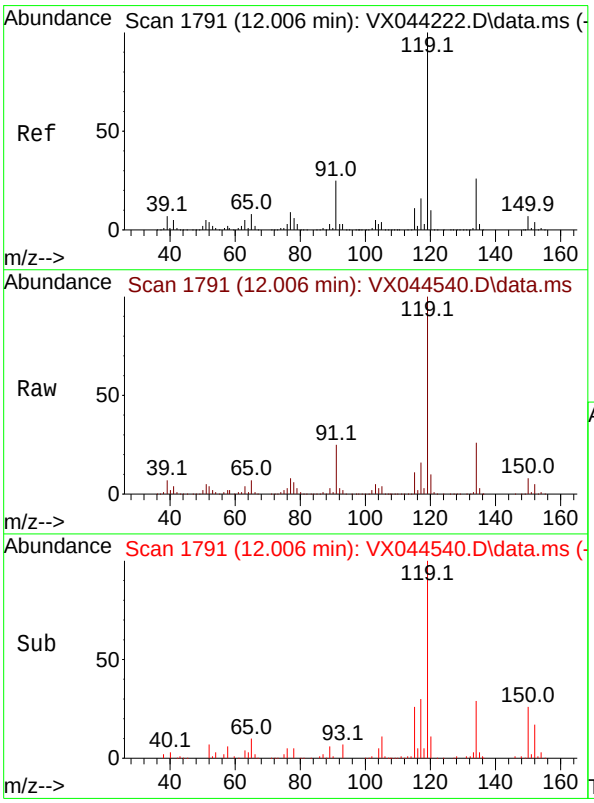

#85
sec-Butylbenzene
Concen: 51.464 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 385987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.5 | 9.8 | 29.4 |

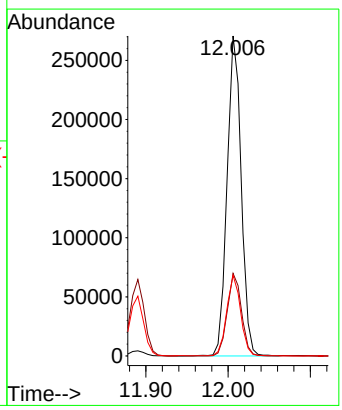


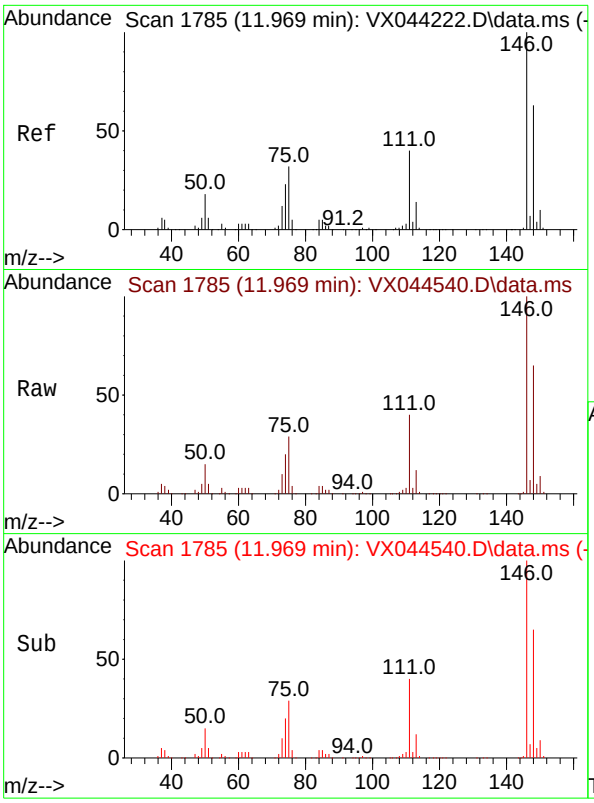




#86
p-Isopropyltoluene
Concen: 51.888 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:119 Resp: 323908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.8 | 38.4 |
| 91 | 24.7 | 13.0 | 39.0 |



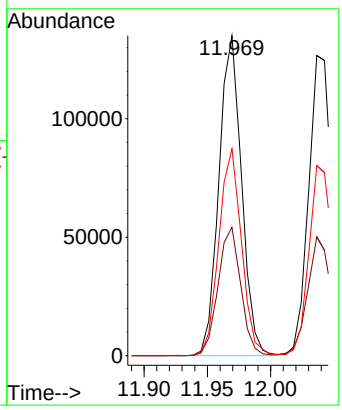


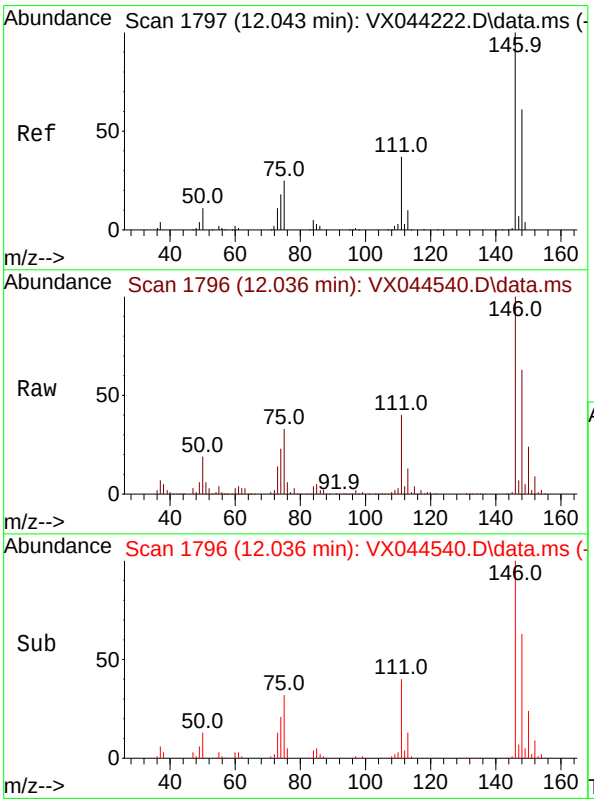

#87
1,3-Dichlorobenzene
Concen: 52.579 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 167888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 21.4 | 64.2 |
| 148 | 64.7 | 31.7 | 95.1 |

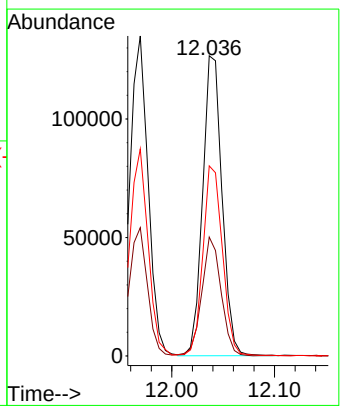


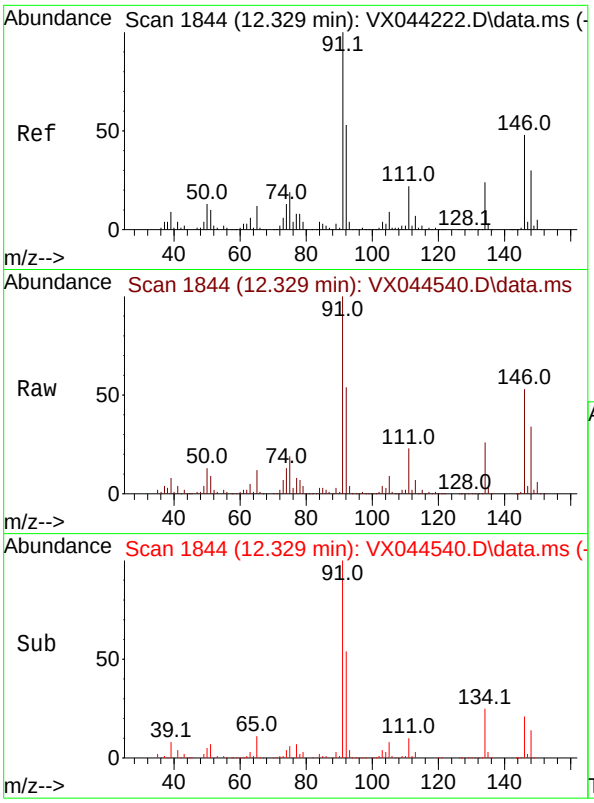




#88
1,4-Dichlorobenzene
Concen: 50.610 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:146 Resp: 166124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.3 | 21.0 | 63.0 |
| 148 | 64.0 | 32.3 | 96.8 |



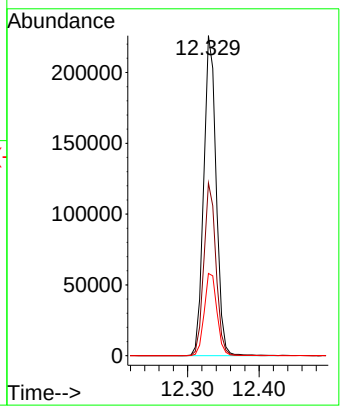


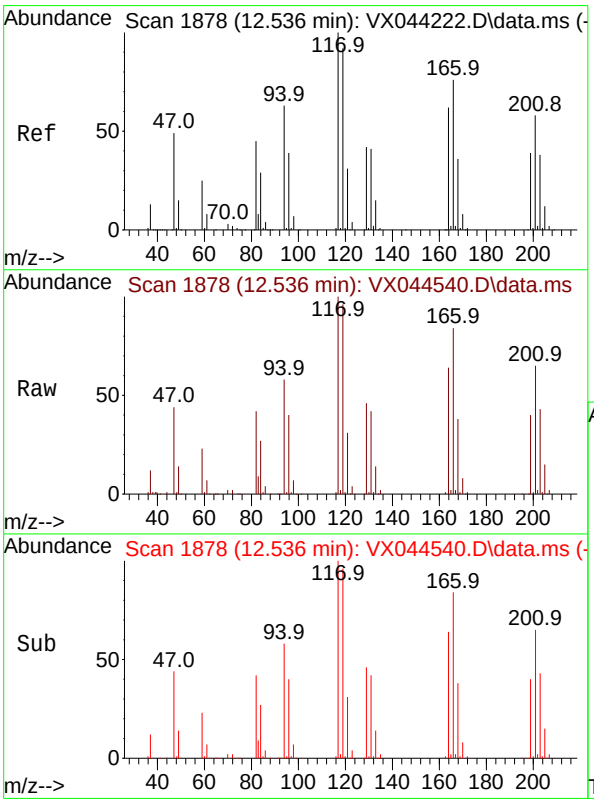

#89
n-Butylbenzene
Concen: 52.164 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 273813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.6 | 26.6 | 79.7 |
| 134 | 26.3 | 12.6 | 37.8 |

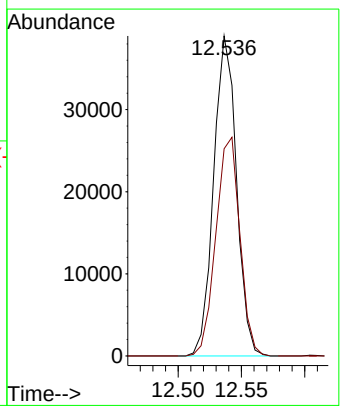


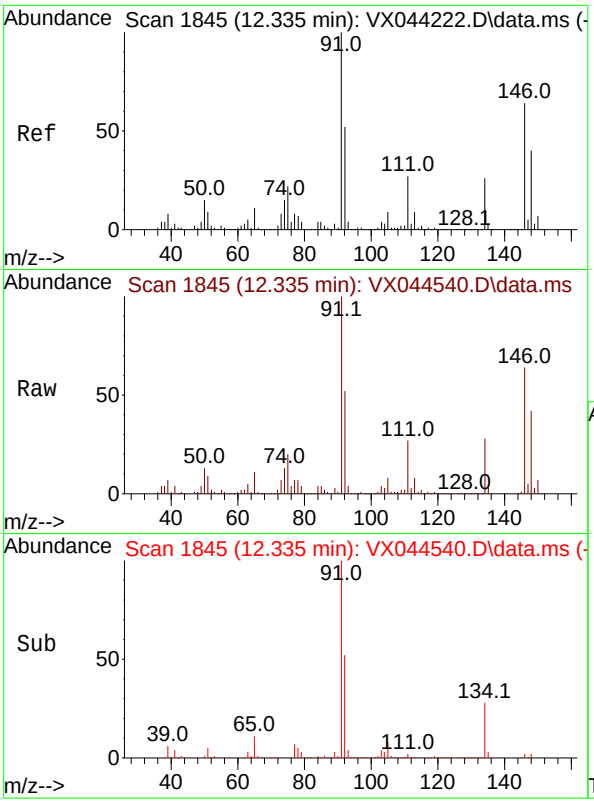




#90
Hexachloroethane
Concen: 53.517 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:117 Resp: 48767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.1 | 31.4 | 94.2 |



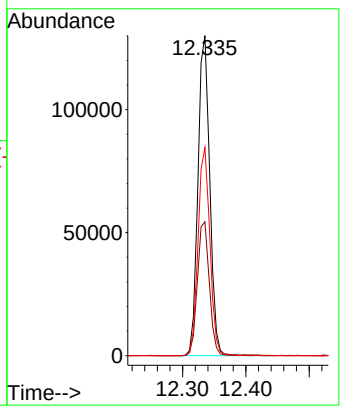


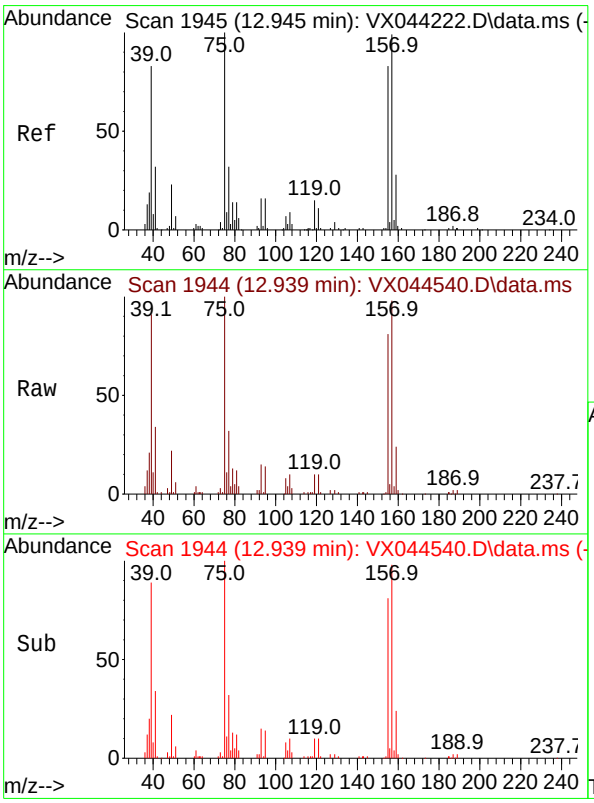

#91
1,2-Dichlorobenzene
Concen: 51.202 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 169759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 21.4 | 64.3 |
| 148 | 65.0 | 31.6 | 95.0 |

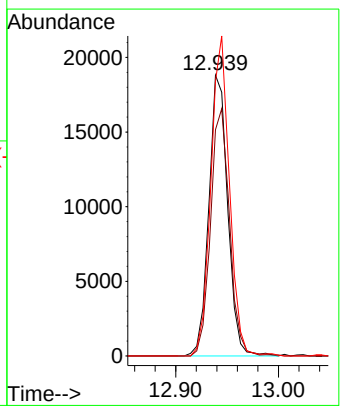


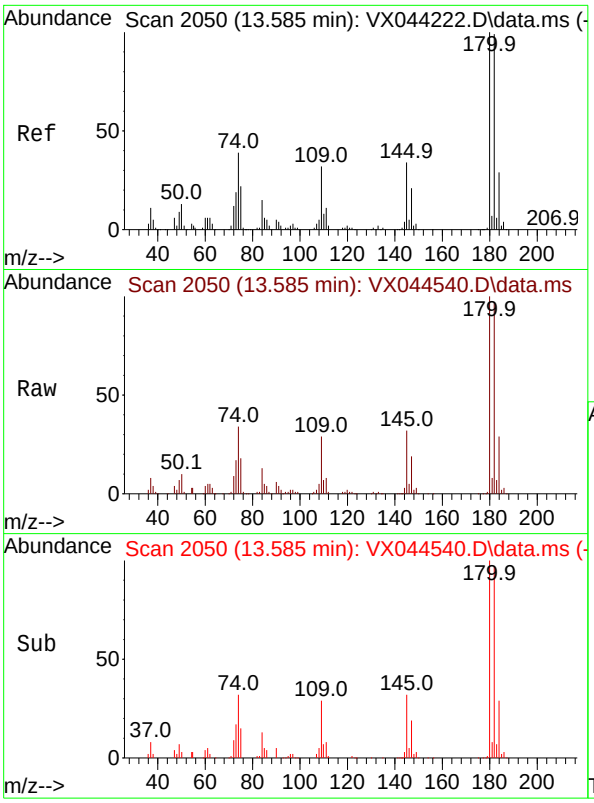




#92
1,2-Dibromo-3-Chloropropane
Concen: 47.105 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 23942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 88.7 | 38.1 | 114.3 |
| 157 | 112.3 | 47.2 | 141.6 |



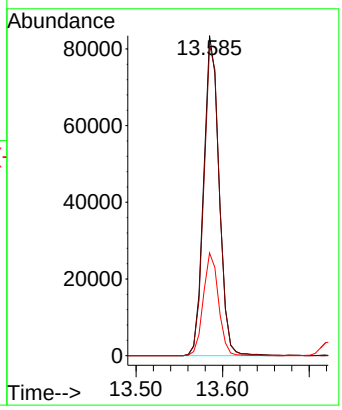


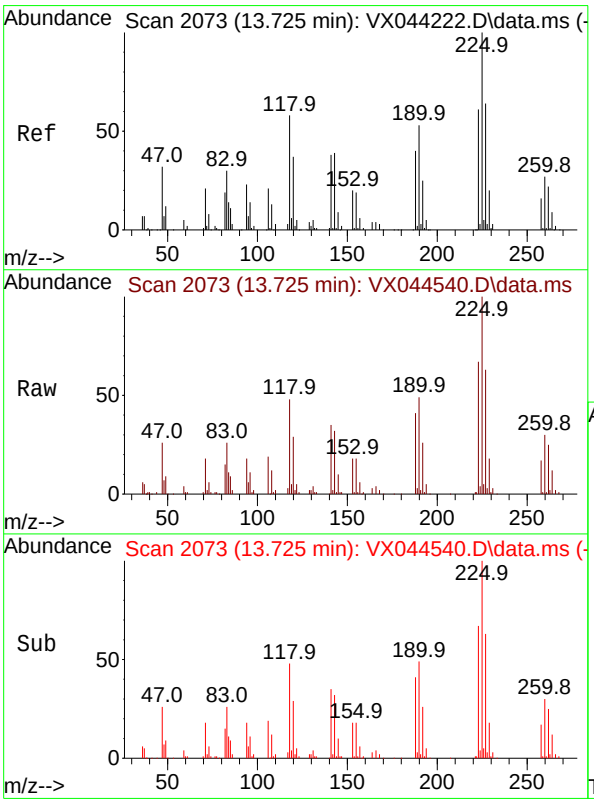

#93
1,2,4-Trichlorobenzene
Concen: 56.806 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 103255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.2 | 48.0 | 144.2 |
| 145 | 31.7 | 16.6 | 49.7 |

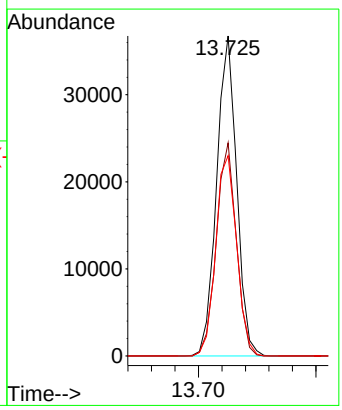


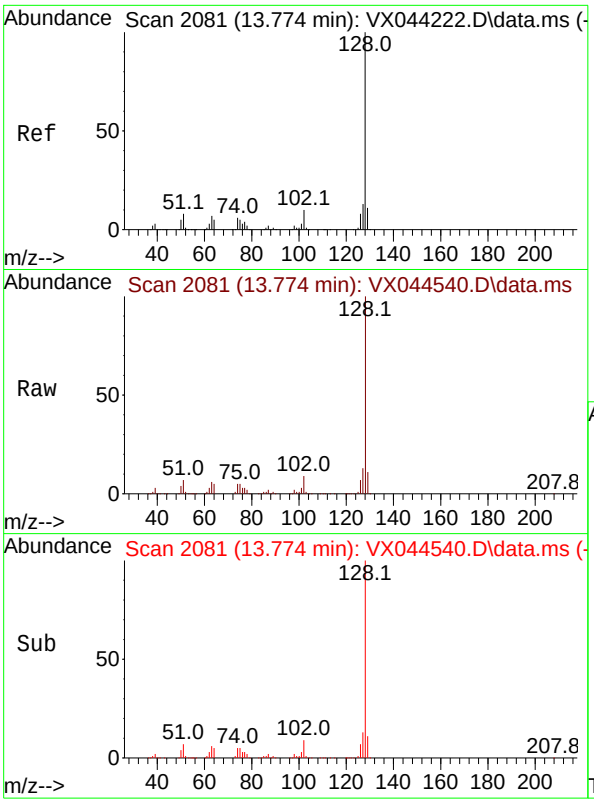




#94
Hexachlorobutadiene
Concen: 59.595 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:225 Resp: 43572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 66.1 | 30.8 | 92.4 |
| 227 | 65.4 | 32.1 | 96.3 |



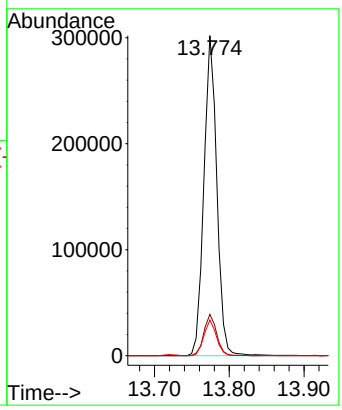


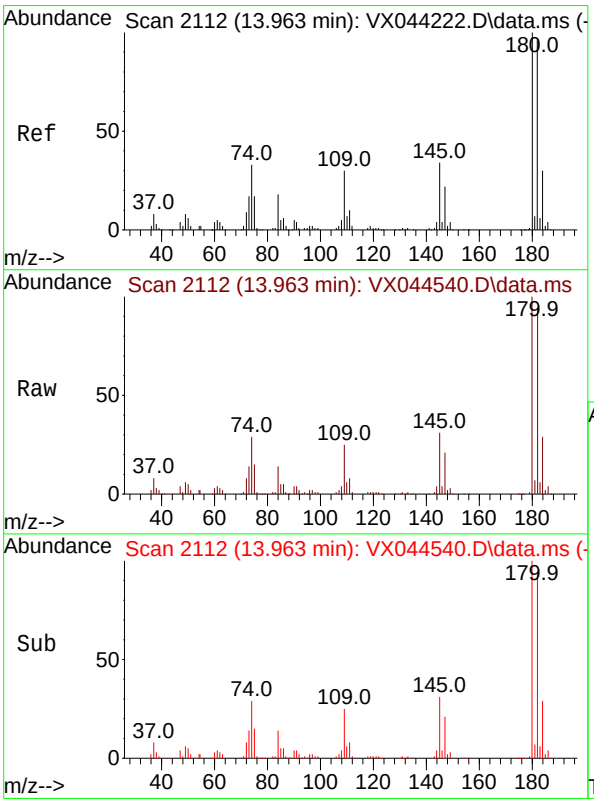

#95
Naphthalene
Concen: 51.070 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 362347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 10.9 | 9.0 | 13.4 |

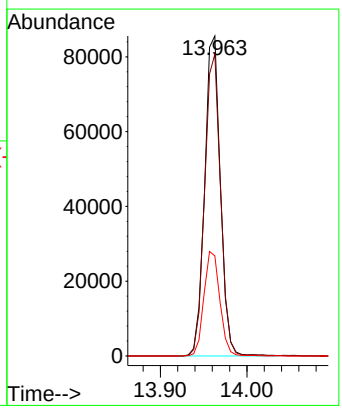



#96
1,2,3-Trichlorobenzene
Concen: 56.081 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:180 Resp: 108119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 48.0 | 144.0 |
| 145 | 33.1 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 153746 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 254154 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 219785 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 100843 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 114312 | 42.406 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 84.820% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 90038 | 51.151 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.300% | | | |
| 50) Toluene-d8 | 8.646 | 98 | 301165 | 50.713 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.420% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 103985 | 50.111 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.220% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 39021 | 16.414 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 36025 | 15.847 | ug/l | 97 |
| 4) Vinyl Chloride | 1.373 | 62 | 39305 | 16.596 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 26141 | 15.558 | ug/l | 99 |
| 6) Chloroethane | 1.666 | 64 | 25379 | 17.209 | ug/l | 91 |
| 7) Trichlorofluoromethane | 1.873 | 101 | 69078 | 14.898 | ug/l | 100 |
| 8) Diethyl Ether | 2.135 | 74 | 28126 | 17.771 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 34139 | 18.196 | ug/l | 94 |
| 10) Methyl Iodide | 2.440 | 142 | 44638 | 18.052 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.983 | 59 | 30824 | 81.134 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 31973 | 18.553 | ug/l | 94 |
| 13) Acrolein | 2.233 | 56 | 65679 | 119.429 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 47046 | 16.390 | ug/l | 97 |
| 15) Acrylonitrile | 3.068 | 53 | 91236 | 86.695 | ug/l | 98 |
| 16) Acetone | 2.385 | 43 | 81705 | 74.346 | ug/l | 96 |
| 17) Carbon Disulfide | 2.501 | 76 | 48174 | 14.706 | ug/l | 99 |
| 18) Methyl Acetate | 2.702 | 43 | 49803 | 17.576 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 111711 | 16.611 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 35960 | 17.421 | ug/l | 92 |
| 21) trans-1,2-Dichloroethene | 3.080 | 96 | 31555 | 17.229 | ug/l | 94 |
| 22) Diisopropyl ether | 3.763 | 45 | 105148 | 16.268 | ug/l | 95 |
| 23) Vinyl Acetate | 3.720 | 43 | 443441 | 84.386 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 62553 | 17.362 | ug/l | 97 |
| 25) 2-Butanone | 4.562 | 43 | 125426 | 80.280 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 50413 | 17.223 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 39939 | 17.170 | ug/l | 95 |
| 28) Bromochloromethane | 4.897 | 49 | 29914 | 16.932 | ug/l | 94 |
| 29) Tetrahydrofuran | 5.007 | 42 | 80671 | 80.443 | ug/l | 97 |
| 30) Chloroform | 5.086 | 83 | 68047 | 16.810 | ug/l | 100 |
| 31) Cyclohexane | 5.458 | 56 | 47583 | 16.355 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 56892 | 16.931 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 41811 | 18.376 | ug/l | 97 |
| 37) Ethyl Acetate | 4.720 | 43 | 48902 | 17.387 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 46337 | 18.916 | ug/l | 99 |
| 39) Methylcyclohexane | 7.372 | 83 | 52019 | 19.124 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 133403 | 19.310 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.921 | 41 | 26206 | 17.547 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 53308 | 18.732 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 77717 | 17.679 | ug/l | | 97 |
| 44) Trichloroethene | 7.122 | 130 | 34218 | 19.862 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33258 | 18.843 | ug/l | | 99 |
| 46) Dibromomethane | 7.580 | 93 | 26469 | 19.331 | ug/l | | 93 |
| 47) Bromodichloromethane | 7.817 | 83 | 44308 | 18.736 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.695 | 41 | 38081 | 17.845 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 10441 | 295.105 | ug/l | | 88 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 256481 | 90.739 | ug/l | | 99 |
| 52) Toluene | 8.713 | 92 | 81853 | 18.868 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 42464 | 17.946 | ug/l | | 92 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 49386 | 19.180 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.152 | 97 | 34756 | 20.166 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 48658 | 17.884 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 57049 | 19.017 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 113825 | 82.945 | ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 186080 | 90.950 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.518 | 129 | 31945 | 18.797 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 35083 | 19.998 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.268 | 164 | 30154 | 20.671 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 91014 | 19.326 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 10.164 | 131 | 30176 | 19.937 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 154584 | 18.997 | ug/l | | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 117637 | 39.398 | ug/l | | 95 |
| 69) o-Xylene | 10.640 | 106 | 57605 | 19.067 | ug/l | | 97 |
| 70) Styrene | 10.652 | 104 | 94578 | 19.528 | ug/l | | 97 |
| 71) Bromoform | 10.798 | 173 | 19071 | 20.029 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 150815 | 19.536 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 60883 | 17.065 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 52073 | 19.420 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 53292 | 23.669 | ug/l | | 87 |
| 77) Bromobenzene | 11.201 | 156 | 38364 | 20.493 | ug/l | | 92 |
| 78) n-propylbenzene | 11.304 | 91 | 163660 | 19.181 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.365 | 91 | 104313 | 18.903 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 125956 | 19.674 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 12327 | 19.517 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 115520 | 18.905 | ug/l | | 96 |
| 83) tert-Butylbenzene | 11.713 | 119 | 124037 | 19.605 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 125891 | 20.023 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 152233 | 19.820 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 126730 | 19.824 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 66973 | 20.481 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 67120 | 19.967 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 102486 | 19.065 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 17305 | 18.544 | ug/l | | 87 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 65715 | 19.354 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75 | 8617 | 16.555 | ug/l | | 90 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 38478 | 20.671 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 16427 | 21.939 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 134577 | 18.521 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 40587 | 20.557 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

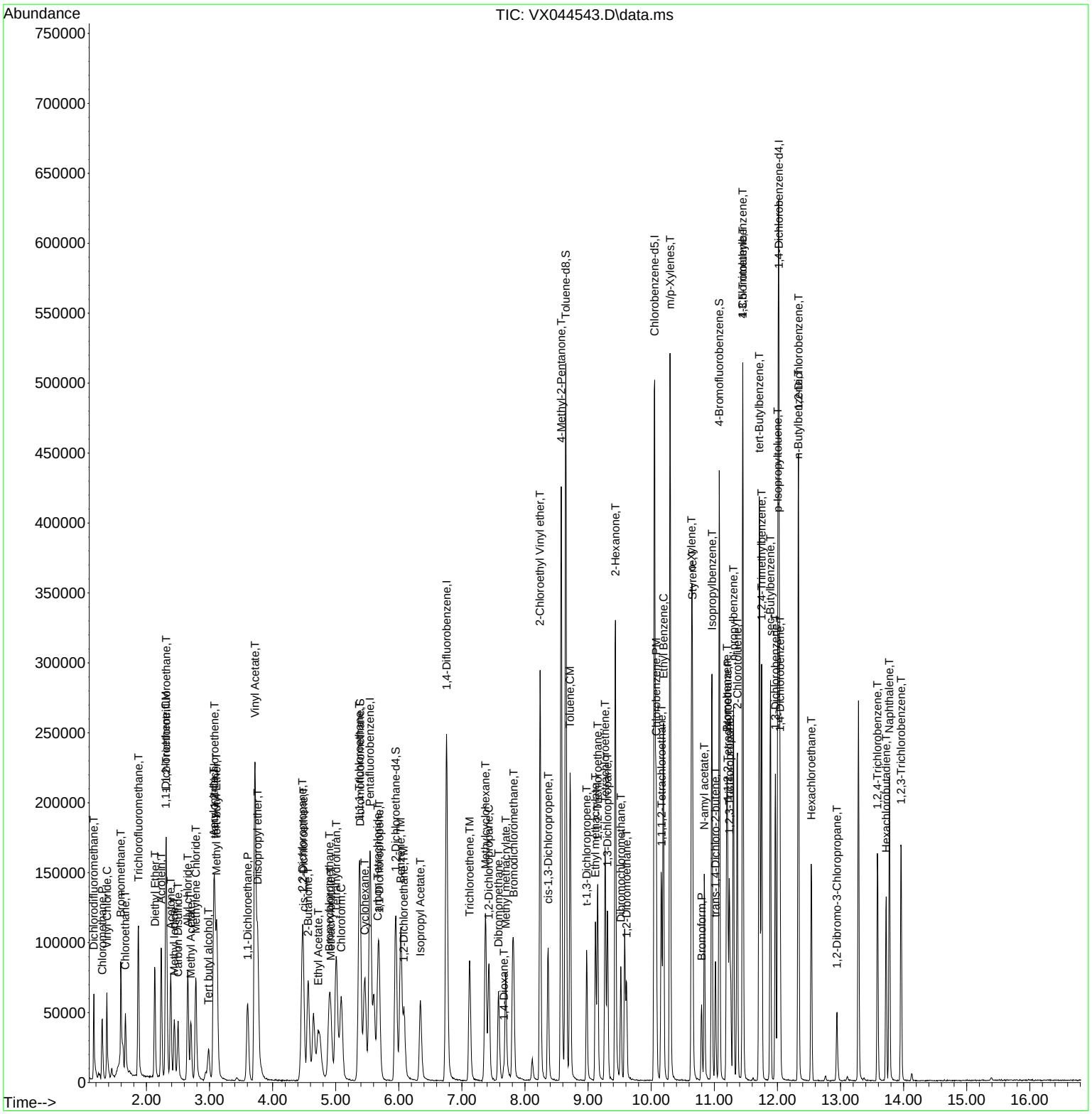
(#) = qualifier out of range (m) = manual integration (+) = signals summed

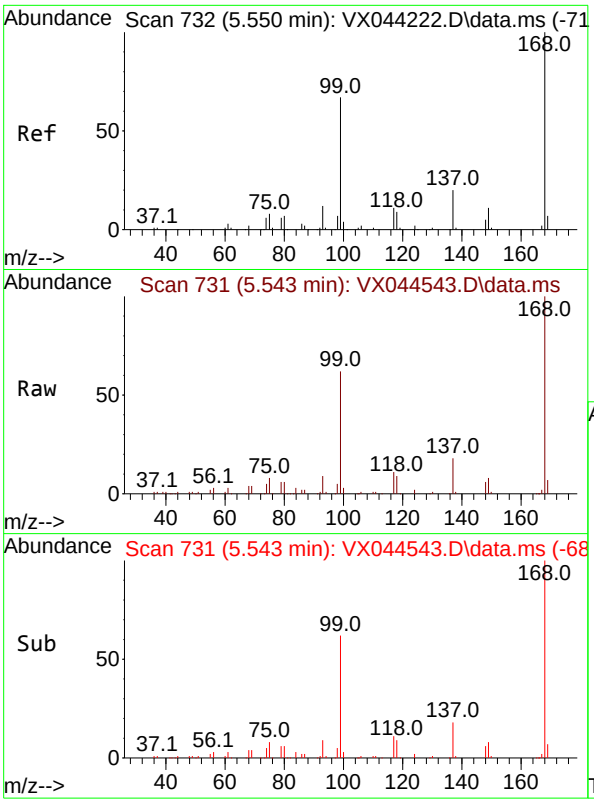
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



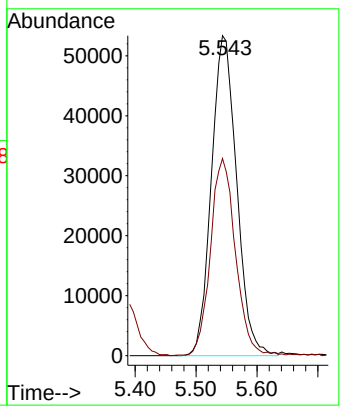


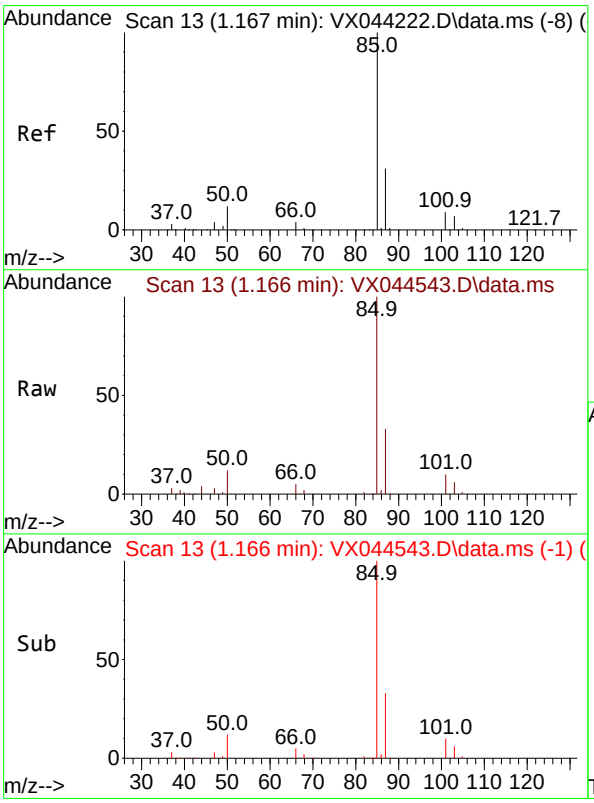

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:168 Resp: 153746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.4 | 53.4 | 80.0 |

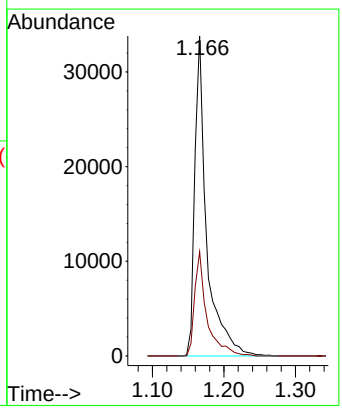


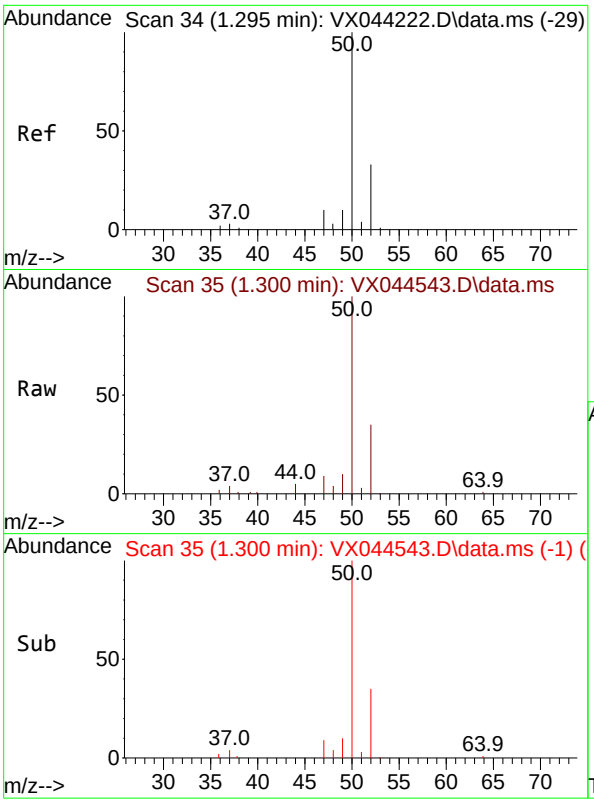




#2
Dichlorodifluoromethane
Concen: 16.414 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 85 Resp: 39021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 15.4 | 46.4 |



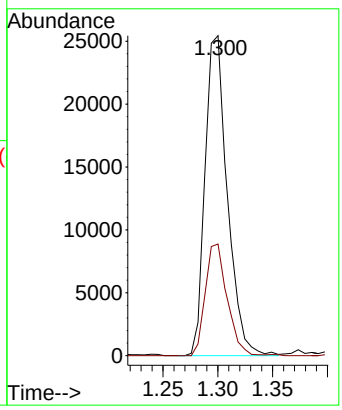


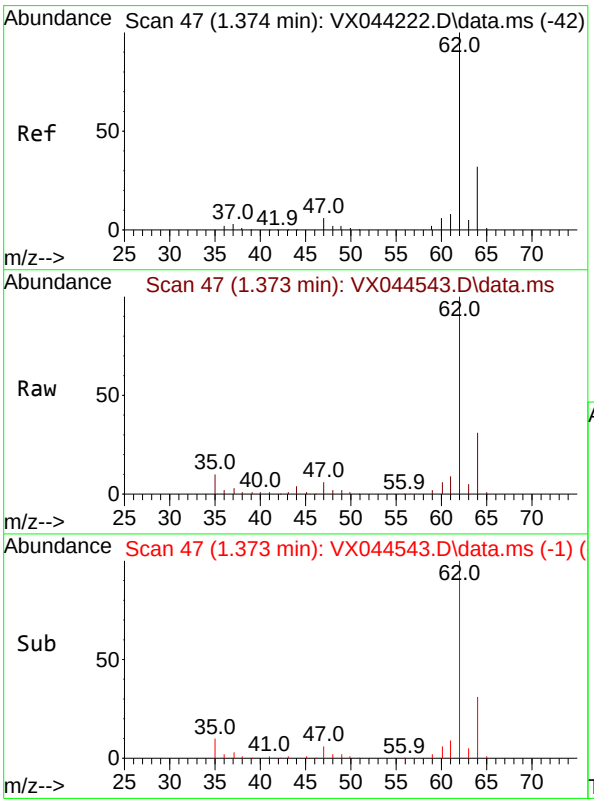

#3
Chloromethane
Concen: 15.847 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 50 Resp: 36025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.9 | 26.5 | 39.7 |

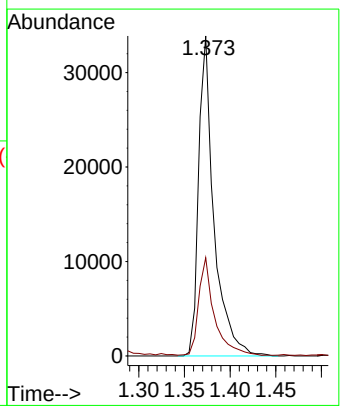


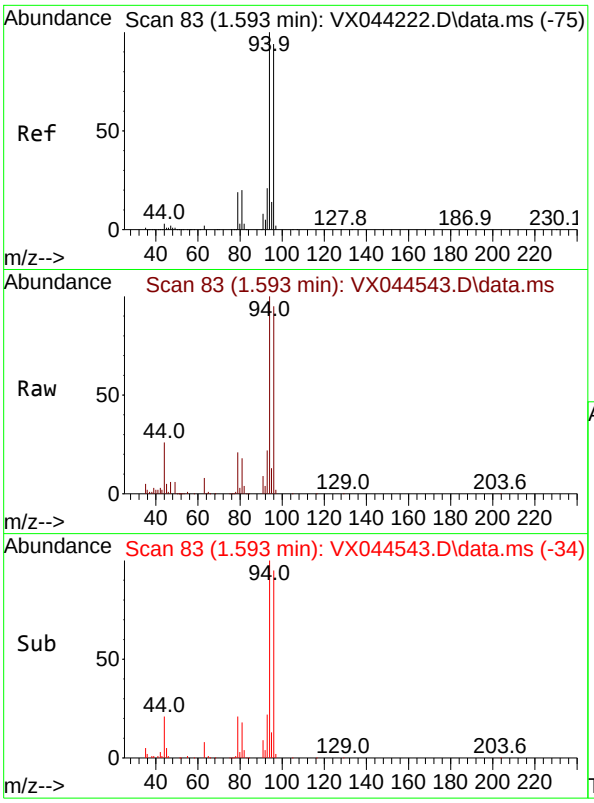




#4
Vinyl Chloride
Concen: 16.596 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 62 Resp: 39305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.5 | 25.7 | 38.5 |



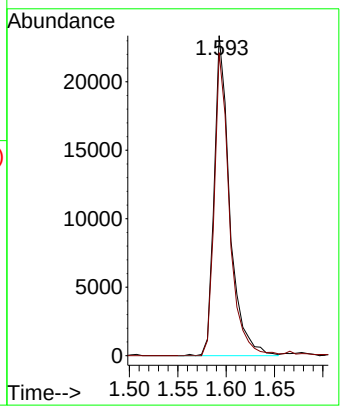


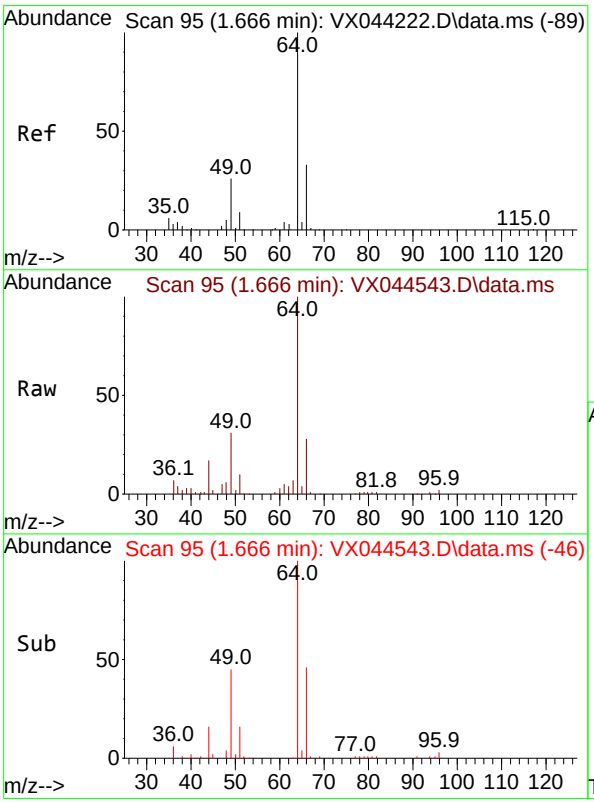

#5
Bromomethane
Concen: 15.558 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 94 Resp: 26141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.7 | 74.9 | 112.3 |

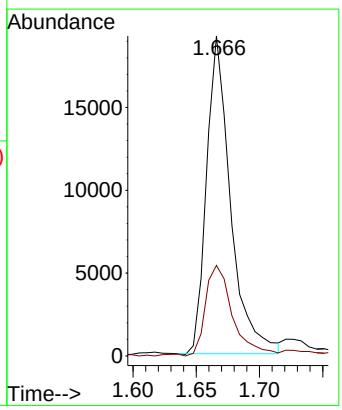


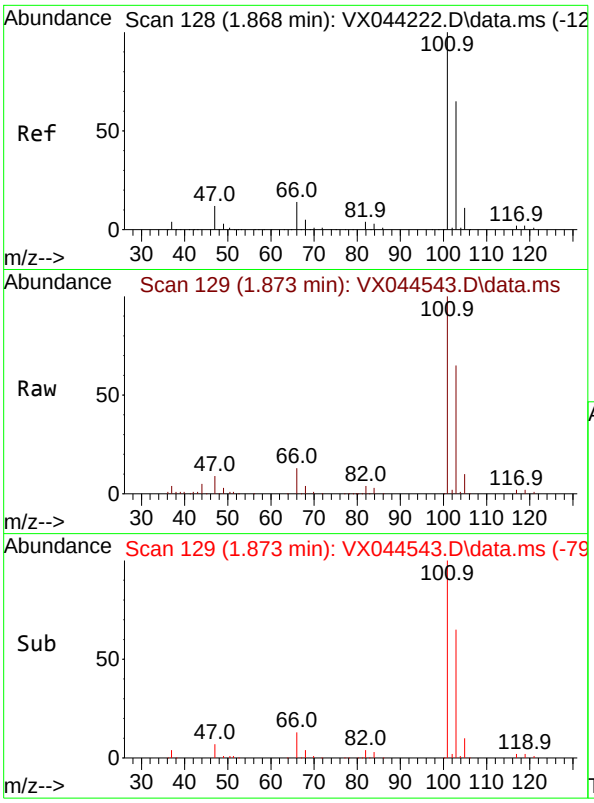




#6
Chloroethane
Concen: 17.209 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 64 Resp: 25379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 27.9 | 26.6 | 39.8 |



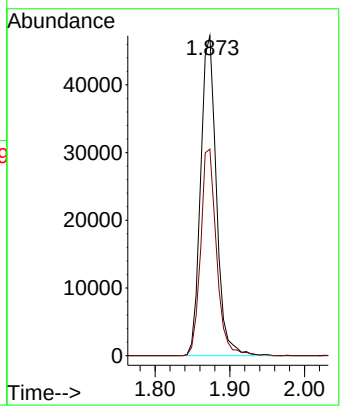


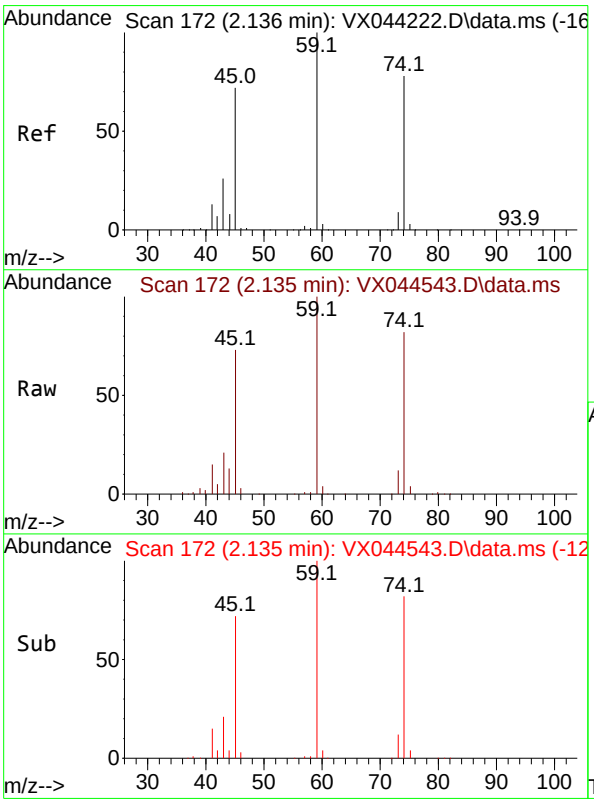

#7
Trichlorofluoromethane
Concen: 14.898 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:101 Resp: 69078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.6 | 51.8 | 77.8 |

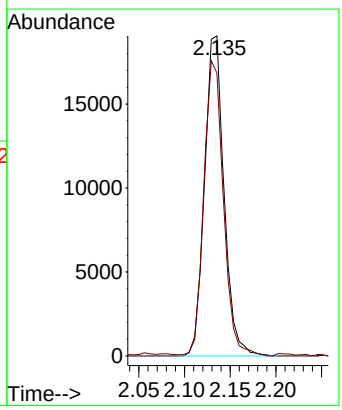


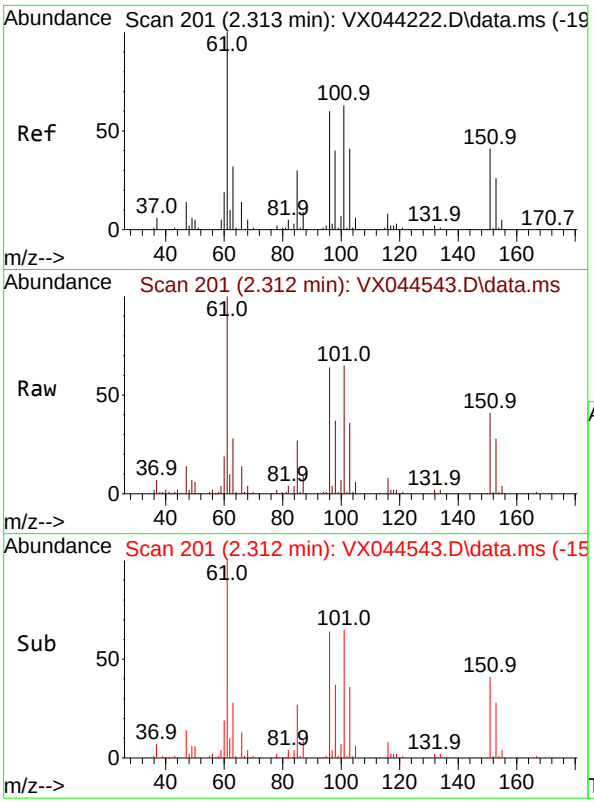




#8
Diethyl Ether
Concen: 17.771 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 74 Resp: 28126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 93.1 | 48.4 | 145.0 |



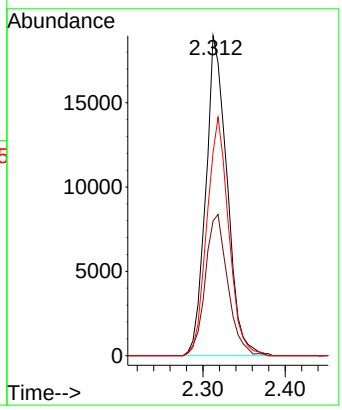


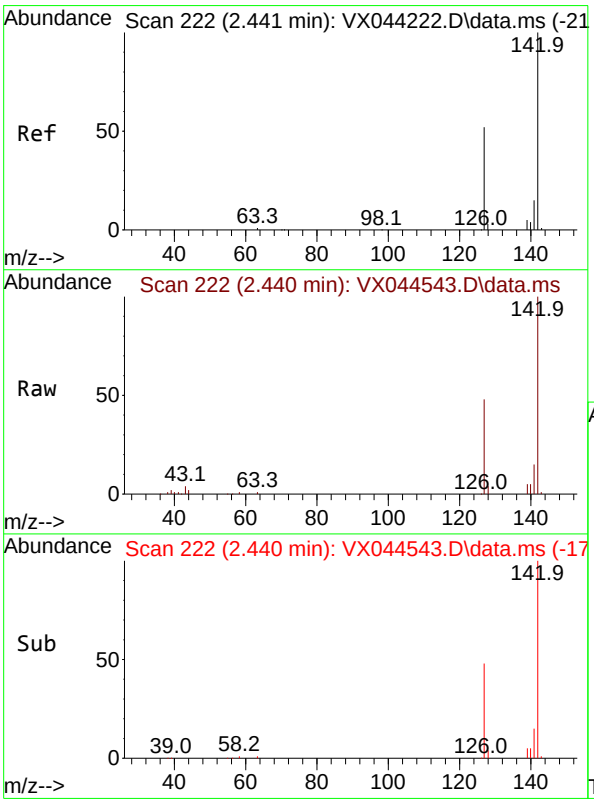

#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.196 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:101 Resp: 34139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.5 | 38.5 | 57.7 |
| 151 | 76.3 | 55.8 | 83.6 |

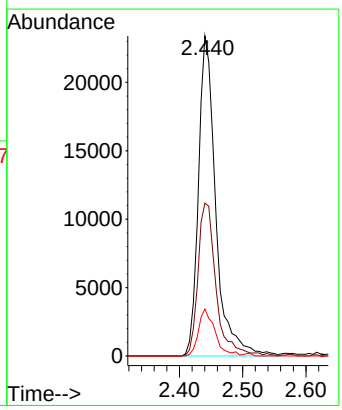


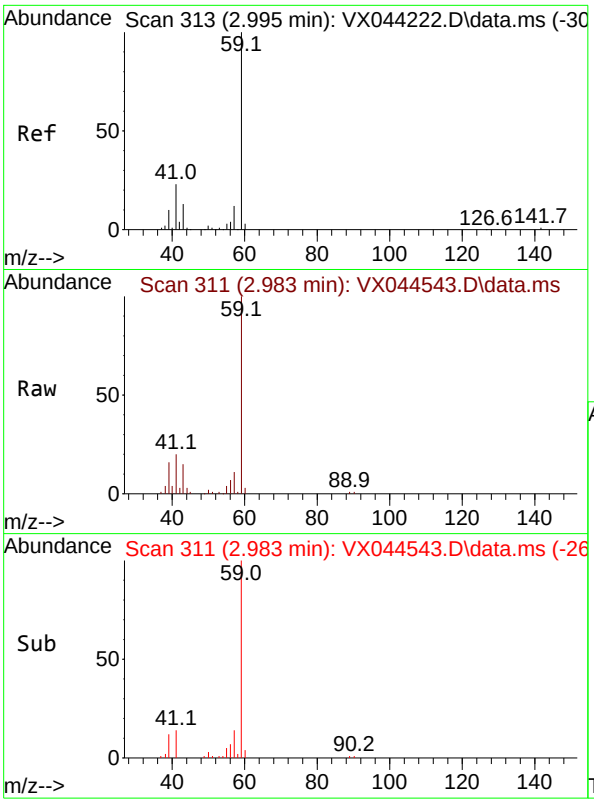




#10
Methyl Iodide
Concen: 18.052 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:142 Resp: 44638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.7 | 41.8 | 62.8 |
| 141 | 14.0 | 11.5 | 17.3 |



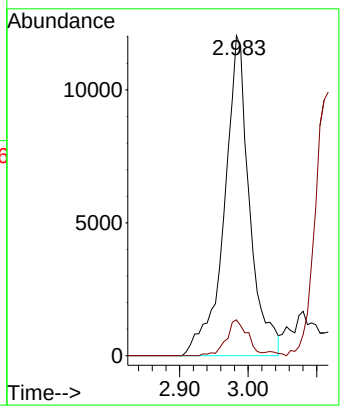


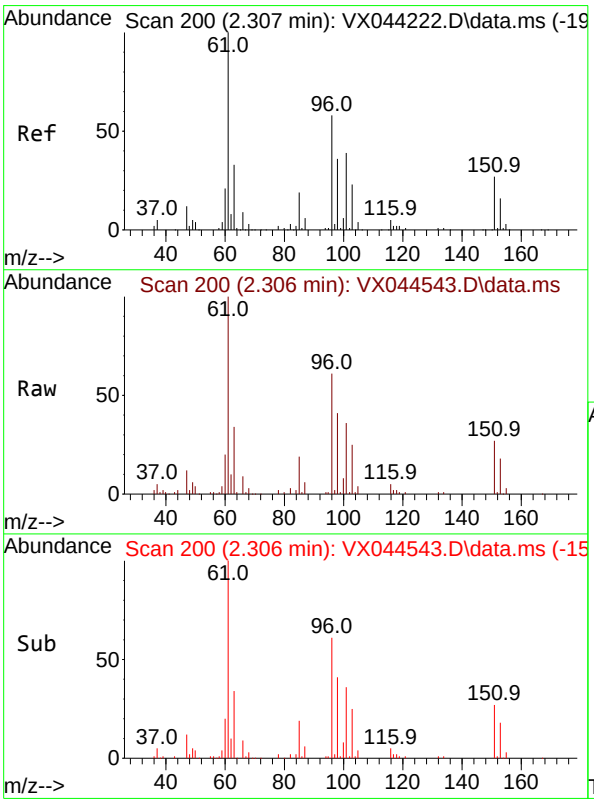

#11
Tert butyl alcohol
Concen: 81.134 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.013 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 59 Resp: 30824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.4 | 8.8 | 13.2 |

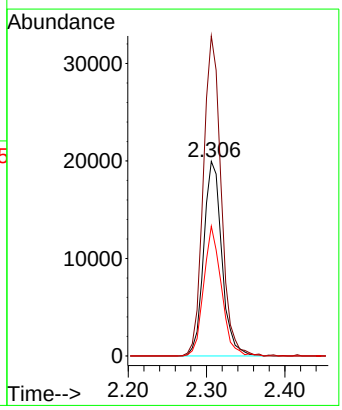


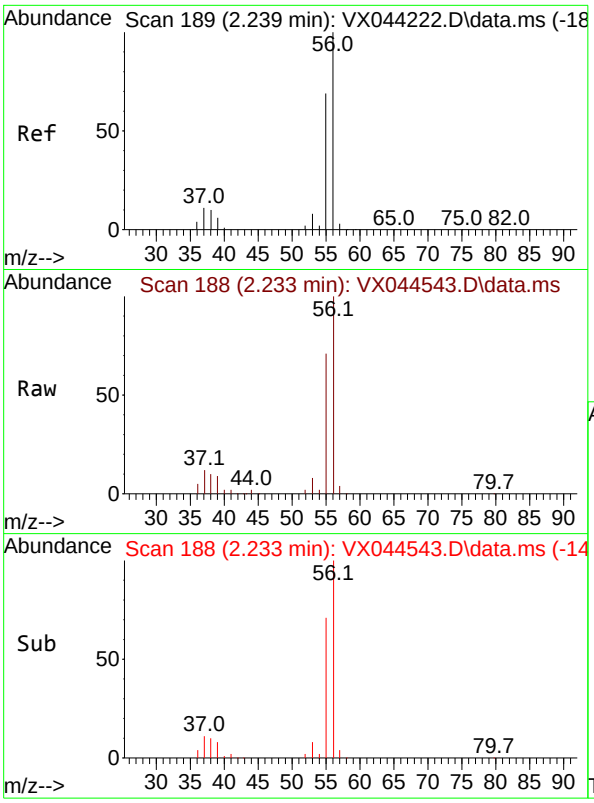




#12
1,1-Dichloroethene
Concen: 18.553 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 96 Resp: 31973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.5 | 138.0 | 207.0 |
| 98 | 66.7 | 50.0 | 75.0 |



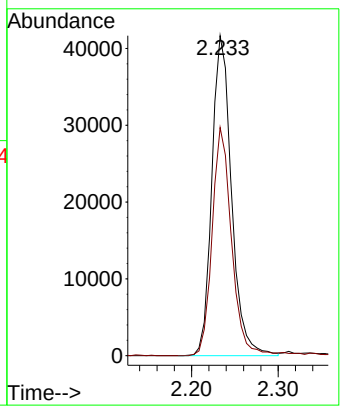


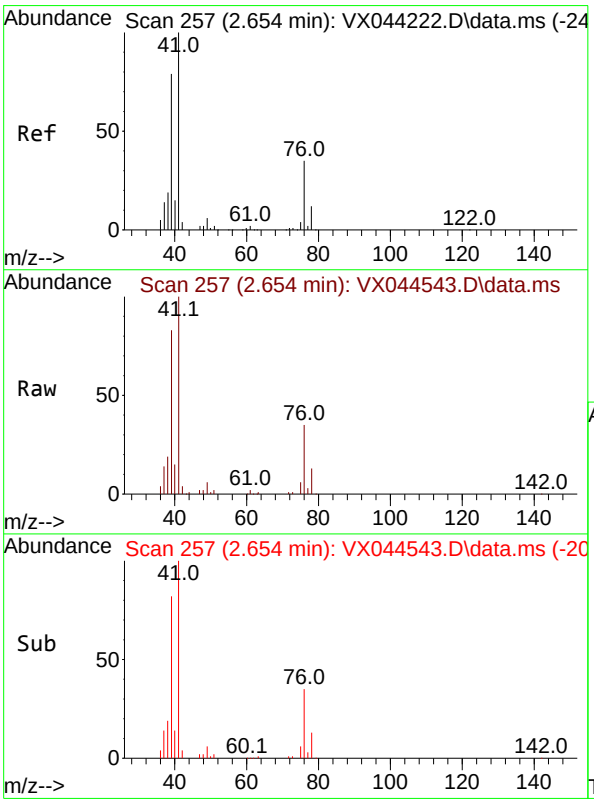

#13
Acrolein
Concen: 119.429 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 56 Resp: 65679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.1 | 56.6 | 84.8 |

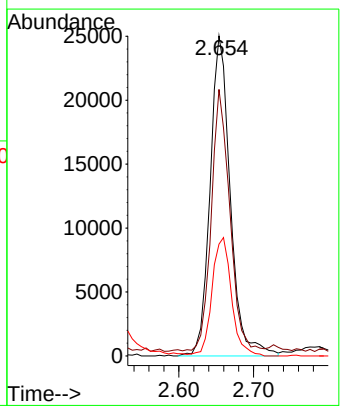


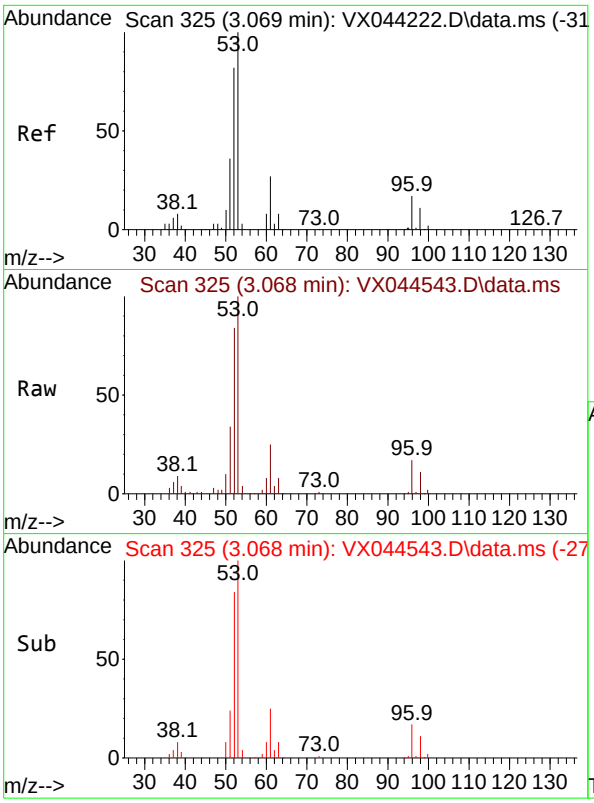




#14
Allyl chloride
Concen: 16.390 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 47046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.3 | 61.9 | 92.9 |
| 76 | 35.6 | 27.4 | 41.2 |



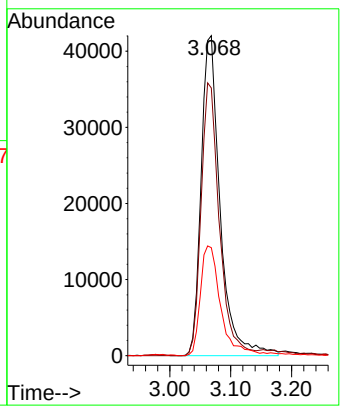


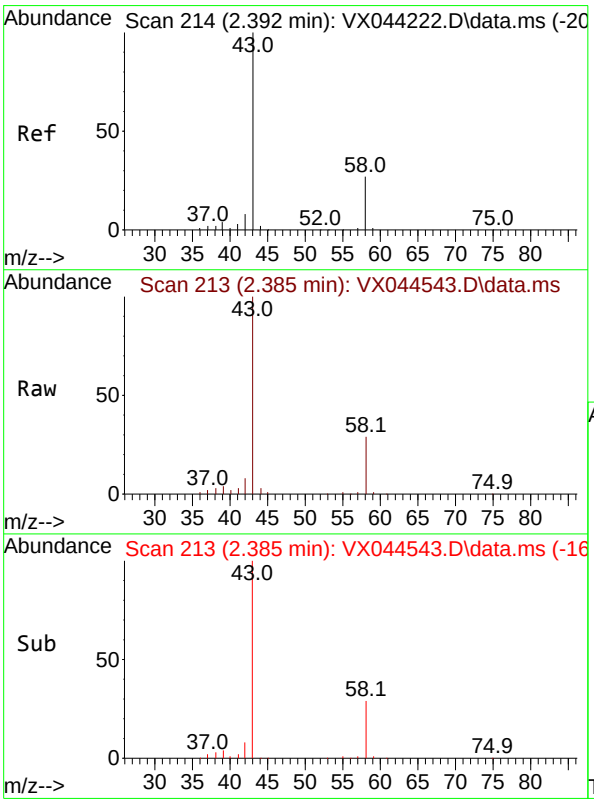

#15
Acrylonitrile
Concen: 86.695 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 53 Resp: 91236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 67.4 | 101.0 |
| 51 | 37.7 | 30.3 | 45.5 |

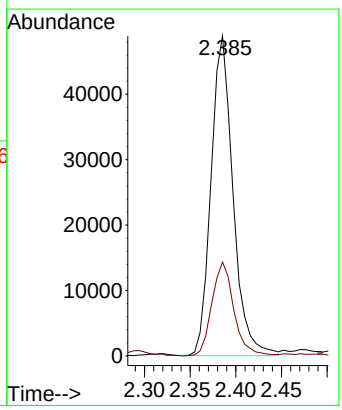


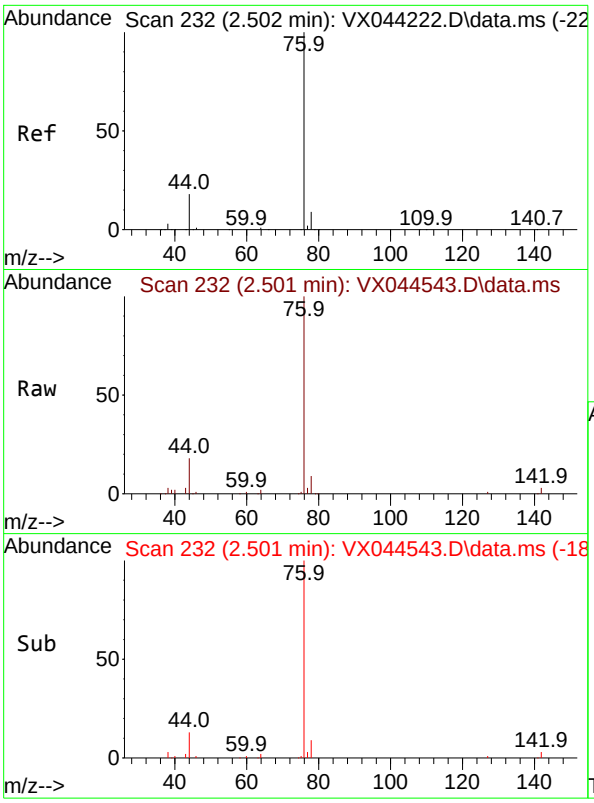




#16
Acetone
Concen: 74.346 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 81705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 21.6 | 32.4 |



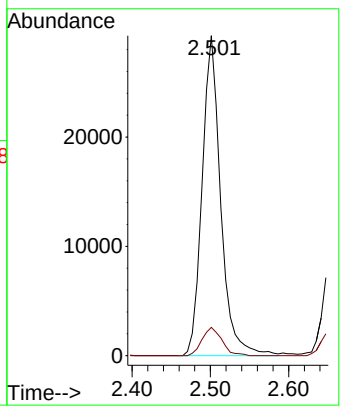


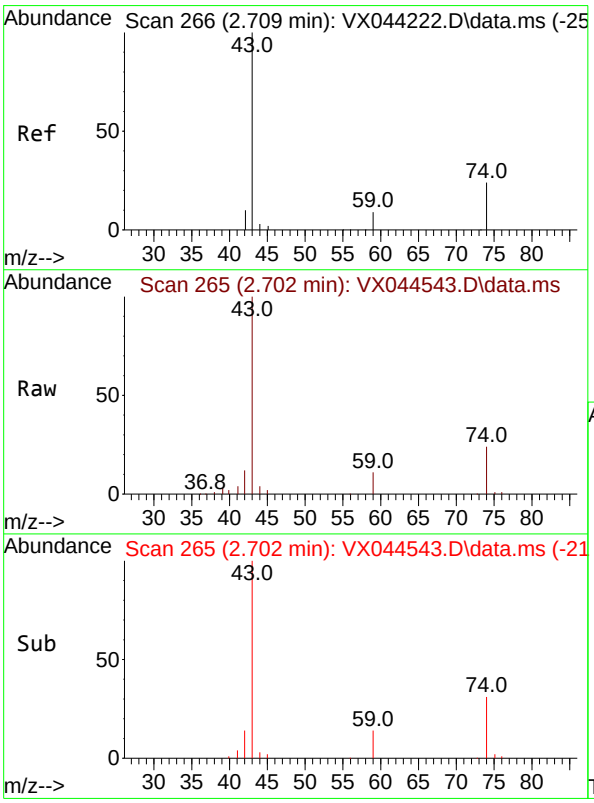

#17
Carbon Disulfide
Concen: 14.706 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 76 Resp: 48174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.4 | 11.0 |

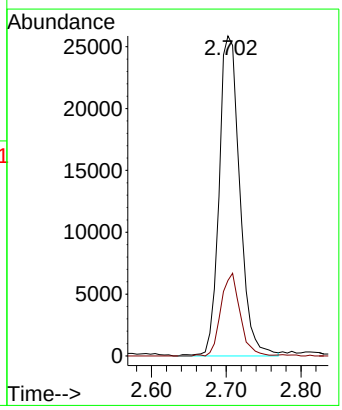


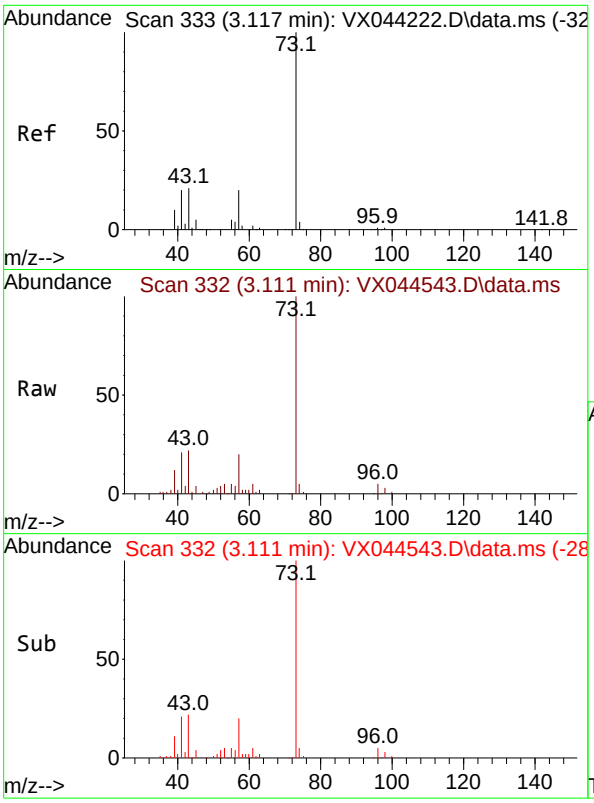




#18
Methyl Acetate
Concen: 17.576 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 49803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.1 | 17.7 | 26.5 |



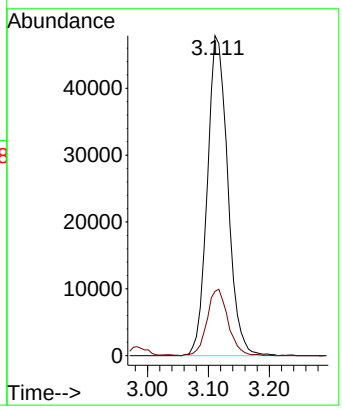


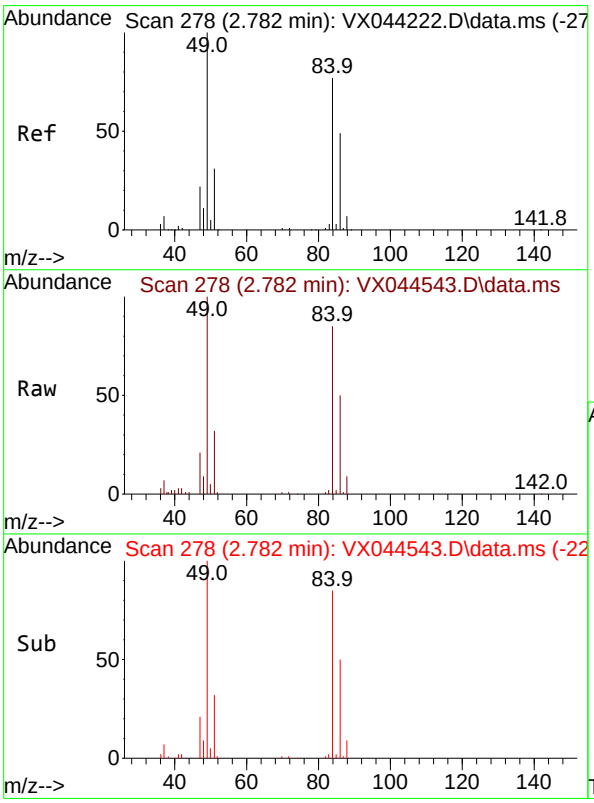

#19
Methyl tert-butyl Ether
Concen: 16.611 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 73 Resp: 111711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.1 | 16.2 | 24.4 |

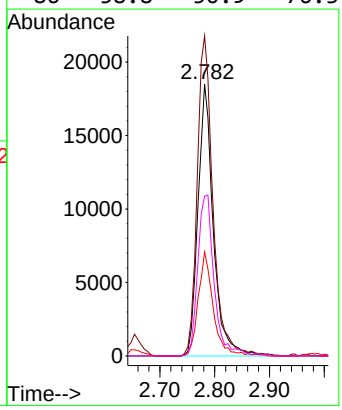


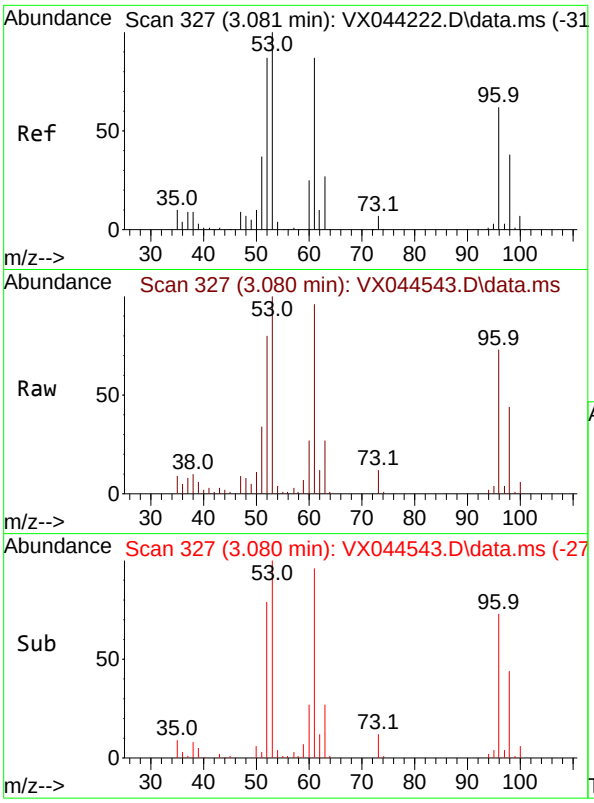




#20
Methylene Chloride
Concen: 17.421 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 84 Resp: 35960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.6 | 104.2 | 156.4 |
| 51 | 38.2 | 32.2 | 48.4 |
| 86 | 58.8 | 50.9 | 76.3 |



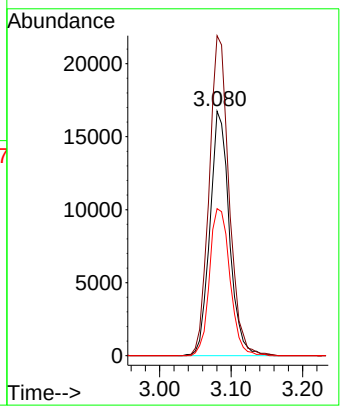


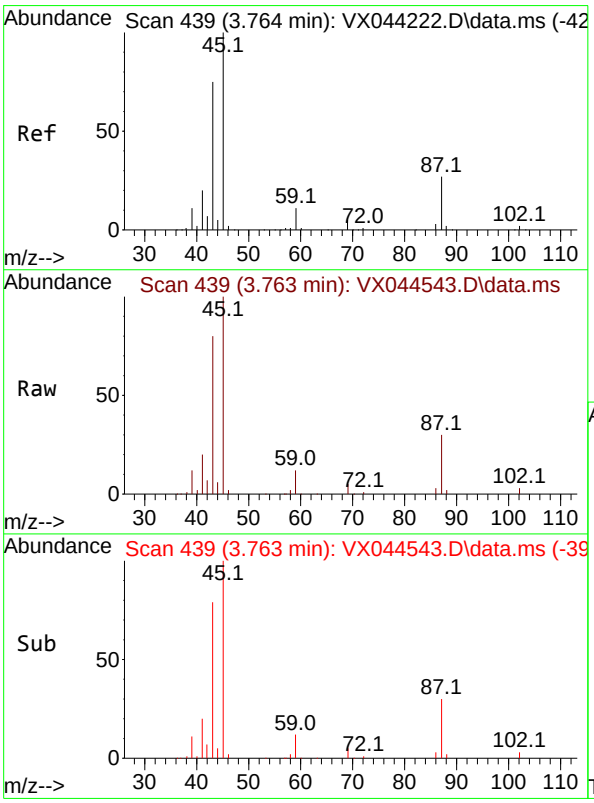

#21
trans-1,2-Dichloroethene
Concen: 17.229 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 96 Resp: 31555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.9 | 112.0 | 168.0 |
| 98 | 60.2 | 48.8 | 73.2 |

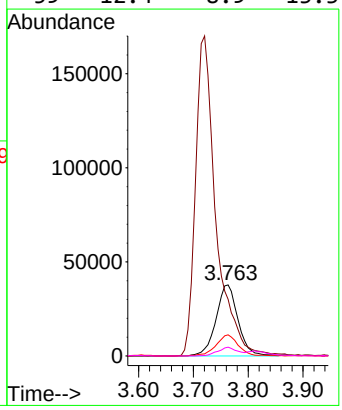


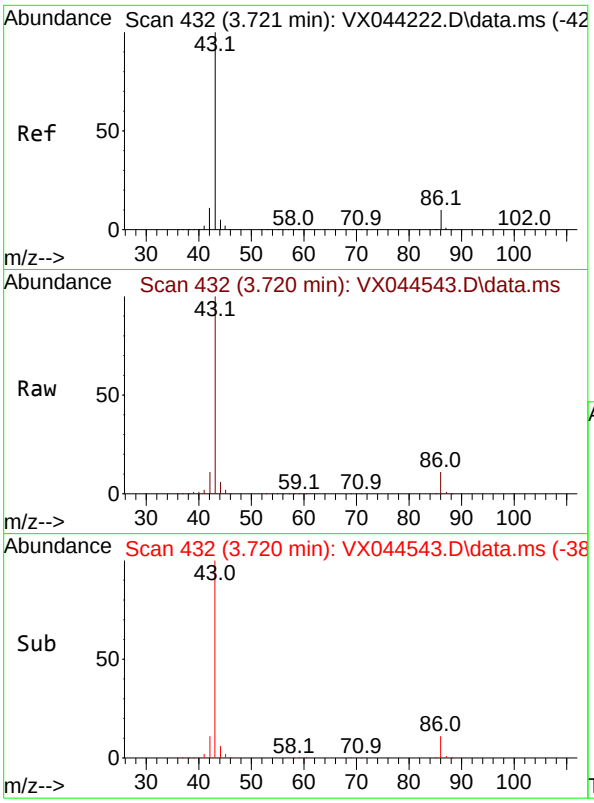




#22
Diisopropyl ether
Concen: 16.268 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 45 Resp: 105148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 79.4 | 60.2 | 90.2 |
| 87 | 29.8 | 21.2 | 31.8 |
| 59 | 12.4 | 8.9 | 13.3 |



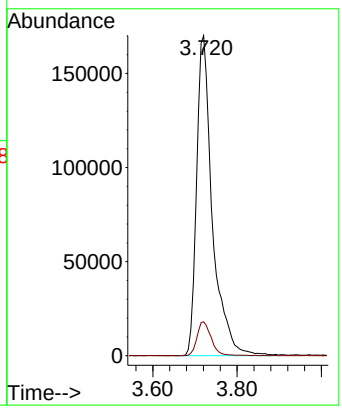


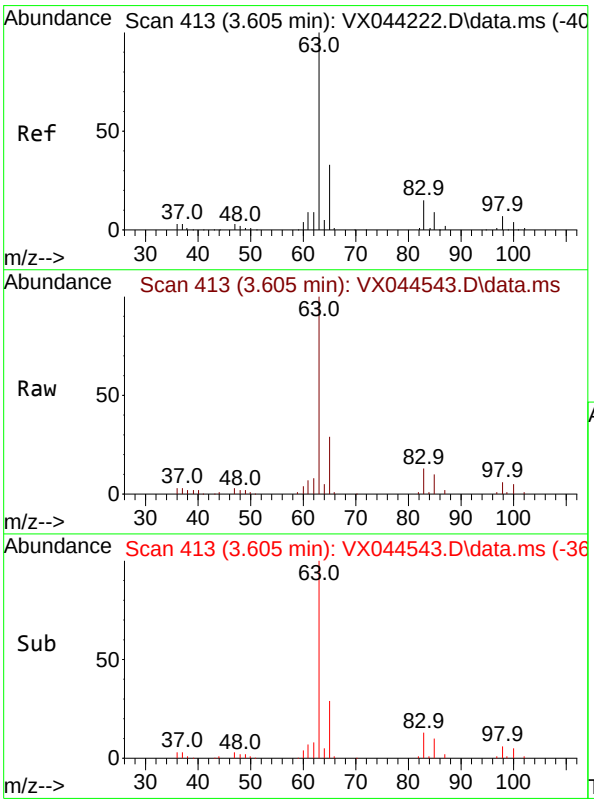

#23
Vinyl Acetate
Concen: 84.386 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 43 Resp: 443441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.6 | 8.2 | 12.2 |

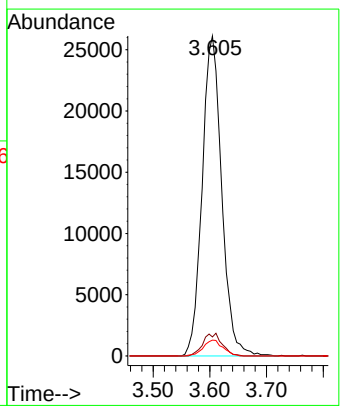


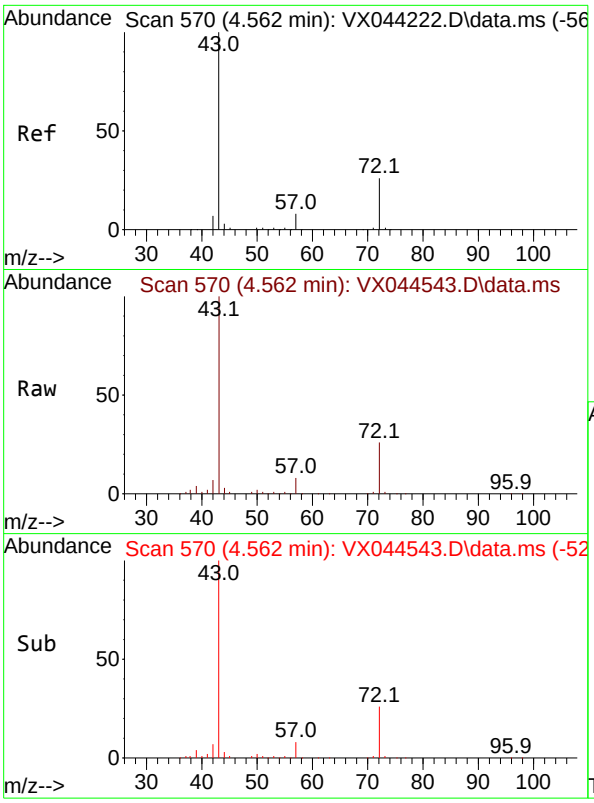




#24
1,1-Dichloroethane
Concen: 17.362 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 63 Resp: 62553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.0 | 3.6 | 10.8 |
| 100 | 4.9 | 2.1 | 6.3 |



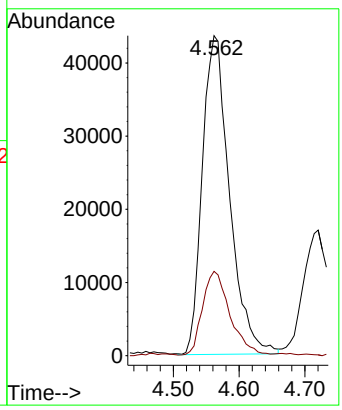


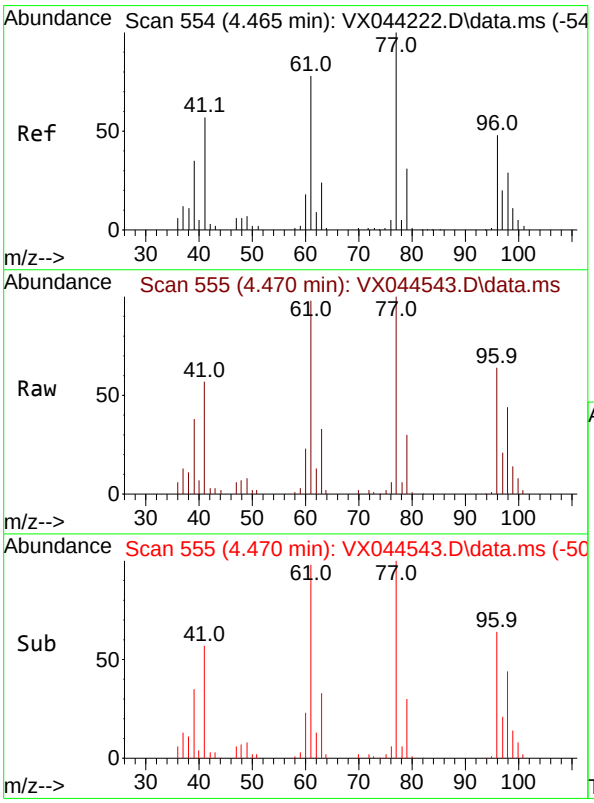

#25
2-Butanone
Concen: 80.280 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 43 Resp: 125426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 20.2 | 30.4 |

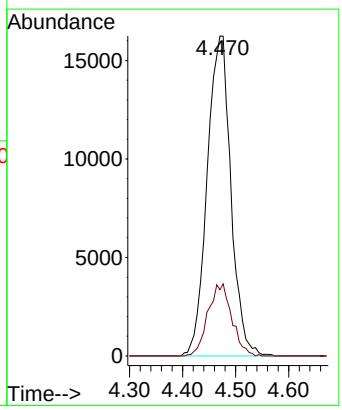


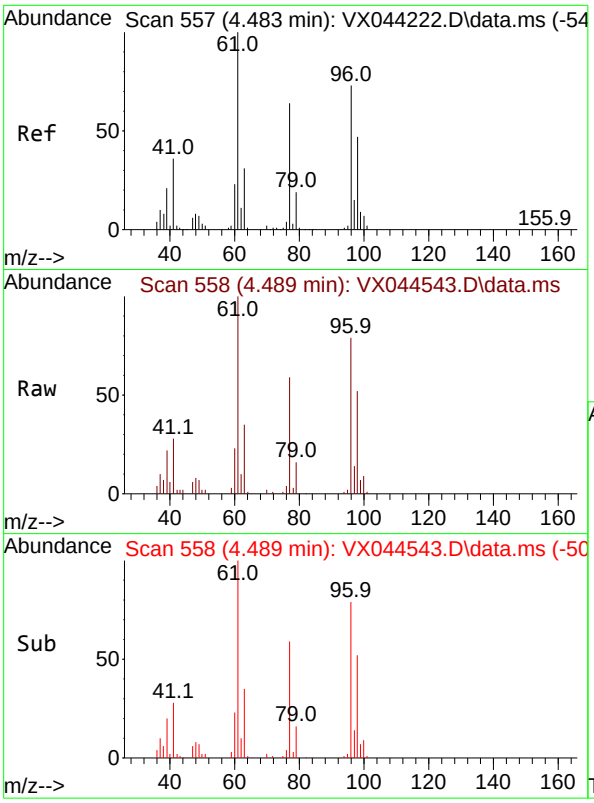




#26
2,2-Dichloropropane
Concen: 17.223 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 77 Resp: 50413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.7 | 10.7 | 32.1 |



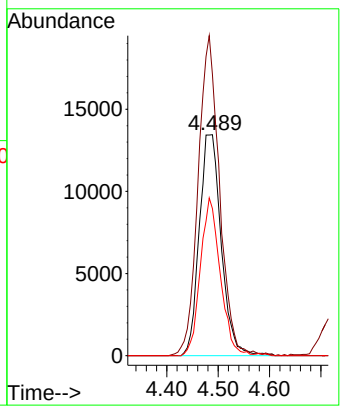


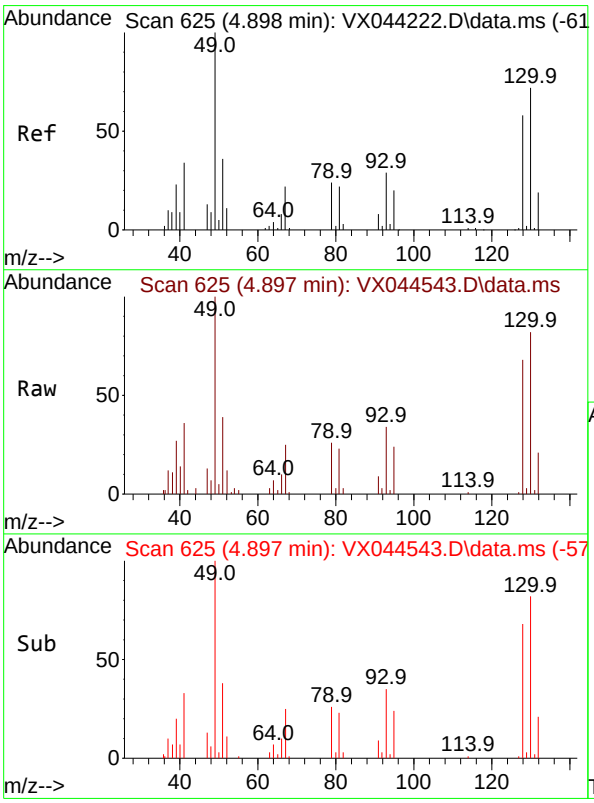

#27
cis-1,2-Dichloroethene
Concen: 17.170 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 96 Resp: 39939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.8 | 0.0 | 299.0 |
| 98 | 64.5 | 0.0 | 129.0 |

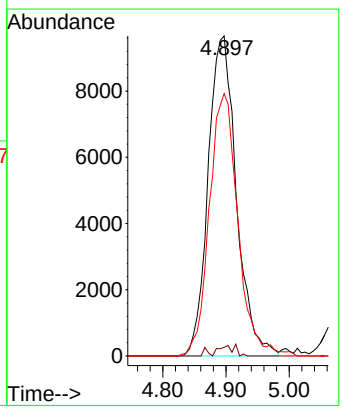


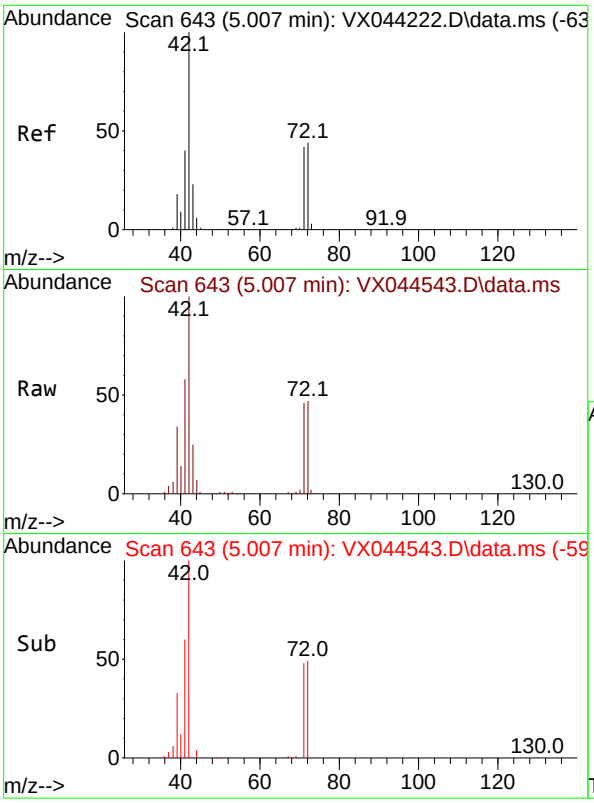




#28
Bromochloromethane
Concen: 16.932 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 49 Resp: 29914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 4.2 |
| 130 | 83.0 | 62.1 | 93.1 |



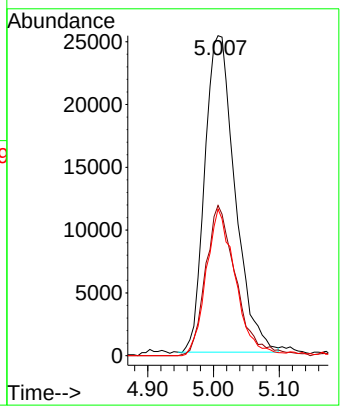


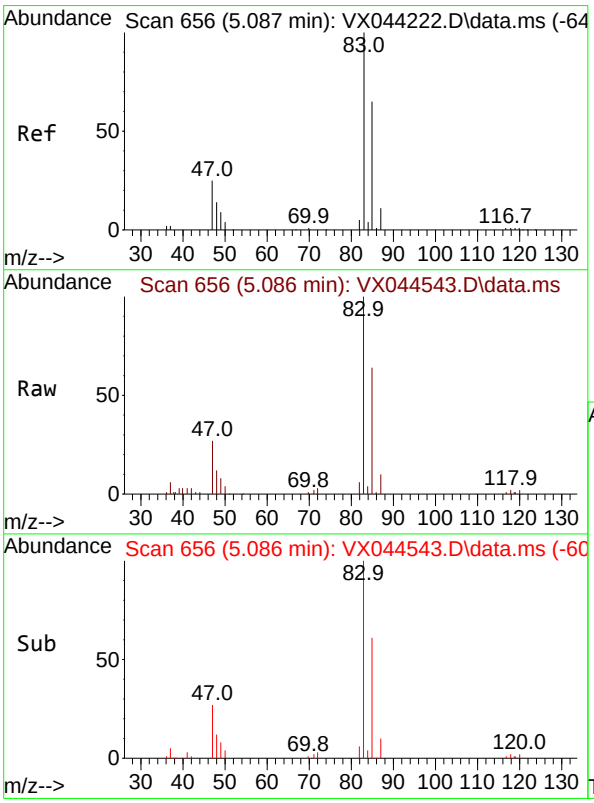

#29
Tetrahydrofuran
Concen: 80.443 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 42 Resp: 80671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 47.7 | 37.0 | 55.6 |
| 71 | 44.5 | 33.6 | 50.4 |

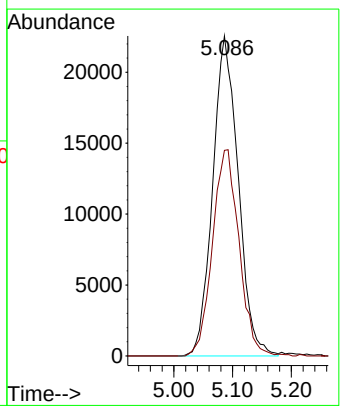


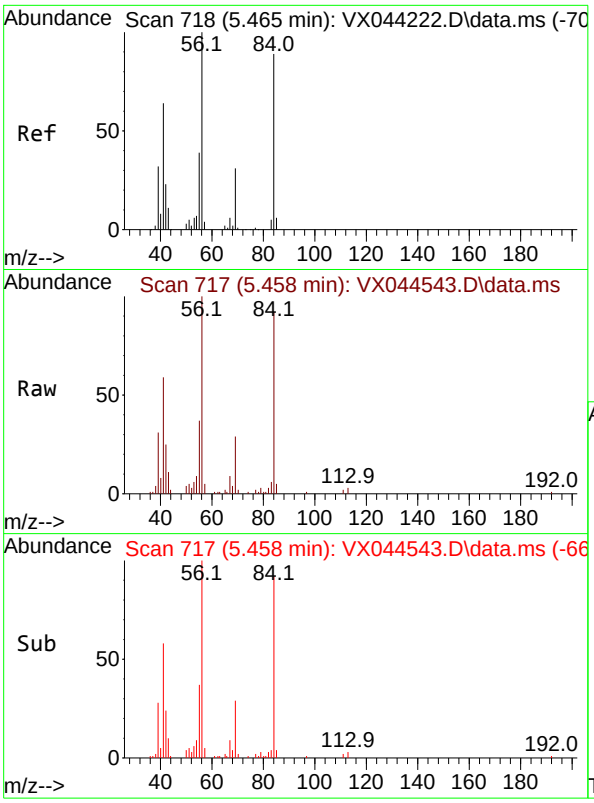




#30
Chloroform
Concen: 16.810 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 83 Resp: 68047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 51.6 | 77.4 |



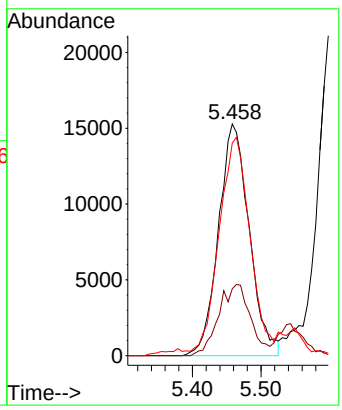


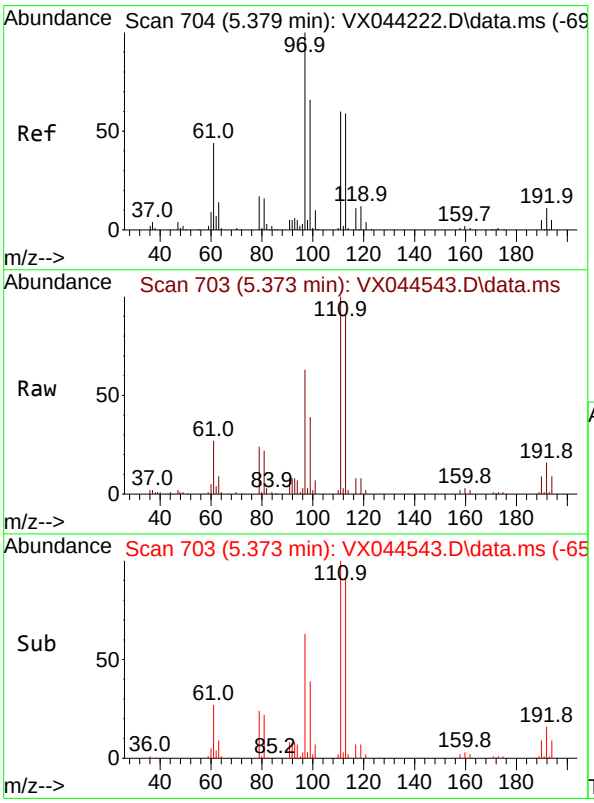

#31
Cyclohexane
Concen: 16.355 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 56 Resp: 47583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.8 | 24.7 | 37.1 |
| 84 | 88.8 | 71.0 | 106.6 |

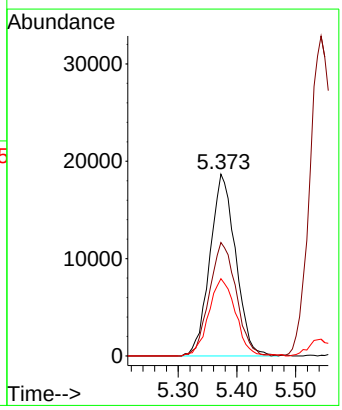


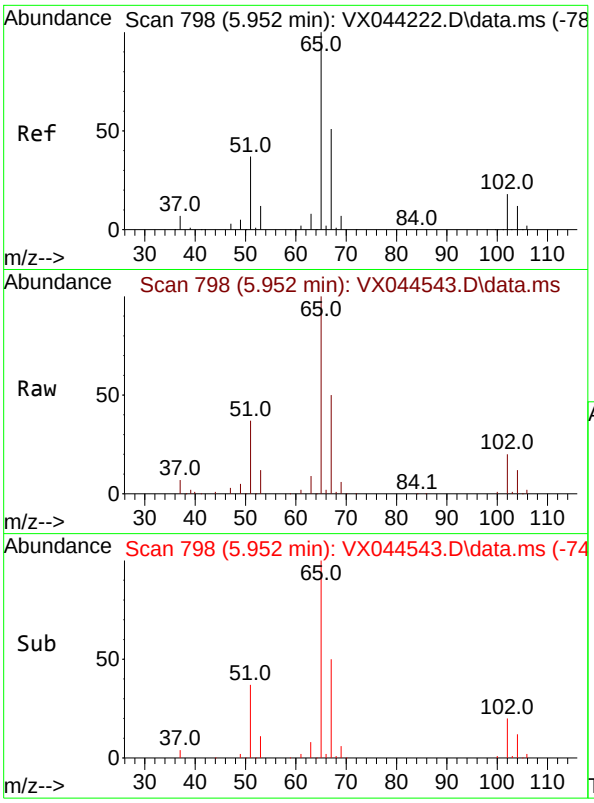




#32
1,1,1-Trichloroethane
Concen: 16.931 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 97 Resp: 56892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.9 | 50.8 | 76.2 |
| 61 | 44.0 | 35.2 | 52.8 |



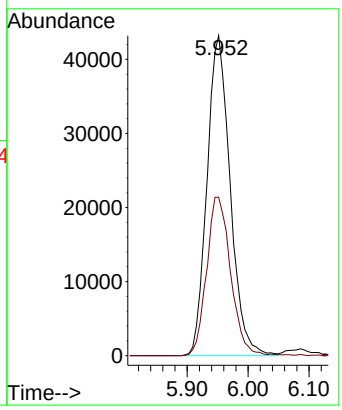


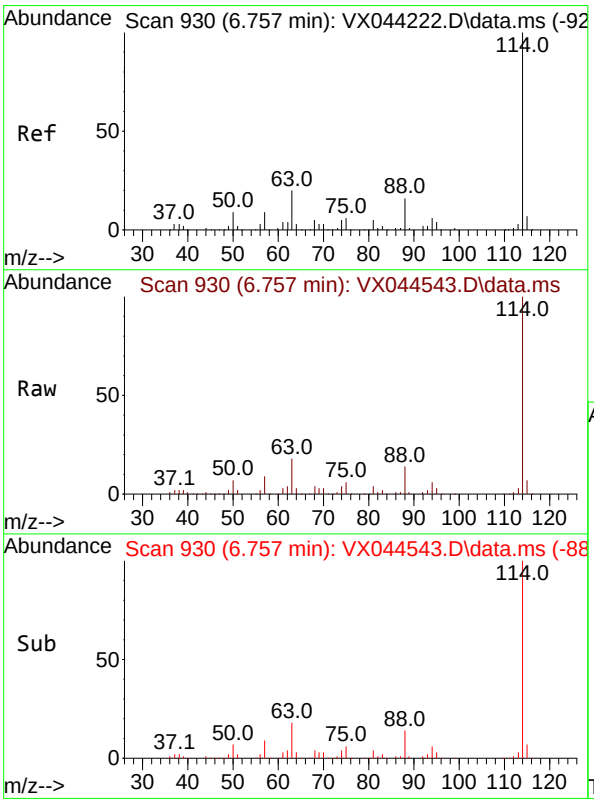

#33
1,2-Dichloroethane-d4
Concen: 42.406 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 65 Resp: 114312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 101.6 |

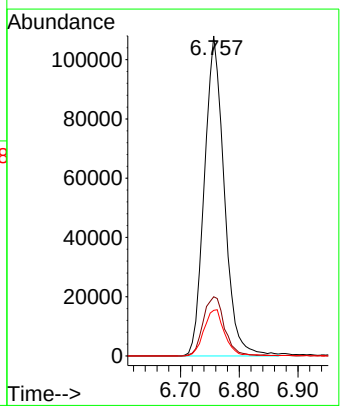


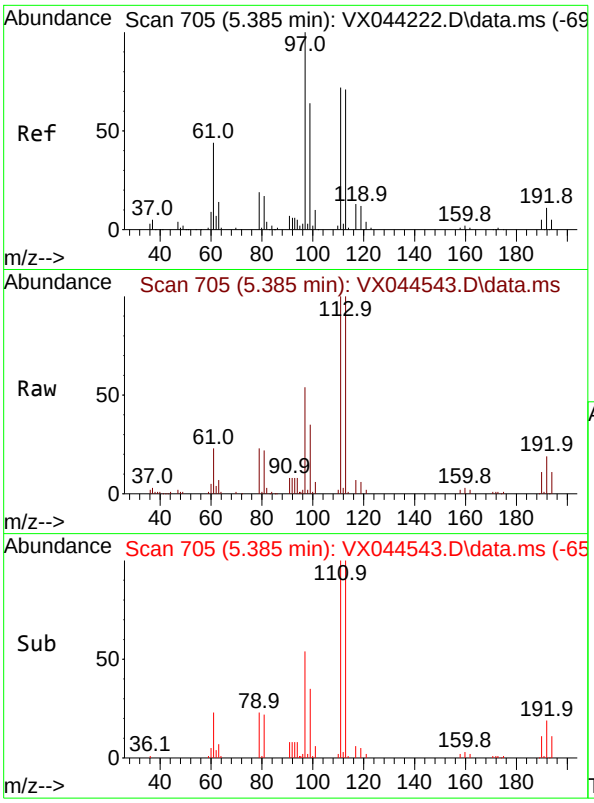




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:114 Resp: 254154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.5 | 0.0 | 40.6 |
| 88 | 14.2 | 0.0 | 31.8 |



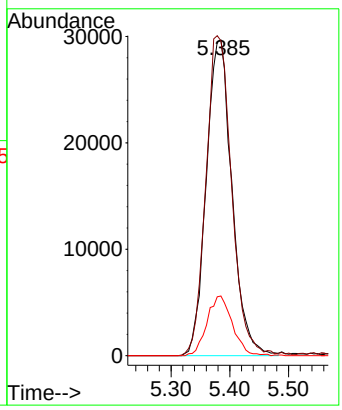


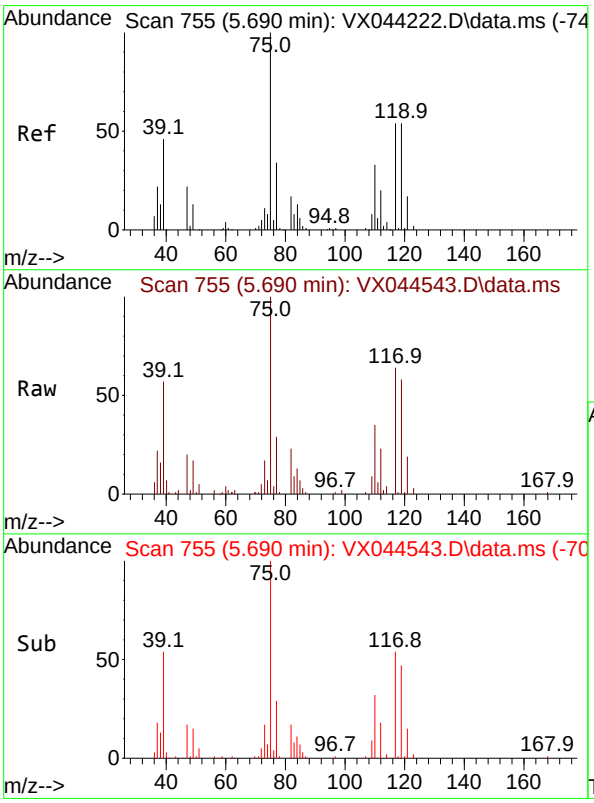

#35
Dibromofluoromethane
Concen: 51.151 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:113 Resp: 90038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 80.4 | 120.6 |
| 192 | 18.7 | 13.3 | 19.9 |

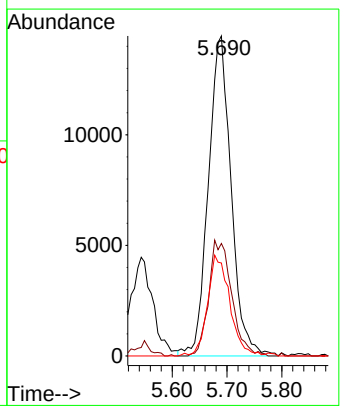


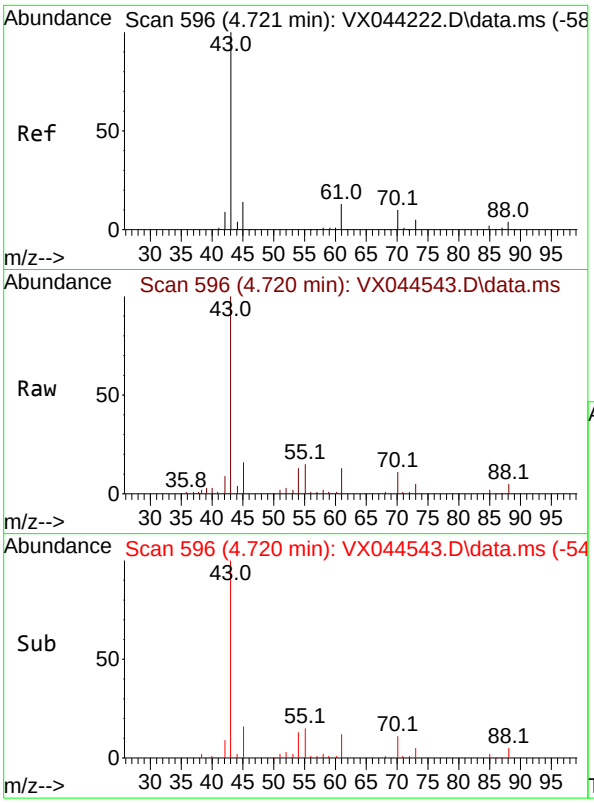




#36
1,1-Dichloropropene
Concen: 18.376 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 41811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.4 | 17.3 | 51.7 |
| 77 | 30.6 | 25.4 | 38.0 |



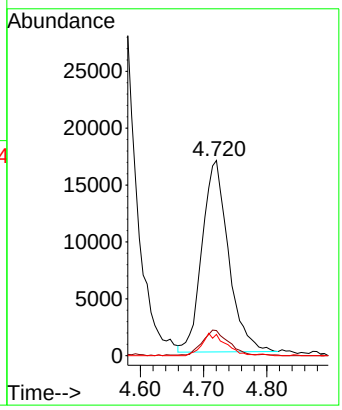


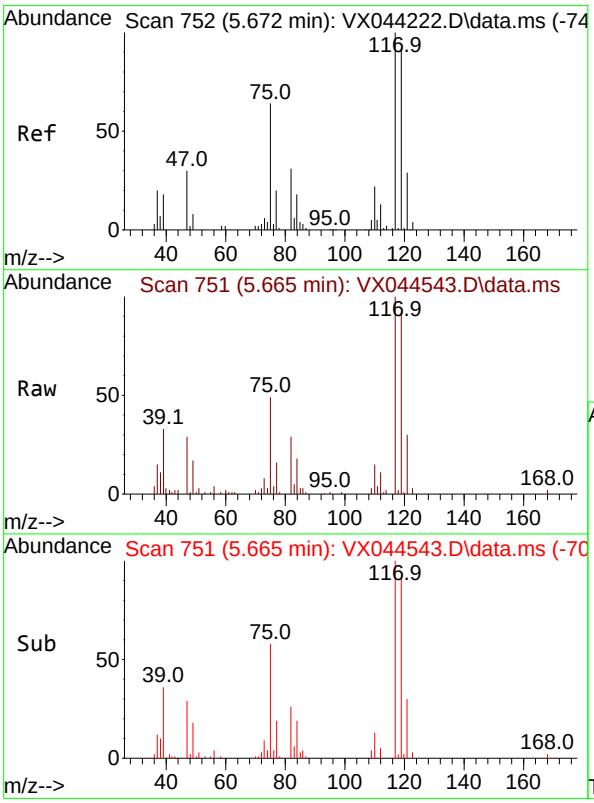

#37
Ethyl Acetate
Concen: 17.387 ug/l
RT: 4.720 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 43 Resp: 48902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 9.8 | 14.8 |
| 70 | 10.4 | 7.7 | 11.5 |

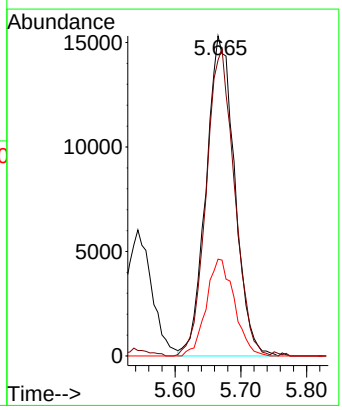


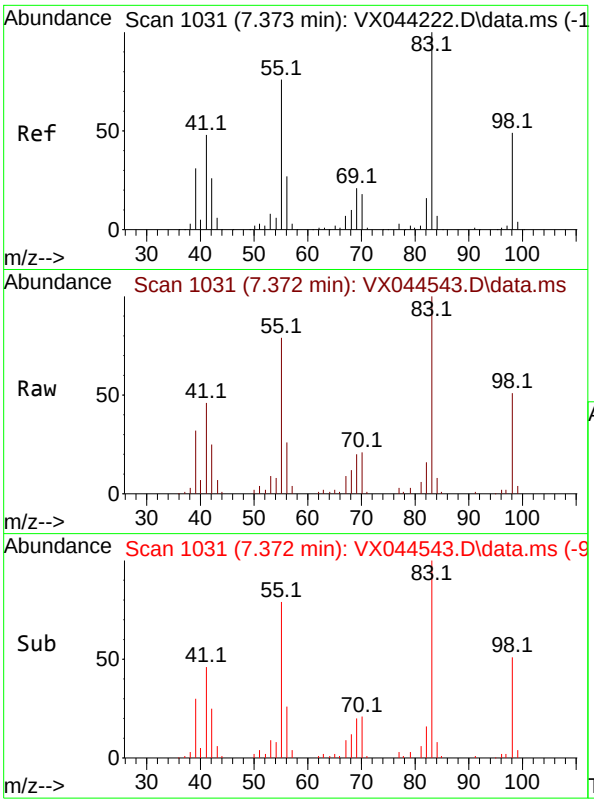




#38
Carbon Tetrachloride
Concen: 18.916 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:117 Resp: 46337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.0 | 74.2 | 111.4 |
| 121 | 30.2 | 23.0 | 34.6 |



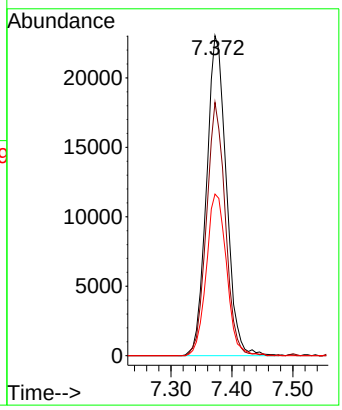


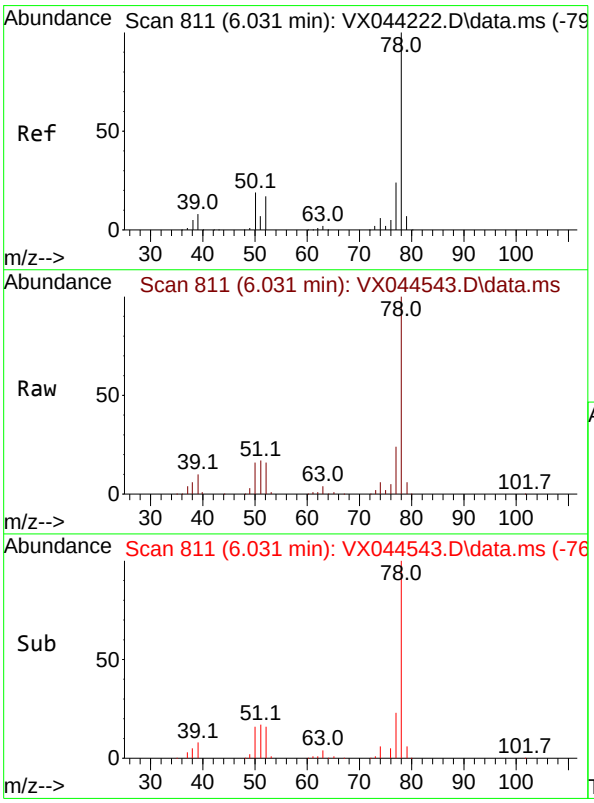

#39
Methylcyclohexane
Concen: 19.124 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 83 Resp: 52019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.2 | 60.7 | 91.1 |
| 98 | 50.5 | 38.9 | 58.3 |

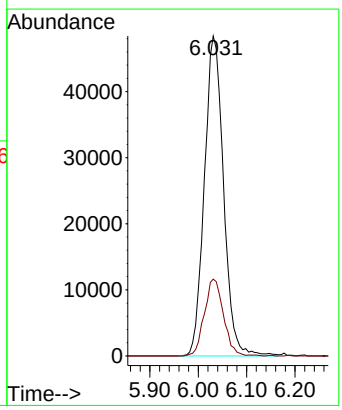


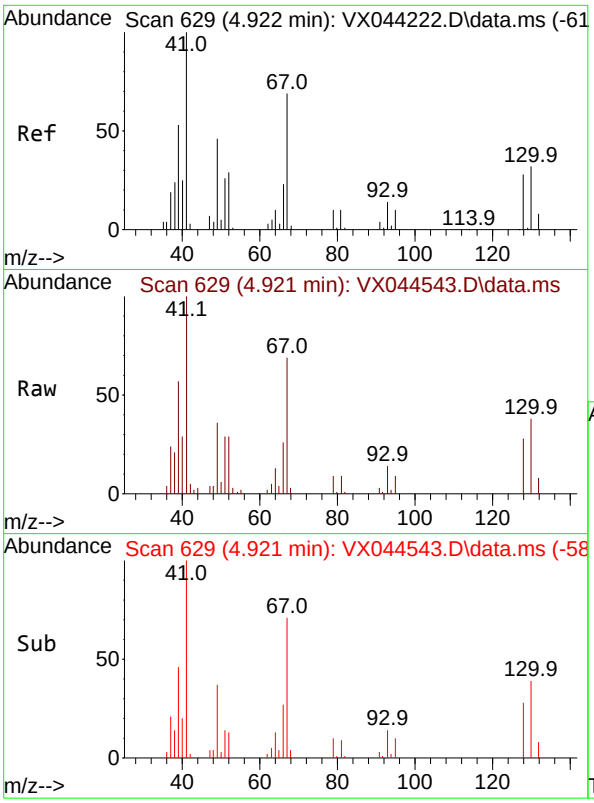




#40
Benzene
Concen: 19.310 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 78 Resp: 133403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.3 | 28.9 |



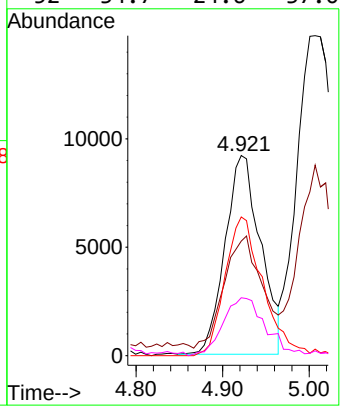


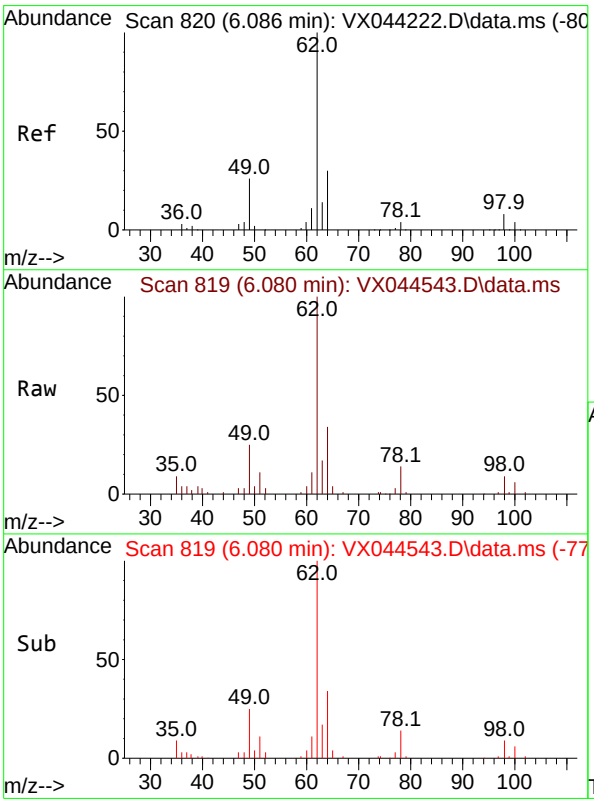

#41
Methacrylonitrile
Concen: 17.547 ug/l
RT: 4.921 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 41 Resp: 26206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.9 | 44.2 | 66.4 |
| 67 | 73.7 | 57.2 | 85.8 |
| 52 | 34.7 | 24.6 | 37.0 |

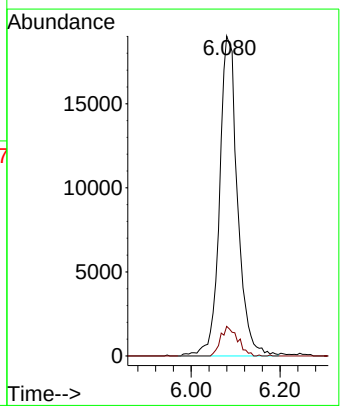


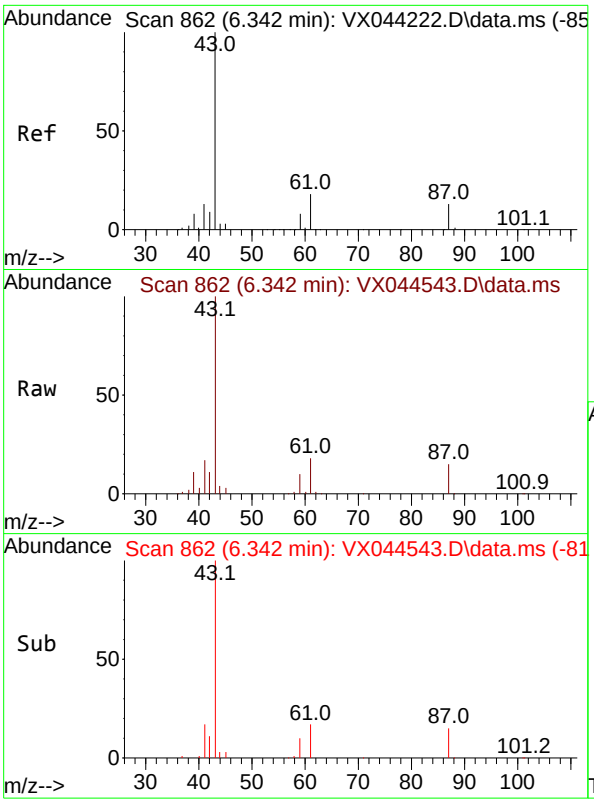




#42
1,2-Dichloroethane
Concen: 18.732 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 62 Resp: 53308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.8 | 0.0 | 15.8 |



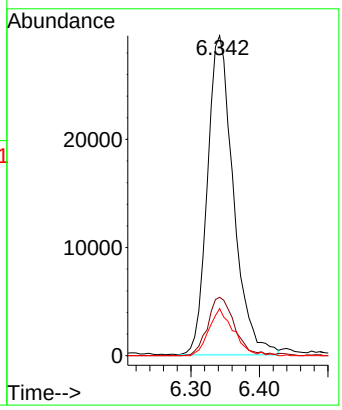


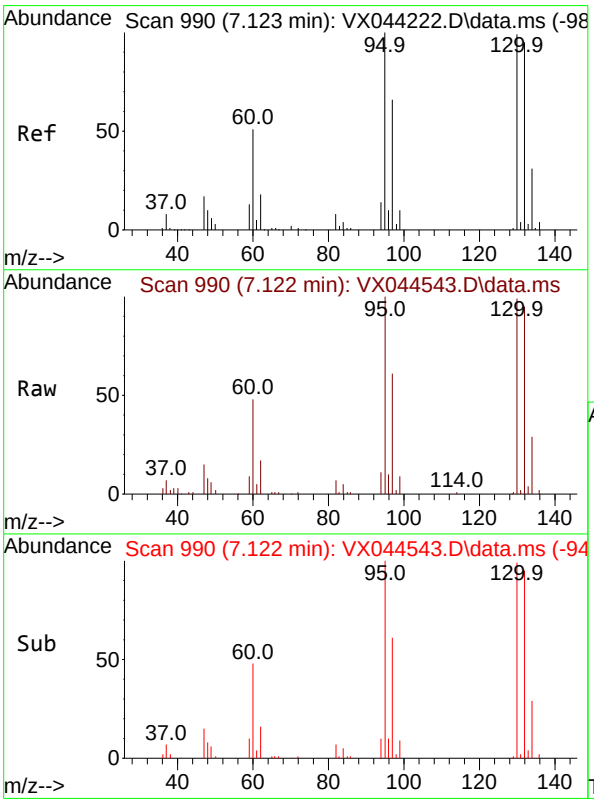

#43
Isopropyl Acetate
Concen: 17.679 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 43 Resp: 77717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 14.2 | 21.2 |
| 87 | 14.1 | 10.2 | 15.2 |

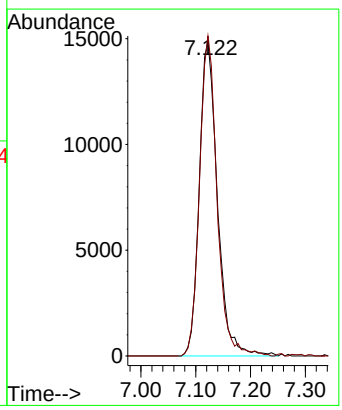


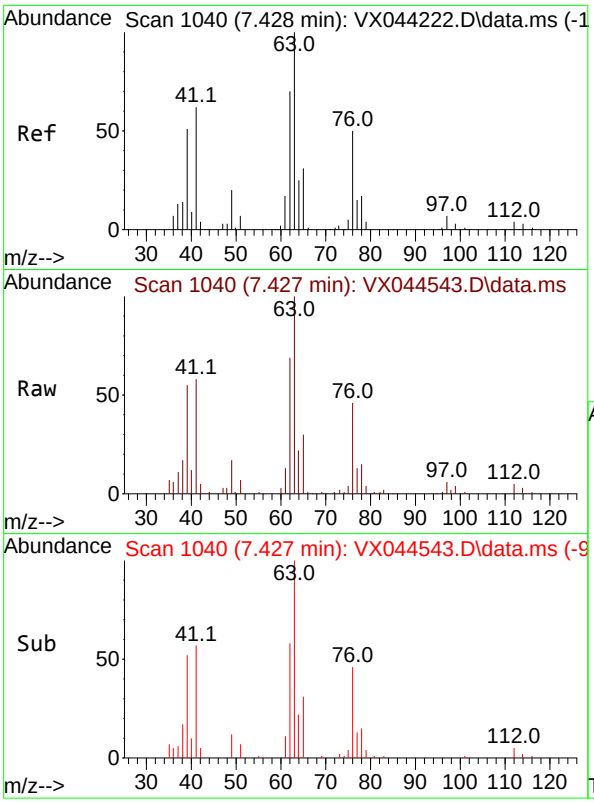




#44
Trichloroethene
Concen: 19.862 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:130 Resp: 34218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.4 | 0.0 | 201.4 |



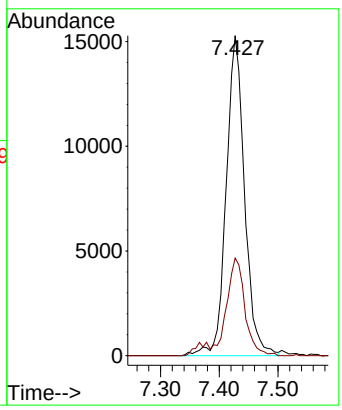


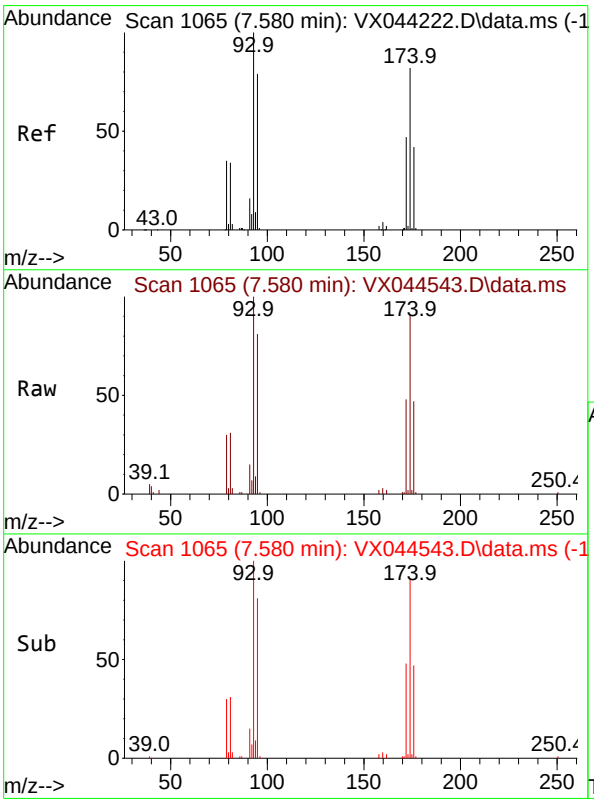

#45
1,2-Dichloropropane
Concen: 18.843 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 63 Resp: 33258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 24.6 | 37.0 |

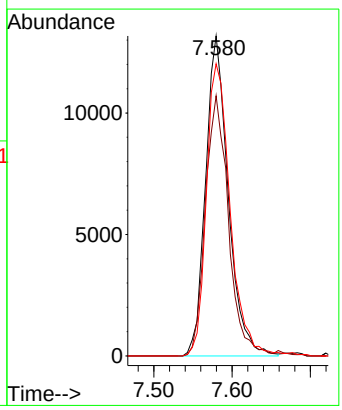


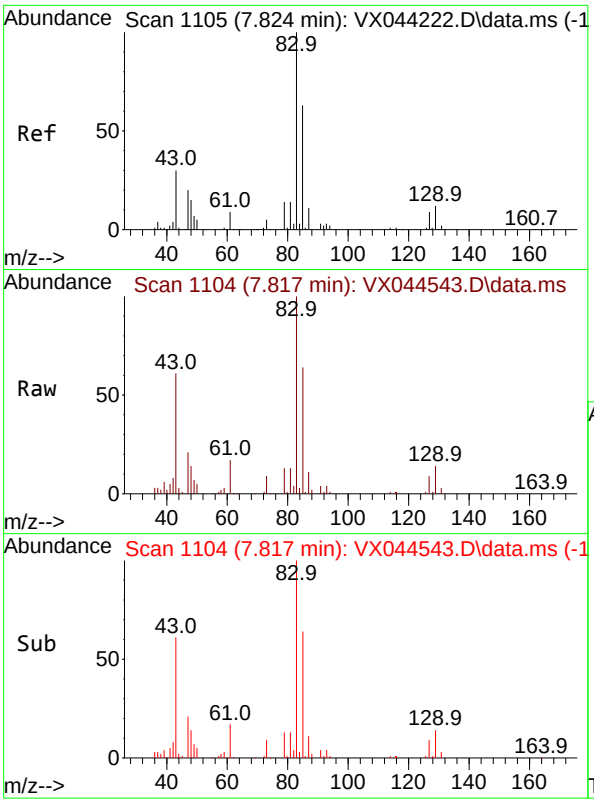




#46
Dibromomethane
Concen: 19.331 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 93 Resp: 26469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.9 | 65.4 | 98.2 |
| 174 | 96.4 | 67.9 | 101.9 |



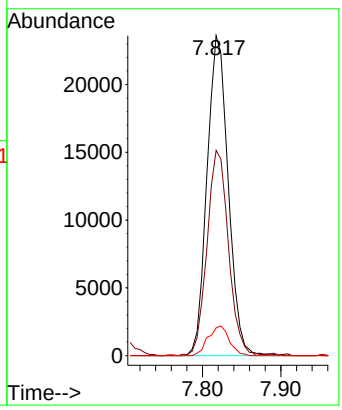


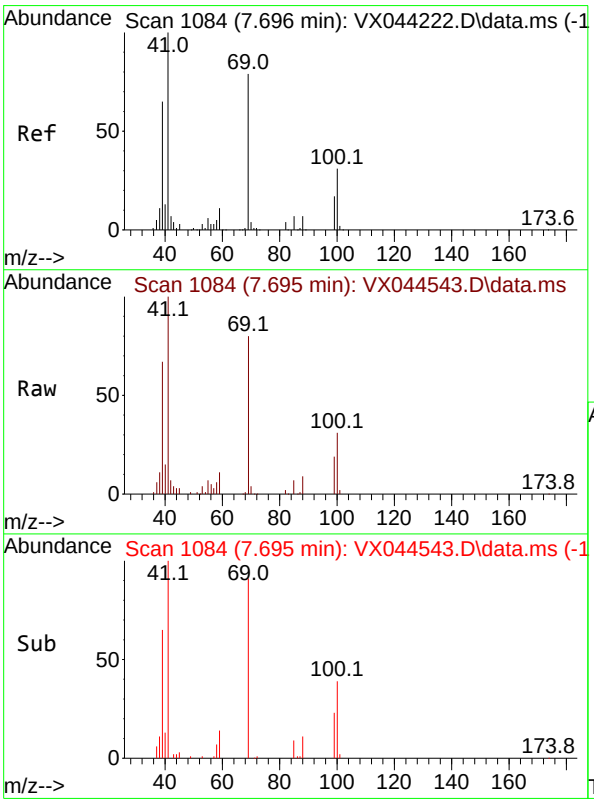

#47
Bromodichloromethane
Concen: 18.736 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 83 Resp: 44308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 50.6 | 75.8 |
| 127 | 8.7 | 7.3 | 10.9 |

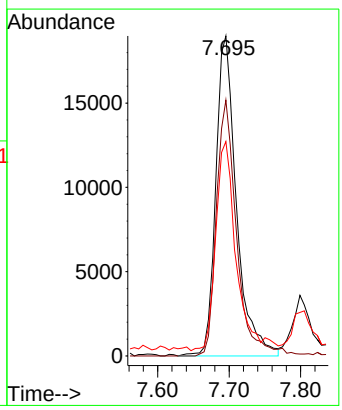


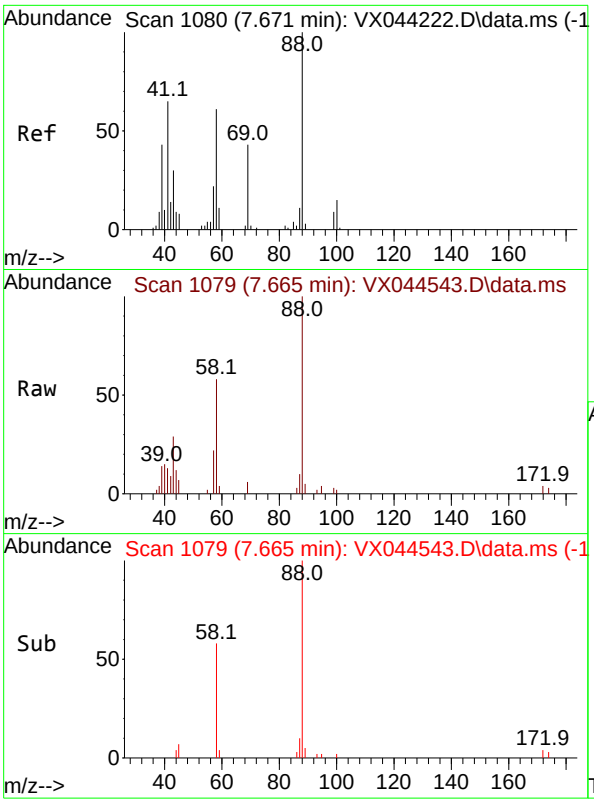




#48
Methyl methacrylate
Concen: 17.845 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 38081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.5 | 62.4 | 93.6 |
| 39 | 64.7 | 53.3 | 79.9 |



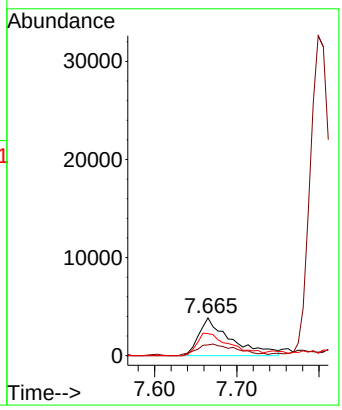


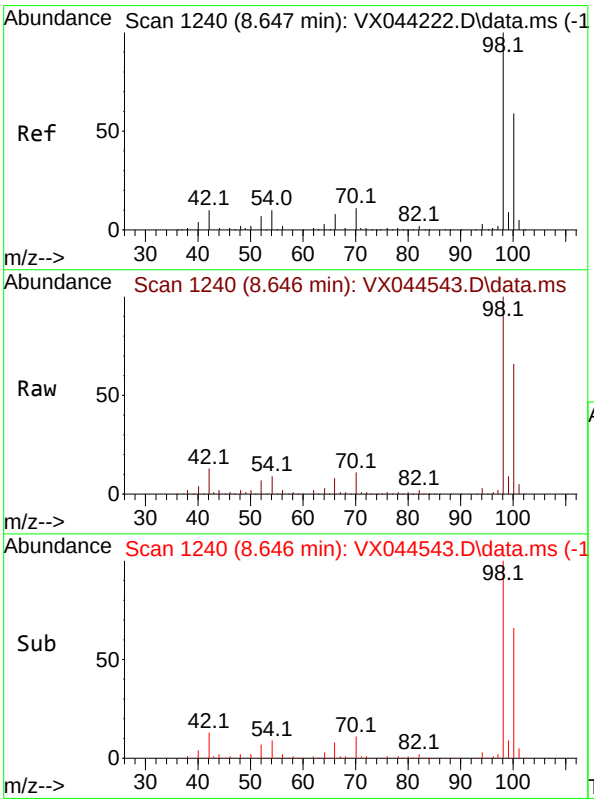

#49
1,4-Dioxane
Concen: 295.105 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 88 Resp: 10441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.3 | 27.1 | 40.7 |
| 58 | 61.2 | 41.0 | 61.4 |

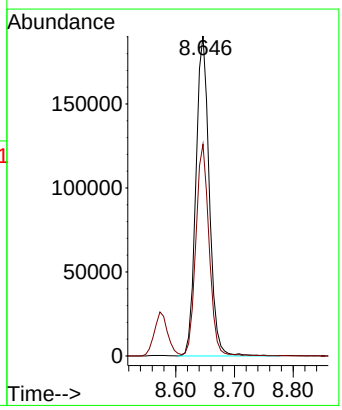


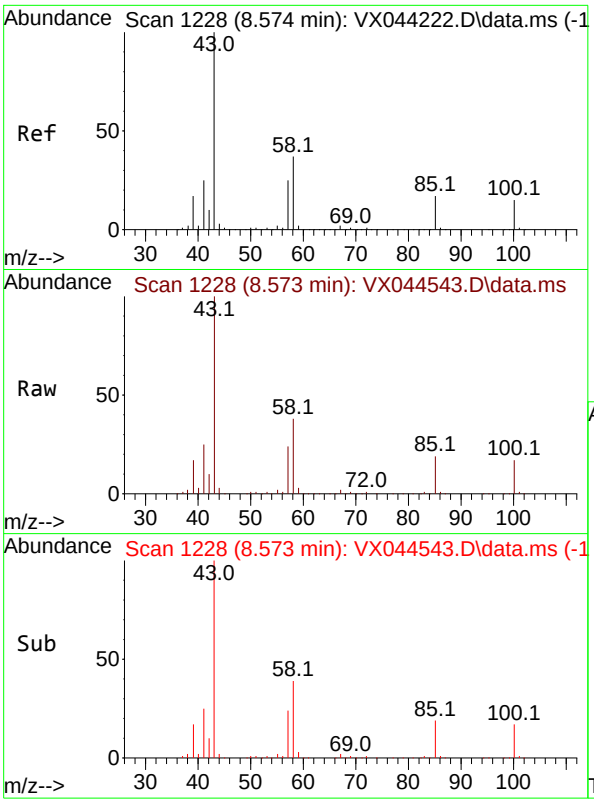




#50
Toluene-d8
Concen: 50.713 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 98 Resp: 301165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 51.5 | 77.3 |



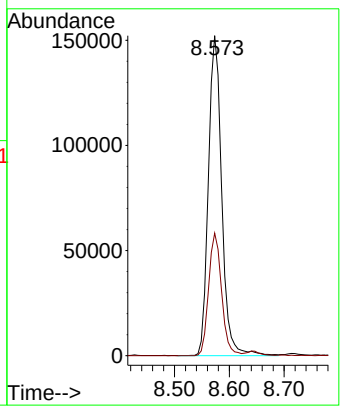


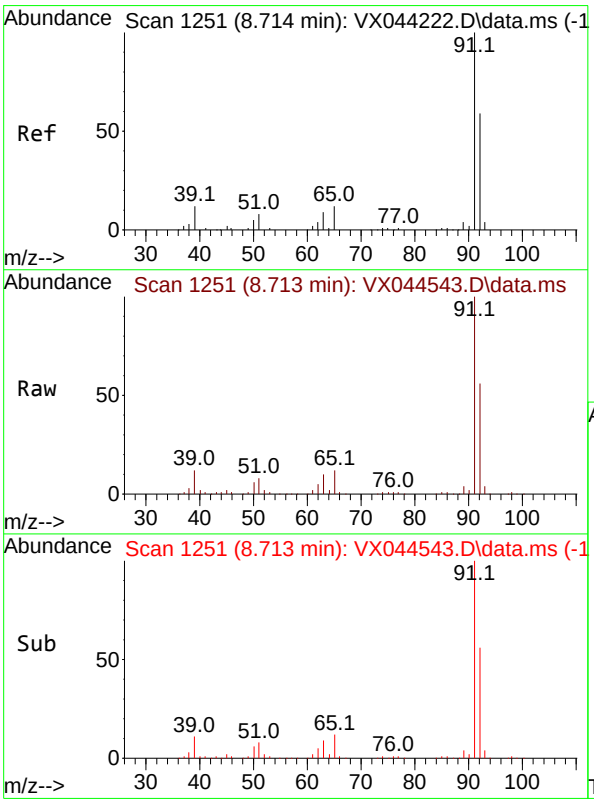

#51
4-Methyl-2-Pentanone
Concen: 90.739 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 43 Resp: 256481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.1 | 29.4 | 44.0 |

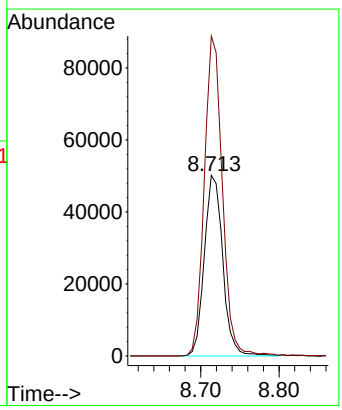


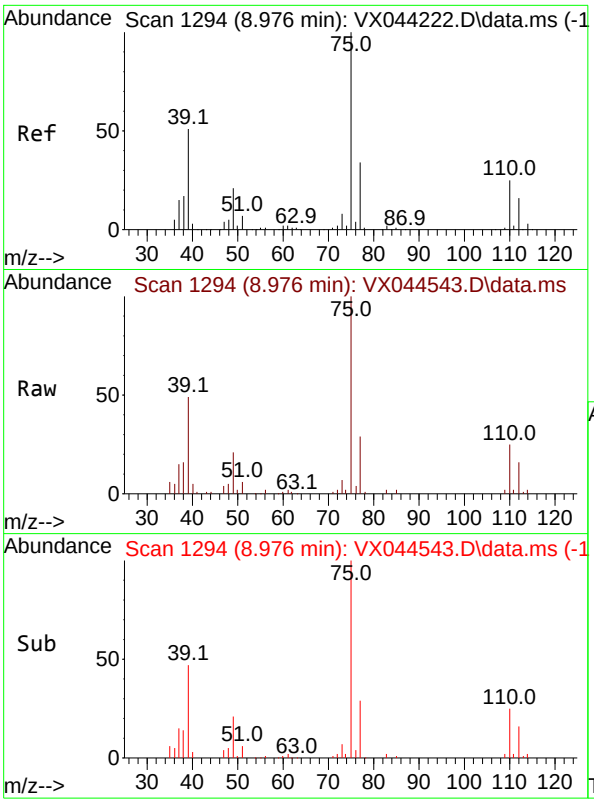




#52
Toluene
Concen: 18.868 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 92 Resp: 81853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.8 | 137.0 | 205.6 |



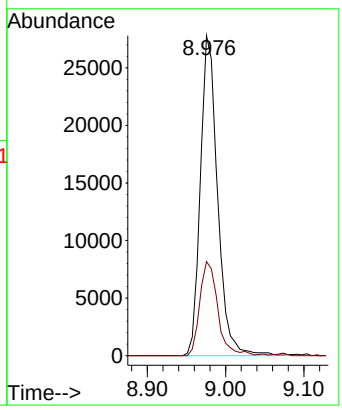


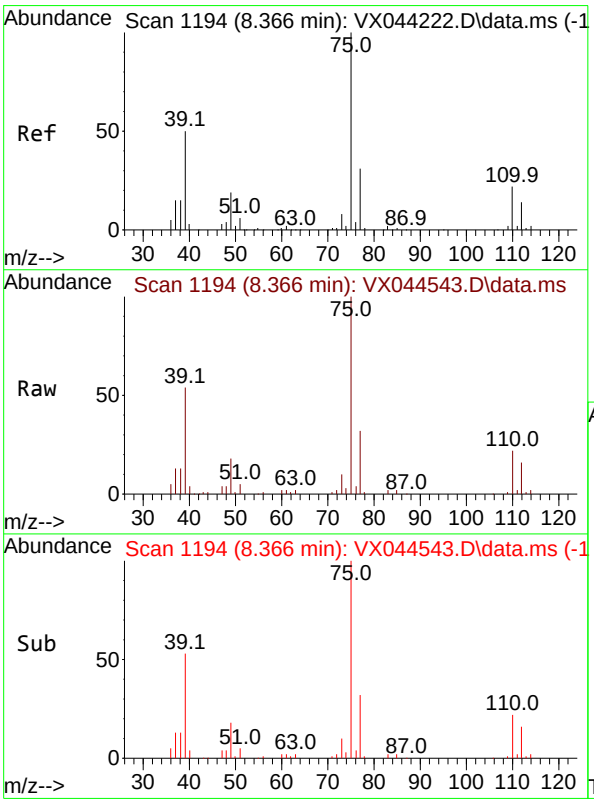

#53
t-1,3-Dichloropropene
Concen: 17.946 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 75 Resp: 42464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.4 | 27.2 | 40.8 |

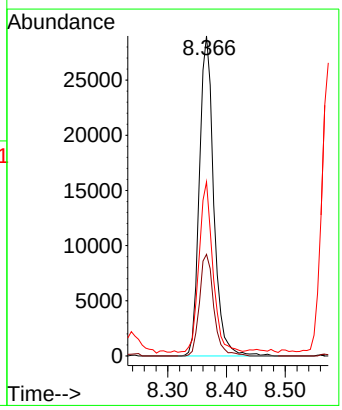


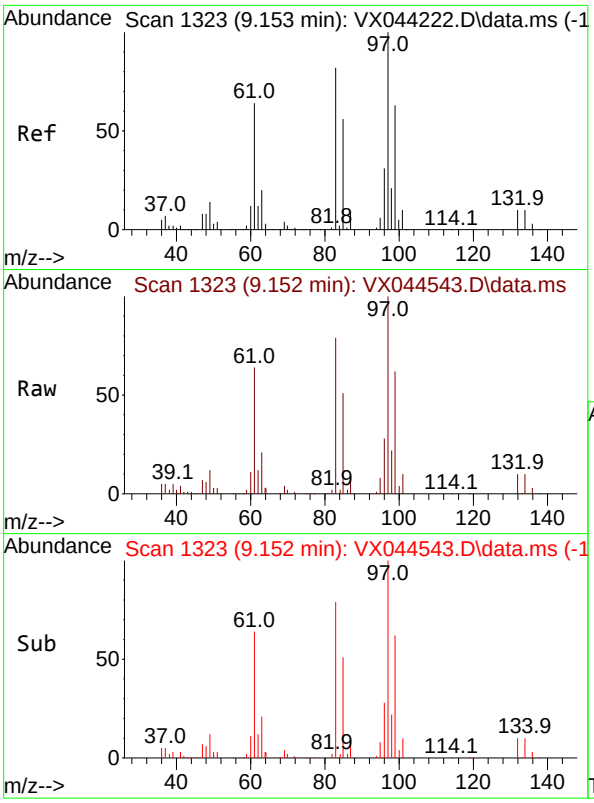




#54
cis-1,3-Dichloropropene
Concen: 19.180 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 49386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 24.7 | 37.1 |
| 39 | 53.3 | 40.3 | 60.5 |



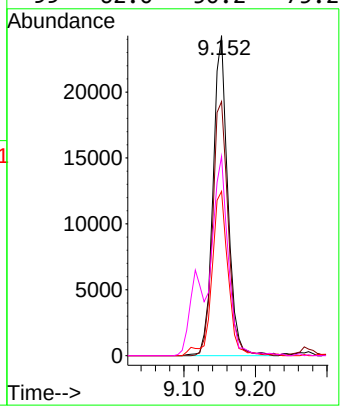


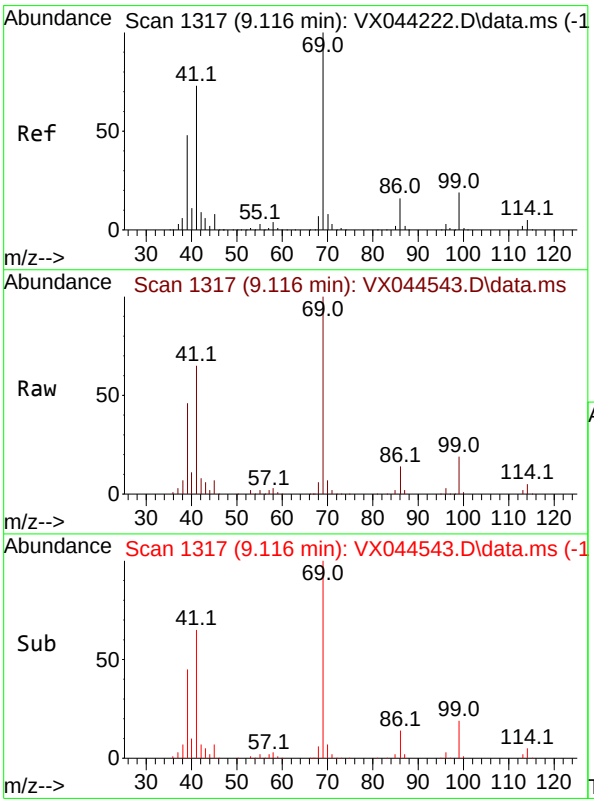

#55
1,1,2-Trichloroethane
Concen: 20.166 ug/l
RT: 9.152 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 97 Resp: 34756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 79.4 | 65.3 | 97.9 |
| 85 | 51.4 | 44.6 | 67.0 |
| 99 | 62.0 | 50.2 | 75.2 |

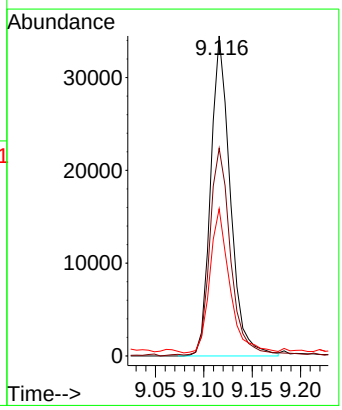


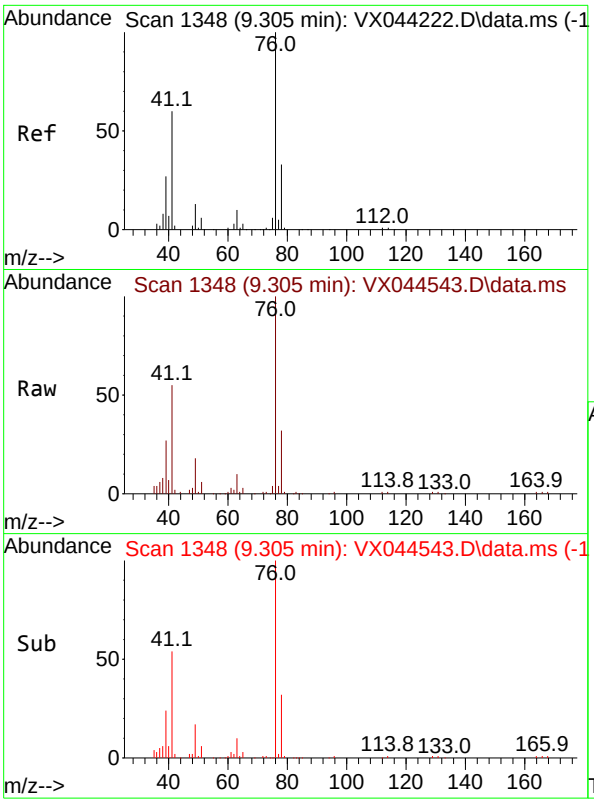




#56
Ethyl methacrylate
Concen: 17.884 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 69 Resp: 48658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.2 | 56.6 | 85.0 |
| 39 | 45.6 | 37.4 | 56.0 |



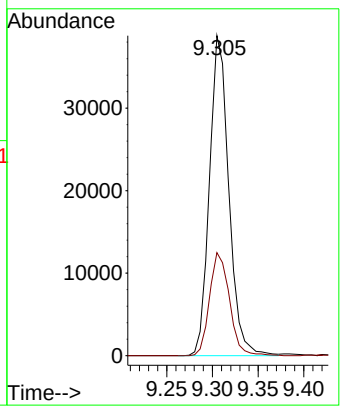


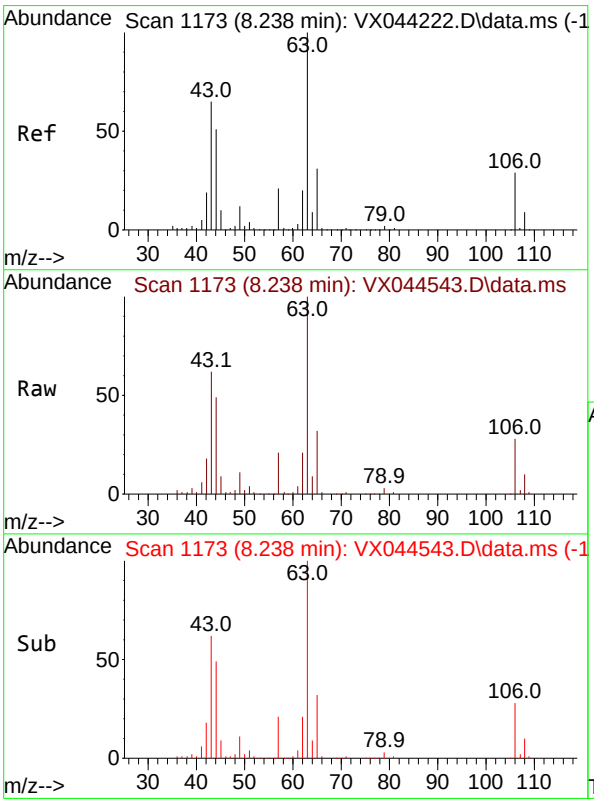

#57
1,3-Dichloropropane
Concen: 19.017 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 76 Resp: 57049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.1 | 26.5 | 39.7 |

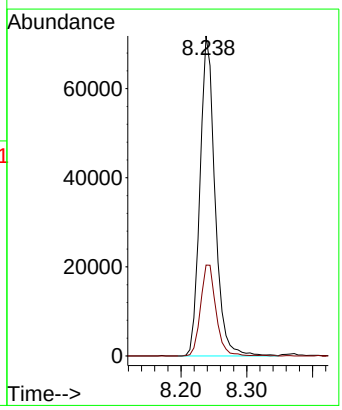


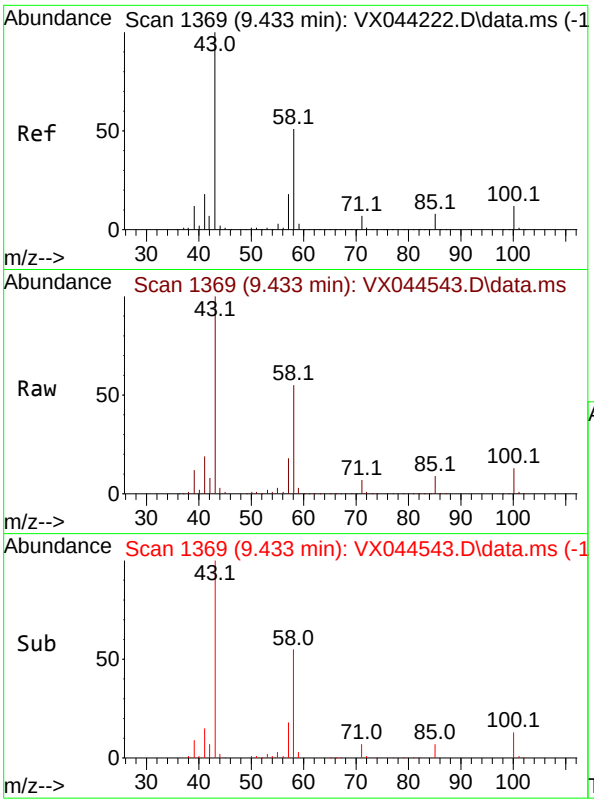




#58
2-Chloroethyl Vinyl ether
Concen: 82.945 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 63 Resp: 113825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 29.3 | 22.8 | 34.2 |



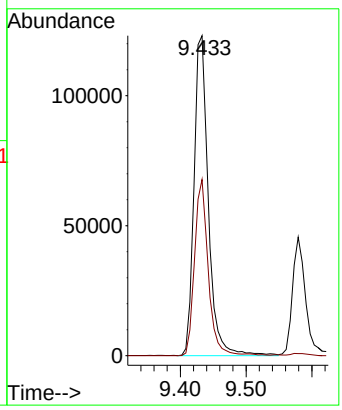


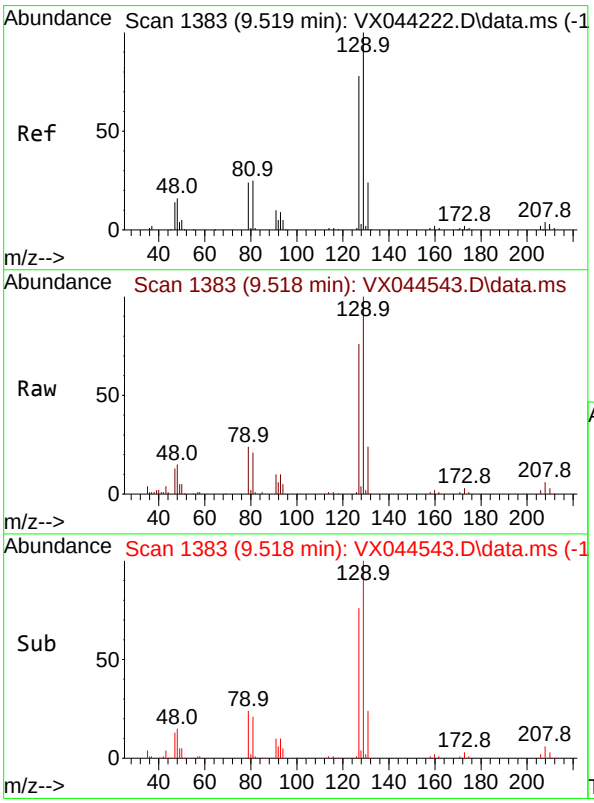

#59
2-Hexanone
Concen: 90.950 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 43 Resp: 186080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 25.7 | 77.0 |

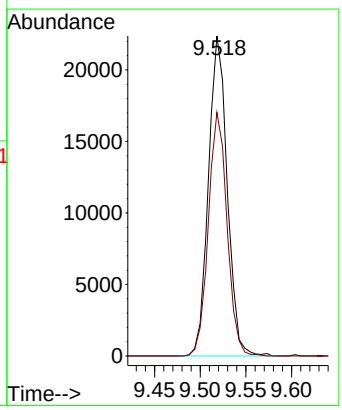


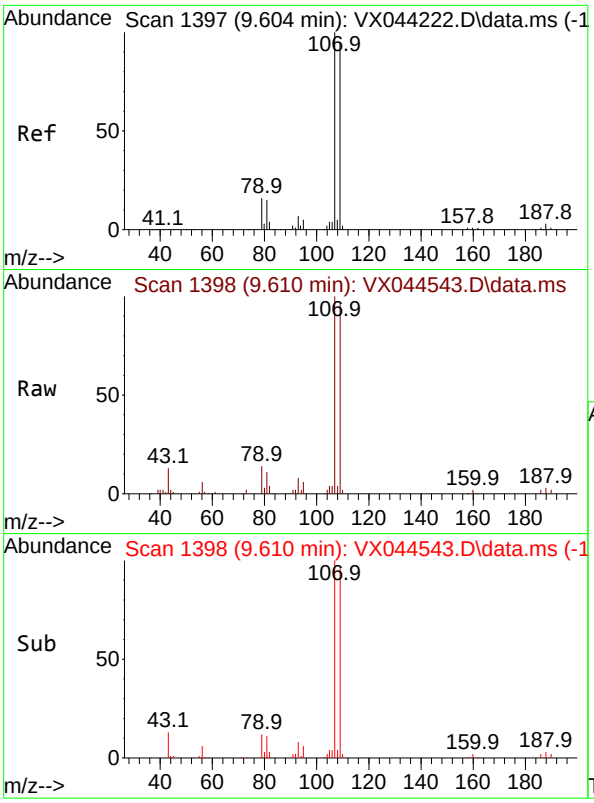




#60
Dibromochloromethane
Concen: 18.797 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:129 Resp: 31945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.7 | 38.5 | 115.3 |



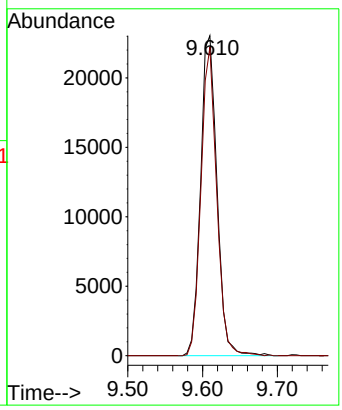


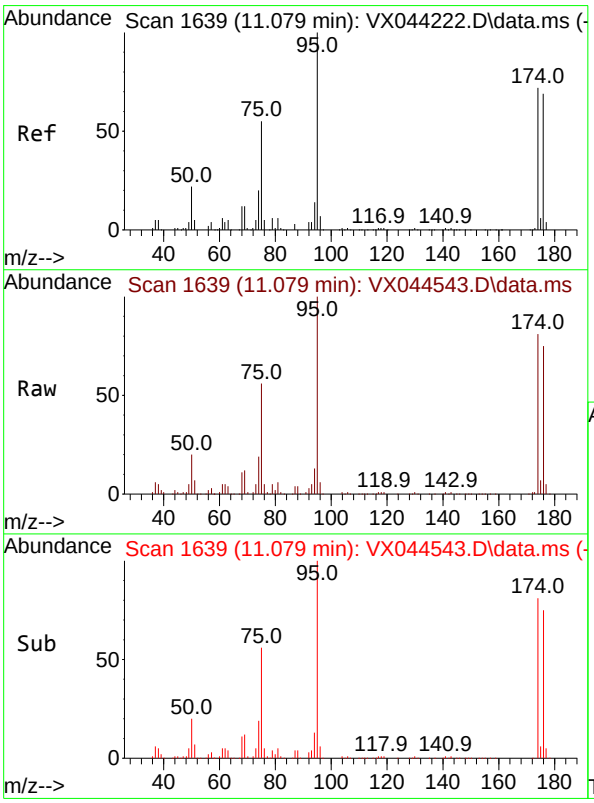

#61
1,2-Dibromoethane
Concen: 19.998 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:107 Resp: 35083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.8 | 77.0 | 115.4 |

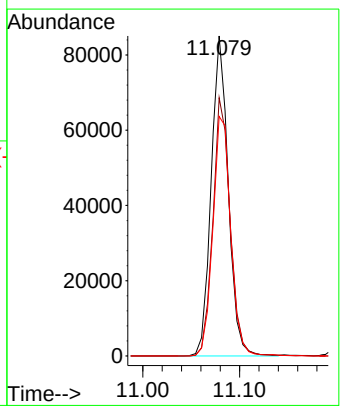


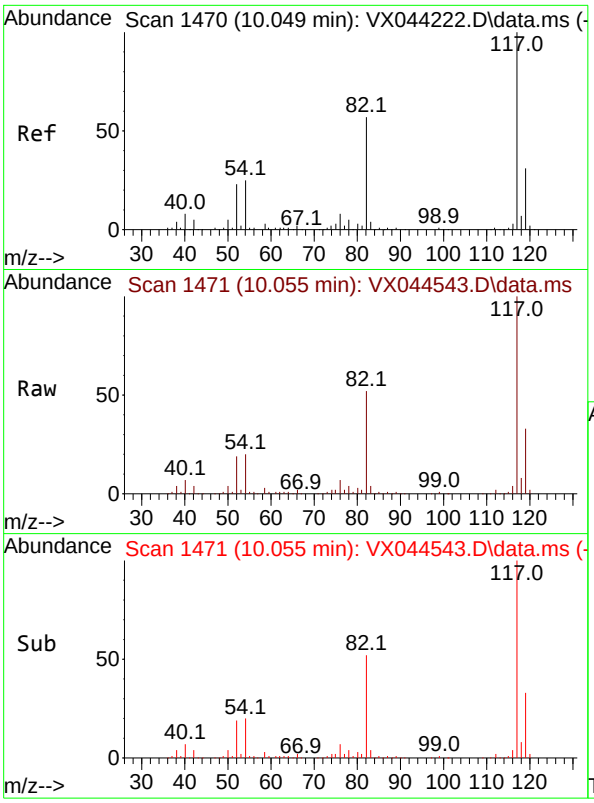




#62
4-Bromofluorobenzene
Concen: 50.111 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 95 Resp: 103985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.8 | 0.0 | 145.8 |
| 176 | 78.6 | 0.0 | 137.8 |



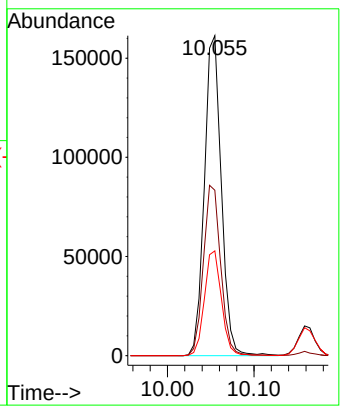


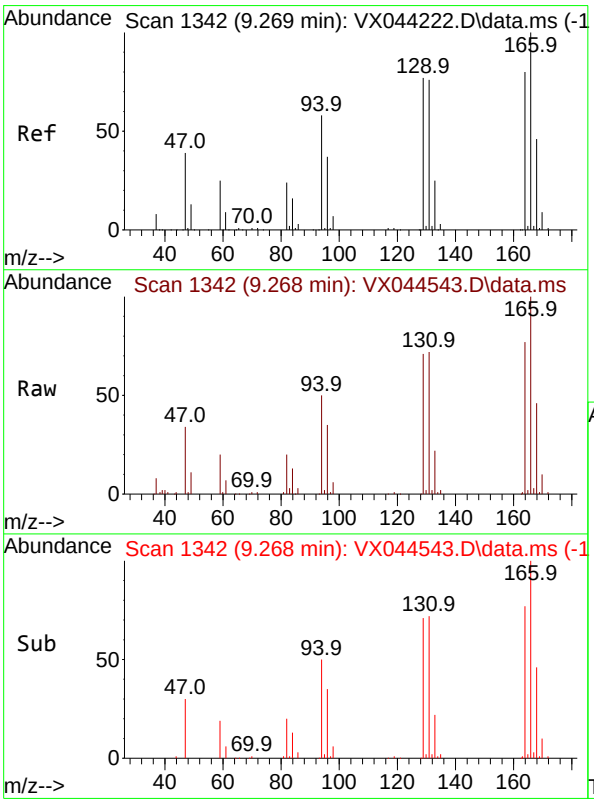

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:117 Resp: 219785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.7 | 45.8 | 68.8 |
| 119 | 32.7 | 25.0 | 37.4 |

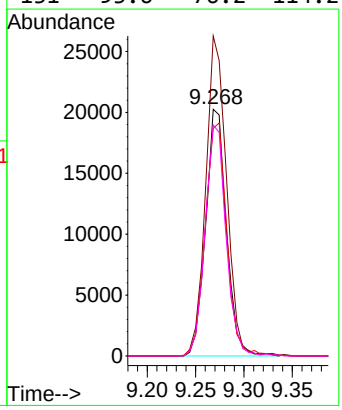


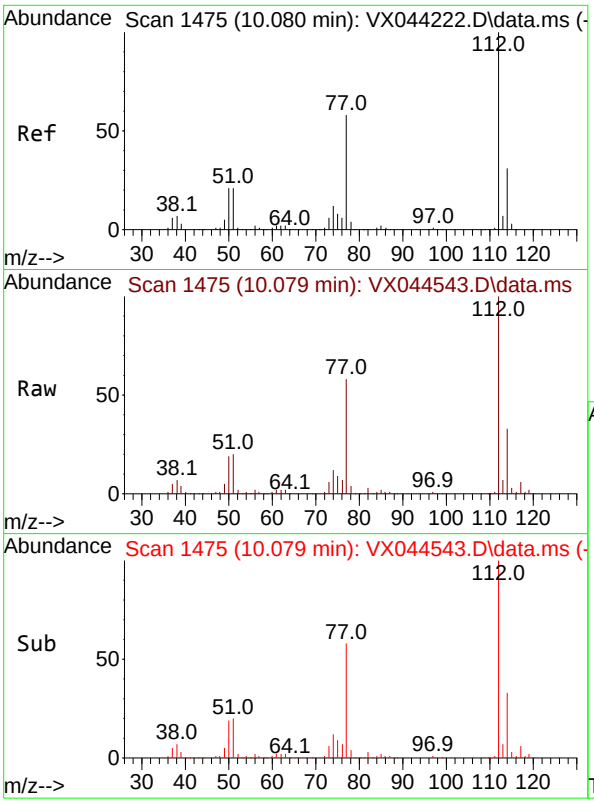




#64
Tetrachloroethene
Concen: 20.671 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:164 Resp: 30154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.7 | 100.4 | 150.6 |
| 129 | 92.2 | 77.2 | 115.8 |
| 131 | 93.6 | 76.2 | 114.2 |



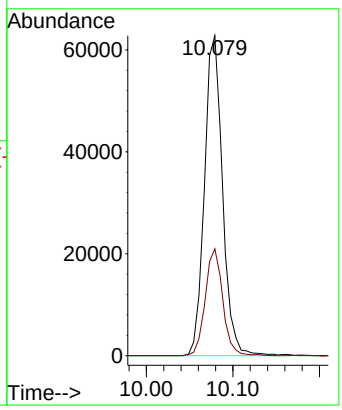


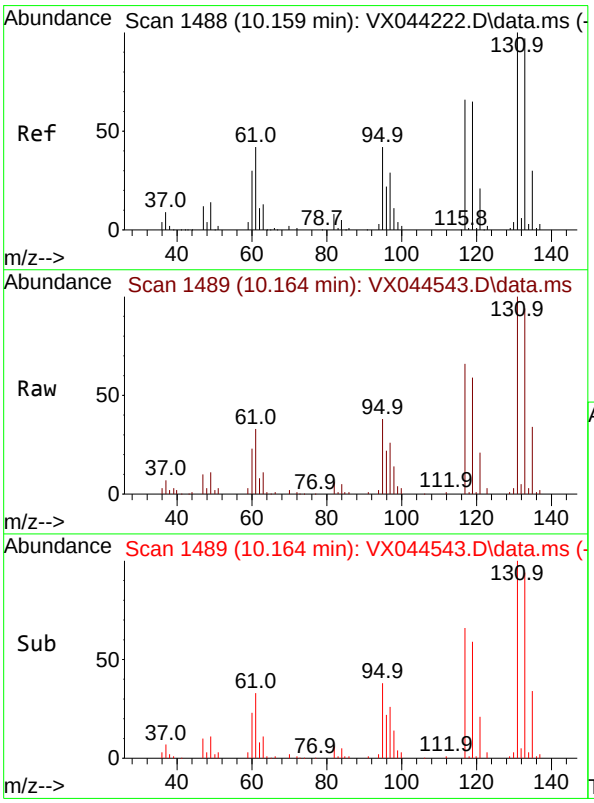

#65
Chlorobenzene
Concen: 19.326 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:112 Resp: 91014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.4 | 25.0 | 37.6 |

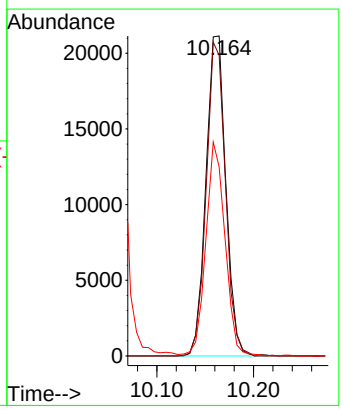


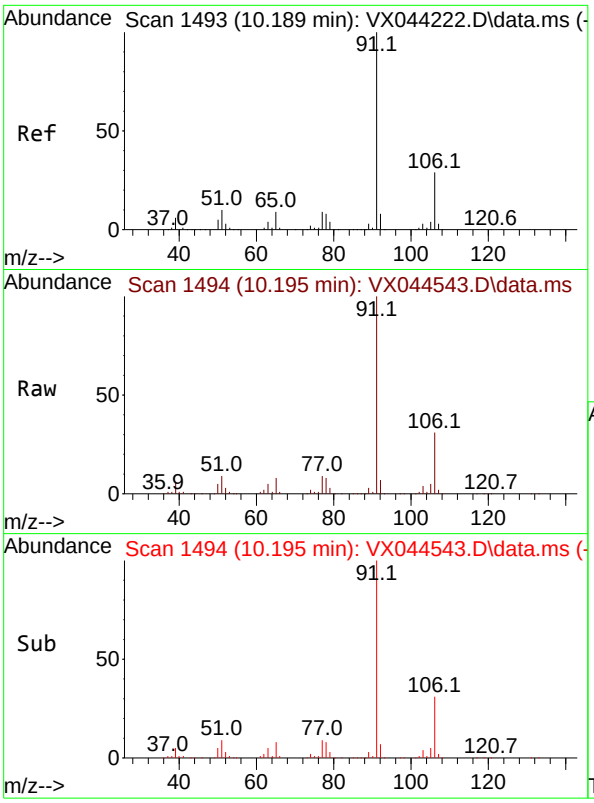




#66
1,1,1,2-Tetrachloroethane
Concen: 19.937 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:131 Resp: 30176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.6 | 47.3 | 141.8 |
| 119 | 64.3 | 31.6 | 95.0 |



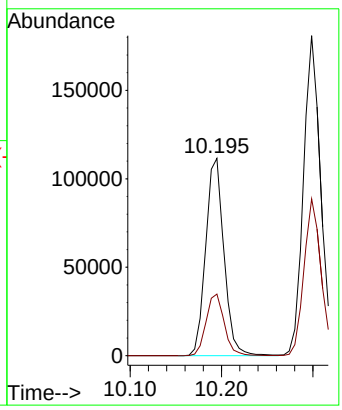


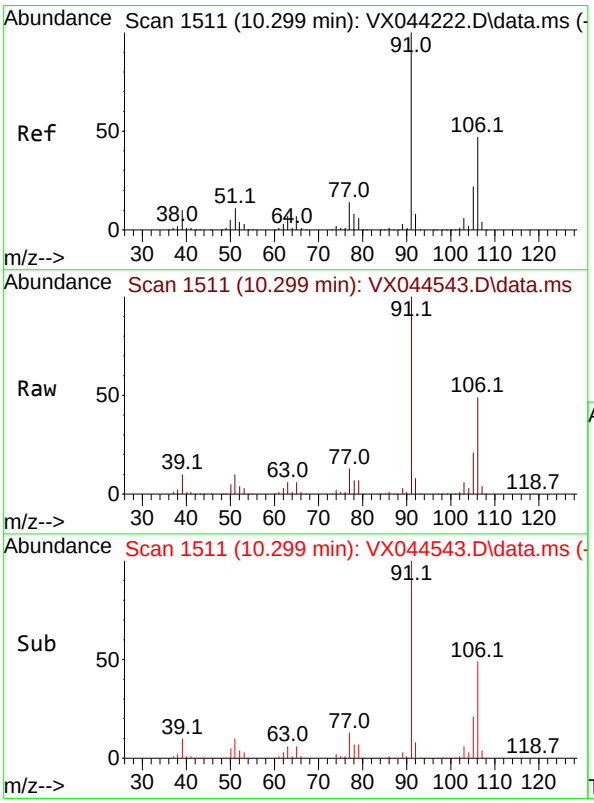

#67
Ethyl Benzene
Concen: 18.997 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 91 Resp: 154584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 23.5 | 35.3 |

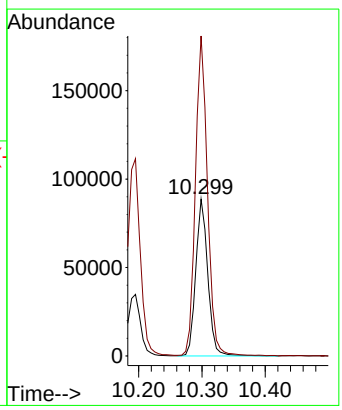


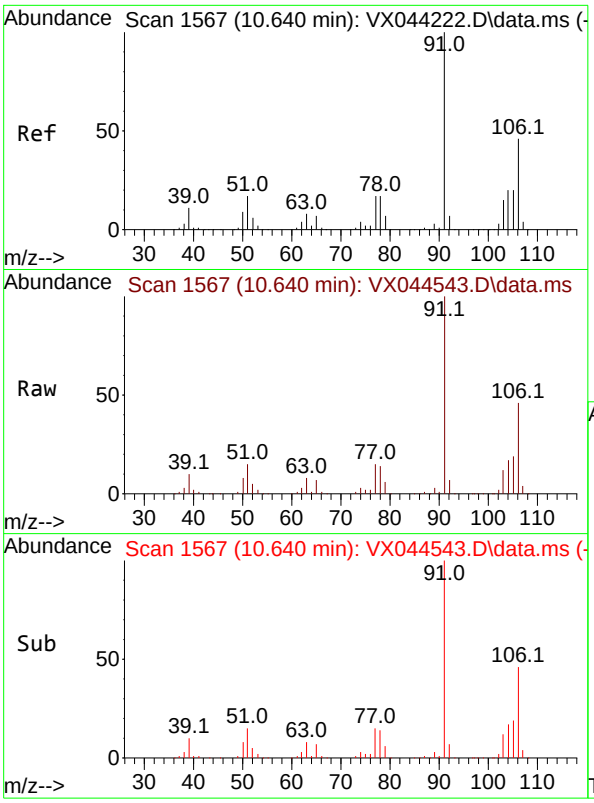




#68
m/p-Xylenes
Concen: 39.398 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:106 Resp: 117637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.2 | 170.2 | 255.2 |



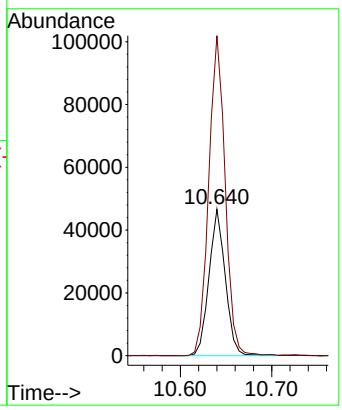


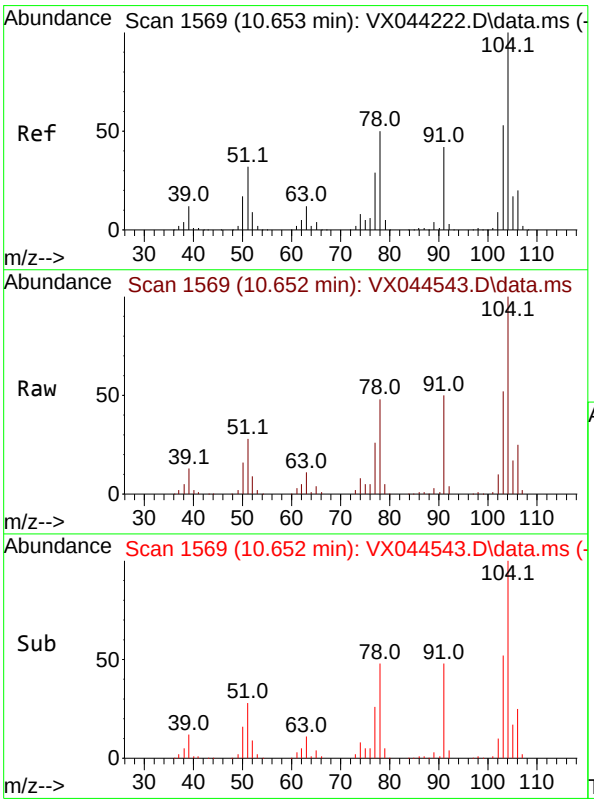

#69
o-Xylene
Concen: 19.067 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:106 Resp: 57605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.3 | 112.3 | 337.0 |

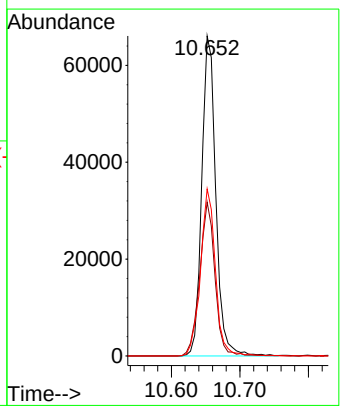


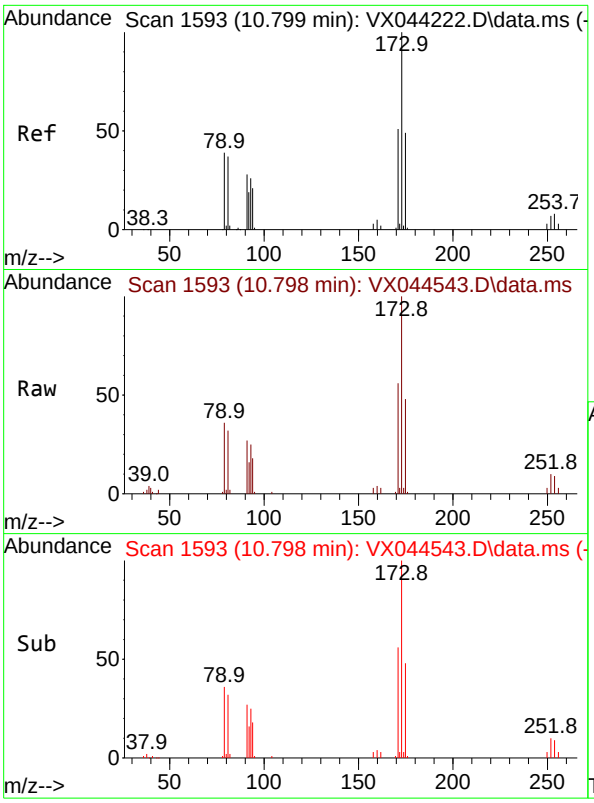




#70
Styrene
Concen: 19.528 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:104 Resp: 94578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 44.6 | 67.0 |
| 103 | 55.7 | 45.4 | 68.0 |



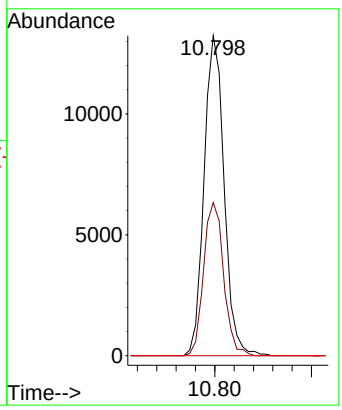


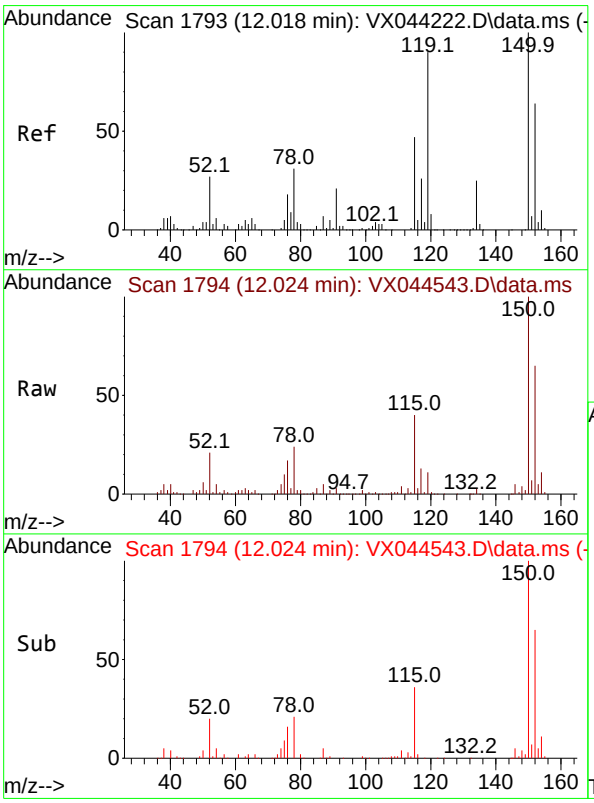

#71
Bromoform
Concen: 20.029 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:173 Resp: 19071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

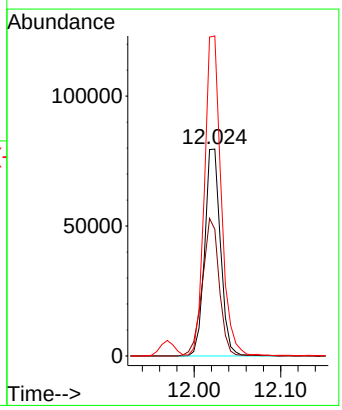


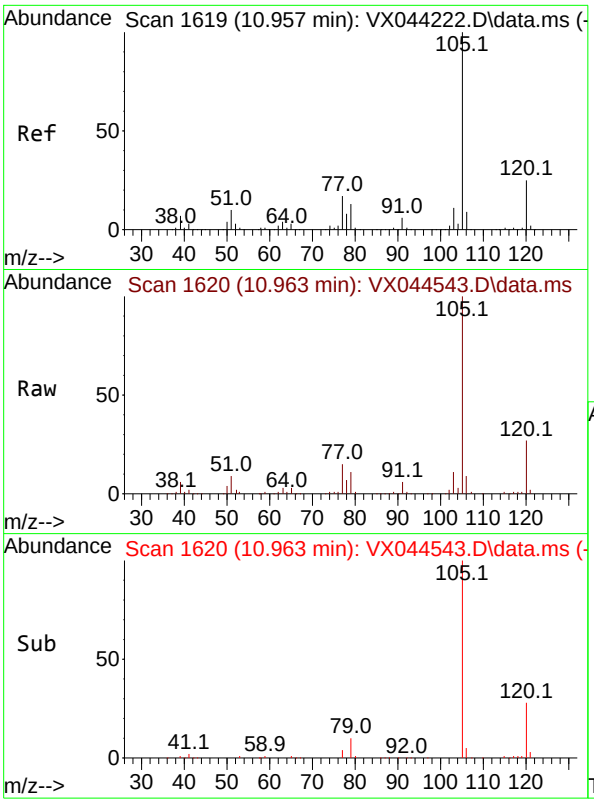




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:152 Resp: 100843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.1 | 44.5 | 133.3 |
| 150 | 162.8 | 0.0 | 353.8 |



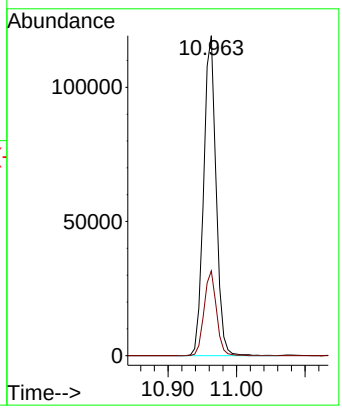


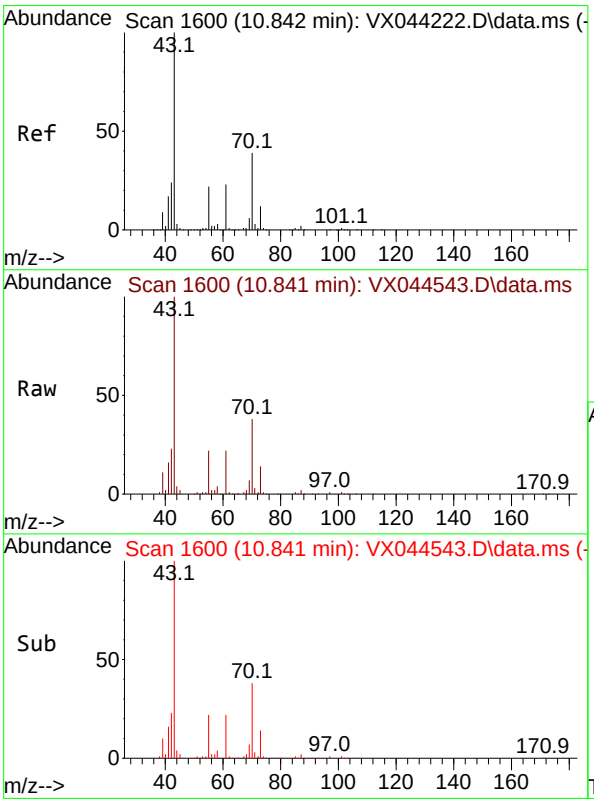

#73
Isopropylbenzene
Concen: 19.536 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:105 Resp: 150815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.1 | 39.3 |

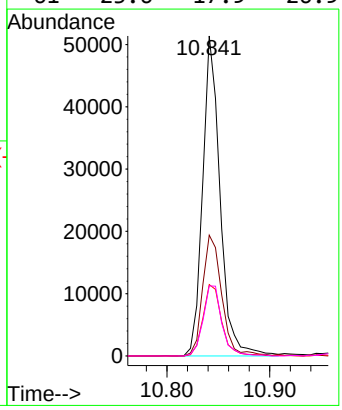


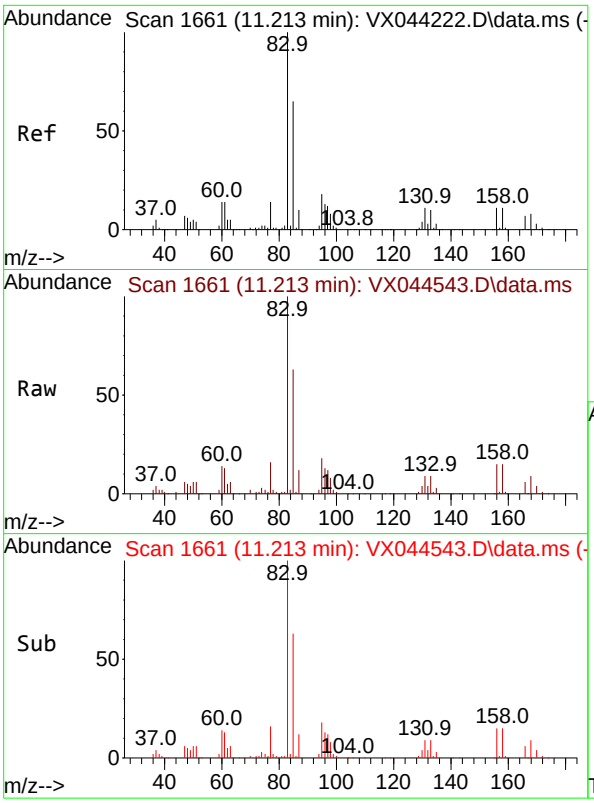




#74
N-amyl acetate
Concen: 17.065 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 60883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.2 | 31.9 | 47.9 |
| 55 | 23.9 | 17.9 | 26.9 |
| 61 | 23.6 | 17.9 | 26.9 |



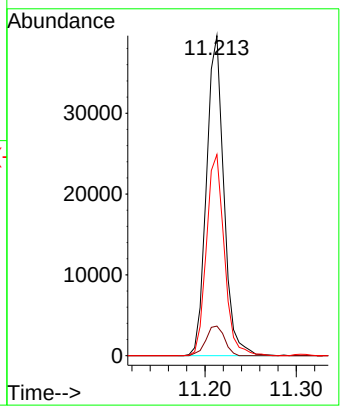


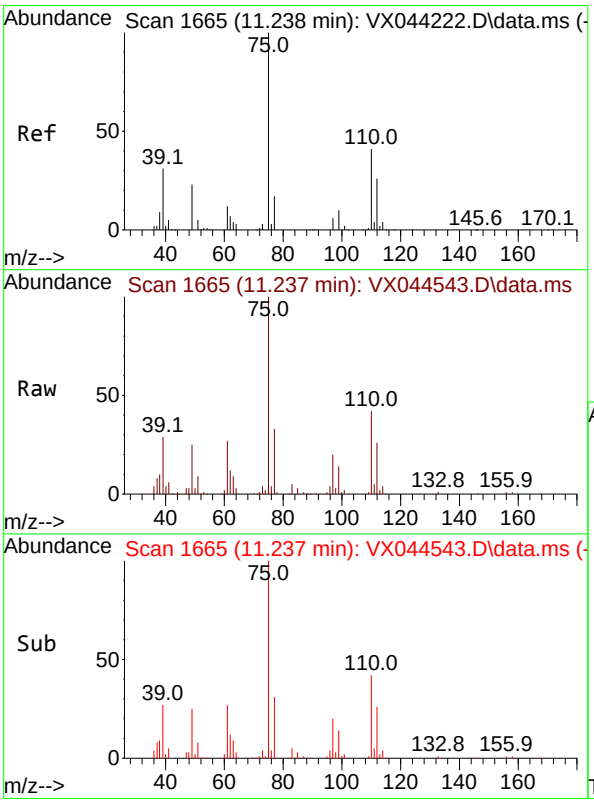

#75
1,1,2,2-Tetrachloroethane
Concen: 19.420 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 83 Resp: 52073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.4 |
| 85 | 64.8 | 32.5 | 97.4 |

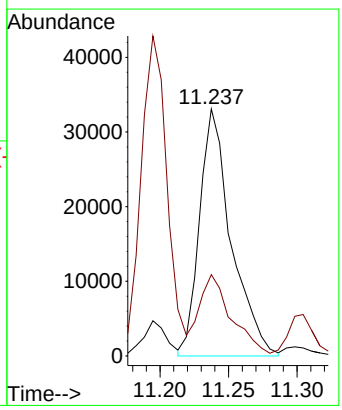


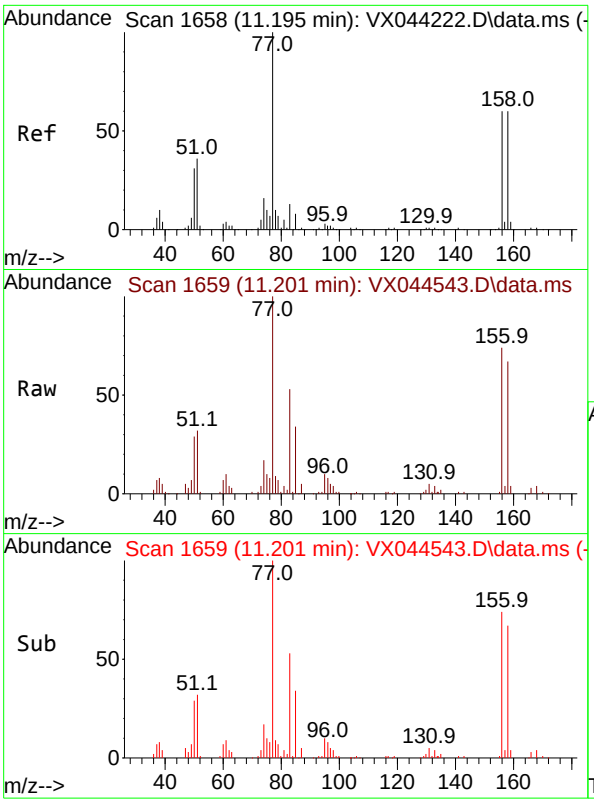




#76
1,2,3-Trichloropropane
Concen: 23.669 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 53292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.6 | 20.9 | 62.7 |



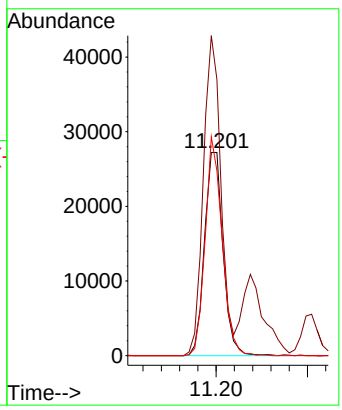


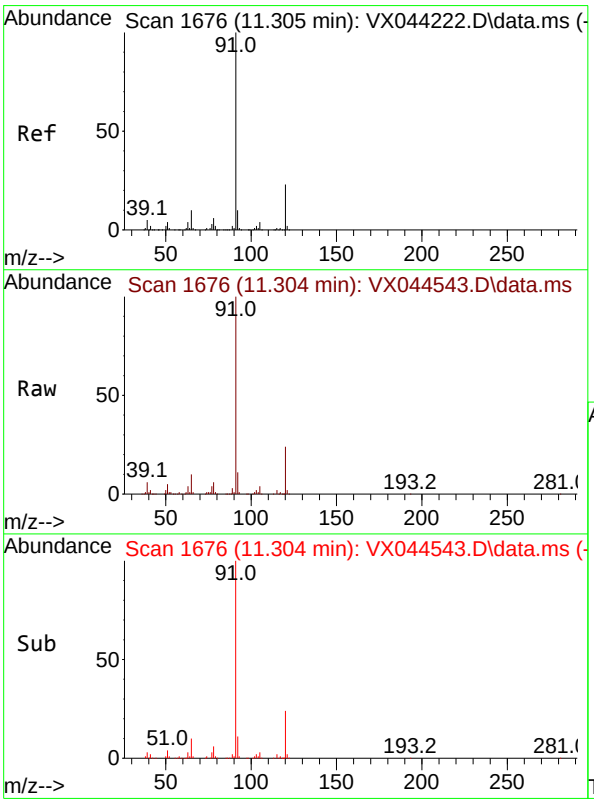

#77
Bromobenzene
Concen: 20.493 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:156 Resp: 38364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 148.4 | 82.6 | 247.8 |
| 158 | 98.4 | 48.8 | 146.4 |

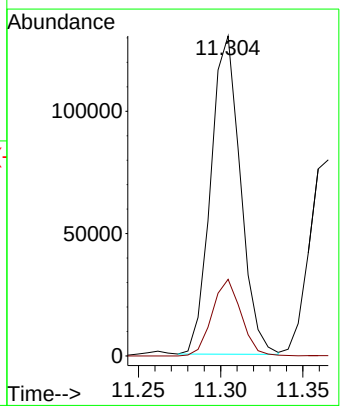


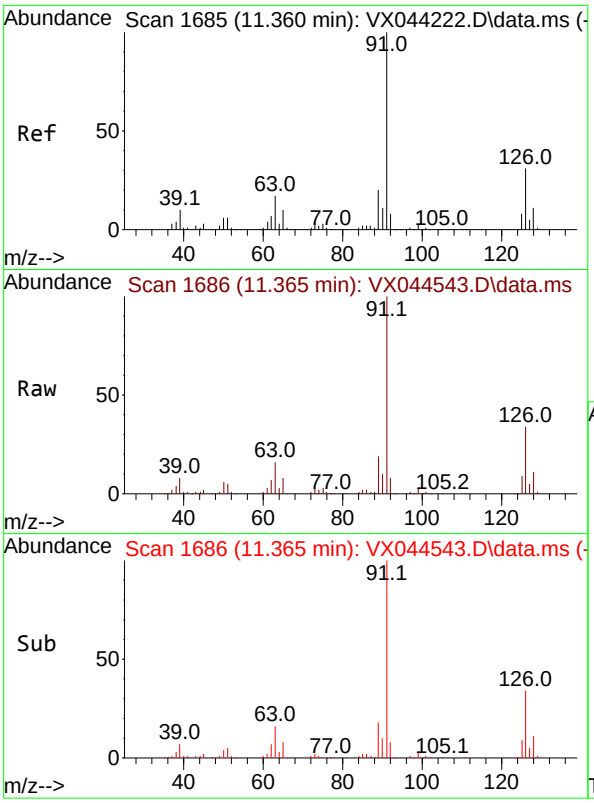




#78
n-propylbenzene
Concen: 19.181 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 163660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.6 | 11.0 | 33.0 |



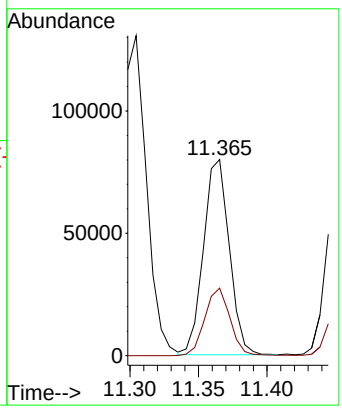


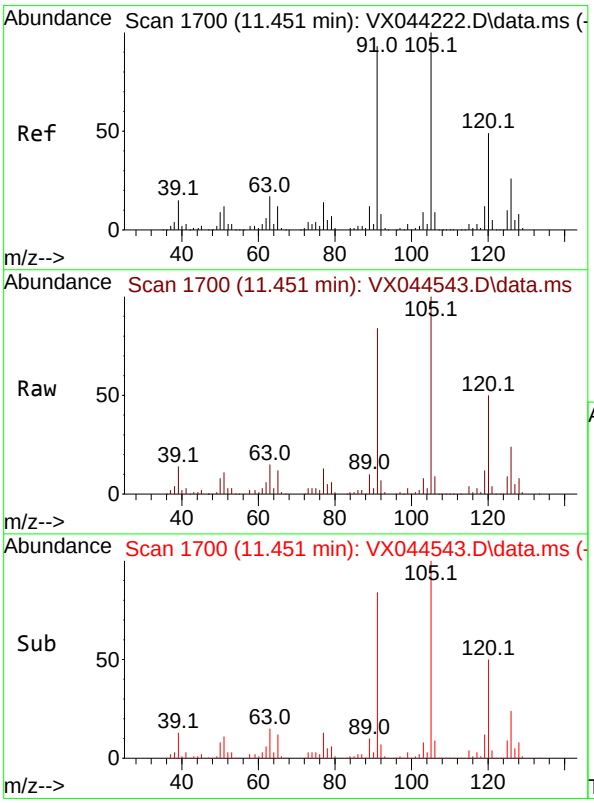

#79
2-Chlorotoluene
Concen: 18.903 ug/l
RT: 11.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 91 Resp: 104313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.0 | 16.4 | 49.1 |

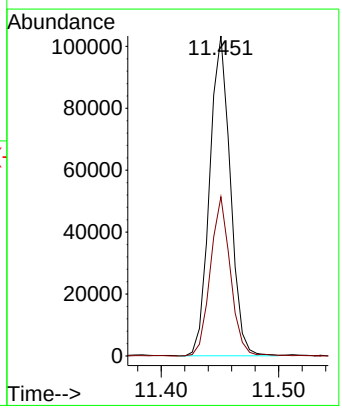


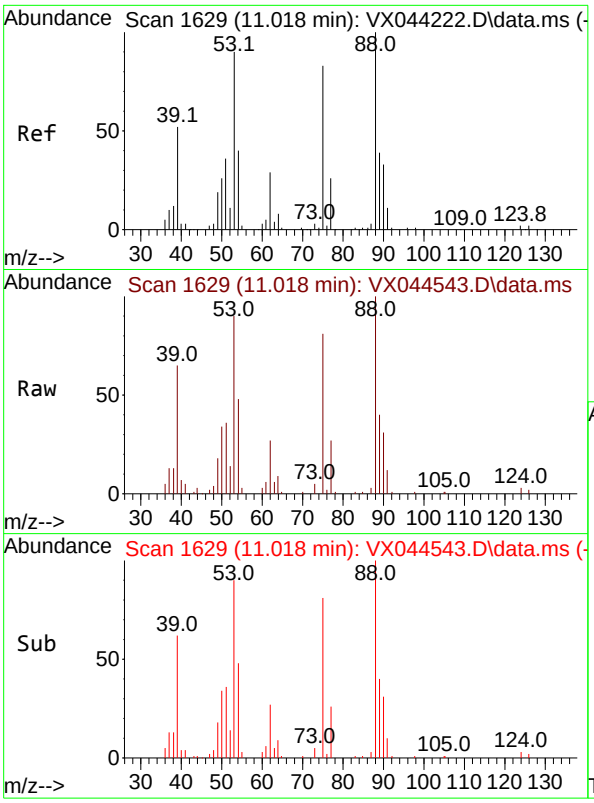




#80
1,3,5-Trimethylbenzene
Concen: 19.674 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:105 Resp: 125956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 23.8 | 71.4 |



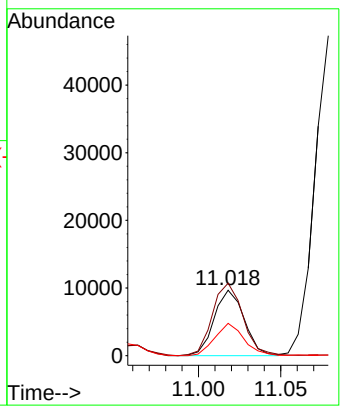


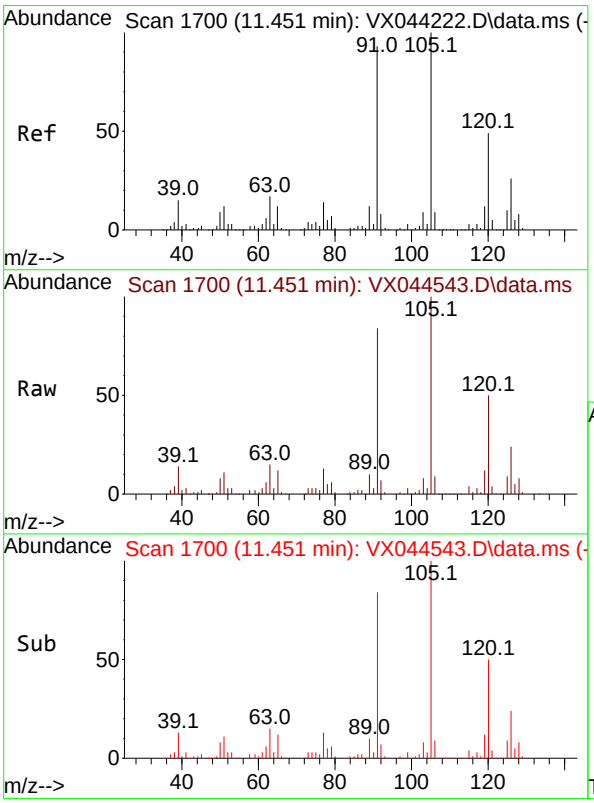

#81
trans-1,4-Dichloro-2-butene
Concen: 19.517 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 75 Resp: 12327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 112.6 | 93.6 | 140.4 |
| 89 | 47.7 | 37.3 | 55.9 |

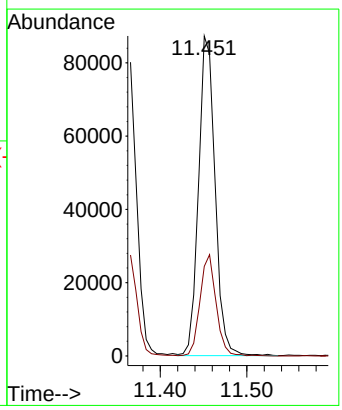


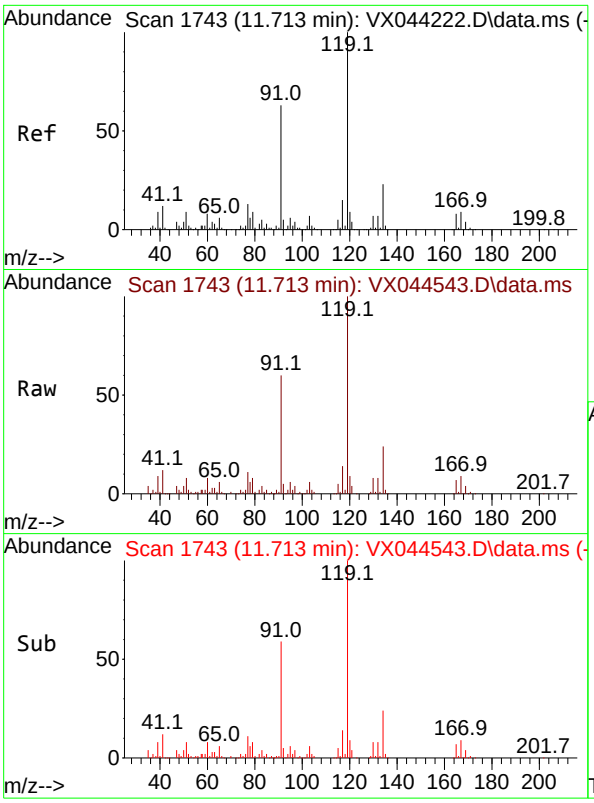




#82
4-Chlorotoluene
Concen: 18.905 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 115520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.0 | 14.5 | 43.5 |



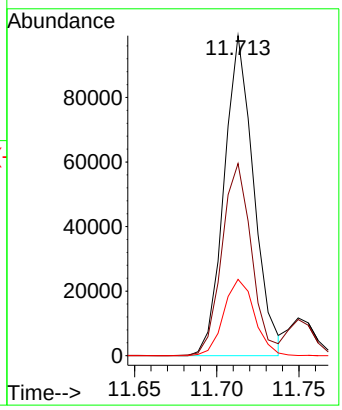


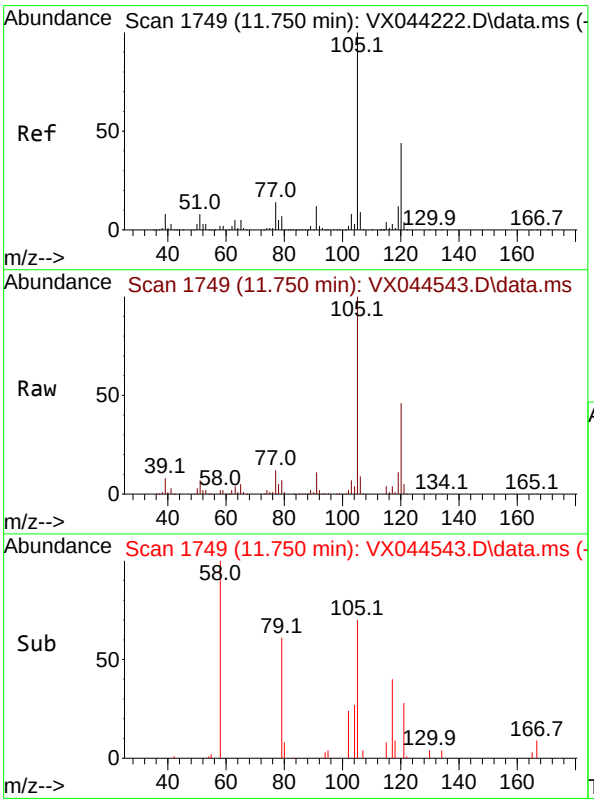

#83
tert-Butylbenzene
Concen: 19.605 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:119 Resp: 124037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.7 | 30.9 | 92.5 |
| 134 | 24.9 | 11.5 | 34.4 |

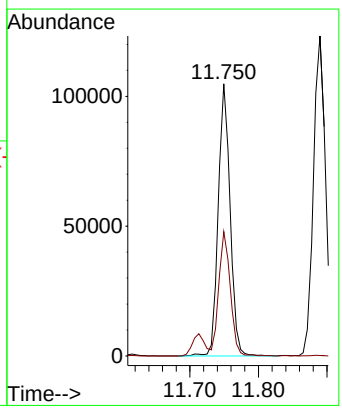


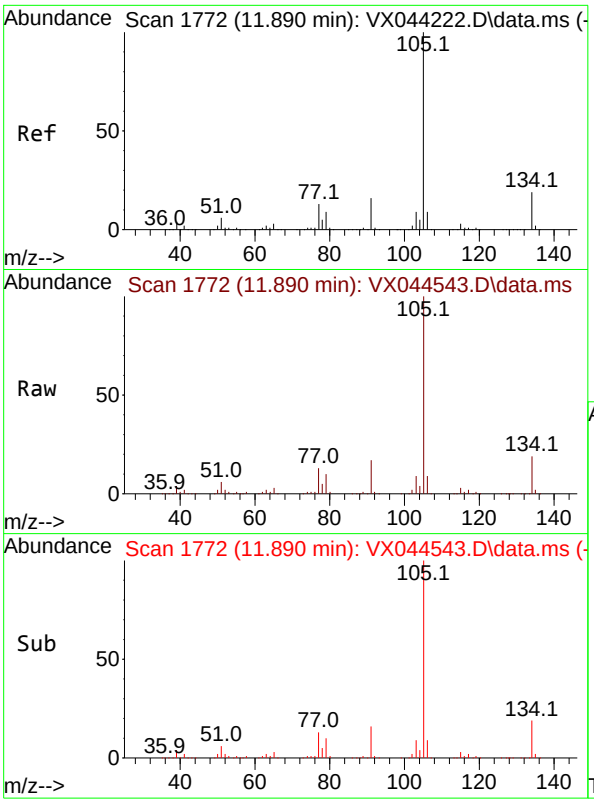




#84
1,2,4-Trimethylbenzene
Concen: 20.023 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:105 Resp: 125891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 21.7 | 65.1 |



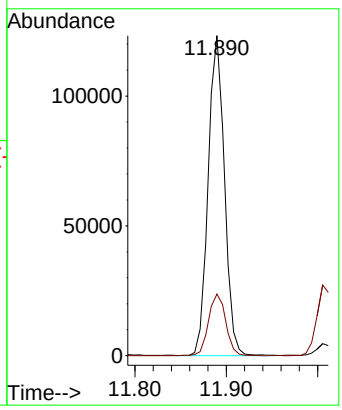


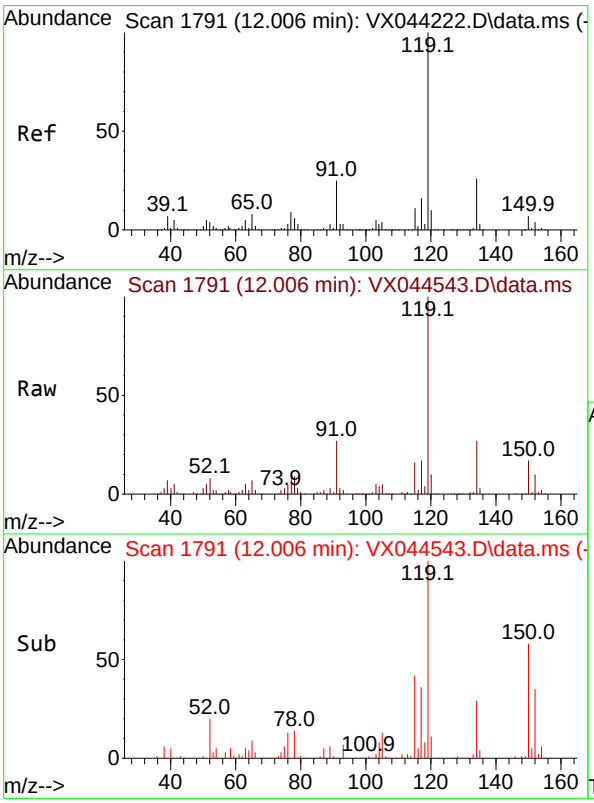

#85
sec-Butylbenzene
Concen: 19.820 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:105 Resp: 152233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 9.8 | 29.4 |

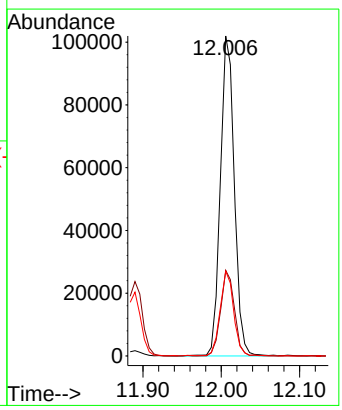


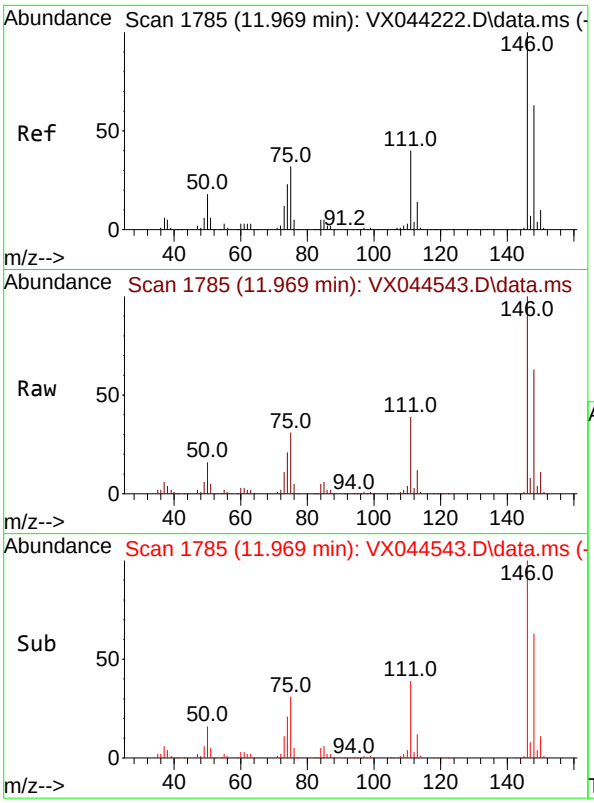




#86
p-Isopropyltoluene
Concen: 19.824 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:119 Resp: 126730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.6 | 12.8 | 38.4 |
| 91 | 25.8 | 13.0 | 39.0 |



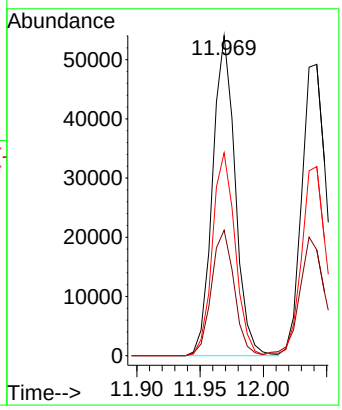


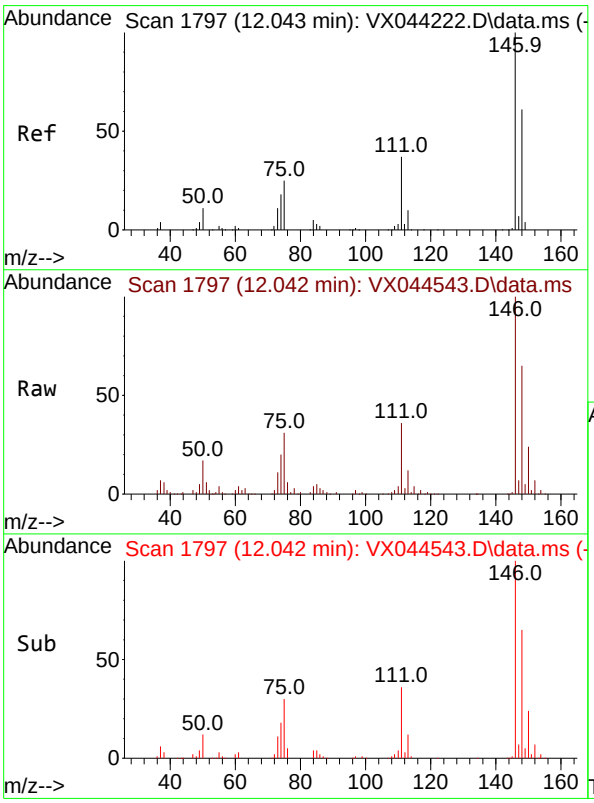

#87
1,3-Dichlorobenzene
Concen: 20.481 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:146 Resp: 66973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.4 | 21.4 | 64.2 |
| 148 | 63.7 | 31.7 | 95.1 |

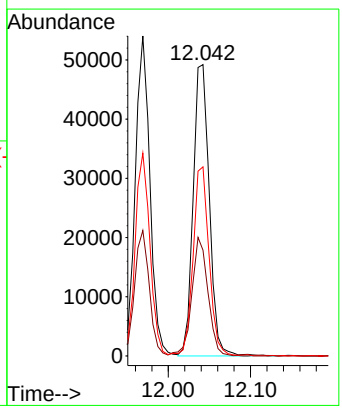


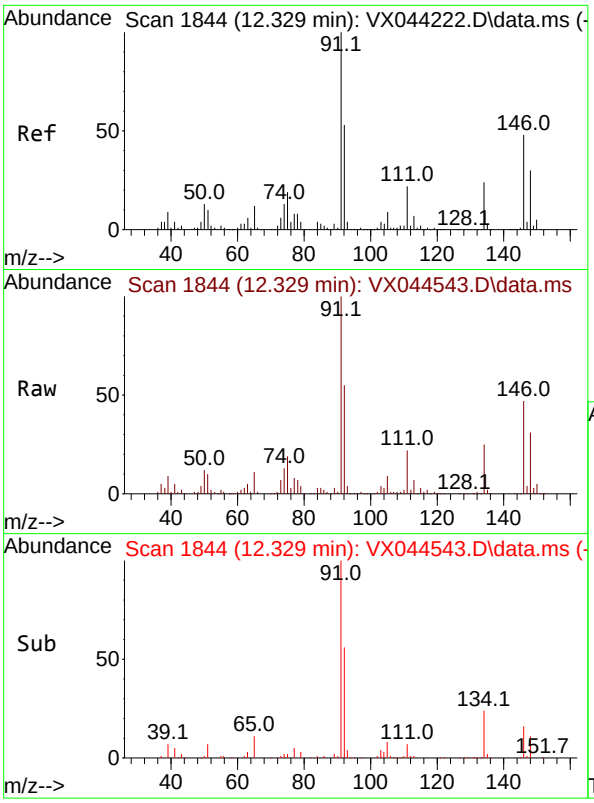




#88
1,4-Dichlorobenzene
Concen: 19.967 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:146 Resp: 67120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 21.0 | 63.0 |
| 148 | 64.5 | 32.3 | 96.8 |



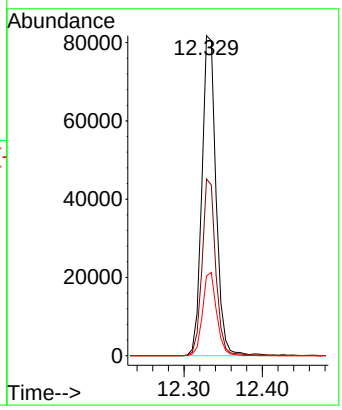


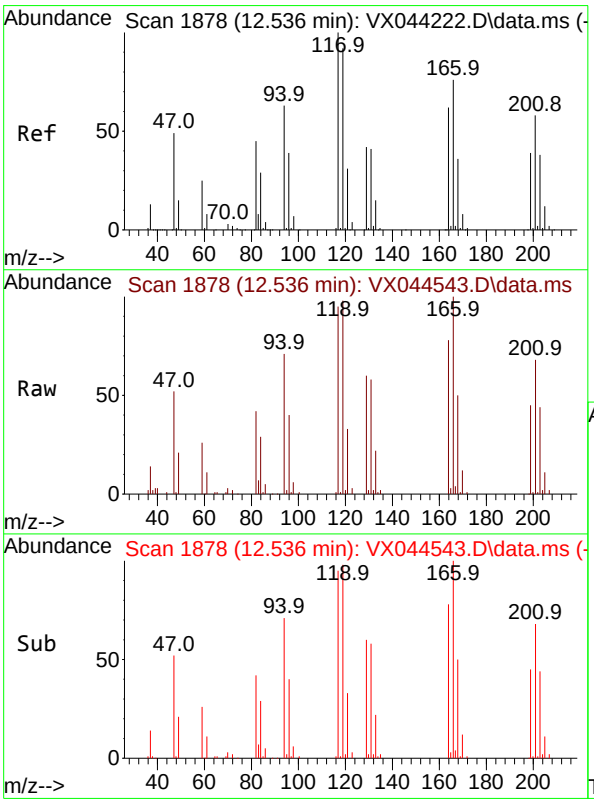

#89
n-Butylbenzene
Concen: 19.065 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion: 91 Resp: 102486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 26.6 | 79.7 |
| 134 | 25.7 | 12.6 | 37.8 |

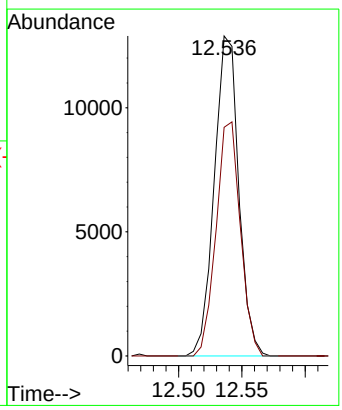


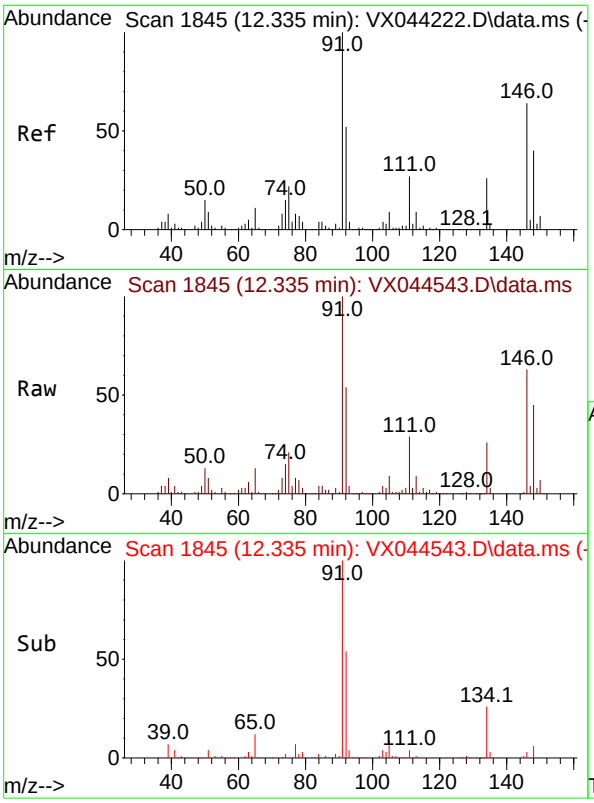




#90
Hexachloroethane
Concen: 18.544 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:117 Resp: 17305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.7 | 31.4 | 94.2 |



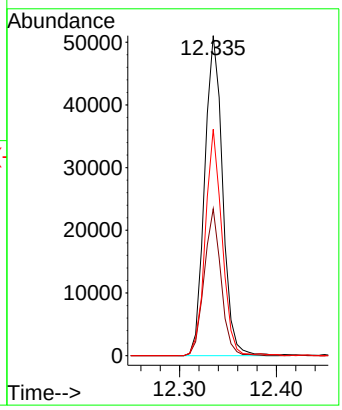


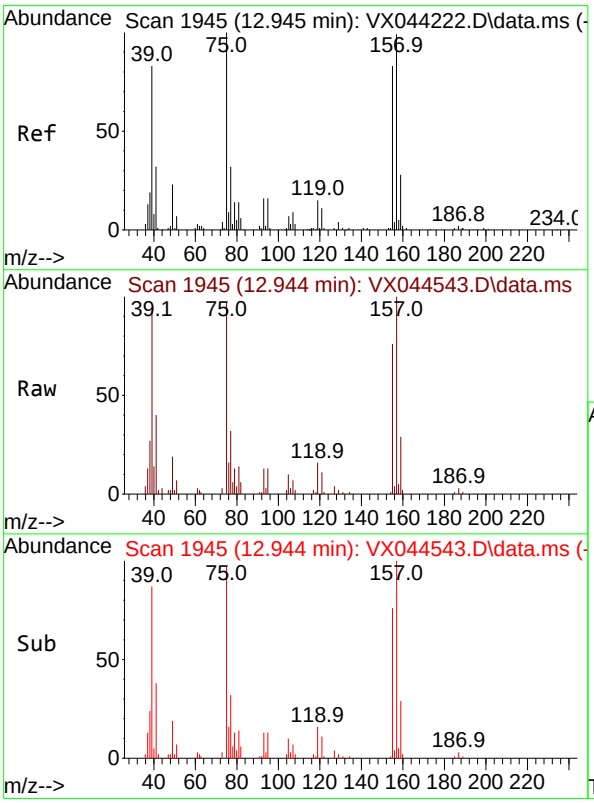

#91
1,2-Dichlorobenzene
Concen: 19.354 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:146 Resp: 65715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.4 | 64.3 |
| 148 | 66.2 | 31.6 | 95.0 |

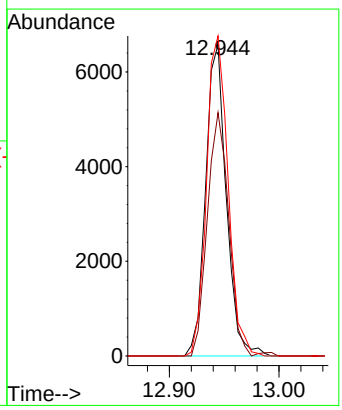


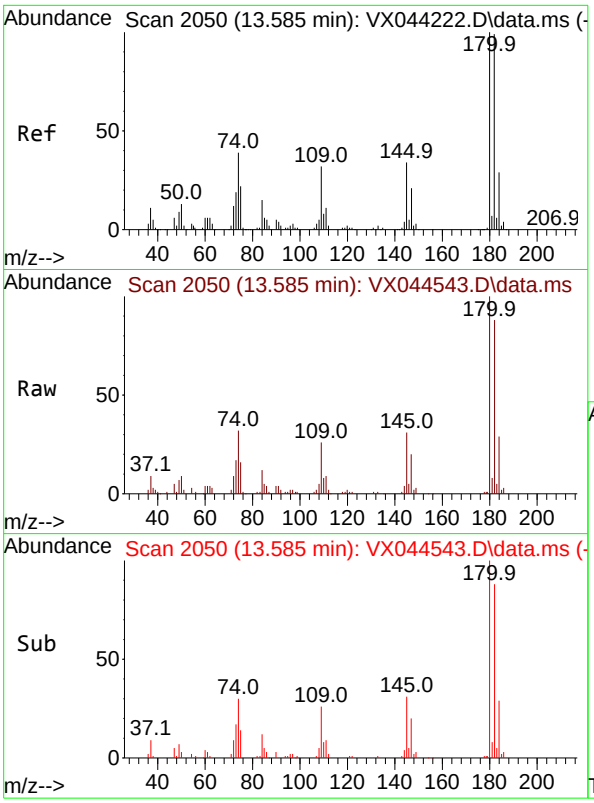




#92
1,2-Dibromo-3-Chloropropane
Concen: 16.555 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 8617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.8 | 38.1 | 114.3 |
| 157 | 107.0 | 47.2 | 141.6 |



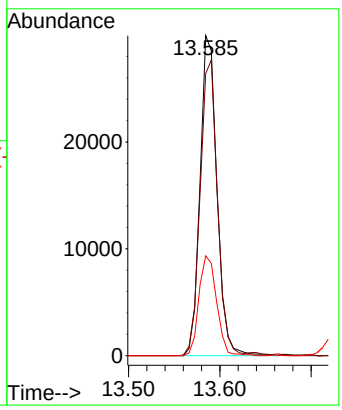


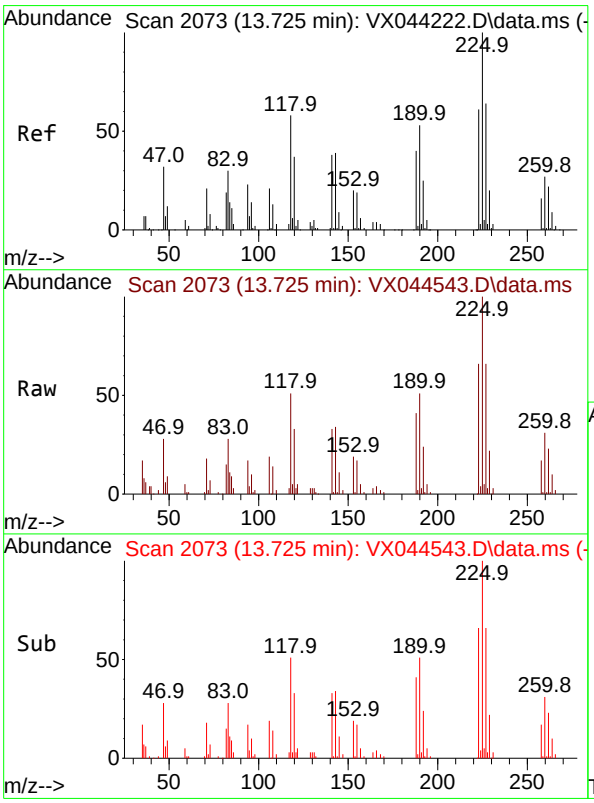

#93
1,2,4-Trichlorobenzene
Concen: 20.671 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:180 Resp: 38478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 48.0 | 144.2 |
| 145 | 32.5 | 16.6 | 49.7 |

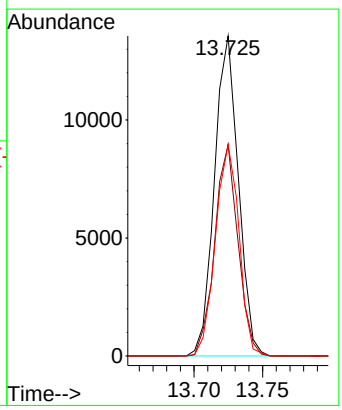


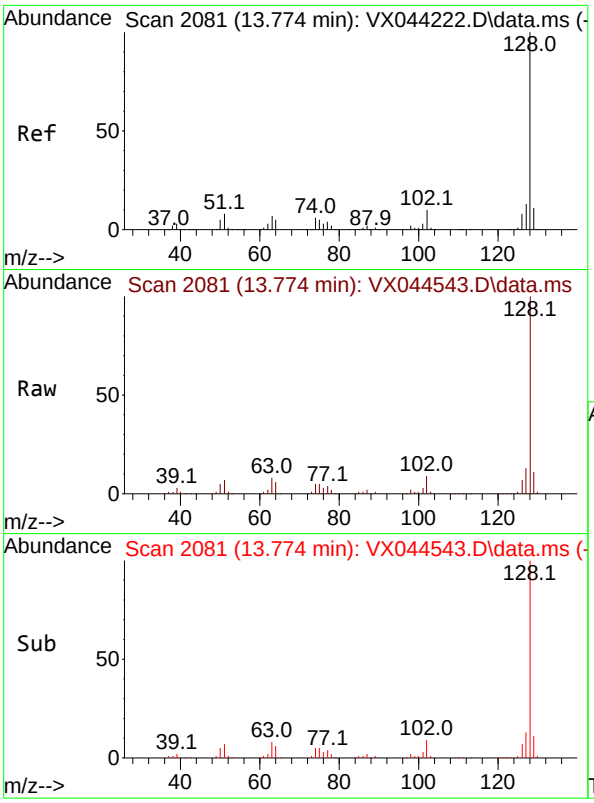




#94
Hexachlorobutadiene
Concen: 21.939 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:225 Resp: 16427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.4 | 30.8 | 92.4 |
| 227 | 64.9 | 32.1 | 96.3 |



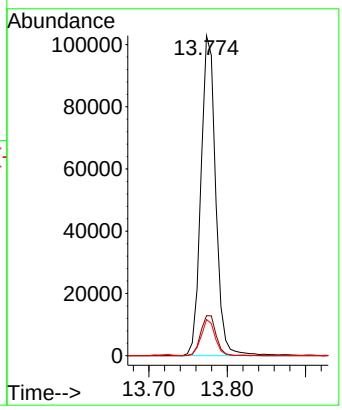


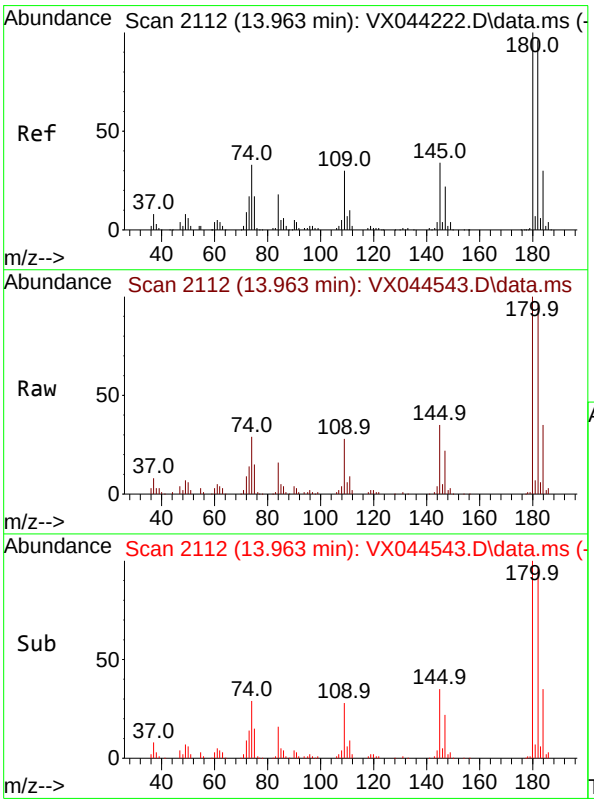

#95
Naphthalene
Concen: 18.521 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1231WBS01

Tgt Ion:128 Resp: 134577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.5 | 15.7 |
| 129 | 10.8 | 9.0 | 13.4 |

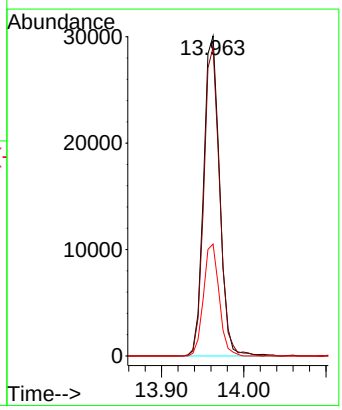



#96
1,2,3-Trichlorobenzene
Concen: 20.557 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:180 Resp: 40587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 48.0 | 144.0 |
| 145 | 34.2 | 17.7 | 53.1 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 134908 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 225955 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 199687 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 97406 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 97335 | 41.150 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 82.300% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 78099 | 49.905 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.820% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 255928 | 48.474 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 96.940% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92593 | 50.190 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.380% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 88473 | 42.412 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 80213 | 40.211 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 85988 | 41.376 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 58486 | 39.669 | ug/l | 96 |
| 6) Chloroethane | 1.660 | 64 | 55460 | 42.857 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 160196 | 39.375 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 60946 | 43.886 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 77621 | 47.148 | ug/l | 95 |
| 10) Methyl Iodide | 2.440 | 142 | 104691 | 48.249 | ug/l | 94 |
| 11) Tert butyl alcohol | 2.995 | 59 | 68583 | 205.729 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 74754 | 49.435 | ug/l | 98 |
| 13) Acrolein | 2.239 | 56 | 219281 | 454.411 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 109846 | 43.612 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 206660 | 223.794 | ug/l | 100 |
| 16) Acetone | 2.392 | 43 | 191360 | 198.438 | ug/l | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 126347 | 43.956 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 113435 | 45.622 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 255271 | 43.259 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 80711 | 44.561 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 73581 | 45.785 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 241729 | 42.621 | ug/l | 98 |
| 23) Vinyl Acetate | 3.721 | 43 | 1052226 | 228.196 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 143640 | 45.434 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 293704 | 214.237 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 92800 | 36.132 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 92046 | 45.097 | ug/l | 92 |
| 28) Bromochloromethane | 4.897 | 49 | 61368 | 39.585 | ug/l | 90 |
| 29) Tetrahydrofuran | 5.007 | 42 | 187403 | 212.969 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 154551 | 43.510 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 107006 | 41.915 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 135637 | 46.002 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 96599 | 47.753 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 115086 | 46.024 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 109326 | 50.199 | ug/l | 97 |
| 39) Methylcyclohexane | 7.372 | 83 | 115954 | 47.948 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 301408 | 49.074 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 61126 | 46.035 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 118878 | 46.987 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.342 | 43 | 185677 | 47.508 | ug/l | | 98 |
| 44) Trichloroethene | 7.123 | 130 | 80026 | 52.249 | ug/l | | 91 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 74860 | 47.708 | ug/l | | 97 |
| 46) Dibromomethane | 7.580 | 93 | 60246 | 49.490 | ug/l | | 91 |
| 47) Bromodichloromethane | 7.818 | 83 | 108056 | 51.396 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 88938 | 46.878 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 28733 | 913.462 | ug/l | # | 73 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 608819 | 242.270 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 188560 | 48.888 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 103525 | 46.134 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 115192 | 50.320 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 79336 | 51.778 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 121845 | 50.372 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 130819 | 49.051 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 262876 | 215.466 | ug/l | | 97 |
| 59) 2-Hexanone | 9.433 | 43 | 449825 | 247.299 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.518 | 129 | 81525 | 50.226 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 82337 | 52.792 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.275 | 164 | 66308 | 50.030 | ug/l | | 95 |
| 65) Chlorobenzene | 10.079 | 112 | 213039 | 49.789 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 75033 | 54.563 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 365437 | 49.429 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 273541 | 100.832 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 137223 | 49.993 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 228924 | 52.025 | ug/l | | 95 |
| 71) Bromoform | 10.799 | 173 | 52709 | 54.252 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 358412 | 48.065 | ug/l | | 98 |
| 74) N-amyl acetate | 10.841 | 43 | 158466 | 45.983 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 123043 | 47.507 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 127350 | 58.556 | ug/l | | 85 |
| 77) Bromobenzene | 11.195 | 156 | 91064 | 50.361 | ug/l | | 93 |
| 78) n-propylbenzene | 11.305 | 91 | 398738 | 48.380 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 245736 | 46.103 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 294610 | 47.642 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29397 | 39.990 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 280598 | 47.540 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 304970 | 49.903 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 298601 | 49.168 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 359795 | 48.496 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 308256 | 49.920 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 161456 | 51.117 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 161835 | 49.842 | ug/l | | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 250983 | 48.337 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 46260 | 51.321 | ug/l | | 88 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 163405 | 49.824 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 23513 | 46.766 | ug/l | | 86 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 98627 | 54.853 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 40268 | 55.678 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 348668 | 49.679 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 103555 | 54.300 | ug/l | | 95 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

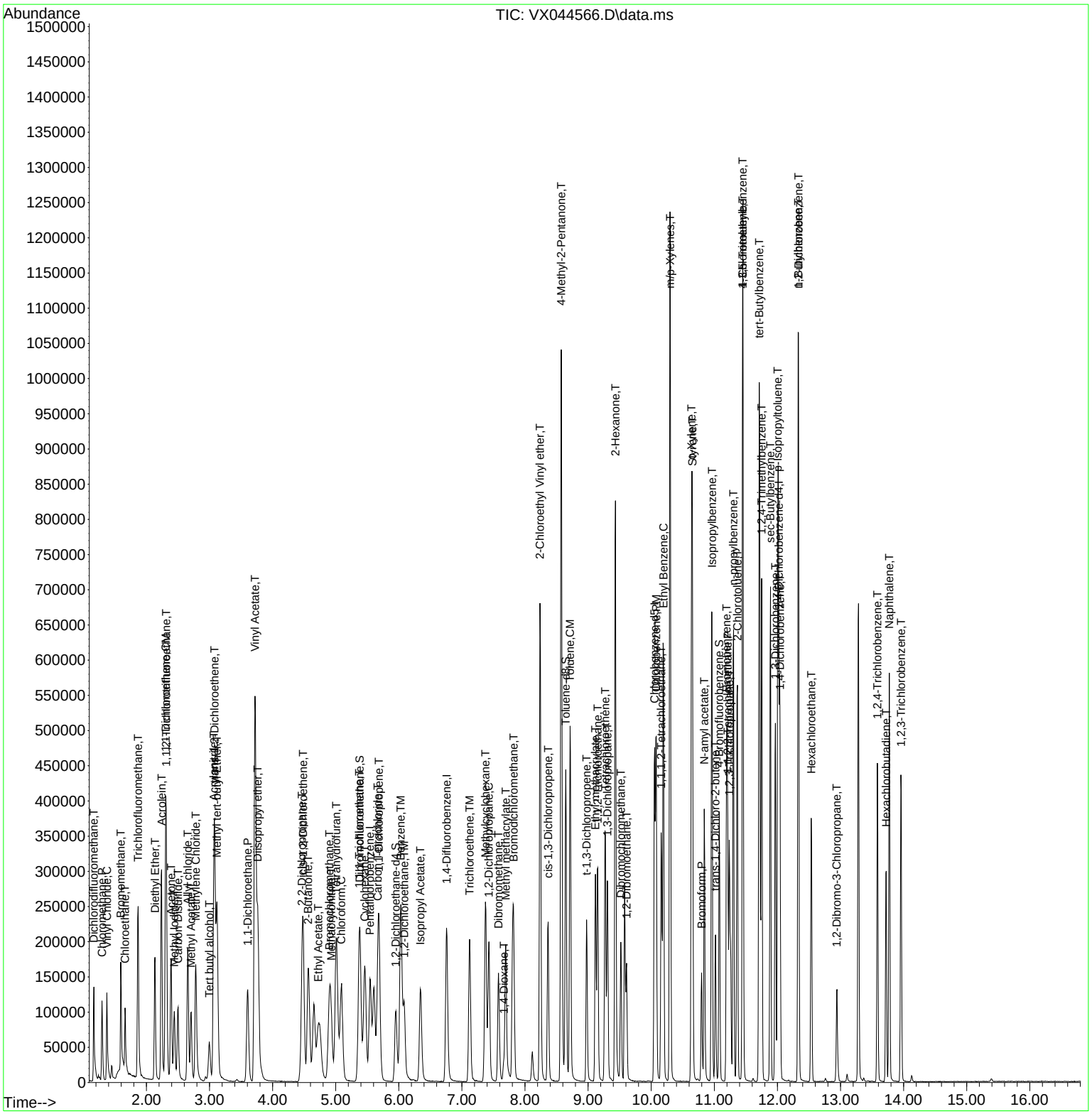
(#) = qualifier out of range (m) = manual integration (+) = signals summed

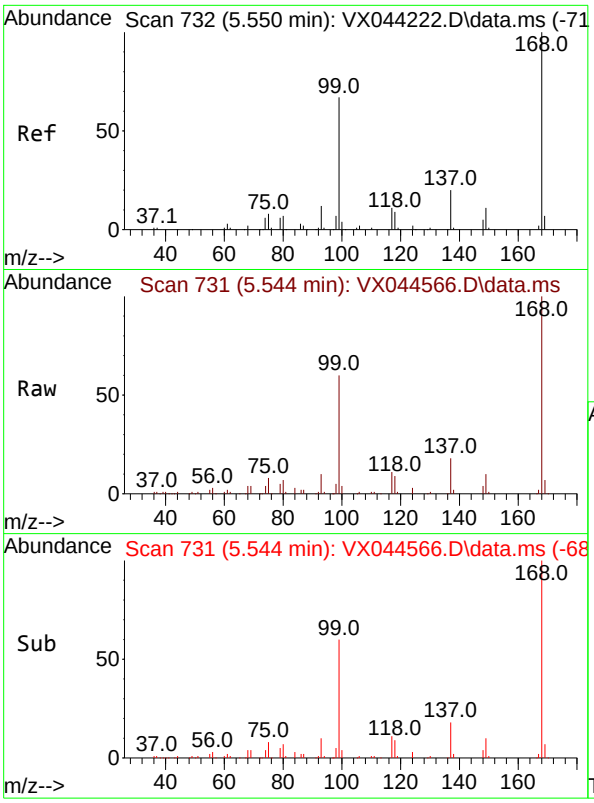
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



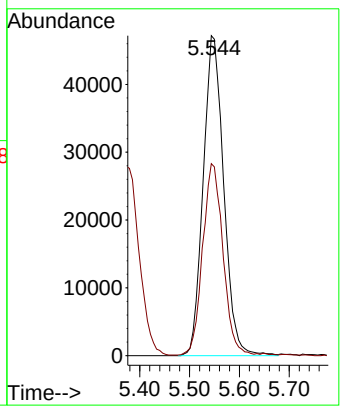


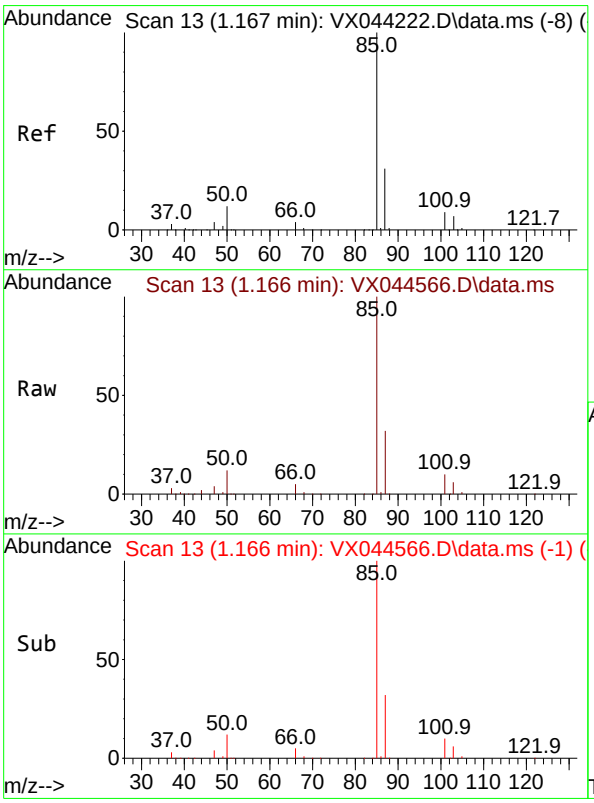

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 134908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 53.4 | 80.0 |

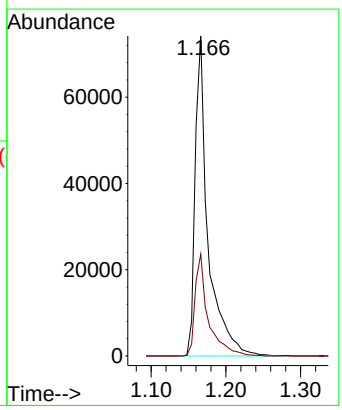


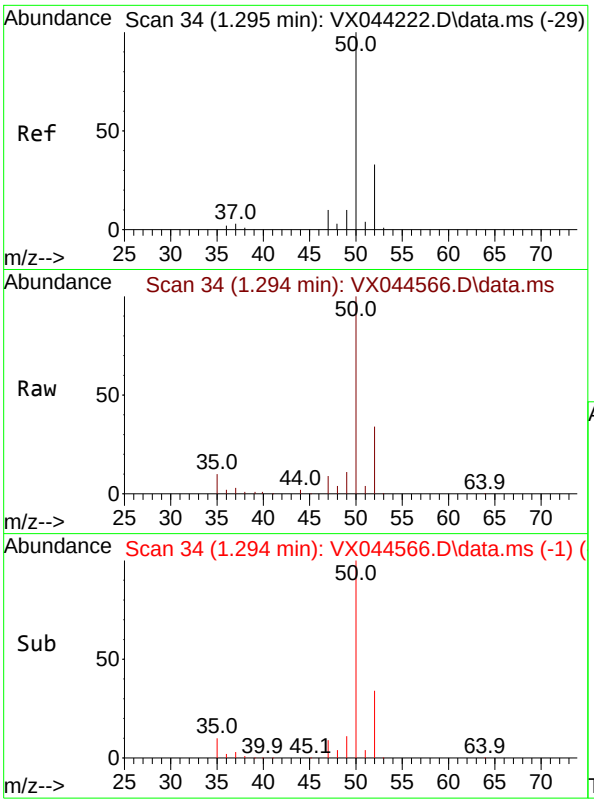




#2
Dichlorodifluoromethane
Concen: 42.412 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 85 Resp: 88473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.8 | 15.4 | 46.4 |



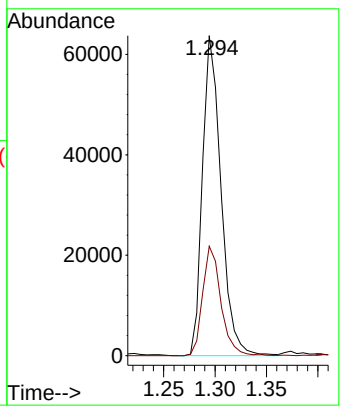


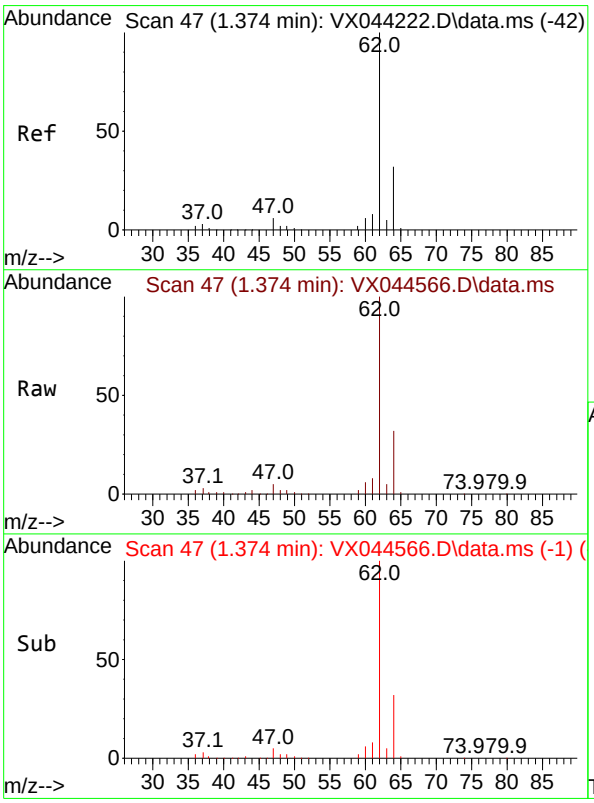

#3
Chloromethane
Concen: 40.211 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 80213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.2 | 26.5 | 39.7 |

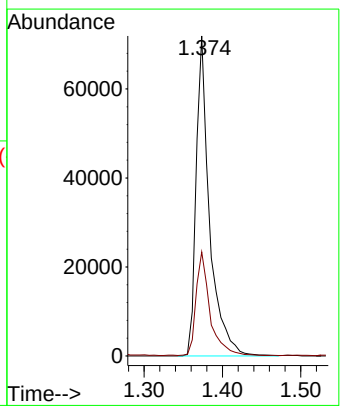


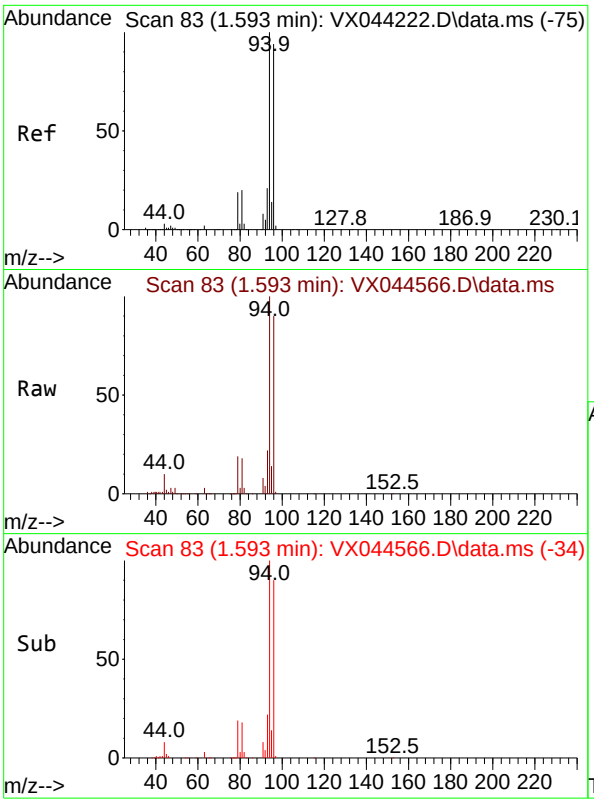




#4
Vinyl Chloride
Concen: 41.376 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 62 Resp: 85988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.4 | 25.7 | 38.5 |



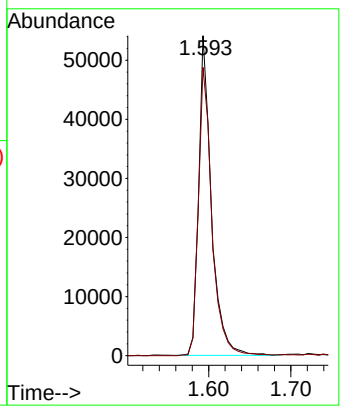


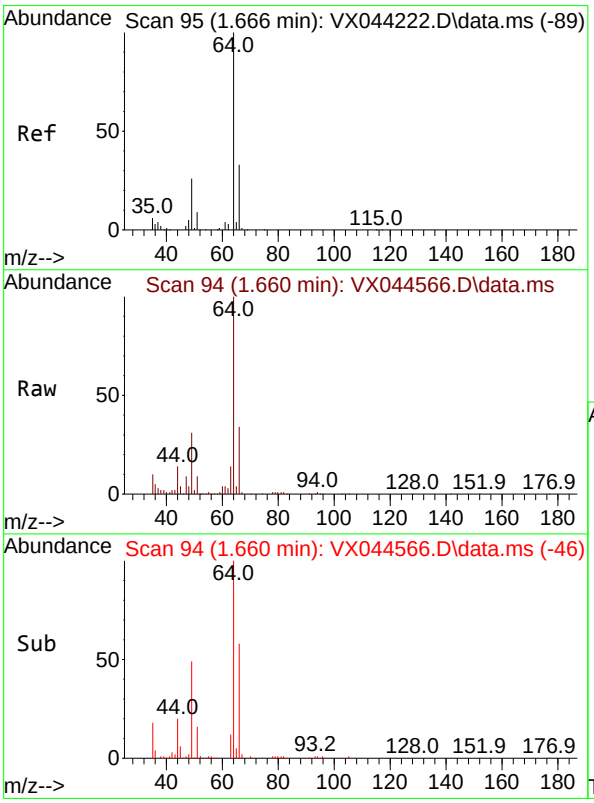

#5
Bromomethane
Concen: 39.669 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 58486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.2 | 74.9 | 112.3 |

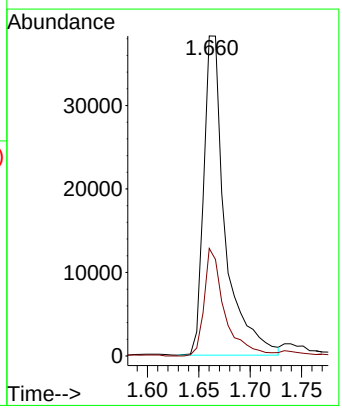


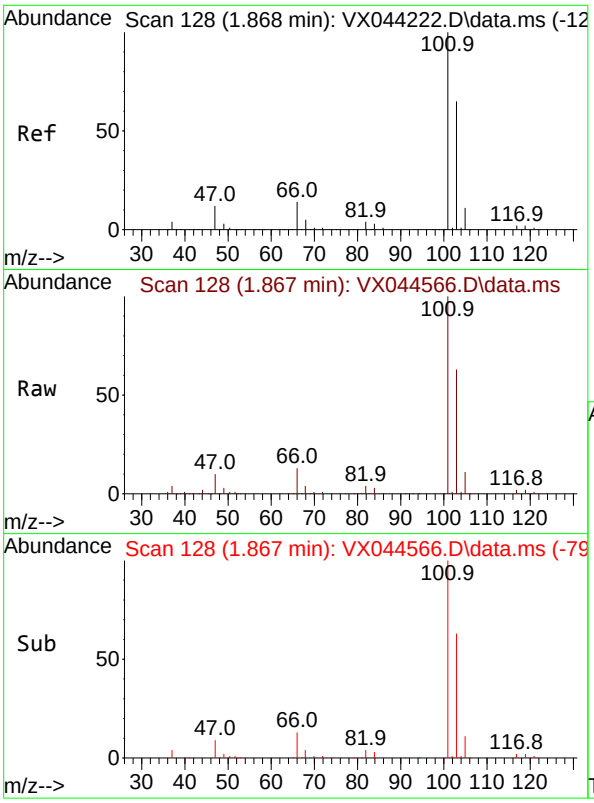




#6
Chloroethane
Concen: 42.857 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 64 Resp: 55460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.7 | 26.6 | 39.8 |



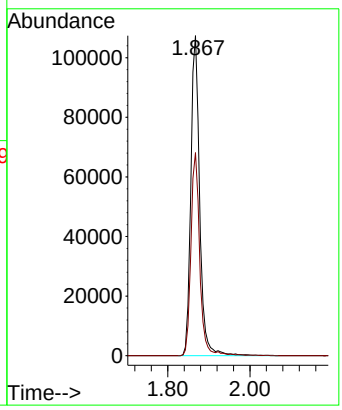


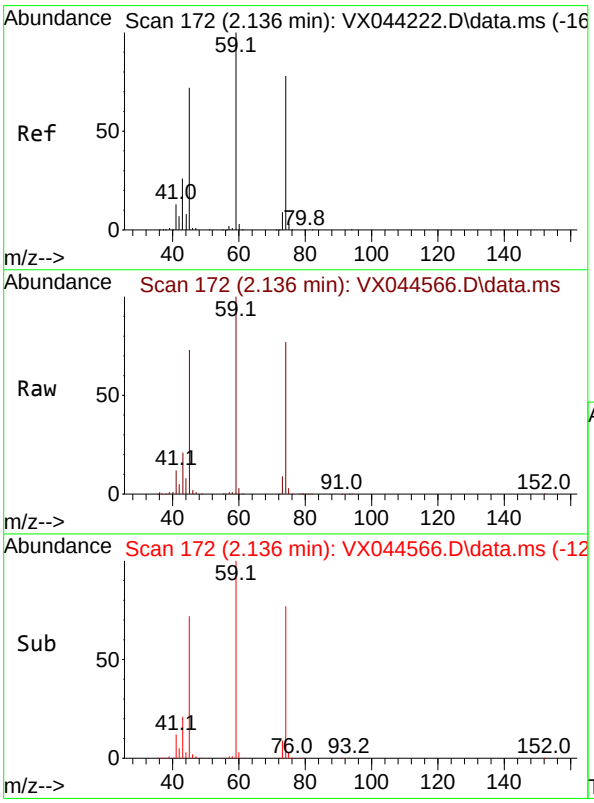

#7
Trichlorofluoromethane
Concen: 39.375 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 160196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |

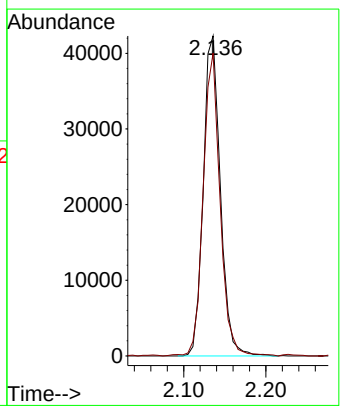


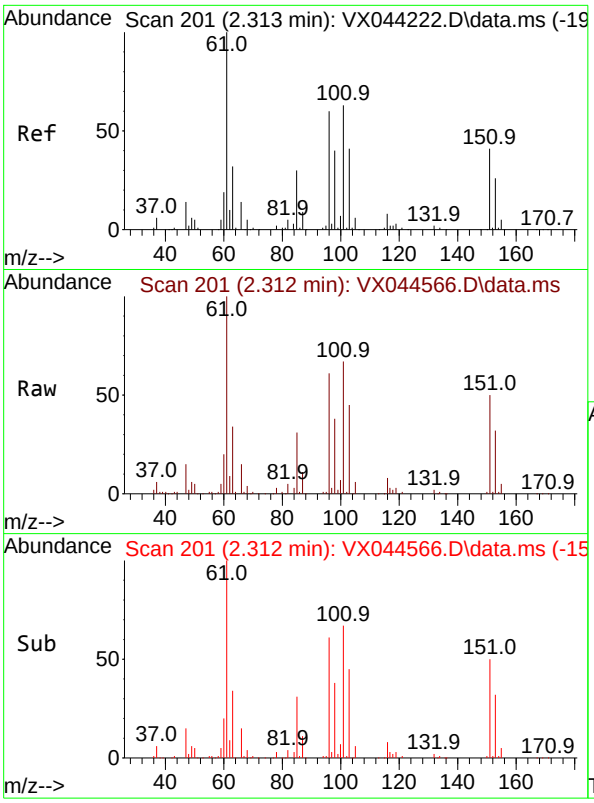




#8
Diethyl Ether
Concen: 43.886 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 74 Resp: 60946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 93.8 | 48.4 | 145.0 |



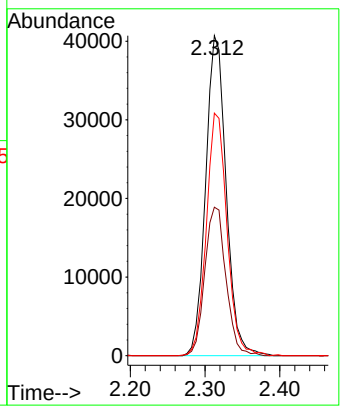


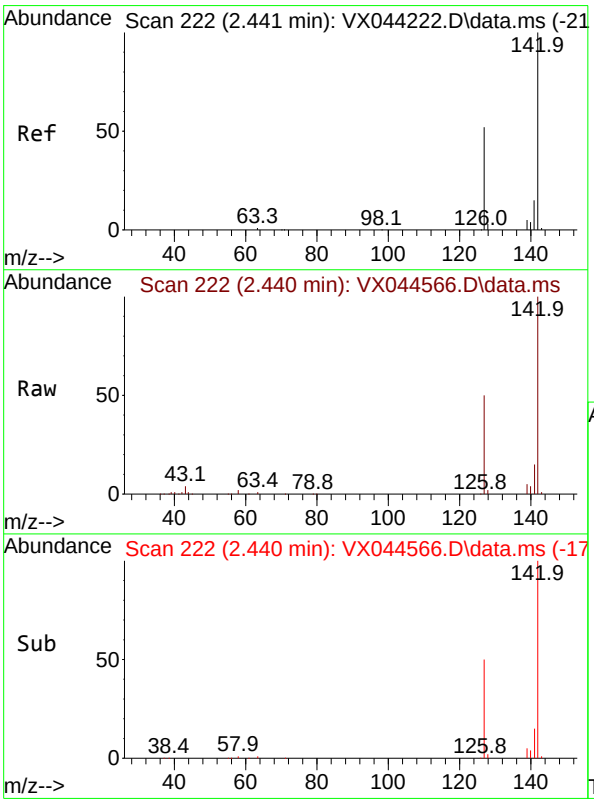

#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.148 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 77621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.8 | 38.5 | 57.7 |
| 151 | 76.4 | 55.8 | 83.6 |

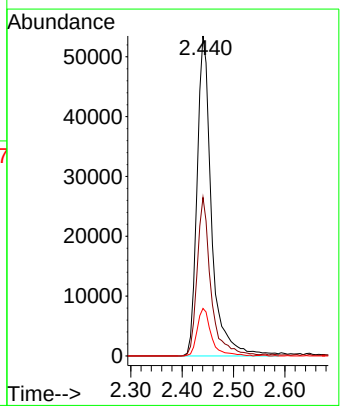


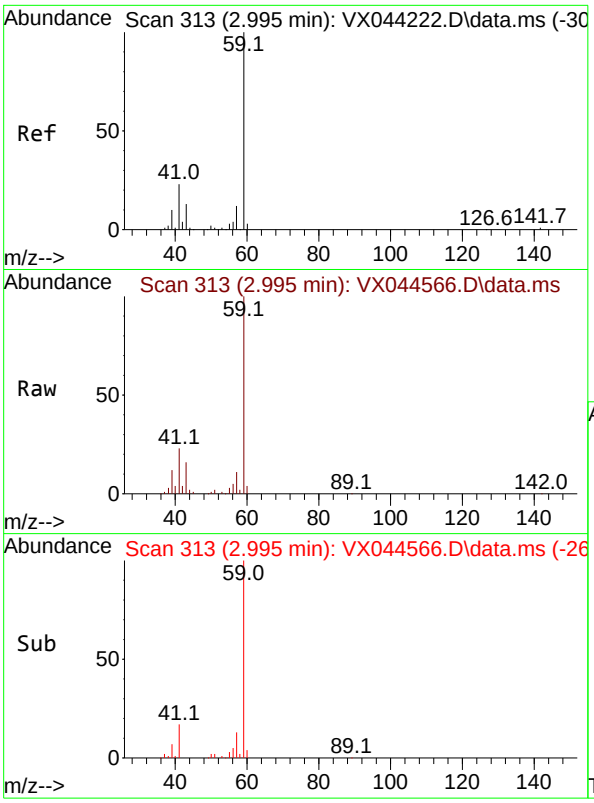




#10
Methyl Iodide
Concen: 48.249 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:142 Resp: 104691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.3 | 41.8 | 62.8 |
| 141 | 14.6 | 11.5 | 17.3 |



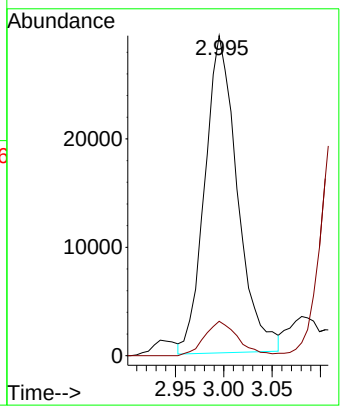


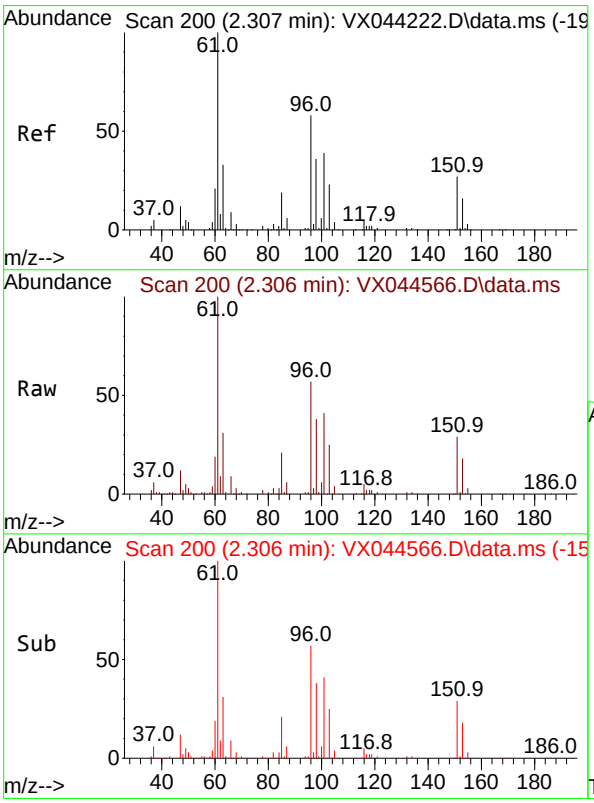

#11
Tert butyl alcohol
Concen: 205.729 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 68583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.1 | 8.8 | 13.2 |

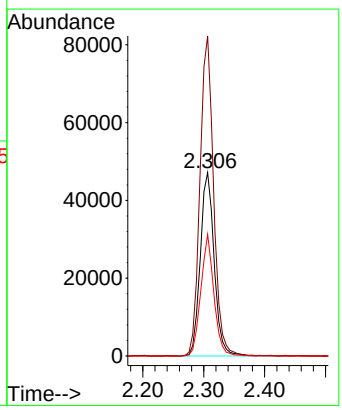


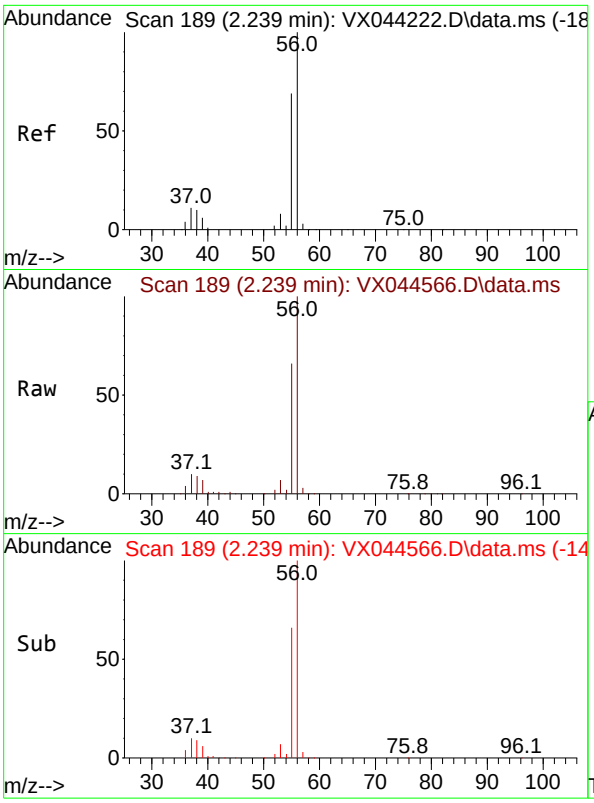




#12
1,1-Dichloroethene
Concen: 49.435 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 96 Resp: 74754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.6 | 138.0 | 207.0 |
| 98 | 66.3 | 50.0 | 75.0 |



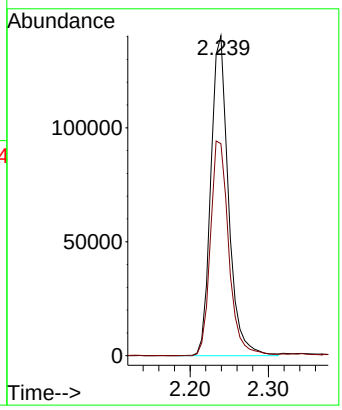


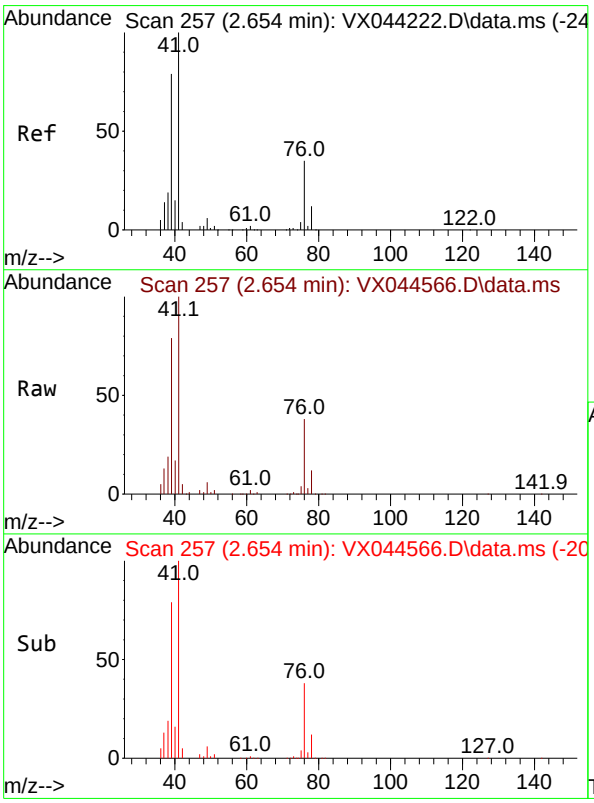

#13
Acrolein
Concen: 454.411 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 219281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 56.6 | 84.8 |

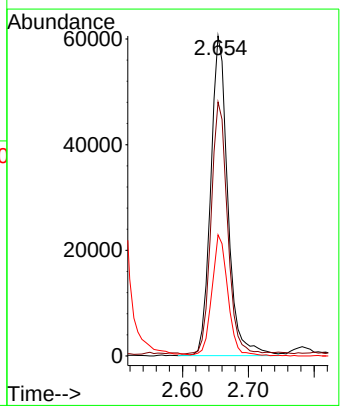


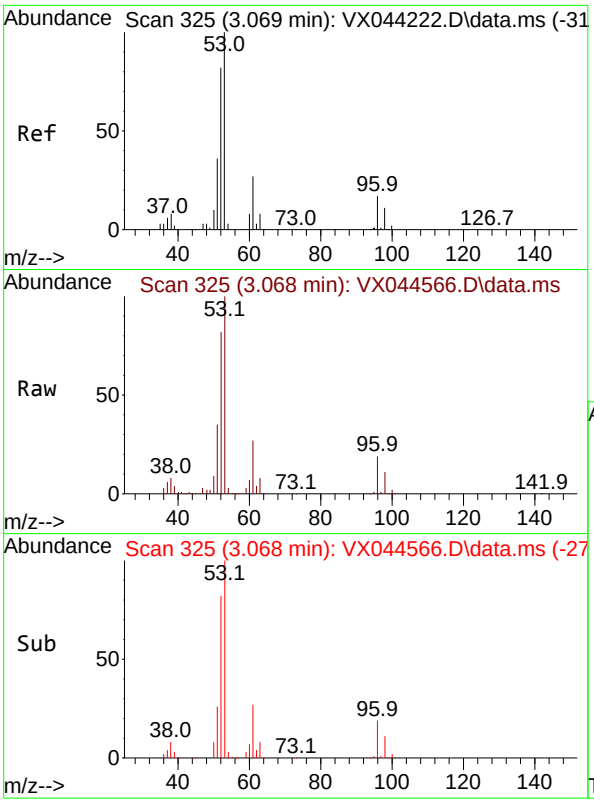




#14
Allyl chloride
Concen: 43.612 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 41 Resp: 109846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.8 | 61.9 | 92.9 |
| 76 | 35.0 | 27.4 | 41.2 |



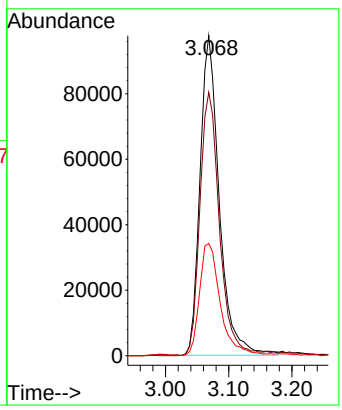


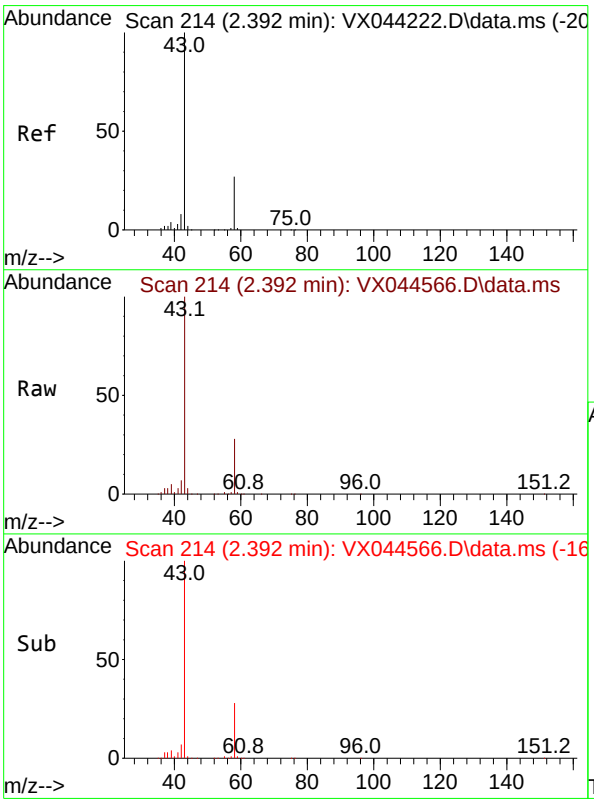

#15
Acrylonitrile
Concen: 223.794 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 206660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 67.4 | 101.0 |
| 51 | 38.1 | 30.3 | 45.5 |

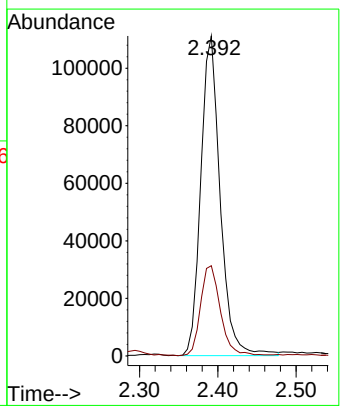


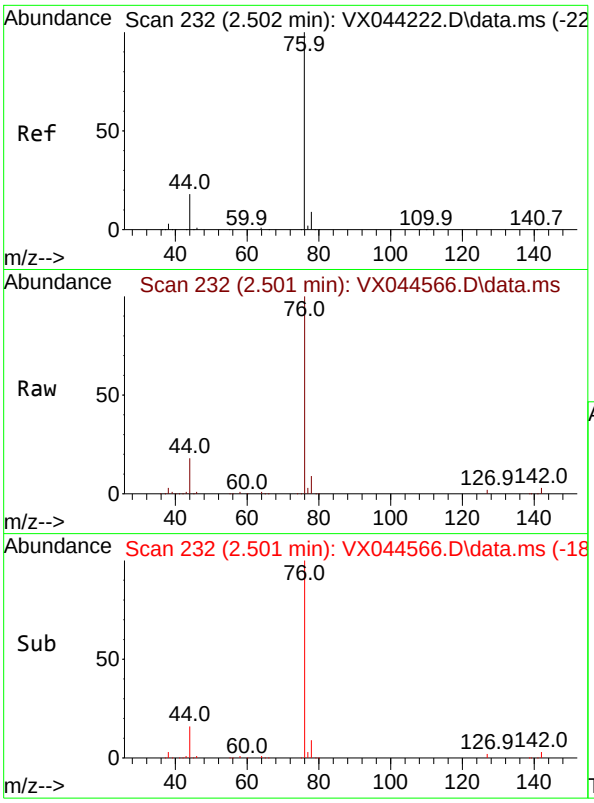




#16
Acetone
Concen: 198.438 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 191360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.1 | 21.6 | 32.4 |



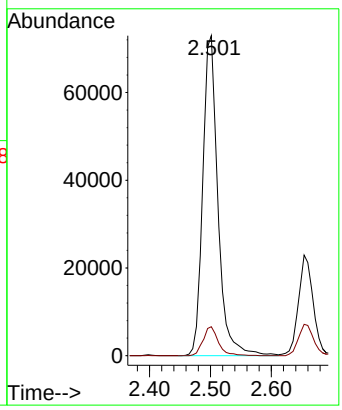


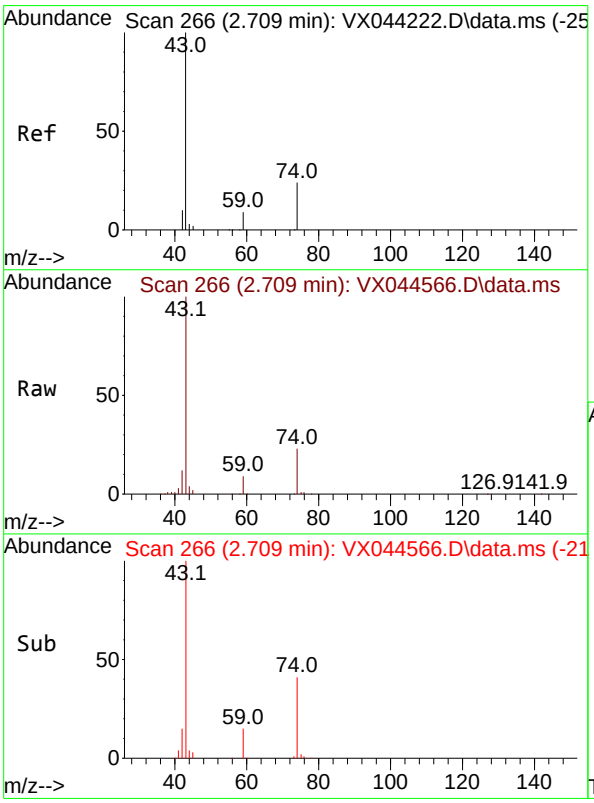

#17
Carbon Disulfide
Concen: 43.956 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 126347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.4 | 11.0 |

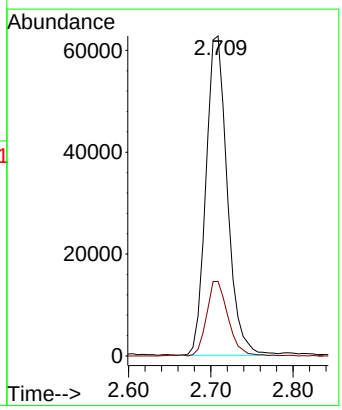


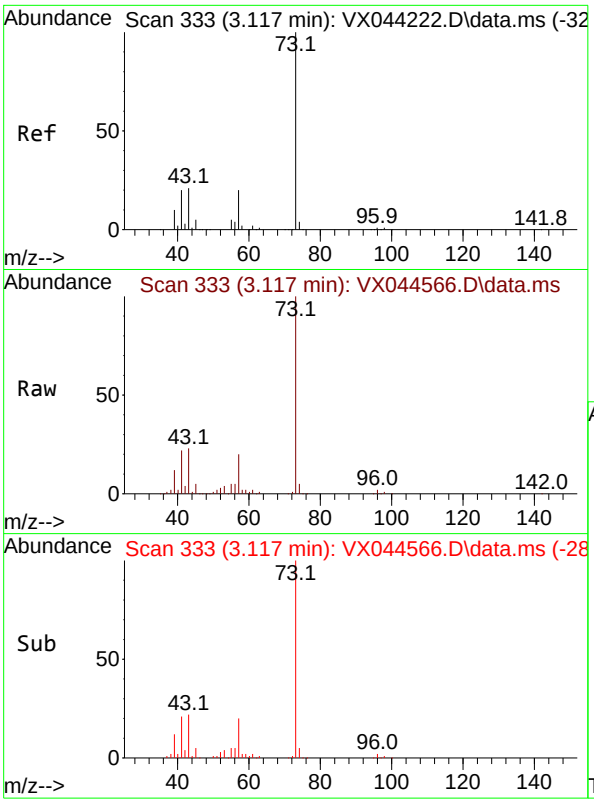




#18
Methyl Acetate
Concen: 45.622 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 113435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 17.7 | 26.5 |



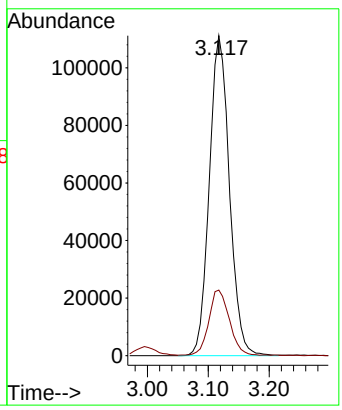


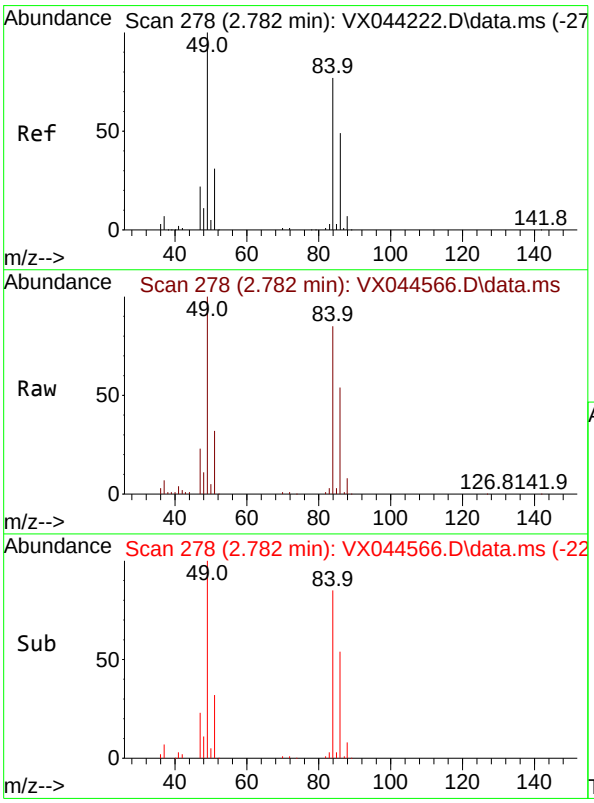

#19
Methyl tert-butyl Ether
Concen: 43.259 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 255271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.4 | 16.2 | 24.4 |

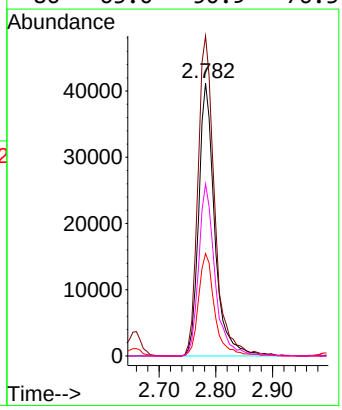


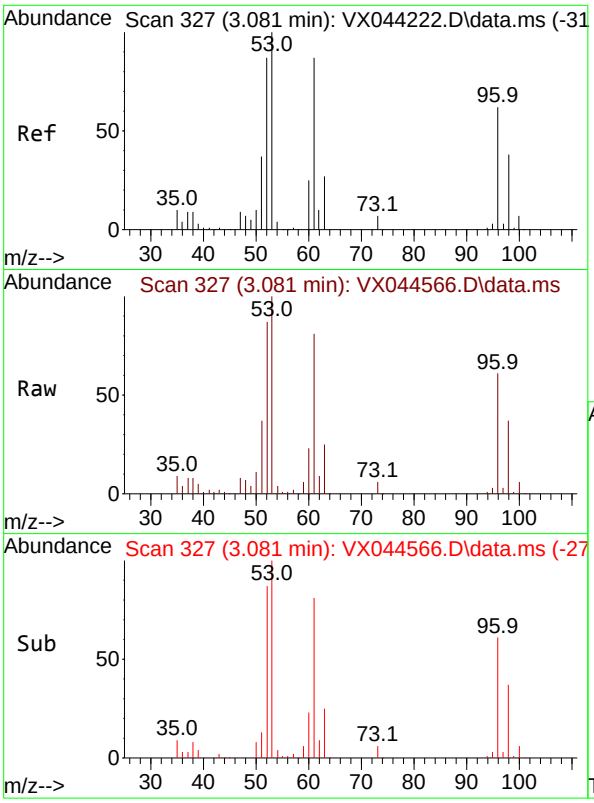




#20
Methylene Chloride
Concen: 44.561 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 84 Resp: 80711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.3 | 104.2 | 156.4 |
| 51 | 37.6 | 32.2 | 48.4 |
| 86 | 63.0 | 50.9 | 76.3 |



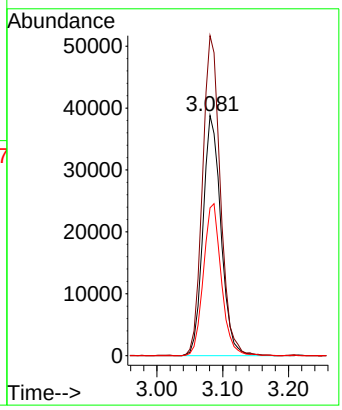


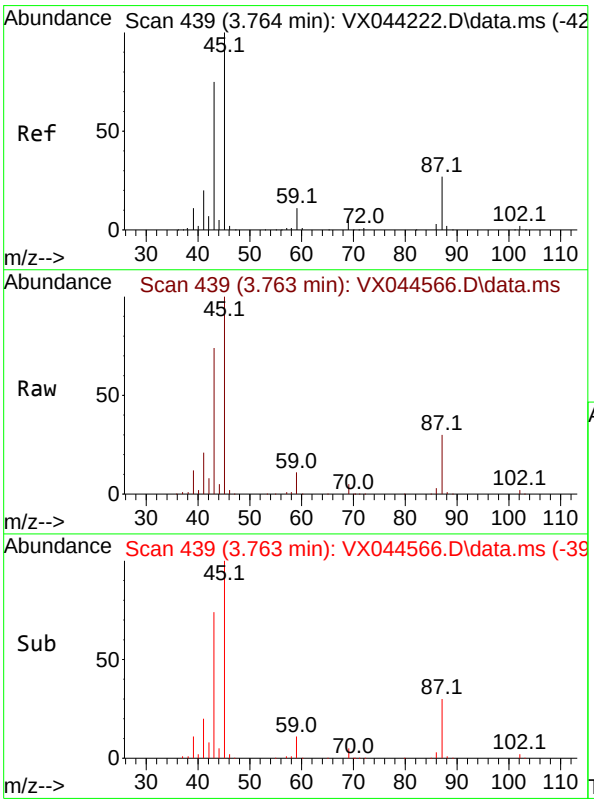

#21
trans-1,2-Dichloroethene
Concen: 45.785 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 73581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.2 | 112.0 | 168.0 |
| 98 | 61.6 | 48.8 | 73.2 |

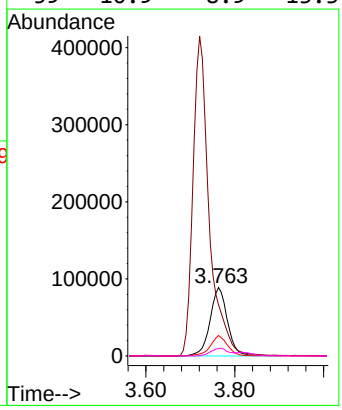


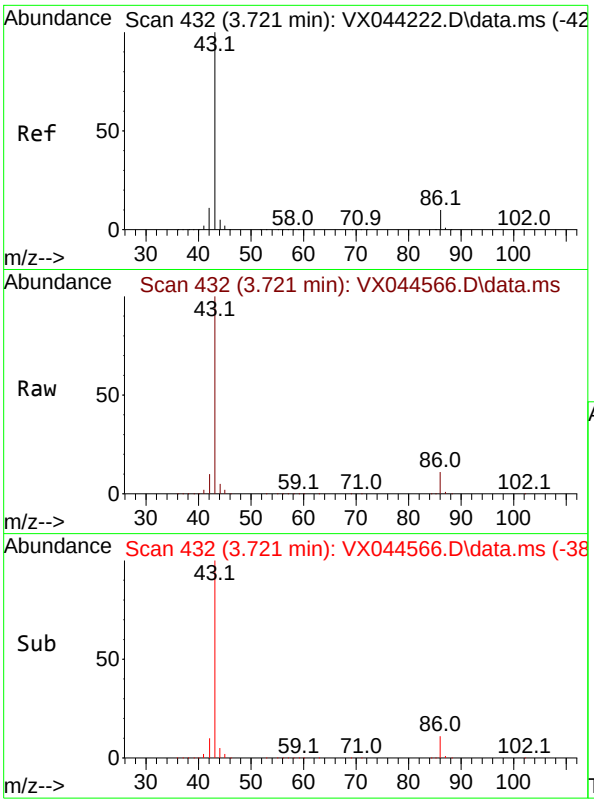




#22
Diisopropyl ether
Concen: 42.621 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 45 Resp: 241729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 74.2 | 60.2 | 90.2 |
| 87 | 29.9 | 21.2 | 31.8 |
| 59 | 10.9 | 8.9 | 13.3 |



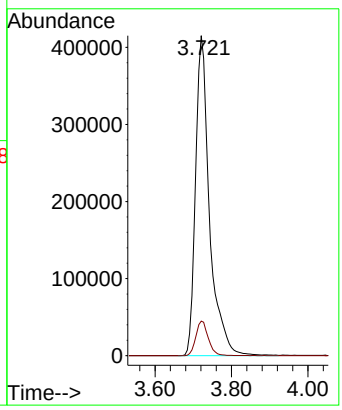


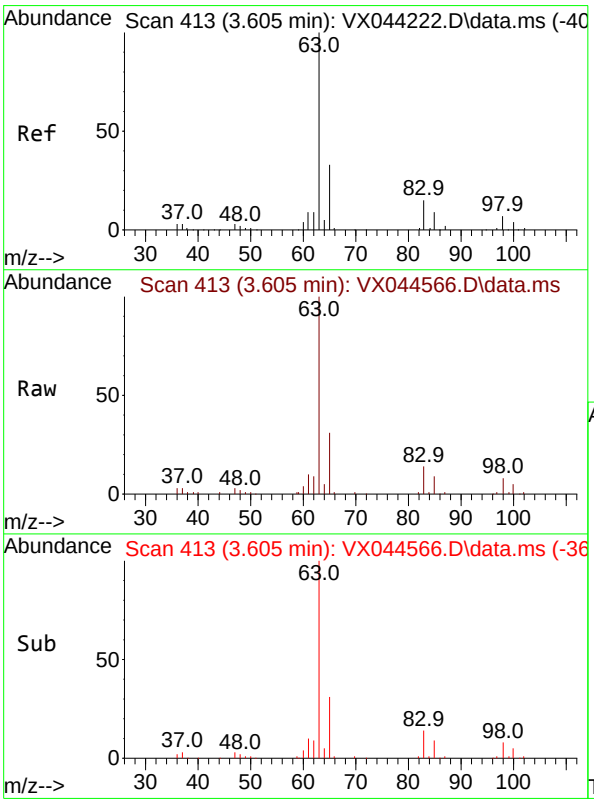

#23
Vinyl Acetate
Concen: 228.196 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1052226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.2 | 12.2 |

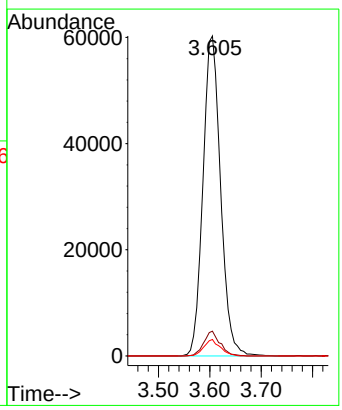


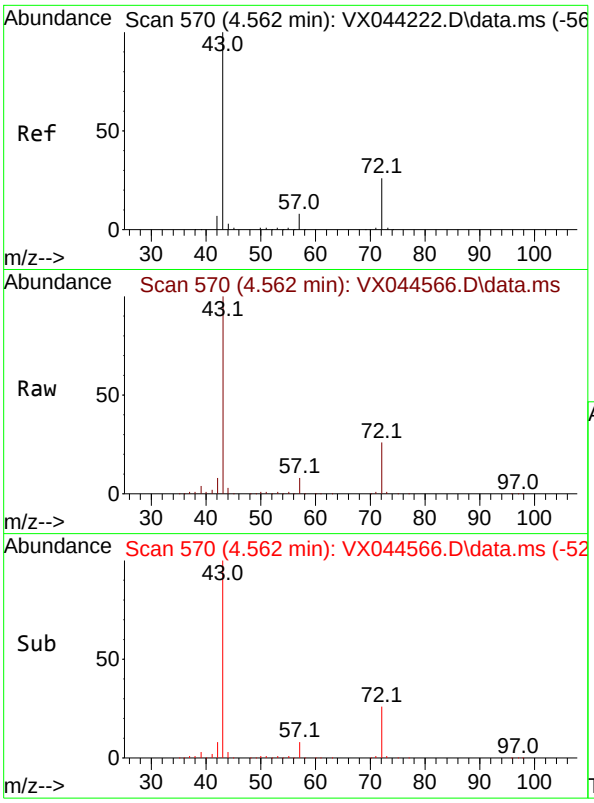




#24
1,1-Dichloroethane
Concen: 45.434 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 63 Resp: 143640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.7 | 3.6 | 10.8 |
| 100 | 5.2 | 2.1 | 6.3 |



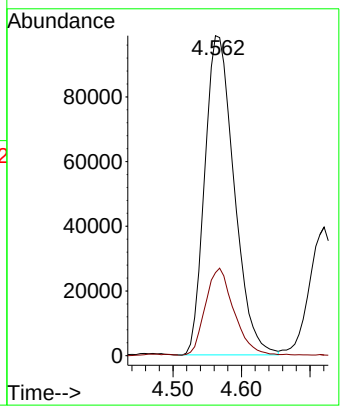


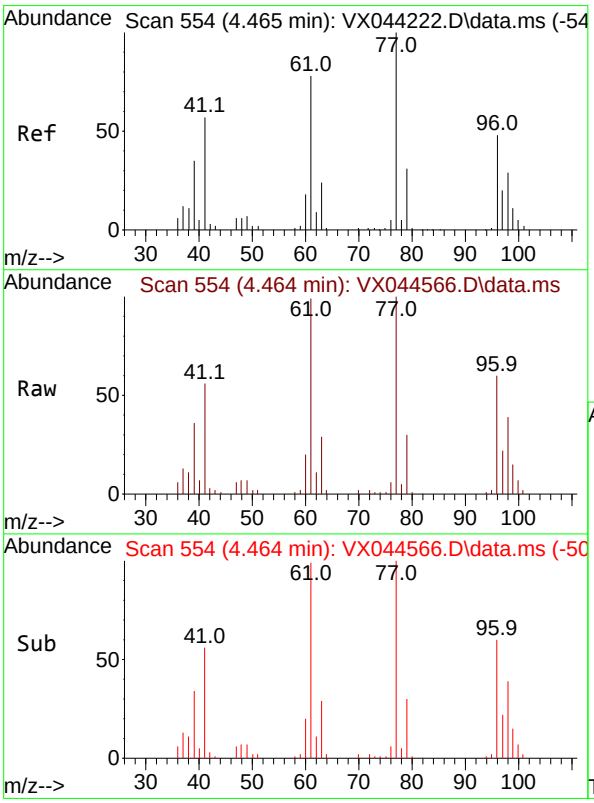

#25
2-Butanone
Concen: 214.237 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 293704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.8 | 20.2 | 30.4 |

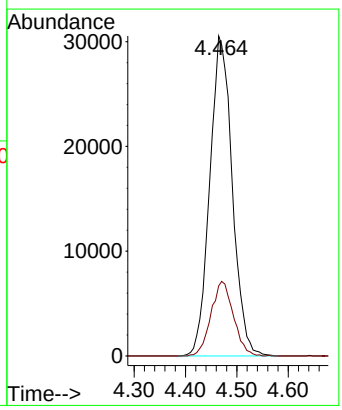


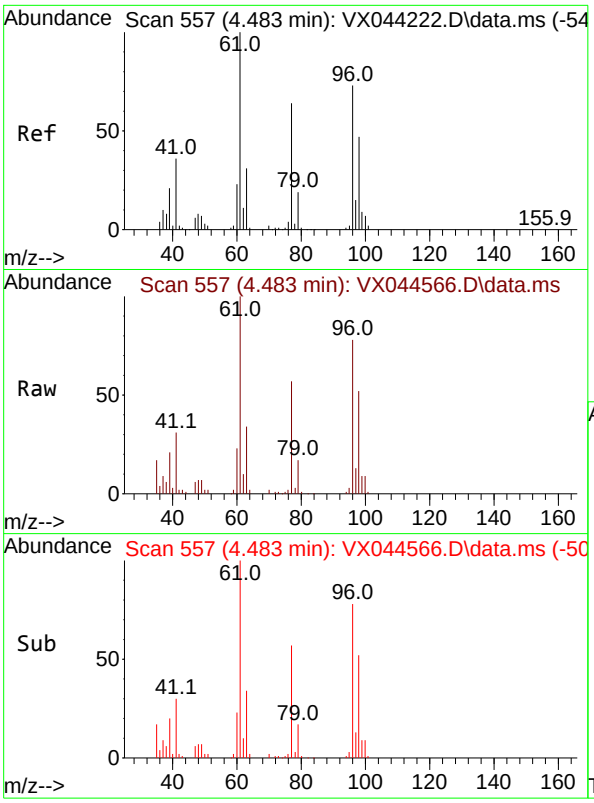




#26
2,2-Dichloropropane
Concen: 36.132 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 77 Resp: 92800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.3 | 10.7 | 32.1 |



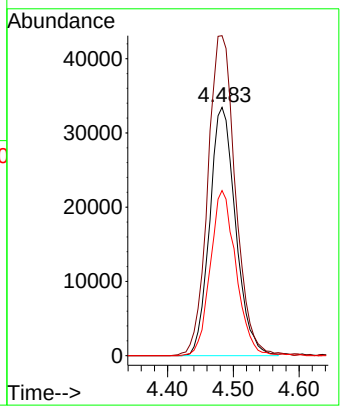


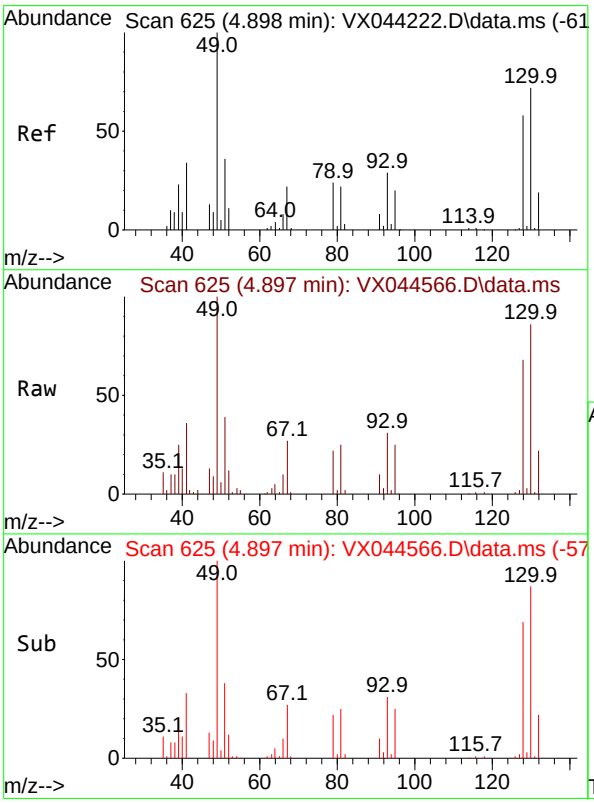

#27
cis-1,2-Dichloroethene
Concen: 45.097 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 92046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.8 | 0.0 | 299.0 |
| 98 | 65.9 | 0.0 | 129.0 |

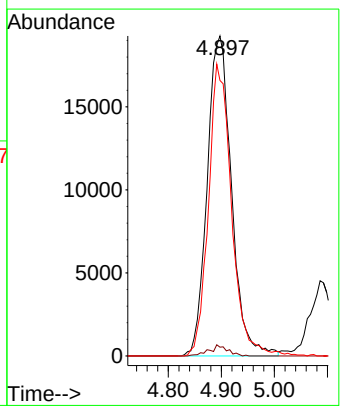


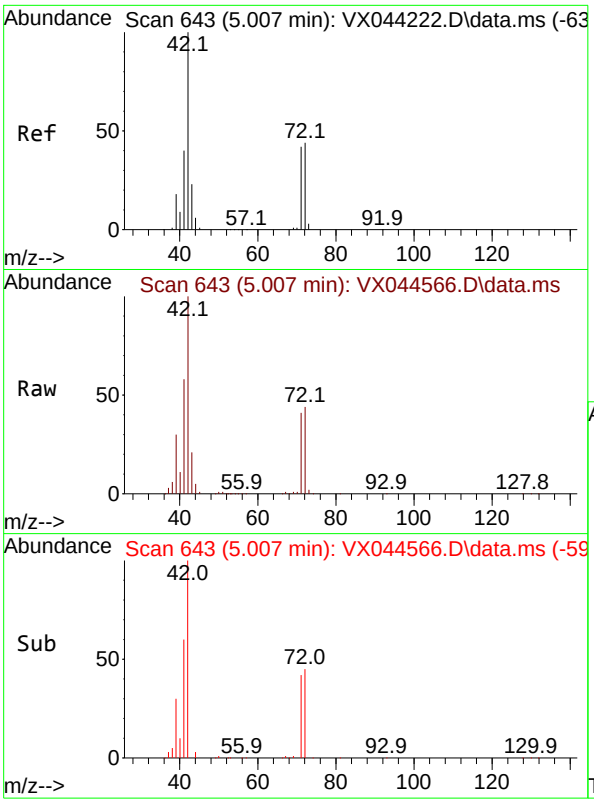




#28
Bromochloromethane
Concen: 39.585 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 49 Resp: 61368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.6 | 0.0 | 4.2 |
| 130 | 86.1 | 62.1 | 93.1 |



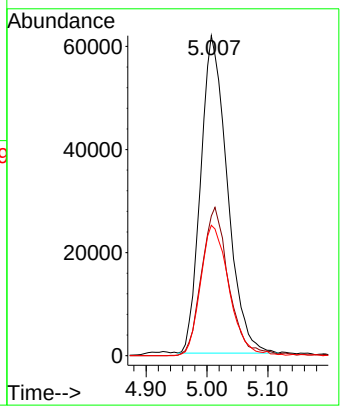


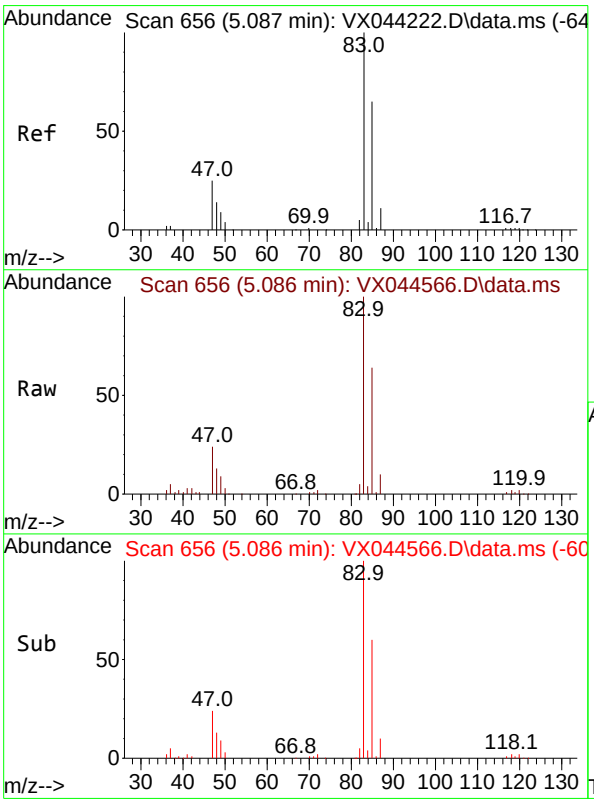

#29
Tetrahydrofuran
Concen: 212.969 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 187403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 47.4 | 37.0 | 55.6 |
| 71 | 43.8 | 33.6 | 50.4 |

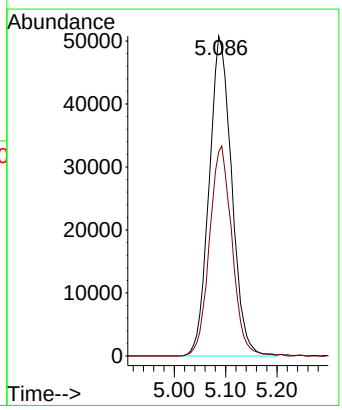


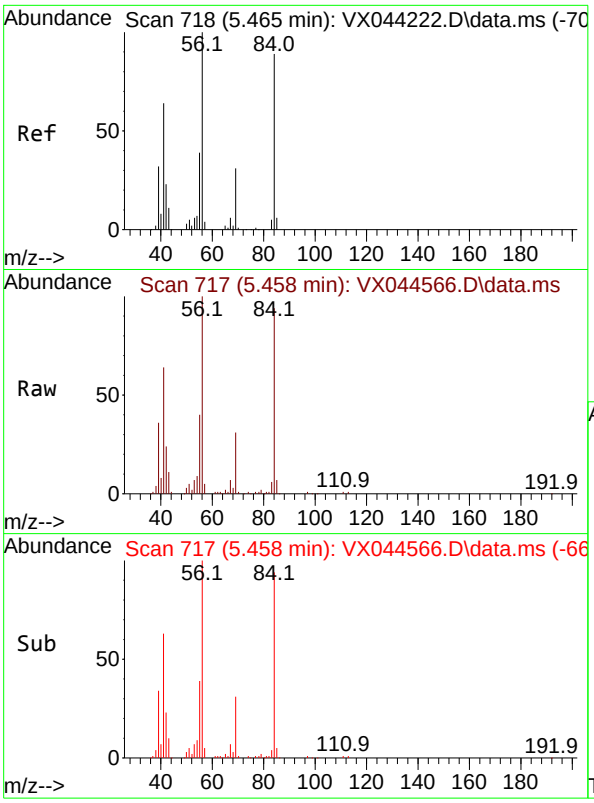




#30
Chloroform
Concen: 43.510 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 83 Resp: 154551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.7 | 51.6 | 77.4 |



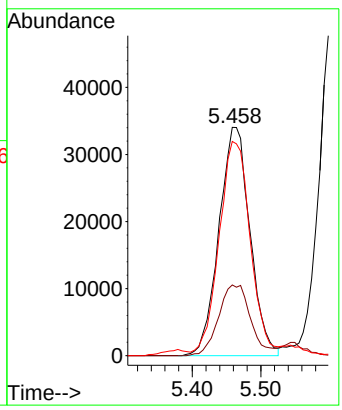


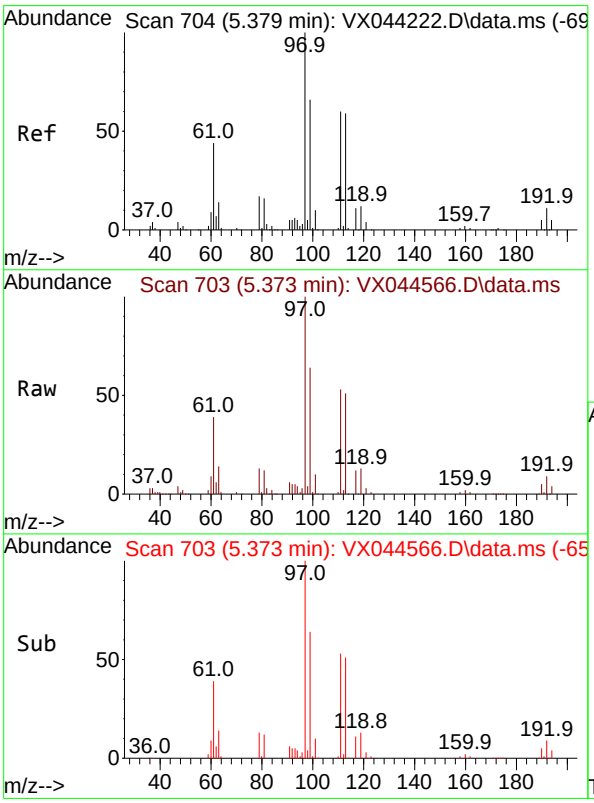

#31
Cyclohexane
Concen: 41.915 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 107006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 24.7 | 37.1 |
| 84 | 91.1 | 71.0 | 106.6 |

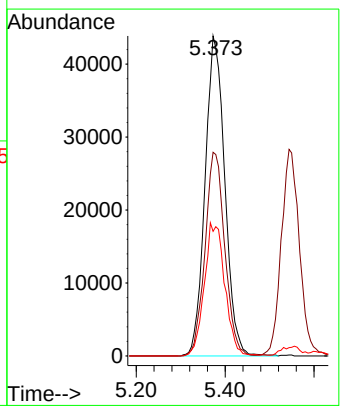


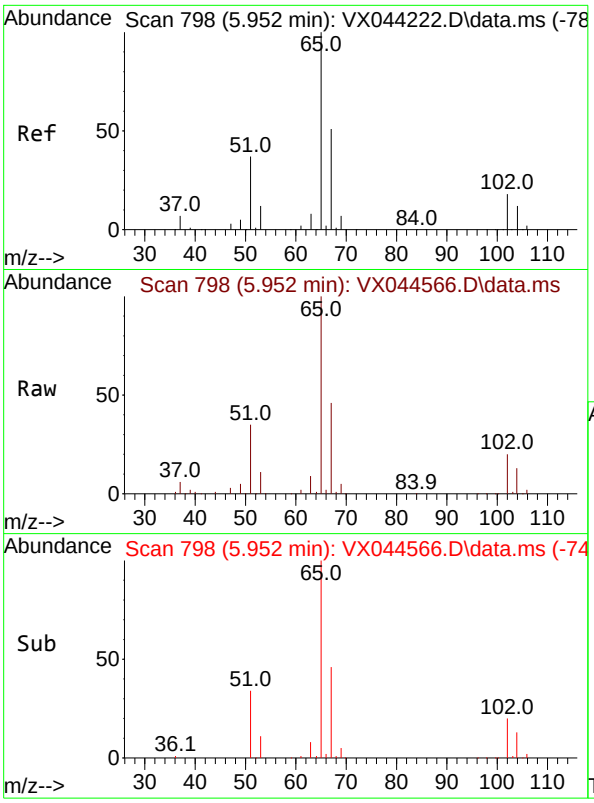




#32
1,1,1-Trichloroethane
Concen: 46.002 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 97 Resp: 135637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 50.8 | 76.2 |
| 61 | 43.3 | 35.2 | 52.8 |



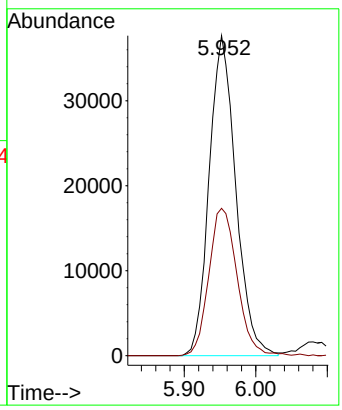


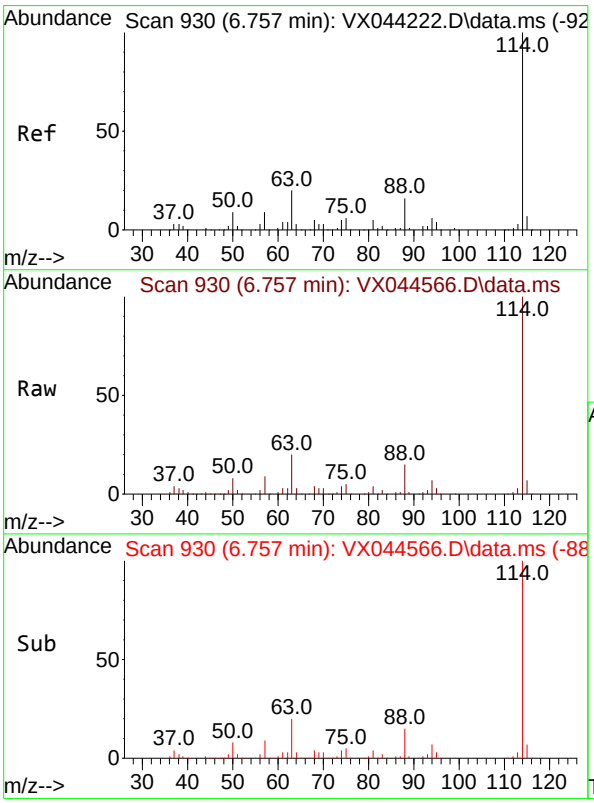

#33
1,2-Dichloroethane-d4
Concen: 41.150 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 97335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.0 | 0.0 | 101.6 |

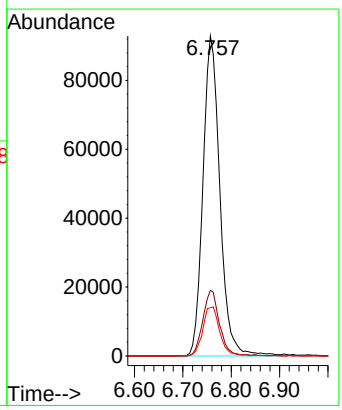


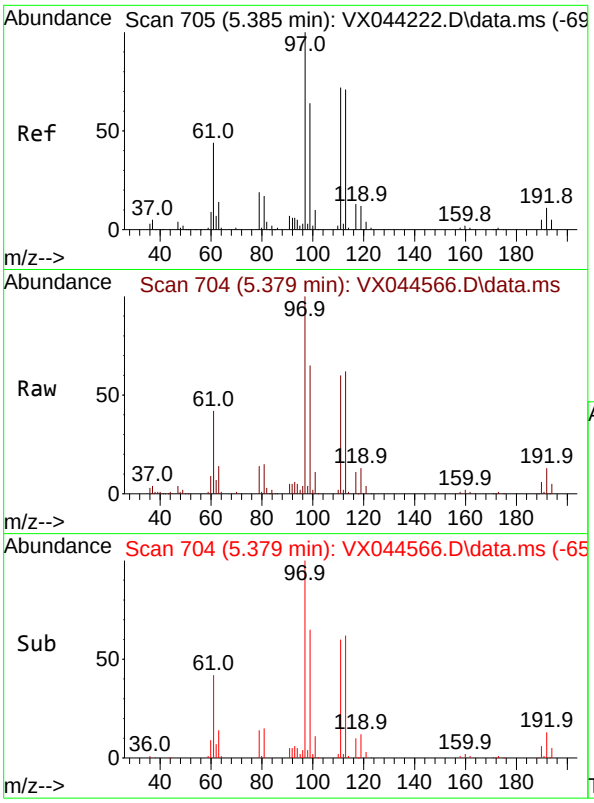




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:114 Resp: 225955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 40.6 |
| 88 | 15.0 | 0.0 | 31.8 |



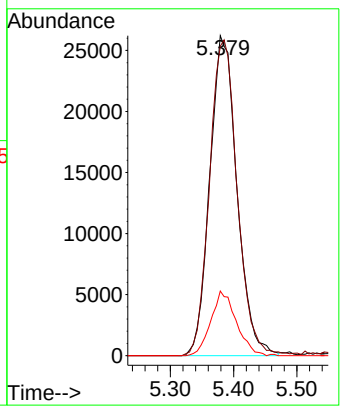


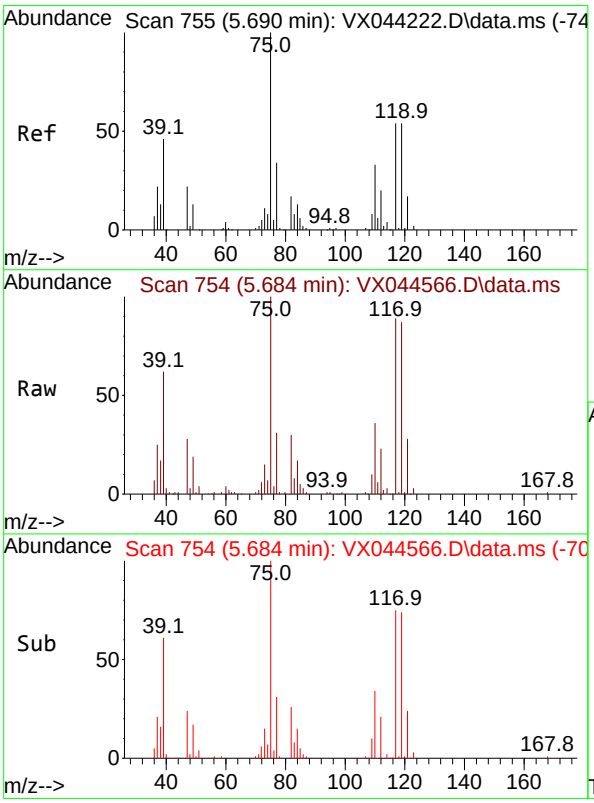

#35
Dibromofluoromethane
Concen: 49.905 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 78099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 80.4 | 120.6 |
| 192 | 18.9 | 13.3 | 19.9 |

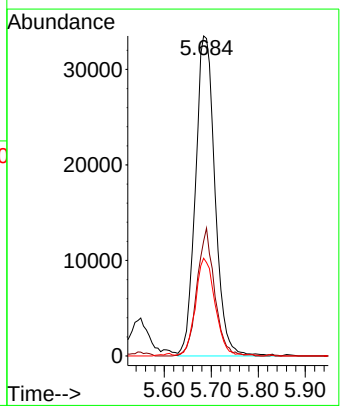


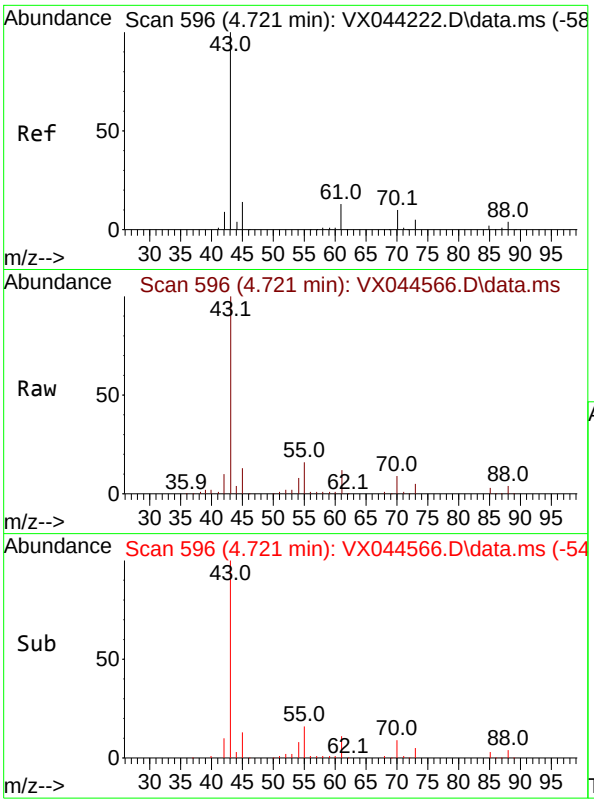




#36
1,1-Dichloropropene
Concen: 47.753 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 96599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.1 | 17.3 | 51.7 |
| 77 | 31.1 | 25.4 | 38.0 |



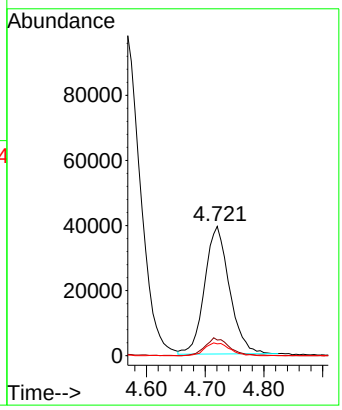


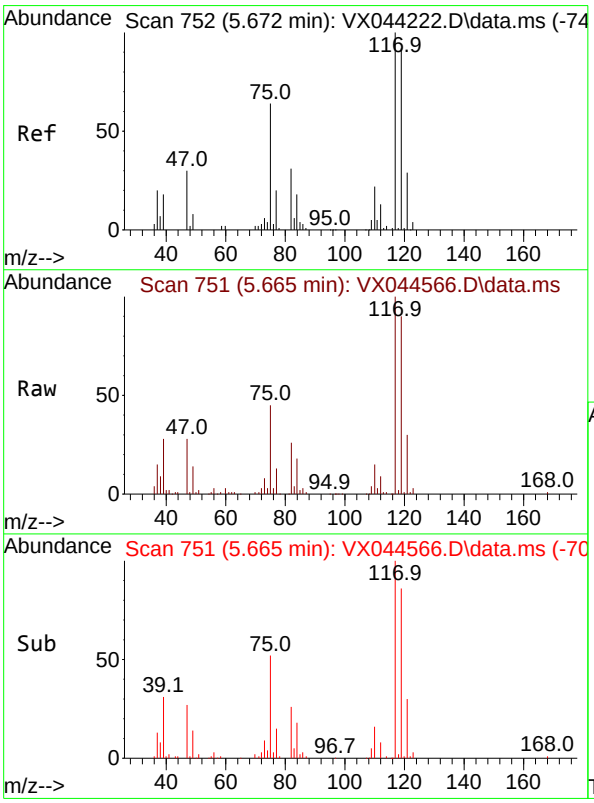

#37
Ethyl Acetate
Concen: 46.024 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 115086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.6 | 9.8 | 14.8 |
| 70 | 10.0 | 7.7 | 11.5 |

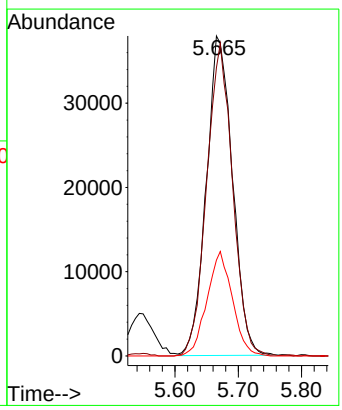


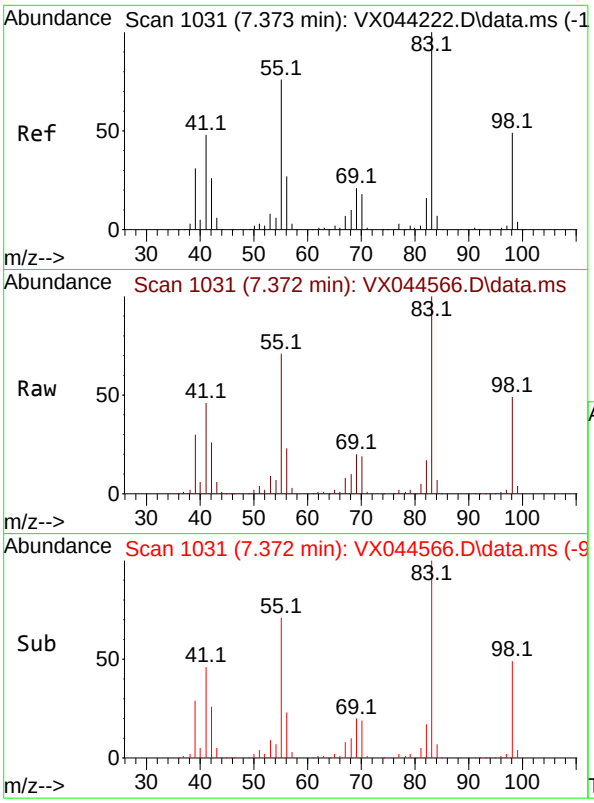




#38
Carbon Tetrachloride
Concen: 50.199 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 109326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.1 | 74.2 | 111.4 |
| 121 | 30.0 | 23.0 | 34.6 |



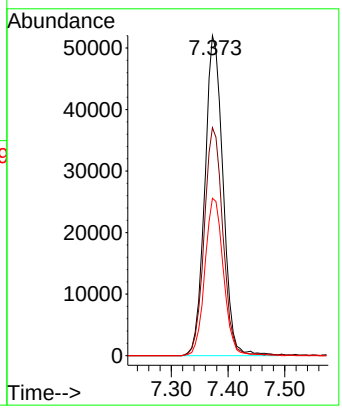


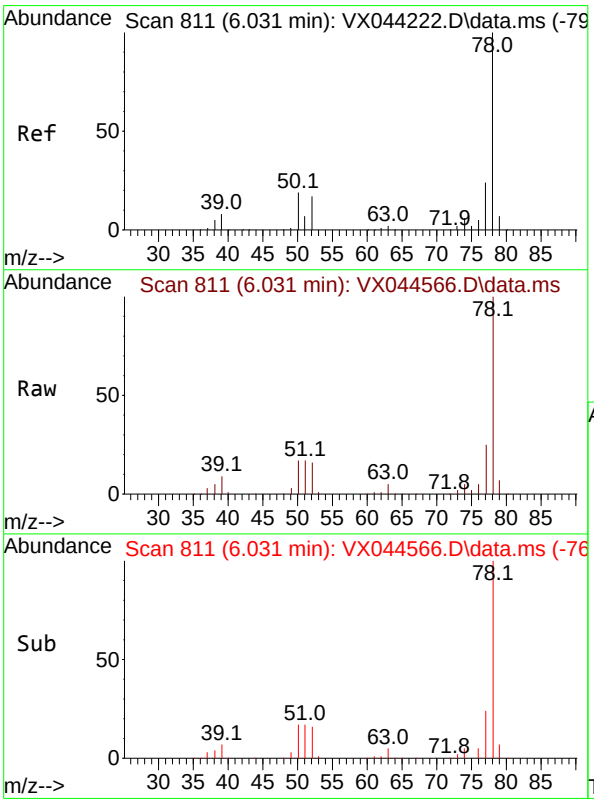

#39
Methylcyclohexane
Concen: 47.948 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 115954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.3 | 60.7 | 91.1 |
| 98 | 49.2 | 38.9 | 58.3 |

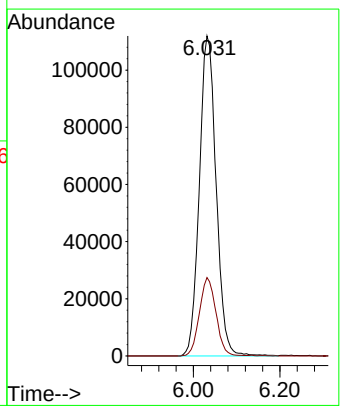


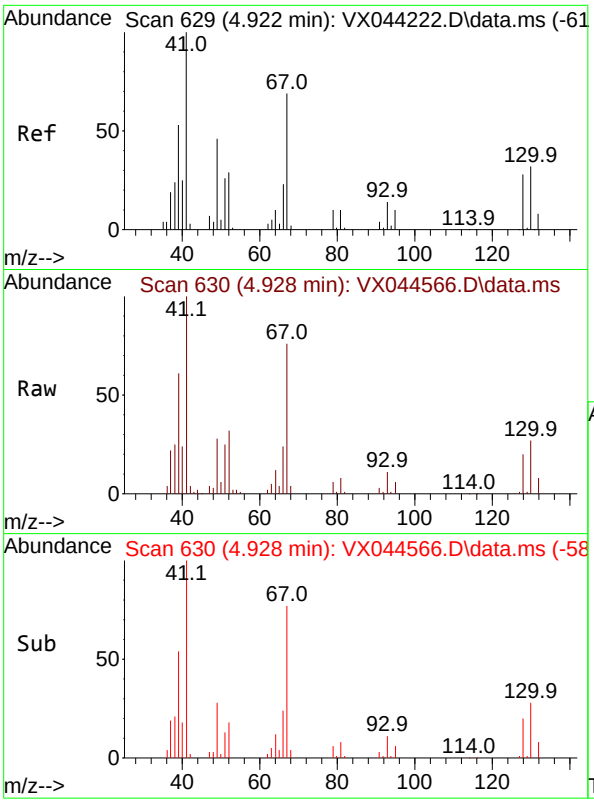




#40
Benzene
Concen: 49.074 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 78 Resp: 301408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 19.3 | 28.9 |



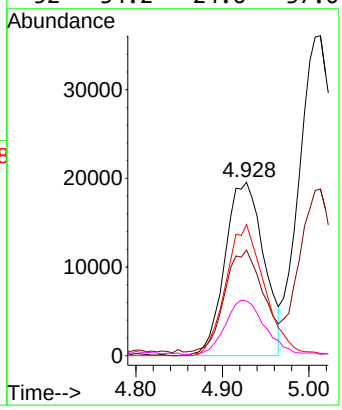


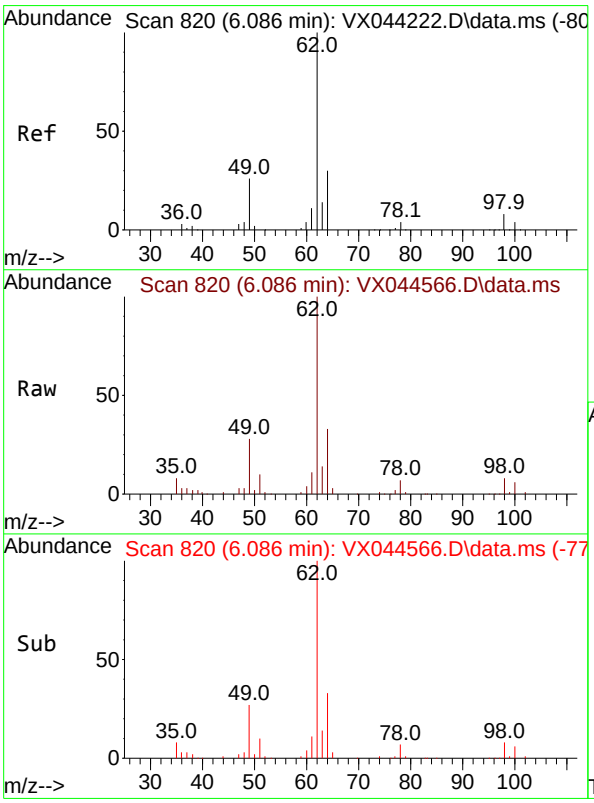

#41
Methacrylonitrile
Concen: 46.035 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 61126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.9 | 44.2 | 66.4 |
| 67 | 76.4 | 57.2 | 85.8 |
| 52 | 34.2 | 24.6 | 37.0 |

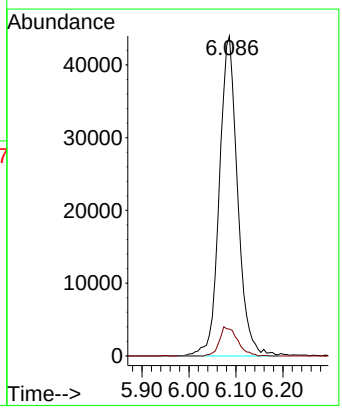


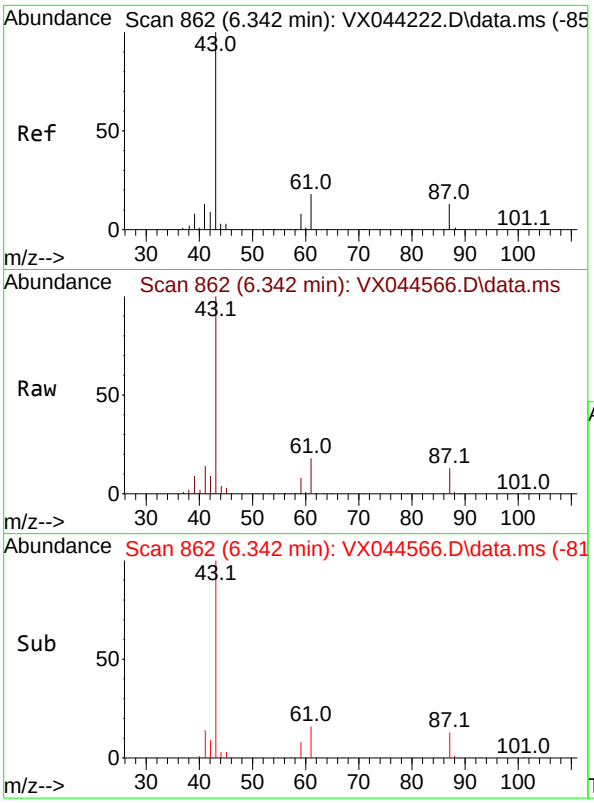




#42
1,2-Dichloroethane
Concen: 46.987 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 62 Resp: 118878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 15.8 |



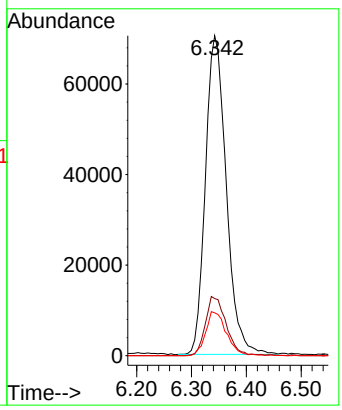


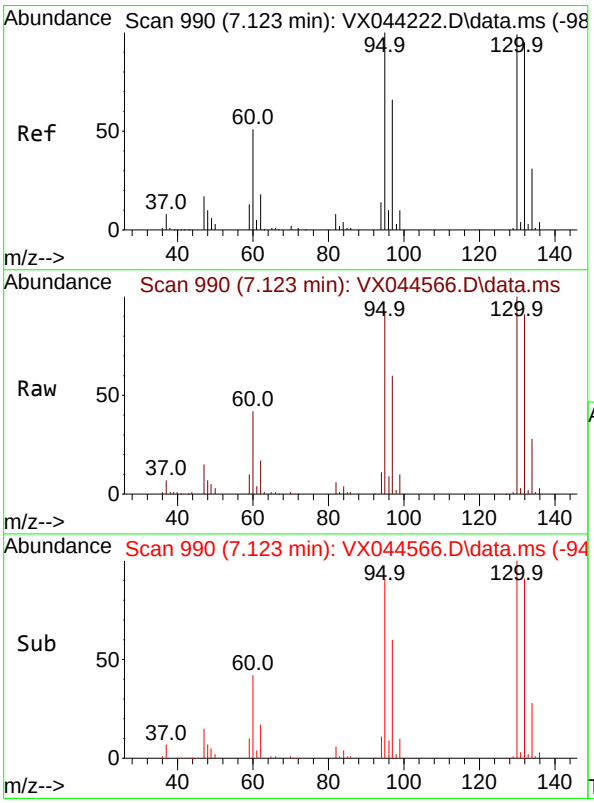

#43
Isopropyl Acetate
Concen: 47.508 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 185677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.2 | 21.2 |
| 87 | 13.9 | 10.2 | 15.2 |

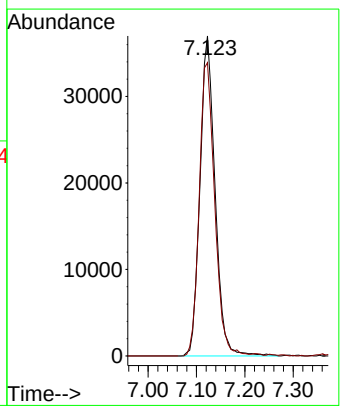


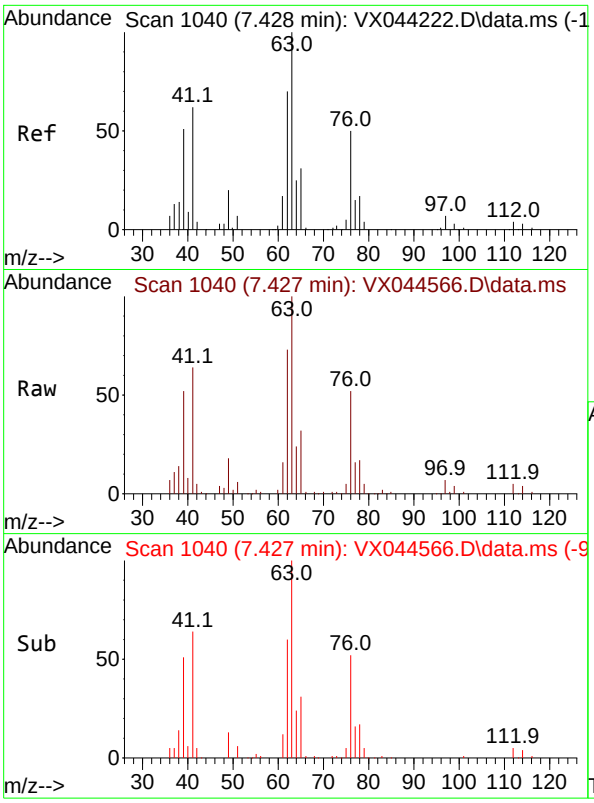




#44
Trichloroethene
Concen: 52.249 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:130 Resp: 80026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 91.7 | 0.0 | 201.4 |



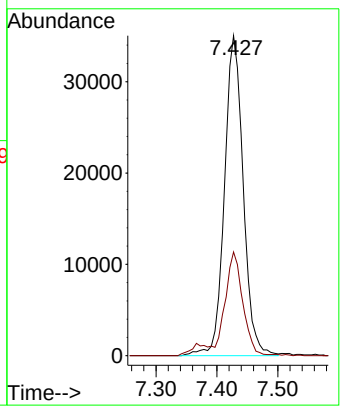


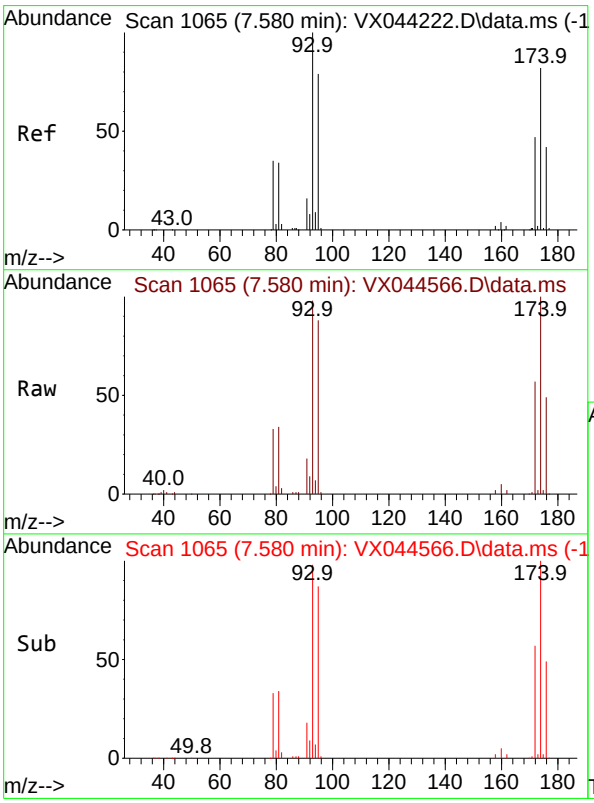

#45
1,2-Dichloropropane
Concen: 47.708 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 74860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.4 | 24.6 | 37.0 |

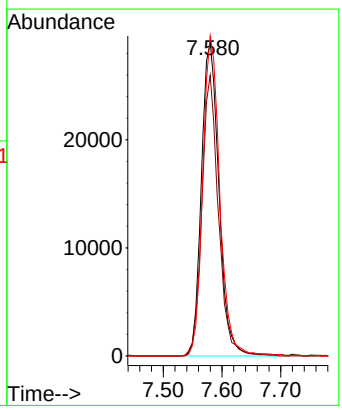


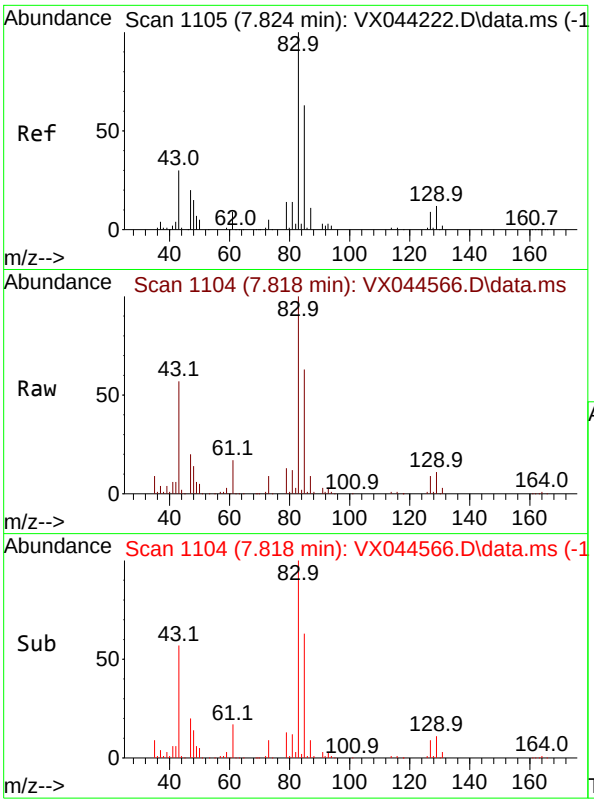




#46
Dibromomethane
Concen: 49.490 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 93 Resp: 60246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 65.4 | 98.2 |
| 174 | 99.3 | 67.9 | 101.9 |



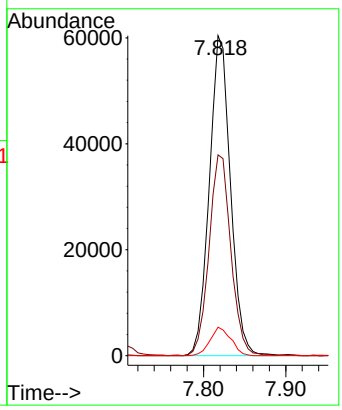


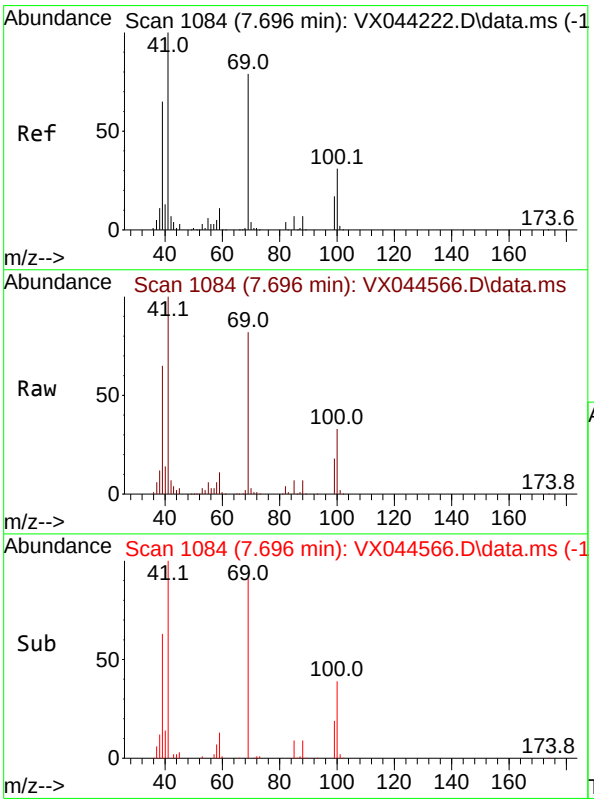

#47
Bromodichloromethane
Concen: 51.396 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 108056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 50.6 | 75.8 |
| 127 | 8.9 | 7.3 | 10.9 |

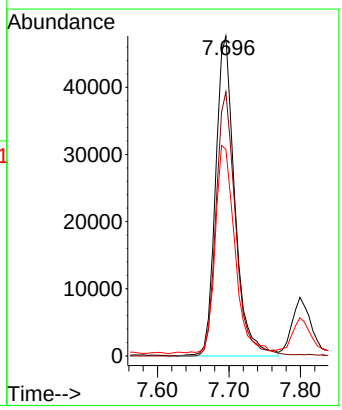


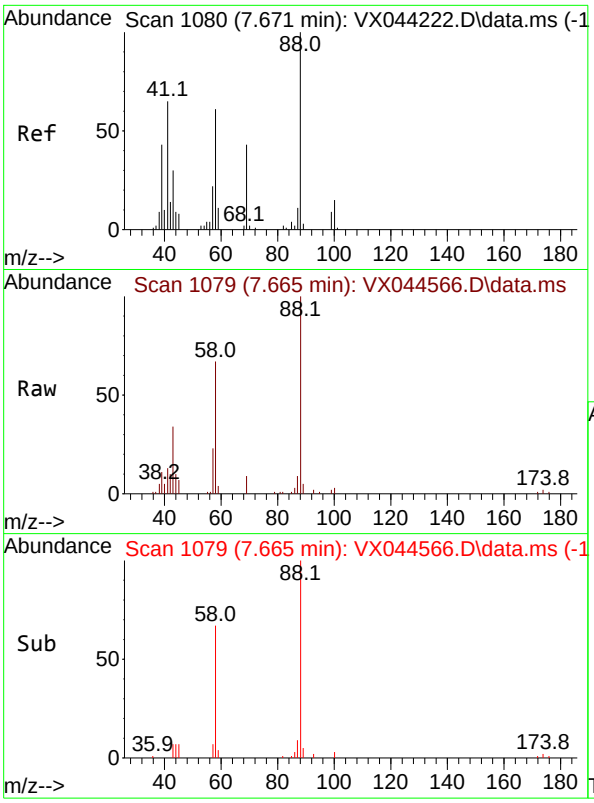




#48
Methyl methacrylate
Concen: 46.878 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 41 Resp: 88938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 83.9 | 62.4 | 93.6 |
| 39 | 65.9 | 53.3 | 79.9 |



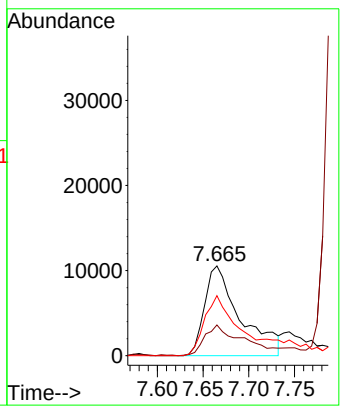


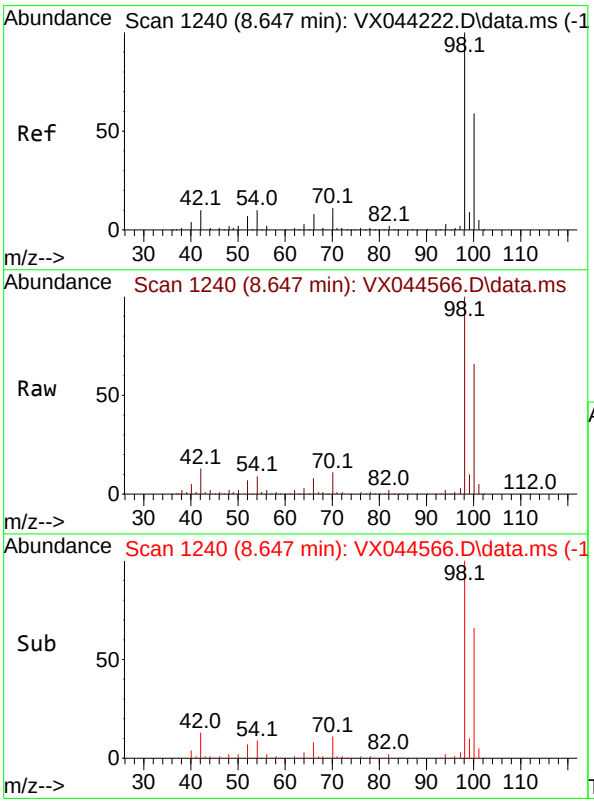

#49
1,4-Dioxane
Concen: 913.462 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 28733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.4 | 27.1 | 40.7 |
| 58 | 80.2 | 41.0 | 61.4# |

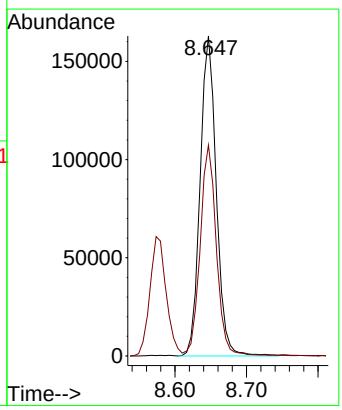


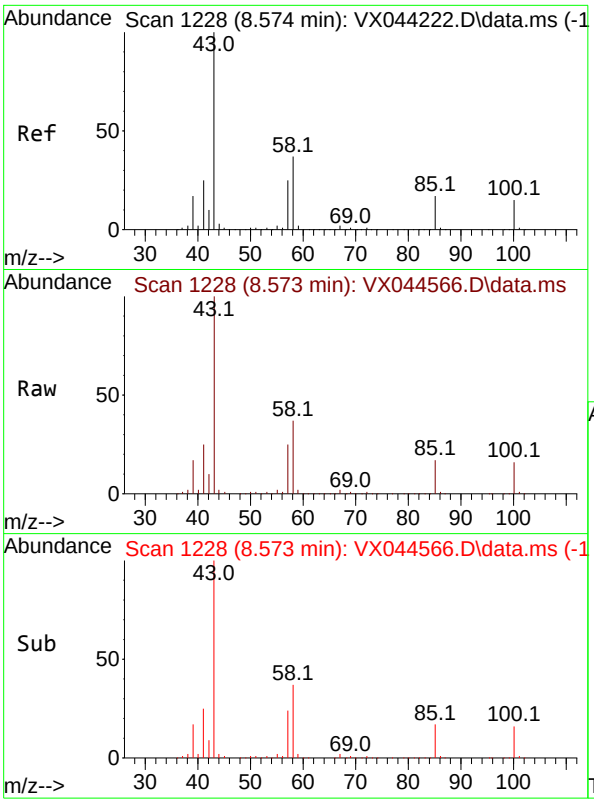




#50
Toluene-d8
Concen: 48.474 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 98 Resp: 255928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 51.5 | 77.3 |



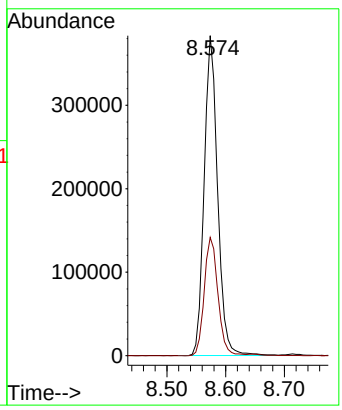


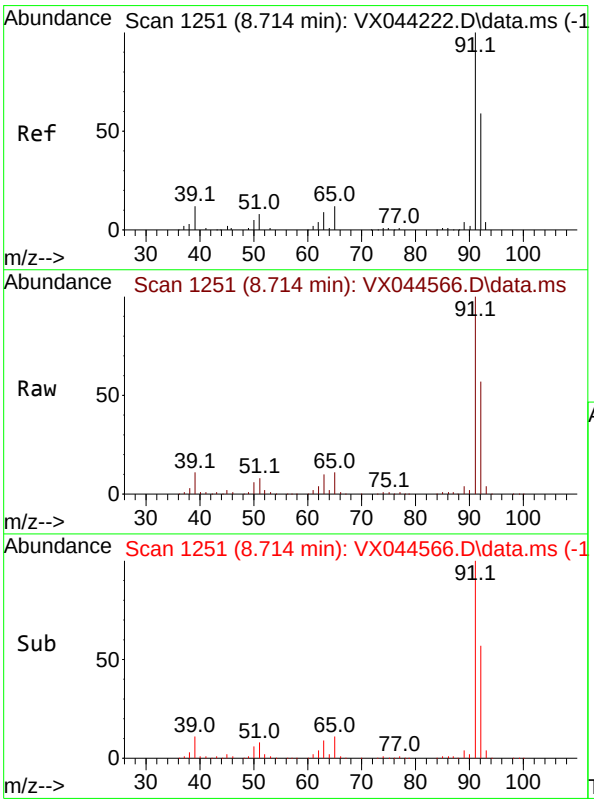

#51
4-Methyl-2-Pentanone
Concen: 242.270 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 608819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.6 | 29.4 | 44.0 |

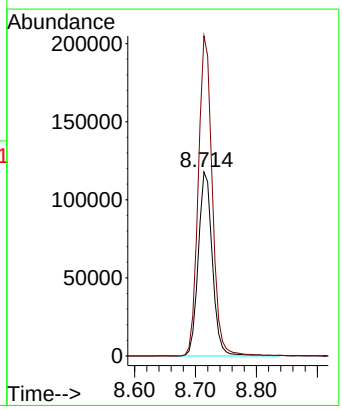


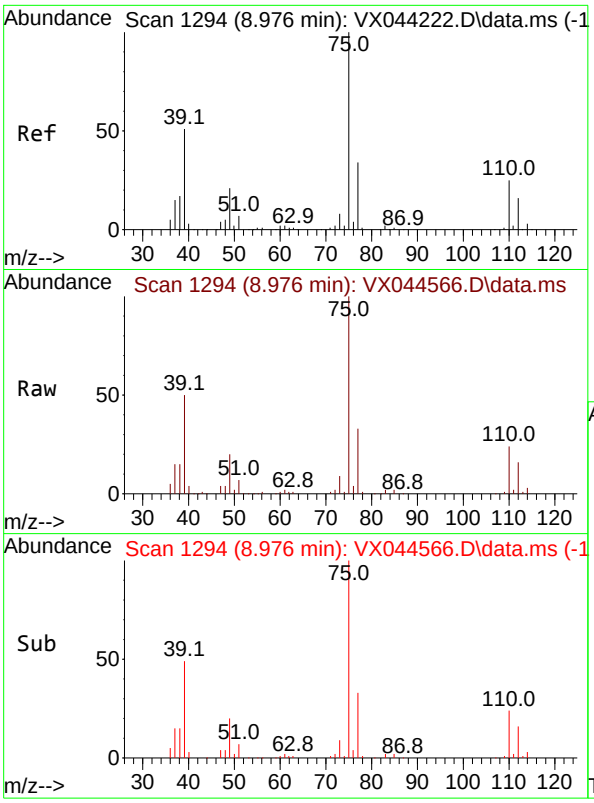




#52
Toluene
Concen: 48.888 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 92 Resp: 188560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.7 | 137.0 | 205.6 |



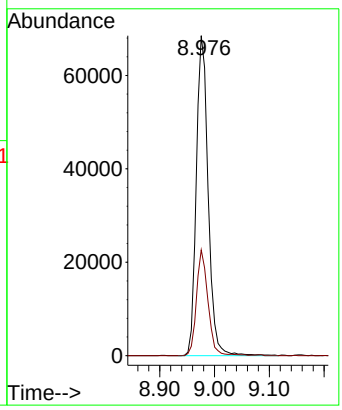


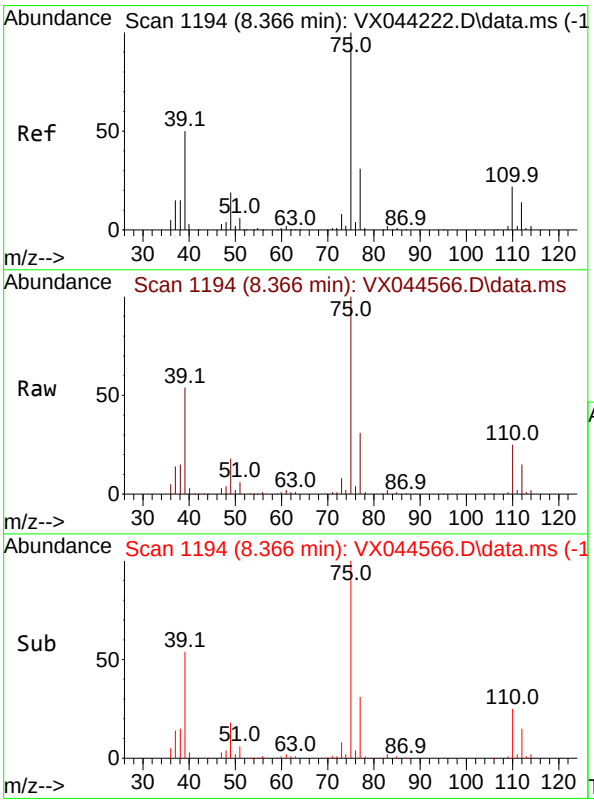

#53
t-1,3-Dichloropropene
Concen: 46.134 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 103525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 27.2 | 40.8 |

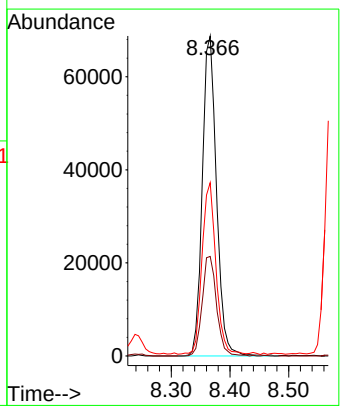


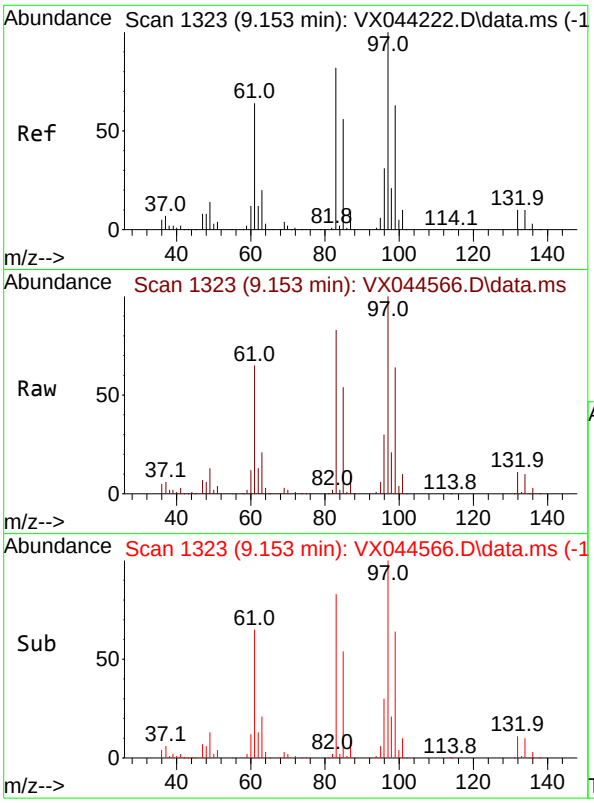




#54
cis-1,3-Dichloropropene
Concen: 50.320 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 115192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 24.7 | 37.1 |
| 39 | 53.6 | 40.3 | 60.5 |



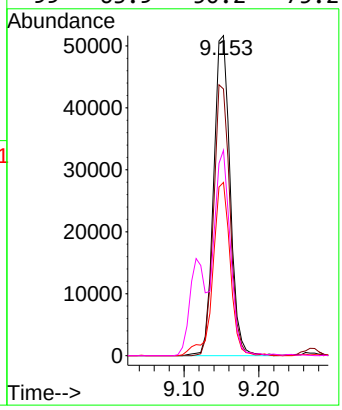


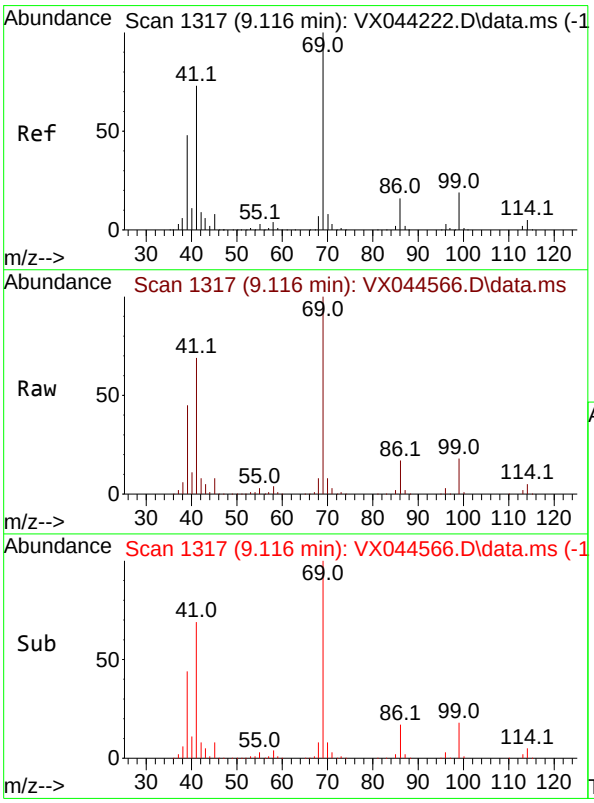

#55
1,1,2-Trichloroethane
Concen: 51.778 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 79336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.4 | 65.3 | 97.9 |
| 85 | 54.2 | 44.6 | 67.0 |
| 99 | 63.9 | 50.2 | 75.2 |

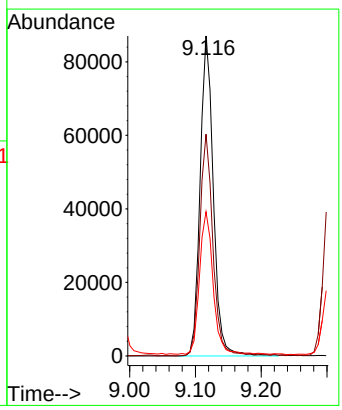


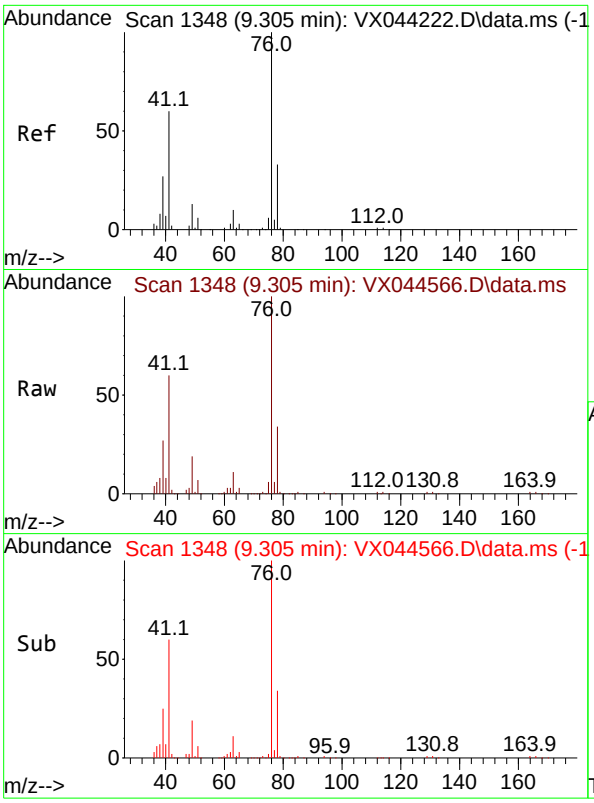




#56
Ethyl methacrylate
Concen: 50.372 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 69 Resp: 121845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 56.6 | 85.0 |
| 39 | 45.6 | 37.4 | 56.0 |



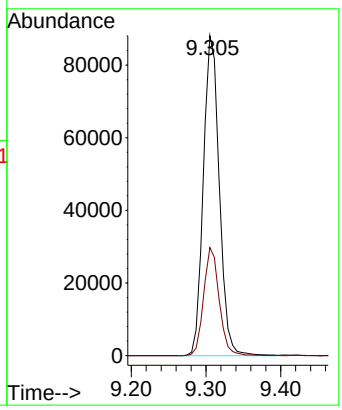


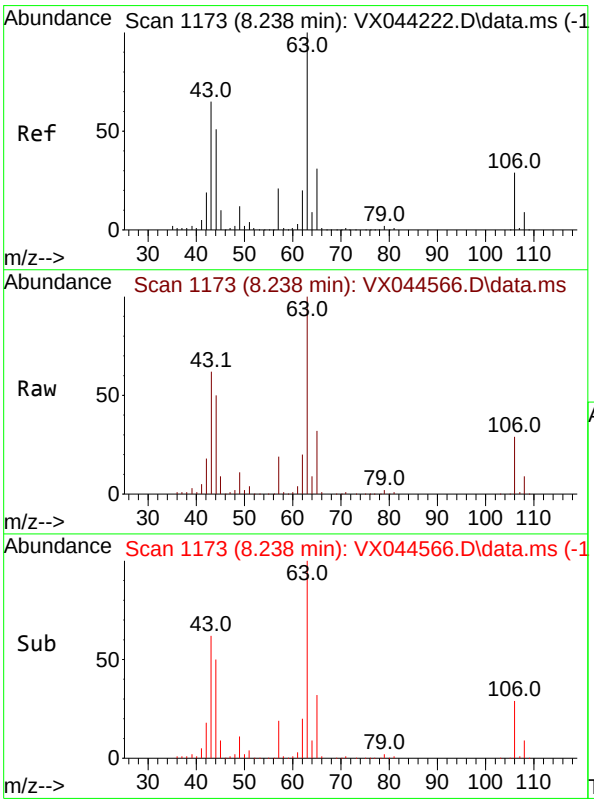

#57
1,3-Dichloropropane
Concen: 49.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 130819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.0 | 26.5 | 39.7 |

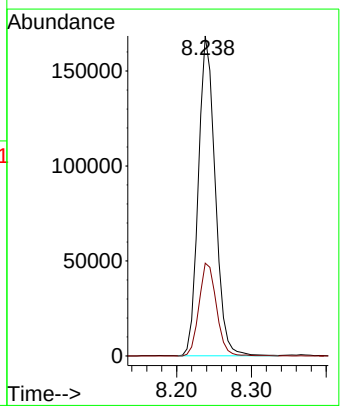


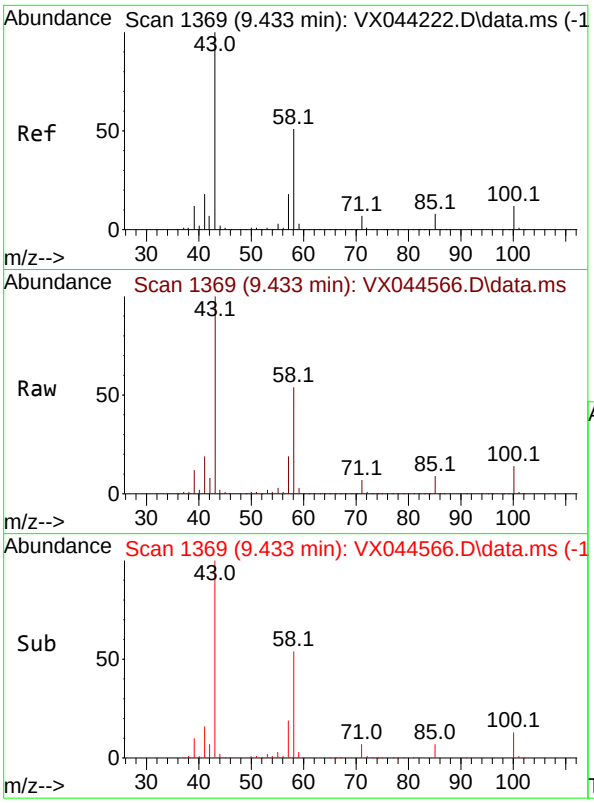




#58
2-Chloroethyl Vinyl ether
Concen: 215.466 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 63 Resp: 262876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.0 | 22.8 | 34.2 |



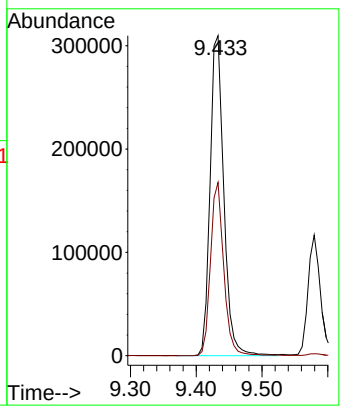


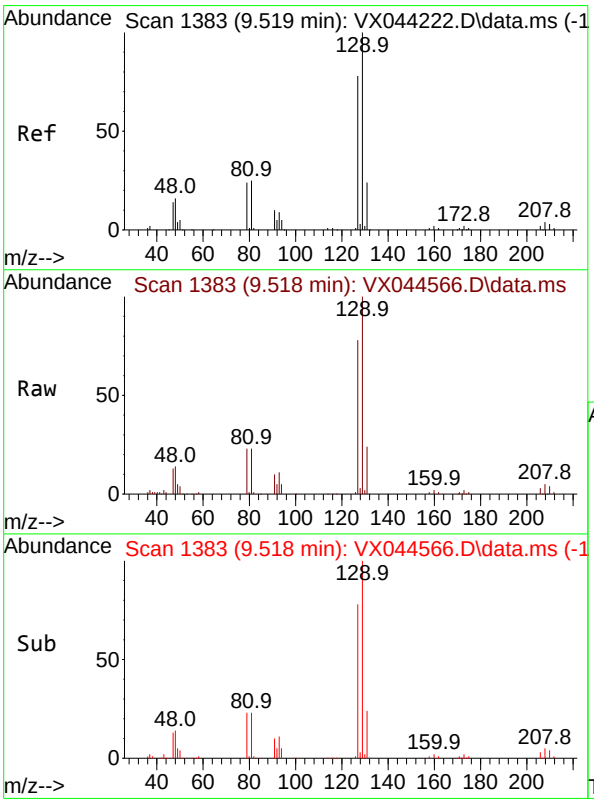

#59
2-Hexanone
Concen: 247.299 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 449825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.5 | 25.7 | 77.0 |

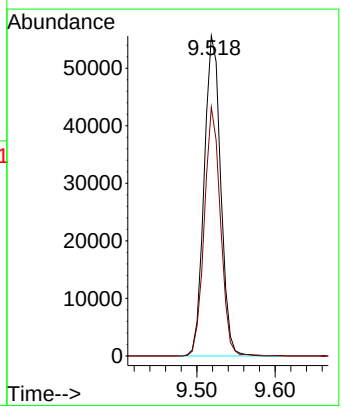


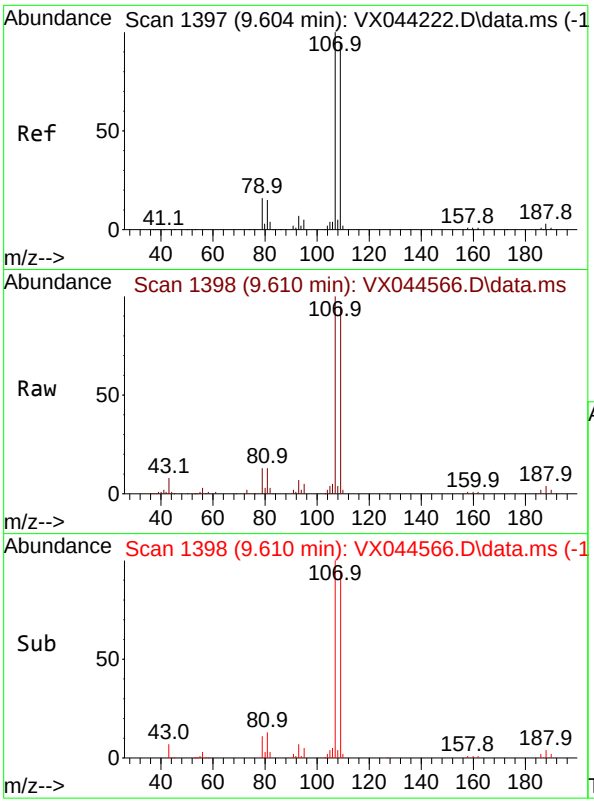




#60
Dibromochloromethane
Concen: 50.226 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:129 Resp: 81525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.6 | 38.5 | 115.3 |



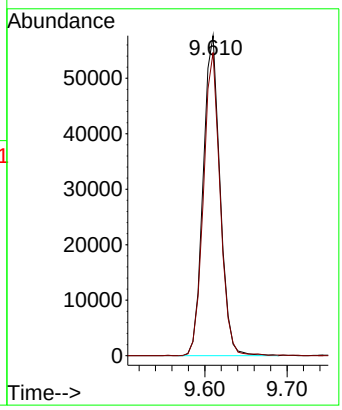


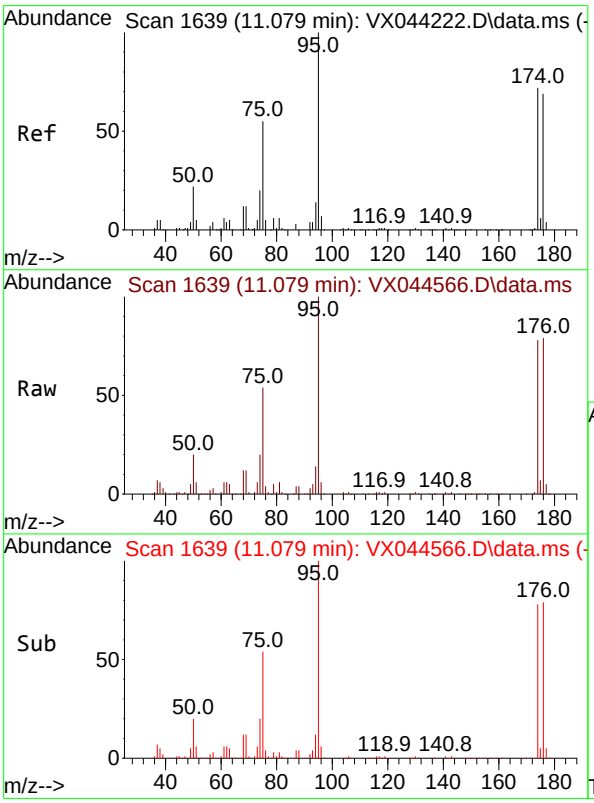

#61
1,2-Dibromoethane
Concen: 52.792 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 82337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.5 | 77.0 | 115.4 |

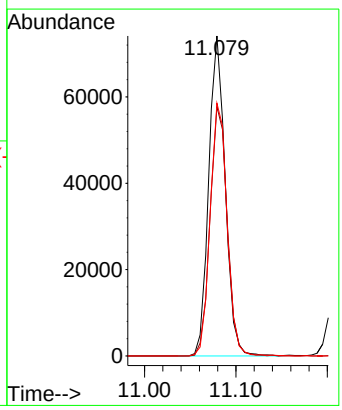


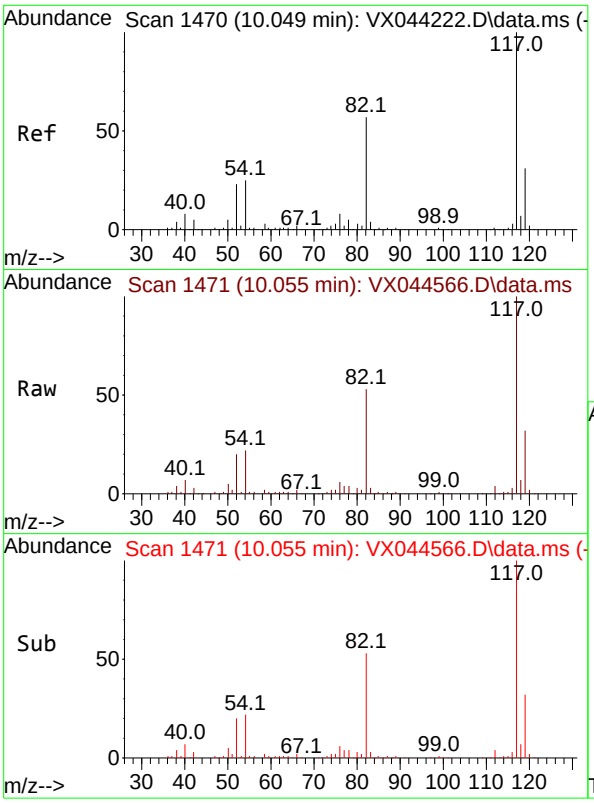




#62
4-Bromofluorobenzene
Concen: 50.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 95 Resp: 92593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.3 | 0.0 | 145.8 |
| 176 | 81.2 | 0.0 | 137.8 |



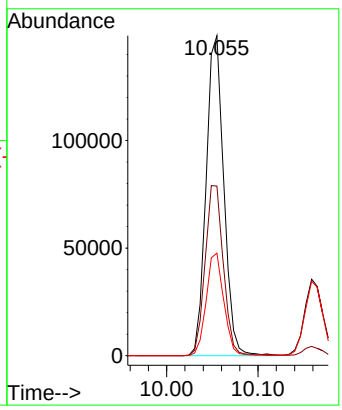


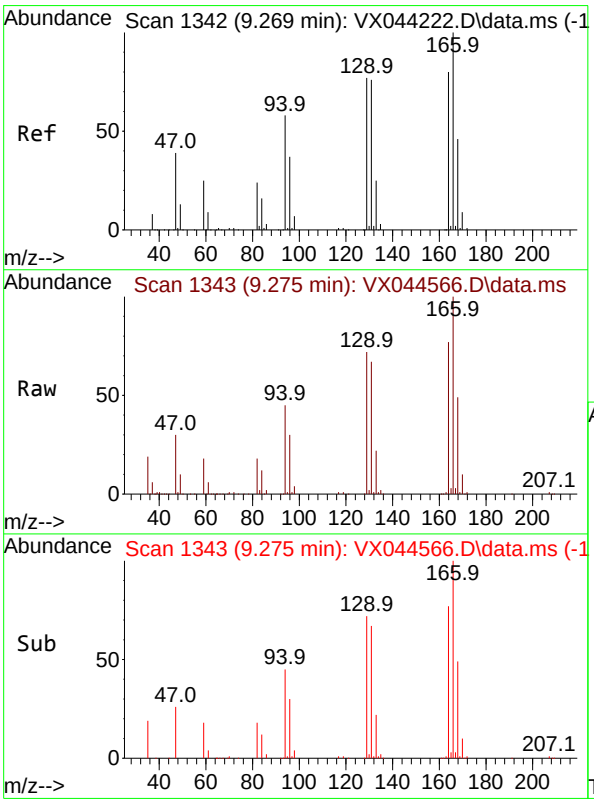

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 199687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 45.8 | 68.8 |
| 119 | 32.0 | 25.0 | 37.4 |

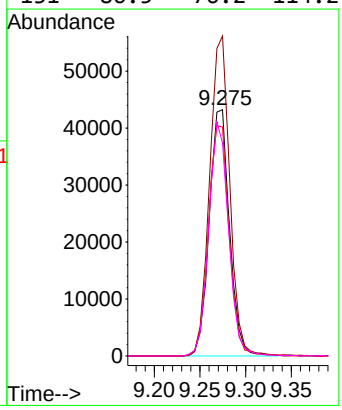


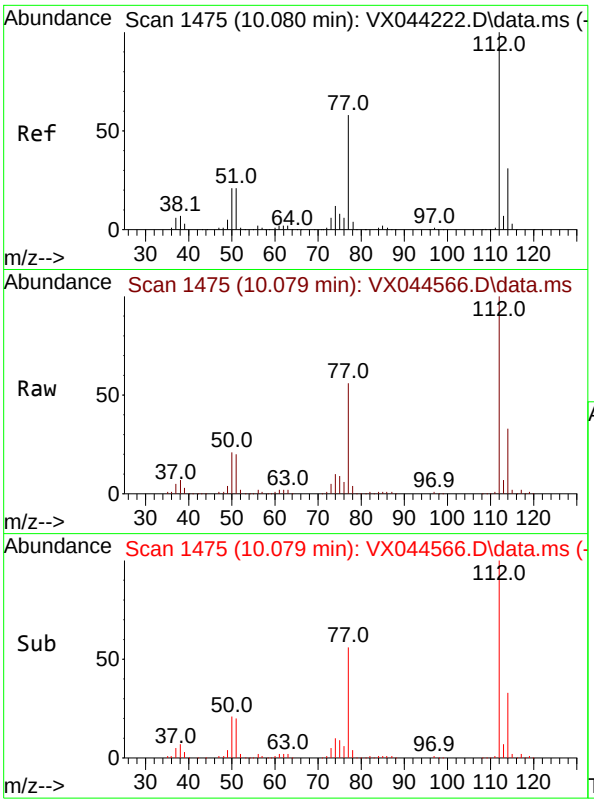




#64
Tetrachloroethene
Concen: 50.030 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:164 Resp: 66308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.0 | 100.4 | 150.6 |
| 129 | 93.0 | 77.2 | 115.8 |
| 131 | 86.5 | 76.2 | 114.2 |



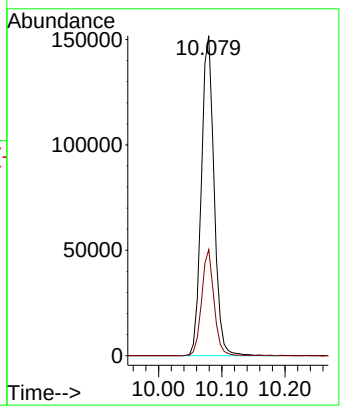


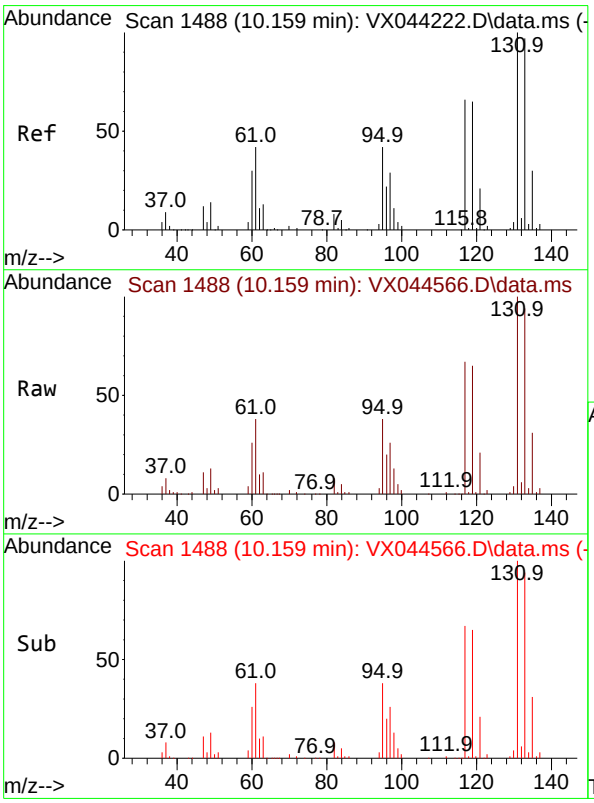

#65
Chlorobenzene
Concen: 49.789 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 213039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.2 | 25.0 | 37.6 |

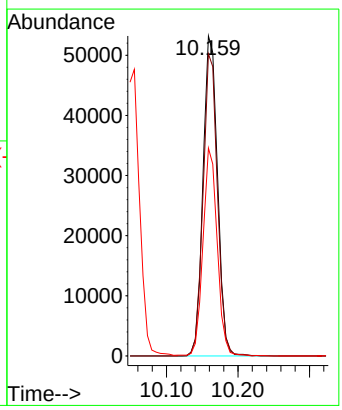


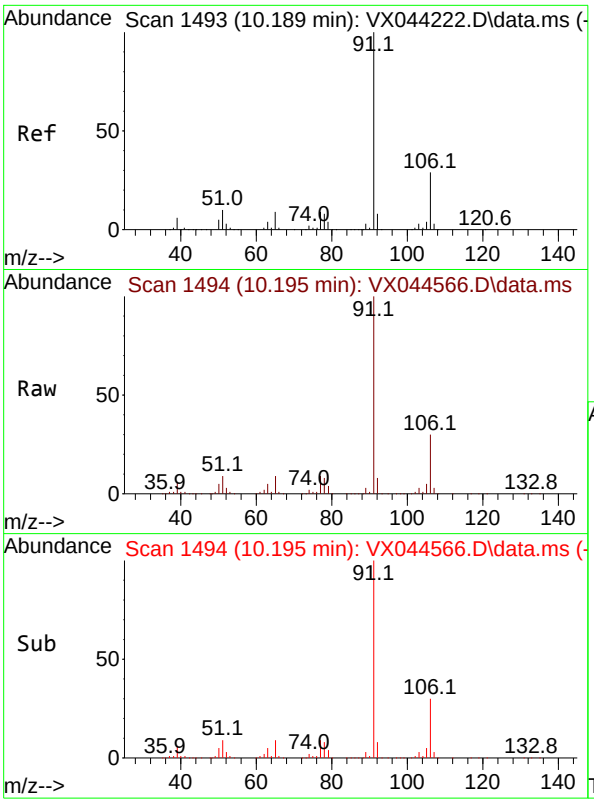




#66
1,1,1,2-Tetrachloroethane
Concen: 54.563 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:131 Resp: 75033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.5 | 47.3 | 141.8 |
| 119 | 63.7 | 31.6 | 95.0 |



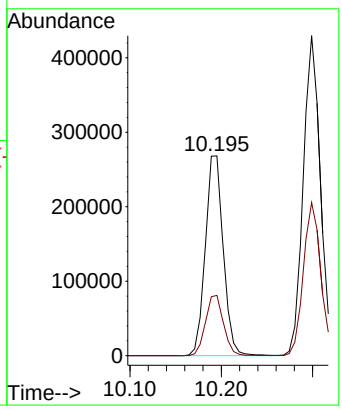


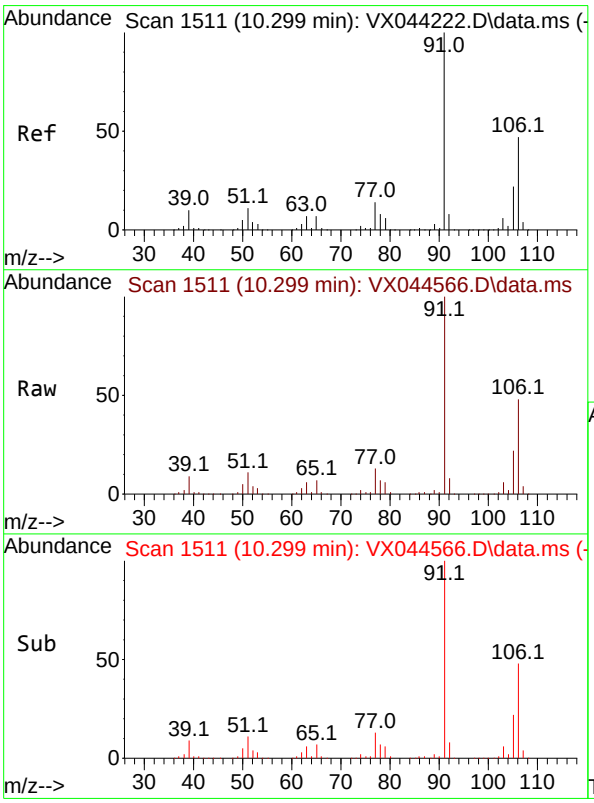

#67
Ethyl Benzene
Concen: 49.429 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 365437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 23.5 | 35.3 |

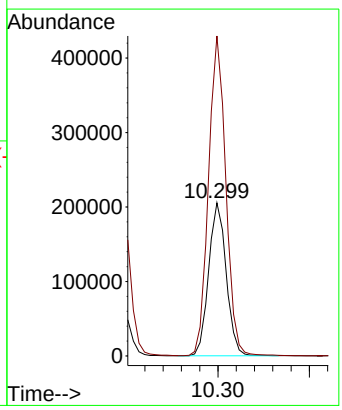


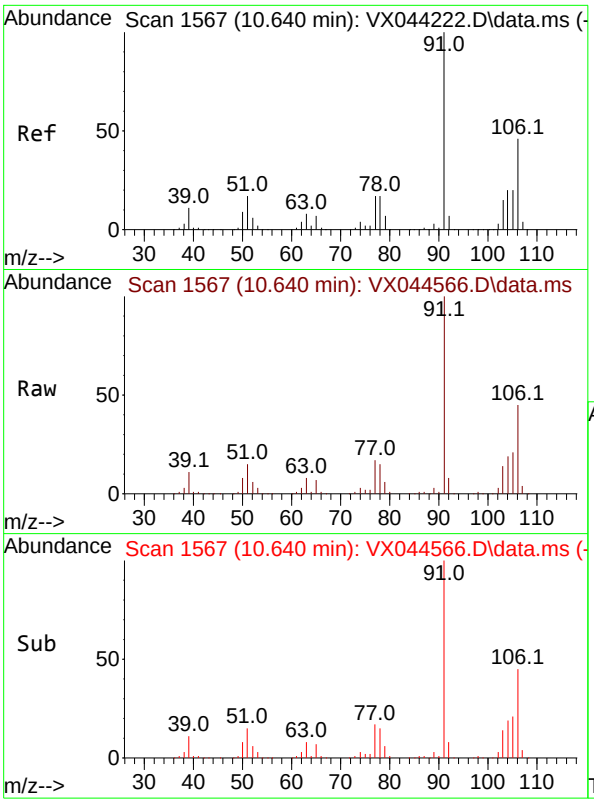




#68
m/p-Xylenes
Concen: 100.832 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:106 Resp: 273541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.2 | 170.2 | 255.2 |



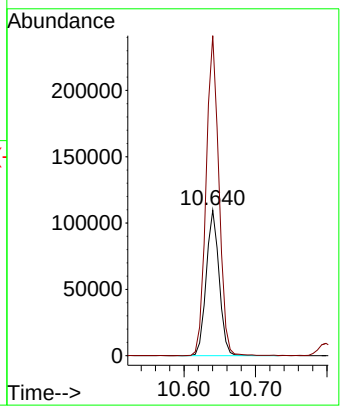


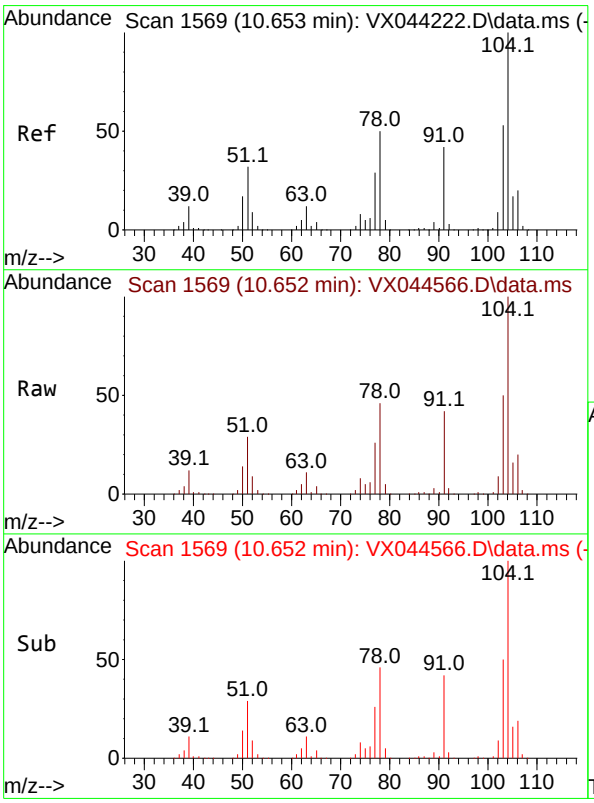

#69
o-Xylene
Concen: 49.993 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 137223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 112.3 | 337.0 |

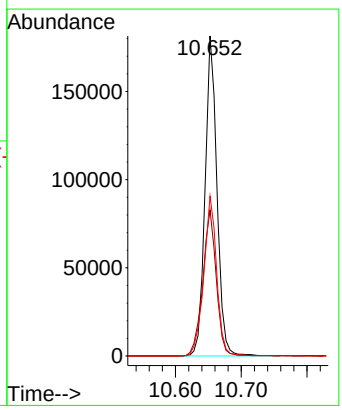


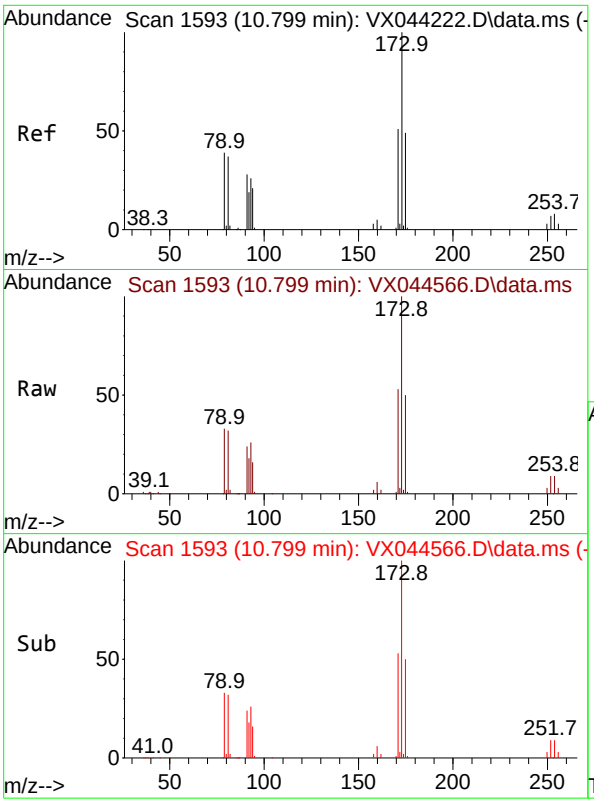




#70
Styrene
Concen: 52.025 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:104 Resp: 228924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.8 | 44.6 | 67.0 |
| 103 | 54.1 | 45.4 | 68.0 |



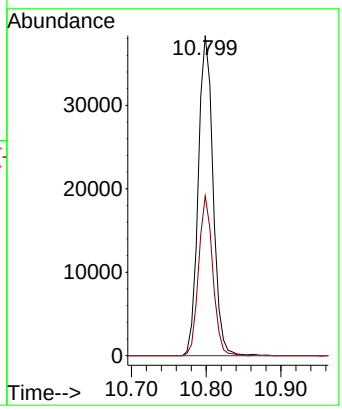


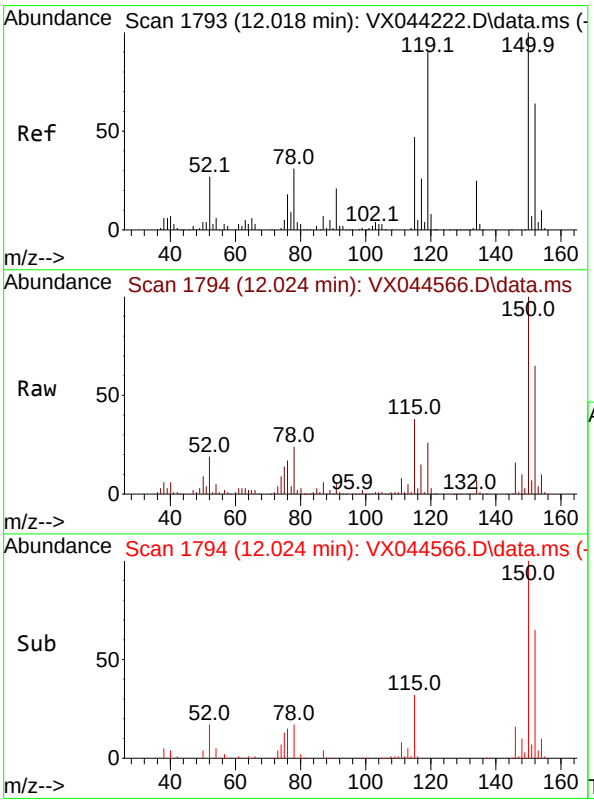

#71
Bromoform
Concen: 54.252 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 52709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.7 | 23.8 | 71.4 |
| 254 | 0.0 | 0.0 | 0.0 |

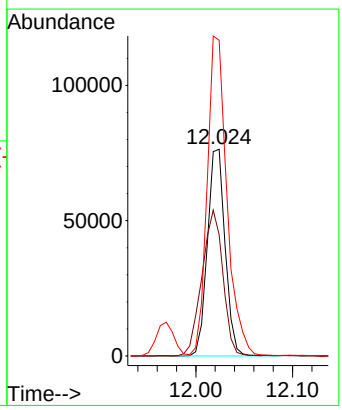


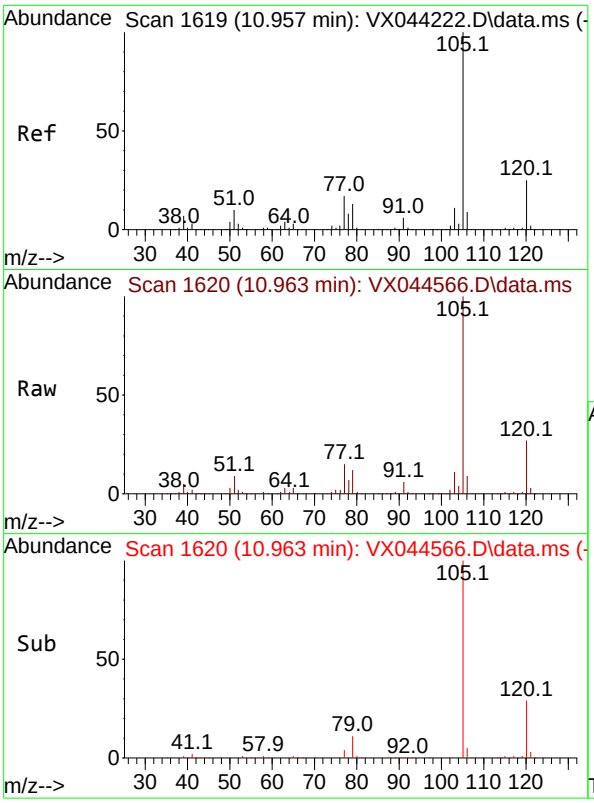




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:152 Resp: 97406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 83.5 | 44.5 | 133.3 |
| 150 | 171.6 | 0.0 | 353.8 |



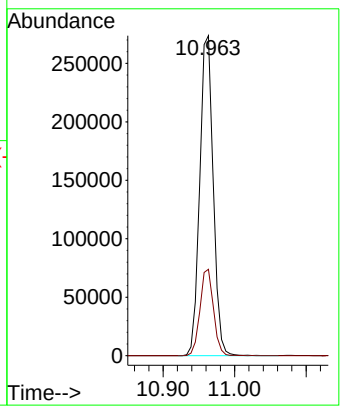


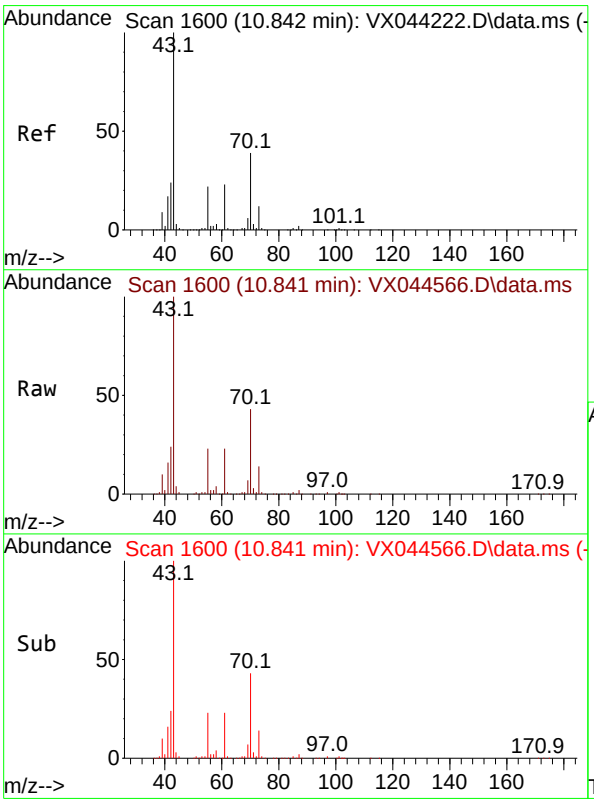

#73
Isopropylbenzene
Concen: 48.065 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 358412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.0 | 13.1 | 39.3 |

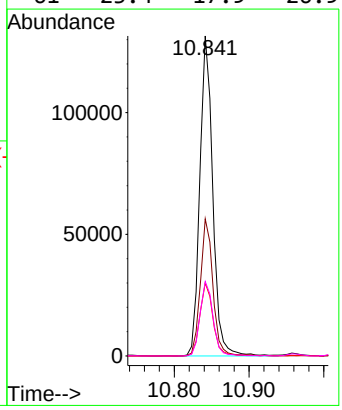


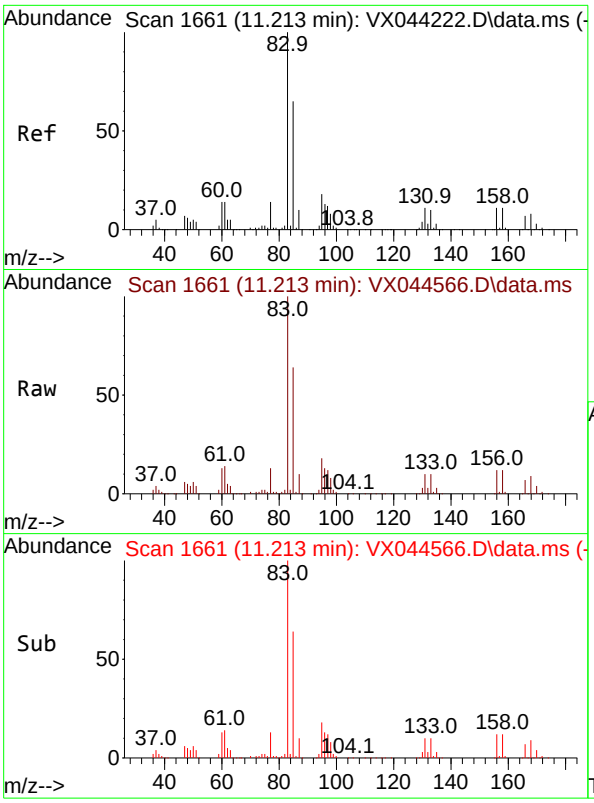




#74
N-amyl acetate
Concen: 45.983 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 158466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.7 | 31.9 | 47.9 |
| 55 | 23.4 | 17.9 | 26.9 |
| 61 | 23.4 | 17.9 | 26.9 |



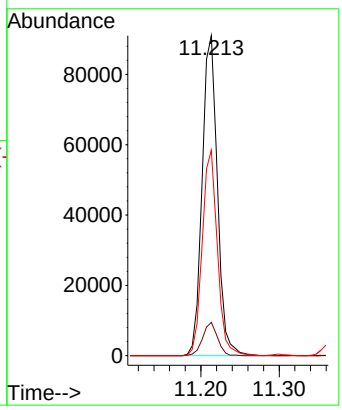


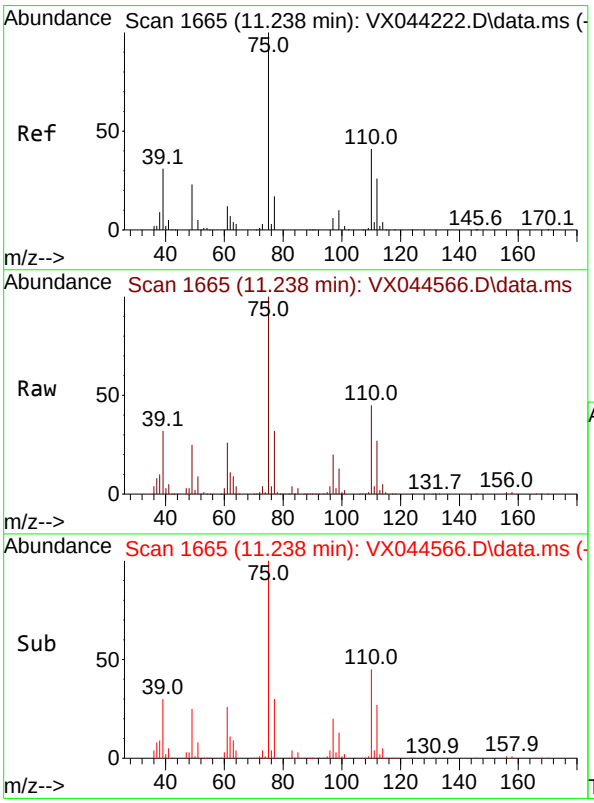

#75
1,1,2,2-Tetrachloroethane
Concen: 47.507 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 123043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.1 | 15.4 |
| 85 | 63.7 | 32.5 | 97.4 |

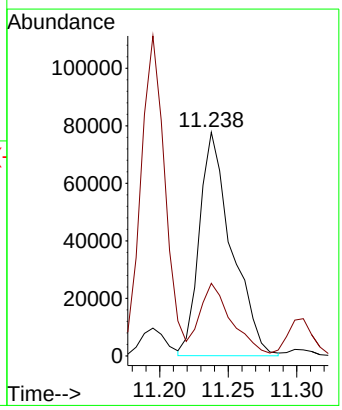


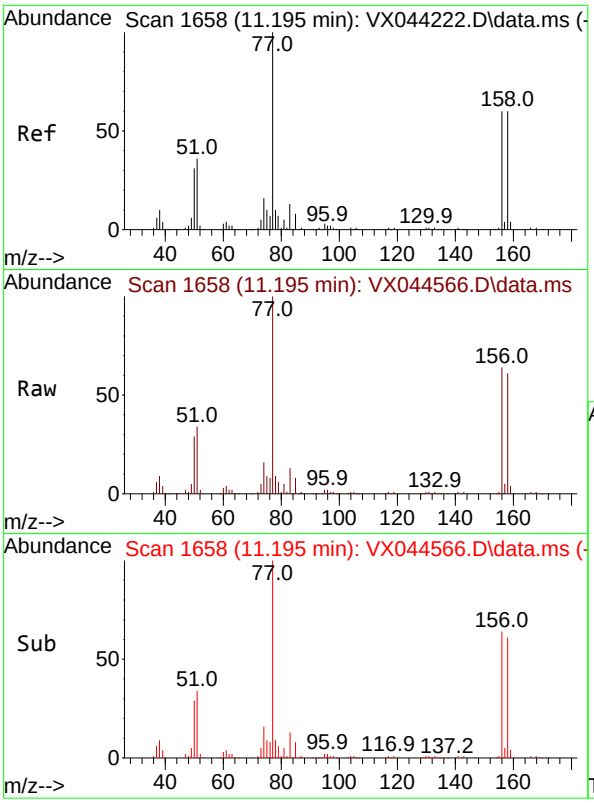




#76
1,2,3-Trichloropropane
Concen: 58.556 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 127350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 20.9 | 62.7 |



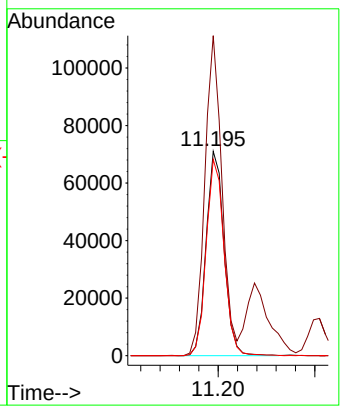


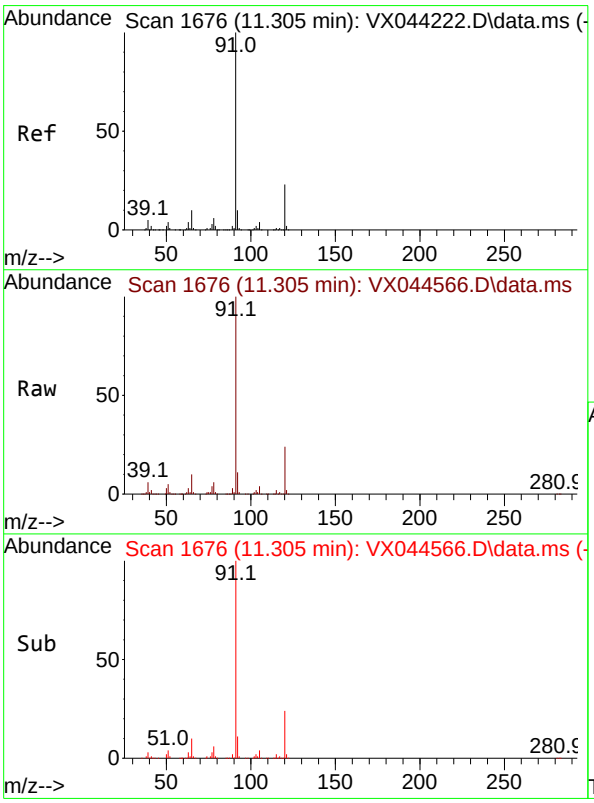

#77
Bromobenzene
Concen: 50.361 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 91064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 150.4 | 82.6 | 247.8 |
| 158 | 96.3 | 48.8 | 146.4 |

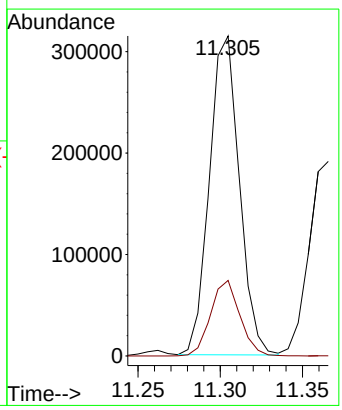


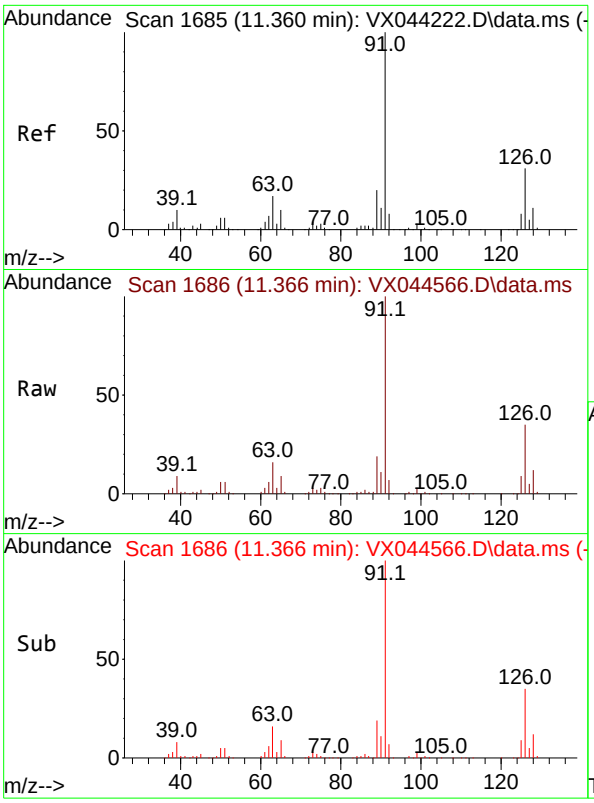




#78
n-propylbenzene
Concen: 48.380 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 398738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.2 | 11.0 | 33.0 |



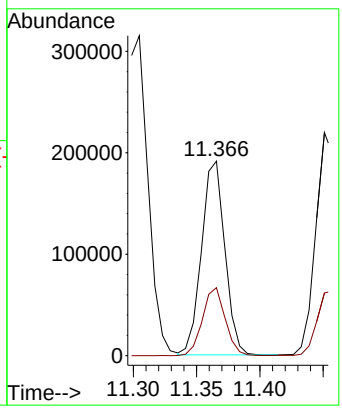


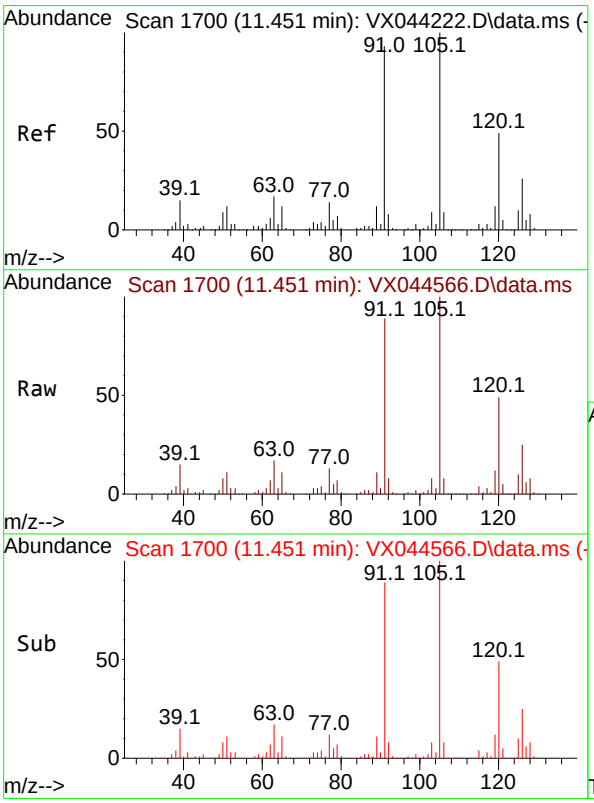

#79
2-Chlorotoluene
Concen: 46.103 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 245736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.2 | 16.4 | 49.1 |

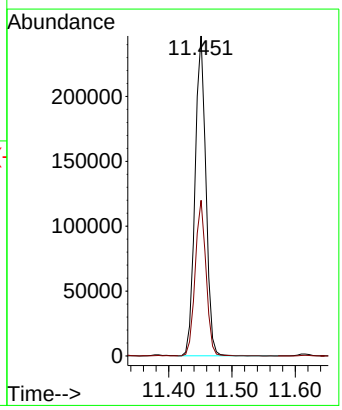


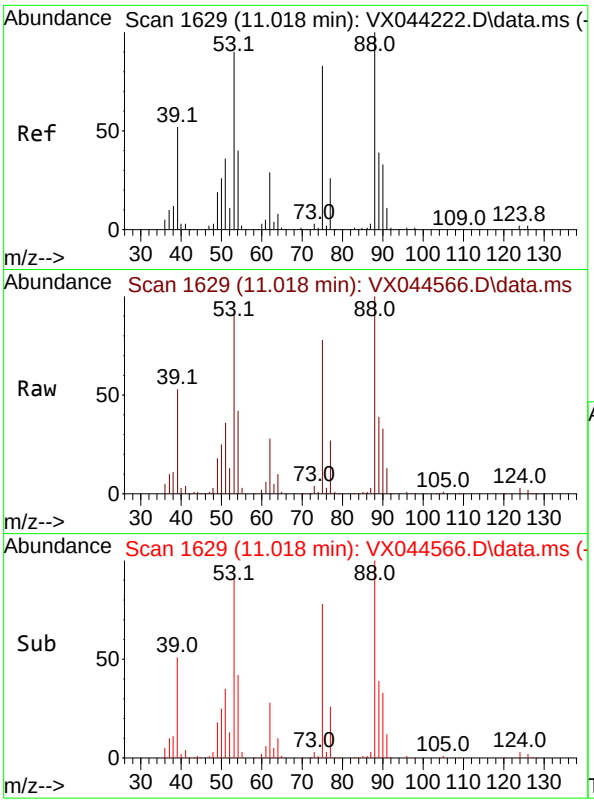




#80
1,3,5-Trimethylbenzene
Concen: 47.642 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 294610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 23.8 | 71.4 |



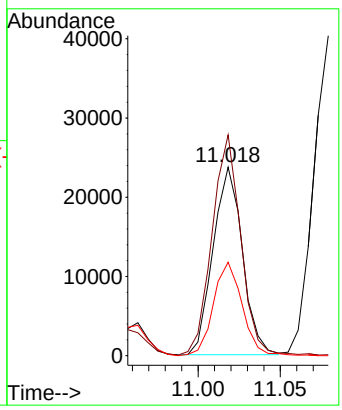


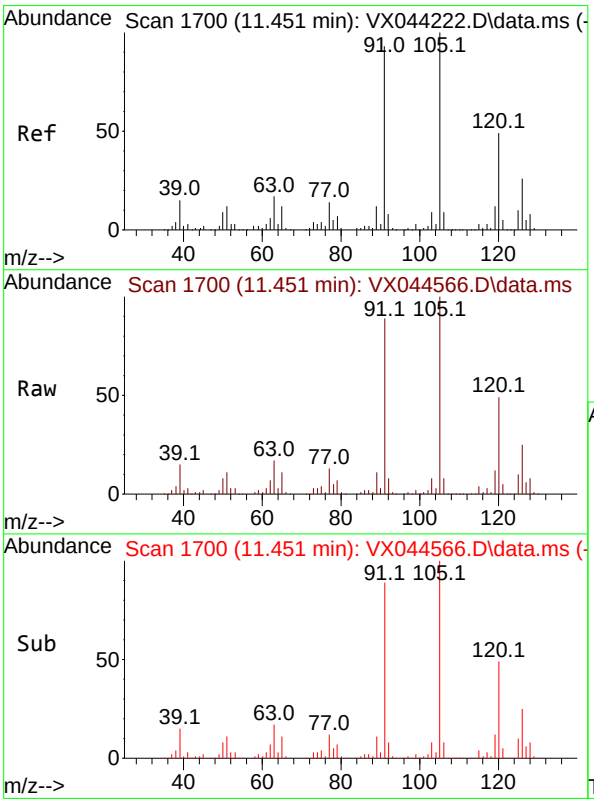

#81
trans-1,4-Dichloro-2-butene
Concen: 39.990 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 29397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.7 | 93.6 | 140.4 |
| 89 | 48.9 | 37.3 | 55.9 |

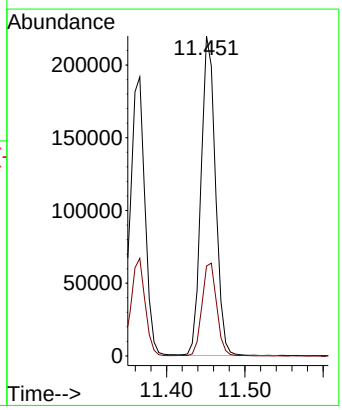


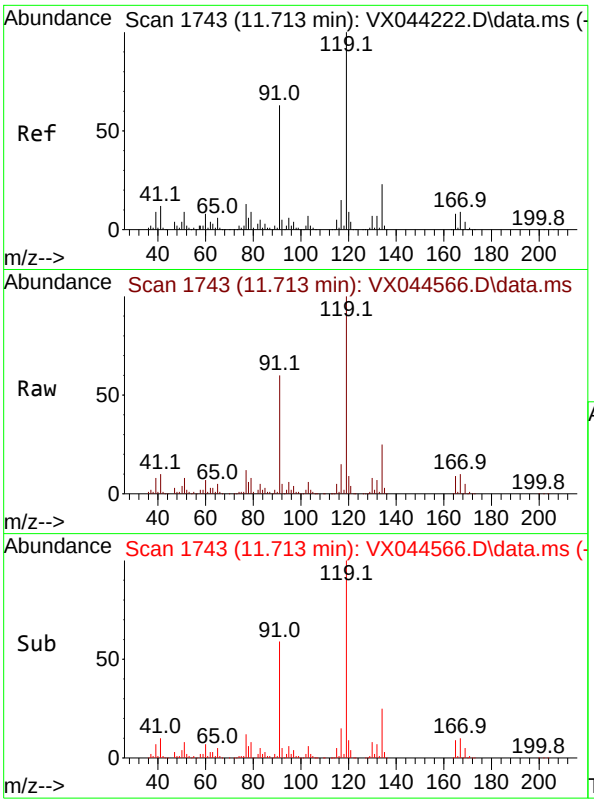




#82
4-Chlorotoluene
Concen: 47.540 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 280598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.9 | 14.5 | 43.5 |



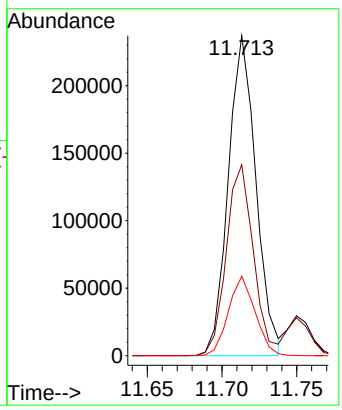


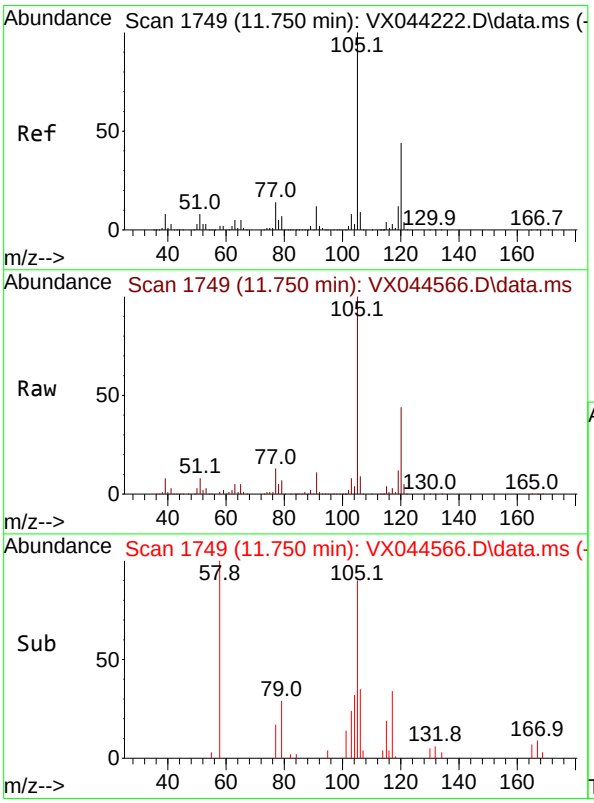

#83
tert-Butylbenzene
Concen: 49.903 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 304970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.6 | 30.9 | 92.5 |
| 134 | 24.1 | 11.5 | 34.4 |

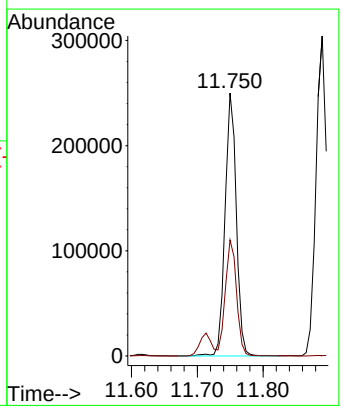


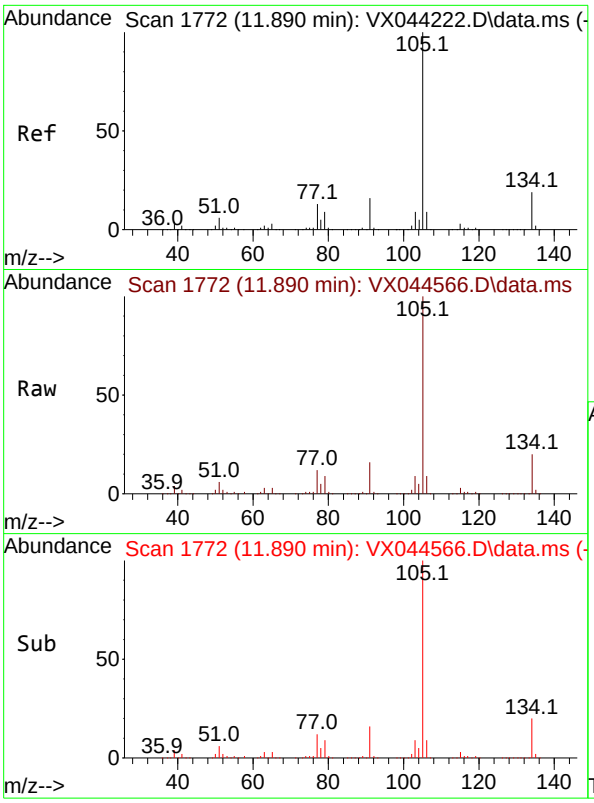




#84
1,2,4-Trimethylbenzene
Concen: 49.168 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 298601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 21.7 | 65.1 |



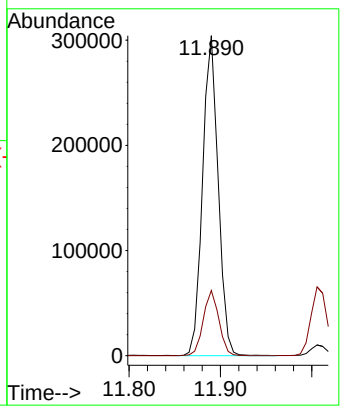


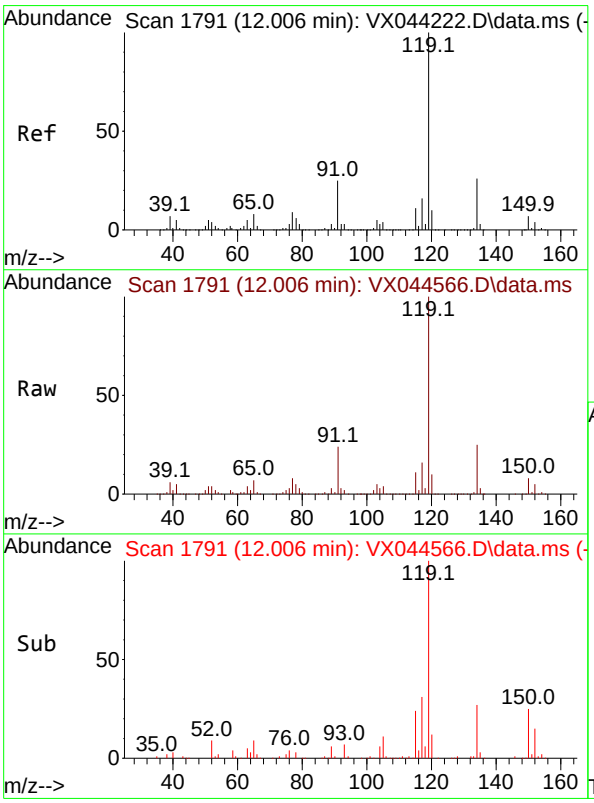

#85
sec-Butylbenzene
Concen: 48.496 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 359795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 9.8 | 29.4 |

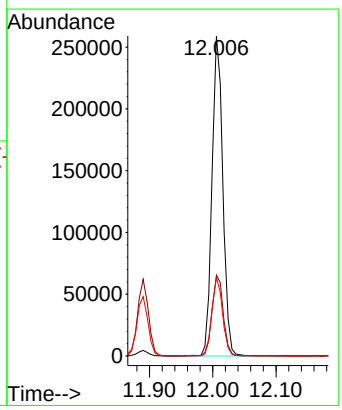


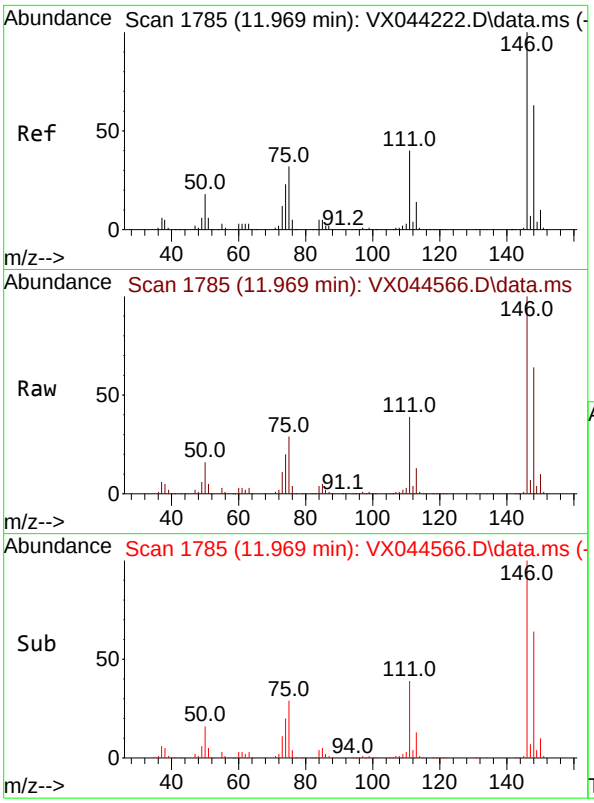




#86
p-Isopropyltoluene
Concen: 49.920 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:119 Resp: 308256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.8 | 38.4 |
| 91 | 24.5 | 13.0 | 39.0 |



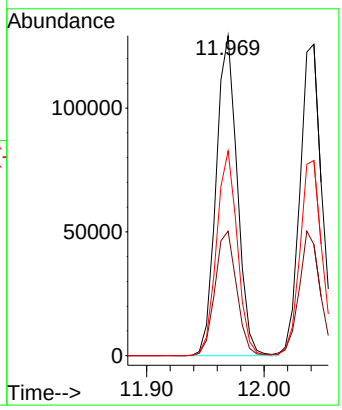


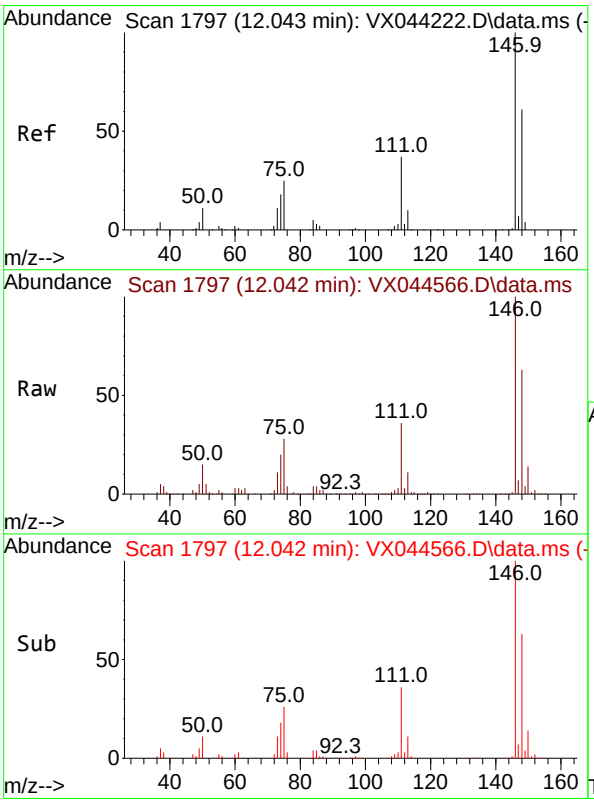

#87
1,3-Dichlorobenzene
Concen: 51.117 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 161456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 21.4 | 64.2 |
| 148 | 62.9 | 31.7 | 95.1 |

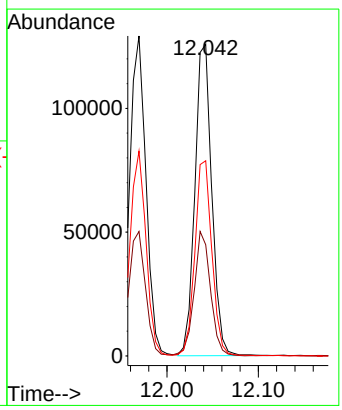


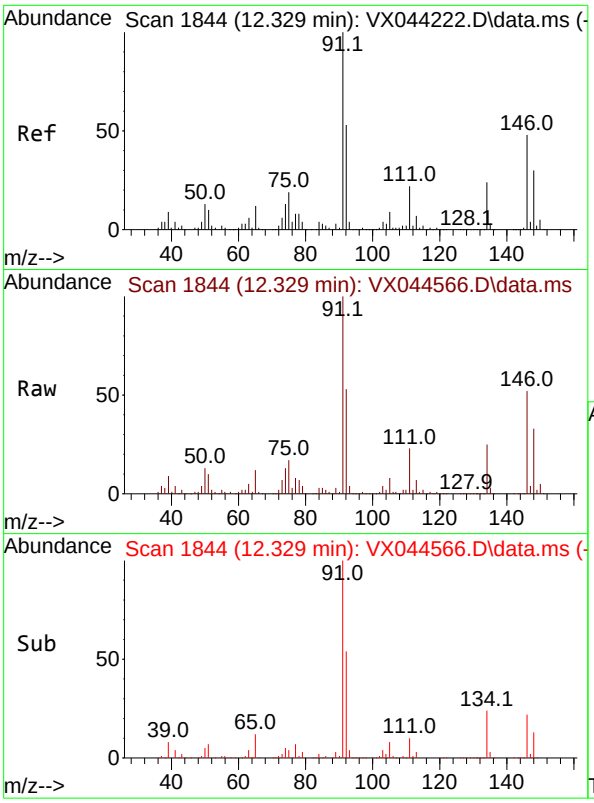




#88
1,4-Dichlorobenzene
Concen: 49.842 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:146 Resp: 161835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 21.0 | 63.0 |
| 148 | 63.0 | 32.3 | 96.8 |



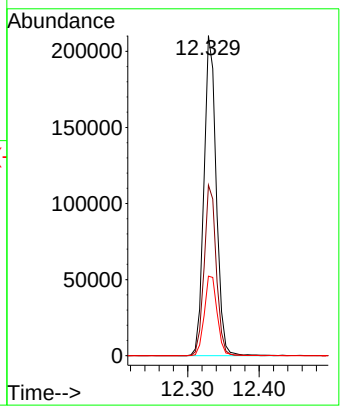


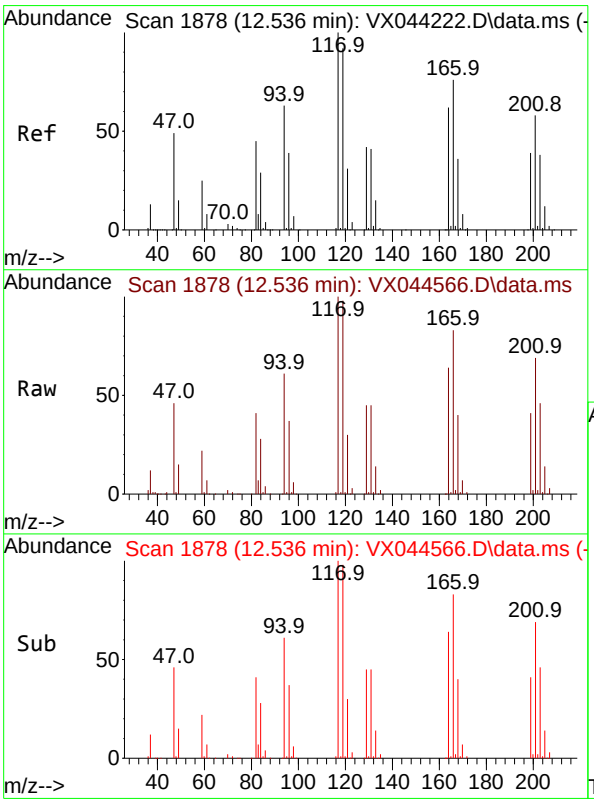

#89
n-Butylbenzene
Concen: 48.337 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 250983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.6 | 79.7 |
| 134 | 26.2 | 12.6 | 37.8 |

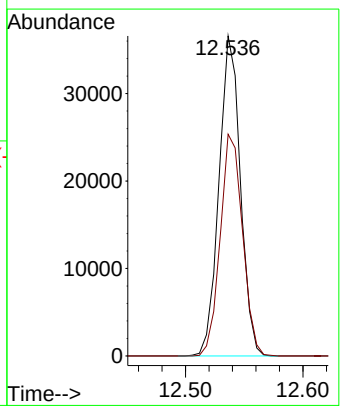


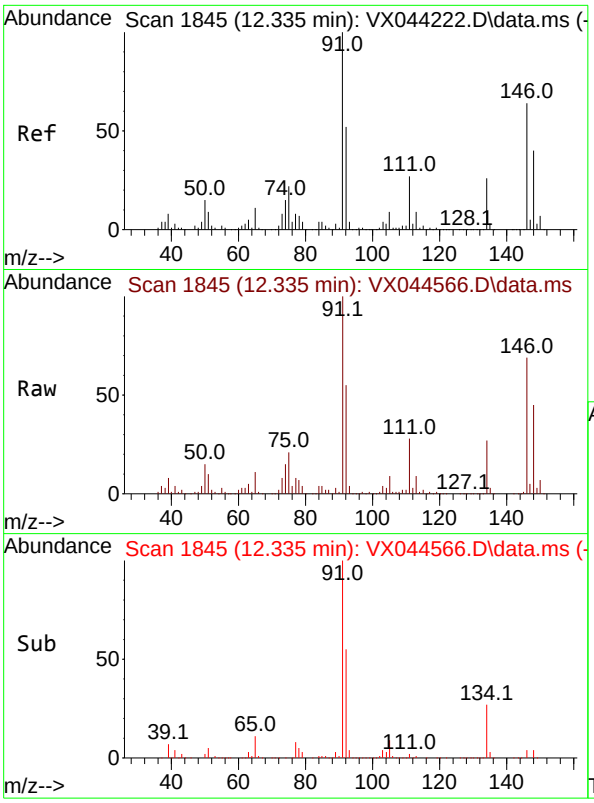




#90
Hexachloroethane
Concen: 51.321 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 46260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.4 | 31.4 | 94.2 |



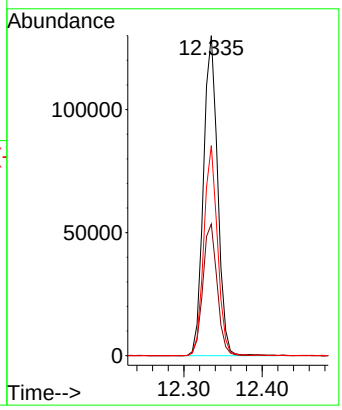


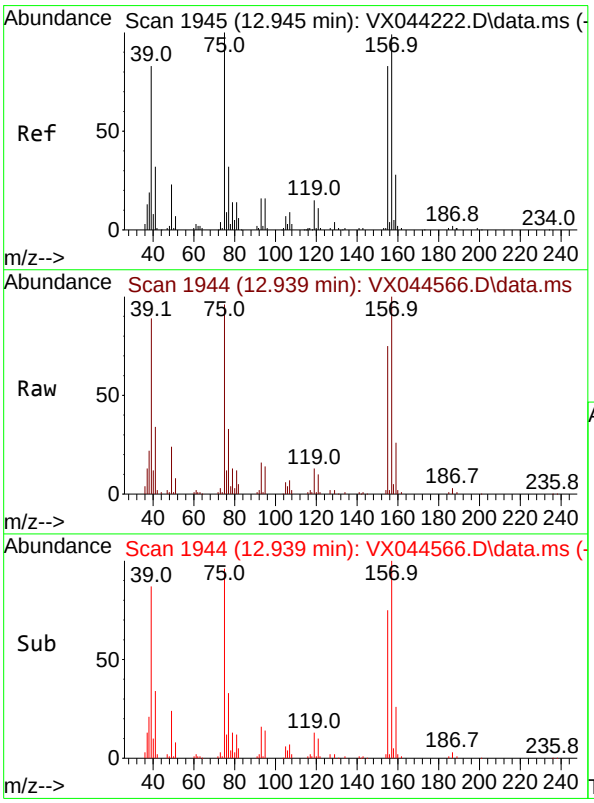

#91
1,2-Dichlorobenzene
Concen: 49.824 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 163405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 21.4 | 64.3 |
| 148 | 63.2 | 31.6 | 95.0 |

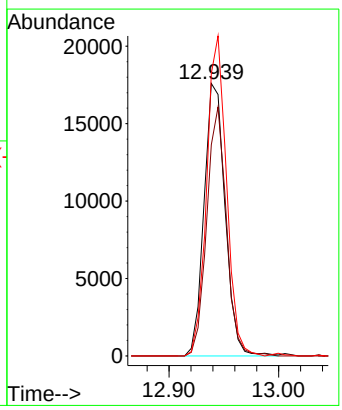


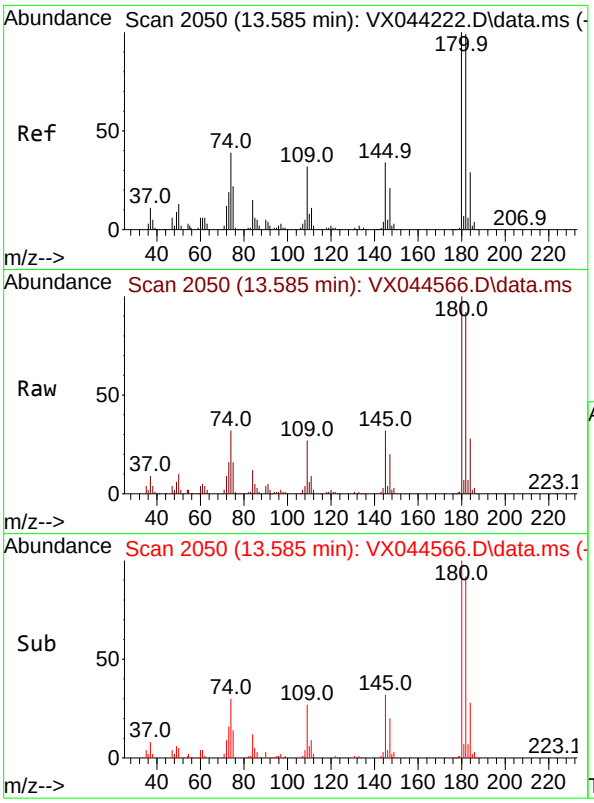




#92
1,2-Dibromo-3-Chloropropane
Concen: 46.766 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 23513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.1 | 38.1 | 114.3 |
| 157 | 110.2 | 47.2 | 141.6 |



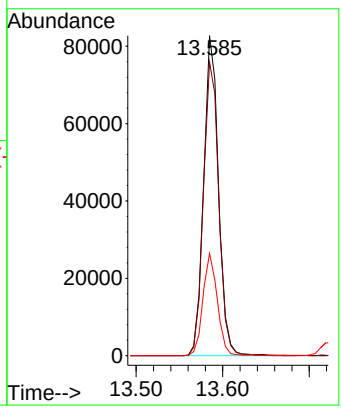


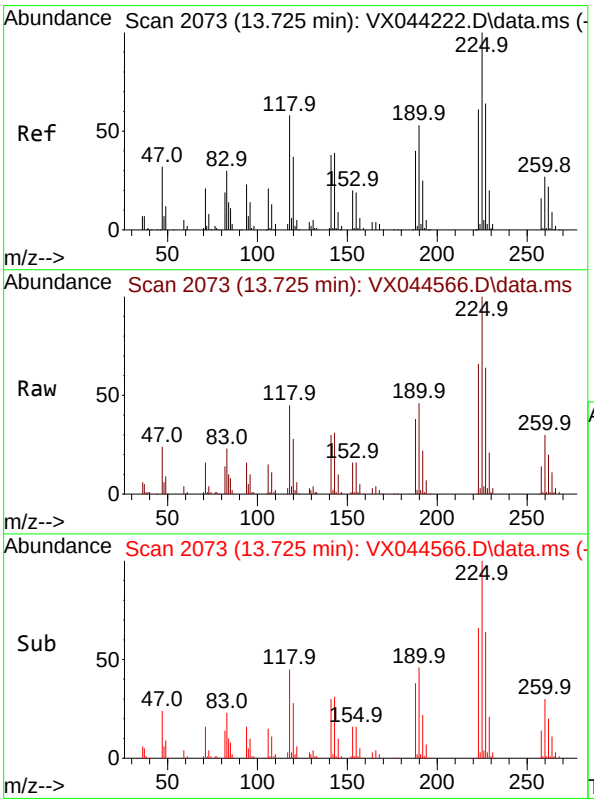

#93
1,2,4-Trichlorobenzene
Concen: 54.853 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 98627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 48.0 | 144.2 |
| 145 | 31.0 | 16.6 | 49.7 |

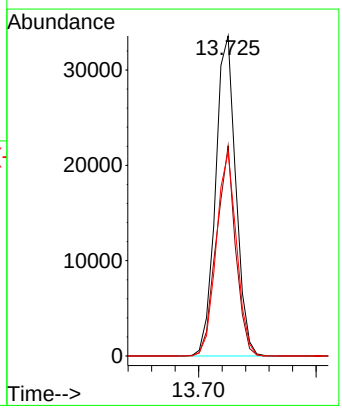


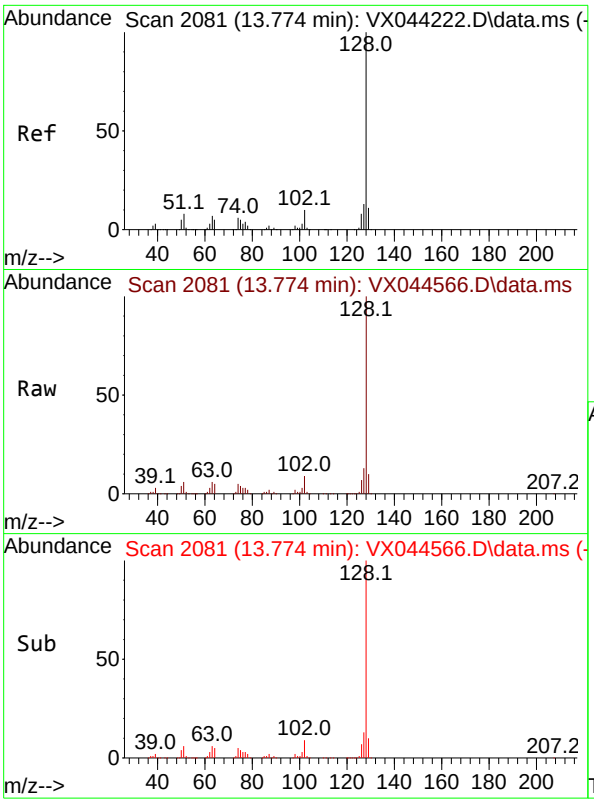




#94
Hexachlorobutadiene
Concen: 55.678 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:225 Resp: 40268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 30.8 | 92.4 |
| 227 | 63.7 | 32.1 | 96.3 |



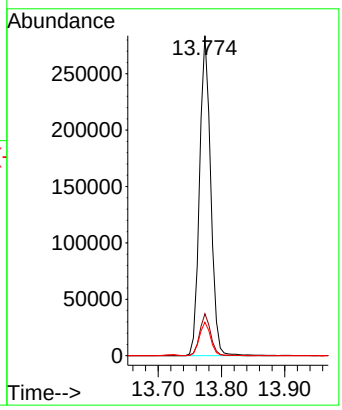


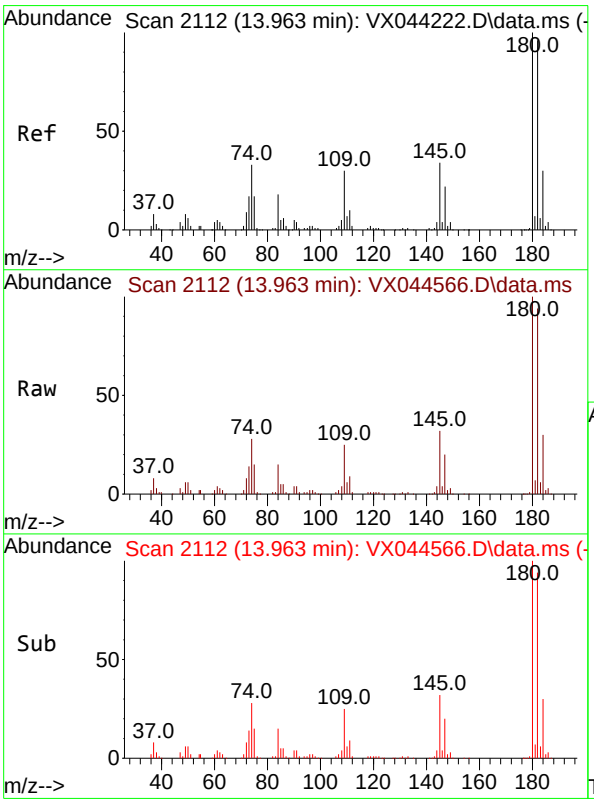

#95
Naphthalene
Concen: 49.679 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 348668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.5 | 15.7 |
| 129 | 10.5 | 9.0 | 13.4 |




#96
1,2,3-Trichlorobenzene
Concen: 54.300 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:180 Resp: 103555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.5 | 48.0 | 144.0 |
| 145 | 31.7 | 17.7 | 53.1 |